369454 2010 NZ_1

2021	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
	h m	° ′			°	m	°	°	°
5 16	5 1.03	+ 7 59.5	1.725	0.908	27.5	21.4	24 E	—	18*
5 21	5 19.07	+ 9 45.1	1.669	0.846	28.7	21.2	24 E	—	18*
5 26	5 38.35	+11 36.4	1.610	0.784	30.3	21.0	23 E	1*	17*
5 31	5 58.98	+13 34.5	1.547	0.722	32.4	20.8	22 E	1*	16*
6 5	6 21.10	+15 40.5	1.480	0.662	35.3	20.6	22 E	2*	16*
6 10	6 44.80	+17 55.8	1.408	0.605	39.3	20.4	22 E	4*	15*
6 15	7 10.06	+20 21.5	1.331	0.555	44.8	20.3	23 E	6*	15*
6 20	7 36.72	+22 58.4	1.249	0.516	52.1	20.2	24 E	9*	14*
6 25	8 4.43	+25 45.6	1.160	0.491	61.0	20.2	25 E	12*	14*
6 27	8 15.70	+26 54.8	1.123	0.487	64.9	20.2	26 E	13*	14*
6 29	8 27.02	+28 4.8	1.086	0.486	68.8	20.2	26 E	15*	13*
7 1	8 38.39	+29 15.2	1.048	0.487	72.8	20.3	27 E	16*	13*
7 3	8 49.78	+30 25.7	1.010	0.493	76.7	20.4	28 E	18*	13*
7 5	9 1.20	+31 35.7	0.973	0.501	80.4	20.4	29 E	19*	13*
7 7	9 12.67	+32 44.8	0.936	0.512	83.8	20.5	30 E	20*	12*
7 9	9 24.23	+33 52.4	0.899	0.525	87.0	20.6	31 E	22*	12*
7 11	9 35.93	+34 58.2	0.863	0.541	89.8	20.7	32 E	23*	12*
7 13	9 47.83	+36 1.6	0.828	0.558	92.2	20.8	33 E	25*	11*
7 15	10 0.00	+37 2.2	0.794	0.578	94.3	20.9	35 E	27*	11*
7 17	10 12.55	+37 59.4	0.761	0.598	96.1	20.9	36 E	28*	11*
7 19	10 25.55	+38 52.7	0.729	0.620	97.5	21.0	37 E	30*	11*
7 21	10 39.10	+39 41.5	0.698	0.643	98.5	21.0	39 E	31*	11*
7 23	10 53.31	+40 24.9	0.668	0.666	99.2	21.0	40 E	33*	11*
7 25	11 8.27	+41 1.9	0.639	0.690	99.6	21.0	42 E	35*	11*
7 27	11 24.06	+41 31.6	0.612	0.714	99.6	21.0	44 E	37*	12*
7 29	11 40.76	+41 52.5	0.586	0.739	99.4	21.0	46 E	39*	12*
7 31	11 58.41	+42 3.1	0.562	0.764	98.8	20.9	48 E	41*	13*
8 2	12 17.03	+42 1.6	0.539	0.789	98.0	20.9	50 E	43*	14*
8 4	12 36.59	+41 46.2	0.517	0.813	96.9	20.8	53 E	45*	16*
8 6	12 57.01	+41 14.9	0.497	0.838	95.4	20.7	55 E	48*	17*
8 8	13 18.12	+40 25.9	0.480	0.863	93.7	20.6	58 E	50*	19*
8 10	13 39.74	+39 17.6	0.464	0.888	91.7	20.5	61 E	53*	21*
8 12	14 1.61	+37 49.0	0.450	0.912	89.5	20.4	64 E	55*	23*
8 14	14 23.47	+35 59.8	0.439	0.937	87.0	20.3	67 E	57*	26*
8 16	14 45.02	+33 50.8	0.431	0.961	84.3	20.2	71 E	59*	29*
8 18	15 6.01	+31 23.6	0.425	0.985	81.4	20.2	74 E	61*	32*
8 20	15 26.23	+28 41.0	0.422	1.008	78.4	20.1	77 E	62*	35*
8 22	15 45.51	+25 46.5	0.422	1.032	75.4	20.0	81 E	62*	38*
8 24	16 3.75	+22 44.3	0.425	1.055	72.4	20.0	84 E	61*	41*
8 26	16 20.91	+19 38.4	0.431	1.078	69.5	20.0	87 E	60*	44*
8 28	16 36.96	+16 32.9	0.440	1.100	66.6	20.0	90 E	59*	47
8 30	16 51.94	+13 31.2	0.451	1.123	64.0	20.0	92 E	57*	50
9 1	17 5.90	+10 36.0	0.465	1.145	61.5	20.0	95 E	54*	53
9 3	17 18.90	+ 7 49.4	0.482	1.167	59.2	20.1	97 E	52*	56
9 5	17 31.02	+ 5 12.8	0.500	1.188	57.1	20.1	98 E	50*	59
9 7	17 42.34	+ 2 46.7	0.521	1.210	55.2	20.2	100 E	48*	61
9 9	17 52.92	+ 0 31.5	0.543	1.231	53.5	20.3	101 E	45*	63
9 11	18 2.83	− 1 33.1	0.567	1.252	52.0	20.4	102 E	43*	66
9 13	18 12.15	− 3 27.3	0.593	1.272	50.6	20.5	102 E	42*	67
9 18	18 33.21	− 7 31.5	0.662	1.322	47.8	20.7	103 E	37	72
9 23	18 51.67	−10 44.9	0.737	1.370	45.6	21.0	103 E	34	75
9 28	19 8.14	−13 17.4	0.817	1.417	43.8	21.2	102 E	32	77
10 3	19 23.08	−15 17.5	0.901	1.462	42.3	21.4	100 E	30	79

138893 2000 YH_{66}

2021	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
	h m	° ′			°	m	°	°	°
5 16	5 20.43	+20 17.2	2.226	1.387	18.5	21.5	26 E	12*	16*
5 26	5 43.63	+19 58.5	2.171	1.285	17.0	21.2	22 E	7*	13*
6 5	6 8.79	+19 25.0	2.093	1.173	15.7	20.9	18 E	3*	11*
6 15	6 36.36	+18 32.4	1.992	1.049	15.0	20.5	15 E	—	9*
6 25	7 6.95	+17 15.6	1.866	0.911	15.3	20.1	14 E	—	8*
6 30	7 23.67	+16 26.1	1.793	0.836	16.1	19.9	13 E	—	7*
7 5	7 41.56	+15 28.0	1.713	0.758	17.6	19.6	13 E	—	7*
7 10	8 0.84	+14 20.9	1.625	0.676	20.0	19.3	13 E	—	7*
7 15	8 21.75	+13 4.4	1.527	0.590	24.0	19.0	14 E	—	7*
7 20	8 44.57	+11 40.6	1.416	0.502	30.6	18.7	15 E	—	8*
7 25	9 9.41	+10 16.6	1.288	0.415	41.7	18.4	16 E	—	10*
7 27	9 19.82	+ 9 47.1	1.231	0.384	48.1	18.3	16 E	—	10*
7 29	9 30.34	+ 9 23.5	1.170	0.355	56.0	18.2	17 E	—	11*
7 31	9 40.75	+ 9 9.5	1.105	0.330	65.7	18.2	17 E	—	11*
8 2	9 50.72	+ 9 10.0	1.037	0.312	77.3	18.3	17 E	—	11*
8 4	9 59.78	+ 9 30.7	0.967	0.302	90.3	18.6	17 E	—	11*
8 6	10 7.43	+10 16.6	0.897	0.302	104.2	19.1	17 E	—	11*
8 8	10 13.29	+11 30.2	0.831	0.311	117.9	19.8	16 E	1*	9*
8 10	10 17.18	+13 11.2	0.770	0.328	130.4	20.9	14 E	2*	8*

447903 2007 XJ_{20}

2021	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
	h m	° ′			°	m	°	°	°
5 16	5 35.82	+28 31.3	1.949	1.187	25.2	21.5	30 E	20*	13*
5 21	5 52.28	+28 44.2	1.914	1.138	25.4	21.4	29 E	19*	13*
5 26	6 9.59	+28 49.8	1.875	1.088	25.8	21.2	28 E	18*	13*
5 31	6 27.76	+28 47.0	1.832	1.039	26.4	21.1	27 E	17*	13*

447903 2007 XJ_{20} *(continuation)*

2021	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
	h m	° ′			°	m	°	°	°
6 5	6 46.81	+28 34.4	1.787	0.990	27.3	21.0	27 E	16*	13*
6 10	7 6.75	+28 10.2	1.738	0.941	28.5	20.8	26 E	15*	13*
6 15	7 27.55	+27 32.8	1.686	0.894	30.0	20.7	26 E	14*	14*
6 20	7 49.18	+26 40.4	1.632	0.849	32.0	20.6	26 E	13*	14*
6 25	8 11.56	+25 31.1	1.575	0.807	34.4	20.4	27 E	13*	15*
6 30	8 34.60	+24 3.1	1.515	0.769	37.3	20.3	27 E	13*	17*
7 5	8 58.21	+22 14.7	1.454	0.735	40.7	20.2	28 E	12*	18*
7 10	9 22.24	+20 4.7	1.391	0.709	44.6	20.2	29 E	12*	20*
7 15	9 46.58	+17 32.5	1.328	0.690	48.9	20.1	31 E	11*	22*
7 20	10 11.10	+14 38.1	1.265	0.680	53.3	20.1	32 E	11*	24*
7 25	10 35.75	+11 22.5	1.203	0.680	57.6	20.1	34 E	11*	27*
7 30	11 0.52	+ 7 47.2	1.145	0.689	61.4	20.2	37 E	10*	30*
8 4	11 25.52	+ 3 54.6	1.092	0.707	64.6	20.2	39 E	10*	32*
8 9	11 50.88	− 0 12.0	1.045	0.732	66.9	20.3	42 E	9*	35*
8 14	12 16.80	− 4 28.4	1.006	0.765	68.2	20.3	45 E	8*	38*
8 19	12 43.45	− 8 49.1	0.976	0.803	68.6	20.4	48 E	8*	42*
8 24	13 10.99	−13 7.5	0.956	0.845	68.0	20.4	51 E	7*	45*
8 29	13 39.49	−17 16.0	0.946	0.890	66.7	20.5	54 E	7*	48*
9 3	14 8.90	−21 7.0	0.946	0.937	64.8	20.5	57 E	6*	51*
9 8	14 39.07	−24 33.6	0.957	0.985	62.5	20.6	60 E	6*	53*
9 13	15 9.67	−27 30.6	0.978	1.034	59.9	20.7	63 E	6*	56*
9 18	15 40.29	−29 54.8	1.008	1.083	57.3	20.8	65 E	6*	58*
9 23	16 10.49	−31 45.7	1.046	1.133	54.7	20.9	67 E	7*	60*
9 28	16 39.82	−33 4.8	1.091	1.182	52.1	21.0	69 E	7*	61*
10 3	17 7.95	−33 55.2	1.143	1.231	49.7	21.1	70 E	7*	63*
10 8	17 34.62	−34 20.8	1.201	1.279	47.4	21.2	70 E	8*	63*
10 13	17 59.69	−34 25.7	1.263	1.326	45.2	21.3	71 E	9*	64*
10 18	18 23.12	−34 13.8	1.330	1.373	43.2	21.5	71 E	9*	64*

478997 2012 XU_{134}

2021	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
	h m	° ′			°	m	°	°	°
5 16	5 41.51	+38 42.6	2.332	1.603	20.9	21.5	34 E	28*	8*
5 26	6 16.57	+39 28.2	2.339	1.581	20.1	21.4	33 E	26*	7*
6 5	6 53.22	+39 39.4	2.346	1.564	19.5	21.4	31 E	24*	7*
6 15	7 30.77	+39 12.8	2.353	1.552	18.8	21.4	30 E	22*	7*
6 25	8 8.41	+38 7.1	2.362	1.545	18.2	21.4	28 E	21*	7*
7 5	8 45.36	+36 23.4	2.375	1.542	17.5	21.3	27 E	20*	7*
7 15	9 21.03	+34 5.1	2.392	1.545	16.8	21.3	26 E	19*	7*
7 25	9 54.99	+31 17.4	2.414	1.552	16.0	21.3	25 E	17*	7*
8 4	10 27.07	+28 6.2	2.442	1.565	15.0	21.3	24 E	16*	7*
8 14	10 57.27	+24 38.2	2.475	1.582	13.9	21.4	22 E	15*	6*
8 24	11 25.70	+20 59.5	2.512	1.604	12.7	21.4	20 E	13*	5*
9 3	11 52.55	+17 15.5	2.554	1.629	11.3	21.4	18 E	12*	4*
9 13	12 18.04	+13 31.0	2.598	1.658	9.9	21.4	16 E	10*	2*
9 23	12 42.35	+ 9 49.9	2.644	1.691	8.5	21.4	14 E	8*	—
10 3	13 5.70	+ 6 15.1	2.689	1.726	7.2	21.5	13 E	6*	—

304293 2006 SQ_{78}

2021	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
	h m	° ′			°	m	°	°	°
5 16	6 31.65	− 0 22.8	1.457	1.090	43.9	21.5	48 E	10*	42*
5 26	7 5.61	+ 1 28.5	1.415	1.033	45.7	21.4	47 E	9*	40*
6 5	7 41.99	+ 3 23.6	1.369	0.976	47.8	21.2	45 E	8*	39*
6 15	8 20.78	+ 5 24.5	1.320	0.921	50.1	21.1	44 E	8*	38*
6 25	9 1.82	+ 7 33.2	1.269	0.871	52.8	21.0	43 E	9*	36*
7 5	9 44.76	+ 9 51.5	1.218	0.828	55.8	20.8	42 E	12*	35*
7 15	10 29.15	+12 18.6	1.166	0.796	58.9	20.8	42 E	15*	33*
7 25	11 14.41	+14 50.8	1.114	0.778	62.0	20.7	43 E	20*	32*
8 4	12 0.11	+17 20.2	1.061	0.776	64.9	20.7	44 E	25*	30*
8 14	12 46.15	+19 34.5	1.008	0.790	67.3	20.7	46 E	30*	29*
8 24	13 32.82	+21 19.9	0.953	0.820	69.1	20.7	49 E	36*	28*
9 3	14 20.81	+22 21.3	0.900	0.860	69.9	20.7	53 E	41*	28*
9 13	15 10.92	+22 24.7	0.851	0.910	69.6	20.7	58 E	47*	29*
9 23	16 3.57	+21 18.8	0.811	0.964	68.2	20.7	63 E	51*	31*
10 3	16 58.35	+18 58.0	0.785	1.020	65.8	20.6	68 E	55*	35*
10 13	17 53.91	+15 30.9	0.780	1.078	62.6	20.6	73 E	56*	39*
10 23	18 48.15	+11 23.6	0.800	1.134	58.9	20.7	77 E	55*	44*
11 2	19 39.10	+ 7 11.8	0.847	1.188	55.3	20.8	80 E	52*	48*
11 12	20 25.61	+ 3 27.5	0.919	1.240	52.0	21.0	81 E	48*	51*
11 22	21 7.38	+ 0 28.5	1.011	1.288	49.1	21.2	80 E	45	52*
12 2	21 44.76	− 1 41.9	1.118	1.333	46.4	21.4	78 E	43	52*

374267 2005 LW

2021	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
	h m	° ′			°	m	°	°	°
5 16	7 4.84	+43 7.0	0.145	0.926	122.3	19.6	51 E	43*	14*
5 17	7 30.00	+43 50.6	0.138	0.938	118.7	19.2	54 E	47*	15*
5 18	7 58.04	+44 14.1	0.132	0.949	114.5	18.8	59 E	51*	17*
5 19	8 28.55	+44 10.3	0.127	0.961	109.9	18.5	63 E	55*	18*
5 20	9 0.73	+43 33.0	0.124	0.973	105.0	18.2	68 E	60*	20*
5 21	9 33.45	+42 18.5	0.121	0.985	99.7	17.9	73 E	64*	22*
5 22	10 5.43	+40 27.4	0.120	0.996	94.3	17.7	79 E	68*	24
5 23	10 35.59	+38 4.6	0.120	1.008	88.8	17.5	84 E	72*	26
5 24	11 3.18	+35 18.1	0.122	1.019	83.4	17.3	90 E	74*	29
5 25	11 27.86	+32 17.5	0.125	1.031	78.3	17.2	95 E	74*	32
5 26	11 49.60	+29 11.9	0.130	1.042	73.5	17.1	99 E	73*	35
5 27	12 8.61	+26 8.4	0.135	1.054	69.0	17.1	104 E	71*	38

374267 2005 *LW* *(continuation)*

2021	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
	h m	° ′			°	m	°	°	°
5 28	12 25.17	+23 12.3	0.142	1.065	65.0	17.1	108 E	68*	41
5 29	12 39.61	+20 26.8	0.149	1.076	61.4	17.1	111 E	65	44
5 30	12 52.23	+17 53.3	0.157	1.088	58.3	17.2	114 E	63	46
5 31	13 3.31	+15 32.4	0.166	1.099	55.4	17.2	117 E	61	48
6 1	13 13.08	+13 23.8	0.176	1.110	53.0	17.3	119 E	58	51
6 2	13 21.75	+11 26.6	0.185	1.121	50.8	17.4	121 E	56	53
6 3	13 29.49	+ 9 40.1	0.196	1.132	48.9	17.5	123 E	55	54
6 4	13 36.43	+ 8 3.1	0.206	1.143	47.2	17.5	124 E	53	56
6 5	13 42.70	+ 6 34.8	0.217	1.154	45.8	17.6	125 E	52	57
6 6	13 48.39	+ 5 14.3	0.228	1.165	44.5	17.7	126 E	50	59
6 7	13 53.58	+ 4 0.5	0.240	1.176	43.4	17.8	127 E	49	60
6 8	13 58.33	+ 2 52.9	0.252	1.187	42.4	17.9	128 E	48	61
6 9	14 2.72	+ 1 50.7	0.264	1.197	41.6	18.0	129 E	47	62
6 10	14 6.78	+ 0 53.3	0.276	1.208	40.8	18.1	129 E	46	63
6 11	14 10.56	+ 0 0.2	0.288	1.218	40.2	18.2	129 E	45	64
6 12	14 14.08	− 0 49.0	0.301	1.229	39.6	18.3	130 E	44	65
6 13	14 17.39	− 1 34.8	0.313	1.240	39.1	18.4	130 E	43	66
6 14	14 20.50	− 2 17.6	0.326	1.250	38.6	18.5	130 E	43	66
6 15	14 23.44	− 2 57.5	0.339	1.260	38.2	18.6	130 E	42	67
6 17	14 28.88	− 4 10.2	0.365	1.281	37.6	18.8	130 E	41	68
6 19	14 33.83	− 5 14.8	0.392	1.301	37.1	18.9	129 E	40	69
6 21	14 38.38	− 6 12.6	0.419	1.321	36.7	19.1	129 E	39	70
6 23	14 42.62	− 7 4.7	0.447	1.341	36.4	19.3	129 E	38	71
6 25	14 46.60	− 7 52.1	0.475	1.361	36.1	19.4	128 E	37	72
6 30	14 55.69	− 9 34.3	0.547	1.409	35.8	19.8	126 E	35*	74
7 5	15 3.96	−10 59.1	0.621	1.455	35.6	20.1	124 E	34*	75
7 10	15 11.73	−12 11.6	0.698	1.501	35.5	20.5	121 E	33*	76
7 15	15 19.23	−13 14.9	0.776	1.544	35.4	20.7	118 E	31*	77
7 20	15 26.58	−14 11.3	0.857	1.587	35.3	21.0	116 E	30*	78
7 25	15 33.87	−15 2.2	0.939	1.628	35.1	21.3	113 E	29*	79
7 30	15 41.13	−15 48.4	1.022	1.668	34.9	21.5	110 E	28*	80

484199 2006 WS_1

5 16	7 12.69	+ 1 51.8	0.688	0.857	80.9	21.5	57 E	19*	48*
5 21	7 16.15	+ 0 42.6	0.658	0.819	85.8	21.5	54 E	14*	47*
5 26	7 18.24	− 0 21.8	0.623	0.782	91.6	21.5	50 E	10*	44*
5 31	7 18.32	− 1 16.1	0.584	0.748	98.4	21.6	47 E	5*	41*
6 5	7 15.62	− 1 51.8	0.543	0.717	106.4	21.7	43 E	—	37*

507013 2008 TP_{165}

5 16	16 18.68	−27 24.9	4.289	5.277	2.6	22.7	166 W	18	89
5 26	16 12.13	−27 23.0	4.270	5.278	1.2	22.5	174 W	18	89
6 5	16 5.57	−27 17.4	4.280	5.278	2.2	22.6	168 E	18	89
6 15	15 59.40	−27 9.1	4.321	5.279	4.0	22.8	158 E	18	89
6 25	15 54.02	−26 59.4	4.389	5.279	5.8	22.9	148 E	18	89

533850 2014 OD_{339}

5 16	16 22.31	−32 12.5	2.297	3.275	5.3	23.9	162 W	13	84
5 21	16 16.90	−32 6.4	2.269	3.262	4.1	23.8	167 W	13	84
5 26	16 11.30	−31 57.1	2.247	3.248	3.4	23.7	169 W	13	84
5 31	16 5.64	−31 44.8	2.233	3.234	3.6	23.7	169 E	13	84
6 5	16 0.03	−31 29.5	2.227	3.219	4.6	23.8	165 E	14	85
6 10	15 54.62	−31 11.8	2.228	3.204	6.0	23.8	161 E	14	85
6 15	15 49.51	−30 52.1	2.236	3.189	7.5	23.9	156 E	14	85

483509 2003 CH_{11}

5 16	16 25.55	+32 43.0	1.988	2.716	17.4	24.1	127 W	78	31
5 21	16 19.31	+32 41.4	2.011	2.739	17.2	24.1	127 W	78	31
5 26	16 13.14	+32 29.5	2.038	2.762	17.2	24.2	126 W	77	32
5 31	16 7.17	+32 7.8	2.069	2.785	17.2	24.2	126 E	77	32
6 5	16 1.52	+31 36.8	2.105	2.807	17.3	24.3	125 E	77	32
6 10	15 56.31	+30 57.3	2.145	2.829	17.5	24.3	123 E	76	33
6 15	15 51.63	+30 10.1	2.189	2.851	17.7	24.4	121 E	75	34

509102 2005 VB_7

5 16	16 29.60	−20 20.0	1.263	2.258	6.2	22.4	166 W	25	84
5 21	16 22.00	−18 51.0	1.263	2.270	3.3	22.2	173 W	26	83
5 26	16 14.41	−17 21.7	1.270	2.281	1.7	22.1	176 W	28	81
5 31	16 7.06	−15 54.1	1.285	2.293	3.6	22.3	172 E	29	80
6 5	16 0.13	−14 30.0	1.307	2.303	6.4	22.5	165 E	31	78
6 10	15 53.78	−13 10.9	1.337	2.314	9.1	22.7	159 E	32	77
6 15	15 48.16	−11 58.1	1.374	2.323	11.6	22.8	153 E	33	76

178601 2000 CG_{59}

5 16	16 31.68	−25 24.2	2.672	3.656	4.2	22.9	165 W	20	89
5 26	16 21.92	−25 10.2	2.637	3.647	1.3	22.7	175 W	20	89
6 5	16 11.94	−24 51.0	2.632	3.637	2.6	22.8	171 E	20	89
6 15	16 2.52	−24 28.3	2.658	3.626	5.7	23.0	159 E	21	88
6 25	15 54.35	−24 4.7	2.712	3.614	8.6	23.1	148 E	21	88

515335 2013 AW_{60}

2021	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
	h m	° ′			°	m	°	°	°
5 16	16 33.99	+20 35.0	1.683	2.523	15.7	22.8	137 W	66	43
5 21	16 27.68	+20 49.7	1.672	2.517	15.6	22.8	138 W	66	43
5 26	16 21.14	+20 54.5	1.666	2.511	15.7	22.8	138 W	66	43
5 31	16 14.53	+20 49.3	1.665	2.504	16.0	22.8	137 E	66	43
6 5	16 8.02	+20 33.7	1.669	2.497	16.5	22.8	136 E	66	43
6 10	16 1.76	+20 8.1	1.679	2.490	17.2	22.8	134 E	65	44
6 15	15 55.90	+19 33.0	1.694	2.482	18.0	22.9	131 E	65	44

523779 2015 AX_{16}

5 16	16 36.35	−10 27.4	2.521	3.496	5.1	23.2	162 W	35	74
5 26	16 27.04	− 9 51.1	2.471	3.468	3.4	23.0	168 W	35	74
6 5	16 17.33	− 9 20.4	2.450	3.439	4.5	23.0	164 E	36	73
6 15	16 7.96	− 8 57.5	2.460	3.408	7.2	23.1	155 E	36	73
6 25	15 59.65	− 8 44.2	2.496	3.376	10.1	23.3	145 E	36	73

413123 2001 XS_1

5 16	16 36.36	−26 55.9	3.159	4.137	4.1	25.0	163 W	18	89
5 26	16 27.47	−26 29.3	3.134	4.142	1.6	24.8	173 W	19	90
6 5	16 18.46	−25 57.7	3.140	4.146	2.0	24.8	172 E	19	90
6 15	16 9.94	−25 22.7	3.176	4.150	4.6	25.0	161 E	20	89
6 25	16 2.49	−24 47.0	3.242	4.152	7.1	25.2	150 E	20	89

533722 2014 NE_{52}

5 16	16 38.68	−23 16.5	1.997	2.980	5.5	22.3	164 W	22	87
5 26	16 26.46	−23 0.9	1.914	2.925	1.4	21.9	176 W	22	87
6 5	16 13.19	−22 38.6	1.862	2.868	3.1	22.0	171 E	22	87
6 15	16 0.02	−22 11.4	1.839	2.809	7.6	22.1	159 E	23	86
6 25	15 48.16	−21 42.7	1.845	2.748	11.9	22.2	146 E	23	86

322705 2000 DK_8

5 16	16 41.21	−11 54.2	2.880	3.853	4.7	24.9	162 W	33	76
5 26	16 31.64	−11 40.6	2.884	3.884	2.8	24.8	169 W	33	76
6 5	16 22.01	−11 31.5	2.919	3.914	3.4	24.9	167 E	33	76
6 15	16 12.98	−11 27.8	2.984	3.942	5.6	25.1	158 E	34	75
6 25	16 5.09	−11 30.1	3.079	3.970	8.0	25.3	147 E	33	76

443854 2001 RM_{51}

5 16	16 41.44	−31 37.5	2.115	3.084	6.5	22.7	160 W	13	84
5 21	16 35.95	−31 35.5	2.088	3.075	5.0	22.6	165 W	13	84
5 26	16 30.18	−31 30.5	2.067	3.067	3.7	22.5	169 W	13	84
5 31	16 24.26	−31 22.3	2.054	3.058	3.2	22.4	170 E	14	85
6 5	16 18.33	−31 11.0	2.048	3.049	3.8	22.4	169 E	14	85
6 10	16 12.52	−30 57.0	2.049	3.039	5.1	22.5	164 E	14	85
6 15	16 6.99	−30 40.7	2.057	3.029	6.8	22.6	159 E	14	85

391275 2006 SJ_{134}

5 16	16 46.53	+12 8.1	2.324	3.195	10.8	22.9	144 W	57	52
5 26	16 36.47	+12 26.1	2.318	3.207	10.2	22.9	146 W	57	52
6 5	16 26.17	+12 20.1	2.337	3.218	10.5	22.9	145 E	57	52
6 15	16 16.45	+11 50.1	2.381	3.227	11.6	23.0	140 E	57	52
6 25	16 8.01	+10 58.3	2.448	3.235	13.1	23.2	134 E	56	53

405587 2005 SY_{14}

5 16	16 47.54	−17 12.0	2.558	3.533	5.2	22.8	162 W	28	81
5 26	16 38.93	−16 45.0	2.547	3.553	2.2	22.6	172 W	28	81
6 5	16 30.09	−16 19.7	2.565	3.572	2.3	22.7	172 E	29	80
6 15	16 21.72	−15 57.7	2.613	3.591	5.1	22.9	162 E	29	80
6 25	16 14.47	−15 40.7	2.688	3.609	7.9	23.1	151 E	29	80

16064 Davidharvey

5 16	16 48.00	−28 14.8	3.456	4.420	4.5	23.0	160 W	17	88
5 26	16 39.54	−28 3.3	3.431	4.433	2.2	22.9	170 W	17	88
6 5	16 30.84	−27 46.5	3.437	4.445	1.6	22.8	173 E	17	88
6 15	16 22.45	−27 25.3	3.473	4.457	3.7	23.0	164 E	18	89
6 25	16 14.95	−27 1.7	3.540	4.467	6.0	23.2	153 E	18	89

179806 2002 TD_{66}

5 16	16 49.20	−30 53.9	1.388	2.359	9.0	23.4	159 W	14	85
5 21	16 41.07	−30 43.9	1.391	2.382	6.5	23.3	164 W	14	85
5 26	16 32.79	−30 29.3	1.401	2.404	4.5	23.2	169 W	15	86
5 31	16 24.60	−30 10.5	1.418	2.425	3.5	23.2	172 E	15	86
6 5	16 16.73	−29 48.0	1.442	2.446	4.4	23.3	169 E	15	86
6 10	16 9.38	−29 22.9	1.473	2.466	6.3	23.5	164 E	16	87
6 15	16 2.71	−28 56.2	1.511	2.486	8.4	23.7	159 E	16	87

455426 2003 MT_9

5 16	16 50.66	−20 1.3	3.752	4.720	4.0	25.2	161 W	25	84
5 26	16 41.41	−19 40.9	3.732	4.738	1.6	25.0	173 W	25	84
6 5	16 31.95	−19 19.4	3.745	4.755	1.2	25.0	174 E	26	83
6 15	16 22.82	−18 57.9	3.790	4.771	3.6	25.2	163 E	26	83
6 25	16 14.51	−18 37.9	3.867	4.785	5.8	25.4	152 E	26	83

169352 2001 UY_{16}

2021	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
	h m	° ′			°	m	°	°	°
5 16	16 52.46	−52 54.2	2.285	3.149	11.2	24.2	143 W	—	63
5 21	16 43.70	−53 23.8	2.267	3.152	10.6	24.1	145 W	—	63
5 26	16 34.40	−53 45.6	2.257	3.155	10.1	24.1	147 W	—	62
5 31	16 24.79	−53 59.1	2.252	3.157	9.8	24.1	148 E	—	62
6 5	16 15.13	−54 4.1	2.255	3.159	9.9	24.1	148 E	—	62
6 10	16 5.69	−54 0.7	2.264	3.161	10.2	24.1	147 E	—	62
6 15	15 56.71	−53 49.7	2.280	3.162	10.8	24.2	144 E	—	62

533671 2014 LJ_{21}

5 16	16 58.04	+ 2 35.4	4.538	5.434	5.4	23.5	150 W	48	61
5 26	16 50.92	+ 2 55.9	4.513	5.442	4.7	23.5	154 W	48	61
6 5	16 43.53	+ 3 7.6	4.517	5.449	4.6	23.5	154 E	48	61
6 15	16 36.24	+ 3 9.6	4.551	5.456	5.3	23.5	150 E	48	61
6 25	16 29.43	+ 3 2.0	4.613	5.461	6.4	23.6	143 E	48	61

524974 2004 PX_{27}

5 16	16 59.92	−57 35.7	1.620	2.466	15.9	22.3	138 W	—	58
5 21	16 51.48	−58 4.4	1.573	2.440	15.3	22.2	140 W	—	58
5 26	16 41.90	−58 23.5	1.532	2.414	14.9	22.1	142 W	—	58
5 31	16 31.45	−58 31.4	1.496	2.388	14.7	22.0	143 W	—	57
6 5	16 20.50	−58 27.0	1.466	2.361	14.8	21.9	144 E	—	58
6 10	16 9.49	−58 9.6	1.441	2.334	15.2	21.9	143 E	—	58
6 15	15 58.88	−57 39.5	1.421	2.306	15.9	21.8	142 E	—	58
6 20	15 49.09	−56 57.5	1.407	2.278	16.8	21.8	140 E	—	59
6 25	15 40.47	−56 5.2	1.398	2.250	18.0	21.8	137 E	—	60
6 30	15 33.24	−55 4.5	1.393	2.221	19.3	21.8	134 E	—	61

288783 2004 RL_{108}

5 16	17 0.00	−35 48.5	1.856	2.801	9.0	22.3	154 W	9	80
5 21	16 54.71	−35 48.1	1.824	2.792	7.5	22.2	159 W	9	80
5 26	16 48.98	−35 43.4	1.798	2.783	6.1	22.1	163 W	9	80
5 31	16 42.96	−35 34.3	1.778	2.773	5.1	22.0	166 W	9	80
6 5	16 36.81	−35 20.7	1.766	2.763	4.8	22.0	167 E	10	81
6 10	16 30.69	−35 2.8	1.760	2.753	5.5	22.0	165 E	10	81
6 15	16 24.78	−34 41.1	1.762	2.743	6.8	22.0	161 E	10	81
6 20	16 19.26	−34 16.2	1.770	2.733	8.5	22.1	157 E	11	82
6 25	16 14.25	−33 49.0	1.784	2.722	10.2	22.2	152 E	11	82
6 30	16 9.86	−33 20.1	1.804	2.711	11.9	22.3	147 E	12	83

250620 2005 GE_{59}

5 16	17 1.76	− 4 16.9	2.394	3.329	7.8	23.1	153 W	41	68
5 26	16 51.79	− 3 30.2	2.371	3.340	6.0	23.0	160 W	41	68
6 5	16 41.32	− 2 55.0	2.378	3.350	5.9	23.0	160 E	42	67
6 15	16 31.15	− 2 33.3	2.414	3.359	7.5	23.1	154 E	42	67
6 25	16 22.03	− 2 26.1	2.478	3.366	9.8	23.2	146 E	43	66

338049 2002 NY_{31}

5 16	17 1.95	+25 25.9	2.512	3.259	13.7	22.6	130 W	70	39
5 21	16 56.69	+25 39.7	2.488	3.248	13.5	22.5	132 W	71	38
5 26	16 51.14	+25 46.1	2.469	3.237	13.4	22.5	132 W	71	38
5 31	16 45.39	+25 44.7	2.455	3.225	13.5	22.5	132 W	71	38
6 5	16 39.56	+25 35.2	2.447	3.213	13.6	22.5	132 E	71	38
6 10	16 33.75	+25 17.6	2.444	3.201	13.9	22.5	131 E	70	39
6 15	16 28.09	+24 51.8	2.446	3.189	14.3	22.5	129 E	70	39
6 20	16 22.68	+24 18.3	2.454	3.176	14.7	22.5	127 E	69	40

309273 2007 RD_{128}

5 16	17 2.09	−17 55.2	2.371	3.331	6.4	23.0	158 W	27	82
5 26	16 53.04	−17 35.9	2.342	3.343	3.2	22.8	169 W	27	82
6 5	16 43.42	−17 17.4	2.342	3.353	1.7	22.7	174 E	28	81
6 15	16 34.04	−17 1.1	2.372	3.363	4.5	22.9	165 E	28	81
6 25	16 25.68	−16 48.7	2.431	3.372	7.7	23.1	154 E	28	81

524516 2002 UN

5 16	17 2.58	−44 44.2	3.933	4.820	6.4	24.0	148 W	—	71
5 21	16 57.85	−44 55.8	3.903	4.817	5.7	23.9	152 W	—	71
5 26	16 52.87	−45 4.3	3.881	4.815	5.2	23.9	154 W	—	71
5 31	16 47.72	−45 9.6	3.865	4.812	4.8	23.9	156 W	—	71
6 5	16 42.49	−45 11.5	3.857	4.809	4.7	23.8	157 E	—	71
6 10	16 37.26	−45 10.1	3.856	4.805	4.8	23.8	157 E	—	71
6 15	16 32.14	−45 5.5	3.863	4.802	5.1	23.9	155 E	—	71
6 20	16 27.20	−44 57.9	3.876	4.798	5.7	23.9	152 E	—	71

402103 2003 WM_{109}

5 16	17 5.16	−25 15.1	2.110	3.068	7.3	22.7	157 W	20	89
5 26	16 55.77	−24 51.9	2.051	3.052	3.6	22.4	169 W	20	89
6 5	16 45.41	−24 22.5	2.021	3.035	0.8	22.2	178 E	21	88
6 15	16 35.05	−23 48.4	2.019	3.017	4.4	22.4	167 E	21	88
6 25	16 25.69	−23 12.5	2.045	2.998	8.2	22.6	155 E	22	87

385202 1999 RJ_{246}

5 16	17 5.71	−14 24.3	2.285	3.239	7.0	22.5	157 W	31	78
5 26	16 57.39	−14 7.4	2.212	3.207	4.1	22.2	167 W	31	78
6 5	16 48.07	−13 54.0	2.167	3.174	2.8	22.1	171 E	31	78
6 15	16 38.53	−13 45.4	2.151	3.140	5.1	22.2	164 E	31	78
6 25	16 29.65	−13 43.0	2.163	3.105	8.4	22.3	153 E	31	78

441525 2008 SK_{220}

5 16	17 7.14	−15 18.0	3.601	4.547	5.0	21.8	157 W	30	79
5 26	17 1.28	−14 56.8	3.544	4.536	3.0	21.6	167 W	30	79
6 5	16 54.90	−14 37.6	3.517	4.524	1.8	21.5	172 W	30	79
6 15	16 48.47	−14 21.3	3.519	4.512	3.1	21.6	166 E	31	78
6 25	16 42.45	−14 9.0	3.550	4.499	5.2	21.7	156 E	31	78
7 5	16 37.26	−14 1.3	3.608	4.487	7.3	21.9	146 E	31	78

523610 2005 TG

5 16	17 7.25	−17 35.8	3.078	4.028	5.6	24.0	157 W	27	82
5 26	16 59.25	−17 7.4	3.019	4.016	3.0	23.8	168 W	28	81
6 5	16 50.62	−16 39.2	2.991	4.002	1.5	23.7	174 E	28	81
6 15	16 41.97	−16 12.8	2.994	3.987	3.5	23.8	166 E	29	80
6 25	16 33.90	−15 49.6	3.026	3.971	6.2	24.0	155 E	29	80

513572 2010 VX_{39}

5 16	17 7.47	−19 55.9	1.430	2.394	9.4	22.4	157 W	25	84
5 21	17 0.64	−20 4.9	1.419	2.407	6.8	22.3	164 W	25	84
5 26	16 53.41	−20 13.2	1.414	2.418	4.2	22.1	170 W	25	84
5 31	16 45.95	−20 20.7	1.417	2.429	1.6	22.0	176 W	25	84
6 5	16 38.48	−20 27.4	1.426	2.440	1.5	22.0	176 E	25	84
6 10	16 31.19	−20 33.4	1.444	2.450	4.1	22.2	170 E	24	85
6 15	16 24.28	−20 38.9	1.468	2.460	6.6	22.4	164 E	24	85
6 20	16 17.92	−20 44.1	1.499	2.469	9.0	22.5	158 E	24	85

450356 2004 VB_{80}

5 16	17 12.06	−25 47.2	2.070	3.020	7.9	22.6	156 W	19	90
5 21	17 7.32	−25 36.4	2.052	3.029	6.1	22.5	162 W	19	90
5 26	17 2.26	−25 23.9	2.041	3.038	4.2	22.4	167 W	20	89
5 31	16 57.01	−25 9.9	2.037	3.046	2.2	22.3	173 W	20	89
6 5	16 51.68	−24 54.5	2.040	3.054	0.8	22.2	178 E	20	89
6 10	16 46.41	−24 38.0	2.051	3.062	2.0	22.3	174 E	20	89
6 15	16 41.33	−24 20.8	2.068	3.070	3.9	22.5	168 E	21	88
6 20	16 36.54	−24 3.3	2.093	3.077	5.8	22.6	162 E	21	88

193178 2000 PK_5

5 16	17 12.56	−15 13.4	2.167	3.115	7.8	22.3	155 W	30	79
5 26	17 1.08	−14 27.1	2.094	3.088	4.4	22.0	166 W	31	78
6 5	16 48.40	−13 41.4	2.052	3.058	2.9	21.9	171 E	31	78
6 15	16 35.49	−12 59.1	2.041	3.027	5.7	22.0	163 E	32	77
6 25	16 23.44	−12 23.4	2.060	2.993	9.4	22.2	151 E	33	76

189263 2005 CA

5 16	17 13.04	− 5 44.1	2.832	3.753	7.3	21.4	152 W	39	70
5 26	17 5.14	− 4 58.7	2.754	3.718	5.5	21.2	159 W	40	69
6 5	16 56.37	− 4 20.7	2.705	3.682	4.9	21.1	162 W	41	68
6 15	16 47.33	− 3 52.6	2.685	3.645	6.1	21.1	158 E	41	68
6 25	16 38.71	− 3 36.0	2.694	3.607	8.2	21.2	150 E	41	68
7 5	16 31.11	− 3 31.5	2.729	3.568	10.6	21.3	140 E	41	68
7 15	16 25.01	− 3 38.7	2.785	3.527	12.7	21.4	130 E	41	68

208115 2000 CT_{101}

5 16	17 14.09	+23 41.7	0.920	1.754	26.0	22.9	130 W	69	40
5 21	17 5.72	+24 11.9	0.910	1.756	25.3	22.9	132 W	69	40
5 26	16 56.65	+24 25.8	0.903	1.759	24.8	22.9	133 W	69	40
5 31	16 47.19	+24 22.1	0.900	1.760	24.7	22.8	134 W	69	40
6 5	16 37.63	+24 0.2	0.902	1.760	24.8	22.8	133 E	69	40
6 10	16 28.30	+23 20.4	0.907	1.760	25.2	22.9	132 E	68	41
6 15	16 19.51	+22 23.6	0.917	1.758	25.9	22.9	131 E	67	42
6 20	16 11.52	+21 11.6	0.930	1.756	26.8	23.0	129 E	66	43

442939 2013 CO_{74}

5 16	17 14.59	+ 9 17.4	2.074	2.936	12.3	22.2	142 W	54	55
5 21	17 10.43	+ 9 39.6	2.051	2.934	11.6	22.1	144 W	55	54
5 26	17 5.93	+ 9 56.2	2.035	2.931	11.1	22.1	146 W	55	54
5 31	17 1.19	+10 6.9	2.025	2.929	10.8	22.0	147 W	55	54
6 5	16 56.31	+10 11.3	2.020	2.926	10.8	22.0	147 W	55	54
6 10	16 51.40	+10 9.1	2.022	2.922	11.1	22.0	146 E	55	54
6 15	16 46.59	+10 0.2	2.029	2.919	11.6	22.1	145 E	55	54
6 20	16 41.98	+ 9 44.8	2.043	2.915	12.3	22.1	142 E	55	54
6 25	16 37.68	+ 9 23.3	2.062	2.911	13.1	22.2	140 E	54	55
6 30	16 33.76	+ 8 56.2	2.087	2.907	14.0	22.2	136 E	54	55
7 5	16 30.29	+ 8 23.9	2.116	2.903	14.9	22.3	133 E	53	56

2021	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
	h m	° ′			°	m	°	°	°
541093 2018 RJ_4									
5 16	17 15.95	+11 35.5	2.036	2.884	13.1	22.1	140 W	57	52
5 21	17 12.07	+12 9.4	2.005	2.871	12.5	22.0	142 W	57	52
5 26	17 7.79	+12 37.9	1.979	2.858	12.2	22.0	144 W	58	51
5 31	17 3.22	+13 0.1	1.960	2.845	12.0	22.0	144 W	58	51
6 5	16 58.44	+13 15.5	1.946	2.832	12.1	21.9	144 W	58	51
6 10	16 53.58	+13 23.6	1.938	2.818	12.4	21.9	143 E	58	51
6 15	16 48.75	+13 24.2	1.935	2.804	13.0	21.9	142 E	58	51
6 20	16 44.07	+13 17.3	1.938	2.790	13.7	22.0	139 E	58	51
6 25	16 39.65	+13 3.0	1.947	2.776	14.5	22.0	137 E	58	51
6 30	16 35.60	+12 41.8	1.960	2.761	15.4	22.0	134 E	58	51
7 5	16 31.99	+12 14.2	1.978	2.747	16.4	22.1	130 E	57	52
467372 2004 LG									
5 16	17 15.98	−34 27.6	2.799	3.722	7.3	23.6	152 W	11	82
5 21	17 8.85	−34 11.8	2.752	3.709	5.9	23.5	158 W	11	82
5 26	17 1.32	−33 51.9	2.714	3.695	4.6	23.4	163 W	11	82
5 31	16 53.53	−33 27.9	2.684	3.680	3.4	23.3	167 W	12	83
6 5	16 45.59	−32 59.7	2.663	3.665	2.9	23.2	169 E	12	83
6 10	16 37.66	−32 27.5	2.651	3.650	3.4	23.3	168 E	13	84
6 15	16 29.89	−31 52.0	2.648	3.634	4.5	23.3	164 E	13	84
6 20	16 22.41	−31 13.5	2.654	3.618	6.0	23.4	158 E	14	85
440289 2004 RY_{217}									
5 16	17 19.98	−51 29.4	2.330	3.181	11.5	21.9	141 W	—	65
5 21	17 13.57	−51 45.2	2.309	3.188	10.6	21.8	144 W	—	64
5 26	17 6.63	−51 54.9	2.294	3.194	9.9	21.8	147 W	—	64
5 31	16 59.33	−51 57.9	2.286	3.201	9.3	21.7	149 W	—	64
6 5	16 51.87	−51 54.0	2.284	3.207	8.9	21.7	151 W	—	64
6 10	16 44.45	−51 43.2	2.288	3.212	8.9	21.7	151 E	—	64
6 15	16 37.28	−51 25.8	2.299	3.218	9.1	21.8	150 E	—	65
6 20	16 30.55	−51 2.4	2.316	3.223	9.6	21.8	148 E	—	65
6 25	16 24.41	−50 33.9	2.339	3.228	10.3	21.8	145 E	—	65
6 30	16 18.98	−50 1.3	2.369	3.233	11.1	21.9	142 E	—	66
7 5	16 14.33	−49 25.4	2.404	3.238	12.0	22.0	139 E	—	67
511064 2013 TH_5									
5 16	17 20.28	−36 25.0	1.779	2.704	10.7	21.7	150 W	9	80
5 21	17 14.67	−36 4.7	1.719	2.674	9.0	21.5	156 W	9	80
5 26	17 8.37	−35 38.5	1.666	2.644	7.3	21.3	161 W	9	80
5 31	17 1.49	−35 5.9	1.620	2.613	5.7	21.2	165 W	10	81
6 5	16 54.19	−34 26.7	1.581	2.582	4.7	21.1	168 W	11	82
6 10	16 46.68	−33 40.9	1.549	2.551	4.8	21.0	168 E	11	82
6 15	16 39.15	−32 48.8	1.525	2.519	6.1	21.0	165 E	12	83
6 20	16 31.83	−31 51.4	1.508	2.487	8.0	21.0	160 E	13	84
6 25	16 24.93	−30 49.6	1.498	2.454	10.3	21.1	155 E	14	85
6 30	16 18.61	−29 44.9	1.494	2.422	12.6	21.1	149 E	15	86
7 5	16 13.02	−28 38.6	1.497	2.388	14.9	21.2	143 E	16	87
7 10	16 8.26	−27 32.1	1.505	2.355	17.1	21.3	137 E	17	88
7 15	16 4.42	−26 26.7	1.518	2.321	19.1	21.3	132 E	19	90
7 20	16 1.54	−25 23.5	1.536	2.286	21.1	21.4	126 E	20*	89
7 25	15 59.62	−24 23.4	1.557	2.252	22.8	21.4	121 E	20*	88
7 30	15 58.66	−23 26.9	1.581	2.217	24.4	21.5	116 E	21*	87
541958 2012 FL									
5 16	17 20.61	+ 5 11.2	2.032	2.909	11.9	21.8	144 W	50	59
5 21	17 16.40	+ 5 57.9	2.028	2.925	11.0	21.8	146 W	51	58
5 26	17 11.91	+ 6 39.5	2.030	2.942	10.4	21.7	148 W	52	57
5 31	17 7.24	+ 7 15.4	2.039	2.958	10.0	21.7	150 W	52	57
6 5	17 2.49	+ 7 45.1	2.054	2.974	9.9	21.8	150 W	53	56
6 10	16 57.79	+ 8 8.2	2.076	2.990	10.2	21.8	149 E	53	56
6 15	16 53.23	+ 8 24.9	2.104	3.006	10.7	21.9	147 E	53	56
6 20	16 48.92	+ 8 35.0	2.138	3.021	11.3	22.0	144 E	54	55
6 25	16 44.95	+ 8 38.9	2.177	3.037	12.1	22.0	141 E	54	55
6 30	16 41.38	+ 8 37.0	2.222	3.052	13.0	22.1	138 E	54	55
7 5	16 38.26	+ 8 29.8	2.272	3.066	13.8	22.2	134 E	53	56
496901 2001 HB									
5 16	17 21.58	−10 2.9	1.267	2.210	12.5	23.4	152 W	35	74
5 21	17 12.85	− 9 29.2	1.246	2.215	10.1	23.3	158 W	36	73
5 26	17 3.52	− 8 57.1	1.232	2.219	7.9	23.1	162 W	36	73
5 31	16 53.79	− 8 27.6	1.226	2.222	6.5	23.1	166 W	37	72
6 5	16 43.94	− 8 1.2	1.228	2.224	6.6	23.1	165 E	37	72
6 10	16 34.23	− 7 38.6	1.237	2.225	8.0	23.2	162 E	37	72
6 15	16 24.92	− 7 20.6	1.254	2.225	10.2	23.3	157 E	38	71
6 20	16 16.24	− 7 7.4	1.278	2.224	12.6	23.4	151 E	38	71
31210 1998 BX_7									
5 16	17 23.79	−11 52.8	2.813	3.736	7.3	21.9	152 W	33	76
5 26	17 16.03	−11 34.5	2.741	3.717	4.9	21.8	162 W	33	76
6 5	17 7.31	−11 20.7	2.697	3.697	3.2	21.6	168 W	34	75
6 15	16 58.25	−11 12.6	2.684	3.675	4.0	21.6	165 E	34	75

2021	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
	h m	° ′			°	m	°	°	°
31210 1998 BX_7 *(continuation)*									
6 25	16 49.55	−11 11.0	2.699	3.653	6.4	21.8	156 E	34	75
7 5	16 41.82	−11 16.5	2.742	3.630	9.0	21.9	146 E	34	75
524120 2000 SR_{94}									
5 16	17 26.49	−34 13.7	1.716	2.642	11.0	21.9	150 W	11	82
5 21	17 21.96	−34 21.6	1.675	2.629	9.2	21.7	155 W	11	82
5 26	17 16.80	−34 26.2	1.639	2.616	7.5	21.6	160 W	11	82
5 31	17 11.12	−34 27.1	1.610	2.602	5.9	21.5	165 W	11	82
6 5	17 5.06	−34 23.9	1.588	2.588	4.8	21.4	168 W	11	82
6 10	16 58.80	−34 16.4	1.572	2.574	4.6	21.3	168 E	11	82
6 15	16 52.53	−34 4.7	1.563	2.560	5.5	21.4	166 E	11	82
6 20	16 46.44	−33 49.1	1.560	2.546	7.1	21.4	162 E	11	82
6 25	16 40.72	−33 30.1	1.564	2.532	9.0	21.5	157 E	11	82
6 30	16 35.51	−33 8.4	1.575	2.517	11.0	21.6	152 E	12	83
7 5	16 30.96	−32 44.9	1.590	2.502	12.9	21.7	147 E	12	83
378610 2008 FT_6									
5 16	17 28.51	−33 54.3	2.005	2.924	10.0	21.8	150 W	11	82
5 21	17 22.87	−34 12.7	1.983	2.933	8.3	21.7	155 W	11	82
5 26	17 16.72	−34 27.9	1.968	2.942	6.7	21.6	160 W	11	82
5 31	17 10.22	−34 39.5	1.960	2.950	5.2	21.5	165 W	10	81
6 5	17 3.50	−34 47.3	1.960	2.958	4.3	21.5	167 W	10	81
6 10	16 56.73	−34 51.1	1.966	2.966	4.2	21.5	168 E	10	81
6 15	16 50.10	−34 51.0	1.980	2.973	5.0	21.6	165 E	10	81
6 20	16 43.75	−34 47.3	2.001	2.980	6.4	21.7	161 E	10	81
6 25	16 37.83	−34 40.6	2.029	2.987	7.9	21.8	156 E	10	81
6 30	16 32.46	−34 31.5	2.064	2.993	9.5	21.9	151 E	10	81
7 5	16 27.72	−34 20.5	2.105	2.999	11.0	22.0	146 E	11	82
338293 2002 UZ_{35}									
5 16	17 29.08	−34 4.7	1.967	2.885	10.2	22.4	150 W	11	82
5 21	17 23.91	−34 13.7	1.945	2.894	8.5	22.3	155 W	11	82
5 26	17 18.27	−34 19.5	1.930	2.903	6.8	22.3	160 W	11	82
5 31	17 12.27	−34 21.8	1.921	2.911	5.3	22.2	165 W	11	82
6 5	17 6.07	−34 20.5	1.919	2.919	4.2	22.1	168 W	11	82
6 10	16 59.84	−34 15.4	1.925	2.926	4.0	22.1	168 E	11	82
6 15	16 53.72	−34 6.8	1.937	2.934	4.7	22.2	166 E	11	82
6 20	16 47.89	−33 55.2	1.957	2.941	6.1	22.3	162 E	11	82
6 25	16 42.47	−33 40.9	1.983	2.947	7.6	22.4	157 E	11	82
6 30	16 37.58	−33 24.7	2.016	2.954	9.2	22.5	152 E	12	83
455224 2001 RW_{47}									
5 16	17 33.17	−18 45.2	1.892	2.820	10.0	21.9	151 W	26	83
5 26	17 24.19	−18 42.9	1.805	2.788	6.2	21.6	163 W	26	83
6 5	17 13.34	−18 41.3	1.745	2.755	2.3	21.3	174 W	26	83
6 15	17 1.56	−18 40.8	1.712	2.721	3.2	21.3	171 E	26	83
6 25	16 50.02	−18 42.1	1.709	2.685	7.5	21.5	160 E	26	83
7 5	16 39.86	−18 46.5	1.731	2.648	11.7	21.6	148 E	26	83
401840 1999 UH_{56}									
5 16	17 33.56	−21 19.0	1.644	2.576	10.9	21.7	151 W	24	85
5 26	17 25.54	−21 4.2	1.560	2.544	6.8	21.4	163 W	24	85
6 5	17 15.47	−20 47.2	1.500	2.512	2.3	21.0	174 W	24	85
6 15	17 4.36	−20 28.6	1.467	2.478	3.0	21.0	173 E	25	84
6 25	16 53.54	−20 10.2	1.461	2.445	7.8	21.2	161 E	25	84
7 5	16 44.23	−19 54.4	1.480	2.410	12.5	21.4	149 E	25	84
242643 2005 NZ_6									
5 16	17 35.75	−30 33.6	2.054	2.970	9.9	22.0	150 W	14	85
5 21	17 27.93	−30 38.6	2.041	2.993	8.0	21.9	156 W	14	85
5 26	17 19.69	−30 40.2	2.037	3.016	6.0	21.8	162 W	14	85
5 31	17 11.19	−30 38.1	2.040	3.038	4.1	21.7	167 W	14	85
6 5	17 2.62	−30 32.3	2.052	3.059	2.8	21.7	172 W	14	85
6 10	16 54.16	−30 22.8	2.072	3.080	2.8	21.7	172 E	15	86
6 15	16 45.99	−30 10.2	2.100	3.099	4.1	21.8	167 E	15	86
6 20	16 38.27	−29 55.0	2.137	3.119	5.8	22.0	162 E	15	86
6 25	16 31.13	−29 37.8	2.181	3.137	7.6	22.1	156 E	15	86
6 30	16 24.66	−29 19.5	2.233	3.155	9.2	22.3	150 E	16	87
7 5	16 18.93	−29 0.6	2.291	3.173	10.8	22.4	144 E	16	87
371973 2008 GE_1									
5 16	17 39.10	−12 41.7	1.114	2.046	14.9	22.2	149 W	32	77
5 26	17 27.52	−12 27.4	1.071	2.052	9.8	22.0	160 W	33	76
6 5	17 13.56	−12 23.1	1.052	2.057	5.6	21.7	169 W	33	76
6 15	16 58.90	−12 30.4	1.058	2.060	6.6	21.8	166 E	32	77
6 25	16 45.49	−12 50.0	1.089	2.061	11.4	22.1	156 E	32	77
7 5	16 34.81	−13 21.0	1.142	2.060	16.4	22.3	145 E	32	77

369993 1999 RO_{37}

2021	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
	h m	° ′			°	m	°	°	°
5 16	17 39.36	+ 6 4.1	1.713	2.568	14.8	21.5	140 W	51	58
5 21	17 35.19	+ 6 29.4	1.679	2.561	13.7	21.5	143 W	51	58
5 26	17 30.48	+ 6 49.3	1.652	2.555	12.8	21.4	146 W	52	57
5 31	17 25.31	+ 7 3.1	1.629	2.548	12.1	21.3	148 W	52	57
6 5	17 19.81	+ 7 10.1	1.613	2.540	11.7	21.3	150 W	52	57
6 10	17 14.09	+ 7 9.8	1.603	2.533	11.6	21.3	150 W	52	57
6 15	17 8.32	+ 7 2.0	1.599	2.525	11.9	21.3	149 E	52	57
6 20	17 2.65	+ 6 46.6	1.601	2.516	12.6	21.3	147 E	52	57
6 25	16 57.22	+ 6 24.0	1.608	2.508	13.5	21.3	145 E	51	58
6 30	16 52.16	+ 5 54.5	1.622	2.499	14.7	21.4	141 E	51	58
7 5	16 47.57	+ 5 18.8	1.640	2.489	15.9	21.4	138 E	50	59
7 10	16 43.56	+ 4 37.6	1.664	2.479	17.2	21.5	134 E	50	59

537733 2015 TX_{305}

5 16	17 40.38	−16 54.8	1.074	2.010	14.9	21.2	149 W	28	81
5 26	17 34.16	−15 46.9	0.993	1.974	10.3	20.8	160 W	29	80
6 5	17 24.98	−14 37.6	0.932	1.938	5.8	20.4	169 W	30	79
6 15	17 14.00	−13 32.0	0.894	1.901	5.7	20.3	169 E	31	78
6 20	17 8.37	−13 2.7	0.883	1.883	8.0	20.4	165 E	32	77
6 25	17 2.96	−12 36.8	0.878	1.866	10.8	20.5	160 E	32	77
6 30	16 57.99	−12 15.0	0.878	1.848	13.8	20.5	154 E	33	76
7 5	16 53.64	−11 57.7	0.883	1.830	16.7	20.6	149 E	33	76
7 10	16 50.09	−11 45.5	0.891	1.813	19.5	20.7	144 E	33	76
7 15	16 47.48	−11 38.3	0.904	1.795	22.1	20.8	138 E	33	76
7 20	16 45.90	−11 36.2	0.920	1.778	24.5	20.9	133 E	33	76
7 25	16 45.38	−11 38.8	0.939	1.762	26.8	21.0	129 E	33	76
7 30	16 45.93	−11 45.7	0.960	1.745	28.8	21.1	124 E	33	76
8 4	16 47.55	−11 56.5	0.983	1.729	30.6	21.2	120 E	33	76
8 9	16 50.23	−12 10.7	1.008	1.713	32.2	21.2	116 E	33*	76
8 14	16 53.93	−12 27.6	1.034	1.698	33.6	21.3	112 E	32*	76
8 19	16 58.60	−12 46.5	1.060	1.683	34.8	21.4	109 E	32*	77
8 24	17 4.19	−13 7.0	1.088	1.668	35.8	21.5	105 E	32*	77

347900 2002 VR_3

5 16	17 41.09	−25 7.9	1.415	2.342	12.7	21.4	149 W	20	89
5 26	17 32.96	−24 52.7	1.334	2.315	8.3	21.0	161 W	20	89
6 5	17 22.29	−24 30.6	1.276	2.286	3.2	20.6	173 W	20	89
6 15	17 10.26	−24 1.3	1.244	2.257	2.4	20.5	175 E	21	88
6 25	16 58.45	−23 26.8	1.237	2.228	7.9	20.8	163 E	22	87
7 5	16 48.37	−22 51.0	1.254	2.197	13.1	21.0	151 E	22	87
7 15	16 41.20	−22 18.7	1.292	2.167	17.8	21.2	139 E	23	86
7 25	16 37.62	−21 53.5	1.346	2.136	21.7	21.3	129 E	23	86

498677 2008 SS_{207}

5 16	17 41.56	− 2 31.0	2.021	2.901	11.8	22.0	144 W	42	67
5 26	17 34.48	− 1 9.7	1.923	2.855	9.7	21.7	152 W	44	65
6 5	17 25.64	+ 0 1.7	1.850	2.808	8.5	21.6	156 W	45	64
6 15	17 15.72	+ 0 57.9	1.804	2.760	8.8	21.5	155 E	46	63
6 25	17 5.68	+ 1 34.5	1.783	2.711	10.8	21.5	150 E	47	62
7 5	16 56.48	+ 1 49.5	1.787	2.661	13.7	21.6	142 E	47	62

410002 2006 WW_{29}

5 16	17 42.11	+ 5 33.2	2.669	3.499	10.8	21.9	139 W	51	58
5 26	17 34.88	+ 6 47.2	2.628	3.509	9.4	21.8	145 W	52	57
6 5	17 26.62	+ 7 45.4	2.612	3.518	8.7	21.8	149 W	53	56
6 15	17 17.97	+ 8 24.7	2.622	3.526	8.8	21.8	148 E	53	56
6 25	17 9.60	+ 8 43.6	2.658	3.533	9.7	21.9	144 E	54	55
7 5	17 2.12	+ 8 42.7	2.718	3.539	11.1	22.0	138 E	54	55

326306 1998 XY_4

5 16	17 46.48	−38 31.4	2.284	3.164	10.6	21.9	145 W	6	77
5 21	17 41.22	−39 12.0	2.263	3.177	9.3	21.8	150 W	6	77
5 26	17 35.37	−39 49.4	2.249	3.191	8.0	21.7	154 W	5	76
5 31	17 29.06	−40 23.0	2.242	3.203	6.9	21.7	158 W	5	76
6 5	17 22.40	−40 52.2	2.242	3.216	6.0	21.7	161 W	4	75
6 10	17 15.56	−41 16.5	2.249	3.229	5.7	21.7	162 W	4	75
6 15	17 8.69	−41 35.7	2.264	3.241	5.9	21.7	161 E	3	74
6 20	17 1.97	−41 49.9	2.286	3.253	6.5	21.8	159 E	3	74
6 25	16 55.55	−41 59.3	2.314	3.265	7.5	21.8	155 E	3	74
6 30	16 49.57	−42 4.3	2.350	3.276	8.7	21.9	151 E	3	74
7 5	16 44.13	−42 5.6	2.392	3.288	9.8	22.0	146 E	3	74
7 10	16 39.33	−42 3.7	2.440	3.299	11.0	22.1	142 E	3	74

496392 2013 TU_{51}

5 16	17 46.54	−28 42.3	1.350	2.269	13.8	21.4	148 W	16	87
5 26	17 40.39	−29 0.9	1.255	2.228	9.7	21.1	158 W	16	87
6 5	17 31.28	−29 12.5	1.182	2.186	5.1	20.7	169 W	16	87
6 15	17 20.20	−29 13.6	1.133	2.145	3.1	20.4	173 E	16	87

496392 2013 TU_{51} *(continuation)*

6 20	17 14.40	−29 9.8	1.117	2.124	5.0	20.5	169 E	16	87
6 25	17 8.72	−29 3.1	1.108	2.104	7.6	20.6	164 E	16	87
6 30	17 3.38	−28 53.9	1.104	2.084	10.3	20.7	159 E	16	87
7 5	16 58.58	−28 42.7	1.106	2.064	12.9	20.8	153 E	16	87
7 10	16 54.50	−28 30.1	1.112	2.044	15.5	20.8	147 E	16	87
7 15	16 51.28	−28 16.8	1.123	2.024	18.0	20.9	142 E	17	88
7 20	16 49.03	−28 3.6	1.139	2.004	20.3	21.0	137 E	17	88
7 25	16 47.82	−27 50.8	1.157	1.985	22.4	21.1	132 E	17	88
7 30	16 47.65	−27 39.1	1.179	1.965	24.4	21.2	127 E	17	88
8 4	16 48.55	−27 28.5	1.204	1.947	26.1	21.2	122 E	18	89
8 9	16 50.50	−27 19.2	1.230	1.928	27.6	21.3	118 E	18*	89
8 14	16 53.47	−27 11.4	1.259	1.910	29.0	21.4	114 E	18*	89
8 19	16 57.42	−27 4.7	1.289	1.892	30.2	21.4	110 E	18*	89
8 24	17 2.29	−26 59.0	1.319	1.874	31.2	21.5	106 E	18*	89

21277 1996 TO_5

5 16	17 48.23	+ 4 46.2	2.575	3.401	11.3	21.5	139 W	50	59
5 26	17 40.81	+ 5 36.4	2.494	3.377	9.8	21.4	145 W	51	58
6 5	17 32.00	+ 6 11.6	2.438	3.353	8.8	21.3	150 W	51	58
6 15	17 22.42	+ 6 28.5	2.407	3.327	8.8	21.2	150 E	51	58
6 25	17 12.83	+ 6 25.1	2.403	3.300	9.8	21.2	147 E	51	58
7 5	17 3.95	+ 6 1.8	2.424	3.271	11.5	21.3	140 E	51	58
7 15	16 56.44	+ 5 20.4	2.468	3.241	13.4	21.4	132 E	50	59
7 25	16 50.78	+ 4 24.2	2.531	3.210	15.2	21.5	124 E	49	60

368818 2006 BK_{12}

5 16	17 49.01	−25 2.3	2.576	3.472	9.0	21.8	148 W	20	89
5 26	17 41.50	−24 49.6	2.485	3.449	6.1	21.5	159 W	20	89
6 5	17 32.49	−24 33.0	2.420	3.425	2.8	21.3	170 W	20	89
6 15	17 22.65	−24 12.3	2.384	3.399	0.8	21.1	177 E	21	88
6 25	17 12.84	−23 48.2	2.379	3.374	4.2	21.3	166 E	21	88
7 5	17 3.87	−23 22.3	2.402	3.347	7.6	21.5	154 E	22	87

213849 2003 SF_{55}

5 16	17 49.93	+ 4 40.9	2.366	3.193	12.1	21.6	138 W	50	59
5 26	17 42.96	+ 5 45.4	2.300	3.183	10.5	21.5	145 W	51	58
6 5	17 34.61	+ 6 33.7	2.258	3.171	9.5	21.4	149 W	52	57
6 15	17 25.51	+ 7 2.1	2.241	3.159	9.4	21.4	150 E	52	57
6 25	17 16.47	+ 7 8.6	2.250	3.146	10.3	21.4	146 E	52	57
7 5	17 8.23	+ 6 53.5	2.282	3.132	12.0	21.5	140 E	52	57

421771 2014 QB_2

5 16	17 49.98	−16 10.3	1.947	2.847	11.2	21.5	147 W	29	80
5 26	17 42.49	−16 19.5	1.856	2.820	7.8	21.2	158 W	29	80
6 5	17 33.00	−16 33.5	1.790	2.792	4.1	21.0	169 W	28	81
6 15	17 22.29	−16 52.2	1.752	2.763	2.5	20.8	173 E	28	81
6 25	17 11.41	−17 15.4	1.742	2.733	5.9	21.0	164 E	28	81
7 5	17 1.45	−17 42.6	1.759	2.702	9.9	21.1	153 E	27	82
7 15	16 53.36	−18 13.8	1.800	2.671	13.7	21.3	141 E	27	82
7 25	16 47.81	−18 48.9	1.860	2.639	16.9	21.5	131 E	26	83

526964 2007 RE_{33}

5 16	17 50.68	−17 23.0	1.881	2.783	11.5	21.4	147 W	28	81
5 26	17 43.27	−16 43.7	1.795	2.759	8.0	21.1	158 W	28	81
6 5	17 33.92	−16 5.1	1.734	2.735	4.4	20.9	168 W	29	80
6 15	17 23.45	−15 29.0	1.700	2.710	3.0	20.7	172 E	30	79
6 25	17 12.96	−14 57.6	1.695	2.684	6.3	20.9	163 E	30	79
7 5	17 3.51	−14 33.3	1.715	2.657	10.3	21.1	152 E	30	79
7 15	16 56.01	−14 17.8	1.759	2.629	14.0	21.2	141 E	31	78
7 25	16 51.08	−14 11.8	1.823	2.601	17.2	21.4	131 E	31	78

399587 2003 TW_9

5 16	17 51.02	−41 30.3	2.073	2.942	12.0	21.5	143 W	3	74
5 21	17 46.37	−41 29.9	2.025	2.929	10.7	21.3	148 W	4	75
5 26	17 41.04	−41 25.1	1.982	2.917	9.3	21.2	152 W	4	75
5 31	17 35.13	−41 15.5	1.946	2.904	8.0	21.1	156 W	4	75
6 5	17 28.77	−41 0.4	1.916	2.890	6.9	21.0	160 W	4	75
6 10	17 22.13	−40 39.7	1.893	2.877	6.2	21.0	162 W	4	75
6 15	17 15.38	−40 13.3	1.877	2.863	6.1	20.9	163 E	5	76
6 20	17 8.72	−39 41.4	1.868	2.849	6.6	20.9	161 E	5	76
6 25	17 2.34	−39 4.6	1.866	2.835	7.7	21.0	158 E	6	77
6 30	16 56.38	−38 23.7	1.871	2.820	9.1	21.0	154 E	7	78
7 5	16 50.98	−37 39.4	1.882	2.806	10.6	21.1	149 E	7	78
7 10	16 46.27	−36 52.8	1.900	2.791	12.2	21.2	144 E	8	79
7 15	16 42.31	−36 4.9	1.923	2.775	13.8	21.2	139 E	9	80
7 20	16 39.18	−35 16.8	1.951	2.760	15.2	21.3	134 E	10	81
7 25	16 36.88	−34 29.1	1.984	2.744	16.6	21.4	129 E	11	82
7 30	16 35.41	−33 42.7	2.021	2.728	17.8	21.4	125 E	11	82

109226 2001 QH_{91}

2021	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
	h m	° ′			°	m	°	°	°
5 16	17 55.32	−18 17.1	2.661	3.543	9.2	21.6	146 W	27	82
5 26	17 48.42	−17 58.7	2.576	3.530	6.5	21.4	157 W	27	82
6 5	17 40.13	−17 41.2	2.518	3.516	3.5	21.2	168 W	27	82
6 15	17 31.05	−17 25.1	2.489	3.501	1.7	21.0	174 E	28	81
6 25	17 21.91	−17 11.2	2.490	3.485	4.0	21.2	166 E	28	81
7 5	17 13.46	−17 0.4	2.519	3.469	7.1	21.3	155 E	28	81
7 15	17 6.33	−16 53.7	2.575	3.451	9.9	21.5	144 E	28	81

299198 2005 GQ_{172}

2021	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
5 16	17 56.66	−35 0.7	2.383	3.257	10.5	21.4	144 W	10	81
5 21	17 52.56	−35 20.7	2.347	3.258	9.1	21.3	149 W	10	81
5 26	17 47.91	−35 38.6	2.317	3.260	7.8	21.2	154 W	9	80
5 31	17 42.79	−35 54.1	2.294	3.261	6.4	21.2	159 W	9	80
6 5	17 37.30	−36 6.7	2.277	3.262	5.2	21.1	163 W	9	80
6 10	17 31.55	−36 16.1	2.268	3.263	4.3	21.0	166 W	9	80
6 15	17 25.69	−36 22.0	2.266	3.263	4.1	21.0	167 E	9	80
6 20	17 19.86	−36 24.6	2.271	3.264	4.6	21.0	165 E	9	80
6 25	17 14.19	−36 23.7	2.283	3.264	5.6	21.1	162 E	9	80
6 30	17 8.81	−36 19.9	2.303	3.263	7.0	21.2	157 E	9	80
7 5	17 3.82	−36 13.3	2.329	3.263	8.3	21.3	152 E	9	80
7 10	16 59.34	−36 4.5	2.361	3.262	9.7	21.4	147 E	9	80
7 15	16 55.43	−35 53.9	2.399	3.261	11.0	21.5	142 E	9	80

352102 2007 AG_{12}

2021	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
5 16	17 57.02	−82 28.1	1.458	2.097	25.9	23.1	115 W	—	34
5 17	17 51.09	−82 41.1	1.446	2.089	26.0	23.1	115 W	—	33
5 18	17 44.55	−82 53.5	1.435	2.081	26.0	23.1	116 W	—	33
5 19	17 37.34	−83 5.3	1.423	2.073	26.1	23.0	116 W	—	33
5 20	17 29.44	−83 16.3	1.411	2.065	26.1	23.0	116 W	—	33
5 21	17 20.83	−83 26.4	1.400	2.057	26.2	23.0	116 W	—	33
5 22	17 11.51	−83 35.7	1.388	2.049	26.3	23.0	116 W	—	32
5 23	17 1.48	−83 43.8	1.377	2.041	26.3	22.9	117 W	—	32
5 24	16 50.77	−83 50.8	1.366	2.033	26.4	22.9	117 W	—	32
5 25	16 39.43	−83 56.5	1.355	2.025	26.5	22.9	117 W	—	32
5 26	16 27.53	−84 0.7	1.344	2.017	26.6	22.9	117 W	—	32
5 27	16 15.17	−84 3.5	1.333	2.009	26.7	22.8	117 W	—	32
5 28	16 2.48	−84 4.6	1.322	2.001	26.7	22.8	117 E	—	32
5 29	15 49.57	−84 4.1	1.311	1.993	26.8	22.8	117 E	—	32
5 30	15 36.62	−84 1.9	1.301	1.985	26.9	22.8	118 E	—	32
5 31	15 23.76	−83 57.9	1.290	1.977	27.0	22.7	118 E	—	32
6 1	15 11.14	−83 52.2	1.280	1.968	27.1	22.7	118 E	—	32
6 2	14 58.91	−83 44.7	1.270	1.960	27.2	22.7	118 E	—	32
6 3	14 47.17	−83 35.6	1.260	1.952	27.4	22.7	118 E	—	32
6 4	14 36.02	−83 24.8	1.250	1.943	27.5	22.7	118 E	—	33
6 5	14 25.52	−83 12.4	1.240	1.935	27.6	22.6	118 E	—	33
6 6	14 15.72	−82 58.6	1.230	1.927	27.7	22.6	118 E	—	33
6 7	14 6.64	−82 43.4	1.221	1.918	27.9	22.6	118 E	—	33
6 8	13 58.28	−82 26.9	1.211	1.910	28.0	22.6	118 E	—	34
6 9	13 50.63	−82 9.2	1.202	1.901	28.2	22.5	118 E	—	34
6 10	13 43.67	−81 50.4	1.192	1.893	28.3	22.5	118 E	—	34
6 11	13 37.37	−81 30.4	1.183	1.884	28.5	22.5	118 E	—	34
6 12	13 31.70	−81 9.5	1.174	1.876	28.6	22.5	118 E	—	35
6 13	13 26.61	−80 47.7	1.165	1.867	28.8	22.5	118 E	—	35
6 14	13 22.06	−80 25.0	1.156	1.858	29.0	22.4	117 E	—	36
6 15	13 18.03	−80 1.6	1.148	1.850	29.2	22.4	117 E	—	36
6 16	13 14.47	−79 37.3	1.139	1.841	29.4	22.4	117 E	—	36
6 17	13 11.34	−79 12.4	1.131	1.832	29.6	22.4	117 E	—	37
6 18	13 8.62	−78 46.8	1.122	1.823	29.8	22.3	117 E	—	37
6 19	13 6.26	−78 20.5	1.114	1.815	30.0	22.3	117 E	—	38
6 20	13 4.25	−77 53.7	1.106	1.806	30.2	22.3	117 E	—	38
6 21	13 2.54	−77 26.2	1.098	1.797	30.5	22.3	116 E	—	39
6 22	13 1.13	−76 58.3	1.090	1.788	30.7	22.3	116 E	—	39
6 23	12 59.98	−76 29.8	1.083	1.779	30.9	22.3	116 E	—	40
6 24	12 59.08	−76 0.8	1.075	1.770	31.2	22.2	116 E	—	40
6 25	12 58.40	−75 31.3	1.068	1.761	31.4	22.2	115 E	—	40
6 26	12 57.93	−75 1.4	1.060	1.752	31.7	22.2	115 E	—	41

397360 2006 UZ_{124}

2021	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
5 16	17 58.02	− 0 4.7	1.800	2.650	14.4	21.7	139 W	45	64
5 21	17 54.12	+ 0 48.6	1.779	2.660	13.2	21.6	143 W	46	63
5 26	17 49.72	+ 1 38.2	1.763	2.669	12.0	21.6	147 W	47	62
5 31	17 44.91	+ 2 23.4	1.754	2.679	11.0	21.5	150 W	47	62
6 5	17 39.79	+ 3 3.5	1.751	2.688	10.2	21.5	152 W	48	61
6 10	17 34.49	+ 3 37.7	1.754	2.697	9.9	21.5	153 W	49	60
6 15	17 29.15	+ 4 5.6	1.764	2.706	9.9	21.5	153 E	49	60
6 20	17 23.89	+ 4 26.9	1.780	2.715	10.4	21.6	151 E	49	60
6 25	17 18.85	+ 4 41.5	1.802	2.723	11.2	21.6	149 E	50	59
6 30	17 14.14	+ 4 49.7	1.830	2.731	12.1	21.7	146 E	50	59
7 5	17 9.84	+ 4 51.8	1.864	2.738	13.2	21.8	142 E	50	59
7 10	17 6.05	+ 4 48.0	1.903	2.746	14.3	21.9	138 E	50	59

288768 2004 RD_{95}

2021	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
	h m	° ′			°	m	°	°	°
5 16	17 58.64	−15 33.0	1.968	2.853	11.8	21.5	145 W	29	80
5 26	17 51.40	−15 0.8	1.879	2.832	8.6	21.2	155 W	30	79
6 5	17 42.18	−14 31.4	1.815	2.809	5.1	21.0	166 W	30	79
6 15	17 31.74	−14 6.3	1.779	2.786	3.3	20.8	171 E	31	78
6 25	17 21.09	−13 47.4	1.770	2.762	5.8	20.9	164 E	31	78
7 5	17 11.29	−13 35.9	1.789	2.737	9.5	21.1	154 E	31	78
7 15	17 3.23	−13 33.0	1.832	2.710	13.2	21.2	143 E	31	78
7 25	16 57.59	−13 38.7	1.895	2.683	16.3	21.4	132 E	31	78

258123 2001 QK_{293}

2021	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
5 16	18 1.50	−58 23.9	2.841	3.598	12.0	21.8	132 W	—	58
5 21	17 55.79	−58 45.5	2.806	3.596	11.4	21.7	135 W	—	57
5 26	17 49.30	−59 2.0	2.776	3.594	10.8	21.7	138 W	—	57
5 31	17 42.15	−59 12.8	2.751	3.592	10.3	21.6	141 W	—	57
6 5	17 34.49	−59 17.1	2.732	3.590	9.9	21.6	142 W	—	57
6 10	17 26.54	−59 14.5	2.719	3.588	9.7	21.6	144 W	—	57
6 15	17 18.51	−59 4.8	2.712	3.585	9.6	21.6	144 E	—	57
6 20	17 10.63	−58 48.0	2.712	3.582	9.6	21.6	144 E	—	57
6 25	17 3.12	−58 24.6	2.717	3.579	9.9	21.6	143 E	—	58
6 30	16 56.15	−57 55.1	2.728	3.576	10.3	21.6	141 E	—	58
7 5	16 49.86	−57 20.2	2.746	3.572	10.8	21.6	139 E	—	59
7 10	16 44.38	−56 40.9	2.769	3.569	11.5	21.7	136 E	—	59

338336 2002 WB_1

2021	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
5 16	18 3.46	−33 14.3	2.114	2.985	11.7	21.9	143 W	12	83
5 26	17 54.60	−33 42.0	2.050	2.993	8.6	21.7	154 W	11	82
6 5	17 43.67	−34 0.2	2.011	2.999	5.4	21.5	164 W	11	82
6 15	17 31.60	−34 5.9	2.000	3.004	3.6	21.4	169 E	11	82
6 25	17 19.61	−33 58.5	2.018	3.008	5.4	21.6	164 E	11	82
7 5	17 8.85	−33 39.7	2.063	3.010	8.5	21.7	154 E	11	82

285618 2000 RN_8

2021	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
5 16	18 4.10	−52 49.9	2.526	3.320	12.4	21.6	135 W	—	63
5 21	17 58.83	−53 14.7	2.490	3.318	11.6	21.5	139 W	—	63
5 26	17 52.77	−53 34.9	2.459	3.317	10.8	21.4	142 W	—	62
5 31	17 46.04	−53 49.8	2.433	3.315	10.1	21.4	145 W	—	62
6 5	17 38.79	−53 58.5	2.414	3.314	9.5	21.3	147 W	—	62
6 10	17 31.18	−54 0.6	2.401	3.311	9.1	21.3	149 W	—	62
6 15	17 23.44	−53 55.6	2.395	3.309	9.0	21.3	149 E	—	62
6 20	17 15.78	−53 43.7	2.395	3.306	9.1	21.3	149 E	—	62
6 25	17 8.40	−53 25.2	2.401	3.303	9.5	21.3	147 E	—	63
6 30	17 1.49	−53 0.6	2.414	3.300	10.1	21.4	145 E	—	63
7 5	16 55.20	−52 30.7	2.432	3.297	10.8	21.4	142 E	—	63
7 10	16 49.65	−51 56.3	2.457	3.293	11.7	21.5	139 E	—	64

366949 2005 WP_1

2021	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
5 16	18 6.38	−44 37.1	2.167	3.003	12.8	21.8	139 W	—	71
5 21	18 1.92	−44 37.7	2.111	2.985	11.6	21.7	143 W	—	71
5 26	17 56.68	−44 34.1	2.060	2.968	10.4	21.6	148 W	—	71
5 31	17 50.77	−44 25.3	2.016	2.950	9.2	21.5	152 W	1	72
6 5	17 44.29	−44 10.7	1.977	2.932	8.2	21.4	156 W	1	72
6 10	17 37.40	−43 49.9	1.946	2.914	7.3	21.3	159 W	1	72
6 15	17 30.29	−43 22.4	1.921	2.896	6.9	21.2	160 E	2	73
6 20	17 23.16	−42 48.4	1.903	2.877	7.1	21.2	160 E	2	73
6 25	17 16.21	−42 8.2	1.892	2.859	7.8	21.2	158 E	3	74
6 30	17 9.61	−41 22.5	1.888	2.840	8.9	21.2	154 E	4	75
7 5	17 3.54	−40 32.1	1.891	2.820	10.3	21.3	150 E	4	75
7 10	16 58.11	−39 38.0	1.900	2.801	11.7	21.3	146 E	5	76
7 15	16 53.45	−38 41.4	1.916	2.781	13.3	21.4	141 E	6	77
7 20	16 49.63	−37 43.5	1.937	2.762	14.7	21.5	136 E	7	78

405199 2003 DW_{21}

2021	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
5 16	18 8.97	−57 1.9	2.900	3.655	11.8	22.1	132 W	—	59
5 21	18 3.63	−57 37.1	2.868	3.657	11.2	22.1	135 W	—	58
5 26	17 57.46	−58 7.9	2.841	3.659	10.6	22.1	138 W	—	58
5 31	17 50.56	−58 33.4	2.820	3.661	10.1	22.0	141 W	—	57
6 5	17 43.07	−58 53.1	2.805	3.663	9.7	22.0	142 W	—	57
6 10	17 35.16	−59 6.2	2.797	3.664	9.5	22.0	144 W	—	57
6 15	17 27.04	−59 12.5	2.794	3.665	9.4	22.0	144 E	—	57
6 20	17 18.93	−59 11.8	2.797	3.666	9.4	22.0	144 E	—	57
6 25	17 11.06	−59 4.3	2.807	3.667	9.7	22.0	143 E	—	57
6 30	17 3.60	−58 50.5	2.823	3.667	10.1	22.0	141 E	—	57
7 5	16 56.75	−58 31.0	2.844	3.667	10.6	22.1	138 E	—	57
7 10	16 50.63	−58 6.6	2.871	3.667	11.2	22.1	136 E	—	58

523616 2007 LC_{15}

2021	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
5 16	18 19.44	+ 2 54.5	1.250	2.076	20.8	21.7	133 W	48	61
5 21	18 10.73	+ 2 58.1	1.228	2.097	18.6	21.6	139 W	48	61
5 26	18 1.11	+ 2 54.5	1.213	2.117	16.4	21.5	144 W	48	61
5 31	17 50.78	+ 2 43.2	1.204	2.136	14.3	21.5	149 W	48	61
6 5	17 39.96	+ 2 23.8	1.202	2.153	12.6	21.4	152 W	47	62

2021	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
	h m	° ′			°	m	°	°	°
523616 2007 LC_{15} *(continuation)*									
6 10	17 28.94	+ 1 56.6	1.208	2.170	11.5	21.4	155 W	47	62
6 15	17 18.02	+ 1 21.8	1.221	2.185	11.3	21.4	155 E	46	63
6 20	17 7.50	+ 0 40.3	1.243	2.199	11.9	21.5	153 E	46	63
6 25	16 57.61	− 0 6.7	1.272	2.212	13.2	21.6	150 E	45	64
6 30	16 48.56	− 0 58.0	1.308	2.223	14.9	21.7	146 E	44	65
7 5	16 40.48	− 1 52.5	1.350	2.234	16.6	21.9	141 E	43	66
7 10	16 33.46	− 2 49.1	1.399	2.244	18.4	22.0	136 E	42	67
215588 2003 HF_2									
5 16	18 23.03	−17 47.6	0.880	1.773	21.9	21.4	139 W	27	82
5 21	18 15.78	−17 28.7	0.825	1.756	19.0	21.2	146 W	28	81
5 26	18 6.58	−17 8.5	0.774	1.737	15.7	20.9	152 W	28	81
5 31	17 55.37	−16 46.4	0.729	1.716	11.9	20.6	160 W	28	81
6 5	17 42.18	−16 21.7	0.691	1.694	8.0	20.3	167 W	29	80
6 10	17 27.22	−15 54.1	0.659	1.670	4.8	20.0	172 W	29	80
6 15	17 10.87	−15 23.3	0.634	1.645	5.8	20.0	171 E	30	79
6 20	16 53.71	−14 49.9	0.617	1.617	10.3	20.1	163 E	30	79
6 25	16 36.40	−14 15.0	0.608	1.588	15.7	20.2	155 E	31	78
6 30	16 19.62	−13 40.1	0.605	1.557	21.1	20.3	146 E	31	78
7 5	16 3.96	−13 7.1	0.608	1.525	26.5	20.4	138 E	32	77
7 10	15 49.86	−12 37.9	0.617	1.490	31.5	20.6	130 E	32	77
7 15	15 37.60	−12 13.8	0.629	1.453	36.2	20.7	122 E	33*	76
7 20	15 27.27	−11 55.6	0.643	1.415	40.6	20.8	115 E	32*	76
7 25	15 18.82	−11 43.5	0.659	1.374	44.6	20.9	108 E	32*	76
7 30	15 12.11	−11 37.2	0.675	1.331	48.3	21.0	102 E	30*	76
8 4	15 6.96	−11 36.3	0.691	1.285	51.7	21.1	96 E	29*	76
8 9	15 3.18	−11 40.2	0.704	1.238	55.0	21.1	90 E	28*	76*
8 14	15 0.56	−11 48.3	0.715	1.188	58.2	21.1	85 E	26*	74*
8 19	14 58.84	−11 59.7	0.722	1.135	61.4	21.2	80 E	24*	71*
8 24	14 57.79	−12 13.5	0.726	1.080	64.7	21.2	75 E	23*	67*
8 29	14 57.10	−12 28.7	0.725	1.022	68.2	21.1	70 E	21*	63*
9 3	14 56.48	−12 44.3	0.719	0.961	72.2	21.1	65 E	20*	58*
9 8	14 55.51	−12 59.0	0.707	0.897	76.8	21.1	60 E	18*	53*
9 13	14 53.62	−13 11.0	0.690	0.830	82.4	21.1	55 E	16*	48*
9 18	14 49.99	−13 17.4	0.667	0.760	89.3	21.1	49 E	14*	43*
9 23	14 43.45	−13 14.0	0.640	0.687	98.2	21.2	43 E	12*	36*
9 28	14 32.37	−12 53.7	0.610	0.613	110.0	21.4	35 E	9*	29*
401000 2011 QV_{13}									
5 16	18 31.10	−18 0.7	1.254	2.112	18.9	21.4	137 W	27	82
5 26	18 28.89	−17 46.7	1.148	2.074	15.3	21.0	147 W	27	82
6 5	18 23.24	−17 38.7	1.060	2.037	10.8	20.6	158 W	27	82
6 15	18 14.50	−17 37.7	0.992	1.999	5.7	20.2	169 W	27	82
6 20	18 9.27	−17 39.9	0.967	1.980	3.5	20.0	173 W	27	82
6 25	18 3.70	−17 43.9	0.947	1.961	3.2	20.0	174 E	27	82
6 30	17 57.99	−17 49.7	0.933	1.942	5.4	20.0	170 E	27	82
7 5	17 52.36	−17 57.2	0.925	1.923	8.2	20.1	164 E	27	82
7 10	17 47.05	−18 6.4	0.922	1.905	11.2	20.2	159 E	27	82
7 15	17 42.29	−18 17.3	0.924	1.886	14.2	20.3	153 E	27	82
7 20	17 38.27	−18 29.8	0.931	1.868	17.1	20.4	147 E	27	82
7 25	17 35.14	−18 43.8	0.942	1.850	19.8	20.5	142 E	26	83
8 4	17 31.94	−19 15.8	0.974	1.815	24.7	20.7	132 E	26	83
8 14	17 33.16	−19 51.9	1.018	1.780	28.7	20.9	122 E	25	84
8 24	17 38.82	−20 29.9	1.069	1.747	31.8	21.0	114 E	25	84
9 3	17 48.57	−21 6.7	1.125	1.716	34.2	21.1	107 E	24*	85
9 13	18 2.06	−21 39.1	1.185	1.686	35.9	21.3	100 E	23*	86
9 23	18 18.83	−22 3.4	1.245	1.659	37.1	21.4	94 E	23*	86*
10 3	18 38.41	−22 16.4	1.306	1.634	37.8	21.5	89 E	23*	82*
399637 2004 PQ_{68}									
5 16	18 35.54	− 8 39.6	1.479	2.300	18.4	21.4	134 W	36	73
5 26	18 32.50	− 7 50.6	1.372	2.267	15.5	21.1	143 W	37	72
6 5	18 26.48	− 7 11.6	1.284	2.234	12.1	20.8	153 W	38	71
6 15	18 17.86	− 6 47.3	1.218	2.201	8.9	20.5	160 W	38	71
6 25	18 7.55	− 6 41.7	1.174	2.167	7.8	20.4	163 E	38	71
7 5	17 56.81	− 6 56.7	1.154	2.133	10.0	20.4	159 E	38	71
7 15	17 47.07	− 7 32.1	1.156	2.099	14.0	20.5	150 E	37	72
7 25	17 39.66	− 8 25.2	1.179	2.065	18.3	20.7	140 E	37	72
8 4	17 35.44	− 9 31.3	1.218	2.031	22.2	20.8	131 E	35	74
8 14	17 34.88	−10 45.7	1.269	1.997	25.6	21.0	122 E	34	75
8 24	17 38.07	−12 3.7	1.330	1.963	28.2	21.1	113 E	33	76
9 3	17 44.80	−13 21.2	1.397	1.931	30.2	21.3	106 E	32*	77
9 13	17 54.83	−14 34.7	1.468	1.898	31.6	21.4	98 E	30*	79
9 23	18 7.83	−15 41.0	1.540	1.867	32.5	21.5	92 E	29*	79*
458375 2010 WY_8									
5 16	18 44.22	−15 46.9	0.399	1.320	33.5	21.3	134 W	29	80
5 26	18 40.16	−17 37.7	0.378	1.339	25.9	21.0	145 W	27	82
6 5	18 29.53	−19 55.3	0.366	1.359	16.9	20.7	157 W	25	84
6 15	18 13.87	−22 24.6	0.367	1.379	6.9	20.3	171 W	23	86

2021	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
	h m	° ′			°	m	°	°	°
458375 2010 WY_8 *(continuation)*									
6 20	18 5.18	−23 36.9	0.373	1.389	1.9	20.1	177 W	21	88
6 25	17 56.61	−24 44.4	0.383	1.399	3.2	20.3	176 E	20	89
6 30	17 48.61	−25 45.2	0.397	1.409	7.9	20.6	169 E	19	90
7 5	17 41.61	−26 38.6	0.415	1.418	12.3	20.9	163 E	18	89
7 10	17 35.91	−27 24.6	0.436	1.428	16.4	21.2	157 E	18	89
7 15	17 31.73	−28 3.7	0.461	1.437	20.1	21.4	151 E	17	88
7 20	17 29.18	−28 36.8	0.489	1.446	23.4	21.7	146 E	16	87
399640 2004 QL_{10}									
5 16	18 45.70	−18 28.2	1.335	2.163	19.6	21.4	134 W	27	82
5 26	18 44.40	−18 47.3	1.227	2.131	16.3	21.1	144 W	26	83
6 5	18 39.71	−19 17.7	1.136	2.098	12.0	20.7	155 W	26	83
6 15	18 31.79	−19 59.0	1.065	2.065	6.8	20.3	166 W	25	84
6 20	18 26.85	−20 23.2	1.038	2.049	4.1	20.1	172 W	25	84
6 25	18 21.46	−20 49.1	1.017	2.033	1.5	19.9	177 W	24	85
6 30	18 15.81	−21 16.3	1.002	2.017	2.5	19.9	175 E	24	85
7 5	18 10.09	−21 44.1	0.993	2.001	5.4	20.0	169 E	23	86
7 10	18 4.54	−22 12.2	0.989	1.985	8.5	20.1	163 E	23	86
7 15	17 59.39	−22 40.0	0.991	1.969	11.4	20.3	157 E	22	87
7 20	17 54.86	−23 7.3	0.999	1.953	14.3	20.4	152 E	22	87
7 25	17 51.11	−23 33.8	1.011	1.938	17.1	20.5	146 E	21	88
7 30	17 48.27	−23 59.5	1.027	1.922	19.6	20.6	141 E	21	88
8 4	17 46.44	−24 24.3	1.047	1.907	22.0	20.7	135 E	21	88
8 9	17 45.68	−24 48.1	1.071	1.892	24.1	20.8	130 E	20	89
8 14	17 46.03	−25 10.8	1.097	1.877	26.0	20.9	126 E	20	89
8 19	17 47.49	−25 32.5	1.125	1.863	27.7	20.9	121 E	19	90
8 24	17 50.02	−25 52.9	1.156	1.849	29.2	21.0	117 E	19	90
8 29	17 53.58	−26 12.0	1.188	1.835	30.5	21.1	113 E	19	90
9 3	17 58.13	−26 29.4	1.222	1.821	31.6	21.2	109 E	19	90
9 8	18 3.62	−26 45.0	1.256	1.808	32.5	21.3	106 E	18*	89
9 13	18 10.00	−26 58.5	1.291	1.795	33.2	21.3	102 E	18*	89
9 18	18 17.21	−27 9.6	1.327	1.783	33.8	21.4	99 E	18*	89
9 23	18 25.17	−27 18.1	1.363	1.771	34.3	21.4	96 E	18*	89*
9 28	18 33.84	−27 23.5	1.399	1.759	34.7	21.5	93 E	18*	87*
297837 2002 BX									
5 16	18 47.16	−47 53.6	1.953	2.726	16.2	21.3	131 W	—	68
5 21	18 44.00	−48 14.2	1.898	2.713	15.2	21.2	135 W	—	68
5 26	18 39.81	−48 31.9	1.848	2.700	14.1	21.1	140 W	—	67
5 31	18 34.60	−48 45.7	1.802	2.687	12.9	21.0	144 W	—	67
6 5	18 28.45	−48 54.4	1.762	2.673	11.8	20.9	147 W	—	67
6 10	18 21.49	−48 56.9	1.727	2.659	10.8	20.8	151 W	—	67
6 15	18 13.89	−48 52.1	1.699	2.645	10.0	20.7	153 W	—	67
6 20	18 5.89	−48 39.4	1.676	2.631	9.5	20.6	155 W	—	67
6 25	17 57.73	−48 18.2	1.661	2.617	9.5	20.6	155 E	—	68
6 30	17 49.67	−47 48.7	1.651	2.602	10.0	20.6	154 E	—	68
7 5	17 41.97	−47 11.3	1.648	2.587	10.8	20.6	151 E	—	69
7 10	17 34.86	−46 26.8	1.651	2.572	12.0	20.7	148 E	—	70
7 15	17 28.52	−45 36.4	1.660	2.556	13.4	20.7	144 E	—	70
7 20	17 23.12	−44 41.3	1.674	2.540	14.8	20.8	140 E	—	71
7 25	17 18.73	−43 43.0	1.694	2.525	16.3	20.8	136 E	1	72
7 30	17 15.39	−42 42.8	1.719	2.508	17.7	20.9	131 E	2	73
8 4	17 13.11	−41 41.9	1.748	2.492	19.0	21.0	127 E	3	74
8 9	17 11.87	−40 41.1	1.781	2.476	20.3	21.0	122 E	4	75
8 14	17 11.64	−39 41.5	1.817	2.459	21.4	21.1	118 E	5	76
8 19	17 12.37	−38 43.5	1.856	2.442	22.3	21.2	113 E	6*	77
8 24	17 13.99	−37 47.4	1.897	2.425	23.2	21.2	109 E	7*	78
8 29	17 16.43	−36 53.6	1.940	2.408	23.9	21.3	105 E	8*	79
9 3	17 19.63	−36 1.9	1.984	2.390	24.5	21.3	101 E	9*	80
9 8	17 23.54	−35 12.5	2.029	2.372	24.9	21.4	97 E	9*	81
9 13	17 28.10	−34 25.1	2.075	2.355	25.3	21.4	93 E	10*	81*
9 18	17 33.26	−33 39.6	2.121	2.337	25.5	21.4	89 E	11*	80*
9 23	17 38.96	−32 55.6	2.167	2.318	25.6	21.5	86 E	11*	78*
530558 2011 QF_{21}									
5 16	18 50.79	−33 27.4	1.335	2.158	19.9	21.3	133 W	12	83
5 26	18 49.80	−34 31.0	1.226	2.122	16.8	21.0	143 W	10	81
6 5	18 44.81	−35 37.0	1.134	2.085	13.1	20.6	152 W	9	80
6 15	18 35.87	−36 38.1	1.061	2.049	9.3	20.3	161 W	8	79
6 20	18 30.16	−37 3.9	1.033	2.030	7.8	20.2	164 W	8	79
6 25	18 23.85	−37 25.0	1.011	2.012	7.1	20.1	166 W	8	79
6 30	18 17.18	−37 40.4	0.994	1.994	7.6	20.0	165 E	7	78
7 5	18 10.40	−37 49.3	0.983	1.975	9.1	20.1	162 E	7	78
7 10	18 3.82	−37 51.6	0.977	1.957	11.3	20.1	158 E	7	78
7 15	17 57.73	−37 47.4	0.977	1.939	13.7	20.2	153 E	7	78
7 20	17 52.40	−37 37.3	0.981	1.921	16.2	20.3	148 E	7	78
7 25	17 48.04	−37 22.2	0.990	1.903	18.7	20.3	143 E	8	79
7 30	17 44.78	−37 3.1	1.003	1.886	21.0	20.4	138 E	8	79
8 4	17 42.74	−36 41.0	1.020	1.868	23.3	20.5	133 E	8	79
8 9	17 41.96	−36 16.7	1.039	1.851	25.3	20.6	129 E	9	80

21/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
	h m	° ′			°	m	°	°	°
530558 2011 QF_{21} *(continuation)*									
8 14	17 42.47	−35 51.0	1.061	1.834	27.2	20.7	124 E	9	80
8 19	17 44.22	−35 24.6	1.085	1.817	28.8	20.7	120 E	10	81
8 24	17 47.18	−34 57.6	1.111	1.801	30.3	20.8	116 E	10	81
8 29	17 51.25	−34 30.3	1.139	1.784	31.6	20.9	112 E	10	81
9 3	17 56.39	−34 2.6	1.168	1.769	32.8	21.0	108 E	11	82
9 8	18 2.51	−33 34.4	1.197	1.753	33.7	21.0	105 E	11*	82
9 13	18 9.54	−33 5.4	1.227	1.738	34.5	21.1	102 E	12*	83
9 18	18 17.41	−32 35.5	1.258	1.723	35.2	21.1	99 E	12*	83
9 23	18 26.03	−32 4.1	1.289	1.709	35.8	21.2	96 E	13*	84*
9 28	18 35.33	−31 30.9	1.320	1.696	36.2	21.2	93 E	13*	84*
10 3	18 45.24	−30 55.6	1.351	1.683	36.5	21.3	90 E	14*	83*
10 8	18 55.70	−30 17.8	1.383	1.670	36.7	21.3	87 E	15*	81*
10 13	19 6.65	−29 37.3	1.414	1.658	36.8	21.3	85 E	15*	79*
10 18	19 18.03	−28 53.6	1.445	1.647	36.9	21.4	83 E	16*	77*
10 23	19 29.76	−28 6.5	1.476	1.636	36.8	21.4	80 E	17*	74*
10 28	19 41.81	−27 15.9	1.508	1.626	36.7	21.4	78 E	18*	72*
11 2	19 54.12	−26 21.5	1.539	1.617	36.5	21.5	76 E	19*	69*
11 7	20 6.65	−25 23.3	1.570	1.609	36.3	21.5	74 E	20*	67*
490559 2009 WR_{20}									
5 16	18 51.00	−28 53.1	1.725	2.530	16.8	21.3	134 W	16	87
5 26	18 48.54	−29 41.0	1.601	2.490	14.0	21.0	144 W	15	86
6 5	18 42.83	−30 32.9	1.496	2.448	10.5	20.7	154 W	14	85
6 15	18 34.06	−31 24.6	1.413	2.407	6.6	20.4	164 W	14	85
6 20	18 28.72	−31 48.5	1.381	2.386	4.8	20.2	169 W	13	84
6 25	18 22.94	−32 10.2	1.356	2.365	3.8	20.1	171 W	13	84
6 30	18 16.87	−32 29.0	1.336	2.344	4.4	20.1	170 E	13	84
7 5	18 10.71	−32 44.3	1.323	2.323	6.1	20.1	166 E	12	83
7 10	18 4.67	−32 56.1	1.317	2.301	8.3	20.2	161 E	12	83
7 15	17 58.97	−33 4.0	1.316	2.280	10.7	20.3	155 E	12	83
7 20	17 53.79	−33 8.5	1.321	2.259	13.0	20.3	150 E	12	83
7 25	17 49.32	−33 9.9	1.331	2.238	15.3	20.4	145 E	12	83
7 30	17 45.67	−33 8.5	1.346	2.216	17.4	20.5	139 E	12	83
8 4	17 42.95	−33 5.1	1.365	2.195	19.4	20.6	134 E	12	83
8 9	17 41.22	−33 0.0	1.388	2.174	21.3	20.6	129 E	12	83
8 14	17 40.52	−32 53.8	1.414	2.153	22.9	20.7	124 E	12	83
8 19	17 40.86	−32 46.7	1.442	2.132	24.4	20.8	120 E	12	83
8 24	17 42.22	−32 39.2	1.473	2.111	25.7	20.8	115 E	12	83
8 29	17 44.57	−32 31.3	1.505	2.090	26.9	20.9	111 E	12	83
9 3	17 47.86	−32 22.9	1.539	2.069	27.8	21.0	107 E	13*	84
9 8	17 52.07	−32 14.2	1.573	2.048	28.7	21.0	103 E	13*	84
9 13	17 57.14	−32 4.9	1.608	2.028	29.3	21.0	99 E	13*	84
9 18	18 3.01	−31 55.0	1.643	2.007	29.9	21.1	96 E	13*	84*
9 23	18 9.64	−31 44.0	1.678	1.987	30.3	21.1	92 E	13*	83*
9 28	18 16.97	−31 31.8	1.713	1.967	30.6	21.2	89 E	13*	81*
10 3	18 24.96	−31 18.0	1.748	1.948	30.8	21.2	86 E	13*	79*
10 8	18 33.56	−31 2.4	1.782	1.929	30.9	21.2	83 E	14*	76*
10 13	18 42.72	−30 44.7	1.815	1.910	30.9	21.2	80 E	14*	74*
10 18	18 52.40	−30 24.5	1.848	1.891	30.9	21.2	77 E	14*	71*
10 23	19 2.54	−30 1.6	1.880	1.873	30.8	21.3	74 E	15*	68*
10 28	19 13.10	−29 35.6	1.911	1.855	30.6	21.3	72 E	15*	66*
11 2	19 24.05	−29 6.3	1.941	1.837	30.3	21.3	69 E	15*	63*
11 7	19 35.35	−28 33.5	1.970	1.821	30.0	21.3	67 E	16*	60*
11 12	19 46.96	−27 57.0	1.998	1.804	29.6	21.3	64 E	16*	58*
11 17	19 58.83	−27 16.6	2.026	1.788	29.2	21.3	62 E	17*	55*
11 22	20 10.92	−26 32.3	2.052	1.773	28.8	21.3	60 E	18*	52*
11 27	20 23.21	−25 43.8	2.078	1.758	28.3	21.3	58 E	18*	50*
12 2	20 35.66	−24 51.2	2.103	1.744	27.8	21.3	55 E	19*	47*
12 7	20 48.25	−23 54.4	2.127	1.731	27.2	21.2	53 E	19*	44*
12 12	21 0.94	−22 53.5	2.150	1.719	26.6	21.2	51 E	20*	42*
12 17	21 13.71	−21 48.5	2.173	1.707	26.0	21.2	50 E	21*	39*
12 22	21 26.53	−20 39.6	2.195	1.696	25.4	21.2	48 E	21*	37*
12 27	21 39.39	−19 26.9	2.216	1.686	24.7	21.2	46 E	22*	34*
1 1	21 52.28	−18 10.6	2.238	1.676	24.1	21.2	44 E	22*	32*
1 6	22 5.17	−16 50.8	2.258	1.668	23.4	21.2	42 E	22*	30*
1 11	22 18.07	−15 27.9	2.279	1.660	22.7	21.2	41 E	22*	28*
1 16	22 30.95	−14 2.1	2.299	1.654	21.9	21.2	39 E	22*	26*
1 21	22 43.81	−12 33.8	2.319	1.648	21.2	21.1	37 E	22*	24*
162741 2000 WG_6									
5 16	18 52.85	−29 59.6	1.663	2.467	17.4	21.3	133 W	15	86
5 26	18 49.37	−31 11.4	1.525	2.414	14.5	20.9	143 W	14	85
6 5	18 42.09	−32 31.1	1.407	2.359	11.0	20.6	154 W	12	83
6 15	18 30.97	−33 53.0	1.311	2.303	7.2	20.2	164 W	11	82
6 20	18 24.13	−34 32.1	1.273	2.275	5.7	20.1	167 W	10	81
6 25	18 16.63	−35 8.4	1.241	2.246	5.3	20.0	168 W	10	81
6 30	18 8.65	−35 40.8	1.216	2.216	6.3	19.9	166 E	9	80
7 5	18 0.43	−36 8.4	1.197	2.187	8.2	20.0	162 E	9	80
7 10	17 52.24	−36 30.5	1.185	2.157	10.7	20.0	157 E	8	79
7 15	17 44.38	−36 47.0	1.179	2.127	13.3	20.1	151 E	8	79
7 20	17 37.12	−36 58.2	1.178	2.096	15.9	20.1	146 E	8	79

21/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
	h m	° ′			°	m	°	°	°
162741 2000 WG_6 *(continuation)*									
7 25	17 30.68	−37 4.6	1.182	2.066	18.5	20.2	140 E	8	79
7 30	17 25.24	−37 7.0	1.191	2.035	20.9	20.2	134 E	8	79
8 4	17 20.94	−37 6.2	1.203	2.003	23.2	20.3	129 E	8	79
8 9	17 17.87	−37 3.2	1.218	1.972	25.3	20.4	124 E	8	79
8 14	17 16.10	−36 58.8	1.236	1.940	27.2	20.4	119 E	8	79
8 24	17 16.40	−36 48.0	1.276	1.876	30.5	20.5	110 E	8*	79
9 3	17 21.63	−36 37.0	1.319	1.811	33.1	20.6	101 E	8*	79
9 13	17 31.44	−36 25.8	1.361	1.746	35.1	20.6	94 E	8*	79*
9 23	17 45.42	−36 12.9	1.399	1.681	36.6	20.6	87 E	8*	77*
10 3	18 3.15	−35 54.8	1.432	1.616	37.7	20.6	81 E	8*	73*
10 13	18 24.30	−35 27.4	1.459	1.552	38.5	20.6	76 E	9*	69*
10 23	18 48.50	−34 45.5	1.478	1.490	39.2	20.6	71 E	9*	65*
11 2	19 15.36	−33 44.0	1.490	1.430	39.7	20.5	67 E	11*	61*
11 12	19 44.52	−32 17.6	1.495	1.373	40.1	20.4	63 E	12*	57*
11 22	20 15.51	−30 21.5	1.495	1.320	40.5	20.4	60 E	14*	54*
12 2	20 47.88	−27 51.9	1.490	1.273	40.9	20.3	58 E	16*	50*
12 12	21 21.23	−24 46.5	1.483	1.232	41.2	20.2	56 E	19*	47*
12 22	21 55.14	−21 5.0	1.475	1.200	41.6	20.2	54 E	22*	43*
12 27	22 12.21	−19 1.3	1.472	1.187	41.7	20.1	53 E	24*	42*
1 1	22 29.34	−16 49.6	1.470	1.176	41.8	20.1	53 E	26*	40*
1 6	22 46.49	−14 30.5	1.469	1.168	41.9	20.1	52 E	28*	38*
1 11	23 3.67	−12 5.0	1.469	1.163	41.9	20.1	52 E	30*	37*
1 16	23 20.85	− 9 34.1	1.472	1.161	41.8	20.1	52 E	31*	35*
1 21	23 38.04	− 6 58.9	1.476	1.161	41.7	20.1	52 E	33*	34*
530540 2011 OY_{39}									
5 16	18 57.62	−14 20.8	1.239	2.045	22.1	21.3	130 W	31	78
5 26	18 58.64	−13 49.5	1.131	2.011	19.1	21.0	139 W	31	78
6 5	18 56.31	−13 27.2	1.037	1.978	15.3	20.6	149 W	32	77
6 15	18 50.66	−13 17.4	0.962	1.945	10.7	20.2	159 W	32	77
6 25	18 42.25	−13 22.8	0.906	1.912	6.3	19.9	168 W	32	77
7 5	18 32.24	−13 44.1	0.871	1.880	5.8	19.7	169 E	31	78
7 10	18 27.12	−14 0.5	0.862	1.864	7.8	19.8	166 E	31	78
7 15	18 22.24	−14 20.3	0.858	1.849	10.4	19.9	161 E	31	78
7 20	18 17.83	−14 43.2	0.860	1.834	13.2	20.0	156 E	30	79
7 25	18 14.08	−15 8.7	0.865	1.819	16.0	20.1	150 E	30	79
7 30	18 11.16	−15 36.0	0.875	1.804	18.7	20.2	145 E	29	80
8 4	18 9.17	−16 4.9	0.889	1.790	21.3	20.3	140 E	29	80
8 14	18 8.40	−17 5.0	0.927	1.763	25.9	20.4	131 E	28	81
8 24	18 12.06	−18 4.6	0.976	1.737	29.6	20.6	122 E	27	82
9 3	18 19.98	−18 59.8	1.032	1.714	32.5	20.8	114 E	26	83
9 13	18 31.83	−19 47.2	1.094	1.692	34.6	21.0	107 E	25	84
9 23	18 47.11	−20 23.2	1.159	1.673	36.0	21.1	101 E	25	84
10 3	19 5.29	−20 45.0	1.227	1.657	37.0	21.2	96 E	24	85*
10 13	19 25.90	−20 50.0	1.298	1.643	37.4	21.4	90 E	24	82*
10 23	19 48.44	−20 36.5	1.369	1.632	37.4	21.5	86 E	24	77*
495829 1995 LG									
5 16	19 7.09	−53 42.2	1.085	1.870	25.8	21.4	126 W	—	62
5 21	18 50.10	−54 18.0	1.047	1.880	23.6	21.3	132 W	—	62
5 26	18 29.93	−54 38.1	1.014	1.889	21.3	21.1	137 W	—	61
5 31	18 7.07	−54 35.8	0.987	1.895	18.9	21.0	143 W	—	61
6 5	17 42.50	−54 5.3	0.967	1.901	16.9	20.9	147 W	—	62
6 10	17 17.54	−53 3.3	0.956	1.904	15.5	20.9	150 W	—	63
6 15	16 53.64	−51 30.3	0.954	1.906	15.1	20.8	151 E	—	64
6 20	16 31.97	−49 31.1	0.960	1.906	15.8	20.9	149 E	—	66
6 25	16 13.24	−47 13.0	0.975	1.905	17.4	21.0	146 E	—	69
6 30	15 57.70	−44 44.4	0.998	1.902	19.5	21.1	141 E	—	71
7 5	15 45.24	−42 12.9	1.029	1.897	21.8	21.2	136 E	3	74
7 10	15 35.63	−39 44.6	1.066	1.891	24.2	21.4	130 E	5	76
7 15	15 28.51	−37 24.0	1.109	1.883	26.4	21.5	125 E	7*	79
396618 2001 SW_{325}									
5 16	19 8.60	−17 33.1	1.353	2.134	21.8	21.5	129 W	27	82
5 26	19 9.63	−17 23.2	1.237	2.101	18.9	21.1	138 W	28	81
6 5	19 7.34	−17 22.4	1.137	2.068	15.2	20.8	148 W	28	81
6 15	19 1.66	−17 32.4	1.055	2.035	10.5	20.4	159 W	27	82
6 25	18 53.05	−17 53.2	0.994	2.002	5.3	20.0	169 W	27	82
6 30	18 47.94	−18 7.3	0.971	1.985	3.0	19.8	174 W	27	82
7 5	18 42.52	−18 23.3	0.954	1.969	2.8	19.8	175 E	27	82
7 10	18 37.01	−18 41.0	0.943	1.953	5.2	19.9	170 E	26	83
7 15	18 31.63	−18 59.9	0.938	1.936	8.1	20.0	164 E	26	83
7 20	18 26.62	−19 19.7	0.938	1.921	11.1	20.1	159 E	26	83
7 25	18 22.19	−19 40.0	0.943	1.905	14.0	20.2	153 E	25	84
7 30	18 18.51	−20 0.5	0.953	1.889	16.8	20.3	147 E	25	84
8 4	18 15.72	−20 20.9	0.967	1.874	19.5	20.4	142 E	25	84

21/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
	h m	° ′			°	m	°	°	°
396618 2001 SW_{325} *(continuation)*									
8 14	18 13.22	−21 0.8	1.006	1.844	24.1	20.6	132 E	24	85
8 24	18 15.09	−21 38.1	1.056	1.815	28.0	20.8	123 E	23	86
9 3	18 21.23	−22 10.9	1.115	1.787	30.9	20.9	114 E	23	86
9 13	18 31.34	−22 37.0	1.179	1.761	33.1	21.1	107 E	22	87
9 23	18 44.96	−22 53.9	1.247	1.736	34.6	21.2	100 E	22	87
10 3	19 1.56	−22 59.2	1.316	1.714	35.6	21.3	94 E	22	86*
10 13	19 20.70	−22 50.6	1.387	1.694	36.1	21.4	89 E	22	82*
457498 2008 VP_2									
5 16	19 15.83	−31 12.4	1.343	2.123	22.0	21.2	128 W	14	85
5 26	19 17.83	−32 9.9	1.226	2.085	19.3	20.9	137 W	13	84
6 5	19 16.07	−33 15.6	1.123	2.047	15.9	20.6	147 W	12	83
6 15	19 10.24	−34 25.4	1.038	2.009	11.8	20.2	156 W	11	82
6 20	19 5.86	−34 59.2	1.003	1.990	9.8	20.0	161 W	10	81
6 25	19 0.62	−35 30.8	0.973	1.971	8.0	19.9	164 W	9	80
6 30	18 54.69	−35 58.7	0.949	1.952	7.0	19.8	167 W	9	80
7 5	18 48.26	−36 21.7	0.930	1.933	7.1	19.7	166 E	9	80
7 10	18 41.59	−36 38.8	0.917	1.914	8.6	19.7	164 E	8	79
7 15	18 35.01	−36 49.4	0.909	1.896	10.7	19.8	160 E	8	79
7 20	18 28.82	−36 53.1	0.907	1.877	13.3	19.8	155 E	8	79
7 25	18 23.29	−36 50.4	0.909	1.859	15.9	19.9	150 E	8	79
7 30	18 18.67	−36 41.8	0.915	1.840	18.6	20.0	145 E	8	79
8 4	18 15.12	−36 28.2	0.926	1.822	21.1	20.1	140 E	9	80
8 9	18 12.80	−36 10.4	0.940	1.804	23.5	20.2	135 E	9	80
8 14	18 11.78	−35 49.4	0.957	1.787	25.7	20.2	130 E	9	80
8 24	18 13.69	−35 0.5	0.999	1.752	29.5	20.4	121 E	10	81
9 3	18 20.58	−34 5.3	1.048	1.720	32.6	20.6	113 E	11	82
9 13	18 31.93	−33 4.7	1.101	1.688	34.9	20.7	106 E	12	83
9 23	18 47.09	−31 57.7	1.158	1.659	36.5	20.8	100 E	13	84
10 3	19 5.36	−30 42.0	1.216	1.633	37.7	20.9	94 E	14	85*
10 13	19 26.15	−29 15.1	1.274	1.608	38.3	21.0	89 E	16	83*
10 23	19 48.87	−27 34.6	1.333	1.587	38.6	21.1	85 E	17	79*
11 2	20 13.01	−25 39.1	1.393	1.569	38.6	21.1	80 E	19	74*
11 12	20 38.16	−23 27.4	1.453	1.554	38.3	21.2	76 E	22	68*
11 22	21 3.93	−20 59.9	1.514	1.543	37.7	21.3	73 E	24	63*
12 2	21 30.03	−18 17.3	1.576	1.535	36.9	21.3	69 E	27*	57*
12 12	21 56.27	−15 21.4	1.639	1.532	36.0	21.4	66 E	30*	52*
12 22	22 22.49	−12 14.5	1.705	1.532	34.9	21.4	63 E	32*	46*
1 1	22 48.61	− 8 59.4	1.773	1.537	33.6	21.5	60 E	35*	41*
523593 2001 TZ_1									
5 16	19 20.69	+44 28.7	0.989	1.506	41.7	21.5	98 W	89	20
5 21	19 29.77	+47 36.3	0.969	1.477	42.9	21.4	96 W	87	16
5 26	19 38.98	+50 37.2	0.951	1.448	44.2	21.4	95 W	84	13
5 31	19 48.38	+53 30.3	0.935	1.420	45.5	21.3	93 W	81	10
6 5	19 58.04	+56 14.6	0.919	1.392	46.8	21.3	92 W	79	8
6 10	20 8.07	+58 49.3	0.903	1.365	48.1	21.3	91 W	76	5
6 15	20 18.59	+61 13.8	0.887	1.339	49.4	21.2	89 W	74	3
6 20	20 29.82	+63 27.6	0.870	1.313	50.7	21.2	88 W	72	1
6 25	20 41.97	+65 30.7	0.851	1.288	52.0	21.1	87 W	69	—
6 30	20 55.33	+67 22.9	0.831	1.265	53.3	21.1	86 W	68	—
7 5	21 10.17	+69 4.0	0.809	1.243	54.6	21.0	85 W	66	—
7 10	21 26.86	+70 33.3	0.785	1.222	55.9	20.9	84 W	64	—
7 15	21 45.79	+71 50.0	0.758	1.203	57.2	20.9	84 W	63	—
7 20	22 7.37	+72 52.6	0.729	1.186	58.4	20.8	84 W	62	—
7 25	22 31.87	+73 39.3	0.697	1.171	59.6	20.7	84 W	61	—
7 30	22 59.29	+74 7.4	0.662	1.158	60.8	20.6	85 W	61	—
8 4	23 29.18	+74 13.2	0.625	1.147	61.9	20.5	85 W	61	—
8 6	23 41.64	+74 8.2	0.609	1.143	62.2	20.4	86 W	61	—
8 8	23 54.26	+73 58.6	0.593	1.140	62.6	20.4	86 W	61	—
8 10	0 6.96	+73 44.0	0.577	1.137	62.9	20.3	87 W	61	—
8 12	0 19.65	+73 24.1	0.560	1.134	63.2	20.3	87 W	62	—
8 14	0 32.22	+72 58.3	0.543	1.132	63.4	20.2	88 W	62	—
8 16	0 44.58	+72 26.3	0.526	1.130	63.6	20.1	89 W	63	—
8 18	0 56.64	+71 47.5	0.508	1.129	63.8	20.1	89 W	63	—
8 20	1 8.31	+71 1.6	0.490	1.128	63.8	20.0	90 W	64	—
8 22	1 19.53	+70 7.9	0.472	1.127	63.8	19.9	91 W	65	—
8 24	1 30.24	+69 5.7	0.454	1.127	63.7	19.8	93 W	66	—
8 26	1 40.38	+67 54.3	0.436	1.127	63.5	19.7	94 W	67	—
8 28	1 49.92	+66 32.6	0.418	1.128	63.1	19.6	95 W	68	—
8 30	1 58.83	+64 59.8	0.400	1.129	62.7	19.5	97 W	70	—
9 1	2 7.11	+63 14.4	0.382	1.130	62.0	19.4	98 W	72	1
9 3	2 14.75	+61 15.1	0.365	1.132	61.3	19.3	100 W	74	3
9 5	2 21.76	+59 0.2	0.347	1.134	60.3	19.1	102 W	76	5
9 7	2 28.15	+56 27.8	0.330	1.137	59.1	19.0	105 W	79	8
9 9	2 33.92	+53 35.9	0.314	1.140	57.6	18.8	107 W	81	10
9 11	2 39.12	+50 22.4	0.299	1.144	55.9	18.7	110 W	85	14
9 13	2 43.75	+46 45.3	0.284	1.147	53.9	18.5	113 W	88	17
9 15	2 47.85	+42 43.0	0.271	1.152	51.6	18.4	116 W	88	21
9 17	2 51.44	+38 14.5	0.260	1.156	49.0	18.2	120 W	83	26

21/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
	h m	° ′			°	m	°	°	°
523593 2001 TZ_1 *(continuation)*									
9 19	2 54.55	+33 20.0	0.250	1.161	46.2	18.1	123 W	78	31
9 21	2 57.19	+28 1.5	0.242	1.166	43.3	17.9	127 W	73	36
9 23	2 59.40	+22 22.7	0.237	1.172	40.4	17.8	131 W	67	42
9 24	3 0.35	+19 27.6	0.235	1.175	38.9	17.8	133 W	64	45
9 25	3 1.20	+16 29.8	0.234	1.178	37.6	17.7	134 W	61	48
9 26	3 1.94	+13 30.5	0.233	1.181	36.3	17.7	136 W	59	50
9 27	3 2.60	+10 30.7	0.233	1.184	35.1	17.7	137 W	56	53
9 28	3 3.16	+ 7 31.4	0.234	1.187	34.1	17.6	138 W	53	56
9 29	3 3.62	+ 4 33.9	0.236	1.191	33.2	17.6	139 W	50	59
9 30	3 4.01	+ 1 39.2	0.238	1.194	32.5	17.6	140 W	47	62
10 1	3 4.31	− 1 11.8	0.241	1.198	31.9	17.7	141 W	44	65
10 2	3 4.52	− 3 58.2	0.244	1.201	31.5	17.7	141 W	41	68
10 3	3 4.66	− 6 39.3	0.248	1.205	31.2	17.7	141 W	38	71
10 5	3 4.72	−11 43.5	0.258	1.212	31.2	17.8	141 W	33	76
10 7	3 4.51	−16 21.3	0.270	1.220	31.6	17.9	140 W	29	80
10 9	3 4.05	−20 31.6	0.284	1.228	32.2	18.1	139 W	24	85
10 11	3 3.37	−24 14.8	0.300	1.236	33.1	18.2	138 W	21	88
10 13	3 2.51	−27 32.3	0.316	1.245	34.0	18.4	136 W	17	88
10 15	3 1.49	−30 26.1	0.334	1.253	34.8	18.5	134 W	15	86
10 17	3 0.33	−32 58.3	0.353	1.262	35.7	18.7	132 W	12	83
10 19	2 59.06	−35 11.2	0.373	1.271	36.4	18.9	131 W	10	81
10 21	2 57.70	−37 6.9	0.394	1.281	37.1	19.0	129 W	8	79
10 23	2 56.28	−38 47.4	0.414	1.290	37.7	19.2	128 W	6	77
10 25	2 54.82	−40 14.2	0.436	1.300	38.2	19.3	126 W	5	76
10 27	2 53.33	−41 28.9	0.458	1.310	38.6	19.4	125 W	4	75
10 29	2 51.83	−42 32.9	0.480	1.320	38.9	19.6	123 W	2	73
10 31	2 50.35	−43 27.3	0.503	1.330	39.2	19.7	122 W	2	73
11 2	2 48.91	−44 13.1	0.525	1.340	39.4	19.8	121 W	1	72
11 4	2 47.51	−44 51.2	0.548	1.351	39.6	19.9	120 W	—	71
11 6	2 46.18	−45 22.3	0.571	1.362	39.7	20.0	119 W	—	71
11 8	2 44.93	−45 47.1	0.595	1.372	39.7	20.1	118 E	—	70
11 10	2 43.77	−46 6.3	0.618	1.383	39.8	20.2	117 E	—	70
11 12	2 42.72	−46 20.4	0.641	1.394	39.7	20.3	116 E	—	70
11 17	2 40.58	−46 36.4	0.700	1.422	39.6	20.6	114 E	—	69
11 22	2 39.21	−46 29.7	0.759	1.450	39.3	20.8	112 E	—	70
11 27	2 38.64	−46 4.7	0.818	1.479	38.9	21.0	110 E	—	70
12 2	2 38.87	−45 24.9	0.878	1.508	38.5	21.1	108 E	—	71
12 7	2 39.89	−44 33.0	0.937	1.538	38.0	21.3	106 E	—	71
12 12	2 41.68	−43 31.4	0.996	1.567	37.4	21.5	105 E	1	72
313041 2000 QN_{70}									
5 16	19 26.24	+ 5 25.3	2.103	2.718	19.3	21.5	117 W	50	59
5 26	19 24.95	+ 6 24.0	1.979	2.692	17.9	21.3	125 W	51	58
6 5	19 21.14	+ 7 8.6	1.869	2.666	16.2	21.1	133 W	52	57
6 15	19 14.90	+ 7 33.5	1.775	2.638	14.2	20.9	140 W	53	56
6 25	19 6.60	+ 7 32.8	1.701	2.610	12.4	20.7	147 W	53	56
7 5	18 56.90	+ 7 3.0	1.650	2.582	11.3	20.5	150 W	52	57
7 15	18 46.73	+ 6 2.4	1.622	2.552	11.6	20.5	150 E	51	58
7 25	18 37.19	+ 4 33.8	1.618	2.521	13.2	20.5	145 E	50	59
8 4	18 29.27	+ 2 43.0	1.637	2.490	15.6	20.6	139 E	48	61
8 14	18 23.72	+ 0 37.5	1.676	2.458	18.2	20.7	131 E	46	63
8 24	18 21.03	− 1 34.7	1.733	2.426	20.7	20.8	122 E	43	66
9 3	18 21.34	− 3 46.8	1.802	2.393	22.7	21.0	114 E	41	68
9 13	18 24.62	− 5 53.7	1.881	2.359	24.3	21.1	106 E	39	70
9 23	18 30.70	− 7 51.7	1.967	2.325	25.3	21.2	98 E	37*	72
10 3	18 39.32	− 9 38.4	2.056	2.290	25.9	21.2	90 E	35*	72*
10 13	18 50.26	−11 12.3	2.145	2.255	26.1	21.3	83 E	34*	69*
10 23	19 3.24	−12 32.3	2.232	2.220	25.8	21.4	76 E	32*	64*
11 2	19 18.02	−13 37.9	2.316	2.184	25.3	21.4	70 E	30*	58*
11 12	19 34.39	−14 28.6	2.395	2.148	24.4	21.4	64 E	29*	51*
11 22	19 52.15	−15 4.1	2.467	2.112	23.3	21.4	58 E	28*	45*
12 2	20 11.11	−15 24.6	2.532	2.076	22.0	21.4	52 E	27*	39*
12 12	20 31.10	−15 30.0	2.589	2.040	20.5	21.3	46 E	25*	33*
12 22	20 51.97	−15 20.8	2.638	2.005	18.8	21.3	41 E	23*	27*
1 1	21 13.59	−14 57.3	2.678	1.970	17.1	21.2	36 E	21*	22*
1 11	21 35.86	−14 20.2	2.709	1.935	15.2	21.1	31 E	18*	18*
1 21	21 58.67	−13 30.5	2.731	1.902	13.3	21.1	26 E	15*	14*
194263 2001 UL									
5 16	19 36.53	+ 5 25.9	2.345	2.917	18.3	21.4	115 W	50*	59
5 26	19 34.94	+ 6 46.2	2.230	2.905	17.1	21.3	123 W	52	57
6 5	19 31.02	+ 7 55.7	2.128	2.892	15.5	21.1	131 W	53	56
6 15	19 24.86	+ 8 49.3	2.043	2.878	13.7	20.9	138 W	54	55
6 25	19 16.83	+ 9 21.8	1.978	2.863	12.1	20.8	144 W	54	55
7 5	19 7.55	+ 9 29.5	1.936	2.847	11.0	20.7	148 W	54	55
7 15	18 57.81	+ 9 10.3	1.918	2.830	11.0	20.7	148 E	54	55
7 25	18 48.57	+ 8 25.1	1.923	2.812	12.1	20.7	144 E	53	56
8 4	18 40.67	+ 7 18.0	1.951	2.793	13.9	20.8	138 E	52	57
8 14	18 34.78	+ 5 54.5	2.000	2.773	16.0	20.9	131 E	51	58
8 24	18 31.34	+ 4 20.9	2.067	2.753	17.9	21.0	123 E	49	60

21/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
	h m	° ′			°	m	°	°	°
194263 2001 *UL* *(continuation)*									
9 3	18 30.50	+ 2 43.4	2.147	2.731	19.6	21.1	115 E	48	61
9 13	18 32.25	+ 1 6.7	2.237	2.708	20.8	21.2	107 E	46	63
9 23	18 36.45	− 0 25.2	2.335	2.685	21.7	21.3	99 E	45	64
10 3	18 42.88	− 1 49.6	2.436	2.660	22.1	21.4	92 E	43*	65*
10 13	18 51.33	− 3 4.5	2.538	2.635	22.1	21.5	84 E	42*	63*
331785 Sumners									
5 16	19 42.16	− 0 3.6	2.286	2.872	18.5	21.4	116 W	45*	64
5 26	19 38.78	+ 1 35.6	2.218	2.913	16.7	21.3	124 W	47	62
6 5	19 33.08	+ 3 3.9	2.166	2.953	14.5	21.2	133 W	48	61
6 15	19 25.34	+ 4 17.0	2.132	2.992	12.3	21.2	141 W	49	60
6 25	19 16.15	+ 5 10.9	2.122	3.031	10.3	21.1	148 W	50	59
7 5	19 6.23	+ 5 43.2	2.137	3.068	9.1	21.1	151 W	51	58
7 15	18 56.43	+ 5 53.3	2.177	3.105	9.2	21.2	151 E	51	58
7 25	18 47.57	+ 5 42.8	2.244	3.140	10.3	21.3	146 E	51	58
8 4	18 40.29	+ 5 15.6	2.334	3.175	12.0	21.5	140 E	50	59
533736 2014 OG_3									
5 16	19 43.09	−29 31.1	1.694	2.392	21.0	21.3	122 W	15*	86
5 26	19 42.54	−28 40.5	1.560	2.359	18.7	21.0	132 W	16	87
6 5	19 38.38	−27 43.7	1.441	2.326	15.5	20.7	142 W	17	88
6 15	19 30.52	−26 37.6	1.340	2.293	11.5	20.3	153 W	18	89
6 25	19 19.37	−25 19.1	1.261	2.259	6.6	20.0	165 W	20	89
6 30	19 12.85	−24 34.6	1.232	2.242	3.9	19.8	171 W	20	89
7 5	19 5.92	−23 46.8	1.209	2.225	1.1	19.5	178 W	21	88
7 10	18 58.80	−22 55.8	1.192	2.208	1.9	19.5	176 E	22	87
7 15	18 51.71	−22 2.3	1.183	2.190	4.9	19.7	169 E	23	86
7 20	18 44.90	−21 7.2	1.181	2.173	7.8	19.8	163 E	24	85
7 25	18 38.57	−20 11.3	1.185	2.156	10.7	19.9	157 E	25	84
7 30	18 32.89	−19 15.8	1.195	2.139	13.4	20.0	151 E	26	83
8 4	18 28.01	−18 21.4	1.210	2.121	16.0	20.1	145 E	27	82
8 9	18 24.04	−17 29.0	1.231	2.104	18.4	20.2	139 E	28	81
8 14	18 21.04	−16 39.2	1.255	2.087	20.6	20.3	134 E	28	81
8 24	18 18.08	−15 8.3	1.316	2.053	24.3	20.5	123 E	30	79
9 3	18 19.04	−13 49.3	1.387	2.019	27.2	20.7	114 E	31	78
9 13	18 23.61	−12 40.4	1.464	1.985	29.3	20.8	105 E	32	77
9 23	18 31.40	−11 38.4	1.544	1.952	30.6	20.9	98 E	33*	76
10 3	18 41.95	−10 40.1	1.624	1.920	31.4	21.0	91 E	34*	73*
10 13	18 54.93	− 9 42.0	1.702	1.888	31.7	21.1	84 E	35*	68*
10 23	19 9.97	− 8 40.9	1.778	1.858	31.7	21.1	79 E	36*	63*
11 2	19 26.78	− 7 34.5	1.849	1.829	31.3	21.2	73 E	37*	56*
11 12	19 45.15	− 6 20.5	1.915	1.802	30.7	21.2	68 E	38*	50*
11 22	20 4.85	− 4 57.2	1.977	1.776	29.9	21.2	64 E	38*	43*
12 2	20 25.70	− 3 23.6	2.033	1.752	29.0	21.2	59 E	39*	37*
12 12	20 47.58	− 1 39.1	2.086	1.731	28.0	21.2	56 E	40*	30*
12 22	21 10.35	+ 0 16.6	2.134	1.711	26.9	21.2	52 E	39*	25*
1 1	21 33.93	+ 2 22.6	2.179	1.695	25.7	21.2	48 E	39*	19*
1 11	21 58.24	+ 4 38.2	2.221	1.680	24.6	21.2	45 E	38*	15*
1 21	22 23.23	+ 7 1.7	2.261	1.669	23.4	21.2	42 E	36*	11*
138131 2000 ES_{20}									
5 16	19 43.93	+ 6 32.8	2.496	3.033	17.9	21.4	113 W	51*	57
5 26	19 43.01	+ 7 43.8	2.367	3.011	16.8	21.3	121 W	53	56
6 5	19 39.85	+ 8 44.4	2.251	2.988	15.5	21.1	128 W	54	55
6 15	19 34.51	+ 9 29.6	2.150	2.964	13.8	20.9	136 W	54	55
6 25	19 27.26	+ 9 54.6	2.069	2.939	12.2	20.8	142 W	55	54
7 5	19 18.58	+ 9 55.2	2.009	2.913	11.0	20.6	147 W	55	54
7 15	19 9.19	+ 9 29.2	1.973	2.887	10.7	20.6	148 E	54	55
7 25	18 59.98	+ 8 36.9	1.961	2.859	11.5	20.5	146 E	54	55
8 4	18 51.81	+ 7 21.8	1.973	2.831	13.1	20.6	141 E	52	57
8 14	18 45.41	+ 5 49.1	2.006	2.802	15.2	20.7	134 E	51	58
8 24	18 41.33	+ 4 5.4	2.059	2.772	17.3	20.8	126 E	49	60
9 3	18 39.78	+ 2 17.0	2.127	2.741	19.1	20.9	117 E	47	62
9 13	18 40.85	+ 0 29.3	2.206	2.709	20.5	21.0	109 E	45	64
9 23	18 44.45	− 1 13.4	2.294	2.677	21.6	21.1	101 E	44	65
10 3	18 50.39	− 2 48.1	2.387	2.644	22.2	21.2	93 E	42*	66*
10 13	18 58.48	− 4 12.9	2.481	2.609	22.4	21.2	86 E	41*	64*
10 23	19 8.48	− 5 26.2	2.575	2.575	22.3	21.3	79 E	39*	60*
11 2	19 20.16	− 6 27.4	2.665	2.539	21.8	21.3	72 E	38*	54*
11 12	19 33.33	− 7 15.8	2.751	2.503	21.0	21.3	65 E	36*	48*
11 22	19 47.79	− 7 51.2	2.829	2.466	20.0	21.3	59 E	35*	41*
12 2	20 3.37	− 8 13.6	2.900	2.429	18.8	21.3	53 E	33*	34*
12 12	20 19.92	− 8 23.2	2.961	2.391	17.4	21.3	46 E	31*	27*
12 22	20 37.30	− 8 20.2	3.013	2.353	15.8	21.2	41 E	28*	21*
1 1	20 55.38	− 8 5.3	3.053	2.314	14.0	21.1	35 E	25*	15*
1 11	21 14.09	− 7 38.8	3.083	2.275	12.2	21.1	29 E	21*	10*
1 21	21 33.31	− 7 1.6	3.101	2.236	10.2	21.0	24 E	17*	6*

21/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
	h m	° ′			°	m	°	°	°
189011 Ogmios									
5 16	20 6.05	−13 28.9	0.891	1.598	35.3	21.2	114 W	31*	77
5 21	20 10.68	−11 27.8	0.839	1.583	34.6	21.0	117 W	33*	75
5 26	20 14.52	− 9 16.7	0.789	1.568	33.9	20.9	120 W	36*	73
5 31	20 17.47	− 6 55.2	0.742	1.552	33.0	20.7	124 W	38*	71
6 5	20 19.45	− 4 22.8	0.697	1.536	32.0	20.5	127 W	41	68
6 10	20 20.37	− 1 39.5	0.656	1.521	30.9	20.3	130 W	43	66
6 15	20 20.13	+ 1 14.2	0.618	1.504	29.8	20.1	133 W	46	63
6 20	20 18.67	+ 4 17.4	0.584	1.488	28.8	20.0	135 W	49	60
6 25	20 15.94	+ 7 28.2	0.553	1.472	28.0	19.8	137 W	52	57
6 30	20 11.90	+10 43.9	0.527	1.455	27.5	19.7	139 W	56	53
7 5	20 6.54	+14 0.7	0.505	1.438	27.4	19.5	139 W	59	50
7 10	19 59.92	+17 13.7	0.487	1.421	27.9	19.4	139 W	62	47
7 15	19 52.20	+20 17.6	0.474	1.405	29.0	19.4	138 W	65	44
7 20	19 43.65	+23 7.4	0.464	1.388	30.5	19.4	136 E	68	41
7 25	19 34.59	+25 38.8	0.457	1.371	32.5	19.4	133 E	71	38
7 30	19 25.37	+27 48.8	0.454	1.355	34.7	19.4	131 E	73	36
8 4	19 16.41	+29 35.7	0.453	1.339	37.1	19.4	127 E	75	34
8 9	19 8.10	+30 59.2	0.454	1.322	39.5	19.5	124 E	76	33
8 14	19 0.85	+32 0.7	0.456	1.307	41.8	19.5	121 E	77	32
8 19	18 54.93	+32 42.5	0.459	1.291	43.9	19.6	118 E	78	31
8 24	18 50.54	+33 7.5	0.463	1.276	46.0	19.6	115 E	78	31
8 29	18 47.78	+33 18.2	0.466	1.262	47.8	19.6	112 E	78	31
9 3	18 46.71	+33 17.1	0.469	1.248	49.5	19.7	110 E	78	31
9 8	18 47.37	+33 6.1	0.472	1.235	51.1	19.7	108 E	78	31
9 13	18 49.76	+32 47.5	0.474	1.223	52.4	19.7	106 E	78	31
9 18	18 53.85	+32 22.8	0.474	1.211	53.6	19.8	104 E	77	32
9 23	18 59.58	+31 53.2	0.474	1.200	54.7	19.8	103 E	77	32
9 28	19 6.92	+31 19.0	0.473	1.190	55.6	19.8	102 E	76	33
10 3	19 15.86	+30 40.7	0.470	1.181	56.4	19.8	101 E	76	33
10 8	19 26.40	+29 58.3	0.467	1.174	57.0	19.8	100 E	75	34*
10 13	19 38.55	+29 12.1	0.463	1.167	57.5	19.7	99 E	74	35*
10 18	19 52.29	+28 21.7	0.459	1.161	57.9	19.7	99 E	73	35*
10 23	20 7.59	+27 26.7	0.454	1.157	58.1	19.7	99 E	72	36*
10 28	20 24.43	+26 26.4	0.450	1.154	58.2	19.7	99 E	71	37*
11 2	20 42.77	+25 20.2	0.446	1.152	58.2	19.6	99 E	70	38*
11 7	21 2.55	+24 7.9	0.443	1.152	58.0	19.6	100 E	69	39*
11 12	21 23.63	+22 49.7	0.442	1.153	57.7	19.6	100 E	68	40*
11 17	21 45.81	+21 26.0	0.442	1.155	57.3	19.6	101 E	66	41*
11 22	22 8.83	+19 57.7	0.445	1.158	56.8	19.6	101 E	65	42*
11 27	22 32.42	+18 26.1	0.451	1.163	56.3	19.6	101 E	63	44*
12 2	22 56.28	+16 53.4	0.460	1.169	55.7	19.7	102 E	62	45*
12 7	23 20.14	+15 22.0	0.472	1.176	55.1	19.7	102 E	60	47*
12 12	23 43.70	+13 54.4	0.488	1.184	54.5	19.8	102 E	59	48*
12 17	0 6.73	+12 32.8	0.507	1.193	53.9	19.9	101 E	58	50*
12 22	0 29.06	+11 18.7	0.530	1.203	53.4	20.0	101 E	56	51*
12 27	0 50.56	+10 13.1	0.556	1.214	52.8	20.1	100 E	55	52*
1 1	1 11.20	+ 9 16.5	0.585	1.226	52.2	20.2	100 E	54	53*
1 6	1 30.99	+ 8 29.3	0.617	1.239	51.7	20.3	99 E	53	53*
1 11	1 49.94	+ 7 50.9	0.652	1.252	51.1	20.5	98 E	53	54*
1 16	2 8.09	+ 7 20.6	0.689	1.266	50.5	20.6	97 E	52	54*
1 21	2 25.51	+ 6 57.6	0.728	1.281	49.9	20.7	96 E	52	54*
494838 2007 UU_{104}									
5 16	20 7.30	−25 40.1	1.393	2.053	26.2	21.4	116 W	19*	90
5 26	20 16.38	−26 27.2	1.263	2.014	24.6	21.1	124 W	18*	90
6 5	20 22.99	−27 31.9	1.144	1.975	22.4	20.7	132 W	17	88
6 15	20 26.58	−28 56.3	1.039	1.936	19.3	20.4	141 W	16	87
6 25	20 26.71	−30 39.9	0.949	1.898	15.6	20.0	150 W	14	85
6 30	20 25.40	−31 37.5	0.911	1.880	13.6	19.9	154 W	13	84
7 5	20 23.15	−32 37.6	0.878	1.861	11.6	19.7	158 W	12	83
7 10	20 20.00	−33 38.5	0.849	1.843	9.8	19.5	162 W	11	82
7 15	20 16.06	−34 38.5	0.825	1.825	8.6	19.4	164 W	10	81
7 20	20 11.51	−35 35.5	0.807	1.807	8.5	19.3	165 W	9	80
7 25	20 6.55	−36 27.6	0.794	1.790	9.5	19.3	163 E	9	80
7 30	20 1.44	−37 12.9	0.785	1.773	11.4	19.3	160 E	8	79
8 4	19 56.46	−37 50.1	0.782	1.757	13.8	19.4	156 E	7	78
8 9	19 51.91	−38 18.3	0.783	1.741	16.3	19.5	151 E	7	78
8 14	19 48.08	−38 37.1	0.788	1.725	19.0	19.5	146 E	6	77
8 19	19 45.23	−38 46.6	0.797	1.710	21.5	19.6	142 E	6	77
8 24	19 43.52	−38 47.3	0.809	1.696	23.9	19.7	137 E	6	77
8 29	19 43.06	−38 39.9	0.824	1.682	26.2	19.8	133 E	6	77
9 3	19 43.90	−38 25.0	0.842	1.669	28.2	19.9	129 E	7	78
9 8	19 46.05	−38 3.4	0.862	1.656	30.1	20.0	125 E	7	78
9 13	19 49.50	−37 35.6	0.884	1.644	31.7	20.1	121 E	7	78
9 18	19 54.17	−37 2.2	0.908	1.633	33.2	20.1	117 E	8	79
9 23	19 59.95	−36 23.4	0.933	1.623	34.5	20.2	114 E	9	80
9 28	20 6.75	−35 39.6	0.959	1.613	35.5	20.3	111 E	9	80
10 3	20 14.46	−34 50.7	0.986	1.604	36.5	20.4	108 E	10	81
10 8	20 22.98	−33 57.0	1.015	1.596	37.2	20.5	105 E	11	82
10 13	20 32.21	−32 58.6	1.044	1.589	37.8	20.5	102 E	12	83
10 18	20 42.04	−31 55.4	1.074	1.583	38.3	20.6	100 E	13	84

21/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
	h m	° ′			°	m	°	°	°
494838 2007 UU_{104} *(continuation)*									
10 23	20 52.37	−30 47.6	1.105	1.578	38.7	20.7	97 E	14	85
10 28	21 3.12	−29 35.3	1.137	1.574	39.0	20.7	95 E	15	86
11 2	21 14.21	−28 18.6	1.170	1.571	39.1	20.8	93 E	17	87*
11 7	21 25.58	−26 57.8	1.203	1.569	39.2	20.8	91 E	18	85*
11 12	21 37.16	−25 32.9	1.237	1.567	39.2	20.9	89 E	19	82*
11 17	21 48.91	−24 4.4	1.273	1.567	39.0	21.0	87 E	21	79*
11 22	22 0.76	−22 32.6	1.309	1.568	38.9	21.0	85 E	22	76*
11 27	22 12.69	−20 57.7	1.346	1.570	38.6	21.1	83 E	24	73*
12 2	22 24.67	−19 20.1	1.384	1.572	38.3	21.1	81 E	26	70*
12 7	22 36.67	−17 40.2	1.423	1.576	37.9	21.2	79 E	27	67*
12 12	22 48.68	−15 58.4	1.463	1.581	37.5	21.2	78 E	29	64*
12 17	23 0.67	−14 15.1	1.505	1.586	37.0	21.3	76 E	31	60*
12 22	23 12.65	−12 30.7	1.547	1.593	36.5	21.3	74 E	32	57*
12 27	23 24.59	−10 45.7	1.590	1.600	35.9	21.4	73 E	34	54*
1 1	23 36.50	− 9 0.3	1.634	1.608	35.3	21.4	71 E	36*	51*
394013 2005 VY_{59}									
5 16	20 12.17	−24 45.9	1.381	2.029	26.8	21.3	115 W	20*	89
5 26	20 20.84	−25 13.1	1.259	2.000	25.2	21.1	123 W	20*	89
6 5	20 26.79	−25 54.7	1.148	1.971	22.8	20.8	131 W	19	90
6 15	20 29.50	−26 52.7	1.050	1.942	19.6	20.4	140 W	18	89
6 25	20 28.57	−28 6.2	0.966	1.913	15.6	20.1	150 W	17	88
6 30	20 26.69	−28 47.5	0.931	1.900	13.3	19.9	154 W	16	87
7 5	20 23.87	−29 30.6	0.900	1.886	11.0	19.7	159 W	15	86
7 10	20 20.20	−30 14.2	0.875	1.872	8.8	19.6	164 W	15	86
7 15	20 15.79	−30 56.8	0.854	1.859	6.9	19.4	167 W	14	85
7 20	20 10.83	−31 36.7	0.839	1.846	6.2	19.3	169 W	13	84
7 25	20 5.55	−32 12.4	0.829	1.833	7.0	19.3	167 E	13	84
7 30	20 0.19	−32 42.5	0.824	1.820	9.0	19.4	164 E	12	83
8 4	19 55.04	−33 6.2	0.824	1.808	11.6	19.5	159 E	12	83
8 9	19 50.36	−33 22.7	0.829	1.796	14.3	19.6	154 E	12	83
8 14	19 46.43	−33 32.0	0.838	1.785	17.0	19.7	149 E	11	82
8 19	19 43.43	−33 34.3	0.852	1.773	19.6	19.8	144 E	11	82
8 24	19 41.51	−33 30.0	0.869	1.762	22.0	19.9	139 E	11	82
8 29	19 40.75	−33 19.8	0.889	1.752	24.3	20.0	134 E	12	83
9 3	19 41.19	−33 4.3	0.913	1.742	26.3	20.1	130 E	12	83
9 13	19 45.62	−32 19.3	0.967	1.723	29.8	20.3	122 E	13	84
9 23	19 54.46	−31 18.2	1.028	1.706	32.4	20.5	114 E	14	85
10 3	20 6.99	−30 2.8	1.095	1.692	34.3	20.7	108 E	15	86
10 13	20 22.56	−28 33.6	1.167	1.679	35.6	20.8	101 E	16	87
10 23	20 40.48	−26 50.6	1.241	1.669	36.4	21.0	96 E	18	89
11 2	21 0.14	−24 54.0	1.319	1.662	36.7	21.1	91 E	20	84*
11 12	21 21.06	−22 44.0	1.398	1.657	36.6	21.2	86 E	22	78*
11 22	21 42.85	−20 21.5	1.479	1.655	36.2	21.3	82 E	25	71*
12 2	22 5.17	−17 47.8	1.562	1.655	35.5	21.4	77 E	27	65*
100088 1993 DC									
5 16	20 15.26	−26 45.1	2.567	3.129	17.0	21.4	115 W	18*	89
5 26	20 15.68	−27 22.6	2.417	3.103	15.6	21.2	124 W	18*	89
6 5	20 13.58	−28 9.4	2.280	3.076	13.6	21.0	134 W	17	88
6 15	20 8.80	−29 4.0	2.162	3.048	11.1	20.8	145 W	16	87
6 25	20 1.39	−30 3.0	2.065	3.019	8.1	20.5	155 W	15	86
7 5	19 51.68	−31 1.7	1.994	2.989	5.0	20.3	165 W	14	85
7 10	19 46.16	−31 29.1	1.969	2.973	3.8	20.2	169 W	14	85
7 15	19 40.35	−31 54.3	1.951	2.957	3.5	20.1	170 W	13	84
7 20	19 34.40	−32 16.6	1.941	2.941	4.3	20.2	167 E	13	84
7 25	19 28.45	−32 35.7	1.937	2.924	5.8	20.2	163 E	12	83
7 30	19 22.65	−32 51.1	1.941	2.908	7.5	20.3	158 E	12	83
8 4	19 17.15	−33 2.8	1.951	2.891	9.2	20.4	153 E	12	83
8 9	19 12.08	−33 10.9	1.967	2.873	11.0	20.4	147 E	12	83
8 14	19 7.56	−33 15.4	1.989	2.856	12.7	20.5	142 E	12	83
8 19	19 3.70	−33 16.8	2.017	2.838	14.2	20.6	136 E	12	83
8 24	19 0.56	−33 15.3	2.049	2.819	15.7	20.7	131 E	12	83
8 29	18 58.17	−33 11.4	2.085	2.801	17.0	20.7	126 E	12	83
9 3	18 56.57	−33 5.4	2.125	2.782	18.1	20.8	121 E	12	83
9 8	18 55.77	−32 57.7	2.167	2.763	19.1	20.9	116 E	12	83
9 13	18 55.76	−32 48.4	2.212	2.744	20.0	20.9	111 E	12	83
9 18	18 56.52	−32 37.9	2.259	2.724	20.7	21.0	107 E	12	83
9 23	18 58.01	−32 26.3	2.306	2.704	21.3	21.0	102 E	13	84
9 28	19 0.22	−32 13.7	2.355	2.684	21.7	21.1	98 E	13	84
10 3	19 3.09	−32 0.2	2.404	2.664	22.0	21.1	94 E	13	84*
10 8	19 6.60	−31 45.7	2.453	2.643	22.2	21.1	90 E	13	82*
10 13	19 10.70	−31 30.3	2.501	2.622	22.3	21.2	86 E	13*	79*
10 18	19 15.36	−31 13.8	2.548	2.600	22.3	21.2	82 E	14*	76*
10 23	19 20.54	−30 56.3	2.595	2.579	22.2	21.2	78 E	14*	72*
10 28	19 26.19	−30 37.6	2.640	2.557	22.0	21.2	74 E	14*	68*
11 2	19 32.29	−30 17.6	2.683	2.535	21.7	21.2	71 E	14*	65*
11 7	19 38.80	−29 56.2	2.724	2.513	21.3	21.2	67 E	15*	61*
11 12	19 45.70	−29 33.3	2.763	2.490	20.9	21.2	64 E	15*	57*
11 17	19 52.95	−29 8.8	2.800	2.467	20.4	21.2	60 E	15*	54*

21/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
	h m	° ′			°	m	°	°	°
100088 1993 DC *(continuation)*									
11 22	20 0.52	−28 42.5	2.834	2.444	19.9	21.2	57 E	15*	50*
11 27	20 8.39	−28 14.5	2.866	2.421	19.2	21.2	54 E	15*	47*
12 2	20 16.53	−27 44.5	2.895	2.397	18.6	21.2	51 E	15*	43*
12 7	20 24.93	−27 12.6	2.921	2.373	17.9	21.1	48 E	15*	40*
12 12	20 33.56	−26 38.5	2.944	2.349	17.2	21.1	45 E	15*	37*
12 17	20 42.40	−26 2.3	2.965	2.325	16.4	21.1	42 E	14*	33*
12 22	20 51.43	−25 23.9	2.982	2.300	15.6	21.0	39 E	14*	30*
12 27	21 0.63	−24 43.2	2.996	2.276	14.7	21.0	36 E	13*	27*
1 1	21 10.01	−24 0.2	3.007	2.251	13.9	20.9	33 E	13*	25*
1 6	21 19.54	−23 14.8	3.015	2.226	13.0	20.9	31 E	12*	22*
1 11	21 29.21	−22 27.1	3.020	2.200	12.1	20.8	28 E	11*	19*
1 16	21 39.00	−21 37.0	3.022	2.175	11.2	20.8	25 E	10*	17*
1 21	21 48.92	−20 44.5	3.021	2.149	10.3	20.7	23 E	8*	15*
518678 2008 UZ_{94}									
5 16	20 15.62	+ 3 9.9	1.663	2.179	26.4	21.4	107 W	47*	61
5 26	20 19.66	+ 6 54.8	1.500	2.112	26.2	21.1	113 W	52*	57
6 5	20 21.07	+11 5.1	1.350	2.042	25.8	20.8	119 W	56	53
6 15	20 19.24	+15 39.5	1.216	1.970	25.4	20.5	124 W	61	48
6 20	20 16.92	+18 4.3	1.155	1.933	25.2	20.3	126 W	63	46
6 25	20 13.55	+20 32.6	1.099	1.896	25.2	20.2	127 W	66	43
6 30	20 9.07	+23 3.0	1.047	1.859	25.4	20.0	128 W	68	41
7 5	20 3.39	+25 33.2	1.001	1.821	25.7	19.9	129 W	71	38
7 10	19 56.50	+28 0.6	0.959	1.782	26.4	19.8	129 W	73	36
7 15	19 48.42	+30 22.3	0.923	1.743	27.4	19.7	128 W	75	34
7 20	19 39.23	+32 35.1	0.891	1.704	28.6	19.6	127 E	78	31
7 25	19 29.08	+34 36.2	0.864	1.665	30.2	19.5	124 E	80	29
7 30	19 18.17	+36 23.2	0.840	1.625	32.0	19.4	122 E	81	28
8 4	19 6.78	+37 53.9	0.820	1.585	34.0	19.4	119 E	83	26
8 9	18 55.27	+39 7.4	0.803	1.544	36.2	19.3	116 E	84	25
8 14	18 44.00	+40 3.5	0.788	1.504	38.4	19.3	113 E	85	24
8 19	18 33.32	+40 43.4	0.774	1.464	40.7	19.3	109 E	86	23
8 24	18 23.53	+41 8.7	0.761	1.423	43.1	19.2	106 E	86	23
8 29	18 14.85	+41 21.5	0.748	1.383	45.4	19.2	103 E	86	23
9 3	18 7.44	+41 23.9	0.735	1.343	47.8	19.2	100 E	86	23
9 8	18 1.40	+41 18.3	0.720	1.303	50.2	19.1	96 E	86*	23
9 13	17 56.77	+41 7.0	0.704	1.264	52.6	19.1	94 E	85*	23
9 18	17 53.51	+40 52.0	0.685	1.225	55.1	19.0	91 E	83*	23*
9 23	17 51.57	+40 35.1	0.664	1.188	57.6	19.0	88 E	81*	23*
9 28	17 50.86	+40 17.1	0.639	1.152	60.2	18.9	86 E	79*	22*
10 3	17 51.31	+39 58.7	0.612	1.117	63.0	18.8	84 E	77*	22*
10 8	17 52.86	+39 40.5	0.581	1.085	65.9	18.7	82 E	76*	20*
10 13	17 55.44	+39 22.6	0.547	1.054	68.9	18.6	80 E	74*	19*
10 18	17 58.97	+39 4.3	0.509	1.027	72.2	18.5	79 E	73*	17*
10 23	18 3.40	+38 44.2	0.467	1.002	75.6	18.4	77 E	71*	16*
10 28	18 8.77	+38 19.3	0.422	0.981	79.4	18.3	76 E	70*	14*
11 2	18 15.20	+37 45.5	0.374	0.963	83.4	18.1	75 E	69*	12*
11 7	18 22.96	+36 55.7	0.324	0.950	87.6	17.9	73 E	67*	11*
11 12	18 32.59	+35 37.5	0.271	0.942	92.2	17.7	72 E	66*	9*
11 14	18 37.18	+34 53.3	0.250	0.940	94.1	17.6	71 E	65*	9*
11 16	18 42.33	+33 58.1	0.228	0.938	96.1	17.5	71 E	64*	9*
11 18	18 48.21	+32 48.2	0.207	0.938	98.2	17.4	70 E	64*	9*
11 20	18 55.04	+31 18.1	0.185	0.938	100.5	17.2	69 E	63*	10*
11 22	19 3.12	+29 19.6	0.163	0.939	102.8	17.1	68 E	62*	11*
11 23	19 7.78	+28 5.9	0.153	0.939	104.0	17.0	67 E	61*	11*
11 24	19 12.94	+26 39.6	0.142	0.940	105.3	16.9	67 E	61*	12*
11 25	19 18.70	+24 58.0	0.132	0.941	106.6	16.8	66 E	60*	14*
11 26	19 25.18	+22 57.1	0.121	0.943	108.0	16.7	65 E	59*	15*
11 27	19 32.52	+20 32.2	0.111	0.944	109.4	16.6	65 E	57*	17*
11 28	19 40.93	+17 36.8	0.102	0.946	110.8	16.5	64 E	55*	20*
11 29	19 50.64	+14 2.8	0.092	0.948	112.2	16.4	63 E	53*	23*
11 30	20 1.96	+ 9 40.4	0.084	0.950	113.5	16.3	62 E	50*	27*
12 1	20 15.28	+ 4 18.4	0.076	0.952	114.6	16.2	61 E	46*	31*
12 2	20 31.10	− 2 13.2	0.069	0.955	115.2	16.0	61 E	41*	37*
12 3	20 50.03	− 9 58.1	0.064	0.957	114.9	15.8	62 E	34*	44*
12 4	21 12.78	−18 45.2	0.061	0.960	113.5	15.6	63 E	26*	52*
12 5	21 40.08	−28 1.2	0.059	0.963	110.8	15.4	66 E	17*	59*
12 6	22 12.47	−36 55.2	0.060	0.966	107.0	15.2	70 E	8	64*
12 7	22 49.88	−44 36.5	0.064	0.969	102.7	15.1	74 E	—	65*
12 8	23 31.26	−50 34.1	0.069	0.973	98.4	15.1	78 E	—	64*
12 9	0 14.35	−54 43.3	0.075	0.976	94.4	15.1	81 E	—	61*
12 10	0 56.28	−57 18.5	0.083	0.980	90.9	15.2	84 E	—	59
12 11	1 34.61	−58 42.4	0.091	0.984	87.8	15.3	87 E	—	57
12 12	2 8.02	−59 17.5	0.100	0.988	85.1	15.4	89 E	—	57
12 13	2 36.28	−59 21.6	0.110	0.992	82.7	15.5	91 E	—	57
12 14	2 59.84	−59 7.3	0.120	0.997	80.7	15.6	92 E	—	57
12 15	3 19.41	−58 42.7	0.130	1.001	78.8	15.7	94 E	—	57
12 16	3 35.73	−58 12.8	0.140	1.006	77.1	15.8	95 E	—	58
12 17	3 49.41	−57 40.5	0.151	1.011	75.6	16.0	96 E	—	58
12 18	4 0.99	−57 7.6	0.161	1.016	74.2	16.1	97 E	—	59

21/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
	h m	° ′			°	m	°	°	°
518678 2008 UZ_{94} *(continuation)*									
12 19	4 10.87	−56 35.1	0.172	1.021	72.9	16.2	97 E	—	59
12 20	4 19.38	−56 3.5	0.183	1.026	71.7	16.3	98 E	—	60
12 21	4 26.77	−55 33.0	0.193	1.031	70.5	16.4	99 E	—	60
12 22	4 33.25	−55 3.7	0.204	1.037	69.5	16.5	99 E	—	61
12 23	4 38.96	−54 35.6	0.215	1.042	68.4	16.6	100 E	—	61
12 24	4 44.04	−54 8.7	0.226	1.048	67.5	16.6	100 E	—	62
12 25	4 48.59	−53 42.9	0.236	1.053	66.5	16.7	101 E	—	62
12 26	4 52.69	−53 18.0	0.247	1.059	65.6	16.8	101 E	—	63
12 27	4 56.40	−52 53.9	0.258	1.065	64.8	16.9	102 E	—	63
12 28	4 59.78	−52 30.7	0.269	1.071	63.9	17.0	102 E	—	63
12 29	5 2.88	−52 8.1	0.279	1.077	63.1	17.0	102 E	—	64
12 30	5 5.73	−51 46.1	0.290	1.084	62.4	17.1	102 E	—	64
12 31	5 8.37	−51 24.6	0.301	1.090	61.6	17.2	103 E	—	65
1 1	5 10.82	−51 3.5	0.311	1.097	60.9	17.2	103 E	—	65
1 3	5 15.27	−50 22.5	0.332	1.110	59.5	17.4	104 E	—	66
1 5	5 19.22	−49 42.5	0.354	1.123	58.1	17.5	104 E	—	66
1 7	5 22.79	−49 3.3	0.375	1.137	56.8	17.6	105 E	—	67
1 9	5 26.06	−48 24.7	0.395	1.151	55.6	17.7	105 E	—	68
1 11	5 29.10	−47 46.3	0.416	1.165	54.5	17.8	105 E	—	68
1 13	5 31.96	−47 8.0	0.437	1.180	53.4	17.9	106 E	—	69
1 15	5 34.69	−46 29.8	0.457	1.194	52.3	18.0	106 E	—	70
1 17	5 37.31	−45 51.6	0.478	1.209	51.3	18.1	106 E	—	70
1 19	5 39.86	−45 13.1	0.498	1.224	50.3	18.2	107 E	—	71
1 21	5 42.35	−44 34.5	0.519	1.239	49.4	18.3	107 E	—	71
510013 2009 YZ_1									
5 16	20 23.71	−16 14.8	1.738	2.299	24.3	21.4	111 W	28*	80
5 21	20 27.45	−16 50.7	1.657	2.275	23.8	21.3	115 W	27*	81
5 26	20 30.72	−17 33.3	1.579	2.252	23.2	21.2	119 W	27*	82
5 31	20 33.47	−18 23.3	1.504	2.229	22.3	21.0	123 W	26*	82
6 5	20 35.64	−19 21.8	1.431	2.205	21.3	20.8	128 W	26*	83
6 10	20 37.18	−20 29.3	1.362	2.182	20.0	20.7	133 W	25	84
6 15	20 38.01	−21 46.5	1.298	2.158	18.5	20.5	137 W	23	86
6 25	20 37.35	−24 51.4	1.182	2.112	15.0	20.1	148 W	20	89
7 5	20 33.29	−28 35.4	1.089	2.065	10.9	19.7	157 W	16	87
7 15	20 25.63	−32 48.5	1.021	2.019	7.8	19.4	164 W	12	83
7 20	20 20.57	−35 0.1	0.997	1.996	7.7	19.3	165 W	10	81
7 25	20 14.84	−37 11.0	0.980	1.973	8.9	19.3	163 E	8	79
7 30	20 8.63	−39 17.7	0.970	1.950	11.0	19.4	158 E	6	77
8 4	20 2.16	−41 17.4	0.967	1.928	13.6	19.4	153 E	4	75
8 9	19 55.72	−43 7.3	0.969	1.906	16.4	19.5	148 E	2	73
8 14	19 49.65	−44 45.9	0.977	1.884	19.1	19.6	142 E	—	71
8 19	19 44.26	−46 12.1	0.989	1.863	21.7	19.7	137 E	—	70
8 24	19 39.83	−47 25.9	1.006	1.841	24.1	19.8	132 E	—	69
8 29	19 36.58	−48 27.7	1.026	1.821	26.4	19.9	127 E	—	68
9 3	19 34.70	−49 18.4	1.048	1.800	28.3	19.9	122 E	—	67
9 8	19 34.32	−49 58.7	1.073	1.780	30.1	20.0	118 E	—	66
9 13	19 35.50	−50 29.8	1.099	1.761	31.6	20.1	113 E	—	66
9 18	19 38.27	−50 52.5	1.127	1.742	32.9	20.1	110 E	—	65
9 23	19 42.56	−51 7.5	1.154	1.724	34.1	20.2	106 E	—	65
9 28	19 48.33	−51 15.2	1.182	1.706	35.0	20.3	102 E	—	65
10 3	19 55.47	−51 15.9	1.210	1.689	35.8	20.3	99 E	—	65
10 8	20 3.92	−51 9.5	1.237	1.673	36.4	20.4	96 E	—	65
10 13	20 13.54	−50 56.1	1.264	1.658	36.9	20.4	94 E	—	65
10 18	20 24.21	−50 35.7	1.290	1.643	37.3	20.4	91 E	—	65
10 23	20 35.80	−50 7.9	1.316	1.630	37.6	20.5	89 E	—	66*
10 28	20 48.16	−49 32.5	1.340	1.617	37.8	20.5	86 E	—	66*
11 2	21 1.18	−48 49.3	1.364	1.605	38.0	20.5	84 E	—	67*
11 7	21 14.73	−47 58.0	1.387	1.594	38.0	20.6	82 E	—	67*
11 12	21 28.69	−46 58.5	1.410	1.585	38.0	20.6	81 E	—	67*
11 17	21 42.95	−45 50.8	1.432	1.576	38.0	20.6	79 E	—	67*
11 22	21 57.38	−44 34.9	1.453	1.569	37.9	20.6	77 E	—	68*
11 27	22 11.90	−43 10.9	1.474	1.562	37.8	20.6	76 E	2	67*
12 2	22 26.44	−41 39.0	1.495	1.557	37.6	20.7	75 E	3	67*
12 7	22 40.94	−39 59.4	1.516	1.553	37.4	20.7	73 E	5	67*
12 12	22 55.35	−38 12.6	1.537	1.550	37.2	20.7	72 E	7	66*
12 17	23 9.62	−36 19.2	1.559	1.549	36.9	20.7	71 E	9	65*
12 22	23 23.71	−34 19.6	1.582	1.549	36.6	20.7	70 E	11	64*
12 27	23 37.62	−32 14.6	1.605	1.550	36.3	20.8	69 E	13	62*
1 1	23 51.34	−30 4.9	1.630	1.552	35.9	20.8	68 E	15	61*
1 6	0 4.86	−27 51.1	1.656	1.555	35.5	20.8	67 E	17*	59*
1 11	0 18.19	−25 34.1	1.683	1.560	35.0	20.8	66 E	19*	57*
1 16	0 31.33	−23 14.9	1.712	1.566	34.6	20.9	65 E	21*	56*
1 21	0 44.30	−20 54.1	1.743	1.573	34.0	20.9	63 E	23*	54*
151723 2003 BX_{63}									
5 16	20 40.69	− 8 42.7	2.709	3.121	18.3	21.5	105 W	34*	73
5 26	20 43.00	− 8 20.6	2.553	3.098	17.5	21.3	113 W	36*	72
6 5	20 43.30	− 8 7.9	2.405	3.074	16.1	21.1	123 W	37*	72
6 15	20 41.42	− 8 6.5	2.270	3.050	14.2	20.9	132 W	37	72

21/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
	h m	° ′			°	m	°	°	°
151723 2003 BX_{63} *(continuation)*									
6 25	20 37.32	− 8 18.2	2.152	3.024	11.8	20.7	143 W	37	72
7 5	20 31.14	− 8 44.0	2.055	2.997	8.8	20.4	153 W	36	73
7 15	20 23.19	− 9 23.7	1.981	2.970	5.6	20.2	164 W	36	73
7 25	20 14.12	−10 15.4	1.935	2.942	3.3	20.0	171 E	35	74
8 4	20 4.72	−11 15.9	1.918	2.913	4.8	20.0	166 E	34	75
8 9	20 0.19	−11 48.2	1.919	2.898	6.4	20.1	161 E	33	76
8 14	19 55.92	−12 21.1	1.928	2.883	8.2	20.2	156 E	33	76
8 19	19 52.03	−12 54.0	1.943	2.868	10.0	20.3	151 E	32	77
8 24	19 48.60	−13 26.4	1.964	2.853	11.7	20.4	145 E	32	77
9 3	19 43.40	−14 28.3	2.022	2.821	14.8	20.5	134 E	31	78
9 13	19 40.72	−15 24.0	2.099	2.789	17.4	20.7	124 E	30	79
9 23	19 40.74	−16 11.8	2.188	2.756	19.4	20.8	114 E	29	80
10 3	19 43.39	−16 50.7	2.286	2.723	20.8	20.9	105 E	28	81
10 13	19 48.52	−17 20.0	2.389	2.688	21.7	21.0	96 E	28	81*
10 23	19 55.91	−17 39.4	2.494	2.653	22.0	21.1	88 E	27	77*
11 2	20 5.28	−17 48.7	2.596	2.617	21.9	21.1	80 E	27	70*
11 12	20 16.41	−17 47.7	2.695	2.581	21.5	21.2	73 E	27*	62*
11 22	20 29.05	−17 36.3	2.786	2.544	20.7	21.2	66 E	27*	54*
12 2	20 42.97	−17 14.6	2.870	2.506	19.7	21.2	59 E	27*	47*
12 12	20 58.00	−16 42.5	2.944	2.468	18.4	21.2	52 E	26*	39*
12 22	21 13.97	−16 0.4	3.008	2.430	16.9	21.1	46 E	25*	32*
1 1	21 30.72	−15 8.5	3.061	2.391	15.3	21.1	40 E	23*	26*
1 11	21 48.16	−14 7.1	3.101	2.352	13.5	21.0	34 E	20*	21*
1 21	22 6.17	−12 56.8	3.130	2.312	11.7	20.9	28 E	17*	16*
86878 2000 HD_{24}									
5 16	21 0.28	− 6 44.4	1.552	1.986	30.2	21.3	99 W	34*	71
5 26	21 6.71	− 4 59.3	1.393	1.945	29.9	21.1	107 W	38*	69
6 5	21 10.64	− 3 10.2	1.238	1.899	29.1	20.7	115 W	41*	67
6 15	21 11.35	− 1 18.4	1.089	1.848	27.5	20.3	123 W	44*	65
6 25	21 7.98	+ 0 34.3	0.949	1.793	25.1	19.9	132 W	46	63
7 5	20 59.41	+ 2 24.4	0.822	1.733	21.8	19.4	141 W	47	62
7 10	20 52.78	+ 3 16.4	0.764	1.701	19.9	19.2	145 W	48	61
7 15	20 44.41	+ 4 4.6	0.710	1.668	18.0	18.9	150 W	49	60
7 20	20 34.21	+ 4 47.4	0.661	1.633	16.5	18.7	153 W	50	59
7 25	20 22.17	+ 5 23.0	0.618	1.597	15.7	18.4	155 W	50	59
7 30	20 8.39	+ 5 49.2	0.580	1.560	16.2	18.3	155 E	51	58
8 4	19 53.08	+ 6 3.8	0.549	1.521	18.3	18.2	152 E	51	58
8 9	19 36.64	+ 6 5.1	0.523	1.480	21.8	18.1	147 E	51	58
8 14	19 19.60	+ 5 52.1	0.503	1.439	26.3	18.1	141 E	51	58
8 19	19 2.57	+ 5 25.3	0.488	1.395	31.5	18.1	134 E	50	59
8 24	18 46.08	+ 4 46.2	0.477	1.351	37.0	18.1	127 E	50	59
8 29	18 30.56	+ 3 56.7	0.470	1.304	42.6	18.2	119 E	49	60
9 3	18 16.30	+ 2 59.1	0.465	1.256	48.4	18.2	111 E	48	61
9 8	18 3.42	+ 1 55.9	0.462	1.207	54.1	18.3	104 E	47*	62
9 13	17 51.85	+ 0 48.8	0.459	1.155	59.8	18.4	97 E	46*	63
9 18	17 41.36	− 0 20.5	0.455	1.103	65.7	18.4	90 E	44*	64*
9 23	17 31.54	− 1 31.6	0.450	1.048	71.8	18.5	83 E	41*	62*
10 3	17 11.71	− 4 0.2	0.433	0.936	85.6	18.6	69 E	36*	54*
10 13	16 46.17	− 6 44.6	0.409	0.820	103.5	19.0	53 E	28*	41*
10 23	16 5.57	− 9 54.0	0.388	0.704	129.0	20.4	33 E	17*	24*
10 28	15 37.47	−11 33.5	0.387	0.650	145.6	22.3	22 E	10*	13*
11 2	15 5.84	−13 5.4	0.400	0.601	164.6	27.5	9 E	1*	1*
11 7	14 35.17	−14 20.7	0.434	0.559	173.5	36.8	4 W	—	—
11 12	14 10.81	−15 19.5	0.489	0.529	153.1	23.7	14 W	5*	5*
11 17	13 56.13	−16 11.4	0.564	0.513	133.2	20.9	22 W	10*	13*
11 22	13 51.30	−17 5.2	0.652	0.515	115.2	19.7	28 W	14*	18*
11 24	13 51.73	−17 28.2	0.689	0.521	108.7	19.5	30 W	15*	20*
11 26	13 53.27	−17 52.0	0.726	0.529	102.6	19.3	32 W	16*	21*
11 28	13 55.74	−18 16.3	0.764	0.539	96.9	19.2	33 W	16*	22*
11 30	13 59.00	−18 41.1	0.801	0.552	91.8	19.1	34 W	17*	23*
12 2	14 2.90	−19 5.9	0.837	0.566	87.0	19.0	35 W	17*	24*
12 7	14 14.65	−20 7.1	0.924	0.610	76.9	19.0	37 W	17*	27*
12 12	14 28.12	−21 4.8	1.003	0.660	69.1	19.1	39 W	18*	29*
12 17	14 42.37	−21 57.1	1.074	0.715	63.0	19.3	40 W	18*	30*
12 22	14 56.81	−22 43.4	1.136	0.773	58.4	19.4	42 W	18*	32*
12 27	15 11.12	−23 23.4	1.190	0.831	54.8	19.6	44 W	17*	34*
1 1	15 25.09	−23 57.3	1.237	0.889	52.0	19.7	45 W	17*	36*
1 6	15 38.61	−24 25.3	1.276	0.947	49.9	19.9	47 W	17*	39*
1 11	15 51.60	−24 47.9	1.308	1.004	48.2	20.0	50 W	17*	41*
1 16	16 4.03	−25 5.4	1.333	1.059	46.8	20.1	52 W	17*	44*
1 21	16 15.88	−25 18.2	1.353	1.113	45.8	20.2	54 W	18*	46*
211206 2002 OM_{24}									
5 16	21 2.04	− 5 31.7	1.935	2.313	25.6	21.4	99 W	35*	70
5 26	21 8.49	− 3 58.0	1.795	2.291	25.2	21.2	106 W	39*	68
6 5	21 12.73	− 2 27.0	1.659	2.267	24.2	21.0	114 W	42*	66
6 15	21 14.40	− 1 1.9	1.532	2.242	22.6	20.8	122 W	44*	65

211206 2002 OM_{24} *(continuation)*

21/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
	h m	° ′			°	m	°	°	°
6 25	21 13.19	+ 0 13.5	1.415	2.216	20.4	20.5	131 W	45	64
7 5	21 8.88	+ 1 14.6	1.312	2.189	17.5	20.2	140 W	46	63
7 10	21 5.54	+ 1 38.1	1.267	2.175	15.8	20.1	144 W	47	62
7 15	21 1.45	+ 1 55.9	1.226	2.161	14.1	19.9	149 W	47	62
7 20	20 56.70	+ 2 7.4	1.191	2.146	12.5	19.8	153 W	47	62
7 25	20 51.37	+ 2 12.3	1.161	2.131	10.9	19.7	157 W	47	62
8 4	20 39.57	+ 2 0.8	1.118	2.101	9.4	19.5	160 E	47	62
8 14	20 27.45	+ 1 21.8	1.098	2.069	11.0	19.5	157 E	46	63
8 24	20 16.65	+ 0 20.6	1.101	2.037	14.7	19.6	149 E	45	64
8 29	20 12.18	− 0 15.8	1.110	2.020	16.8	19.7	145 E	45	64
9 3	20 8.52	− 0 54.6	1.124	2.003	19.0	19.7	140 E	44	65
9 8	20 5.77	− 1 34.7	1.143	1.987	21.1	19.8	135 E	43	66
9 13	20 3.99	− 2 14.9	1.165	1.969	23.0	19.9	130 E	43	66
9 18	20 3.22	− 2 54.2	1.190	1.952	24.8	20.0	125 E	42	67
9 23	20 3.45	− 3 31.9	1.217	1.935	26.4	20.1	121 E	41	68
10 3	20 6.83	− 4 40.0	1.279	1.899	29.2	20.2	112 E	40	69
10 13	20 13.87	− 5 35.2	1.345	1.864	31.2	20.3	104 E	39	70
10 23	20 24.17	− 6 14.8	1.414	1.828	32.7	20.4	97 E	39	70*
11 2	20 37.28	− 6 37.7	1.483	1.791	33.6	20.5	90 E	38	67*
11 12	20 52.85	− 6 43.0	1.551	1.755	34.1	20.6	84 E	38	63*
11 22	21 10.50	− 6 30.4	1.615	1.719	34.3	20.6	79 E	38	57*
12 2	21 29.92	− 6 0.1	1.676	1.683	34.1	20.7	73 E	39*	52*
12 12	21 50.87	− 5 12.6	1.733	1.648	33.7	20.7	68 E	40*	46*
12 22	22 13.14	− 4 8.7	1.785	1.614	33.2	20.7	64 E	40*	40*
1 1	22 36.55	− 2 49.7	1.833	1.581	32.4	20.7	60 E	40*	35*
1 11	23 0.99	− 1 17.1	1.876	1.550	31.6	20.7	56 E	39*	31*
1 21	23 26.38	+ 0 27.0	1.915	1.521	30.6	20.6	52 E	38*	28*

506490 2003 UO_{27}

5 16	21 5.29	−30 18.3	2.054	2.511	22.9	21.5	105 W	12*	86
5 26	21 14.95	−31 7.6	1.891	2.460	22.4	21.2	112 W	12*	85
6 5	21 22.85	−32 13.5	1.736	2.409	21.4	21.0	120 W	12*	84
6 15	21 28.56	−33 38.1	1.593	2.358	19.9	20.7	128 W	11*	82
6 25	21 31.60	−35 21.8	1.464	2.306	17.9	20.4	136 W	10	81
6 30	21 31.98	−36 20.1	1.406	2.280	16.7	20.2	140 W	9	80
7 5	21 31.50	−37 22.1	1.352	2.253	15.5	20.1	144 W	8	79
7 10	21 30.12	−38 26.8	1.303	2.227	14.3	19.9	147 W	7	78
7 15	21 27.81	−39 32.9	1.260	2.201	13.2	19.8	150 W	5	76
7 20	21 24.58	−40 38.8	1.221	2.175	12.4	19.7	153 W	4	75
7 25	21 20.48	−41 42.6	1.188	2.149	11.9	19.6	154 W	3	74
7 30	21 15.58	−42 42.4	1.161	2.122	11.9	19.5	155 W	2	73
8 4	21 10.02	−43 36.3	1.139	2.096	12.5	19.4	154 W	1	72
8 9	21 3.99	−44 22.3	1.122	2.070	13.5	19.4	151 E	1	72
8 14	20 57.75	−44 58.7	1.111	2.044	15.0	19.4	149 E	—	71
8 19	20 51.59	−45 24.7	1.104	2.018	16.7	19.4	145 E	—	71
8 24	20 45.80	−45 39.6	1.103	1.993	18.6	19.5	141 E	—	70
8 29	20 40.64	−45 43.4	1.105	1.967	20.5	19.5	137 E	—	70
9 3	20 36.35	−45 36.5	1.111	1.942	22.5	19.5	133 E	—	70
9 8	20 33.13	−45 19.6	1.120	1.917	24.3	19.6	128 E	—	71
9 13	20 31.10	−44 53.5	1.133	1.892	26.1	19.6	124 E	—	71
9 18	20 30.35	−44 19.4	1.147	1.868	27.7	19.7	120 E	1	72
9 23	20 30.88	−43 38.1	1.164	1.844	29.2	19.7	116 E	1	72
9 28	20 32.66	−42 50.3	1.182	1.820	30.5	19.8	113 E	2	73
10 3	20 35.64	−41 56.9	1.201	1.797	31.8	19.8	109 E	3	74
10 8	20 39.75	−40 58.1	1.222	1.774	32.9	19.9	106 E	4	75
10 13	20 44.92	−39 54.4	1.243	1.752	33.8	19.9	102 E	5	76
10 18	20 51.04	−38 46.0	1.264	1.730	34.6	19.9	99 E	6	77
10 23	20 58.01	−37 33.1	1.286	1.709	35.4	20.0	96 E	7	78
10 28	21 5.74	−36 15.7	1.308	1.689	36.0	20.0	93 E	9	80
11 2	21 14.15	−34 54.0	1.330	1.670	36.5	20.0	91 E	10	81*
11 7	21 23.16	−33 27.7	1.352	1.651	36.9	20.0	88 E	12	81*
11 12	21 32.69	−31 57.1	1.374	1.633	37.2	20.1	86 E	13	79*
11 17	21 42.67	−30 22.2	1.397	1.616	37.4	20.1	83 E	15	77*
11 22	21 53.04	−28 43.0	1.419	1.600	37.6	20.1	81 E	16	75*
11 27	22 3.73	−26 59.6	1.441	1.586	37.7	20.1	79 E	18	72*
12 2	22 14.70	−25 12.1	1.464	1.572	37.7	20.1	77 E	20	69*
12 7	22 25.92	−23 20.7	1.487	1.559	37.6	20.1	75 E	22	66*
12 12	22 37.36	−21 25.8	1.510	1.548	37.5	20.2	73 E	24	63*
12 17	22 48.96	−19 27.5	1.533	1.538	37.4	20.2	72 E	26	60*
12 22	23 0.72	−17 26.2	1.557	1.529	37.2	20.2	70 E	28	57*
12 27	23 12.60	−15 22.4	1.582	1.522	36.9	20.2	68 E	30*	54*
1 1	23 24.61	−13 16.3	1.607	1.516	36.6	20.2	67 E	32*	51*
1 6	23 36.73	−11 8.5	1.633	1.512	36.2	20.2	65 E	33*	48*
1 11	23 48.95	− 8 59.4	1.660	1.509	35.8	20.3	64 E	35*	45*
1 16	0 1.27	− 6 49.6	1.688	1.507	35.3	20.3	62 E	37*	43*
1 21	0 13.69	− 4 39.6	1.717	1.507	34.8	20.3	61 E	38*	40*

528205 2008 JS_{36}

5 16	21 11.36	−11 16.5	1.090	1.589	39.0	21.3	98 W	29*	75
5 26	21 30.29	− 9 16.2	1.017	1.586	38.5	21.2	103 W	32*	73
6 5	21 47.07	− 7 19.6	0.949	1.586	37.6	21.0	108 W	35*	71
6 15	22 1.28	− 5 31.9	0.885	1.589	36.0	20.8	113 W	38*	70
6 25	22 12.53	− 3 58.8	0.826	1.595	33.7	20.6	120 W	41*	68
7 5	22 20.40	− 2 45.9	0.774	1.604	30.6	20.4	127 W	42	67
7 10	22 22.92	− 2 19.0	0.751	1.610	28.6	20.3	131 W	43	66
7 15	22 24.46	− 1 59.4	0.730	1.616	26.5	20.2	135 W	43	66
7 20	22 25.02	− 1 47.6	0.712	1.623	24.1	20.0	139 W	43	66
7 25	22 24.61	− 1 44.1	0.696	1.631	21.5	19.9	144 W	43	66
8 4	22 21.12	− 2 1.9	0.675	1.649	15.6	19.7	154 W	43	66
8 14	22 14.85	− 2 50.6	0.670	1.668	9.3	19.5	165 W	42	67
8 24	22 7.38	− 4 1.1	0.683	1.691	4.3	19.3	173 E	41	68
8 29	22 3.76	− 4 40.6	0.696	1.702	4.7	19.4	172 E	40	69
9 3	22 0.48	− 5 20.5	0.715	1.715	7.0	19.6	168 E	40	69
9 8	21 57.75	− 5 59.4	0.738	1.727	9.8	19.8	163 E	39	70
9 13	21 55.71	− 6 35.7	0.766	1.740	12.5	20.0	158 E	38	71
9 18	21 54.47	− 7 8.1	0.799	1.754	15.2	20.2	153 E	38	71
9 23	21 54.07	− 7 35.9	0.836	1.768	17.6	20.4	148 E	37	72
10 3	21 55.82	− 8 16.1	0.921	1.796	21.7	20.7	138 E	37	72
10 13	22 0.81	− 8 34.4	1.020	1.826	24.9	21.1	130 E	36	73
10 23	22 8.62	− 8 31.4	1.131	1.857	27.2	21.4	122 E	36	73
11 2	22 18.73	− 8 9.1	1.252	1.888	28.7	21.7	114 E	37	72

220839 2004 VA

5 16	21 19.59	−15 38.4	1.801	2.180	27.4	21.5	98 W	24*	80
5 26	21 21.82	−15 40.0	1.728	2.241	25.6	21.4	107 W	26*	80
6 5	21 20.84	−15 57.4	1.659	2.300	23.2	21.3	117 W	28*	80
6 15	21 16.42	−16 31.4	1.597	2.356	20.0	21.2	127 W	28*	81
6 25	21 8.56	−17 20.6	1.549	2.410	16.1	21.0	139 W	28	81
7 5	20 57.57	−18 21.3	1.520	2.461	11.4	20.9	151 W	27	82
7 15	20 44.21	−19 27.5	1.516	2.510	6.4	20.7	164 W	26	83
7 25	20 29.72	−20 31.8	1.541	2.556	1.2	20.5	177 W	24	85
7 30	20 22.51	−21 1.1	1.565	2.578	1.6	20.5	176 E	24	85
8 4	20 15.55	−21 27.8	1.596	2.600	4.0	20.8	170 E	24	85
8 9	20 9.02	−21 51.4	1.634	2.621	6.4	20.9	163 E	23	86
8 14	20 3.06	−22 11.7	1.679	2.642	8.6	21.1	157 E	23	86
8 19	19 57.78	−22 28.7	1.731	2.661	10.6	21.3	151 E	23	86
8 24	19 53.24	−22 42.6	1.788	2.681	12.4	21.4	145 E	22	87

306703 2000 WT

5 16	21 24.45	−30 48.7	2.263	2.648	22.0	21.4	101 W	10*	85
5 26	21 30.31	−30 33.0	2.111	2.621	21.4	21.2	109 W	12*	85
6 5	21 33.68	−30 25.0	1.965	2.593	20.3	20.9	117 W	13*	86
6 15	21 34.14	−30 24.4	1.829	2.565	18.6	20.7	126 W	14*	86
6 25	21 31.32	−30 29.5	1.705	2.536	16.2	20.5	136 W	15	86
7 5	21 25.02	−30 36.8	1.598	2.506	13.1	20.2	146 W	14	85
7 10	21 20.55	−30 39.6	1.552	2.491	11.4	20.0	151 W	14	85
7 15	21 15.25	−30 40.7	1.511	2.476	9.5	19.9	156 W	14	85
7 20	21 9.23	−30 39.0	1.477	2.460	7.7	19.8	161 W	14	85
7 25	21 2.61	−30 33.8	1.449	2.445	6.2	19.6	165 W	14	85
7 30	20 55.55	−30 24.1	1.428	2.429	5.2	19.5	167 W	15	86
8 4	20 48.23	−30 9.5	1.413	2.413	5.4	19.5	167 E	15	86
8 9	20 40.88	−29 49.4	1.406	2.397	6.7	19.5	164 E	15	86
8 14	20 33.72	−29 24.0	1.405	2.380	8.5	19.6	160 E	16	87
8 19	20 26.97	−28 53.3	1.410	2.364	10.7	19.7	154 E	16	87
8 24	20 20.81	−28 17.9	1.422	2.348	12.8	19.8	149 E	17	88
8 29	20 15.39	−27 38.6	1.440	2.331	14.9	19.9	144 E	17	88
9 3	20 10.81	−26 55.9	1.463	2.314	16.9	19.9	138 E	18	89
9 8	20 7.16	−26 10.8	1.490	2.297	18.8	20.0	133 E	19	90
9 13	20 4.48	−25 23.8	1.522	2.280	20.4	20.1	128 E	20	89
9 23	20 2.03	−23 46.5	1.596	2.246	23.3	20.3	118 E	21	88
10 3	20 3.24	−22 7.0	1.679	2.212	25.4	20.4	109 E	23	86
10 13	20 7.74	−20 26.4	1.768	2.177	26.8	20.5	100 E	25	84
10 23	20 15.07	−18 44.5	1.859	2.143	27.6	20.6	92 E	26	81*
11 2	20 24.79	−17 0.3	1.950	2.108	28.0	20.7	85 E	28	73*
11 12	20 36.53	−15 12.4	2.038	2.073	27.8	20.8	78 E	30	65*
11 22	20 49.95	−13 19.4	2.121	2.039	27.4	20.8	72 E	32*	57*
12 2	21 4.77	−11 20.3	2.199	2.005	26.6	20.8	66 E	33*	49*
12 12	21 20.78	− 9 14.1	2.270	1.972	25.6	20.8	60 E	34*	41*
12 22	21 37.82	− 6 59.9	2.334	1.939	24.5	20.8	55 E	35*	34*
1 1	21 55.74	− 4 37.6	2.390	1.907	23.1	20.8	50 E	35*	27*
1 11	22 14.48	− 2 7.0	2.438	1.876	21.7	20.8	45 E	34*	21*
1 21	22 33.96	+ 0 31.5	2.479	1.846	20.3	20.7	41 E	32*	16*

21/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
	h m	° ′			°	m	°	°	°
100766 1998 FX_{24}									
5 16	21 41.21	−16 56.7	3.017	3.234	18.2	21.5	93 W	21*	81
5 26	21 46.05	−16 31.3	2.849	3.208	18.0	21.3	101 W	24*	81
6 5	21 49.18	−16 13.7	2.685	3.182	17.4	21.2	110 W	26*	80
6 15	21 50.37	−16 5.1	2.528	3.154	16.3	21.0	119 W	28*	80
6 25	21 49.41	−16 6.1	2.383	3.126	14.6	20.8	129 W	29*	80
7 5	21 46.18	−16 16.8	2.252	3.097	12.3	20.6	140 W	29	80
7 15	21 40.65	−16 36.4	2.142	3.067	9.4	20.3	150 W	28	81
7 25	21 33.04	−17 2.8	2.055	3.036	6.0	20.0	162 W	28	81
8 4	21 23.80	−17 32.7	1.994	3.005	2.2	19.7	173 W	27	82
8 9	21 18.79	−17 47.7	1.975	2.988	0.7	19.6	178 W	27	82
8 14	21 13.68	−18 2.1	1.963	2.972	2.1	19.7	174 E	27	82
8 19	21 8.58	−18 15.4	1.958	2.955	4.1	19.8	168 E	27	82
8 24	21 3.63	−18 27.1	1.960	2.939	6.1	19.9	162 E	27	82
8 29	20 58.94	−18 36.9	1.969	2.921	8.0	20.0	156 E	26	83
9 3	20 54.61	−18 44.6	1.984	2.904	9.9	20.0	150 E	26	83
9 13	20 47.45	−18 52.9	2.033	2.869	13.3	20.2	139 E	26	83
9 23	20 42.71	−18 51.5	2.101	2.833	16.2	20.3	128 E	26	83
10 3	20 40.64	−18 40.8	2.184	2.796	18.4	20.5	118 E	26	83
10 13	20 41.29	−18 21.1	2.278	2.759	20.1	20.6	108 E	27	82
10 23	20 44.52	−17 52.8	2.377	2.721	21.2	20.7	99 E	27	82
11 2	20 50.07	−17 16.4	2.479	2.682	21.7	20.8	91 E	28	78*
11 12	20 57.69	−16 31.8	2.580	2.642	21.8	20.8	83 E	28	70*
11 22	21 7.11	−15 39.1	2.676	2.601	21.5	20.9	75 E	29	62*
12 2	21 18.07	−14 38.1	2.767	2.560	20.9	20.9	68 E	30*	53*
12 12	21 30.36	−13 28.8	2.849	2.519	19.9	20.9	61 E	31*	45*
12 22	21 43.76	−12 11.2	2.922	2.476	18.8	20.9	54 E	30*	38*
1 1	21 58.13	−10 45.4	2.984	2.433	17.4	20.8	48 E	29*	31*
1 11	22 13.33	− 9 11.4	3.035	2.390	15.8	20.8	42 E	27*	24*
1 21	22 29.25	− 7 29.6	3.075	2.347	14.2	20.7	36 E	25*	18*
497130 2004 PC_{67}									
5 16	21 42.95	−30 22.6	1.793	2.163	27.6	21.4	97 W	9*	86*
5 26	21 53.96	−28 52.6	1.633	2.113	27.8	21.1	104 W	12*	87
6 5	22 2.78	−27 17.0	1.477	2.063	27.4	20.8	110 W	15*	89
6 15	22 8.94	−25 34.0	1.327	2.014	26.5	20.5	118 W	18*	90
6 25	22 11.86	−23 40.6	1.186	1.965	24.7	20.2	126 W	21*	88
6 30	22 11.92	−22 38.6	1.120	1.940	23.5	20.0	130 W	22*	87
7 5	22 10.91	−21 32.1	1.057	1.916	22.0	19.8	135 W	23	86
7 10	22 8.77	−20 20.2	0.997	1.893	20.2	19.6	140 W	25	84
7 15	22 5.40	−19 2.1	0.942	1.869	18.1	19.4	145 W	26	83
7 20	22 0.80	−17 36.8	0.891	1.846	15.6	19.1	151 W	27	82
7 25	21 54.96	−16 3.5	0.846	1.823	12.9	18.9	156 W	29	80
8 4	21 39.82	−12 31.7	0.773	1.778	6.6	18.4	168 W	32	77
8 14	21 21.28	− 8 30.3	0.725	1.736	3.9	18.1	173 E	36	73
8 24	21 1.86	− 4 14.0	0.706	1.695	10.9	18.3	161 E	41	68
8 29	20 52.72	− 2 7.2	0.706	1.676	14.8	18.4	155 E	43	66
9 3	20 44.42	− 0 5.0	0.712	1.658	18.6	18.5	148 E	45	64
9 8	20 37.22	+ 1 50.7	0.724	1.640	22.2	18.6	142 E	47	62
9 13	20 31.32	+ 3 38.7	0.740	1.623	25.4	18.8	136 E	49	60
9 23	20 23.81	+ 6 50.9	0.782	1.592	30.8	19.0	126 E	52	57
10 3	20 22.00	+ 9 34.5	0.834	1.566	34.8	19.2	117 E	55	54
10 13	20 25.50	+11 57.0	0.892	1.543	37.6	19.4	109 E	57	52
10 18	20 29.05	+13 3.1	0.921	1.534	38.6	19.5	106 E	58	51
10 23	20 33.69	+14 6.9	0.951	1.526	39.4	19.6	103 E	59	50*
10 28	20 39.33	+15 9.1	0.981	1.519	40.0	19.6	101 E	60	48*
11 2	20 45.92	+16 10.3	1.011	1.514	40.5	19.7	98 E	61	47*
11 7	20 53.40	+17 11.1	1.041	1.509	40.8	19.8	96 E	62	45*
11 12	21 1.72	+18 12.0	1.070	1.507	41.0	19.8	94 E	63	43*
11 17	21 10.83	+19 13.3	1.099	1.505	41.0	19.9	92 E	64	40*
11 22	21 20.68	+20 15.0	1.128	1.505	41.0	20.0	90 E	65	38*
12 2	21 42.47	+22 20.2	1.186	1.509	40.7	20.1	88 E	67	33*
12 12	22 6.86	+24 27.4	1.245	1.519	40.2	20.2	85 E	69*	28*
12 22	22 33.60	+26 35.0	1.306	1.534	39.5	20.3	83 E	71*	24*
1 1	23 2.46	+28 40.0	1.371	1.554	38.7	20.4	81 E	72*	20*
1 11	23 33.19	+30 39.1	1.440	1.578	37.7	20.5	79 E	72*	17*
1 21	0 5.46	+32 28.4	1.517	1.607	36.6	20.6	77 E	70*	15*
313088 2000 UQ_{21}									
5 16	21 55.06	− 7 46.7	1.601	1.846	33.1	21.4	87 W	28*	71*
5 26	22 13.73	− 5 57.6	1.483	1.817	33.9	21.3	91 W	31*	70
6 5	22 31.70	− 4 9.0	1.369	1.790	34.3	21.1	96 W	34*	68
6 15	22 48.81	− 2 23.7	1.260	1.764	34.4	20.9	101 W	38*	66
6 25	23 4.88	− 0 44.9	1.156	1.740	34.1	20.6	106 W	41*	65
7 5	23 19.66	+ 0 43.9	1.058	1.719	33.3	20.4	112 W	45*	63
7 15	23 32.79	+ 1 58.0	0.967	1.699	31.9	20.1	118 W	47*	62
7 25	23 43.87	+ 2 52.8	0.884	1.682	29.9	19.9	124 W	48	61

21/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
	h m	° ′			°	m	°	°	°
313088 2000 UQ_{21} *(continuation)*									
7 30	23 48.51	+ 3 11.5	0.846	1.675	28.5	19.7	128 W	48	61
8 4	23 52.46	+ 3 23.4	0.810	1.668	27.0	19.6	132 W	48	61
8 9	23 55.67	+ 3 28.0	0.777	1.662	25.1	19.4	136 W	48	61
8 14	23 58.08	+ 3 24.7	0.747	1.657	23.1	19.3	140 W	48	61
8 24	0 0.46	+ 2 53.7	0.696	1.649	18.2	18.9	149 W	48	61
9 3	23 59.69	+ 1 51.2	0.660	1.643	12.3	18.6	160 W	47	62
9 13	23 56.39	+ 0 23.4	0.640	1.641	5.6	18.3	171 W	45	64
9 18	23 54.19	− 0 25.8	0.637	1.642	2.1	18.0	177 W	45	64
9 23	23 51.88	− 1 15.9	0.639	1.643	1.4	18.0	178 E	44	65
9 28	23 49.66	− 2 4.7	0.646	1.644	4.9	18.2	172 E	43	66
10 3	23 47.73	− 2 50.2	0.657	1.647	8.3	18.4	166 E	42	67
10 8	23 46.28	− 3 30.5	0.674	1.650	11.5	18.6	161 E	41	68
10 13	23 45.46	− 4 4.0	0.694	1.654	14.6	18.8	155 E	41	68
10 18	23 45.39	− 4 29.9	0.719	1.659	17.4	19.0	150 E	41	68
10 23	23 46.10	− 4 47.6	0.747	1.665	19.9	19.2	145 E	40	69
11 2	23 49.96	− 4 58.6	0.815	1.678	24.2	19.5	136 E	40	69
11 12	23 56.94	− 4 38.7	0.896	1.694	27.5	19.8	128 E	40	69
11 22	0 6.68	− 3 52.2	0.987	1.713	29.9	20.1	120 E	41	68
11 27	0 12.42	− 3 20.6	1.036	1.723	30.7	20.3	117 E	42	67
12 2	0 18.67	− 2 44.3	1.088	1.734	31.5	20.4	113 E	42	67
12 7	0 25.38	− 2 3.8	1.141	1.745	32.0	20.6	110 E	43	66
12 12	0 32.51	− 1 19.7	1.196	1.757	32.4	20.7	107 E	44	65*
12 17	0 40.00	− 0 32.5	1.252	1.770	32.7	20.8	104 E	44	64*
12 22	0 47.80	+ 0 17.1	1.310	1.783	32.8	20.9	101 E	45	63*
12 27	0 55.89	+ 1 8.7	1.370	1.796	32.8	21.0	98 E	46	61*
1 1	1 4.23	+ 2 2.0	1.430	1.810	32.8	21.1	95 E	47	59*
1 6	1 12.81	+ 2 56.5	1.492	1.824	32.6	21.2	93 E	48	56*
1 11	1 21.59	+ 3 51.8	1.555	1.838	32.3	21.3	90 E	49	54*
1 16	1 30.56	+ 4 47.7	1.619	1.853	32.0	21.4	87 E	50	52*
4034 Vishnu									
5 16	21 58.55	− 1 11.2	1.218	1.497	42.2	21.3	84 W	33*	65*
5 26	22 17.55	+ 0 49.4	1.106	1.475	43.3	21.1	88 W	36*	63
6 5	22 36.73	+ 2 53.0	0.991	1.447	44.5	20.9	92 W	40*	61
6 15	22 56.46	+ 4 59.2	0.877	1.414	45.6	20.6	96 W	44*	59
6 25	23 17.32	+ 7 7.5	0.763	1.374	46.7	20.3	100 W	48*	57
7 5	23 40.32	+ 9 18.1	0.651	1.329	48.1	19.9	103 W	52*	55
7 10	23 53.09	+10 24.3	0.596	1.304	48.9	19.7	105 W	53*	54
7 15	0 7.10	+11 31.0	0.543	1.277	49.9	19.5	106 W	55*	52
7 20	0 22.81	+12 38.2	0.491	1.249	51.2	19.2	107 W	57*	51
7 25	0 40.83	+13 45.6	0.440	1.220	52.8	19.0	107 W	58*	50
7 30	1 2.03	+14 52.5	0.392	1.188	54.9	18.7	107 W	59*	49
8 4	1 27.59	+15 56.7	0.347	1.156	57.9	18.5	105 W	61*	48
8 6	1 39.38	+16 20.6	0.330	1.142	59.3	18.4	104 W	61*	48
8 8	1 52.22	+16 42.8	0.314	1.129	60.9	18.3	103 W	61*	47
8 10	2 6.24	+17 2.6	0.299	1.115	62.8	18.2	102 W	61*	47
8 12	2 21.58	+17 19.0	0.284	1.101	64.9	18.2	100 W	61*	47
8 14	2 38.33	+17 31.1	0.271	1.086	67.3	18.1	98 W	61*	46
8 16	2 56.59	+17 37.5	0.258	1.072	69.9	18.1	96 W	61*	46
8 18	3 16.39	+17 36.6	0.248	1.057	72.9	18.0	94 W	60*	46
8 20	3 37.72	+17 26.7	0.238	1.042	76.1	18.0	91 W	59*	47
8 22	4 0.44	+17 6.5	0.231	1.027	79.7	18.1	87 W	57*	47*
8 24	4 24.31	+16 34.8	0.225	1.012	83.5	18.1	84 W	55*	47*
8 26	4 49.00	+15 51.0	0.222	0.996	87.4	18.2	80 W	53*	47*
8 28	5 14.07	+14 55.6	0.221	0.980	91.4	18.3	76 W	50*	47*
8 30	5 39.04	+13 50.2	0.222	0.964	95.4	18.5	72 W	47*	46*
9 1	6 3.44	+12 37.1	0.225	0.948	99.2	18.6	68 W	44*	45*
9 3	6 26.90	+11 19.3	0.231	0.932	102.8	18.8	64 W	41*	44*
9 5	6 49.12	+ 9 59.6	0.238	0.916	106.1	19.0	61 W	38*	43*
9 7	7 9.93	+ 8 40.7	0.248	0.900	109.0	19.2	58 W	36*	41*
9 9	7 29.25	+ 7 24.6	0.260	0.883	111.4	19.5	55 W	33*	39*
9 11	7 47.11	+ 6 12.8	0.273	0.867	113.5	19.7	52 W	31*	38*
9 13	8 3.57	+ 5 6.1	0.287	0.850	115.1	19.8	50 W	29*	37*
9 18	8 39.42	+ 2 43.5	0.330	0.809	117.5	20.2	46 W	26*	34*
9 23	9 9.30	+ 0 53.0	0.380	0.768	117.8	20.4	43 W	24*	31*
9 28	9 35.12	− 0 32.2	0.436	0.729	116.4	20.5	41 W	23*	30*
10 3	9 58.37	− 1 39.2	0.498	0.692	113.5	20.5	39 W	22*	28*
10 8	10 20.16	− 2 34.2	0.566	0.658	109.2	20.4	38 W	22*	27*
10 13	10 41.33	− 3 22.6	0.638	0.630	103.8	20.2	38 W	22*	26*
10 18	11 2.42	− 4 8.6	0.714	0.608	97.5	20.1	37 W	23*	25*
10 23	11 23.77	− 4 55.5	0.793	0.594	90.5	20.0	37 W	23*	24*
10 28	11 45.50	− 5 45.3	0.873	0.589	83.2	19.9	36 W	23*	23*
11 2	12 7.54	− 6 38.7	0.953	0.594	75.9	19.8	35 W	23*	22*
11 12	12 51.81	− 8 33.2	1.105	0.629	62.8	19.8	34 W	22*	20*
11 22	13 34.97	−10 28.2	1.239	0.690	52.7	20.0	34 W	22*	19*
12 2	14 16.01	−12 12.4	1.352	0.766	45.8	20.2	34 W	21*	19*

21/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
		4034 Vishnu						*(continuation)*	
	h m	° ′			°	m	°	°	°
12 12	14 54.60	−13 38.6	1.445	0.848	41.4	20.5	35 W	21*	20*
12 22	15 30.77	−14 43.6	1.519	0.930	38.7	20.7	36 W	22*	22*
1 1	16 4.72	−15 26.9	1.576	1.010	37.2	20.9	38 W	22*	25*
1 11	16 36.64	−15 49.0	1.615	1.085	36.5	21.1	41 W	22*	28*
1 21	17 6.68	−15 51.4	1.639	1.154	36.3	21.3	44 W	23*	32*
		6611 1993 *VW*							
5 16	22 3.27	− 2 31.2	2.182	2.293	26.0	21.5	83 W	32*	66*
5 26	22 9.76	− 1 12.5	2.080	2.325	25.8	21.4	91 W	35*	65
6 5	22 14.08	− 0 2.0	1.976	2.354	25.2	21.3	99 W	40*	64
6 15	22 15.92	+ 0 57.8	1.872	2.380	24.0	21.2	107 W	43*	63
6 25	22 15.02	+ 1 43.9	1.772	2.404	22.2	21.0	116 W	46*	62
7 5	22 11.15	+ 2 13.0	1.681	2.426	19.7	20.8	126 W	47	62
7 15	22 4.24	+ 2 21.9	1.604	2.446	16.5	20.7	137 W	47	62
7 25	21 54.53	+ 2 7.7	1.544	2.463	12.8	20.5	148 W	47	62
8 4	21 42.64	+ 1 30.1	1.508	2.478	8.8	20.3	158 W	47	62
8 14	21 29.58	+ 0 31.2	1.498	2.490	6.0	20.1	165 E	46	63
8 19	21 23.03	− 0 4.5	1.504	2.496	5.9	20.1	165 E	45	64
8 24	21 16.70	− 0 43.1	1.516	2.500	6.8	20.2	163 E	44	65
8 29	21 10.73	− 1 23.6	1.536	2.505	8.4	20.3	159 E	44	65
9 3	21 5.25	− 2 4.9	1.563	2.508	10.2	20.4	154 E	43	66
9 8	21 0.40	− 2 46.2	1.596	2.512	12.1	20.5	149 E	42	67
9 13	20 56.25	− 3 26.5	1.635	2.514	13.9	20.7	143 E	42	67
9 18	20 52.87	− 4 4.9	1.679	2.516	15.6	20.8	138 E	41	68
9 23	20 50.28	− 4 41.0	1.729	2.518	17.1	20.9	132 E	40	69
9 28	20 48.48	− 5 14.2	1.782	2.519	18.5	21.0	127 E	40	69
10 3	20 47.47	− 5 44.3	1.839	2.519	19.6	21.1	122 E	39	70
10 8	20 47.22	− 6 11.1	1.899	2.519	20.6	21.2	117 E	39	70
10 13	20 47.71	− 6 34.3	1.961	2.518	21.5	21.3	113 E	38	71
10 18	20 48.89	− 6 54.0	2.025	2.516	22.1	21.4	108 E	38	71
10 23	20 50.71	− 7 10.1	2.091	2.515	22.6	21.5	103 E	38	71
		436761 2012 *DN*							
5 16	22 15.48	+ 0 43.6	1.382	1.552	39.8	21.3	79 W	33*	62*
5 26	22 46.75	+ 2 28.1	1.237	1.468	42.9	21.1	81 W	34*	61*
6 5	23 22.29	+ 4 14.3	1.105	1.383	46.5	20.8	81 W	35*	60*
6 15	0 3.27	+ 5 56.8	0.989	1.299	50.5	20.5	81 W	36*	58*
6 25	0 50.69	+ 7 26.9	0.895	1.217	55.0	20.3	79 W	36*	56*
6 30	1 16.96	+ 8 3.7	0.857	1.178	57.4	20.2	77 W	36*	55*
7 5	1 44.81	+ 8 32.8	0.827	1.139	59.8	20.1	76 W	35*	55*
7 10	2 14.00	+ 8 52.5	0.805	1.103	62.1	20.1	73 W	35*	54*
7 15	2 44.15	+ 9 1.9	0.791	1.068	64.3	20.0	71 W	34*	53*
7 20	3 14.78	+ 9 0.6	0.786	1.035	66.2	20.0	69 W	33*	52*
7 25	3 45.38	+ 8 49.3	0.789	1.005	67.7	20.0	66 W	32*	51*
7 30	4 15.48	+ 8 29.5	0.800	0.979	68.8	20.0	64 W	31*	49*
8 4	4 44.64	+ 8 3.1	0.818	0.956	69.3	20.0	62 W	30*	48*
8 9	5 12.59	+ 7 32.1	0.842	0.937	69.2	20.0	60 W	29*	47*
8 14	5 39.15	+ 6 58.5	0.872	0.923	68.6	20.0	58 W	29*	45*
8 19	6 4.28	+ 6 23.8	0.906	0.914	67.6	20.1	57 W	29*	44*
8 24	6 27.99	+ 5 49.1	0.942	0.910	66.1	20.1	55 W	29*	43*
9 3	7 11.47	+ 4 41.7	1.020	0.918	62.5	20.2	54 W	29*	41*
9 13	7 50.24	+ 3 37.8	1.096	0.946	58.5	20.3	53 W	30*	40*
9 23	8 24.91	+ 2 37.6	1.167	0.991	54.7	20.4	54 W	32*	40*
10 3	8 56.01	+ 1 40.7	1.227	1.051	51.4	20.6	55 W	34*	40*
10 13	9 23.86	+ 0 48.0	1.274	1.121	48.7	20.7	58 W	37*	40*
10 23	9 48.72	+ 0 1.2	1.307	1.197	46.6	20.8	61 W	39*	42*
11 2	10 10.78	− 0 37.3	1.325	1.278	44.8	21.0	65 W	41*	44*
11 12	10 30.07	− 1 4.7	1.329	1.362	43.2	21.1	70 W	43*	47*
11 22	10 46.59	− 1 17.4	1.318	1.446	41.5	21.1	76 W	44*	51*
12 2	11 0.22	− 1 11.7	1.296	1.531	39.7	21.2	83 W	44	55*
12 12	11 10.71	− 0 43.1	1.264	1.615	37.6	21.2	91 W	44	59*
12 22	11 17.76	+ 0 13.0	1.226	1.698	34.8	21.1	100 W	45	62*
1 1	11 21.01	+ 1 41.0	1.186	1.779	31.3	21.1	110 W	47	62
1 11	11 20.11	+ 3 44.0	1.149	1.859	27.0	21.0	121 W	49	60
1 21	11 14.98	+ 6 20.7	1.123	1.936	21.7	20.8	133 W	51	58
		99761 2002 JK_{101}							
5 16	22 24.18	−16 27.1	2.999	3.051	19.2	21.5	83 W	17*	76*
5 26	22 31.93	−16 46.4	2.857	3.052	19.4	21.4	91 W	19*	81*
6 5	22 38.27	−17 19.7	2.714	3.051	19.1	21.3	100 W	21*	81
6 15	22 42.95	−18 8.9	2.575	3.050	18.4	21.1	108 W	23*	82
6 25	22 45.76	−19 15.3	2.444	3.047	17.2	21.0	117 W	24*	83
7 5	22 46.46	−20 39.5	2.324	3.044	15.5	20.8	127 W	24*	85
7 15	22 44.86	−22 20.2	2.220	3.040	13.3	20.6	137 W	23	86
7 25	22 40.86	−24 13.8	2.136	3.035	10.7	20.4	146 W	21	88
7 30	22 38.00	−25 13.8	2.102	3.032	9.3	20.3	151 W	20	89
8 4	22 34.59	−26 14.5	2.076	3.028	8.0	20.3	155 W	19	90
8 9	22 30.70	−27 14.9	2.056	3.025	6.8	20.2	159 W	18	89
8 14	22 26.40	−28 13.8	2.043	3.021	6.1	20.1	162 W	17	88

21/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
		99761 2002 JK_{101}						*(continuation)*	
	h m	° ′			°	m	°	°	°
8 19	22 21.78	−29 10.1	2.037	3.017	5.8	20.1	162 W	16	87
8 24	22 16.97	−30 2.5	2.039	3.013	6.2	20.1	161 W	15	86
8 29	22 12.08	−30 50.3	2.048	3.009	7.1	20.2	158 E	14	85
9 3	22 7.23	−31 32.7	2.063	3.004	8.4	20.2	154 E	13	84
9 8	22 2.56	−32 9.0	2.086	2.999	9.7	20.3	150 E	13	84
9 13	21 58.20	−32 39.0	2.114	2.994	11.1	20.4	145 E	12	83
9 18	21 54.25	−33 2.7	2.149	2.989	12.5	20.5	140 E	12	83
9 23	21 50.80	−33 20.0	2.188	2.984	13.8	20.6	135 E	12	83
9 28	21 47.93	−33 31.4	2.233	2.978	14.9	20.6	130 E	11	82
10 3	21 45.68	−33 37.2	2.281	2.972	16.0	20.7	125 E	11	82
10 8	21 44.08	−33 37.8	2.333	2.966	16.9	20.8	120 E	11	82
10 13	21 43.17	−33 33.5	2.388	2.959	17.7	20.9	116 E	11	82
10 18	21 42.93	−33 25.0	2.446	2.953	18.4	20.9	111 E	12	83
10 23	21 43.35	−33 12.6	2.505	2.946	18.9	21.0	106 E	12	83
10 28	21 44.40	−32 56.8	2.566	2.938	19.3	21.1	102 E	12	83
11 2	21 46.06	−32 37.8	2.628	2.931	19.6	21.1	98 E	12	83
11 7	21 48.30	−32 16.1	2.690	2.924	19.8	21.2	94 E	13	84*
11 12	21 51.08	−31 51.7	2.752	2.916	19.8	21.2	89 E	13	82*
11 17	21 54.36	−31 25.1	2.814	2.908	19.8	21.3	85 E	14	79*
11 22	21 58.10	−30 56.4	2.874	2.899	19.7	21.3	82 E	14	76*
11 27	22 2.27	−30 25.8	2.934	2.891	19.5	21.3	78 E	15	72*
12 2	22 6.83	−29 53.4	2.993	2.882	19.2	21.4	74 E	15	68*
12 7	22 11.76	−29 19.3	3.050	2.873	18.8	21.4	70 E	16	64*
12 12	22 17.01	−28 43.7	3.104	2.864	18.4	21.4	67 E	16	60*
12 17	22 22.56	−28 6.7	3.157	2.855	17.9	21.4	63 E	17*	56*
12 22	22 28.38	−27 28.4	3.207	2.845	17.4	21.4	60 E	17*	52*
12 27	22 34.45	−26 48.9	3.255	2.835	16.8	21.4	57 E	17*	48*
1 1	22 40.74	−26 8.1	3.300	2.825	16.2	21.4	53 E	17*	45*
1 6	22 47.24	−25 26.4	3.342	2.815	15.6	21.4	50 E	17*	42*
1 11	22 53.92	−24 43.6	3.381	2.804	14.9	21.4	47 E	17*	39*
1 16	23 0.77	−23 59.9	3.417	2.793	14.2	21.4	44 E	16*	36*
1 21	23 7.77	−23 15.5	3.449	2.782	13.4	21.4	41 E	15*	33*
		387514 1999 RM_{190}							
5 16	22 29.67	−10 45.6	1.500	1.656	36.9	21.5	80 W	21*	71*
5 26	22 52.40	− 8 41.5	1.412	1.643	37.8	21.3	84 W	24*	72*
6 5	23 14.32	− 6 37.6	1.327	1.633	38.4	21.2	87 W	27*	71*
6 15	23 35.26	− 4 37.0	1.245	1.625	38.7	21.1	91 W	31*	69
6 25	23 55.03	− 2 42.6	1.166	1.620	38.6	20.9	96 W	35*	67
7 5	0 13.41	− 0 57.3	1.090	1.617	38.2	20.8	100 W	39*	65
7 15	0 30.03	+ 0 35.6	1.018	1.618	37.3	20.6	105 W	43*	63
7 25	0 44.48	+ 1 53.2	0.950	1.621	35.8	20.4	111 W	46*	62
8 4	0 56.29	+ 2 52.8	0.887	1.626	33.6	20.2	117 W	48	61
8 14	1 4.83	+ 3 31.7	0.829	1.635	30.6	20.0	125 W	49	60
8 24	1 9.59	+ 3 48.2	0.780	1.646	26.6	19.7	133 W	49	60
9 3	1 10.20	+ 3 42.1	0.740	1.659	21.6	19.5	143 W	49	60
9 13	1 6.67	+ 3 15.1	0.714	1.675	15.7	19.2	153 W	48	61
9 18	1 3.56	+ 2 55.6	0.707	1.684	12.4	19.1	159 W	48	61
9 23	0 59.76	+ 2 33.6	0.704	1.693	9.0	19.0	165 W	48	61
9 28	0 55.48	+ 2 10.2	0.706	1.703	5.6	18.8	171 W	47	62
10 3	0 50.93	+ 1 46.9	0.713	1.713	2.5	18.7	176 W	47	62
10 8	0 46.37	+ 1 25.2	0.725	1.723	2.7	18.8	175 E	46	63
10 13	0 42.06	+ 1 6.4	0.743	1.734	5.7	19.0	170 E	46	63
10 18	0 38.22	+ 0 51.7	0.766	1.746	8.9	19.2	164 E	46	63
10 23	0 35.02	+ 0 41.9	0.793	1.757	11.9	19.4	159 E	46	63
11 2	0 30.98	+ 0 38.7	0.862	1.782	17.3	19.8	148 E	46	63
11 12	0 30.44	+ 0 57.8	0.948	1.808	21.6	20.2	138 E	46	63
11 22	0 33.35	+ 1 37.7	1.047	1.835	24.9	20.6	129 E	47	62
12 2	0 39.30	+ 2 34.7	1.159	1.862	27.2	20.9	120 E	48	61
12 12	0 47.85	+ 3 45.7	1.279	1.890	28.7	21.2	113 E	49	60
12 22	0 58.54	+ 5 7.3	1.407	1.919	29.6	21.4	105 E	50	58*
		31318 1998 GQ_{10}							
5 16	22 37.14	− 3 6.7	3.319	3.217	17.7	21.5	75 W	27*	63*
5 26	22 44.61	− 2 11.7	3.152	3.190	18.4	21.4	83 W	30*	66*
6 5	22 50.95	− 1 22.0	2.981	3.161	18.7	21.2	91 W	34*	65
6 15	22 55.96	− 0 39.2	2.811	3.132	18.7	21.1	99 W	38*	65
6 25	22 59.43	− 0 5.1	2.644	3.101	18.2	20.9	107 W	42*	64
7 5	23 1.15	+ 0 18.4	2.483	3.070	17.3	20.7	116 W	45*	64
7 15	23 0.92	+ 0 29.2	2.331	3.038	15.8	20.5	126 W	45	64
7 25	22 58.57	+ 0 25.4	2.193	3.004	13.7	20.3	136 W	45	64
8 4	22 54.09	+ 0 5.5	2.073	2.970	11.0	20.0	146 W	45	64
8 14	22 47.59	− 0 31.0	1.975	2.935	7.7	19.8	157 W	44	65
8 24	22 39.51	− 1 22.7	1.903	2.899	4.2	19.5	168 W	44	65
9 3	22 30.50	− 2 26.3	1.858	2.862	2.4	19.3	173 E	43	66
9 8	22 25.90	− 3 1.0	1.847	2.844	3.6	19.3	170 E	42	67
9 13	22 21.42	− 3 36.5	1.842	2.825	5.5	19.4	164 E	41	68
9 18	22 17.16	− 4 12.1	1.845	2.805	7.4	19.5	159 E	41	68
9 23	22 13.24	− 4 46.9	1.854	2.786	9.4	19.6	153 E	40	69
9 28	22 9.75	− 5 20.2	1.870	2.766	11.3	19.7	147 E	40	69
10 3	22 6.76	− 5 51.5	1.891	2.746	13.1	19.7	142 E	39	70

21/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
	31318 1998 GQ_{10}				*(continuation)*				
	h m	° ′			°	m	°	°	°
10 13	22 2.58	− 6 45.4	1.949	2.706	16.3	19.9	131 E	38	71
10 23	22 1.02	− 7 25.6	2.023	2.665	18.8	20.0	120 E	38	71
11 2	22 2.12	− 7 50.6	2.108	2.623	20.8	20.1	110 E	37	72
11 12	22 5.78	− 8 0.2	2.200	2.580	22.1	20.2	101 E	37	72*
11 22	22 11.79	− 7 54.5	2.295	2.537	22.9	20.3	92 E	37	69*
12 2	22 19.89	− 7 34.5	2.389	2.493	23.2	20.4	84 E	37	62*
12 12	22 29.84	− 7 1.0	2.479	2.448	23.0	20.4	77 E	38	55*
12 22	22 41.39	− 6 14.8	2.564	2.403	22.5	20.4	69 E	39*	48*
1 1	22 54.33	− 5 17.1	2.641	2.357	21.7	20.4	63 E	39*	41*
1 11	23 8.51	− 4 8.8	2.709	2.310	20.7	20.4	56 E	37*	34*
1 21	23 23.77	− 2 51.0	2.768	2.264	19.4	20.4	50 E	35*	29*
	412869 2014 QP_2								
5 16	22 39.51	− 7 27.2	1.630	1.705	35.2	21.5	76 W	23*	67*
5 26	22 57.80	− 5 22.2	1.567	1.729	35.4	21.4	81 W	26*	68*
6 5	23 14.30	− 3 24.3	1.503	1.756	35.2	21.4	86 W	30*	67*
6 15	23 28.82	− 1 36.2	1.437	1.784	34.7	21.3	92 W	34*	66
6 25	23 41.12	− 0 0.6	1.371	1.813	33.7	21.2	98 W	39*	64
7 5	23 50.92	+ 1 20.2	1.306	1.844	32.3	21.1	104 W	43*	63
7 15	23 57.85	+ 2 23.4	1.242	1.877	30.2	20.9	112 W	47*	62
7 25	0 1.56	+ 3 6.1	1.183	1.910	27.3	20.8	120 W	48	61
8 4	0 1.81	+ 3 26.2	1.132	1.944	23.7	20.6	130 W	48	61
8 14	23 58.48	+ 3 21.8	1.092	1.978	19.2	20.4	140 W	48	61
8 24	23 51.91	+ 2 53.4	1.067	2.013	14.0	20.3	151 W	48	61
8 29	23 47.65	+ 2 31.2	1.062	2.031	11.1	20.2	157 W	48	61
9 3	23 42.90	+ 2 4.5	1.062	2.049	8.2	20.1	163 W	47	62
9 8	23 37.86	+ 1 34.5	1.068	2.067	5.3	20.0	169 W	47	62
9 13	23 32.71	+ 1 2.3	1.080	2.084	2.6	19.8	175 W	46	63
9 18	23 27.67	+ 0 29.2	1.099	2.102	2.0	19.9	176 E	45	64
9 23	23 22.90	− 0 3.4	1.123	2.120	4.3	20.1	171 E	45	64
9 28	23 18.56	− 0 34.5	1.154	2.138	7.0	20.3	165 E	44	65
10 3	23 14.78	− 1 3.0	1.190	2.155	9.5	20.5	159 E	44	65
10 8	23 11.67	− 1 28.1	1.233	2.173	11.9	20.7	153 E	44	65
10 13	23 9.30	− 1 49.3	1.280	2.191	14.0	20.8	148 E	43	66
10 18	23 7.70	− 2 6.0	1.333	2.208	15.9	21.0	143 E	43	66
10 23	23 6.86	− 2 18.2	1.390	2.226	17.7	21.2	137 E	43	66
10 28	23 6.77	− 2 25.7	1.451	2.243	19.1	21.3	132 E	43	66
11 2	23 7.41	− 2 28.7	1.516	2.260	20.4	21.5	127 E	43	66
	509871 2009 BX_2								
5 16	23 11.42	− 8 55.1	2.102	1.993	28.4	21.4	70 W	17*	63*
5 26	23 32.76	− 7 47.2	1.964	1.947	30.0	21.2	74 W	19*	66*
6 5	23 54.46	− 6 43.3	1.829	1.903	31.5	21.1	78 W	21*	68*
6 15	0 16.50	− 5 45.8	1.698	1.860	32.8	20.9	82 W	24*	69*
6 25	0 38.89	− 4 56.9	1.572	1.819	33.9	20.7	86 W	27*	69*
7 5	1 1.60	− 4 19.1	1.453	1.779	34.8	20.5	90 W	31*	68
7 15	1 24.52	− 3 55.1	1.340	1.742	35.6	20.3	94 W	34*	68
7 25	1 47.50	− 3 47.6	1.235	1.708	36.1	20.1	98 W	37*	68
8 4	2 10.29	− 3 58.6	1.139	1.676	36.3	19.9	102 W	39*	68
8 14	2 32.53	− 4 29.9	1.050	1.648	36.2	19.7	106 W	40*	68
8 24	2 53.76	− 5 21.7	0.971	1.624	35.8	19.5	110 W	40*	69
9 3	3 13.41	− 6 33.0	0.901	1.604	35.0	19.2	114 W	38	71
9 8	3 22.43	− 7 15.1	0.869	1.595	34.5	19.1	116 W	38	71
9 13	3 30.79	− 8 0.6	0.839	1.588	33.8	19.0	118 W	37	72
9 18	3 38.41	− 8 48.8	0.811	1.582	33.1	18.9	121 W	36	73
9 23	3 45.21	− 9 38.5	0.786	1.577	32.2	18.8	123 W	35	74
9 28	3 51.09	−10 28.7	0.763	1.573	31.3	18.7	125 W	35	74
10 3	3 55.97	−11 18.0	0.742	1.570	30.2	18.6	128 W	34	75
10 8	3 59.77	−12 4.9	0.724	1.569	29.0	18.5	130 W	33	76
10 13	4 2.46	−12 47.3	0.708	1.569	27.7	18.5	133 W	32	77
10 18	4 4.04	−13 23.4	0.695	1.570	26.3	18.4	136 W	32	77
10 23	4 4.52	−13 51.3	0.684	1.572	25.0	18.3	138 W	31	78
10 28	4 3.95	−14 9.0	0.676	1.576	23.6	18.2	141 W	31	78
11 2	4 2.44	−14 15.0	0.672	1.581	22.3	18.2	143 W	31	78
11 7	4 0.14	−14 7.4	0.670	1.587	21.1	18.2	145 W	31	78
11 12	3 57.25	−13 45.3	0.672	1.594	20.1	18.2	146 W	31	78
11 17	3 54.02	−13 8.3	0.678	1.602	19.4	18.2	147 W	32	77
11 22	3 50.68	−12 16.7	0.688	1.611	19.1	18.2	148 W	33	76
11 27	3 47.46	−11 11.5	0.702	1.622	19.2	18.3	147 E	34	75
12 2	3 44.58	− 9 54.1	0.719	1.633	19.7	18.3	146 E	35	74
12 7	3 42.23	− 8 26.3	0.742	1.646	20.4	18.4	144 E	37	72
12 12	3 40.56	− 6 50.4	0.768	1.659	21.4	18.6	142 E	38	71
12 17	3 39.68	− 5 8.5	0.799	1.673	22.5	18.7	139 E	40	69
12 22	3 39.63	− 3 23.0	0.833	1.689	23.6	18.9	137 E	42	67
12 27	3 40.43	− 1 35.8	0.872	1.704	24.8	19.0	133 E	43	66
1 1	3 42.07	+ 0 11.6	0.914	1.721	25.9	19.2	130 E	45	64
1 6	3 44.54	+ 1 57.8	0.960	1.739	26.9	19.3	127 E	47	62
1 11	3 47.80	+ 3 41.8	1.010	1.757	27.8	19.5	124 E	49	60
1 16	3 51.81	+ 5 22.5	1.063	1.775	28.6	19.6	120 E	50	59
1 21	3 56.49	+ 6 59.4	1.118	1.795	29.2	19.8	117 E	52	57

21/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
	162913 2001 MT_{18}								
	h m	° ′			°	m	°	°	°
5 26	0 46.01	+45 49.1	0.217	0.883	121.1	19.5	48 W	41*	11*
5 28	0 24.21	+45 58.7	0.213	0.902	115.8	19.2	53 W	46*	14*
5 30	0 2.26	+45 52.0	0.210	0.921	110.6	18.8	58 W	50*	16*
6 1	23 40.47	+45 29.2	0.208	0.939	105.3	18.6	63 W	55*	18*
6 3	23 19.09	+44 51.1	0.206	0.958	100.1	18.3	68 W	60*	19*
6 5	22 58.34	+43 58.6	0.206	0.976	94.9	18.1	73 W	64*	20
6 7	22 38.36	+42 52.9	0.206	0.995	89.8	17.9	79 W	68*	21
6 9	22 19.28	+41 35.3	0.206	1.013	84.8	17.8	84 W	73*	22
6 11	22 1.15	+40 7.2	0.207	1.031	79.8	17.6	89 W	77*	24
6 13	21 44.00	+38 29.9	0.209	1.049	75.0	17.5	94 W	80*	26
6 15	21 27.84	+36 44.8	0.212	1.067	70.3	17.4	98 W	81*	27
6 17	21 12.67	+34 53.3	0.215	1.085	65.7	17.4	103 W	80	29
6 19	20 58.46	+32 56.6	0.218	1.103	61.2	17.3	108 W	78	31
6 21	20 45.19	+30 56.2	0.223	1.121	56.9	17.2	112 W	76	33
6 23	20 32.82	+28 53.2	0.228	1.138	52.8	17.2	117 W	74	35
6 25	20 21.31	+26 49.0	0.234	1.155	48.8	17.2	121 W	72	37
6 27	20 10.61	+24 44.5	0.241	1.172	45.0	17.2	125 W	70	39
6 29	20 0.70	+22 40.8	0.248	1.189	41.5	17.2	129 W	68	41
7 1	19 51.52	+20 38.7	0.257	1.206	38.2	17.2	133 W	66	43
7 3	19 43.04	+18 38.9	0.266	1.223	35.1	17.2	136 W	64	45
7 5	19 35.23	+16 42.1	0.276	1.239	32.3	17.2	139 W	62	47
7 10	19 18.40	+12 6.2	0.304	1.279	26.7	17.3	146 W	57	52
7 15	19 5.07	+ 7 57.0	0.337	1.318	23.1	17.5	149 E	53	56
7 20	18 54.80	+ 4 16.2	0.374	1.355	21.5	17.8	151 E	49	60
7 25	18 47.17	+ 1 3.2	0.417	1.391	21.6	18.1	150 E	46	63
7 30	18 41.77	− 1 44.4	0.463	1.426	22.7	18.4	147 E	43	66
8 4	18 38.30	− 4 9.5	0.513	1.460	24.2	18.7	144 E	41	68
8 9	18 36.50	− 6 15.1	0.566	1.493	25.9	19.0	140 E	39	70
8 14	18 36.14	− 8 3.7	0.623	1.524	27.5	19.3	136 E	37	72
8 19	18 37.02	− 9 37.7	0.683	1.554	29.0	19.6	132 E	35	74
8 24	18 38.97	−10 58.9	0.745	1.582	30.2	19.9	128 E	34	75
8 29	18 41.84	−12 9.1	0.809	1.610	31.3	20.1	124 E	33	76
9 3	18 45.50	−13 9.6	0.876	1.636	32.2	20.3	120 E	32	77
9 8	18 49.86	−14 1.8	0.944	1.661	32.8	20.6	117 E	31	78
9 13	18 54.85	−14 46.3	1.014	1.685	33.3	20.8	113 E	30	79
9 18	19 0.37	−15 24.0	1.086	1.708	33.7	20.9	109 E	30	79
9 23	19 6.36	−15 55.5	1.158	1.729	33.9	21.1	106 E	29	80
9 28	19 12.76	−16 21.4	1.231	1.750	34.0	21.3	103 E	29	80
10 3	19 19.53	−16 42.1	1.305	1.769	33.9	21.4	99 E	28	81
	100756 1998 FM_5								
5 26	1 4.32	+ 6 21.1	2.985	2.418	18.0	21.4	47 W	14*	40*
6 5	1 20.56	+ 7 35.5	2.828	2.358	20.1	21.3	53 W	18*	44*
6 15	1 37.16	+ 8 46.1	2.664	2.297	22.1	21.2	58 W	22*	47*
6 25	1 54.17	+ 9 51.5	2.495	2.233	24.0	21.1	63 W	27*	49*
7 5	2 11.65	+10 50.7	2.323	2.168	25.9	20.9	69 W	33*	51*
7 15	2 29.64	+11 42.0	2.148	2.101	27.7	20.7	74 W	38*	51*
7 25	2 48.21	+12 23.7	1.972	2.033	29.3	20.5	79 W	44*	51*
8 4	3 7.45	+12 53.8	1.798	1.962	30.9	20.3	84 W	49*	51*
8 14	3 27.44	+13 9.5	1.626	1.891	32.4	20.0	88 W	53*	51
8 19	3 37.74	+13 11.1	1.542	1.854	33.1	19.9	91 W	54*	51
8 24	3 48.27	+13 7.9	1.459	1.818	33.7	19.7	93 W	56*	51
8 29	3 59.07	+12 59.4	1.378	1.781	34.4	19.6	95 W	57*	51
9 3	4 10.13	+12 45.1	1.298	1.743	35.0	19.4	97 W	57*	51
9 8	4 21.49	+12 24.3	1.220	1.706	35.6	19.3	99 W	57*	52
9 13	4 33.17	+11 56.4	1.144	1.668	36.2	19.1	102 W	57	52
9 18	4 45.22	+11 20.5	1.071	1.630	36.8	18.9	103 W	56	53
9 23	4 57.67	+10 35.9	1.000	1.592	37.5	18.7	105 W	56	53
9 28	5 10.59	+ 9 41.6	0.932	1.554	38.1	18.5	107 W	55	54
10 3	5 24.02	+ 8 36.6	0.867	1.516	38.8	18.3	108 W	54	55
10 8	5 38.02	+ 7 19.8	0.806	1.478	39.6	18.1	109 W	52	57
10 13	5 52.69	+ 5 50.2	0.747	1.440	40.5	18.0	110 W	51	58
10 18	6 8.13	+ 4 6.8	0.692	1.403	41.5	17.8	111 W	49	60
10 23	6 24.46	+ 2 8.8	0.642	1.366	42.7	17.6	111 W	47	62
11 2	7 0.35	− 2 33.4	0.553	1.294	45.9	17.2	111 W	42	67
11 12	7 41.48	− 8 13.2	0.482	1.226	50.2	16.9	108 W	37	72
11 22	8 29.11	−14 29.1	0.430	1.163	55.8	16.7	103 W	31	78
11 27	8 55.57	−17 37.8	0.412	1.135	58.8	16.7	100 W	27	82
12 2	9 23.70	−20 37.3	0.399	1.109	62.0	16.6	97 W	24	84*
12 7	9 53.24	−23 19.7	0.390	1.085	65.0	16.6	94 W	22	85*
12 12	10 23.83	−25 37.9	0.385	1.064	67.8	16.6	91 W	19	84*
12 17	10 54.94	−27 27.1	0.385	1.046	70.2	16.7	88 W	18	82*
12 22	11 25.99	−28 45.0	0.388	1.031	72.1	16.7	86 W	16	80*
12 27	11 56.36	−29 32.0	0.393	1.020	73.5	16.8	84 W	15	78*
1 1	12 25.52	−29 50.4	0.401	1.013	74.3	16.8	83 W	15	76*
1 6	12 53.08	−29 43.6	0.411	1.010	74.5	16.9	82 W	15	76*
1 11	13 18.79	−29 15.7	0.422	1.011	74.2	16.9	81 W	16	75*
1 16	13 42.55	−28 30.8	0.433	1.016	73.4	17.0	82 W	16	75*
1 21	14 4.34	−27 32.7	0.445	1.024	72.2	17.0	82 W	17	76*

21/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
	302311 2002 *AA*								
	h m	° ′			°	m	°	°	°
5 26	1 5.60	+ 9 56.2	1.166	0.860	57.7	21.5	46 W	16*	37*
5 31	1 28.47	+13 4.3	1.183	0.843	57.1	21.5	44 W	17*	35*
6 5	1 51.86	+16 2.1	1.204	0.829	56.3	21.4	43 W	18*	32*
6 10	2 15.80	+18 46.8	1.229	0.817	55.1	21.4	41 W	19*	30*
6 15	2 40.27	+21 15.9	1.257	0.808	53.7	21.4	40 W	20*	28*
6 20	3 5.23	+23 27.4	1.288	0.803	52.1	21.4	39 W	20*	25*
6 25	3 30.60	+25 19.6	1.321	0.801	50.3	21.4	37 W	21*	23*
6 30	3 56.26	+26 51.3	1.355	0.802	48.3	21.4	36 W	21*	21*
7 5	4 22.04	+28 2.1	1.390	0.807	46.3	21.4	35 W	21*	20*
7 10	4 47.75	+28 51.9	1.426	0.816	44.3	21.4	34 W	22*	18*
7 15	5 13.20	+29 21.2	1.461	0.827	42.4	21.5	33 W	22*	17*
7 20	5 38.18	+29 31.1	1.496	0.841	40.5	21.5	33 W	22*	16*
	259871 2004 DP_1								
5 26	2 1.63	+12 17.6	2.419	1.651	19.0	21.5	32 W	8*	25*
6 5	2 29.12	+14 40.6	2.346	1.617	20.9	21.4	35 W	11*	27*
6 15	2 57.75	+16 53.8	2.276	1.586	22.6	21.4	37 W	14*	28*
6 25	3 27.51	+18 53.7	2.208	1.558	24.3	21.3	39 W	17*	28*
7 5	3 58.35	+20 36.9	2.145	1.534	25.9	21.3	41 W	21*	29*
7 15	4 30.15	+22 0.0	2.085	1.513	27.4	21.2	43 W	24*	29*
7 25	5 2.65	+23 0.3	2.029	1.497	28.8	21.2	45 W	28*	28*
8 4	5 35.59	+23 35.7	1.977	1.486	30.0	21.1	47 W	32*	28*
8 14	6 8.57	+23 45.2	1.928	1.480	31.2	21.1	49 W	35*	28*
8 24	6 41.21	+23 29.1	1.882	1.479	32.3	21.1	51 W	39*	28*
9 3	7 13.12	+22 48.9	1.838	1.482	33.2	21.1	54 W	42*	28*
9 13	7 43.97	+21 47.1	1.796	1.491	34.1	21.1	56 W	45*	29*
9 23	8 13.46	+20 27.3	1.754	1.504	34.8	21.0	59 W	48*	29*
10 3	8 41.41	+18 53.2	1.711	1.522	35.5	21.0	62 W	50*	31*
10 13	9 7.64	+17 9.3	1.667	1.544	36.0	21.0	65 W	53*	32*
10 23	9 32.03	+15 19.7	1.620	1.570	36.3	21.0	69 W	55*	35*
11 2	9 54.51	+13 28.6	1.571	1.600	36.5	21.0	73 W	56*	37*
11 12	10 14.95	+11 39.9	1.519	1.632	36.4	21.0	78 W	56*	41*
11 22	10 33.22	+ 9 57.5	1.463	1.668	36.0	20.9	83 W	55	45*
12 2	10 49.13	+ 8 24.9	1.404	1.705	35.3	20.8	89 W	53	49*
12 12	11 2.42	+ 7 5.7	1.343	1.745	34.2	20.8	96 W	52	53*
12 22	11 12.78	+ 6 3.3	1.282	1.786	32.4	20.7	103 W	51	57*
1 1	11 19.85	+ 5 20.8	1.222	1.828	30.0	20.5	112 W	50	59
1 11	11 23.23	+ 5 1.3	1.166	1.871	26.8	20.4	121 W	50	59
1 21	11 22.68	+ 5 6.2	1.119	1.915	22.8	20.2	131 W	50	59
	530938 2011 *XE*								
5 26	2 20.52	+24 55.0	0.857	0.442	97.2	20.7	26 W	14*	14*
5 28	2 24.04	+25 6.9	0.902	0.454	90.4	20.6	27 W	14*	15*
5 30	2 28.64	+25 16.6	0.947	0.468	84.3	20.5	27 W	15*	15*
6 1	2 34.08	+25 24.5	0.990	0.484	78.8	20.5	28 W	15*	16*
6 3	2 40.18	+25 30.8	1.032	0.501	73.9	20.5	28 W	15*	16*
6 5	2 46.76	+25 35.6	1.072	0.519	69.5	20.5	29 W	15*	16*
6 7	2 53.71	+25 39.1	1.110	0.538	65.7	20.5	29 W	15*	17*
6 9	3 0.91	+25 41.2	1.146	0.557	62.3	20.5	29 W	15*	17*
6 11	3 8.28	+25 42.1	1.181	0.577	59.2	20.6	29 W	15*	17*
6 13	3 15.77	+25 41.7	1.214	0.598	56.6	20.7	29 W	15*	17*
6 15	3 23.32	+25 40.2	1.245	0.618	54.2	20.7	30 W	15*	17*
6 20	3 42.25	+25 31.5	1.315	0.668	49.4	20.9	30 W	15*	18*
6 25	4 0.98	+25 16.2	1.376	0.718	45.9	21.0	30 W	16*	18*
6 30	4 19.34	+24 54.7	1.428	0.765	43.3	21.2	31 W	16*	19*
7 5	4 37.25	+24 27.5	1.472	0.810	41.4	21.3	32 W	16*	20*
7 10	4 54.69	+23 54.9	1.509	0.852	40.0	21.4	33 W	17*	20*
	202683 2006 US_{216}								
5 26	2 54.68	+17 54.2	0.886	0.326	103.4	20.9	18 W	3*	11*
5 28	2 54.35	+17 47.2	0.939	0.351	91.9	20.6	20 W	4*	13*
5 30	2 56.23	+17 48.5	0.990	0.378	82.6	20.6	22 W	5*	15*
6 1	2 59.67	+17 55.8	1.040	0.407	75.0	20.6	23 W	6*	15*
6 3	3 4.20	+18 7.2	1.087	0.436	68.8	20.6	24 W	6*	16*
6 5	3 9.48	+18 21.2	1.131	0.466	63.6	20.7	24 W	6*	17*
6 7	3 15.28	+18 36.9	1.173	0.495	59.4	20.7	25 W	7*	17*
6 9	3 21.42	+18 53.3	1.212	0.523	55.9	20.8	25 W	7*	17*
6 11	3 27.81	+19 10.0	1.248	0.551	52.9	20.9	26 W	8*	18*
6 13	3 34.35	+19 26.7	1.281	0.577	50.4	21.0	26 W	8*	18*
6 15	3 40.99	+19 43.0	1.312	0.603	48.2	21.1	26 W	8*	18*
6 20	3 57.81	+20 21.0	1.381	0.664	44.1	21.3	27 W	9*	19*
6 25	4 14.69	+20 54.1	1.439	0.719	41.3	21.5	28 W	10*	19*
6 30	4 31.50	+21 21.6	1.486	0.769	39.4	21.7	29 W	11*	19*
7 5	4 48.20	+21 43.2	1.524	0.813	38.1	21.8	30 W	13*	20*
	202435 2005 XH_8								
5 26	3 3.26	+12 38.9	0.657	0.440	133.9	21.3	18 W	—	12*
5 28	3 1.22	+ 9 51.4	0.683	0.458	124.1	20.5	22 W	—	16*
5 30	3 0.50	+ 7 28.5	0.713	0.479	115.2	20.1	25 W	—	19*
6 1	3 0.88	+ 5 28.9	0.744	0.502	107.3	19.8	28 W	—	22*

2021	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
	202435 2005 XH_8 *(continuation)*								
	h m	° ′			°	m	°	°	°
6 3	3 2.15	+ 3 50.0	0.777	0.527	100.3	19.6	31 W	—	24*
6 5	3 4.11	+ 2 28.8	0.811	0.553	94.2	19.5	33 W	—	27*
6 7	3 6.58	+ 1 22.4	0.844	0.580	88.9	19.5	35 W	—	28*
6 9	3 9.44	+ 0 28.2	0.876	0.608	84.2	19.5	37 W	—	30*
6 11	3 12.59	− 0 16.1	0.908	0.636	80.1	19.5	38 W	—	32*
6 13	3 15.93	− 0 52.3	0.938	0.665	76.5	19.5	40 W	—	33*
6 15	3 19.41	− 1 22.1	0.968	0.693	73.3	19.6	41 W	—	35*
6 17	3 22.97	− 1 46.6	0.996	0.722	70.5	19.7	42 W	—	36*
6 19	3 26.59	− 2 6.9	1.022	0.750	68.0	19.7	43 W	—	37*
6 21	3 30.23	− 2 23.8	1.048	0.779	65.7	19.8	44 W	—	38*
6 23	3 33.87	− 2 37.9	1.072	0.807	63.7	19.8	45 W	—	39*
6 25	3 37.49	− 2 49.9	1.094	0.835	61.9	19.9	46 W	—	40*
6 30	3 46.38	− 3 12.8	1.145	0.903	58.1	20.1	49 W	2*	43*
7 5	3 54.95	− 3 29.8	1.188	0.969	55.1	20.2	51 W	4*	45*
7 10	4 3.12	− 3 44.0	1.224	1.033	52.7	20.3	54 W	7*	48*
7 15	4 10.82	− 3 57.6	1.253	1.095	50.8	20.5	57 W	10*	50*
7 20	4 18.03	− 4 12.0	1.276	1.154	49.1	20.6	59 W	12*	53*
7 25	4 24.72	− 4 28.1	1.292	1.211	47.7	20.7	62 W	15*	55*
7 30	4 30.86	− 4 46.4	1.302	1.266	46.5	20.8	65 W	18*	57*
8 4	4 36.44	− 5 7.6	1.308	1.319	45.4	20.8	68 W	21*	59*
8 9	4 41.40	− 5 32.0	1.308	1.370	44.4	20.9	71 W	24*	62*
8 14	4 45.70	− 5 59.8	1.304	1.419	43.4	20.9	74 W	27*	64*
8 19	4 49.30	− 6 31.2	1.295	1.466	42.4	20.9	78 W	29*	66*
8 24	4 52.14	− 7 6.1	1.283	1.511	41.4	21.0	81 W	31*	68*
8 29	4 54.17	− 7 44.7	1.268	1.554	40.4	21.0	85 W	33*	70*
9 3	4 55.30	− 8 26.8	1.250	1.596	39.2	21.0	89 W	34*	72*
9 8	4 55.46	− 9 12.4	1.230	1.636	37.9	20.9	93 W	35*	73*
9 13	4 54.54	−10 1.1	1.208	1.675	36.5	20.9	98 W	35*	74
9 18	4 52.48	−10 52.1	1.186	1.712	35.0	20.9	102 W	34	75
9 23	4 49.18	−11 45.0	1.163	1.747	33.3	20.8	107 W	33	76
9 28	4 44.56	−12 38.5	1.142	1.781	31.4	20.8	112 W	32	77
10 3	4 38.58	−13 31.6	1.122	1.814	29.4	20.7	117 W	31	78
10 8	4 31.19	−14 22.3	1.104	1.845	27.2	20.7	122 W	31	78
10 13	4 22.43	−15 8.7	1.090	1.874	24.9	20.6	128 W	30	79
10 18	4 12.42	−15 48.4	1.081	1.903	22.6	20.5	133 W	29	80
10 23	4 1.32	−16 19.3	1.077	1.930	20.5	20.5	137 W	29	80
10 28	3 49.39	−16 39.4	1.079	1.956	18.5	20.5	141 W	28	81
11 2	3 36.96	−16 47.0	1.088	1.980	17.0	20.5	144 W	28	81
11 7	3 24.41	−16 41.3	1.104	2.004	16.1	20.5	146 W	28	81
11 12	3 12.11	−16 22.1	1.128	2.026	15.9	20.6	146 W	29	80
11 17	3 0.44	−15 50.2	1.159	2.047	16.3	20.7	145 E	29	80
11 22	2 49.67	−15 7.2	1.198	2.067	17.2	20.8	142 E	30	79
11 27	2 40.01	−14 14.8	1.243	2.085	18.4	20.9	138 E	31	78
12 2	2 31.58	−13 15.1	1.294	2.103	19.7	21.1	134 E	32	77
12 7	2 24.44	−12 9.8	1.351	2.119	21.0	21.2	130 E	33	76
12 12	2 18.60	−11 0.5	1.413	2.135	22.2	21.4	125 E	34	75
	247517 2002 QY_6								
5 26	3 7.62	+13 23.8	1.700	0.788	22.0	21.4	17 W	—	11*
5 31	3 31.96	+14 48.3	1.638	0.717	22.6	21.1	16 W	—	10*
6 5	3 59.06	+16 12.2	1.575	0.639	22.5	20.8	14 W	—	8*
6 10	4 29.55	+17 33.8	1.512	0.555	21.2	20.4	11 W	—	5*
6 15	5 4.24	+18 50.4	1.448	0.465	17.9	19.8	8 W	—	2*
6 20	5 44.14	+19 58.9	1.379	0.372	11.3	19.0	4 W	—	—
6 25	6 30.09	+20 57.0	1.291	0.288	15.4	18.4	4 E	—	—
6 27	6 49.95	+21 17.7	1.247	0.263	26.1	18.5	7 E	—	—
6 29	7 10.07	+21 37.8	1.194	0.249	40.3	18.7	9 E	—	3*
7 1	7 29.74	+21 58.2	1.133	0.247	56.2	19.0	12 E	—	5*
7 3	7 48.24	+22 19.2	1.068	0.258	71.8	19.4	14 E	2*	7*
7 5	8 5.26	+22 40.9	1.001	0.280	85.3	19.9	16 E	4*	8*
7 7	8 20.89	+23 2.6	0.936	0.310	96.1	20.5	18 E	6*	9*
7 9	8 35.46	+23 23.7	0.875	0.344	104.5	20.9	19 E	7*	10*
7 11	8 49.36	+23 43.5	0.818	0.380	110.8	21.4	20 E	8*	11*
	418265 2008 EA_{32}								
5 26	3 11.73	+24 42.2	0.623	0.436	145.5	21.2	14 W	5*	4*
5 27	3 11.22	+23 16.7	0.633	0.433	143.1	20.9	15 W	5*	6*
5 28	3 11.07	+21 53.4	0.644	0.431	140.2	20.5	16 W	4*	8*
5 29	3 11.28	+20 33.2	0.656	0.430	137.1	20.1	17 W	4*	9*
5 30	3 11.83	+19 16.6	0.669	0.429	133.7	19.8	18 W	3*	11*
5 31	3 12.74	+18 4.2	0.683	0.428	130.2	19.5	19 W	3*	12*
6 1	3 13.97	+16 56.3	0.699	0.428	126.5	19.2	20 W	2*	13*
6 2	3 15.51	+15 53.2	0.715	0.429	122.9	18.9	21 W	2*	14*
6 3	3 17.34	+14 55.0	0.733	0.430	119.2	18.7	22 W	2*	15*
6 4	3 19.44	+14 1.9	0.751	0.431	115.6	18.5	23 W	1*	16*
6 5	3 21.80	+13 13.7	0.770	0.433	112.0	18.3	23 W	1*	17*
6 7	3 27.19	+11 51.8	0.809	0.438	105.1	18.0	25 W	—	19*
6 9	3 33.35	+10 48.0	0.849	0.445	98.5	17.8	26 W	—	20*
6 11	3 40.11	+10 0.3	0.890	0.453	92.3	17.7	26 W	—	20*
6 13	3 47.35	+ 9 26.7	0.932	0.463	86.6	17.6	27 W	—	21*

418265 2008 EA_{32} *(continuation)*

21/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
	h m	° ′			°	m	°	°	°
6 15	3 54.94	+ 9 5.2	0.973	0.474	81.3	17.6	27 W	—	21*
6 17	4 2.81	+ 8 53.6	1.013	0.485	76.5	17.5	28 W	—	22*
6 19	4 10.86	+ 8 50.4	1.052	0.498	72.0	17.5	28 W	—	22*
6 21	4 19.04	+ 8 53.9	1.090	0.511	68.0	17.5	28 W	—	22*
6 23	4 27.30	+ 9 2.9	1.127	0.525	64.3	17.5	28 W	—	22*
6 25	4 35.61	+ 9 16.1	1.163	0.539	60.9	17.6	28 W	—	22*
6 27	4 43.94	+ 9 32.8	1.197	0.553	57.8	17.6	27 W	—	21*
6 29	4 52.27	+ 9 52.1	1.229	0.567	55.0	17.6	27 W	—	21*
7 1	5 0.59	+10 13.3	1.260	0.581	52.5	17.7	27 W	—	21*
7 3	5 8.88	+10 36.0	1.289	0.594	50.1	17.7	27 W	—	21*
7 5	5 17.15	+10 59.6	1.317	0.608	48.0	17.7	26 W	—	20*
7 10	5 37.69	+12 0.6	1.381	0.641	43.5	17.8	26 W	2*	20*
7 15	5 58.05	+13 1.4	1.436	0.672	39.9	17.9	25 W	3*	19*
7 20	6 18.25	+13 59.2	1.483	0.699	37.0	18.0	24 W	5*	18*
7 25	6 38.36	+14 52.3	1.522	0.724	34.8	18.0	24 W	6*	17*
8 4	7 18.58	+16 20.0	1.581	0.764	31.7	18.2	23 W	9*	15*
8 14	7 59.23	+17 18.2	1.617	0.790	30.0	18.2	23 W	12*	13*
8 24	8 40.76	+17 42.1	1.632	0.803	29.3	18.3	23 W	14*	10*
9 3	9 23.62	+17 26.7	1.631	0.801	29.1	18.3	23 W	15*	8*
9 13	10 8.16	+16 25.9	1.616	0.786	29.2	18.2	22 W	16*	5*
9 18	10 31.14	+15 36.3	1.605	0.773	29.3	18.1	22 W	16*	3*
9 23	10 54.66	+14 32.5	1.592	0.756	29.3	18.1	22 W	16*	2*
9 28	11 18.73	+13 13.3	1.578	0.737	29.2	18.0	21 W	15*	—
10 3	11 43.40	+11 37.7	1.563	0.714	29.0	17.9	20 W	14*	—
10 8	12 8.68	+ 9 44.5	1.548	0.687	28.5	17.8	19 W	13*	—
10 13	12 34.61	+ 7 32.8	1.532	0.658	27.7	17.7	18 W	11*	—
10 23	13 28.62	+ 2 10.1	1.502	0.593	24.8	17.3	14 W	7*	—
11 2	14 25.99	− 4 33.3	1.470	0.523	19.4	16.8	10 W	2*	—
11 12	15 27.65	−12 28.7	1.429	0.462	15.0	16.3	7 E	1*	—
11 17	16 0.39	−16 43.1	1.399	0.440	17.8	16.3	8 E	1*	—
11 22	16 34.49	−20 57.2	1.360	0.429	24.9	16.4	11 E	—	4*
11 27	17 9.93	−24 58.7	1.313	0.430	34.2	16.6	14 E	—	8*
12 2	17 46.61	−28 33.7	1.258	0.443	43.7	16.8	18 E	—	12*
12 4	18 1.59	−29 49.4	1.234	0.451	47.3	16.9	20 E	—	14*
12 6	18 16.74	−30 58.2	1.210	0.460	50.8	17.0	21 E	—	15*
12 8	18 32.03	−31 59.3	1.185	0.471	54.0	17.1	23 E	—	17*
12 10	18 47.43	−32 52.5	1.161	0.482	57.0	17.2	24 E	—	18*
12 12	19 2.94	−33 37.1	1.136	0.494	59.8	17.3	26 E	—	20*
12 14	19 18.50	−34 12.9	1.112	0.507	62.3	17.4	27 E	—	21*
12 16	19 34.10	−34 39.6	1.088	0.521	64.6	17.5	29 E	1*	23*
12 18	19 49.68	−34 57.1	1.065	0.535	66.7	17.5	30 E	1*	24*
12 20	20 5.20	−35 5.1	1.042	0.549	68.5	17.6	31 E	2*	25*
12 22	20 20.62	−35 3.7	1.020	0.563	70.2	17.7	33 E	2*	27*
12 24	20 35.89	−34 52.9	0.998	0.577	71.7	17.7	34 E	3*	28*
12 26	20 50.95	−34 32.8	0.978	0.591	73.0	17.8	35 E	4*	29*
12 28	21 5.76	−34 3.6	0.958	0.604	74.2	17.8	36 E	5*	30*
12 30	21 20.28	−33 25.5	0.940	0.618	75.2	17.8	37 E	6*	31*
1 1	21 34.46	−32 38.8	0.922	0.631	76.0	17.9	39 E	7*	32*
1 6	22 8.28	−30 7.2	0.882	0.662	77.7	17.9	41 E	10*	34*
1 11	22 39.49	−26 51.3	0.848	0.691	78.7	18.0	44 E	14*	36*
1 16	23 7.99	−22 59.4	0.820	0.717	79.3	18.0	46 E	18*	37*
1 21	23 33.85	−18 40.0	0.798	0.739	79.5	18.0	48 E	22*	37*

162687 2000 UH_1

5 26	3 26.57	+14 5.9	2.130	1.163	11.0	21.4	13 W	—	7*
5 31	3 44.88	+15 45.5	2.092	1.124	11.3	21.3	13 W	—	7*
6 5	4 4.13	+17 22.2	2.056	1.086	11.5	21.1	12 W	—	6*
6 10	4 24.37	+18 54.6	2.022	1.049	11.5	21.0	12 W	—	6*
6 15	4 45.63	+20 21.3	1.990	1.015	11.4	20.9	11 W	—	5*
6 20	5 7.94	+21 40.2	1.962	0.982	11.1	20.8	11 W	—	4*
6 25	5 31.28	+22 49.6	1.936	0.952	10.7	20.7	10 W	—	3*
6 30	5 55.60	+23 47.3	1.914	0.925	10.1	20.6	9 W	—	2*
7 5	6 20.82	+24 31.1	1.896	0.902	9.3	20.5	8 W	—	—
7 10	6 46.80	+24 59.3	1.881	0.883	8.5	20.4	7 W	—	—
7 15	7 13.32	+25 10.2	1.871	0.869	7.6	20.3	7 W	—	—
7 20	7 40.15	+25 2.7	1.864	0.859	6.9	20.2	6 W	—	—
7 25	8 7.04	+24 36.3	1.861	0.856	6.4	20.2	5 W	—	—
7 30	8 33.72	+23 51.4	1.863	0.857	6.3	20.2	5 W	—	—
8 4	8 59.94	+22 48.9	1.869	0.864	6.5	20.2	6 E	—	—
8 9	9 25.50	+21 30.6	1.878	0.877	7.0	20.3	6 E	—	—
8 14	9 50.24	+19 58.5	1.892	0.894	7.6	20.4	7 E	1*	—
8 19	10 14.03	+18 15.1	1.910	0.915	8.2	20.5	7 E	1*	—
8 24	10 36.84	+16 23.0	1.931	0.941	8.7	20.6	8 E	2*	—
8 29	10 58.64	+14 24.5	1.956	0.970	9.0	20.7	9 E	2*	—
9 3	11 19.47	+12 22.0	1.985	1.001	9.2	20.8	9 E	3*	—
9 8	11 39.36	+10 17.6	2.016	1.036	9.2	20.9	9 E	3*	—
9 13	11 58.37	+ 8 12.9	2.050	1.072	9.0	21.0	10 E	3*	—

2021	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
	h m	° ′			°	m	°	°	°
9 18	12 16.56	+ 6 9.4	2.087	1.109	8.7	21.1	10 E	3*	—
9 23	12 34.01	+ 4 8.4	2.125	1.148	8.3	21.2	10 E	3*	—
9 28	12 50.77	+ 2 10.6	2.165	1.187	7.8	21.3	9 E	3*	—
10 3	13 6.93	+ 0 16.8	2.206	1.227	7.2	21.4	9 E	2*	—
10 8	13 22.53	− 1 32.5	2.248	1.268	6.5	21.5	8 E	2*	—

467336 2002 LT_{38}

5 26	3 28.21	+20 29.2	1.564	0.593	17.2	21.2	10 W	—	3*
5 31	4 0.60	+21 45.1	1.575	0.583	12.4	21.1	7 W	—	—
6 5	4 33.58	+22 36.4	1.587	0.580	7.3	20.9	4 W	—	—
6 10	5 6.75	+23 1.7	1.598	0.584	2.3	20.6	1 W	—	—
6 15	5 39.68	+23 1.0	1.609	0.594	2.6	20.7	2 E	—	—
6 20	6 11.98	+22 35.8	1.619	0.610	7.1	21.0	4 E	—	—
6 25	6 43.30	+21 48.4	1.629	0.631	11.0	21.2	7 E	—	1*
6 30	7 13.44	+20 41.8	1.640	0.656	14.3	21.5	9 E	—	3*

504033 2005 UN_{157}

5 26	3 35.25	− 2 50.7	0.839	0.442	99.9	19.8	25 W	—	13*
5 27	3 33.31	− 3 21.5	0.858	0.457	96.0	19.7	27 W	—	14*
5 28	3 31.58	− 3 46.3	0.877	0.472	92.4	19.7	28 W	—	16*
5 29	3 30.04	− 4 5.8	0.897	0.488	89.0	19.6	29 W	—	17*
5 30	3 28.70	− 4 20.8	0.916	0.504	85.9	19.6	30 W	—	19*
5 31	3 27.52	− 4 31.8	0.935	0.521	83.1	19.6	31 W	—	20*
6 1	3 26.51	− 4 39.5	0.953	0.538	80.5	19.7	32 W	—	21*
6 2	3 25.63	− 4 44.3	0.971	0.555	78.1	19.7	32 W	—	22*
6 3	3 24.89	− 4 46.6	0.989	0.573	75.8	19.7	33 W	—	24*
6 4	3 24.27	− 4 46.9	1.006	0.590	73.8	19.7	34 W	—	25*
6 5	3 23.76	− 4 45.3	1.023	0.608	71.9	19.8	35 W	—	26*
6 7	3 23.01	− 4 37.8	1.054	0.644	68.5	19.9	36 W	—	28*
6 9	3 22.58	− 4 26.0	1.084	0.680	65.7	20.0	38 W	—	30*
6 11	3 22.40	− 4 11.0	1.112	0.716	63.2	20.0	39 W	—	32*
6 13	3 22.41	− 3 53.8	1.139	0.751	61.0	20.1	40 W	—	33*
6 15	3 22.58	− 3 35.2	1.163	0.787	59.1	20.2	42 W	—	35*
6 20	3 23.46	− 2 45.2	1.216	0.874	55.3	20.4	45 W	—	39*
6 25	3 24.69	− 1 53.9	1.258	0.960	52.5	20.6	48 W	3*	42*
6 30	3 26.00	− 1 4.1	1.292	1.042	50.3	20.8	52 W	7*	46*
7 5	3 27.20	− 0 16.9	1.317	1.123	48.5	21.0	56 W	12*	49*
7 10	3 28.14	+ 0 27.0	1.334	1.201	46.9	21.1	60 W	16*	52*
7 15	3 28.68	+ 1 7.3	1.344	1.277	45.5	21.2	64 W	21*	54*
7 20	3 28.71	+ 1 43.8	1.348	1.351	44.2	21.3	68 W	25*	56*
7 25	3 28.15	+ 2 16.8	1.347	1.422	42.9	21.4	73 W	30*	58*
7 30	3 26.88	+ 2 46.2	1.341	1.492	41.6	21.4	77 W	34*	60*
8 4	3 24.83	+ 3 12.0	1.331	1.560	40.1	21.5	82 W	38*	60*
8 9	3 21.87	+ 3 34.3	1.318	1.626	38.5	21.5	87 W	42*	60*

331876 2004 CL

5 26	3 38.22	+14 34.2	1.574	0.604	17.2	21.3	10 W	—	4*
5 31	4 8.49	+16 37.0	1.613	0.622	12.3	21.2	8 W	—	1*
6 5	4 38.22	+18 22.8	1.653	0.649	8.1	21.2	5 W	—	—
6 10	5 7.23	+19 50.2	1.694	0.683	5.0	21.2	3 W	—	—
6 15	5 35.34	+20 58.6	1.736	0.723	3.3	21.3	2 E	—	—

415980 2001 YZ_{90}

5 26	4 5.43	+18 52.5	2.946	1.935	1.3	21.5	3 W	—	—
6 5	4 29.55	+20 7.4	2.906	1.899	3.0	21.5	6 W	—	—
6 15	4 54.60	+21 10.4	2.859	1.863	5.0	21.6	9 W	—	3*
6 25	5 20.54	+21 59.9	2.807	1.828	7.0	21.6	13 W	1*	6*
7 5	5 47.30	+22 34.2	2.750	1.794	8.9	21.6	16 W	4*	8*

510156 2010 WO_{55}

5 26	4 33.17	+27 9.5	3.210	2.211	3.6	21.5	8 E	2*	—
6 5	4 55.57	+27 4.9	3.184	2.174	2.2	21.4	5 E	—	—
6 15	5 18.38	+26 48.8	3.147	2.137	2.3	21.3	5 W	—	—
6 25	5 41.52	+26 19.9	3.101	2.100	3.9	21.3	8 W	1*	—
7 5	6 4.90	+25 37.1	3.046	2.062	5.9	21.4	12 W	3*	3*
7 15	6 28.44	+24 39.4	2.983	2.025	8.0	21.4	16 W	6*	6*
7 25	6 52.06	+23 25.9	2.912	1.989	10.1	21.4	20 W	10*	9*
8 4	7 15.66	+21 56.2	2.834	1.952	12.2	21.3	24 W	13*	12*
8 14	7 39.20	+20 9.7	2.751	1.916	14.4	21.3	28 W	17*	15*
8 24	8 2.61	+18 6.1	2.663	1.881	16.5	21.3	32 W	21*	18*
9 3	8 25.85	+15 45.5	2.571	1.847	18.5	21.2	36 W	24*	20*
9 13	8 48.92	+13 7.8	2.477	1.814	20.6	21.2	39 W	28*	23*
9 23	9 11.79	+10 13.5	2.381	1.783	22.6	21.1	43 W	31*	26*
10 3	9 34.51	+ 7 3.0	2.284	1.753	24.5	21.1	46 W	33*	29*
10 13	9 57.09	+ 3 37.1	2.188	1.725	26.3	21.0	50 W	35*	32*
10 23	10 19.58	− 0 2.7	2.093	1.699	28.0	20.9	53 W	36*	35*
11 2	10 42.07	− 3 55.2	2.001	1.676	29.7	20.8	57 W	35*	39*
11 12	11 4.60	− 7 58.3	1.912	1.655	31.2	20.7	60 W	34*	44*
11 22	11 27.25	−12 9.2	1.826	1.637	32.6	20.7	63 W	32*	48*
12 2	11 50.13	−16 25.1	1.745	1.623	33.8	20.6	66 W	28*	53*
12 12	12 13.27	−20 42.5	1.668	1.611	34.9	20.5	69 W	24	59*

510156 2010 WO_{55} *(continuation)*

21/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
	h m	° ′			°	m	°	°	°
12 17	12 24.95	−22 50.4	1.631	1.607	35.4	20.4	71 W	22	61*
12 22	12 36.72	−24 57.1	1.595	1.603	35.8	20.4	73 W	20	64*
12 27	12 48.58	−27 2.2	1.560	1.600	36.2	20.4	74 W	18	67*
1 1	13 0.52	−29 5.1	1.526	1.599	36.6	20.3	76 W	16	69*
1 6	13 12.53	−31 5.3	1.493	1.598	36.9	20.3	77 W	14	71*
1 11	13 24.58	−33 2.1	1.460	1.598	37.2	20.2	79 W	12	73*
1 16	13 36.67	−34 55.1	1.429	1.599	37.4	20.2	81 W	10	74*
1 21	13 48.77	−36 43.9	1.398	1.601	37.5	20.2	82 W	8	75*

271073 2003 KU_{13}

5 26	4 39.97	+30 45.2	3.697	2.713	4.3	21.5	12 E	6*	—
6 5	4 58.45	+31 33.8	3.746	2.749	3.4	21.5	9 E	2*	—
6 15	5 16.87	+32 15.4	3.781	2.785	3.5	21.5	10 W	3*	—
6 25	5 35.14	+32 50.3	3.802	2.820	4.6	21.7	13 W	7*	—
7 5	5 53.20	+33 19.1	3.808	2.854	6.1	21.8	17 W	11*	1*

481044 2005 EG_{225}

5 26	4 52.78	+22 3.3	3.073	2.082	4.7	21.3	10 E	1*	2*
6 5	5 14.46	+23 37.8	3.043	2.035	2.7	21.1	5 E	—	—
6 15	5 37.35	+25 2.9	3.003	1.989	1.0	20.9	2 E	—	—
6 25	6 1.48	+26 17.4	2.955	1.943	2.2	20.9	4 W	—	—
7 5	6 26.86	+27 19.8	2.899	1.898	4.3	21.0	8 W	2*	—
7 15	6 53.49	+28 8.6	2.837	1.854	6.5	21.0	12 W	5*	—
7 25	7 21.32	+28 42.1	2.770	1.812	8.6	21.0	16 W	9*	1*
8 4	7 50.29	+28 58.9	2.699	1.771	10.8	21.0	19 W	13*	2*
8 14	8 20.30	+28 57.4	2.626	1.733	12.9	20.9	22 W	16*	2*
8 24	8 51.20	+28 36.4	2.553	1.698	14.9	20.9	26 W	20*	3*
9 3	9 22.80	+27 55.0	2.480	1.665	16.8	20.9	29 W	23*	2*
9 13	9 54.90	+26 53.1	2.409	1.635	18.6	20.8	31 W	25*	2*
9 23	10 27.25	+25 31.0	2.342	1.609	20.3	20.8	34 W	28*	2*
10 3	10 59.62	+23 50.2	2.280	1.587	21.9	20.8	36 W	30*	2*
10 13	11 31.79	+21 52.7	2.223	1.570	23.3	20.7	38 W	32*	3*
10 23	12 3.54	+19 41.8	2.172	1.557	24.5	20.7	41 W	34*	3*
11 2	12 34.71	+17 21.1	2.127	1.549	25.7	20.7	43 W	36*	4*
11 12	13 5.14	+14 54.6	2.088	1.546	26.7	20.6	44 W	38*	6*
11 22	13 34.71	+12 26.8	2.053	1.548	27.5	20.6	46 W	40*	9*
12 2	14 3.33	+10 1.3	2.022	1.555	28.4	20.6	48 W	42*	12*
12 12	14 30.91	+ 7 41.9	1.992	1.567	29.1	20.6	51 W	43*	16*
12 22	14 57.35	+ 5 31.2	1.964	1.584	29.8	20.7	53 W	43*	20*
1 1	15 22.61	+ 3 31.0	1.934	1.605	30.5	20.7	56 W	43*	26*
1 11	15 46.56	+ 1 42.6	1.901	1.630	31.2	20.7	59 W	43*	32*
1 21	16 9.10	+ 0 6.1	1.864	1.658	31.8	20.7	63 W	42*	38*

413577 2005 UL_5

5 26	4 52.98	+25 40.9	1.634	0.666	16.4	21.4	11 E	4*	—
5 31	5 18.95	+26 49.0	1.559	0.604	20.3	21.2	12 E	5*	1*
6 5	5 47.31	+27 39.2	1.475	0.544	26.0	21.0	14 E	6*	3*
6 10	6 17.98	+28 3.2	1.382	0.488	34.1	20.9	16 E	7*	4*
6 15	6 50.41	+27 50.8	1.276	0.441	45.4	20.8	18 E	9*	7*
6 20	7 23.23	+26 51.3	1.158	0.411	60.0	20.8	20 E	10*	10*
6 25	7 54.29	+24 58.0	1.030	0.403	76.7	21.1	23 E	10*	13*

170086 2002 XR_{14}

5 26	5 6.85	+23 7.5	2.424	1.455	9.1	21.2	13 E	4*	4*
6 5	5 36.29	+23 40.7	2.346	1.360	7.7	21.0	10 E	1*	3*
6 15	6 8.42	+23 53.1	2.259	1.261	6.5	20.7	8 E	—	1*
6 25	6 43.43	+23 38.1	2.166	1.162	5.8	20.4	7 E	—	—
6 30	7 2.07	+23 18.1	2.118	1.112	5.6	20.2	6 E	—	—
7 5	7 21.49	+22 48.4	2.069	1.062	5.6	20.1	6 E	—	—
7 10	7 41.69	+22 7.8	2.020	1.013	5.8	19.9	6 E	—	—
7 15	8 2.67	+21 15.2	1.971	0.966	6.3	19.8	6 E	—	—
7 20	8 24.40	+20 9.7	1.922	0.919	7.1	19.7	6 E	—	—
7 25	8 46.86	+18 50.3	1.874	0.875	8.3	19.5	7 E	—	1*
7 30	9 10.02	+17 16.3	1.827	0.834	9.8	19.5	8 E	—	2*
8 4	9 33.83	+15 27.2	1.782	0.798	11.8	19.4	9 E	—	3*
8 14	10 23.13	+11 4.6	1.698	0.741	17.1	19.3	12 E	—	6*
8 24	11 14.19	+ 5 50.5	1.625	0.715	23.6	19.3	16 E	1*	10*
9 3	12 6.40	+ 0 3.2	1.569	0.725	30.0	19.5	21 E	2*	15*
9 8	12 32.78	− 2 54.6	1.550	0.742	32.6	19.6	23 E	3*	17*
9 13	12 59.26	− 5 50.3	1.537	0.767	34.8	19.7	26 E	4*	20*
9 18	13 25.78	− 8 40.2	1.531	0.799	36.3	19.8	28 E	5*	22*
9 23	13 52.26	−11 20.9	1.533	0.836	37.2	19.9	30 E	5*	24*
9 28	14 18.63	−13 49.4	1.543	0.877	37.5	20.1	32 E	6*	26*
10 3	14 44.77	−16 3.6	1.561	0.921	37.4	20.2	34 E	7*	28*
10 8	15 10.56	−18 1.8	1.587	0.967	36.9	20.3	36 E	8*	29*
10 13	15 35.89	−19 43.1	1.619	1.015	36.1	20.5	37 E	8*	31*
10 18	16 0.62	−21 7.4	1.658	1.064	35.0	20.6	38 E	9*	32*
10 23	16 24.64	−22 15.2	1.704	1.114	33.8	20.7	39 E	10*	32*
10 28	16 47.86	−23 7.3	1.754	1.163	32.5	20.8	39 E	10*	33*

170086 2002 XR_{14} *(continuation)*

11 2	17 10.22	−23 44.9	1.809	1.213	31.1	20.9	39 E	11*	33*
11 7	17 31.67	−24 9.4	1.868	1.263	29.6	21.1	39 E	11*	32*
11 12	17 52.20	−24 22.3	1.929	1.312	28.2	21.2	39 E	12*	32*
11 17	18 11.79	−24 24.9	1.994	1.361	26.7	21.3	38 E	12*	31*
11 22	18 30.48	−24 18.6	2.061	1.409	25.2	21.4	37 E	13*	30*
11 27	18 48.30	−24 4.7	2.129	1.457	23.7	21.5	36 E	13*	28*

439885 2000 CD_{32}

5 26	5 47.41	+13 25.7	2.438	1.570	15.4	21.5	24 E	3*	18*
6 5	6 15.08	+14 43.6	2.444	1.542	13.8	21.4	21 E	1*	15*
6 15	6 43.63	+15 44.3	2.446	1.515	12.1	21.3	18 E	—	12*
6 25	7 12.95	+16 26.6	2.445	1.489	10.4	21.2	15 E	—	9*
7 5	7 42.93	+16 49.8	2.441	1.465	8.7	21.1	13 E	—	7*
7 15	8 13.47	+16 53.5	2.435	1.443	6.9	20.9	10 E	—	4*
7 25	8 44.43	+16 37.8	2.426	1.424	5.1	20.8	7 E	—	1*
8 4	9 15.69	+16 3.1	2.416	1.408	3.5	20.7	5 E	—	—
8 14	9 47.17	+15 10.2	2.404	1.394	2.4	20.6	3 E	—	—
8 24	10 18.74	+14 0.7	2.392	1.384	2.4	20.6	3 E	—	—
9 3	10 50.35	+12 36.3	2.379	1.377	3.7	20.6	5 E	—	—
9 13	11 21.95	+10 59.2	2.367	1.374	5.2	20.7	7 W	—	—
9 23	11 53.49	+ 9 12.1	2.355	1.374	6.8	20.8	9 W	2*	—
10 3	12 24.95	+ 7 17.9	2.345	1.379	8.3	20.8	11 W	4*	—
10 13	12 56.31	+ 5 19.7	2.336	1.386	9.7	20.9	14 W	6*	—
10 23	13 27.55	+ 3 21.0	2.329	1.397	11.1	21.0	16 W	8*	—
11 2	13 58.63	+ 1 25.1	2.325	1.412	12.3	21.0	18 W	11*	—
11 12	14 29.53	− 0 24.8	2.322	1.429	13.5	21.1	20 W	13*	—
11 22	15 0.17	− 2 5.5	2.320	1.449	14.6	21.2	22 W	15*	—
12 2	15 30.48	− 3 34.7	2.320	1.471	15.6	21.2	24 W	18*	—
12 12	16 0.38	− 4 50.3	2.320	1.495	16.6	21.3	26 W	20*	2*
12 22	16 29.73	− 5 50.9	2.319	1.522	17.7	21.4	28 W	21*	5*
1 1	16 58.43	− 6 35.8	2.316	1.549	18.7	21.4	30 W	23*	9*

415713 1998 XX_2

5 26	5 50.72	+25 50.8	1.513	0.708	34.5	21.5	23 E	13*	11*
5 31	6 13.90	+26 3.8	1.458	0.669	37.7	21.4	24 E	13*	12*
6 5	6 37.78	+26 1.6	1.395	0.630	41.7	21.2	24 E	12*	13*
6 10	7 2.17	+25 42.3	1.324	0.591	46.8	21.1	25 E	12*	14*
6 15	7 26.76	+25 4.2	1.245	0.554	53.3	21.0	26 E	12*	15*
6 20	7 51.00	+24 6.2	1.156	0.520	61.5	21.0	27 E	12*	16*
6 25	8 14.12	+22 48.6	1.059	0.494	71.5	21.0	27 E	12*	18*
6 30	8 35.03	+21 13.5	0.956	0.476	83.3	21.1	28 E	11*	18*
7 5	8 52.38	+19 25.2	0.849	0.469	96.7	21.4	27 E	9*	19*

76828 2000 SL_{161}

5 26	5 56.64	+18 36.3	3.318	2.437	10.1	21.5	25 E	9*	17*
6 5	6 14.76	+18 21.6	3.363	2.434	8.1	21.4	20 E	3*	13*
6 15	6 33.03	+17 58.4	3.396	2.429	6.2	21.4	15 E	—	9*
6 25	6 51.36	+17 26.5	3.416	2.423	4.4	21.3	10 E	—	4*
7 5	7 9.70	+16 45.7	3.423	2.416	2.9	21.2	7 E	—	—
7 15	7 27.99	+15 56.0	3.417	2.408	2.5	21.2	6 W	—	—
7 25	7 46.18	+14 57.6	3.398	2.399	3.7	21.2	9 W	—	3*
8 4	8 4.22	+13 50.6	3.367	2.389	5.5	21.3	13 W	—	7*
8 14	8 22.09	+12 35.3	3.324	2.378	7.4	21.3	18 W	5*	10*
8 24	8 39.73	+11 12.2	3.268	2.366	9.4	21.4	22 W	10*	14*
9 3	8 57.13	+ 9 41.5	3.202	2.352	11.4	21.4	27 W	15*	17*
9 13	9 14.25	+ 8 3.8	3.124	2.338	13.4	21.4	32 W	20*	21*
9 23	9 31.07	+ 6 19.6	3.036	2.323	15.3	21.4	38 W	24*	24*
10 3	9 47.55	+ 4 29.6	2.938	2.306	17.1	21.4	43 W	29*	27*
10 13	10 3.67	+ 2 34.2	2.831	2.289	18.9	21.3	48 W	33*	31*
10 23	10 19.39	+ 0 34.3	2.716	2.271	20.6	21.3	54 W	36*	35*
11 2	10 34.65	− 1 29.4	2.593	2.252	22.2	21.2	59 W	38*	40*
11 12	10 49.39	− 3 36.2	2.465	2.232	23.7	21.1	65 W	39*	45*
11 22	11 3.52	− 5 45.1	2.331	2.211	24.9	21.0	71 W	39*	50*
12 2	11 16.94	− 7 55.3	2.194	2.189	26.0	20.9	77 W	37	56*
12 12	11 29.48	−10 5.5	2.053	2.166	26.8	20.7	83 W	35	63*
12 22	11 40.94	−12 14.4	1.913	2.143	27.3	20.6	89 W	33	70*
1 1	11 51.09	−14 20.4	1.772	2.119	27.5	20.4	96 W	31	77*
1 11	11 59.57	−16 21.3	1.635	2.094	27.2	20.2	103 W	29	80
1 21	12 6.01	−18 14.3	1.502	2.068	26.4	20.0	111 W	27	82

302156 2001 SF_{286}

5 26	6 29.16	+ 5 25.7	1.592	0.992	37.9	21.3	37 E	5*	31*
5 31	6 43.28	+ 5 42.1	1.541	0.931	39.5	21.2	36 E	3*	30*
6 5	6 58.28	+ 5 59.7	1.484	0.869	41.6	21.0	35 E	2*	29*
6 10	7 14.23	+ 6 20.2	1.421	0.806	44.4	20.8	34 E	1*	28*
6 15	7 31.22	+ 6 46.2	1.351	0.742	47.9	20.6	33 E	—	27*
6 20	7 49.28	+ 7 21.8	1.273	0.677	52.6	20.4	32 E	—	26*
6 25	8 8.38	+ 8 13.7	1.188	0.615	58.8	20.2	31 E	—	25*
6 27	8 16.27	+ 8 41.2	1.152	0.591	61.8	20.2	31 E	1*	25*
6 29	8 24.28	+ 9 13.7	1.115	0.567	65.2	20.1	30 E	1*	24*
7 1	8 32.37	+ 9 52.4	1.077	0.545	68.9	20.1	30 E	2*	24*

302156 2001 SF_{286} *(continuation)*

21/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
	h m	° ′			°	m	°	°	°
7 3	8 40.49	+10 38.3	1.038	0.524	73.0	20.0	30 E	2*	23*
7 5	8 48.57	+11 32.8	0.998	0.505	77.6	20.0	29 E	3*	23*
7 7	8 56.52	+12 37.5	0.957	0.489	82.6	20.0	28 E	4*	22*
7 9	9 4.23	+13 53.7	0.917	0.474	87.9	20.1	28 E	5*	21*
7 11	9 11.56	+15 22.8	0.876	0.463	93.6	20.2	27 E	6*	20*
7 13	9 18.38	+17 6.2	0.837	0.455	99.6	20.3	26 E	7*	19*
7 15	9 24.51	+19 4.5	0.798	0.451	105.5	20.5	25 E	9*	17*
7 17	9 29.78	+21 17.7	0.762	0.450	111.3	20.7	24 E	10*	15*
7 19	9 34.05	+23 45.1	0.729	0.453	116.7	21.0	23 E	12*	13*
7 21	9 37.18	+26 24.8	0.698	0.460	121.3	21.3	23 E	13*	10*

194126 2001 SG_{276}

5 26	6 40.66	+41 9.1	2.157	1.485	24.5	21.5	37 E	30*	9*
5 31	6 58.19	+40 38.0	2.158	1.468	24.1	21.4	36 E	29*	9*
6 5	7 15.76	+39 58.4	2.159	1.451	23.7	21.4	35 E	28*	9*
6 10	7 33.32	+39 10.4	2.158	1.433	23.3	21.4	34 E	26*	10*
6 15	7 50.80	+38 13.6	2.156	1.415	22.9	21.3	33 E	25*	10*
6 20	8 8.16	+37 8.3	2.153	1.397	22.6	21.3	32 E	23*	10*
6 25	8 25.33	+35 54.3	2.149	1.379	22.2	21.2	31 E	22*	11*
6 30	8 42.29	+34 31.9	2.145	1.360	21.8	21.2	30 E	21*	11*
7 5	8 59.01	+33 1.2	2.139	1.342	21.5	21.1	29 E	20*	11*
7 10	9 15.47	+31 22.4	2.133	1.324	21.1	21.1	28 E	18*	12*
7 15	9 31.66	+29 35.9	2.127	1.305	20.7	21.0	27 E	17*	12*
7 20	9 47.58	+27 41.9	2.120	1.287	20.3	21.0	26 E	16*	12*
7 25	10 3.22	+25 41.0	2.113	1.269	19.9	20.9	25 E	15*	12*
7 30	10 18.60	+23 33.3	2.106	1.252	19.5	20.9	24 E	14*	12*
8 4	10 33.75	+21 19.5	2.098	1.234	19.0	20.8	23 E	13*	12*
8 9	10 48.69	+18 59.8	2.091	1.217	18.6	20.8	22 E	11*	12*
8 14	11 3.45	+16 34.9	2.083	1.201	18.1	20.7	22 E	10*	12*
8 19	11 18.05	+14 5.1	2.076	1.185	17.6	20.7	21 E	9*	12*
8 24	11 32.54	+11 31.0	2.069	1.170	17.1	20.6	20 E	8*	12*
8 29	11 46.96	+ 8 53.2	2.062	1.156	16.6	20.6	19 E	7*	11*
9 3	12 1.36	+ 6 12.2	2.055	1.143	16.1	20.5	18 E	6*	11*
9 8	12 15.79	+ 3 28.6	2.049	1.130	15.6	20.5	18 E	5*	11*
9 13	12 30.29	+ 0 42.9	2.043	1.119	15.2	20.4	17 E	3*	10*
9 18	12 44.92	− 2 4.0	2.037	1.109	14.8	20.4	16 E	2*	10*
9 23	12 59.74	− 4 51.6	2.031	1.100	14.4	20.4	16 E	1*	10*
9 28	13 14.81	− 7 39.1	2.026	1.093	14.1	20.3	15 E	—	9*
10 3	13 30.20	−10 25.6	2.022	1.087	13.8	20.3	15 E	—	9*
10 8	13 45.99	−13 10.3	2.018	1.082	13.7	20.3	15 E	—	9*
10 13	14 2.23	−15 52.2	2.014	1.079	13.6	20.3	15 E	—	9*
10 18	14 18.99	−18 30.3	2.012	1.078	13.6	20.3	15 E	—	8*
10 23	14 36.35	−21 3.4	2.010	1.078	13.7	20.3	15 E	—	8*
10 28	14 54.37	−23 30.4	2.008	1.080	13.8	20.3	15 E	—	8*
11 2	15 13.12	−25 49.8	2.008	1.083	14.0	20.3	15 E	—	8*
11 7	15 32.63	−28 0.4	2.009	1.088	14.2	20.3	16 E	—	9*
11 12	15 52.92	−30 0.7	2.011	1.094	14.5	20.3	16 E	—	9*
11 17	16 14.00	−31 49.3	2.014	1.102	14.7	20.4	16 E	—	9*
11 22	16 35.83	−33 24.7	2.019	1.111	14.9	20.4	17 E	—	9*
11 27	16 58.36	−34 45.6	2.025	1.121	15.1	20.4	17 E	—	10*
12 2	17 21.46	−35 51.1	2.033	1.133	15.3	20.5	18 E	—	10*
12 7	17 45.01	−36 40.1	2.042	1.146	15.3	20.5	18 E	—	10*
12 12	18 8.81	−37 12.2	2.053	1.159	15.4	20.5	18 E	—	11*
12 17	18 32.67	−37 27.3	2.066	1.173	15.3	20.6	18 E	—	11*
12 22	18 56.38	−37 25.6	2.080	1.189	15.2	20.6	18 E	—	11*
12 27	19 19.75	−37 7.7	2.096	1.205	15.0	20.6	18 E	—	11*
1 1	19 42.60	−36 34.6	2.114	1.221	14.8	20.7	18 E	—	11*
1 6	20 4.80	−35 47.7	2.132	1.238	14.5	20.7	18 E	—	11*
1 11	20 26.23	−34 48.2	2.152	1.255	14.1	20.8	18 E	—	11*
1 16	20 46.81	−33 37.8	2.174	1.273	13.7	20.8	18 E	—	11*
1 21	21 6.53	−32 17.9	2.196	1.291	13.2	20.8	17 E	—	11*

420048 2011 DL_{19}

5 26	7 10.48	+ 4 9.2	1.443	1.051	44.6	21.4	47 E	11*	40*
6 5	7 42.77	+ 1 37.0	1.390	1.009	46.8	21.3	46 E	7*	40*
6 15	8 17.73	− 1 9.9	1.329	0.976	49.4	21.2	47 E	3*	41*
6 25	8 55.80	− 4 7.3	1.266	0.955	52.2	21.1	48 E	—	42*
7 5	9 37.47	− 7 7.5	1.205	0.946	54.8	21.1	50 E	—	43*
7 15	10 23.05	−10 0.0	1.153	0.951	56.8	21.1	52 E	—	45*
7 25	11 12.34	−12 31.2	1.116	0.969	57.8	21.1	54 E	—	47*
8 4	12 4.38	−14 27.2	1.099	1.000	57.6	21.1	56 E	3*	50*
8 14	12 57.48	−15 38.7	1.106	1.040	56.2	21.1	59 E	7*	52*
8 24	13 49.53	−16 4.5	1.137	1.087	54.0	21.2	60 E	11*	54*
9 3	14 38.77	−15 50.9	1.191	1.141	51.2	21.4	62 E	15*	56*

478784 2012 UV_{136}

5 26	12 10.12	+29 56.7	0.045	1.024	74.7	21.4	103 E	75*	34
5 27	12 23.12	+28 25.8	0.046	1.026	72.3	21.4	105 E	73*	36
5 28	12 35.09	+26 55.6	0.048	1.029	70.1	21.4	107 E	72	37
5 29	12 46.08	+25 26.9	0.049	1.031	68.0	21.4	109 E	70	39
5 30	12 56.20	+24 0.5	0.051	1.033	66.1	21.4	111 E	69	40
5 31	13 5.50	+22 36.9	0.053	1.036	64.3	21.5	113 E	68	41
6 1	13 14.08	+21 16.3	0.054	1.038	62.7	21.5	115 E	66	43

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

524207 2001 RP_{82}

5 26	17 5.83	−14 9.0	2.214	3.203	4.6	22.4	165 W	31	78
6 5	16 56.50	−13 39.6	2.170	3.176	2.8	22.2	171 W	31	78
6 15	16 46.88	−13 14.8	2.155	3.147	4.8	22.3	165 E	32	77
6 25	16 37.85	−12 56.6	2.168	3.118	8.0	22.4	155 E	32	77
7 5	16 30.15	−12 46.4	2.207	3.088	11.2	22.6	144 E	32	77

365246 2009 *NE*

5 26	17 6.36	− 3 28.4	3.714	4.668	4.7	22.5	158 W	42	67
6 5	16 57.73	− 2 52.8	3.673	4.641	4.2	22.4	160 W	42	67
6 15	16 48.93	− 2 25.4	3.663	4.612	5.0	22.5	157 E	43	66
6 25	16 40.48	− 2 7.3	3.683	4.583	6.6	22.5	149 E	43	66
7 5	16 32.83	− 1 58.9	3.731	4.552	8.3	22.6	139 E	43	66

476703 2008 TQ_{145}

5 26	17 8.36	−18 57.8	3.812	4.803	2.9	22.7	166 W	26	83
6 5	17 2.09	−18 47.8	3.787	4.799	0.9	22.5	176 W	26	83
6 15	16 55.73	−18 38.6	3.791	4.794	2.1	22.6	170 E	26	83
6 25	16 49.70	−18 30.8	3.824	4.790	4.2	22.8	160 E	26	83
7 5	16 44.42	−18 25.3	3.885	4.785	6.3	22.9	149 E	27	82

419880 2011 AH_{37}

5 26	17 8.61	−16 57.9	3.146	4.135	3.5	25.6	166 W	28	81
6 5	16 59.52	−16 50.5	3.108	4.118	1.5	25.4	174 W	28	81
6 15	16 50.24	−16 44.5	3.101	4.100	3.0	25.5	168 E	28	81
6 25	16 41.39	−16 40.8	3.125	4.081	5.6	25.7	157 E	28	81
7 5	16 33.52	−16 40.2	3.177	4.060	8.1	25.8	146 E	28	81

461374 2000 WS_{21}

5 26	17 9.50	−17 28.6	2.132	3.123	4.6	22.4	166 W	28	81
6 5	16 59.32	−17 23.1	2.093	3.104	1.8	22.2	175 W	28	81
6 15	16 48.81	−17 19.5	2.083	3.084	3.9	22.3	168 E	28	81
6 25	16 38.92	−17 18.9	2.102	3.063	7.5	22.5	157 E	28	81
7 5	16 30.47	−17 22.4	2.147	3.040	10.9	22.7	145 E	28	81

409204 2003 WX_{25}

5 26	17 13.21	−42 4.7	3.662	4.602	5.3	25.3	155 W	3	74
5 31	17 8.24	−42 13.5	3.645	4.601	4.7	25.2	158 W	3	74
6 5	17 3.11	−42 19.2	3.634	4.601	4.3	25.2	160 W	3	74
6 10	16 57.92	−42 21.8	3.631	4.600	4.2	25.2	160 E	3	74
6 15	16 52.77	−42 21.4	3.636	4.599	4.5	25.2	159 E	3	74
6 20	16 47.74	−42 17.9	3.648	4.598	5.0	25.2	157 E	3	74
6 25	16 42.93	−42 11.7	3.667	4.597	5.7	25.3	153 E	3	74

436763 2012 FN_{52}

5 26	17 13.22	−11 40.8	2.199	3.179	5.5	22.7	162 W	33	76
6 5	17 0.73	−11 51.6	2.197	3.199	3.4	22.6	169 W	33	76
6 15	16 48.26	−12 8.2	2.226	3.217	4.8	22.7	165 E	33	76
6 25	16 36.78	−12 30.5	2.286	3.233	7.8	22.9	154 E	32	77
7 5	16 27.01	−12 58.1	2.374	3.247	10.8	23.1	143 E	32	77

368565 2004 FE_5

5 26	17 19.39	+ 8 21.1	1.070	1.992	16.5	22.4	146 W	53	56
5 31	17 9.80	+ 9 11.8	1.061	1.992	15.9	22.4	148 W	54	55
6 5	16 59.84	+ 9 51.7	1.059	1.991	15.9	22.4	148 W	55	54
6 10	16 49.82	+10 19.5	1.063	1.989	16.5	22.4	146 E	55	54
6 15	16 40.04	+10 34.9	1.074	1.986	17.6	22.5	144 E	56	53
6 20	16 30.77	+10 38.0	1.090	1.981	19.1	22.5	140 E	56	53
6 25	16 22.25	+10 29.6	1.111	1.976	20.8	22.6	136 E	55	54

448443 2009 YL_{24}

5 26	17 23.96	−28 50.5	1.778	2.758	6.6	22.4	162 W	16	87
5 31	17 18.48	−28 44.5	1.757	2.755	4.6	22.2	167 W	16	87
6 5	17 12.71	−28 36.0	1.743	2.752	2.8	22.1	172 W	16	87
6 10	17 6.80	−28 25.0	1.737	2.749	2.1	22.0	174 E	17	88
6 15	17 0.91	−28 11.8	1.737	2.745	3.2	22.1	171 E	17	88
6 20	16 55.21	−27 56.7	1.744	2.742	5.1	22.2	166 E	17	88
6 25	16 49.85	−27 40.0	1.759	2.738	7.2	22.3	160 E	17	88
6 30	16 44.94	−27 22.4	1.779	2.733	9.1	22.4	155 E	18	89

413820 2006 QR_{89}

5 26	17 27.46	− 8 19.9	1.611	2.577	8.6	23.2	158 W	37	72
6 5	17 15.87	− 7 51.8	1.580	2.572	6.1	23.0	164 W	37	72
6 15	17 3.64	− 7 36.7	1.577	2.565	6.7	23.0	163 E	37	72
6 25	16 52.05	− 7 36.3	1.601	2.557	9.8	23.2	155 E	37	72
7 5	16 42.18	− 7 50.5	1.650	2.547	13.4	23.4	145 E	37	72

180186 2003 QZ_{30}

5 26	17 29.99	−11 48.0	2.722	3.685	5.7	23.0	159 W	33	76
6 5	17 20.71	−11 27.5	2.663	3.659	3.6	22.8	167 W	34	75
6 15	17 10.84	−11 12.2	2.635	3.631	3.7	22.8	167 E	34	75
6 25	17 1.12	−11 3.2	2.637	3.602	5.9	22.9	159 E	34	75
7 5	16 52.23	−11 1.3	2.667	3.572	8.6	23.0	148 E	34	75