88213 2001 AF_2

2021	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
	h m	° ′			°	m	°	°	°
1 26	17 15.22	− 8 51.0	1.023	0.833	63.1	21.3	49 W	30*	33*
1 31	17 48.84	− 9 57.9	1.013	0.773	65.4	21.2	45 W	27*	31*
2 5	18 24.32	−10 57.0	1.014	0.710	67.1	21.1	42 W	23*	29*
2 10	19 1.35	−11 45.1	1.029	0.646	67.8	20.9	37 W	20*	27*
2 15	19 39.65	−12 18.6	1.058	0.580	67.0	20.7	33 W	16*	23*
2 20	20 18.99	−12 33.9	1.101	0.517	63.9	20.4	28 W	12*	20*
2 25	20 59.33	−12 26.5	1.156	0.459	57.7	20.1	23 W	7*	16*
3 2	21 40.64	−11 50.2	1.221	0.413	47.7	19.7	18 W	3*	12*
3 7	22 22.59	−10 38.2	1.288	0.388	34.4	19.3	13 W	—	7*
3 12	23 4.14	− 8 47.9	1.350	0.392	20.7	19.0	8 W	—	2*
3 17	23 43.81	− 6 25.7	1.404	0.422	11.9	19.0	5 W	—	—
3 19	23 58.90	− 5 22.7	1.424	0.440	11.1	19.1	5 E	—	—
3 21	0 13.49	− 4 17.6	1.443	0.460	11.7	19.2	5 E	—	—
3 23	0 27.58	− 3 11.2	1.461	0.483	13.1	19.4	6 E	—	—
3 25	0 41.17	− 2 4.2	1.479	0.507	14.7	19.6	7 E	—	1*
3 27	0 54.28	− 0 57.2	1.497	0.531	16.2	19.8	9 E	—	3*
4 1	1 25.11	+ 1 47.2	1.543	0.596	19.2	20.2	11 E	—	5*
4 6	1 53.47	+ 4 23.3	1.590	0.661	20.9	20.5	14 E	2*	7*
4 11	2 19.74	+ 6 47.9	1.640	0.725	21.6	20.8	15 E	4*	8*
4 16	2 44.21	+ 8 59.9	1.692	0.787	21.6	21.1	17 E	5*	9*
4 21	3 7.16	+10 58.8	1.746	0.846	21.2	21.3	18 E	6*	10*
4 26	3 28.79	+12 44.8	1.801	0.903	20.5	21.5	18 E	6*	11*

469393 2001 TZ_{90}

2021	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
1 26	17 22.58	−18 41.5	2.362	1.806	22.7	21.4	45 W	20*	35*
2 5	17 51.08	−18 9.8	2.249	1.757	24.8	21.3	48 W	21*	39*
2 15	18 20.21	−17 14.9	2.139	1.712	26.9	21.2	52 W	21*	43*
2 25	18 49.76	−15 55.8	2.035	1.669	28.9	21.1	55 W	22*	46*
3 7	19 19.55	−14 12.5	1.936	1.629	30.8	21.0	57 W	23*	49*
3 17	19 49.39	−12 5.7	1.845	1.594	32.6	20.9	60 W	23*	52*
3 27	20 19.05	− 9 37.5	1.762	1.564	34.3	20.8	62 W	25*	53*
4 6	20 48.38	− 6 51.1	1.686	1.538	35.8	20.7	64 W	26*	55*
4 16	21 17.24	− 3 50.7	1.619	1.518	37.1	20.7	66 W	27*	56*
4 26	21 45.47	− 0 41.1	1.559	1.504	38.3	20.6	68 W	29*	56*
5 6	22 12.99	+ 2 32.3	1.507	1.496	39.3	20.5	70 W	31*	56*
5 16	22 39.68	+ 5 44.1	1.459	1.495	40.0	20.5	72 W	33*	55*
5 21	22 52.68	+ 7 17.8	1.437	1.496	40.3	20.5	73 W	35*	55*
5 26	23 5.42	+ 8 49.1	1.416	1.500	40.5	20.4	74 W	36*	54*
5 31	23 17.91	+10 17.7	1.395	1.505	40.7	20.4	75 W	38*	53*
6 5	23 30.11	+11 43.0	1.375	1.511	40.8	20.4	77 W	40*	52*
6 10	23 42.00	+13 4.5	1.356	1.519	40.9	20.4	78 W	41*	51*
6 15	23 53.55	+14 21.8	1.336	1.529	40.8	20.4	80 W	44*	50*
6 25	0 15.52	+16 42.1	1.298	1.552	40.6	20.3	83 W	48*	47
7 5	0 35.76	+18 41.6	1.258	1.580	40.0	20.3	87 W	54*	45
7 15	0 53.92	+20 18.1	1.218	1.614	39.0	20.2	92 W	59*	44
7 25	1 9.58	+21 29.4	1.176	1.651	37.6	20.2	97 W	64*	43
7 30	1 16.35	+21 55.2	1.155	1.671	36.7	20.1	101 W	66*	42
8 4	1 22.32	+22 13.9	1.134	1.692	35.6	20.1	104 W	67*	42
8 9	1 27.44	+22 25.3	1.113	1.714	34.4	20.0	107 W	67	42
8 14	1 31.64	+22 29.0	1.092	1.737	33.0	20.0	111 W	67	42
8 24	1 37.15	+22 12.3	1.054	1.784	29.5	19.9	119 W	67	42
9 3	1 38.64	+21 21.5	1.023	1.834	25.3	19.7	129 W	66	43
9 13	1 36.21	+19 55.6	1.002	1.885	20.2	19.6	140 W	65	44
9 18	1 33.72	+19 0.2	0.998	1.912	17.4	19.5	145 W	64	45
9 23	1 30.54	+17 57.5	0.997	1.938	14.4	19.4	151 W	63	46
9 28	1 26.83	+16 48.6	1.002	1.965	11.3	19.4	157 W	62	47
10 3	1 22.78	+15 35.2	1.013	1.992	8.2	19.3	164 W	61	48
10 8	1 18.56	+14 19.2	1.029	2.020	5.2	19.2	170 W	59	50
10 13	1 14.40	+13 2.5	1.052	2.047	2.6	19.1	175 W	58	51
10 18	1 10.47	+11 47.5	1.081	2.075	2.6	19.2	174 E	57	52
10 23	1 6.93	+10 35.8	1.117	2.103	5.0	19.5	169 E	56	53
10 28	1 3.89	+ 9 29.1	1.159	2.131	7.5	19.7	164 E	54	55
11 2	1 1.44	+ 8 28.6	1.207	2.159	10.0	19.9	158 E	53	56
11 12	0 58.54	+ 6 49.2	1.321	2.215	14.2	20.3	147 E	52	57
11 22	0 58.38	+ 5 40.0	1.454	2.271	17.6	20.7	136 E	51	58
12 2	1 0.77	+ 4 59.2	1.605	2.327	20.0	21.1	126 E	50	59
12 12	1 5.44	+ 4 43.2	1.769	2.383	21.6	21.4	117 E	50	59

415949 2001 XY_{10}

2021	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
1 26	17 22.71	+ 1 15.6	1.120	0.913	56.8	21.4	51 W	38*	27*
2 5	18 11.68	− 2 1.1	1.105	0.842	59.0	21.3	47 W	33*	28*
2 15	19 4.19	− 5 28.0	1.106	0.766	60.5	21.1	42 W	26*	29*
2 25	20 1.07	− 8 47.9	1.126	0.689	60.5	20.9	37 W	19*	28*
3 7	21 3.03	−11 28.3	1.168	0.617	58.1	20.7	32 W	11*	25*
3 17	22 9.70	−12 42.5	1.234	0.561	52.2	20.4	26 W	3*	20*

415949 2001 XY_{10} *(continuation)*

2021	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
	h m	° ′			°	m	°	°	°
3 22	22 44.08	−12 32.2	1.275	0.543	47.9	20.3	24 W	—	18*
3 27	23 18.44	−11 45.6	1.320	0.535	43.0	20.2	21 W	—	15*
4 1	23 52.15	−10 23.4	1.367	0.536	37.8	20.1	19 W	—	11*
4 6	0 24.64	− 8 29.9	1.416	0.547	32.7	20.1	17 W	—	8*
4 11	0 55.52	− 6 12.3	1.466	0.567	28.1	20.1	15 W	—	5*
4 16	1 24.61	− 3 38.9	1.515	0.593	24.1	20.2	14 W	—	3*
4 21	1 51.90	− 0 57.4	1.565	0.625	20.7	20.3	13 W	—	—
4 26	2 17.54	+ 1 45.9	1.614	0.661	18.0	20.4	12 E	—	—
5 1	2 41.69	+ 4 26.3	1.662	0.698	15.7	20.5	11 E	—	1*
5 6	3 4.59	+ 7 0.4	1.710	0.737	13.7	20.6	10 E	—	1*
5 11	3 26.42	+ 9 26.1	1.756	0.776	11.9	20.7	9 E	—	1*
5 16	3 47.36	+11 42.3	1.801	0.814	10.4	20.8	8 E	—	1*
5 21	4 7.56	+13 48.2	1.844	0.851	8.9	20.9	7 E	—	—
5 26	4 27.14	+15 43.6	1.885	0.887	7.5	21.0	7 E	—	—
5 31	4 46.21	+17 28.5	1.924	0.921	6.2	21.0	6 E	—	—
6 5	5 4.86	+19 3.2	1.961	0.953	4.9	21.1	5 E	—	—
6 10	5 23.17	+20 28.0	1.995	0.984	3.7	21.1	4 E	—	—
6 15	5 41.20	+21 43.1	2.027	1.013	2.4	21.1	2 E	—	—
6 20	5 58.98	+22 48.8	2.055	1.040	1.3	21.1	1 E	—	—
6 25	6 16.55	+23 45.7	2.081	1.065	0.5	21.1	1 E	—	—
6 30	6 33.95	+24 34.0	2.104	1.088	1.3	21.3	1 W	—	—
7 5	6 51.21	+25 14.0	2.123	1.109	2.4	21.4	3 W	—	—

531899 2013 BE_{19}

2021	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
1 26	17 47.96	−43 24.0	1.030	0.731	65.4	21.5	42 W	—	35*
1 28	18 4.04	−43 15.9	1.046	0.721	64.7	21.5	41 W	—	34*
1 30	18 19.87	−42 58.1	1.061	0.712	64.0	21.5	40 W	—	33*
2 1	18 35.38	−42 31.2	1.078	0.703	63.1	21.4	39 W	—	31*
2 3	18 50.49	−41 55.4	1.095	0.694	62.1	21.4	39 W	—	30*
2 5	19 5.16	−41 11.5	1.113	0.686	61.1	21.4	38 W	—	29*
2 7	19 19.34	−40 19.9	1.132	0.678	60.0	21.4	37 W	—	28*
2 9	19 33.01	−39 21.4	1.151	0.671	58.7	21.4	36 W	—	27*
2 11	19 46.17	−38 16.5	1.170	0.665	57.4	21.3	35 W	—	26*
2 13	19 58.81	−37 5.8	1.190	0.659	56.1	21.3	34 W	—	25*
2 15	20 10.94	−35 49.9	1.210	0.654	54.6	21.3	33 W	—	24*
2 17	20 22.58	−34 29.3	1.230	0.650	53.2	21.3	32 W	—	24*
2 19	20 33.76	−33 4.7	1.250	0.646	51.6	21.2	31 W	—	23*
2 21	20 44.49	−31 36.5	1.270	0.643	50.1	21.2	30 W	—	22*
2 23	20 54.82	−30 5.1	1.290	0.642	48.5	21.2	29 W	—	21*
2 25	21 4.76	−28 31.0	1.309	0.641	46.9	21.2	28 W	—	21*
3 2	21 28.16	−24 26.8	1.358	0.642	43.0	21.2	26 W	—	19*
3 7	21 49.80	−20 13.8	1.405	0.648	39.3	21.2	24 W	—	18*
3 12	22 10.10	−15 56.8	1.449	0.660	35.9	21.2	23 W	—	17*
3 17	22 29.37	−11 39.7	1.491	0.675	33.0	21.2	22 W	—	16*
3 22	22 47.88	− 7 25.6	1.530	0.695	30.5	21.2	21 W	2*	15*
3 27	23 5.85	− 3 16.9	1.567	0.717	28.6	21.3	20 W	3*	14*
4 1	23 23.48	+ 0 44.6	1.601	0.742	27.1	21.4	20 W	5*	13*
4 6	23 40.91	+ 4 37.4	1.634	0.769	25.9	21.5	20 W	6*	12*

438105 2005 GO_{22}

2021	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
1 26	18 12.16	−22 4.4	0.648	0.567	108.1	20.6	33 W	12*	25*
1 28	18 5.37	−22 4.5	0.663	0.603	102.0	20.4	37 W	13*	29*
1 30	17 59.79	−22 4.0	0.679	0.639	96.7	20.4	40 W	15*	32*
2 1	17 55.21	−22 3.3	0.694	0.675	92.1	20.3	43 W	16*	35*
2 3	17 51.44	−22 2.5	0.709	0.710	88.0	20.3	46 W	17*	38*
2 5	17 48.33	−22 1.7	0.723	0.746	84.3	20.3	49 W	17*	41*
2 7	17 45.73	−22 1.1	0.736	0.781	81.1	20.3	51 W	18*	44*
2 9	17 43.55	−22 0.5	0.748	0.816	78.1	20.4	54 W	19*	46*
2 11	17 41.67	−22 0.0	0.759	0.850	75.5	20.4	56 W	19*	49*
2 13	17 40.03	−21 59.5	0.769	0.883	73.0	20.4	59 W	20*	51*
2 15	17 38.56	−21 59.1	0.778	0.917	70.8	20.4	61 W	20*	54*
2 20	17 35.29	−21 58.2	0.795	0.998	65.8	20.5	67 W	21*	60*
2 25	17 32.08	−21 57.0	0.807	1.077	61.4	20.6	73 W	22*	66*
3 2	17 28.47	−21 55.2	0.814	1.152	57.5	20.6	79 W	22*	72*
3 7	17 24.12	−21 52.5	0.817	1.225	53.7	20.7	85 W	23*	77*
3 12	17 18.73	−21 48.2	0.816	1.296	50.0	20.7	91 W	23*	83*
3 17	17 12.06	−21 41.9	0.813	1.364	46.3	20.7	97 W	23	86
3 22	17 3.98	−21 32.7	0.810	1.431	42.4	20.7	104 W	23	86
3 27	16 54.38	−21 19.8	0.806	1.495	38.4	20.6	112 W	24	85
4 1	16 43.29	−21 2.4	0.804	1.557	34.1	20.6	119 W	24	85
4 6	16 30.80	−20 39.4	0.805	1.617	29.6	20.6	127 W	24	85
4 11	16 17.11	−20 10.2	0.810	1.676	25.0	20.5	135 W	25	84
4 16	16 2.57	−19 34.8	0.820	1.733	20.2	20.5	143 W	25	84
4 21	15 47.63	−18 53.8	0.838	1.788	15.3	20.4	152 W	26	83
4 26	15 32.78	−18 8.4	0.863	1.842	10.6	20.4	160 W	27	82
5 1	15 18.48	−17 20.4	0.896	1.895	6.0	20.3	169 W	28	81
5 6	15 5.12	−16 32.1	0.938	1.946	1.7	20.2	177 W	28	81
5 11	14 53.00	−15 45.3	0.987	1.995	2.4	20.4	175 E	29	80
5 16	14 42.31	−15 2.0	1.044	2.044	6.0	20.8	168 E	30	79
5 21	14 33.13	−14 23.5	1.109	2.091	9.2	21.1	161 E	31	78
5 26	14 25.46	−13 50.5	1.180	2.137	12.1	21.4	154 E	31	78

2021	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
438105 2005 GO_{22} *(continuation)*									
	h m	° ′			°	m	°	°	°
5 31	14 19.22	−13 23.3	1.257	2.182	14.5	21.7	147 E	32	77
6 5	14 14.31	−13 1.9	1.340	2.225	16.5	22.0	141 E	32	77
333755 2010 VC_1									
1 26	18 31.55	−28 47.9	0.658	0.524	112.3	21.3	30 W	4*	23*
1 31	18 45.84	−23 50.7	0.747	0.511	101.3	20.9	31 W	8*	24*
2 5	19 2.99	−19 43.6	0.844	0.514	89.7	20.7	31 W	11*	24*
2 10	19 22.00	−16 19.1	0.942	0.532	78.7	20.5	32 W	13*	24*
2 15	19 41.85	−13 28.0	1.037	0.562	69.1	20.6	32 W	15*	23*
2 20	20 1.73	−11 2.2	1.128	0.603	61.1	20.6	32 W	15*	23*
2 25	20 21.11	− 8 55.2	1.212	0.650	54.6	20.8	32 W	16*	23*
3 2	20 39.72	− 7 2.2	1.289	0.701	49.6	20.9	33 W	16*	23*
3 7	20 57.45	− 5 19.8	1.360	0.754	45.7	21.1	33 W	17*	24*
3 12	21 14.27	− 3 45.6	1.423	0.808	42.6	21.3	33 W	17*	24*
3 17	21 30.22	− 2 18.2	1.481	0.861	40.3	21.4	34 W	17*	25*
457912 2009 UW_{18}									
1 26	18 45.81	−19 58.6	1.533	0.769	33.2	21.3	25 W	9*	17*
1 31	19 14.72	−18 14.1	1.538	0.748	31.8	21.3	24 W	9*	16*
2 5	19 43.34	−16 15.0	1.549	0.732	30.0	21.2	22 W	8*	14*
2 10	20 11.49	−14 4.3	1.565	0.722	27.9	21.1	20 W	8*	12*
2 15	20 39.07	−11 45.2	1.585	0.718	25.6	21.1	18 W	7*	10*
2 20	21 5.97	− 9 21.2	1.609	0.720	23.1	21.0	17 W	7*	8*
2 25	21 32.13	− 6 55.4	1.637	0.728	20.7	21.0	15 W	6*	6*
3 2	21 57.52	− 4 30.7	1.668	0.742	18.3	21.0	14 W	5*	5*
3 7	22 22.11	− 2 9.4	1.701	0.761	16.1	21.0	12 W	5*	3*
3 12	22 45.91	+ 0 6.8	1.736	0.785	14.1	21.1	11 W	4*	2*
3 17	23 8.92	+ 2 16.5	1.773	0.813	12.4	21.1	10 W	3*	1*
3 22	23 31.16	+ 4 18.7	1.812	0.844	10.9	21.2	9 W	3*	—
3 27	23 52.66	+ 6 12.8	1.851	0.877	9.6	21.3	8 W	2*	—
4 1	0 13.45	+ 7 58.6	1.891	0.911	8.5	21.4	8 W	1*	—
4 6	0 33.58	+ 9 36.1	1.932	0.947	7.6	21.5	7 W	1*	—
416002 2002 BN									
1 26	18 52.03	−11 18.3	1.061	0.458	67.8	21.1	26 W	16*	13*
1 31	19 29.48	−12 57.8	1.149	0.419	56.9	20.8	21 W	11*	10*
2 5	20 7.91	−14 26.8	1.237	0.398	43.3	20.4	16 W	6*	8*
2 10	20 46.99	−15 32.2	1.319	0.403	29.1	20.2	11 W	1*	5*
2 15	21 25.58	−16 3.2	1.389	0.430	17.6	20.1	8 W	—	2*
2 20	22 2.49	−15 57.2	1.449	0.475	11.7	20.2	6 W	—	—
2 25	22 36.99	−15 18.8	1.503	0.530	11.7	20.5	6 E	—	—
3 2	23 8.84	−14 15.4	1.552	0.589	13.9	20.9	8 E	—	1*
3 7	23 38.14	−12 54.3	1.600	0.649	15.8	21.2	10 E	—	4*
408982 2002 SP									
1 26	18 56.71	−27 46.2	0.994	0.410	76.7	21.3	24 W	2*	18*
1 28	19 5.44	−28 31.9	1.044	0.431	70.0	21.3	24 W	1*	18*
1 30	19 14.71	−29 5.6	1.093	0.454	64.3	21.4	25 W	—	19*
2 1	19 24.30	−29 28.7	1.139	0.479	59.3	21.4	25 W	—	19*
2 3	19 34.01	−29 42.8	1.183	0.505	55.1	21.5	25 W	—	19*
141614 2002 JV_{15}									
1 26	19 7.12	−19 9.9	1.790	0.932	21.6	21.5	20 W	7*	12*
1 31	19 32.77	−18 15.5	1.763	0.895	21.4	21.3	19 W	6*	12*
2 5	19 58.93	−17 6.3	1.742	0.861	20.8	21.2	18 W	5*	11*
2 10	20 25.48	−15 42.7	1.725	0.830	19.9	21.1	17 W	4*	9*
2 15	20 52.26	−14 5.5	1.715	0.803	18.6	20.9	15 W	3*	8*
2 20	21 19.12	−12 15.9	1.709	0.781	16.9	20.8	13 W	2*	6*
2 25	21 45.91	−10 16.1	1.709	0.765	14.9	20.7	11 W	1*	5*
3 2	22 12.51	− 8 8.2	1.714	0.755	12.6	20.6	10 W	—	3*
3 7	22 38.81	− 5 54.7	1.724	0.753	10.2	20.5	8 W	—	1*
3 12	23 4.70	− 3 38.5	1.739	0.757	7.7	20.4	6 W	—	—
3 17	23 30.10	− 1 22.0	1.757	0.768	5.3	20.4	4 W	—	—
3 22	23 54.94	+ 0 52.2	1.780	0.786	3.1	20.3	2 W	—	—
3 27	0 19.18	+ 3 2.2	1.806	0.809	1.3	20.3	1 W	—	—
4 1	0 42.79	+ 5 6.1	1.836	0.837	0.9	20.4	1 E	—	—
4 6	1 5.75	+ 7 2.7	1.868	0.869	2.0	20.6	2 E	—	—
4 11	1 28.06	+ 8 51.1	1.904	0.904	2.9	20.8	3 E	—	—
4 16	1 49.72	+10 30.6	1.941	0.942	3.6	21.0	3 E	—	—
4 21	2 10.73	+12 1.0	1.981	0.981	4.0	21.1	4 E	—	—
4 26	2 31.09	+13 22.1	2.023	1.022	4.2	21.3	4 E	—	—
5 1	2 50.83	+14 34.1	2.066	1.064	4.2	21.4	4 E	—	—
513358 2008 CA_5									
1 26	19 11.94	−34 12.6	1.549	0.760	31.5	21.5	24 W	—	17*
1 31	19 42.82	−32 31.3	1.591	0.771	28.6	21.5	22 W	—	15*
2 5	20 11.28	−30 25.8	1.635	0.789	25.8	21.5	20 W	—	13*
2 10	20 37.30	−28 3.0	1.681	0.813	23.2	21.6	19 W	—	12*
2 15	21 1.01	−25 28.9	1.728	0.843	21.0	21.6	18 W	—	11*

2021	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
483560 2004 BV_1									
	h m	° ′			°	m	°	°	°
1 26	19 27.05	−21 41.7	1.917	1.006	15.5	21.5	16 W	2*	9*
1 31	19 50.51	−21 23.8	1.901	0.987	15.4	21.4	15 W	1*	9*
2 5	20 14.21	−20 53.3	1.888	0.970	15.3	21.4	15 W	—	9*
2 10	20 38.02	−20 9.9	1.877	0.955	15.1	21.3	15 W	—	9*
2 15	21 1.82	−19 13.9	1.870	0.944	14.7	21.3	14 W	—	8*
2 20	21 25.48	−18 6.0	1.867	0.934	14.3	21.2	14 W	—	7*
2 25	21 48.91	−16 46.8	1.866	0.928	13.9	21.2	13 W	—	7*
3 2	22 12.02	−15 17.6	1.868	0.926	13.4	21.2	12 W	—	6*
3 7	22 34.72	−13 39.6	1.874	0.926	12.8	21.2	12 W	—	5*
3 12	22 56.98	−11 54.2	1.882	0.929	12.3	21.1	11 W	—	5*
3 17	23 18.75	−10 3.1	1.893	0.936	11.7	21.2	11 W	—	4*
3 22	23 40.01	− 8 8.0	1.906	0.945	11.2	21.2	11 W	—	3*
3 27	0 0.75	− 6 10.2	1.923	0.957	10.7	21.2	10 W	—	3*
4 1	0 20.98	− 4 11.4	1.941	0.972	10.3	21.2	10 W	—	2*
4 6	0 40.72	− 2 12.9	1.961	0.990	9.9	21.3	10 W	—	2*
4 11	0 59.99	− 0 15.8	1.983	1.009	9.5	21.3	10 W	—	2*
4 16	1 18.81	+ 1 38.6	2.007	1.030	9.2	21.4	9 W	—	2*
4 21	1 37.22	+ 3 29.6	2.032	1.053	8.9	21.5	9 W	—	2*
379841 2011 UV_{173}									
1 26	20 26.73	−19 31.8	2.857	1.874	0.9	21.5	2 W	—	—
2 5	20 52.40	−18 17.3	2.825	1.846	3.0	21.6	6 W	—	—
2 15	21 18.12	−16 49.1	2.787	1.820	5.2	21.7	10 W	—	4*
2 25	21 43.83	−15 8.3	2.744	1.795	7.3	21.7	13 W	—	7*
3 7	22 9.49	−13 16.2	2.698	1.771	9.3	21.7	17 W	—	11*
405471 2004 VQ_{36}									
1 26	20 35.94	−20 47.4	2.694	1.711	1.2	21.4	2 E	—	—
2 5	21 3.97	−18 57.7	2.674	1.692	2.2	21.4	4 W	—	—
2 15	21 31.71	−16 51.9	2.652	1.675	4.0	21.5	7 W	—	1*
2 25	21 59.08	−14 32.3	2.627	1.660	5.8	21.6	10 W	—	4*
3 7	22 26.06	−12 1.0	2.602	1.649	7.6	21.6	13 W	—	7*
280853 2005 UY_{282}									
1 26	20 49.85	−17 49.6	2.608	1.627	2.4	21.4	4 E	—	—
2 5	21 18.51	−15 54.5	2.615	1.629	0.6	21.3	1 E	—	—
2 15	21 46.51	−13 46.0	2.620	1.634	1.2	21.3	2 W	—	—
2 25	22 13.80	−11 27.1	2.624	1.641	3.1	21.5	5 W	—	—
3 7	22 40.41	− 9 0.5	2.627	1.651	4.9	21.6	8 W	—	2*
326741 2003 QW_{26}									
1 26	20 57.30	−26 40.6	3.323	2.358	4.0	21.4	10 E	—	3*
2 5	21 16.98	−24 45.3	3.292	2.323	3.7	21.4	9 E	—	—
2 15	21 36.50	−22 42.2	3.250	2.287	4.6	21.4	11 W	—	2*
2 25	21 55.82	−20 31.7	3.197	2.251	6.3	21.4	14 W	—	7*
3 7	22 14.96	−18 14.0	3.133	2.215	8.2	21.4	19 W	—	12*
3 17	22 33.93	−15 49.4	3.060	2.178	10.3	21.4	23 W	—	16*
3 27	22 52.74	−13 18.3	2.978	2.142	12.4	21.4	27 W	—	21*
4 6	23 11.43	−10 41.0	2.888	2.105	14.5	21.3	32 W	1*	26*
4 16	23 30.04	− 7 57.7	2.791	2.068	16.7	21.3	36 W	3*	30*
4 26	23 48.61	− 5 8.7	2.688	2.031	18.8	21.2	40 W	6*	34*
5 6	0 7.21	− 2 14.1	2.581	1.994	20.8	21.2	45 W	9*	39*
5 16	0 25.90	+ 0 45.9	2.470	1.958	22.9	21.1	49 W	12*	42*
5 26	0 44.73	+ 3 51.3	2.356	1.923	24.8	21.0	53 W	16*	45*
6 5	1 3.81	+ 7 1.9	2.241	1.888	26.7	20.9	57 W	20*	47*
6 15	1 23.20	+10 17.7	2.125	1.855	28.6	20.8	61 W	26*	47*
6 25	1 42.98	+13 38.6	2.009	1.822	30.3	20.7	65 W	32*	47*
7 5	2 3.28	+17 4.3	1.895	1.791	31.9	20.6	68 W	38*	45*
7 15	2 24.17	+20 34.6	1.784	1.761	33.3	20.5	72 W	45*	43*
7 25	2 45.76	+24 8.9	1.676	1.734	34.6	20.3	76 W	53*	40*
8 4	3 8.18	+27 46.5	1.573	1.708	35.7	20.2	79 W	60*	36*
8 9	3 19.71	+29 36.2	1.523	1.696	36.2	20.1	81 W	64*	34*
8 14	3 31.48	+31 26.2	1.474	1.685	36.6	20.1	83 W	67*	33
8 19	3 43.49	+33 16.4	1.427	1.674	37.0	20.0	85 W	71*	31
8 24	3 55.75	+35 6.5	1.382	1.665	37.3	19.9	87 W	74*	29
8 29	4 8.26	+36 56.2	1.338	1.655	37.6	19.8	89 W	77*	27
9 3	4 21.01	+38 45.4	1.295	1.647	37.8	19.8	90 W	80*	25
9 8	4 33.98	+40 33.6	1.254	1.639	37.9	19.7	92 W	83*	23
9 13	4 47.15	+42 20.6	1.215	1.632	37.9	19.6	94 W	86*	22
9 18	5 0.50	+44 6.0	1.178	1.626	37.9	19.5	96 W	89*	20
9 23	5 13.98	+45 49.5	1.142	1.621	37.8	19.5	98 W	89	18
9 28	5 27.54	+47 30.9	1.109	1.616	37.7	19.4	100 W	87	16
10 3	5 41.10	+49 10.0	1.076	1.613	37.4	19.3	102 W	86	15
10 8	5 54.54	+50 46.4	1.046	1.610	37.1	19.2	104 W	84	13
10 13	6 7.75	+52 19.9	1.017	1.608	36.6	19.2	106 W	83	12
10 18	6 20.60	+53 50.4	0.990	1.607	36.1	19.1	108 W	81	10
10 23	6 32.93	+55 17.8	0.965	1.607	35.5	19.0	110 W	80	9
10 28	6 44.53	+56 42.1	0.941	1.608	34.8	18.9	112 W	78	7
11 2	6 55.18	+58 3.1	0.920	1.610	34.1	18.9	115 W	77	6
11 7	7 4.60	+59 20.7	0.899	1.612	33.2	18.8	117 W	76	5
11 12	7 12.54	+60 34.4	0.881	1.616	32.3	18.7	119 W	74	3

21/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
		326741 2003 QW_{26}				*(continuation)*			
	h m	° ′			°	m	°	°	°
11 17	7 18.73	+61 43.7	0.865	1.620	31.3	18.7	122 W	73	2
11 22	7 22.90	+62 47.8	0.850	1.626	30.2	18.6	124 W	72	1
11 27	7 24.77	+63 45.4	0.838	1.632	29.1	18.6	127 W	71	—
12 2	7 24.14	+64 34.9	0.828	1.638	27.9	18.5	129 W	70	—
12 7	7 20.93	+65 14.0	0.821	1.646	26.8	18.5	131 W	70	—
12 12	7 15.28	+65 40.1	0.816	1.654	25.7	18.4	133 W	69	—
12 14	7 12.41	+65 46.4	0.815	1.658	25.3	18.4	134 W	69	—
12 16	7 9.25	+65 50.1	0.814	1.662	24.9	18.4	135 W	69	—
12 18	7 5.84	+65 51.1	0.814	1.665	24.5	18.4	135 W	69	—
12 20	7 2.21	+65 49.2	0.815	1.669	24.1	18.4	136 W	69	—
12 22	6 58.42	+65 44.4	0.816	1.673	23.8	18.4	137 W	69	—
12 24	6 54.51	+65 36.7	0.817	1.678	23.5	18.4	137 W	69	—
12 26	6 50.55	+65 25.9	0.819	1.682	23.2	18.4	138 W	70	—
12 28	6 46.58	+65 12.1	0.822	1.686	23.0	18.4	138 W	70	—
12 30	6 42.66	+64 55.3	0.825	1.691	22.8	18.4	138 W	70	—
1 1	6 38.83	+64 35.5	0.829	1.695	22.6	18.4	138 E	70	—
1 3	6 35.16	+64 12.8	0.833	1.700	22.5	18.4	139 E	71	—
1 5	6 31.67	+63 47.4	0.838	1.705	22.4	18.5	139 E	71	—
1 7	6 28.42	+63 19.4	0.844	1.709	22.4	18.5	138 E	72	1
1 9	6 25.41	+62 49.0	0.850	1.714	22.4	18.5	138 E	72	1
1 11	6 22.69	+62 16.3	0.857	1.719	22.5	18.5	138 E	73	2
1 13	6 20.26	+61 41.6	0.865	1.724	22.6	18.5	138 E	73	2
1 15	6 18.13	+61 5.0	0.873	1.730	22.7	18.6	137 E	74	3
1 17	6 16.30	+60 26.7	0.882	1.735	22.8	18.6	137 E	75	4
1 19	6 14.78	+59 47.0	0.891	1.740	23.0	18.6	136 E	75	4
1 21	6 13.56	+59 6.1	0.902	1.746	23.2	18.7	136 E	76	5
		162000 1990 *OS*							
1 26	21 3.24	−17 4.2	1.975	1.006	7.2	21.4	7 E	—	—
2 5	21 45.56	−13 38.2	1.927	0.960	8.1	21.3	8 E	1*	—
2 15	22 28.43	− 9 35.3	1.888	0.926	9.7	21.2	9 E	2*	—
2 25	23 11.62	− 5 4.3	1.861	0.906	11.6	21.2	11 E	4*	1*
3 7	23 54.95	− 0 17.6	1.847	0.903	13.6	21.3	12 E	6*	2*
3 17	0 38.34	+ 4 30.2	1.847	0.916	15.5	21.4	14 E	7*	3*
		307877 2004 BG_{69}							
1 26	21 4.89	−13 7.3	3.963	2.996	3.1	21.5	9 E	3*	—
2 5	21 19.84	−12 13.3	3.940	2.957	1.3	21.3	4 E	—	—
2 15	21 34.98	−11 13.5	3.900	2.917	1.6	21.3	5 W	—	—
2 25	21 50.24	−10 8.7	3.844	2.876	3.6	21.4	10 W	1*	4*
3 7	22 5.58	− 8 59.3	3.773	2.834	5.6	21.4	16 W	3*	10*
3 17	22 20.98	− 7 46.0	3.688	2.792	7.7	21.4	22 W	4*	16*
3 27	22 36.40	− 6 29.7	3.589	2.749	9.8	21.4	28 W	6*	22*
4 6	22 51.83	− 5 10.9	3.478	2.705	11.9	21.4	34 W	8*	28*
4 16	23 7.26	− 3 50.5	3.356	2.661	13.9	21.3	40 W	10*	33*
4 26	23 22.66	− 2 29.5	3.225	2.616	15.9	21.3	45 W	12*	39*
5 6	23 38.04	− 1 8.7	3.085	2.571	17.7	21.2	51 W	14*	44*
5 16	23 53.38	+ 0 11.0	2.938	2.525	19.5	21.1	57 W	17*	49*
5 26	0 8.66	+ 1 28.2	2.785	2.479	21.2	21.0	62 W	20*	53*
6 5	0 23.86	+ 2 42.0	2.628	2.432	22.7	20.9	68 W	24*	56*
6 15	0 38.93	+ 3 51.0	2.468	2.386	24.1	20.8	73 W	28*	58*
6 25	0 53.82	+ 4 53.7	2.307	2.339	25.3	20.6	79 W	33*	59*
7 5	1 8.46	+ 5 48.5	2.145	2.291	26.2	20.4	85 W	38*	58
7 15	1 22.73	+ 6 33.5	1.985	2.244	26.9	20.3	91 W	44*	57
7 25	1 36.47	+ 7 6.5	1.828	2.197	27.3	20.0	97 W	48*	57
8 4	1 49.50	+ 7 25.4	1.675	2.151	27.3	19.8	103 W	51*	57
8 14	2 1.53	+ 7 27.3	1.528	2.105	26.9	19.5	110 W	52*	57
8 24	2 12.25	+ 7 9.7	1.389	2.059	25.9	19.3	117 W	52	57
9 3	2 21.27	+ 6 29.9	1.259	2.014	24.3	19.0	125 W	51	58
9 13	2 28.12	+ 5 25.5	1.141	1.970	21.9	18.6	133 W	50	59
9 23	2 32.38	+ 3 56.2	1.038	1.928	18.9	18.3	142 W	49	60
10 3	2 33.74	+ 2 3.8	0.951	1.887	15.2	17.9	150 W	47	62
10 8	2 33.28	+ 1 0.9	0.914	1.867	13.2	17.7	155 W	46	63
10 13	2 32.10	− 0 4.9	0.882	1.848	11.3	17.6	159 W	45	64
10 18	2 30.29	− 1 11.6	0.856	1.829	9.8	17.4	162 W	44	65
10 23	2 27.94	− 2 17.4	0.835	1.811	9.0	17.3	163 W	43	66
10 28	2 25.20	− 3 20.1	0.819	1.793	9.2	17.3	163 W	42	67
11 2	2 22.23	− 4 17.4	0.808	1.776	10.5	17.3	161 E	41	68
11 7	2 19.23	− 5 7.2	0.803	1.760	12.4	17.3	158 E	40	69
11 12	2 16.42	− 5 47.7	0.802	1.744	14.8	17.4	153 E	39	70
11 17	2 14.01	− 6 17.5	0.806	1.730	17.2	17.4	149 E	39	70
11 22	2 12.16	− 6 35.9	0.815	1.716	19.7	17.5	144 E	38	71
12 2	2 10.67	− 6 38.2	0.842	1.690	24.3	17.7	135 E	38	71
12 12	2 12.71	− 5 56.7	0.882	1.669	28.2	17.9	127 E	39	70
12 22	2 18.50	− 4 38.3	0.931	1.651	31.4	18.1	119 E	40	69
12 27	2 22.75	− 3 47.9	0.959	1.644	32.6	18.2	116 E	41	68
1 1	2 27.85	− 2 51.5	0.988	1.638	33.7	18.3	112 E	42	67
1 6	2 33.76	− 1 49.8	1.018	1.633	34.6	18.3	109 E	43	66
1 11	2 40.45	− 0 44.0	1.050	1.629	35.4	18.4	106 E	44	65*

21/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
		307877 2004 BG_{69}				*(continuation)*			
	h m	° ′			°	m	°	°	°
1 16	2 47.84	+ 0 24.9	1.084	1.626	36.0	18.5	104 E	45	63*
1 21	2 55.88	+ 1 36.2	1.118	1.625	36.5	18.6	101 E	47	62*
		469046 2015 AB_{260}							
1 26	21 22.94	−16 23.0	3.117	2.164	5.5	21.5	12 E	4*	3*
2 5	21 44.03	−15 27.3	3.101	2.127	3.3	21.3	7 E	—	—
2 15	22 5.49	−14 22.8	3.074	2.089	1.5	21.1	3 E	—	—
2 25	22 27.28	−13 10.3	3.037	2.051	2.0	21.1	4 W	—	—
3 7	22 49.40	−11 50.9	2.991	2.014	4.0	21.2	8 W	—	1*
3 17	23 11.87	−10 25.5	2.937	1.977	6.2	21.2	12 W	—	6*
3 27	23 34.72	− 8 55.4	2.875	1.940	8.4	21.2	17 W	—	10*
4 6	23 57.97	− 7 21.8	2.808	1.903	10.6	21.2	21 W	—	14*
4 16	0 21.68	− 5 46.0	2.736	1.868	12.8	21.2	24 W	—	18*
4 26	0 45.89	− 4 9.7	2.660	1.834	14.9	21.2	28 W	—	21*
5 6	1 10.63	− 2 34.4	2.583	1.800	17.0	21.1	31 W	—	25*
5 16	1 35.96	− 1 1.7	2.505	1.769	19.0	21.1	35 W	—	28*
5 26	2 1.88	+ 0 26.2	2.427	1.739	20.8	21.1	38 W	—	32*
6 5	2 28.40	+ 1 47.8	2.350	1.711	22.7	21.0	40 W	2*	34*
6 15	2 55.48	+ 3 0.9	2.276	1.685	24.4	21.0	43 W	4*	37*
6 25	3 23.06	+ 4 3.7	2.204	1.661	26.0	20.9	46 W	7*	39*
7 5	3 51.03	+ 4 54.6	2.135	1.641	27.5	20.8	48 W	11*	41*
7 15	4 19.27	+ 5 32.3	2.070	1.623	28.8	20.8	50 W	15*	42*
7 25	4 47.58	+ 5 55.9	2.008	1.609	30.1	20.8	53 W	19*	44*
8 4	5 15.80	+ 6 5.0	1.949	1.598	31.3	20.7	55 W	23*	45*
8 14	5 43.69	+ 5 59.8	1.893	1.591	32.4	20.7	57 W	27*	45*
8 24	6 11.05	+ 5 41.2	1.838	1.587	33.3	20.6	60 W	31*	46*
9 3	6 37.68	+ 5 10.6	1.784	1.587	34.2	20.6	62 W	35*	47*
9 13	7 3.38	+ 4 30.1	1.731	1.591	34.9	20.5	65 W	38*	48*
9 23	7 27.97	+ 3 42.1	1.676	1.598	35.6	20.5	68 W	41*	49*
10 3	7 51.31	+ 2 49.4	1.620	1.609	36.1	20.5	71 W	43*	51*
10 13	8 13.21	+ 1 55.2	1.561	1.623	36.5	20.4	75 W	45*	53*
10 23	8 33.52	+ 1 3.0	1.499	1.641	36.6	20.3	79 W	45*	55*
11 2	8 52.05	+ 0 16.8	1.434	1.661	36.5	20.3	84 W	45	57*
11 12	9 8.55	− 0 19.0	1.366	1.685	36.0	20.2	90 W	45	60*
11 17	9 15.96	− 0 31.3	1.331	1.697	35.6	20.1	93 W	44	61*
11 22	9 22.76	− 0 39.1	1.296	1.711	35.0	20.1	96 W	44	63*
11 27	9 28.91	− 0 41.6	1.260	1.724	34.4	20.0	99 W	44	64*
12 2	9 34.36	− 0 38.0	1.225	1.739	33.5	19.9	103 W	44	64*
12 7	9 39.05	− 0 27.4	1.190	1.753	32.5	19.9	107 W	45	64*
12 12	9 42.92	− 0 8.8	1.155	1.769	31.3	19.8	111 W	45	64
12 17	9 45.95	+ 0 18.4	1.122	1.784	29.8	19.7	116 W	45	64
12 22	9 48.09	+ 0 55.2	1.090	1.800	28.1	19.6	120 W	46	63
12 27	9 49.28	+ 1 42.1	1.060	1.817	26.2	19.5	125 W	47	62
1 1	9 49.51	+ 2 39.7	1.033	1.834	23.9	19.4	131 W	48	61
1 6	9 48.77	+ 3 48.2	1.009	1.851	21.5	19.3	137 W	49	60
1 11	9 47.08	+ 5 7.4	0.989	1.868	18.7	19.2	142 W	50	59
1 16	9 44.52	+ 6 36.4	0.974	1.886	15.7	19.1	149 W	52	57
1 21	9 41.18	+ 8 13.6	0.965	1.903	12.5	19.0	155 W	53	56
		427583 2003 QK_{103}							
1 26	21 25.06	−16 0.5	2.690	1.742	7.1	21.5	13 E	4*	4*
2 5	21 51.73	−14 23.6	2.689	1.722	5.2	21.4	9 E	1*	1*
2 15	22 18.40	−12 34.1	2.684	1.705	3.5	21.2	6 E	—	—
2 25	22 45.01	−10 34.2	2.676	1.689	2.0	21.1	3 E	—	—
3 7	23 11.55	− 8 25.9	2.667	1.677	1.8	21.1	3 E	—	—
3 17	23 38.02	− 6 11.4	2.655	1.667	3.1	21.1	5 W	—	—
3 27	0 4.43	− 3 53.4	2.643	1.660	4.7	21.2	8 W	—	1*
4 6	0 30.79	− 1 34.3	2.629	1.656	6.4	21.3	11 W	—	4*
4 16	0 57.12	+ 0 43.5	2.615	1.655	8.1	21.3	13 W	—	7*
4 26	1 23.44	+ 2 57.3	2.600	1.657	9.8	21.4	16 W	—	10*
5 6	1 49.75	+ 5 4.9	2.584	1.663	11.4	21.5	19 W	—	13*
		411655 2011 WW_4							
1 26	21 30.57	−13 38.6	2.179	1.252	11.5	21.5	15 E	7*	4*
1 31	21 47.87	−11 52.3	2.187	1.255	11.1	21.5	14 E	7*	3*
2 5	22 4.91	−10 2.3	2.196	1.260	10.7	21.5	14 E	7*	2*
2 10	22 21.69	− 8 9.4	2.208	1.267	10.3	21.5	13 E	7*	1*
2 15	22 38.20	− 6 14.5	2.221	1.276	9.8	21.5	13 E	6*	1*
		306642 2000 SP_{42}							
1 26	21 36.84	−22 5.7	3.478	2.541	5.8	21.4	15 E	1*	9*
2 5	21 54.42	−20 31.9	3.454	2.491	4.2	21.2	11 E	—	5*
2 15	22 12.30	−18 51.6	3.415	2.440	3.0	21.1	8 E	—	1*
2 25	22 30.44	−17 5.1	3.364	2.387	3.3	21.0	8 W	—	—
3 7	22 48.82	−15 12.7	3.300	2.334	4.7	21.0	11 W	—	3*
3 17	23 7.48	−13 14.6	3.226	2.281	6.6	21.0	15 W	—	8*
3 27	23 26.41	−11 11.3	3.141	2.227	8.7	21.0	20 W	—	13*
4 6	23 45.66	− 9 3.1	3.048	2.172	10.8	21.0	24 W	—	17*
4 16	0 5.28	− 6 50.5	2.947	2.117	13.0	20.9	28 W	—	22*
4 26	0 25.32	− 4 34.0	2.840	2.062	15.1	20.9	32 W	—	26*
5 6	0 45.88	− 2 14.1	2.729	2.006	17.3	20.8	36 W	2*	30*

306642 2000 SP_{42} *(continuation)*

21/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
	h m	° ′			°	m	°	°	°
5 16	1 7.04	+ 0 8.7	2.614	1.951	19.5	20.7	40 W	4*	34*
5 26	1 28.89	+ 2 33.4	2.497	1.896	21.6	20.6	44 W	7*	37*
6 5	1 51.56	+ 4 59.4	2.380	1.842	23.7	20.5	47 W	11*	40*
6 15	2 15.17	+ 7 25.5	2.263	1.788	25.8	20.4	50 W	15*	42*
6 25	2 39.84	+ 9 50.4	2.148	1.736	27.8	20.3	53 W	19*	43*
7 5	3 5.72	+12 12.6	2.037	1.686	29.8	20.2	56 W	24*	43*
7 15	3 32.91	+14 29.9	1.929	1.638	31.8	20.0	58 W	29*	43*
7 25	4 1.51	+16 40.0	1.827	1.593	33.7	19.9	60 W	35*	42*
7 30	4 16.37	+17 41.5	1.778	1.571	34.6	19.9	61 W	37*	41*
8 4	4 31.61	+18 40.1	1.731	1.550	35.5	19.8	63 W	40*	40*
8 9	4 47.21	+19 35.4	1.685	1.531	36.4	19.7	64 W	42*	40*
8 14	5 3.17	+20 27.0	1.641	1.512	37.2	19.7	64 W	45*	39*
8 19	5 19.47	+21 14.6	1.599	1.495	38.0	19.6	65 W	47*	38*
8 24	5 36.09	+21 57.6	1.559	1.479	38.8	19.6	66 W	49*	37*
8 29	5 53.02	+22 35.9	1.520	1.464	39.5	19.5	67 W	51*	37*
9 3	6 10.19	+23 8.9	1.484	1.450	40.2	19.5	68 W	53*	36*
9 8	6 27.58	+23 36.5	1.449	1.438	40.8	19.4	69 W	55*	35*
9 13	6 45.11	+23 58.5	1.416	1.427	41.4	19.4	70 W	56*	34*
9 18	7 2.73	+24 14.7	1.385	1.418	42.0	19.3	71 W	58*	34*
9 23	7 20.39	+24 25.1	1.356	1.410	42.5	19.3	72 W	59*	33*
9 28	7 38.01	+24 29.9	1.328	1.405	42.9	19.2	73 W	60*	33*
10 3	7 55.52	+24 29.3	1.302	1.401	43.3	19.2	74 W	61*	32*
10 13	8 29.91	+24 13.1	1.254	1.397	43.8	19.1	76 W	64*	32*
10 23	9 3.02	+23 40.5	1.210	1.401	44.0	19.0	78 W	65*	32*
11 2	9 34.37	+22 56.6	1.169	1.412	44.0	19.0	81 W	66*	33*
11 12	10 3.51	+22 7.7	1.131	1.429	43.6	18.9	84 W	67*	34*
11 22	10 30.09	+21 20.0	1.094	1.453	42.8	18.9	88 W	66	36*
12 2	10 53.79	+20 40.0	1.058	1.482	41.6	18.8	93 W	66	38*
12 12	11 14.23	+20 13.6	1.022	1.516	40.0	18.7	98 W	65	40*
12 22	11 31.04	+20 5.5	0.986	1.555	37.8	18.6	104 W	65	42*
1 1	11 43.78	+20 19.3	0.952	1.597	35.0	18.6	111 W	65	43*
1 11	11 51.93	+20 56.4	0.921	1.643	31.5	18.4	119 W	66	43
1 21	11 55.10	+21 54.1	0.897	1.691	27.3	18.3	128 W	67	42

403775 2011 HS_4

1 26	21 46.18	−15 14.5	1.112	0.347	59.9	21.1	18 E	8*	8*
1 28	21 55.28	−14 25.8	1.047	0.325	70.1	21.1	18 E	9*	8*
1 30	22 3.19	−13 38.3	0.980	0.309	82.0	21.3	18 E	9*	8*
2 1	22 9.29	−12 54.7	0.910	0.301	95.5	21.6	18 E	9*	7*
2 3	22 13.01	−12 17.7	0.841	0.302	109.9	22.2	17 E	8*	6*

469308 1999 RU_{103}

1 26	21 56.15	−10 12.8	2.531	1.658	12.7	21.5	22 E	14*	8*
2 5	22 22.62	− 7 35.7	2.541	1.638	11.1	21.4	19 E	12*	5*
2 15	22 49.18	− 4 48.9	2.550	1.622	9.5	21.3	16 E	9*	3*
2 25	23 15.83	− 1 55.1	2.559	1.610	8.0	21.2	13 E	7*	—
3 7	23 42.57	+ 1 3.0	2.569	1.603	6.4	21.2	10 E	4*	—
3 17	0 9.45	+ 4 2.2	2.580	1.601	4.9	21.1	8 E	2*	—
3 27	0 36.47	+ 6 59.3	2.592	1.602	3.5	21.0	6 E	—	—
4 6	1 3.68	+ 9 51.2	2.606	1.609	2.3	21.0	4 E	—	—
4 16	1 31.09	+12 34.8	2.621	1.620	1.8	21.0	3 W	—	—
4 26	1 58.69	+15 7.4	2.637	1.635	2.5	21.0	4 W	—	—
5 6	2 26.46	+17 26.4	2.653	1.654	3.7	21.2	6 W	—	—
5 16	2 54.35	+19 29.9	2.669	1.676	5.2	21.3	9 W	—	1*
5 26	3 22.25	+21 16.1	2.684	1.703	6.7	21.4	11 W	1*	4*

464798 2004 JX_{20}

1 26	22 18.90	−16 12.8	1.615	0.838	30.1	21.4	25 E	12*	15*
2 5	23 0.09	−12 10.6	1.547	0.789	33.1	21.2	26 E	14*	15*
2 15	23 41.96	− 7 26.0	1.469	0.742	37.3	21.1	27 E	16*	16*
2 25	0 24.73	− 2 2.8	1.382	0.703	42.8	21.0	29 E	18*	16*
3 7	1 8.71	+ 3 51.6	1.288	0.675	49.5	20.9	31 E	21*	16*
3 17	1 54.32	+10 5.7	1.190	0.662	56.8	20.9	34 E	25*	17*
3 27	2 42.16	+16 22.2	1.091	0.668	63.9	21.0	37 E	28*	17*
4 6	3 33.14	+22 19.0	0.999	0.690	70.0	21.0	40 E	32*	18*
4 16	4 28.31	+27 30.0	0.918	0.725	74.3	21.1	44 E	36*	19*
4 26	5 28.29	+31 24.5	0.852	0.769	76.5	21.2	48 E	39*	20*
5 6	6 32.23	+33 32.0	0.803	0.818	77.0	21.2	52 E	42*	22*
5 16	7 37.38	+33 32.7	0.772	0.867	75.9	21.2	56 E	44*	26*
5 26	8 39.82	+31 28.3	0.757	0.916	73.8	21.2	60 E	45*	30*
6 5	9 36.48	+27 42.7	0.758	0.962	71.2	21.2	64 E	44*	35*
6 15	10 26.33	+22 50.6	0.773	1.003	68.4	21.3	67 E	42*	40*
6 25	11 9.86	+17 25.1	0.799	1.040	65.6	21.3	69 E	38*	45*
7 5	11 48.27	+11 51.0	0.833	1.071	63.1	21.4	70 E	35*	50*
7 15	12 22.90	+ 6 23.8	0.875	1.097	60.8	21.5	70 E	31*	55*

509280 2006 VQ_4

1 26	22 29.55	−14 13.6	2.584	1.779	15.2	21.5	28 E	15*	17*
2 5	22 53.36	−11 32.3	2.605	1.756	13.4	21.4	24 E	13*	14*
2 15	23 17.27	− 8 42.8	2.622	1.735	11.7	21.3	21 E	11*	11*
2 25	23 41.29	− 5 47.1	2.635	1.716	10.0	21.2	17 E	8*	8*

509280 2006 VQ_4 *(continuation)*

21/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
	h m	° ′			°	m	°	°	°
3 7	0 5.47	− 2 47.2	2.646	1.701	8.2	21.1	14 E	6*	5*
3 17	0 29.86	+ 0 14.8	2.654	1.688	6.4	21.0	11 E	3*	3*
3 27	0 54.51	+ 3 16.5	2.660	1.678	4.7	21.0	8 E	—	1*
4 6	1 19.48	+ 6 15.5	2.665	1.671	3.0	20.8	5 E	—	—
4 16	1 44.83	+ 9 9.5	2.669	1.667	1.4	20.7	2 E	—	—
4 26	2 10.61	+11 55.9	2.671	1.666	1.0	20.7	2 W	—	—
5 6	2 36.83	+14 32.3	2.673	1.668	2.5	20.8	4 W	—	—
5 16	3 3.52	+16 56.6	2.673	1.673	4.1	20.9	7 W	—	1*
5 26	3 30.63	+19 6.6	2.672	1.682	5.8	21.0	10 W	—	3*
6 5	3 58.11	+21 0.5	2.669	1.693	7.5	21.1	13 W	1*	6*
6 15	4 25.88	+22 37.1	2.665	1.708	9.1	21.2	15 W	3*	8*
6 25	4 53.78	+23 55.2	2.658	1.725	10.8	21.3	19 W	6*	10*
7 5	5 21.67	+24 54.4	2.648	1.744	12.4	21.4	22 W	10*	12*
7 15	5 49.37	+25 34.9	2.635	1.766	14.0	21.4	25 W	13*	13*

37479 1130 *T–1*

1 26	23 4.09	− 4 25.7	2.807	2.141	17.0	21.5	39 E	28*	21*
2 5	23 22.17	− 2 52.8	2.853	2.110	15.2	21.4	34 E	25*	16*
2 15	23 40.82	− 1 13.8	2.887	2.078	13.3	21.4	29 E	20*	13*
2 25	0 0.01	+ 0 30.2	2.911	2.045	11.3	21.3	24 E	16*	9*
3 7	0 19.74	+ 2 17.9	2.923	2.012	9.3	21.2	19 E	12*	6*
3 17	0 40.05	+ 4 8.2	2.926	1.978	7.2	21.0	14 E	7*	4*
3 27	1 0.96	+ 5 59.6	2.918	1.944	5.2	20.9	10 E	3*	1*
4 6	1 22.53	+ 7 50.7	2.901	1.909	3.1	20.7	6 E	—	—
4 16	1 44.83	+ 9 39.9	2.876	1.874	1.2	20.5	2 E	—	—
4 26	2 7.90	+11 25.5	2.843	1.838	1.3	20.5	2 W	—	—
5 6	2 31.80	+13 5.7	2.803	1.803	3.3	20.5	6 W	—	—
5 16	2 56.60	+14 38.5	2.758	1.768	5.3	20.6	9 W	—	3*
5 26	3 22.33	+16 1.9	2.708	1.733	7.3	20.6	13 W	—	7*
6 5	3 49.00	+17 13.6	2.654	1.699	9.3	20.6	16 W	—	9*
6 15	4 16.63	+18 11.4	2.597	1.666	11.2	20.6	19 W	1*	12*
6 25	4 45.15	+18 53.0	2.538	1.634	13.1	20.6	21 W	4*	14*
7 5	5 14.49	+19 16.4	2.478	1.603	14.9	20.5	24 W	7*	16*
7 15	5 44.52	+19 19.9	2.418	1.574	16.7	20.5	26 W	10*	18*
7 25	6 15.08	+19 2.0	2.359	1.547	18.4	20.5	29 W	13*	19*
8 4	6 45.99	+18 22.0	2.301	1.523	20.0	20.4	31 W	16*	20*
8 14	7 17.05	+17 19.8	2.245	1.501	21.6	20.4	33 W	19*	21*
8 24	7 48.05	+15 56.2	2.191	1.482	23.1	20.4	35 W	22*	22*
9 3	8 18.83	+14 12.5	2.139	1.466	24.5	20.3	37 W	25*	23*
9 13	8 49.26	+12 10.9	2.090	1.454	25.9	20.3	39 W	27*	23*
9 23	9 19.21	+ 9 54.3	2.043	1.446	27.1	20.3	41 W	29*	24*
10 3	9 48.64	+ 7 25.9	1.998	1.441	28.4	20.2	43 W	31*	26*
10 13	10 17.49	+ 4 49.1	1.955	1.441	29.5	20.2	45 W	33*	27*
10 23	10 45.75	+ 2 7.6	1.913	1.444	30.6	20.2	48 W	34*	29*
11 2	11 13.45	− 0 34.8	1.872	1.452	31.7	20.2	50 W	35*	31*
11 12	11 40.56	− 3 14.8	1.830	1.463	32.6	20.2	53 W	35*	33*
11 22	12 7.09	− 5 48.8	1.787	1.477	33.6	20.2	56 W	35*	37*
12 2	12 33.01	− 8 14.0	1.742	1.496	34.4	20.2	59 W	35*	40*
12 12	12 58.26	−10 27.5	1.695	1.517	35.2	20.2	62 W	34*	45*
12 22	13 22.74	−12 26.9	1.645	1.540	35.8	20.2	66 W	32*	50*
1 1	13 46.32	−14 10.5	1.591	1.567	36.3	20.2	71 W	31*	55*
1 11	14 8.76	−15 36.4	1.534	1.595	36.6	20.1	75 W	29	61*
1 21	14 29.83	−16 43.7	1.473	1.625	36.6	20.1	80 W	28	67*

477051 2009 BD_2

1 26	23 9.23	− 9 50.0	2.185	1.545	23.5	21.4	39 E	24*	24*
2 5	23 35.66	− 7 54.0	2.181	1.492	22.6	21.3	35 E	22*	22*
2 15	0 3.28	− 5 45.1	2.172	1.442	21.7	21.2	33 E	20*	20*
2 25	0 32.08	− 3 25.3	2.160	1.398	20.9	21.1	30 E	19*	18*
3 7	1 2.09	− 0 57.2	2.148	1.359	20.3	21.0	28 E	17*	17*
3 17	1 33.32	+ 1 35.9	2.137	1.327	19.8	21.0	27 E	15*	17*
3 27	2 5.77	+ 4 10.0	2.128	1.303	19.4	20.9	26 E	13*	16*
4 6	2 39.38	+ 6 40.3	2.125	1.287	19.1	20.9	25 E	12*	16*
4 16	3 14.06	+ 9 1.8	2.128	1.280	18.7	20.8	24 E	10*	16*
4 26	3 49.60	+11 9.1	2.139	1.282	18.3	20.8	24 E	9*	16*
5 6	4 25.74	+12 57.3	2.160	1.293	17.7	20.9	23 E	7*	16*
5 16	5 2.14	+14 22.5	2.190	1.312	17.0	20.9	22 E	5*	15*
5 26	5 38.39	+15 22.3	2.230	1.340	16.1	20.9	22 E	3*	15*
6 5	6 14.07	+15 55.7	2.279	1.375	15.0	21.0	20 E	1*	14*
6 15	6 48.84	+16 3.3	2.336	1.416	13.6	21.1	19 E	—	13*
6 25	7 22.37	+15 47.2	2.399	1.463	12.2	21.2	18 E	—	12*
7 5	7 54.45	+15 10.3	2.467	1.514	10.5	21.2	16 E	—	10*
7 15	8 24.99	+14 15.8	2.538	1.568	8.7	21.3	14 E	—	7*
7 25	8 53.94	+13 7.3	2.611	1.625	6.9	21.4	11 E	—	5*
8 4	9 21.34	+11 48.2	2.683	1.685	4.9	21.4	8 E	—	2*
8 14	9 47.27	+10 21.2	2.752	1.745	3.0	21.4	5 E	—	—
8 24	10 11.83	+ 8 49.2	2.817	1.807	1.3	21.4	2 E	—	—

162214 1999 TC_{10}

1 26	23 32.76	− 1 31.5	1.541	1.133	39.6	21.4	47 E	34*	26*
2 5	23 59.24	+ 3 48.9	1.503	1.072	40.9	21.2	45 E	35*	21*
2 15	0 28.25	+ 9 28.7	1.460	1.022	42.5	21.1	44 E	36*	18*
2 25	1 0.48	+15 22.0	1.415	0.986	44.4	21.0	44 E	37*	15*

21/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
		162214 1999 TC_{10}				*(continuation)*			
	h m	° ′			°	m	°	°	°
3 7	1 36.82	+21 17.9	1.370	0.967	46.4	21.0	45 E	38*	13*
3 17	2 18.41	+26 59.5	1.331	0.966	48.2	21.0	46 E	40*	12*
3 27	3 6.27	+32 2.3	1.302	0.983	49.4	21.0	48 E	42*	12*
4 6	4 0.61	+35 55.9	1.289	1.017	49.8	21.0	51 E	45*	13*
4 16	4 59.96	+38 11.3	1.294	1.066	49.2	21.1	53 E	47*	15*
4 26	6 0.72	+38 32.4	1.322	1.126	47.7	21.3	56 E	48*	18*
5 6	6 58.52	+37 5.9	1.373	1.194	45.6	21.4	58 E	49*	22*
		329437 2002 OA_{22}							
2 5	0 1.81	− 4 5.7	1.245	0.850	52.1	21.4	43 E	29*	26*
2 15	0 38.34	− 0 41.0	1.182	0.807	55.8	21.3	42 E	30*	25*
2 25	1 16.06	+ 2 54.1	1.105	0.768	60.7	21.2	43 E	30*	25*
3 7	1 55.08	+ 6 35.6	1.018	0.736	66.7	21.1	43 E	31*	25*
3 17	2 35.46	+10 19.9	0.921	0.716	73.7	21.1	44 E	32*	25*
3 27	3 17.17	+14 3.9	0.819	0.708	81.2	21.1	45 E	33*	26*
4 6	4 0.30	+17 46.4	0.717	0.714	88.7	21.1	46 E	34*	26*
4 16	4 45.45	+21 27.4	0.620	0.734	95.3	21.1	47 E	35*	26*
4 26	5 33.91	+25 4.9	0.532	0.765	100.3	21.1	48 E	36*	26*
5 6	6 27.68	+28 29.0	0.457	0.803	102.9	21.0	51 E	38*	26*
5 16	7 29.15	+31 13.3	0.397	0.846	102.8	20.8	55 E	42*	27*
5 26	8 39.04	+32 30.2	0.354	0.890	99.9	20.5	60 E	46*	29*
6 5	9 53.94	+31 27.7	0.329	0.934	94.5	20.2	67 E	50*	32*
6 10	10 31.06	+29 56.6	0.323	0.956	91.2	20.1	70 E	51*	34*
6 15	11 6.66	+27 49.3	0.322	0.976	87.7	20.0	74 E	52*	36*
6 20	11 40.05	+25 13.0	0.324	0.996	84.2	19.9	77 E	52*	39
6 25	12 10.84	+22 16.8	0.330	1.016	80.8	19.8	81 E	52*	42
6 30	12 38.96	+19 9.2	0.339	1.034	77.7	19.8	83 E	51*	45
7 5	13 4.58	+15 57.5	0.351	1.051	74.8	19.8	86 E	50*	48
7 10	13 27.99	+12 47.3	0.366	1.067	72.2	19.9	88 E	48*	51
7 15	13 49.50	+ 9 42.5	0.382	1.082	70.0	19.9	89 E	46*	54
7 20	14 9.42	+ 6 45.6	0.401	1.095	68.1	20.0	90 E	44*	57
7 25	14 28.02	+ 3 58.3	0.421	1.108	66.4	20.1	91 E	42*	60
8 4	15 2.23	− 1 6.2	0.465	1.129	63.9	20.3	92 E	38*	65
8 14	15 33.81	− 5 31.1	0.512	1.145	62.1	20.5	91 E	35*	70
8 24	16 3.88	− 9 18.6	0.561	1.156	61.0	20.6	90 E	32*	73*
9 3	16 33.16	−12 31.3	0.611	1.162	60.2	20.8	88 E	30*	75*
9 13	17 2.25	−15 12.1	0.659	1.162	59.7	21.0	86 E	28*	76*
9 23	17 31.45	−17 22.5	0.706	1.157	59.4	21.1	83 E	26*	75*
10 3	18 0.94	−19 3.9	0.749	1.147	59.4	21.2	81 E	25*	73*
10 13	18 30.89	−20 17.3	0.788	1.132	59.5	21.3	78 E	24*	70*
10 23	19 1.29	−21 3.2	0.820	1.111	59.8	21.3	75 E	23*	67*
11 2	19 32.11	−21 22.4	0.846	1.086	60.3	21.4	72 E	23*	64*
11 12	20 3.34	−21 15.6	0.864	1.055	61.1	21.4	69 E	23*	60*
11 22	20 34.86	−20 43.7	0.871	1.021	62.4	21.4	66 E	24*	56*
12 2	21 6.57	−19 48.1	0.869	0.982	64.0	21.3	64 E	25*	53*
12 12	21 38.40	−18 30.4	0.854	0.940	66.4	21.3	61 E	26*	49*
12 22	22 10.15	−16 53.1	0.826	0.896	69.5	21.2	59 E	27*	45*
1 1	22 41.58	−14 59.5	0.785	0.852	73.7	21.1	56 E	28*	42*
1 11	23 12.30	−12 53.8	0.730	0.809	79.3	21.0	54 E	29*	39*
1 21	23 41.49	−10 41.8	0.662	0.770	86.5	21.0	51 E	30*	36*
		337558 2001 SG_{262}							
2 5	0 11.47	+ 4 50.0	1.147	0.889	56.2	21.4	49 E	38*	24*
2 10	0 29.12	+ 6 58.6	1.105	0.864	58.6	21.3	48 E	38*	23*
2 15	0 47.83	+ 9 11.0	1.062	0.844	61.2	21.2	48 E	39*	22*
2 20	1 7.73	+11 25.8	1.017	0.829	63.8	21.2	49 E	40*	22*
2 25	1 28.96	+13 41.4	0.972	0.820	66.4	21.2	49 E	41*	22*
3 2	1 51.68	+15 55.6	0.927	0.818	68.9	21.1	50 E	42*	22*
3 7	2 16.09	+18 6.0	0.884	0.822	71.0	21.1	52 E	43*	22*
3 12	2 42.38	+20 9.2	0.844	0.833	72.7	21.1	53 E	44*	23*
3 17	3 10.71	+22 1.4	0.808	0.849	73.8	21.1	55 E	46*	24*
3 22	3 41.14	+23 37.7	0.777	0.871	74.2	21.0	57 E	48*	26*
3 27	4 13.58	+24 52.8	0.751	0.898	73.9	21.0	60 E	50*	27*
4 1	4 47.69	+25 41.5	0.733	0.928	72.9	21.0	63 E	52*	29*
4 6	5 22.91	+25 59.6	0.723	0.962	71.3	21.0	66 E	53*	32*
4 11	5 58.46	+25 45.0	0.721	0.999	69.1	21.0	69 E	55*	34*
4 16	6 33.45	+24 58.8	0.728	1.038	66.6	21.0	72 E	56*	36*
4 21	7 7.08	+23 44.8	0.743	1.078	63.9	21.1	74 E	56*	39*
4 26	7 38.72	+22 9.0	0.767	1.120	61.1	21.2	77 E	55*	41*
5 1	8 8.02	+20 18.0	0.799	1.163	58.3	21.2	79 E	54*	43*
5 6	8 34.89	+18 18.1	0.838	1.207	55.7	21.3	81 E	53*	46*
5 11	8 59.41	+16 14.6	0.883	1.251	53.2	21.5	82 E	51*	48*
		361861 2008 ED_{69}							
2 5	10 4.40	+ 9 30.5	4.073	5.036	2.7	23.8	166 W	55	54
2 15	9 57.28	+10 29.4	4.041	5.028	0.5	23.6	178 W	55	54
2 25	9 50.04	+11 29.1	4.044	5.020	2.1	23.8	169 E	56	53
3 7	9 43.12	+12 26.7	4.079	5.010	4.3	23.9	157 E	57	52
3 17	9 36.95	+13 19.7	4.146	5.000	6.4	24.1	146 E	58	51

2021	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
		337078 1998 RZ_{13}							
	h m	° ′			°	m	°	°	°
2 5	10 6.52	+ 8 36.0	1.953	2.918	4.9	22.3	165 W	54	55
2 10	10 1.37	+ 9 5.8	1.940	2.919	2.9	22.2	171 W	54	55
2 15	9 56.52	+ 9 36.8	1.933	2.920	1.1	22.0	177 W	55	54
2 20	9 51.63	+10 8.4	1.935	2.921	1.8	22.1	175 E	55	54
2 25	9 46.84	+10 39.7	1.944	2.921	3.8	22.2	169 E	56	53
3 2	9 42.27	+11 10.1	1.961	2.922	5.8	22.4	163 E	56	53
3 7	9 38.02	+11 38.8	1.985	2.922	7.8	22.5	156 E	57	52
		517735 2015 MN_{54}							
2 5	10 6.52	+17 17.9	1.841	2.812	4.4	22.3	167 W	62	47
2 10	10 1.57	+17 51.5	1.824	2.805	2.6	22.1	173 W	63	46
2 15	9 56.41	+18 24.3	1.814	2.798	2.0	22.1	174 W	63	46
2 20	9 51.17	+18 55.5	1.812	2.791	3.4	22.1	170 E	64	45
2 25	9 46.01	+19 24.1	1.817	2.784	5.3	22.3	165 E	64	45
3 2	9 41.05	+19 49.7	1.829	2.777	7.4	22.4	159 E	65	44
3 7	9 36.44	+20 11.7	1.848	2.769	9.4	22.5	153 E	65	44
		275520 1997 MV_{1}							
2 5	10 8.22	+ 3 54.9	2.070	3.024	5.8	22.5	162 W	49	60
2 15	9 59.03	+ 4 50.5	2.030	3.011	2.6	22.3	172 W	50	59
2 25	9 49.53	+ 5 53.9	2.021	2.998	3.6	22.4	169 E	51	58
3 7	9 40.64	+ 6 59.2	2.041	2.984	7.2	22.6	158 E	52	57
3 17	9 33.20	+ 8 1.0	2.090	2.968	10.8	22.7	146 E	53	56
		517739 2015 MS_{101}							
2 5	10 15.64	+14 23.2	2.068	3.032	4.8	22.3	165 W	59	50
2 10	10 10.95	+14 49.9	2.050	3.029	2.9	22.2	171 W	60	49
2 15	10 6.04	+15 16.5	2.039	3.025	1.3	22.0	176 W	60	49
2 20	10 1.03	+15 42.3	2.036	3.021	1.8	22.1	174 E	61	48
2 25	9 56.05	+16 6.6	2.040	3.017	3.7	22.2	169 E	61	48
3 2	9 51.23	+16 29.0	2.052	3.013	5.6	22.3	163 E	61	48
3 7	9 46.67	+16 48.8	2.072	3.008	7.5	22.4	157 E	62	47
		447022 2004 NO							
2 5	10 18.20	+18 32.6	2.089	3.050	4.9	22.8	165 W	64	45
2 10	10 13.58	+19 9.6	2.066	3.042	3.4	22.7	169 W	64	45
2 15	10 8.70	+19 45.8	2.052	3.033	2.5	22.6	172 W	65	44
2 20	10 3.67	+20 20.4	2.045	3.024	3.1	22.7	170 E	65	44
2 25	9 58.63	+20 52.5	2.046	3.015	4.6	22.8	166 E	66	43
3 2	9 53.71	+21 21.5	2.055	3.006	6.4	22.8	160 E	66	43
3 7	9 49.02	+21 46.9	2.070	2.996	8.2	22.9	155 E	67	42
		518635 2008 HO_{3}							
2 5	10 19.94	− 4 27.5	3.907	4.812	5.2	24.9	154 W	41	68
2 15	10 13.19	− 3 51.7	3.862	4.814	3.5	24.8	163 W	41	68
2 25	10 6.20	− 3 7.6	3.849	4.816	2.8	24.7	166 E	42	67
3 7	9 59.44	− 2 17.6	3.868	4.816	3.9	24.8	161 E	43	66
3 17	9 53.32	− 1 25.0	3.918	4.816	5.6	24.9	152 E	44	65
		402138 2004 PC_{97}							
2 5	10 19.99	+34 7.9	3.093	4.018	5.6	23.1	157 W	79	30
2 10	10 15.01	+34 25.3	3.099	4.031	5.3	23.1	158 W	79	30
2 15	10 9.92	+34 39.2	3.113	4.045	5.3	23.1	158 W	80	29
2 20	10 4.81	+34 49.0	3.134	4.058	5.7	23.2	156 E	80	29
2 25	9 59.80	+34 54.6	3.163	4.071	6.3	23.2	153 E	80	29
3 2	9 54.97	+34 56.0	3.199	4.084	7.1	23.3	150 E	80	29
3 7	9 50.42	+34 53.1	3.242	4.097	7.9	23.4	145 E	80	29
		489532 2007 RX_{127}							
2 5	10 21.14	+14 36.9	1.931	2.891	5.5	23.0	164 W	60	49
2 10	10 16.27	+15 2.1	1.930	2.907	3.4	22.9	170 W	60	49
2 15	10 11.24	+15 26.7	1.938	2.923	1.7	22.8	175 W	60	49
2 20	10 6.19	+15 50.0	1.952	2.939	1.7	22.8	175 E	61	48
2 25	10 1.24	+16 11.4	1.975	2.954	3.4	23.0	170 E	61	48
3 2	9 56.52	+16 30.3	2.005	2.969	5.3	23.1	164 E	62	47
3 7	9 52.14	+16 46.4	2.042	2.985	7.2	23.3	158 E	62	47
		416491 2003 WE_{158}							
2 5	10 23.41	+17 13.3	1.517	2.478	6.5	22.3	163 W	62	47
2 10	10 17.82	+17 52.1	1.506	2.482	4.4	22.1	169 W	63	46
2 15	10 11.91	+18 29.8	1.503	2.486	2.8	22.1	173 W	63	46
2 20	10 5.87	+19 5.2	1.506	2.489	3.3	22.1	172 E	64	45
2 25	9 59.90	+19 37.2	1.517	2.491	5.1	22.2	167 E	65	44
3 2	9 54.16	+20 5.2	1.535	2.494	7.4	22.3	161 E	65	44
3 7	9 48.81	+20 28.4	1.560	2.496	9.6	22.5	155 E	65	44
		518568 2007 HO_{67}							
2 5	10 23.70	− 4 34.0	2.069	2.982	8.6	22.6	153 W	40	69
2 15	10 15.11	− 3 39.9	2.003	2.961	5.7	22.4	163 W	41	68
2 25	10 5.80	− 2 28.2	1.966	2.938	4.5	22.3	167 E	43	66
3 7	9 56.68	− 1 4.4	1.959	2.914	6.5	22.4	161 E	44	65
3 17	9 48.68	+ 0 24.4	1.981	2.889	9.8	22.5	151 E	45	64

2021	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
	h m	° ′			°	m	°	°	°
489233 2006 QP_{27}									
2 5	10 23.71	+ 9 30.9	1.605	2.561	6.9	22.4	162 W	55	54
2 10	10 18.33	+ 9 49.5	1.599	2.573	4.5	22.3	168 W	55	54
2 15	10 12.73	+10 9.2	1.599	2.584	2.0	22.1	175 W	55	54
2 20	10 7.06	+10 29.0	1.607	2.595	0.6	22.0	178 E	55	54
2 25	10 1.49	+10 48.4	1.622	2.606	2.9	22.2	172 E	56	53
3 2	9 56.18	+11 6.5	1.645	2.617	5.3	22.4	166 E	56	53
3 7	9 51.25	+11 22.9	1.674	2.628	7.5	22.6	160 E	56	53
449968 2015 PU_{12}									
2 5	10 25.01	− 4 45.4	1.941	2.854	9.1	22.3	153 W	40	69
2 15	10 15.97	− 4 11.3	1.884	2.840	6.1	22.1	162 W	41	68
2 25	10 6.20	− 3 19.5	1.856	2.826	4.9	22.0	166 E	42	67
3 7	9 56.70	− 2 15.1	1.857	2.811	6.9	22.1	160 E	43	66
3 17	9 48.45	− 1 4.6	1.886	2.794	10.1	22.3	150 E	44	65
446826 2001 PE_{1}									
2 5	10 25.93	+ 6 53.3	2.177	3.122	6.1	22.8	160 W	52	57
2 10	10 21.13	+ 7 23.3	2.181	3.149	4.2	22.8	167 W	52	57
2 15	10 16.19	+ 7 54.2	2.193	3.175	2.3	22.7	173 W	53	56
2 20	10 11.24	+ 8 25.5	2.213	3.201	0.8	22.6	177 E	53	56
2 25	10 6.40	+ 8 56.3	2.241	3.226	2.0	22.7	174 E	54	55
3 2	10 1.76	+ 9 26.2	2.277	3.252	3.7	22.9	168 E	54	55
3 7	9 57.42	+ 9 54.4	2.320	3.277	5.5	23.1	162 E	55	54
434451 2005 PV_{6}									
2 5	10 26.18	+21 8.9	1.951	2.905	6.0	22.3	162 W	66	43
2 10	10 21.32	+21 41.9	1.938	2.907	4.5	22.2	167 W	67	42
2 15	10 16.20	+22 13.1	1.932	2.908	3.7	22.2	169 W	67	42
2 20	10 10.94	+22 41.6	1.933	2.909	3.9	22.2	168 E	68	41
2 25	10 5.69	+23 6.7	1.943	2.909	5.2	22.3	165 E	68	41
3 2	10 0.59	+23 27.8	1.959	2.909	6.8	22.4	160 E	68	41
3 7	9 55.76	+23 44.6	1.983	2.910	8.5	22.5	154 E	69	40
356948 2012 VE_{5}									
2 5	10 26.37	+12 56.2	2.188	3.141	5.5	23.1	162 W	58	51
2 10	10 21.70	+13 25.8	2.167	3.140	3.6	23.0	168 W	58	51
2 15	10 16.78	+13 55.9	2.154	3.138	1.8	22.9	174 W	59	50
2 20	10 11.72	+14 25.6	2.149	3.136	1.1	22.8	177 E	59	50
2 25	10 6.65	+14 54.1	2.152	3.134	2.7	22.9	172 E	60	49
3 2	10 1.67	+15 21.0	2.162	3.131	4.6	23.0	165 E	60	49
3 7	9 56.90	+15 45.6	2.180	3.129	6.4	23.2	159 E	61	48
495857 2003 MT									
2 5	10 26.68	−25 48.8	2.676	3.441	11.8	24.5	135 W	19	90
2 15	10 17.66	−26 2.0	2.575	3.398	10.6	24.4	141 W	19	90
2 25	10 7.71	−25 48.3	2.498	3.354	9.9	24.3	144 E	19	90
3 7	9 57.64	−25 7.9	2.447	3.308	10.0	24.2	145 E	20	89
3 17	9 48.32	−24 3.5	2.423	3.262	10.9	24.2	142 E	21	88
494689 2004 JR									
2 5	10 27.59	−43 8.2	2.322	2.924	17.2	23.9	119 W	2	73
2 10	10 20.98	−42 57.6	2.298	2.938	16.6	23.8	122 W	2	73
2 15	10 14.09	−42 36.1	2.278	2.951	16.0	23.8	124 W	2	73
2 20	10 7.12	−42 3.5	2.263	2.964	15.5	23.8	127 E	3	74
2 25	10 0.23	−41 20.1	2.252	2.976	15.0	23.8	129 E	4	75
3 2	9 53.61	−40 26.5	2.248	2.987	14.6	23.8	130 E	5	76
3 7	9 47.39	−39 23.5	2.249	2.998	14.4	23.8	131 E	6	77
516428 2003 UR_{12}									
2 5	10 28.24	−43 3.4	3.135	3.708	13.5	23.9	119 W	2	73
2 10	10 23.13	−42 51.9	3.086	3.700	13.1	23.9	122 W	2	73
2 15	10 17.76	−42 32.2	3.043	3.692	12.7	23.8	124 W	2	73
2 20	10 12.23	−42 3.9	3.004	3.684	12.4	23.8	127 E	3	74
2 25	10 6.68	−41 27.1	2.970	3.675	12.1	23.7	129 E	4	75
3 2	10 1.20	−40 42.0	2.942	3.666	11.8	23.7	131 E	4	75
3 7	9 55.93	−39 48.8	2.920	3.656	11.7	23.7	132 E	5	76
339739 2005 SU_{50}									
2 5	10 29.50	+ 2 49.5	2.047	2.981	7.3	22.8	157 W	48	61
2 15	10 20.65	+ 3 44.8	2.009	2.984	3.7	22.5	169 W	49	60
2 25	10 11.20	+ 4 49.0	2.001	2.986	2.3	22.4	173 E	50	59
3 7	10 2.08	+ 5 56.0	2.023	2.987	5.5	22.7	163 E	51	58
3 17	9 54.18	+ 6 59.9	2.075	2.987	9.2	22.9	151 E	52	57
488453 1994 XD									
2 5	10 29.70	+14 27.0	2.711	3.660	4.8	24.5	162 W	59	50
2 10	10 24.81	+14 58.3	2.707	3.677	3.3	24.4	168 W	60	49
2 15	10 19.76	+15 29.2	2.711	3.694	1.8	24.3	173 W	60	49
2 20	10 14.65	+15 59.0	2.724	3.710	1.3	24.3	175 W	61	48
2 25	10 9.57	+16 27.1	2.745	3.726	2.4	24.4	171 E	61	48
3 2	10 4.63	+16 53.2	2.774	3.741	3.9	24.5	165 E	62	47

2021	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
	h m	° ′			°	m	°	°	°
488453 1994 XD *(continuation)*									
3 7	9 59.91	+17 16.8	2.812	3.756	5.4	24.7	159 E	62	47
3 12	9 55.49	+17 37.6	2.857	3.771	6.8	24.8	153 E	63	46
17274 2000 LC_{16}									
2 5	10 29.71	+ 6 1.4	3.292	4.227	4.8	22.8	159 W	51	58
2 15	10 22.18	+ 6 37.1	3.243	4.221	2.2	22.6	171 W	52	57
2 25	10 14.21	+ 7 16.6	3.226	4.213	1.1	22.5	175 E	52	57
3 7	10 6.39	+ 7 56.6	3.242	4.205	3.7	22.7	164 E	53	56
3 17	9 59.26	+ 8 34.1	3.288	4.195	6.3	22.9	152 E	54	55
474205 2000 SJ_{35}									
2 5	10 29.75	+ 9 19.8	1.733	2.683	7.1	22.4	160 W	54	55
2 10	10 25.09	+ 9 51.9	1.711	2.681	4.8	22.2	167 W	55	54
2 15	10 20.09	+10 25.6	1.696	2.679	2.5	22.1	173 W	55	54
2 20	10 14.91	+11 0.1	1.689	2.677	0.2	21.8	180 W	56	53
2 25	10 9.68	+11 34.4	1.689	2.675	2.2	22.0	174 E	57	52
3 2	10 4.55	+12 7.5	1.697	2.673	4.6	22.2	168 E	57	52
3 7	9 59.66	+12 38.8	1.711	2.670	6.9	22.3	161 E	58	51
3 12	9 55.14	+13 7.5	1.733	2.667	9.0	22.4	155 E	58	51
480960 2003 UU_{30}									
2 5	10 29.78	+ 5 42.2	1.731	2.674	7.7	22.6	159 W	51	58
2 15	10 19.87	+ 6 25.3	1.693	2.673	3.3	22.3	171 W	51	58
2 25	10 9.23	+ 7 15.3	1.684	2.671	2.2	22.2	174 E	52	57
3 7	9 59.00	+ 8 6.0	1.705	2.667	6.5	22.5	162 E	53	56
3 17	9 50.27	+ 8 51.7	1.754	2.663	10.7	22.7	150 E	54	55
529753 2010 MF_{1}									
2 5	10 30.07	− 0 3.2	2.772	3.691	6.4	25.1	155 W	45	64
2 15	10 21.45	+ 0 27.9	2.699	3.665	3.8	24.9	166 W	45	64
2 25	10 12.17	+ 1 8.5	2.657	3.637	2.6	24.8	171 E	46	63
3 7	10 2.92	+ 1 55.0	2.648	3.609	4.6	24.9	163 E	47	62
3 17	9 54.43	+ 2 43.6	2.670	3.579	7.5	25.0	152 E	48	61
396686 2002 TJ_{51}									
2 5	10 31.88	+15 20.4	2.402	3.351	5.4	22.4	161 W	60	49
2 10	10 27.54	+15 44.8	2.394	3.363	3.8	22.3	167 W	61	48
2 15	10 23.00	+16 8.9	2.393	3.374	2.3	22.2	172 W	61	48
2 20	10 18.37	+16 31.8	2.400	3.386	1.6	22.2	174 W	62	47
2 25	10 13.75	+16 53.2	2.416	3.397	2.6	22.2	171 E	62	47
3 2	10 9.25	+17 12.4	2.439	3.408	4.1	22.4	166 E	62	47
3 7	10 4.95	+17 29.2	2.469	3.419	5.7	22.5	160 E	62	47
3 12	10 0.96	+17 43.2	2.507	3.429	7.2	22.6	154 E	63	46
187044 2005 LF_{15}									
2 5	10 35.21	+ 2 3.6	2.055	2.981	7.8	22.3	156 W	47	62
2 15	10 26.49	+ 3 0.6	1.999	2.971	4.2	22.0	167 W	48	61
2 25	10 16.92	+ 4 8.2	1.973	2.959	2.1	21.9	174 E	49	60
3 7	10 7.45	+ 5 20.6	1.977	2.946	5.2	22.1	164 E	50	59
3 17	9 58.99	+ 6 31.3	2.011	2.931	9.0	22.3	153 E	52	57
345131 2005 SC_{1}									
2 5	10 38.16	+12 35.5	1.823	2.768	7.2	22.2	159 W	58	51
2 10	10 33.68	+13 5.8	1.790	2.757	5.1	22.1	166 W	58	51
2 15	10 28.78	+13 37.3	1.765	2.745	3.1	21.9	171 W	59	50
2 20	10 23.59	+14 9.0	1.747	2.734	1.5	21.8	176 W	59	50
2 25	10 18.25	+14 40.0	1.736	2.722	2.3	21.8	174 E	60	49
3 2	10 12.91	+15 9.4	1.733	2.710	4.4	21.9	168 E	60	49
3 7	10 7.71	+15 36.5	1.738	2.698	6.6	22.1	162 E	61	48
3 12	10 2.79	+16 0.5	1.749	2.685	8.8	22.2	156 E	61	48
3 17	9 58.28	+16 21.1	1.767	2.672	10.9	22.3	149 E	61	48
3 22	9 54.30	+16 37.7	1.791	2.659	12.9	22.3	144 E	62	47
138325 2000 GO_{82}									
2 5	10 42.37	− 2 57.4	2.989	3.882	7.0	22.6	151 W	42	67
2 15	10 33.35	− 1 55.2	2.936	3.889	4.4	22.5	162 W	43	66
2 25	10 23.74	− 0 42.3	2.917	3.895	2.6	22.4	170 E	44	65
3 7	10 14.20	+ 0 36.7	2.931	3.899	3.7	22.4	165 E	46	63
3 17	10 5.39	+ 1 57.0	2.979	3.902	6.3	22.6	155 E	47	62
458145 2010 JH_{1}									
2 5	10 44.28	− 0 57.1	2.873	3.772	7.0	22.5	152 W	44	65
2 15	10 37.13	− 0 5.9	2.818	3.774	4.3	22.3	163 W	45	64
2 25	10 29.33	+ 0 55.0	2.793	3.775	2.2	22.2	172 E	46	63
3 7	10 21.51	+ 2 1.3	2.801	3.776	3.3	22.2	168 E	47	62
3 17	10 14.30	+ 3 8.5	2.839	3.775	5.9	22.4	157 E	48	61
228695 2002 PU_{92}									
2 5	10 44.30	+ 5 34.2	2.035	2.961	7.9	22.4	156 W	51	58
2 15	10 35.41	+ 6 23.5	1.984	2.957	4.0	22.1	168 W	51	58
2 25	10 25.56	+ 7 19.8	1.963	2.952	0.8	21.9	177 E	52	57
3 7	10 15.71	+ 8 17.2	1.973	2.946	4.6	22.1	166 E	53	56
3 17	10 6.83	+ 9 10.1	2.012	2.939	8.5	22.3	154 E	54	55

2021	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
	285540 2000 GU_{127}								
	h m	° ′			°	m	°	°	°
2 5	10 47.86	+ 3 30.4	2.092	3.008	8.3	23.1	154 W	49	60
2 15	10 37.39	+ 4 40.4	1.989	2.958	4.5	22.7	167 W	50	59
2 25	10 25.29	+ 6 3.4	1.918	2.906	1.2	22.4	176 E	51	58
3 7	10 12.54	+ 7 33.1	1.880	2.852	5.0	22.6	166 E	53	56
3 17	10 0.26	+ 9 1.7	1.875	2.795	9.5	22.7	153 E	54	55
	453100 2007 WU_4								
2 5	10 49.69	+49 36.5	2.610	3.435	10.4	24.3	141 W	85	14
2 10	10 43.67	+50 15.6	2.622	3.450	10.3	24.3	142 W	85	14
2 15	10 37.27	+50 47.8	2.641	3.464	10.3	24.4	141 W	84	13
2 20	10 30.67	+51 12.3	2.665	3.478	10.6	24.4	140 W	84	13
2 25	10 24.03	+51 28.8	2.696	3.492	11.0	24.5	138 E	84	13
3 2	10 17.54	+51 37.3	2.733	3.506	11.5	24.5	135 E	83	12
3 7	10 11.35	+51 38.1	2.775	3.519	12.1	24.6	132 E	83	12
3 12	10 5.60	+51 31.5	2.823	3.532	12.6	24.6	129 E	83	12
	543201 2013 TD_{124}								
2 5	10 49.94	+ 8 10.3	1.625	2.555	9.3	22.3	155 W	53	56
2 15	10 40.35	+ 9 0.6	1.580	2.555	4.6	22.0	168 W	54	55
2 25	10 29.50	+ 9 56.1	1.564	2.554	0.4	21.7	179 E	55	54
3 7	10 18.63	+10 49.6	1.577	2.552	5.3	22.1	166 E	56	53
3 17	10 8.95	+11 34.7	1.618	2.549	9.9	22.3	154 E	57	52
	453012 2007 PG_{24}								
2 5	10 50.25	+ 2 21.5	1.945	2.857	9.1	22.4	153 W	47	62
2 15	10 42.39	+ 3 13.3	1.869	2.834	5.3	22.2	165 W	48	61
2 25	10 33.25	+ 4 17.4	1.823	2.810	1.7	21.9	175 W	49	60
3 7	10 23.75	+ 5 27.9	1.806	2.786	4.1	22.0	169 E	50	59
3 17	10 14.90	+ 6 38.3	1.819	2.760	8.2	22.2	157 E	52	57
3 27	10 7.64	+ 7 41.8	1.858	2.734	12.2	22.4	145 E	53	56
	415690 1992 UB								
2 5	10 54.18	+29 44.7	2.984	3.890	6.5	22.3	153 W	75	34
2 10	10 50.09	+30 17.4	2.986	3.910	5.8	22.3	156 W	75	34
2 15	10 45.75	+30 47.4	2.994	3.929	5.3	22.3	158 W	76	33
2 20	10 41.27	+31 14.1	3.011	3.949	5.2	22.3	159 W	76	33
2 25	10 36.73	+31 36.9	3.035	3.968	5.5	22.3	158 W	77	32
3 2	10 32.23	+31 55.5	3.066	3.987	6.0	22.4	155 E	77	32
3 7	10 27.85	+32 9.8	3.105	4.005	6.8	22.5	151 E	77	32
3 12	10 23.69	+32 19.5	3.151	4.023	7.6	22.6	147 E	77	32
3 17	10 19.81	+32 24.9	3.203	4.042	8.5	22.6	143 E	77	32
	273264 2006 LW								
2 5	10 55.31	+11 35.9	1.749	2.675	8.9	22.5	155 W	57	52
2 10	10 51.12	+12 8.8	1.719	2.672	6.8	22.3	161 W	57	52
2 15	10 46.46	+12 43.2	1.697	2.669	4.7	22.2	167 W	58	51
2 20	10 41.45	+13 18.1	1.681	2.665	2.7	22.0	173 W	58	51
2 25	10 36.23	+13 52.6	1.674	2.661	1.8	22.0	175 W	59	50
3 2	10 30.95	+14 25.6	1.673	2.657	3.2	22.1	171 E	59	50
3 7	10 25.74	+14 56.3	1.680	2.653	5.3	22.2	166 E	60	49
3 12	10 20.76	+15 23.8	1.694	2.648	7.5	22.3	160 E	60	49
3 17	10 16.15	+15 47.6	1.715	2.643	9.7	22.4	154 E	61	48
	436724 2011 UW_{158}								
2 5	10 55.43	+ 0 21.3	1.077	1.995	14.1	22.4	151 W	45	64
2 15	10 43.43	+ 0 49.9	0.996	1.961	8.5	21.9	163 W	46	63
2 25	10 28.33	+ 1 42.5	0.940	1.925	3.9	21.5	172 E	47	62
3 7	10 11.91	+ 2 52.2	0.910	1.887	7.6	21.6	165 E	48	61
3 17	9 56.45	+ 4 8.2	0.906	1.847	14.5	21.8	152 E	49	60
	306441 1998 UV_{16}								
2 5	10 56.29	+18 30.4	2.261	3.185	7.4	21.8	156 W	64	45
2 10	10 52.44	+19 12.9	2.249	3.197	5.9	21.7	161 W	64	45
2 15	10 48.28	+19 54.6	2.245	3.210	4.5	21.7	165 W	65	44
2 20	10 43.90	+20 34.7	2.249	3.223	3.7	21.6	168 W	66	43
2 25	10 39.41	+21 12.2	2.260	3.235	3.7	21.7	168 W	66	43
3 2	10 34.92	+21 46.4	2.279	3.247	4.5	21.7	165 E	67	42
3 7	10 30.54	+22 16.9	2.306	3.259	5.8	21.8	161 E	67	42
3 12	10 26.37	+22 43.1	2.340	3.270	7.2	21.9	156 E	68	41
3 17	10 22.51	+23 4.8	2.380	3.282	8.6	22.1	150 E	68	41
3 22	10 19.04	+23 21.9	2.427	3.293	10.0	22.2	145 E	68	41
3 27	10 16.03	+23 34.4	2.480	3.304	11.3	22.3	140 E	69	40
	434834 2006 SX_{56}								
2 5	10 58.21	+18 15.5	1.797	2.723	8.8	22.2	155 W	63	46
2 10	10 53.84	+18 51.3	1.774	2.724	7.0	22.1	160 W	64	45
2 15	10 49.00	+19 26.7	1.759	2.725	5.3	22.0	165 W	64	45
2 20	10 43.82	+20 0.5	1.750	2.726	4.2	22.0	168 W	65	44
2 25	10 38.46	+20 31.7	1.749	2.727	4.1	22.0	169 W	66	43
3 2	10 33.05	+20 59.4	1.756	2.727	5.2	22.0	166 E	66	43
3 7	10 27.75	+21 22.9	1.769	2.727	6.8	22.1	161 E	66	43

2021	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
	434834 2006 SX_{56} *(continuation)*								
	h m	° ′			°	m	°	°	°
3 12	10 22.70	+21 41.7	1.790	2.726	8.6	22.2	156 E	67	42
3 17	10 18.03	+21 55.5	1.817	2.726	10.4	22.3	150 E	67	42
3 22	10 13.87	+22 4.1	1.850	2.725	12.2	22.4	145 E	67	42
	217257 Valemangano								
2 5	10 58.87	− 0 41.6	1.944	2.836	10.2	22.2	149 W	44	65
2 15	10 50.49	+ 0 4.1	1.867	2.819	6.5	21.9	161 W	45	64
2 25	10 40.67	+ 1 5.1	1.818	2.801	2.9	21.6	172 W	46	63
3 7	10 30.33	+ 2 15.8	1.800	2.781	3.7	21.6	170 E	47	62
3 17	10 20.55	+ 3 29.7	1.811	2.761	7.6	21.8	158 E	48	61
3 27	10 12.31	+ 4 39.5	1.850	2.739	11.6	22.0	147 E	50	59
	154656 2004 FE_3								
2 5	10 59.18	+ 8 46.7	2.591	3.500	7.2	21.6	153 W	54	55
2 15	10 49.43	+ 9 17.0	2.504	3.470	4.0	21.4	166 W	54	55
2 25	10 38.43	+ 9 50.5	2.449	3.439	0.5	21.0	178 W	55	54
3 7	10 26.98	+10 23.2	2.428	3.406	3.4	21.2	168 E	55	54
3 17	10 15.95	+10 51.1	2.440	3.371	7.0	21.4	156 E	56	53
3 27	10 6.19	+11 11.2	2.481	3.335	10.3	21.5	143 E	56	53
	155684 2000 JT_{54}								
2 5	10 59.37	+ 1 43.4	2.032	2.930	9.6	21.4	150 W	47	62
2 15	10 51.64	+ 2 31.0	1.952	2.909	5.9	21.1	162 W	48	61
2 25	10 42.52	+ 3 31.0	1.901	2.887	2.1	20.8	174 W	49	60
3 7	10 32.88	+ 4 38.2	1.880	2.864	3.2	20.9	171 E	50	59
3 17	10 23.69	+ 5 46.1	1.890	2.840	7.2	21.1	159 E	51	58
3 27	10 15.91	+ 6 48.4	1.926	2.816	11.1	21.3	147 E	52	57
4 6	10 10.21	+ 7 40.3	1.986	2.790	14.5	21.4	136 E	53	56
	254419 2004 VT_{60}								
2 5	10 59.81	+73 8.7	2.323	2.953	16.6	22.7	121 W	62	—
2 7	10 54.57	+73 26.9	2.326	2.951	16.7	22.7	120 W	62	—
2 9	10 49.01	+73 43.3	2.330	2.950	16.8	22.7	120 W	61	—
2 11	10 43.16	+73 57.7	2.335	2.948	17.0	22.7	119 W	61	—
2 13	10 37.07	+74 9.9	2.340	2.946	17.1	22.7	119 W	61	—
2 15	10 30.77	+74 20.0	2.345	2.944	17.2	22.7	118 W	61	—
2 17	10 24.32	+74 27.8	2.352	2.942	17.3	22.7	118 W	61	—
2 19	10 17.77	+74 33.4	2.359	2.940	17.5	22.7	117 W	60	—
2 21	10 11.20	+74 36.7	2.366	2.938	17.6	22.7	116 E	60	—
2 23	10 4.64	+74 37.7	2.374	2.936	17.7	22.7	115 E	60	—
2 25	9 58.17	+74 36.5	2.383	2.933	17.9	22.8	114 E	60	—
2 27	9 51.84	+74 33.2	2.392	2.931	18.0	22.8	114 E	60	—
3 1	9 45.71	+74 27.8	2.401	2.929	18.2	22.8	113 E	61	—
3 3	9 39.81	+74 20.3	2.411	2.926	18.3	22.8	112 E	61	—
3 5	9 34.18	+74 10.9	2.421	2.924	18.5	22.8	111 E	61	—
3 7	9 28.87	+73 59.7	2.432	2.921	18.6	22.8	110 E	61	—
3 9	9 23.90	+73 46.7	2.443	2.919	18.8	22.8	109 E	61	—
3 11	9 19.28	+73 32.2	2.455	2.916	18.9	22.8	108 E	61	—
	272560 2005 UC_{469}								
2 5	11 0.33	+ 2 34.9	1.981	2.881	9.7	21.4	151 W	48	61
2 15	10 52.15	+ 3 12.9	1.913	2.871	5.9	21.2	163 W	48	61
2 25	10 42.62	+ 4 1.8	1.873	2.859	2.0	20.9	174 W	49	60
3 7	10 32.66	+ 4 56.3	1.863	2.847	3.2	20.9	171 E	50	59
3 17	10 23.28	+ 5 50.6	1.883	2.833	7.3	21.2	159 E	51	58
3 27	10 15.42	+ 6 38.8	1.930	2.819	11.1	21.4	147 E	52	57
	477162 2009 ES								
2 5	11 0.52	+31 43.4	0.890	1.817	15.2	22.5	151 W	77	32
2 10	10 48.02	+31 43.0	0.860	1.806	12.9	22.3	156 W	77	32
2 15	10 34.10	+31 30.2	0.836	1.794	11.3	22.2	159 W	77	32
2 20	10 19.27	+31 2.3	0.820	1.781	11.0	22.1	160 W	76	33
2 25	10 4.12	+30 17.7	0.811	1.768	12.2	22.1	158 E	75	34
3 2	9 49.30	+29 16.8	0.809	1.754	14.5	22.2	154 E	74	35
3 7	9 35.40	+28 1.2	0.815	1.739	17.5	22.3	148 E	73	36
3 12	9 22.88	+26 33.8	0.828	1.724	20.7	22.4	142 E	72	37
	330809 2008 VK_{14}								
2 5	11 0.82	+ 0 59.3	1.410	2.315	12.4	22.5	150 W	46	63
2 15	10 47.38	+ 1 46.5	1.358	2.320	7.2	22.2	163 W	47	62
2 25	10 32.09	+ 2 49.6	1.335	2.322	2.7	21.9	174 E	48	61
3 7	10 16.63	+ 4 0.4	1.344	2.321	5.6	22.1	167 E	49	60
3 17	10 2.68	+ 5 9.7	1.382	2.317	10.9	22.4	154 E	50	59
	333981 2000 RF_{88}								
2 5	11 0.89	+ 3 36.3	1.771	2.677	10.3	21.8	151 W	49	60
2 15	10 52.17	+ 4 19.2	1.712	2.673	6.1	21.6	163 W	49	60
2 25	10 42.00	+ 5 12.7	1.681	2.669	1.7	21.3	175 W	50	59
3 7	10 31.45	+ 6 10.7	1.680	2.664	3.5	21.4	170 E	51	58
3 17	10 21.65	+ 7 6.3	1.708	2.657	8.0	21.6	158 E	52	57
3 27	10 13.62	+ 7 53.8	1.762	2.650	12.1	21.9	146 E	53	56

385203 1999 SO_{15}

2021	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
	h m	° ′			°	m	°	°	°
2 5	11 3.19	+ 8 12.7	1.954	2.864	9.2	22.0	152 W	53	56
2 15	10 53.99	+ 8 48.3	1.906	2.871	5.2	21.7	165 W	54	55
2 25	10 43.53	+ 9 28.1	1.888	2.877	1.0	21.4	177 W	54	55
3 7	10 32.84	+10 6.5	1.901	2.882	3.5	21.6	170 E	55	54
3 17	10 22.96	+10 38.7	1.943	2.887	7.6	21.9	157 E	56	53
3 27	10 14.78	+11 0.9	2.013	2.890	11.3	22.1	145 E	56	53

474536 2003 WS_{12}

2021	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
2 5	11 3.26	+19 35.6	1.907	2.826	8.8	22.5	154 W	65	44
2 10	10 58.69	+20 10.5	1.889	2.833	7.2	22.4	159 W	65	44
2 15	10 53.69	+20 44.5	1.878	2.840	5.6	22.3	164 W	66	43
2 20	10 48.37	+21 16.5	1.875	2.846	4.6	22.2	167 W	66	43
2 25	10 42.88	+21 45.5	1.879	2.852	4.4	22.2	167 W	67	42
3 2	10 37.36	+22 10.7	1.890	2.858	5.2	22.3	165 E	67	42
3 7	10 31.95	+22 31.6	1.909	2.864	6.6	22.4	161 E	68	41
3 12	10 26.79	+22 47.6	1.935	2.869	8.2	22.5	156 E	68	41
3 17	10 22.00	+22 58.6	1.968	2.874	9.9	22.6	150 E	68	41

339669 2005 QB_{114}

2021	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
2 5	11 3.59	+ 5 40.7	1.969	2.873	9.5	22.1	151 W	51	58
2 15	10 56.09	+ 6 55.5	1.904	2.865	5.6	21.8	164 W	52	57
2 25	10 47.19	+ 8 19.6	1.867	2.856	1.3	21.5	176 W	53	56
3 7	10 37.79	+ 9 45.6	1.861	2.846	3.1	21.6	171 E	55	54
3 17	10 28.89	+11 6.1	1.885	2.834	7.4	21.9	158 E	56	53
3 27	10 21.41	+12 14.6	1.937	2.822	11.3	22.1	146 E	57	52

387845 2004 NE_{25}

2021	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
2 5	11 3.68	+ 5 3.6	2.160	3.060	9.0	21.8	151 W	50	59
2 15	10 55.68	+ 5 41.1	2.094	3.053	5.4	21.6	163 W	51	58
2 25	10 46.40	+ 6 26.3	2.056	3.044	1.4	21.3	176 W	51	58
3 7	10 36.70	+ 7 14.0	2.050	3.035	2.7	21.4	172 E	52	57
3 17	10 27.50	+ 7 59.3	2.073	3.025	6.7	21.6	159 E	53	56
3 27	10 19.66	+ 8 37.3	2.125	3.013	10.3	21.8	147 E	54	55

369883 2012 QR_{18}

2021	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
2 5	11 6.43	+12 28.3	1.969	2.881	9.1	21.9	153 W	57	52
2 10	11 2.72	+13 8.3	1.940	2.881	7.2	21.8	158 W	58	51
2 15	10 58.57	+13 49.6	1.918	2.882	5.3	21.7	164 W	59	50
2 20	10 54.07	+14 31.3	1.904	2.882	3.6	21.5	169 W	60	49
2 25	10 49.34	+15 12.3	1.897	2.881	2.5	21.5	173 W	60	49
3 2	10 44.49	+15 51.8	1.897	2.881	3.0	21.5	171 E	61	48
3 7	10 39.66	+16 28.7	1.905	2.880	4.6	21.6	167 E	61	48
3 12	10 34.97	+17 2.4	1.921	2.879	6.4	21.7	161 E	62	47
3 17	10 30.55	+17 32.1	1.943	2.878	8.3	21.8	155 E	63	46
3 22	10 26.51	+17 57.5	1.973	2.876	10.1	21.9	150 E	63	46
3 27	10 22.95	+18 18.2	2.008	2.875	11.8	22.0	144 E	63	46

459451 2012 WG_{32}

2021	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
2 5	11 7.05	+30 32.4	1.844	2.745	10.2	21.7	150 W	76	33
2 10	11 0.91	+31 13.7	1.824	2.745	9.1	21.6	154 W	76	33
2 15	10 54.18	+31 51.1	1.810	2.744	8.3	21.6	156 W	77	32
2 20	10 47.02	+32 23.2	1.804	2.743	8.0	21.5	157 W	77	32
2 25	10 39.60	+32 48.9	1.805	2.741	8.3	21.6	156 W	78	31
3 2	10 32.14	+33 7.3	1.814	2.739	9.2	21.6	154 E	78	31
3 7	10 24.82	+33 18.1	1.830	2.736	10.4	21.7	150 E	78	31
3 12	10 17.83	+33 21.0	1.853	2.733	11.8	21.7	146 E	78	31
3 17	10 11.35	+33 16.4	1.882	2.729	13.2	21.8	141 E	78	31
3 22	10 5.52	+33 4.6	1.917	2.725	14.7	21.9	136 E	78	31
3 27	10 0.44	+32 46.4	1.957	2.720	16.0	22.0	131 E	78	31

331984 2005 EM_{76}

2021	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
2 5	11 7.07	+ 1 56.4	1.792	2.685	10.9	21.6	149 W	47	62
2 15	10 59.52	+ 2 58.4	1.719	2.673	6.9	21.3	161 W	48	61
2 25	10 50.33	+ 4 14.6	1.674	2.660	2.5	21.0	173 W	49	60
3 7	10 40.47	+ 5 38.3	1.659	2.646	2.7	21.0	173 E	51	58
3 17	10 31.04	+ 7 1.3	1.673	2.631	7.3	21.2	160 E	52	57
3 27	10 23.10	+ 8 15.9	1.714	2.615	11.6	21.5	148 E	53	56

480876 2001 VV_{113}

2021	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
2 5	11 7.18	+ 6 27.8	1.592	2.499	11.1	21.6	151 W	51	58
2 10	11 3.01	+ 6 53.3	1.577	2.515	8.8	21.5	157 W	52	57
2 15	10 58.37	+ 7 21.2	1.569	2.531	6.5	21.4	163 W	52	57
2 20	10 53.42	+ 7 50.7	1.568	2.547	4.0	21.3	170 W	53	56
2 25	10 48.30	+ 8 20.7	1.575	2.563	1.6	21.1	176 W	53	56
3 2	10 43.16	+ 8 50.2	1.588	2.578	1.0	21.1	178 E	54	55
3 7	10 38.15	+ 9 18.6	1.609	2.594	3.3	21.3	171 E	54	55
3 12	10 33.40	+ 9 44.8	1.637	2.609	5.7	21.5	165 E	55	54
3 17	10 29.06	+10 8.4	1.671	2.624	7.8	21.7	159 E	55	54
3 22	10 25.22	+10 28.7	1.712	2.639	9.9	21.8	153 E	55	54
3 27	10 21.96	+10 45.4	1.760	2.653	11.8	22.0	147 E	56	53

397262 2006 RN_{16}

2021	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
	h m	° ′			°	m	°	°	°
2 5	11 8.50	−10 13.6	5.340	6.142	5.7	22.2	141 W	35	74
2 15	11 4.34	−10 0.6	5.250	6.135	4.4	22.1	151 W	35	74
2 25	10 59.67	− 9 39.5	5.188	6.127	3.2	22.0	160 W	35	74
3 7	10 54.78	− 9 11.2	5.156	6.120	2.4	22.0	165 E	36	73
3 17	10 49.94	− 8 37.6	5.155	6.112	2.8	22.0	163 E	36	73
3 27	10 45.48	− 8 0.5	5.184	6.104	3.9	22.1	155 E	37	72

455215 2001 PM_{35}

2021	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
2 5	11 9.31	−28 58.6	2.507	3.200	14.2	22.1	127 W	16	87
2 10	11 4.90	−29 22.3	2.483	3.218	13.4	22.1	131 W	16	87
2 15	11 0.08	−29 39.1	2.464	3.235	12.5	22.1	135 W	15	86
2 20	10 54.95	−29 48.6	2.451	3.253	11.7	22.0	138 W	15	86
2 25	10 49.64	−29 50.7	2.443	3.270	11.0	22.0	141 W	15	86
3 2	10 44.25	−29 45.6	2.442	3.287	10.5	22.0	143 E	15	86
3 7	10 38.91	−29 33.5	2.447	3.304	10.1	22.0	144 E	15	86
3 12	10 33.73	−29 14.8	2.459	3.320	9.9	22.0	145 E	16	87
3 17	10 28.83	−28 50.4	2.477	3.337	10.0	22.0	144 E	16	87
3 22	10 24.31	−28 20.9	2.501	3.353	10.2	22.1	143 E	17	88
3 27	10 20.25	−27 47.5	2.532	3.369	10.7	22.1	141 E	17	88

518528 2006 SE_{285}

2021	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
2 5	11 10.90	−28 37.8	2.935	3.618	12.5	22.4	127 W	16	87
2 15	11 3.92	−28 36.1	2.859	3.628	11.0	22.3	135 W	16	87
2 25	10 55.85	−28 9.5	2.804	3.637	9.6	22.2	142 W	17	88
3 7	10 47.35	−27 18.1	2.774	3.646	8.6	22.1	147 E	18	89
3 17	10 39.17	−26 4.5	2.771	3.653	8.3	22.1	148 E	19	90
3 27	10 32.01	−24 34.1	2.795	3.660	8.9	22.2	145 E	20	89

445132 2008 VD_{64}

2021	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
2 5	11 11.18	− 4 56.0	2.206	3.061	10.8	22.3	144 W	40	69
2 15	11 3.12	− 4 48.6	2.132	3.057	7.7	22.1	155 W	40	69
2 25	10 53.66	− 4 25.9	2.085	3.053	4.7	21.9	165 W	41	68
3 7	10 43.63	− 3 50.7	2.068	3.047	3.7	21.8	169 E	41	68
3 17	10 33.94	− 3 7.3	2.081	3.040	6.0	22.0	161 E	42	67
3 27	10 25.50	− 2 21.2	2.123	3.032	9.3	22.2	151 E	43	66

368231 2001 UR_{16}

2021	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
2 5	11 11.39	−29 45.1	2.675	3.353	13.7	22.2	126 W	15	86
2 15	11 4.52	−30 0.3	2.565	3.328	12.3	22.0	134 W	15	86
2 25	10 56.16	−29 48.0	2.476	3.302	11.0	21.8	141 W	15	86
3 7	10 47.03	−29 6.7	2.411	3.274	10.0	21.7	145 E	16	87
3 17	10 37.96	−27 57.3	2.371	3.246	9.8	21.7	146 E	17	88
3 27	10 29.84	−26 24.3	2.357	3.217	10.5	21.7	144 E	19	90

525421 2005 ED_{169}

2021	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
2 5	11 11.74	−13 59.5	1.058	1.910	20.1	21.4	138 W	31	78
2 15	11 4.74	−11 51.7	0.996	1.915	15.1	21.1	150 W	33	76
2 25	10 55.27	− 8 51.0	0.957	1.920	9.6	20.9	161 W	36	73
3 7	10 44.81	− 5 9.8	0.942	1.924	6.3	20.7	168 E	40	69
3 17	10 35.11	− 1 10.5	0.956	1.926	9.2	20.8	162 E	44	65
3 27	10 27.79	+ 2 40.0	0.995	1.928	14.6	21.1	151 E	48	61
4 6	10 23.81	+ 6 1.2	1.058	1.930	19.8	21.4	139 E	51	58

486006 2012 PD_{19}

2021	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
2 5	11 11.80	− 4 46.8	2.156	3.011	11.0	21.9	144 W	40	69
2 15	11 4.42	− 4 3.7	2.087	3.015	7.7	21.7	156 W	41	68
2 25	10 55.71	− 3 4.0	2.047	3.018	4.4	21.5	166 W	42	67
3 7	10 46.47	− 1 52.1	2.036	3.019	3.0	21.5	171 E	43	66
3 17	10 37.59	− 0 34.2	2.056	3.020	5.6	21.6	163 E	44	65
3 27	10 29.94	+ 0 42.9	2.104	3.019	9.1	21.8	152 E	46	63

183592 2003 SJ_{313}

2021	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
2 5	11 12.74	+ 3 58.9	1.813	2.703	11.0	21.6	149 W	49	60
2 15	11 5.00	+ 4 57.7	1.751	2.704	6.9	21.4	161 W	50	59
2 25	10 55.65	+ 6 7.5	1.717	2.703	2.4	21.1	173 W	51	58
3 7	10 45.67	+ 7 21.1	1.713	2.702	2.3	21.1	174 E	52	57
3 17	10 36.14	+ 8 31.3	1.739	2.699	6.9	21.4	161 E	54	55
3 27	10 28.09	+ 9 31.4	1.792	2.696	11.0	21.6	149 E	55	54

516541 2006 SX_{294}

2021	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
2 5	11 12.84	+ 0 0.1	1.779	2.658	11.8	22.4	147 W	45	64
2 15	11 5.40	+ 0 50.0	1.705	2.649	7.8	22.1	159 W	46	63
2 25	10 56.23	+ 1 55.8	1.657	2.639	3.5	21.8	171 W	47	62
3 7	10 46.28	+ 3 11.6	1.639	2.628	2.4	21.7	174 E	48	61
3 17	10 36.64	+ 4 29.7	1.650	2.616	6.6	22.0	162 E	49	60
3 27	10 28.42	+ 5 42.3	1.689	2.603	11.0	22.2	150 E	51	58

129248 2005 QV_{33}

2021	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
2 5	11 14.98	+ 4 26.4	1.949	2.835	10.6	21.9	148 W	49	60
2 15	11 7.33	+ 5 9.1	1.878	2.828	6.7	21.6	160 W	50	59
2 25	10 58.05	+ 6 1.4	1.835	2.819	2.5	21.3	173 W	51	58
3 7	10 48.06	+ 6 57.7	1.821	2.810	2.0	21.3	174 E	52	57

2021	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
		129248 2005 QV_{33}				*(continuation)*			
	h m	° ′			°	m	°	°	°
3 17	10 38.37	+ 7 51.8	1.837	2.800	6.4	21.5	162 E	53	56
3 27	10 29.99	+ 8 37.9	1.881	2.789	10.4	21.8	150 E	54	55
		397473 2007 OB_{2}							
2 5	11 16.09	+ 5 48.2	2.532	3.411	8.7	22.5	148 W	51	58
2 15	11 9.15	+ 6 40.7	2.464	3.411	5.5	22.3	160 W	52	57
2 25	11 0.98	+ 7 39.8	2.425	3.409	2.1	22.0	173 W	53	56
3 7	10 52.28	+ 8 40.6	2.417	3.406	1.6	22.0	175 E	54	55
3 17	10 43.79	+ 9 37.9	2.441	3.403	5.1	22.2	162 E	55	54
3 27	10 36.26	+10 27.3	2.494	3.398	8.3	22.4	150 E	55	54
		480918 2002 VF_{118}							
2 5	11 16.24	−23 26.0	2.130	2.871	15.1	21.9	131 W	22	87
2 10	11 11.81	−23 52.4	2.098	2.880	14.1	21.8	135 W	21	88
2 15	11 6.87	−24 12.0	2.071	2.889	13.0	21.7	139 W	21	88
2 20	11 1.52	−24 24.2	2.049	2.898	11.9	21.7	143 W	21	88
2 25	10 55.88	−24 28.9	2.034	2.906	11.0	21.6	146 W	21	88
3 2	10 50.08	−24 26.1	2.025	2.915	10.3	21.6	148 E	21	88
3 7	10 44.26	−24 16.0	2.023	2.923	9.9	21.6	150 E	21	88
3 12	10 38.56	−23 59.1	2.027	2.930	9.7	21.6	150 E	21	88
3 17	10 33.13	−23 36.0	2.038	2.938	10.0	21.6	149 E	21	88
3 22	10 28.08	−23 7.7	2.056	2.945	10.5	21.7	147 E	22	87
3 27	10 23.52	−22 35.4	2.080	2.952	11.3	21.7	145 E	22	87
		436073 2009 ST_{100}							
2 5	11 16.42	− 3 54.6	2.040	2.895	11.6	22.2	144 W	41	68
2 15	11 8.55	− 3 33.0	1.971	2.898	8.2	22.0	155 W	41	68
2 25	10 59.16	− 2 55.5	1.929	2.900	4.7	21.7	166 W	42	67
3 7	10 49.13	− 2 5.7	1.917	2.901	3.1	21.6	171 E	43	66
3 17	10 39.42	− 1 9.2	1.934	2.901	5.7	21.8	163 E	44	65
3 27	10 31.00	− 0 12.1	1.981	2.900	9.3	22.0	152 E	45	64
		215757 2004 FU_{64}							
2 5	11 17.41	+41 15.6	1.598	2.461	13.8	21.6	143 W	86	23
2 10	11 10.23	+41 57.7	1.576	2.454	13.2	21.5	146 W	87	22
2 15	11 2.15	+42 32.6	1.560	2.446	12.8	21.5	147 W	88	21
2 20	10 53.39	+42 58.3	1.550	2.439	12.8	21.4	147 W	88	21
2 25	10 44.23	+43 13.4	1.547	2.430	13.2	21.4	146 W	88	21
3 2	10 34.94	+43 17.1	1.550	2.422	14.0	21.5	144 E	88	21
3 7	10 25.84	+43 9.0	1.559	2.413	15.0	21.5	141 E	88	21
3 12	10 17.21	+42 49.3	1.575	2.403	16.2	21.6	138 E	88	21
3 17	10 9.29	+42 18.7	1.595	2.393	17.5	21.6	134 E	87	22
3 22	10 2.29	+41 38.5	1.621	2.383	18.8	21.7	130 E	87	22
3 27	9 56.33	+40 50.0	1.651	2.372	20.1	21.8	125 E	86	23
		474203 2000 QR_{199}							
2 5	11 18.05	+ 5 22.2	1.786	2.673	11.3	22.4	148 W	50	59
2 15	11 10.35	+ 6 24.8	1.728	2.678	7.2	22.2	160 W	51	58
2 25	11 0.96	+ 7 36.8	1.698	2.683	2.7	21.9	173 W	53	56
3 7	10 50.86	+ 8 51.0	1.697	2.686	2.1	21.8	174 E	54	55
3 17	10 41.17	+ 9 59.6	1.726	2.689	6.7	22.1	162 E	55	54
3 27	10 32.94	+10 56.4	1.782	2.690	10.8	22.4	150 E	56	53
		434640 2005 WE_{144}							
2 5	11 18.45	+ 2 33.5	1.988	2.863	10.9	22.3	147 W	48	61
2 15	11 11.16	+ 3 31.3	1.935	2.878	7.1	22.1	159 W	49	60
2 25	11 2.44	+ 4 39.7	1.911	2.893	3.0	21.8	171 W	50	59
3 7	10 53.15	+ 5 52.6	1.916	2.906	1.4	21.7	176 E	51	58
3 17	10 44.25	+ 7 3.0	1.951	2.919	5.6	22.0	164 E	52	57
3 27	10 36.64	+ 8 4.8	2.015	2.931	9.4	22.3	151 E	53	56
		436063 2009 RG_{70}							
2 5	11 18.75	+ 5 40.4	1.809	2.695	11.2	21.5	148 W	51	58
2 15	11 10.54	+ 6 10.4	1.735	2.684	7.2	21.3	160 W	51	58
2 25	11 0.46	+ 6 49.0	1.687	2.672	2.7	21.0	173 W	52	57
3 7	10 49.49	+ 7 30.7	1.669	2.659	2.0	20.9	175 E	53	56
3 17	10 38.77	+ 8 9.5	1.681	2.645	6.7	21.1	162 E	53	56
3 27	10 29.46	+ 8 39.9	1.720	2.630	11.1	21.4	150 E	54	55
		481102 2005 TG_{3}							
2 5	11 18.83	− 6 8.3	1.868	2.714	12.9	22.2	142 W	39	70
2 15	11 11.76	− 5 10.4	1.816	2.737	9.2	22.0	154 W	40	69
2 25	11 3.21	− 3 52.8	1.791	2.759	5.4	21.8	165 W	41	68
3 7	10 54.11	− 2 21.7	1.795	2.780	3.1	21.7	171 E	43	66
3 17	10 45.45	− 0 44.9	1.829	2.800	5.4	21.9	165 E	44	65
3 27	10 38.15	+ 0 49.0	1.891	2.820	9.1	22.1	154 E	46	63
		339713 2005 SG_{1}							
2 5	11 20.73	+10 44.5	2.072	2.960	9.9	21.9	149 W	56	53
2 15	11 12.72	+11 32.5	2.013	2.963	6.3	21.7	161 W	57	52
2 25	11 3.17	+12 23.4	1.982	2.965	2.7	21.4	172 W	57	52
3 7	10 52.95	+13 10.9	1.981	2.966	2.9	21.4	171 E	58	51

2021	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
		339713 2005 SG_{1}				*(continuation)*			
	h m	° ′			°	m	°	°	°
3 17	10 43.05	+13 49.8	2.011	2.965	6.6	21.7	160 E	59	50
3 27	10 34.44	+14 15.9	2.068	2.964	10.2	21.9	148 E	59	50
		269993 2000 WJ_{67}							
2 5	11 21.38	+13 46.3	1.986	2.878	10.1	22.0	149 W	59	50
2 10	11 17.64	+14 23.7	1.956	2.880	8.3	21.9	155 W	59	50
2 15	11 13.40	+15 2.1	1.932	2.882	6.5	21.8	161 W	60	49
2 20	11 8.75	+15 40.7	1.916	2.884	4.9	21.7	166 W	61	48
2 25	11 3.79	+16 18.4	1.907	2.886	3.6	21.6	170 W	61	48
3 2	10 58.66	+16 54.3	1.906	2.887	3.3	21.6	170 W	62	47
3 7	10 53.48	+17 27.4	1.912	2.888	4.3	21.7	167 E	62	47
3 12	10 48.38	+17 57.1	1.926	2.889	5.9	21.8	163 E	63	46
3 17	10 43.49	+18 22.6	1.947	2.889	7.7	21.9	157 E	63	46
3 22	10 38.95	+18 43.6	1.975	2.889	9.5	22.0	151 E	64	45
3 27	10 34.86	+18 59.7	2.009	2.889	11.2	22.1	146 E	64	45
4 1	10 31.28	+19 11.1	2.049	2.889	12.8	22.2	140 E	64	45
		347635 2001 SQ_{277}							
2 5	11 21.53	− 0 1.2	2.036	2.898	11.3	22.2	145 W	45	64
2 15	11 13.70	+ 0 23.7	1.981	2.915	7.7	22.0	157 W	45	64
2 25	11 4.40	+ 1 0.7	1.954	2.931	3.8	21.7	169 W	46	63
3 7	10 54.51	+ 1 45.2	1.956	2.946	1.8	21.6	175 E	47	62
3 17	10 45.00	+ 2 32.0	1.989	2.960	5.1	21.9	165 E	48	61
3 27	10 36.77	+ 3 15.6	2.050	2.973	8.8	22.1	153 E	48	61
		391523 2007 RH_{192}							
2 5	11 22.01	− 9 52.6	2.080	2.899	12.9	21.9	139 W	35	74
2 15	11 15.83	− 9 26.1	1.980	2.878	9.9	21.6	150 W	36	73
2 25	11 7.91	− 8 37.3	1.905	2.856	6.8	21.4	160 W	36	73
3 7	10 58.96	− 7 28.4	1.858	2.833	4.6	21.2	167 E	38	71
3 17	10 49.89	− 6 4.3	1.839	2.809	5.6	21.2	164 E	39	70
3 27	10 41.72	− 4 32.7	1.850	2.785	8.8	21.4	155 E	40	69
		254417 2004 VV							
2 5	11 22.76	+14 48.6	2.436	3.321	8.8	22.4	149 W	60	49
2 15	11 10.04	+15 11.5	2.375	3.326	5.4	22.2	161 W	60	49
2 25	10 55.84	+15 31.0	2.347	3.329	2.5	22.0	171 W	61	48
3 7	10 41.20	+15 42.4	2.356	3.331	3.7	22.1	168 E	61	48
3 17	10 27.20	+15 42.8	2.399	3.332	7.0	22.3	156 E	61	48
		281396 2008 QN_{48}							
2 5	11 24.48	− 1 4.3	2.249	3.098	10.9	21.6	144 W	44	65
2 15	11 17.51	− 0 32.0	2.175	3.100	7.6	21.4	155 W	44	65
2 25	11 9.05	+ 0 13.1	2.128	3.101	4.1	21.2	167 W	45	64
3 7	10 59.83	+ 1 6.8	2.111	3.101	1.6	21.0	175 E	46	63
3 17	10 50.73	+ 2 4.1	2.125	3.100	4.4	21.2	166 E	47	62
3 27	10 42.59	+ 2 59.2	2.168	3.098	8.0	21.4	154 E	48	61
		493555 2015 JH_{9}							
2 5	11 24.61	+11 35.6	1.721	2.610	11.5	22.2	148 W	57	52
2 15	11 17.03	+12 31.0	1.644	2.594	7.6	21.9	160 W	58	51
2 25	11 7.33	+13 30.8	1.595	2.576	3.7	21.6	170 W	59	50
3 7	10 56.47	+14 27.1	1.574	2.558	3.7	21.6	170 E	59	50
3 17	10 45.68	+15 12.4	1.582	2.539	7.8	21.8	160 E	60	49
3 27	10 36.20	+15 41.2	1.617	2.519	12.1	22.0	148 E	61	48
		282917 2007 LA_{33}							
2 5	11 25.31	− 5 46.2	2.401	3.227	11.1	21.7	141 W	39	70
2 15	11 18.51	− 5 31.1	2.316	3.222	8.2	21.5	152 W	39	70
2 25	11 10.23	− 5 0.9	2.257	3.216	5.2	21.3	163 W	40	69
3 7	11 1.15	− 4 18.1	2.227	3.209	3.1	21.2	170 E	41	68
3 17	10 52.07	− 3 26.7	2.229	3.202	4.5	21.3	166 E	42	67
3 27	10 43.84	− 2 32.1	2.259	3.193	7.5	21.4	155 E	42	67
		326350 2000 SS_{217}							
2 5	11 26.35	+14 48.3	1.904	2.791	10.7	21.9	148 W	60	49
2 10	11 22.71	+15 24.2	1.870	2.790	9.0	21.8	154 W	60	49
2 15	11 18.50	+16 1.1	1.844	2.789	7.2	21.7	159 W	61	48
2 20	11 13.83	+16 38.1	1.824	2.788	5.5	21.6	164 W	62	47
2 25	11 8.81	+17 14.1	1.811	2.787	4.2	21.5	168 W	62	47
3 2	11 3.55	+17 48.1	1.806	2.785	3.9	21.5	169 W	63	46
3 7	10 58.20	+18 19.1	1.808	2.784	4.7	21.5	167 E	63	46
3 12	10 52.90	+18 46.4	1.818	2.781	6.2	21.6	162 E	64	45
3 17	10 47.79	+19 9.3	1.835	2.779	8.0	21.7	157 E	64	45
3 22	10 43.02	+19 27.3	1.858	2.776	9.8	21.8	152 E	64	45
3 27	10 38.69	+19 40.2	1.888	2.773	11.6	21.9	146 E	65	44
4 1	10 34.89	+19 48.0	1.924	2.770	13.2	22.0	141 E	65	44

436997 2012 TL_{219}

2021	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
	h m	° ′			°	m	°	°	°
2 5	11 28.39	− 0 30.3	2.026	2.875	11.9	22.1	143 W	44	65
2 15	11 21.96	+ 0 23.9	1.941	2.866	8.4	21.9	155 W	45	64
2 25	11 13.75	+ 1 33.5	1.883	2.857	4.4	21.6	167 W	47	62
3 7	11 4.51	+ 2 53.3	1.855	2.846	1.0	21.4	177 E	48	61
3 17	10 55.19	+ 4 16.4	1.857	2.835	4.6	21.6	167 E	49	60
3 27	10 46.77	+ 5 35.2	1.888	2.822	8.7	21.8	155 E	51	58

474401 2002 UY_{13}

2021	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
2 5	11 28.71	+20 49.8	1.448	2.342	13.0	22.3	148 W	66	43
2 10	11 24.63	+21 30.9	1.437	2.358	11.0	22.2	153 W	67	42
2 15	11 19.90	+22 10.7	1.431	2.374	9.2	22.2	157 W	67	42
2 20	11 14.68	+22 47.7	1.432	2.389	7.7	22.1	161 W	68	41
2 25	11 9.13	+23 20.5	1.439	2.404	6.8	22.1	163 W	68	41
3 2	11 3.43	+23 48.2	1.454	2.419	6.8	22.1	163 W	69	40
3 7	10 57.77	+24 9.8	1.475	2.434	7.6	22.2	161 E	69	40
3 12	10 52.32	+24 24.8	1.502	2.449	9.0	22.3	157 E	69	40
3 17	10 47.26	+24 33.1	1.536	2.464	10.6	22.5	153 E	70	39
3 22	10 42.71	+24 34.6	1.576	2.478	12.3	22.6	148 E	70	39

439880 1999 XV_{223}

2021	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
2 5	11 28.73	+13 36.1	1.803	2.687	11.4	21.8	147 W	59	50
2 10	11 25.21	+14 14.6	1.787	2.705	9.5	21.7	153 W	59	50
2 15	11 21.18	+14 53.8	1.779	2.723	7.6	21.7	159 W	60	49
2 20	11 16.76	+15 32.8	1.777	2.741	5.7	21.6	164 W	61	48
2 25	11 12.06	+16 10.3	1.782	2.758	4.3	21.5	168 W	61	48
3 2	11 7.22	+16 45.4	1.795	2.776	3.6	21.5	170 W	62	47
3 7	11 2.37	+17 17.2	1.815	2.793	4.2	21.6	168 E	62	47
3 12	10 57.65	+17 45.1	1.842	2.810	5.6	21.7	164 E	63	46
3 17	10 53.17	+18 8.5	1.876	2.827	7.3	21.9	159 E	63	46
3 22	10 49.07	+18 27.0	1.917	2.844	9.0	22.0	153 E	63	46
3 27	10 45.43	+18 40.5	1.965	2.860	10.6	22.1	148 E	64	45
4 1	10 42.31	+18 49.1	2.018	2.876	12.2	22.2	143 E	64	45

330233 2006 KV_{86}

2021	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
2 5	11 29.71	−48 55.7	1.379	1.933	28.9	22.1	108 W	—	67
2 10	11 24.18	−49 11.9	1.351	1.948	28.0	22.0	112 W	—	67
2 15	11 17.59	−49 13.5	1.325	1.962	27.1	22.0	115 W	—	67
2 20	11 10.15	−48 58.9	1.300	1.976	26.0	21.9	119 W	—	67
2 25	11 2.14	−48 26.8	1.279	1.989	25.0	21.9	122 W	—	68
3 2	10 53.88	−47 36.5	1.260	2.001	23.9	21.8	125 W	—	68
3 7	10 45.67	−46 27.7	1.245	2.013	22.9	21.8	128 E	—	70
3 12	10 37.86	−45 0.8	1.235	2.024	22.0	21.8	130 E	—	71
3 17	10 30.74	−43 17.4	1.229	2.035	21.3	21.7	132 E	2	73
3 22	10 24.54	−41 19.7	1.228	2.045	20.8	21.7	133 E	4	75
3 27	10 19.42	−39 10.6	1.233	2.054	20.5	21.7	134 E	6	77
4 1	10 15.44	−36 53.2	1.244	2.063	20.6	21.8	133 E	8	79

455432 2003 RP_{8}

2021	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
2 5	11 30.77	−34 27.4	1.564	2.227	22.5	22.0	120 W	11	82
2 10	11 25.37	−35 52.9	1.515	2.215	21.9	21.9	123 W	9	80
2 15	11 18.81	−37 11.3	1.470	2.203	21.2	21.8	126 W	8	79
2 20	11 11.14	−38 20.6	1.430	2.190	20.6	21.7	129 W	7	78
2 25	11 2.46	−39 19.0	1.395	2.177	20.1	21.6	131 W	6	77
3 2	10 52.95	−40 4.7	1.365	2.163	19.7	21.5	133 W	5	76
3 7	10 42.84	−40 36.3	1.340	2.148	19.5	21.5	134 E	4	75
3 12	10 32.45	−40 52.8	1.321	2.133	19.6	21.4	134 E	4	75
3 17	10 22.11	−40 54.2	1.307	2.118	19.9	21.4	133 E	4	75
3 22	10 12.18	−40 41.0	1.297	2.102	20.5	21.4	132 E	4	75
3 27	10 2.99	−40 14.7	1.293	2.086	21.2	21.4	131 E	5	76
4 1	9 54.77	−39 37.2	1.293	2.069	22.2	21.4	129 E	5	76
4 6	9 47.73	−38 50.7	1.297	2.052	23.2	21.4	126 E	6	77
4 11	9 41.98	−37 57.5	1.305	2.034	24.4	21.5	123 E	7	78
4 16	9 37.59	−37 0.1	1.316	2.016	25.5	21.5	120 E	8	79

152679 1998 KU_{2}

2021	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
2 5	11 30.91	− 1 41.3	2.479	3.311	10.6	21.8	142 W	43	66
2 15	11 23.94	− 1 0.7	2.372	3.287	7.6	21.6	154 W	44	65
2 25	11 15.32	− 0 6.2	2.294	3.263	4.3	21.4	166 W	45	64
3 7	11 5.67	+ 0 58.5	2.246	3.236	1.4	21.1	175 E	46	63
3 17	10 55.78	+ 2 8.4	2.231	3.209	3.9	21.2	167 E	47	62
3 27	10 46.53	+ 3 17.6	2.246	3.180	7.6	21.4	155 E	48	61

457212 2008 JR_{26}

2021	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
2 5	11 30.92	−31 3.6	0.879	1.636	30.5	21.9	123 W	14	85
2 10	11 27.92	−31 50.0	0.843	1.634	29.1	21.8	126 W	13	84
2 15	11 23.70	−32 23.2	0.810	1.631	27.6	21.6	130 W	13	84
2 20	11 18.33	−32 41.0	0.780	1.627	26.1	21.5	134 W	12	83
2 25	11 11.95	−32 41.1	0.752	1.624	24.5	21.4	137 W	12	83
3 2	11 4.79	−32 21.8	0.728	1.619	23.1	21.3	140 W	13	84
3 7	10 57.12	−31 41.7	0.708	1.614	21.8	21.1	143 E	13	84
3 12	10 49.31	−30 40.4	0.692	1.609	20.9	21.1	145 E	14	85

457212 2008 JR_{26} *(continuation)*

2021	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
3 17	10 41.75	−29 18.7	0.681	1.603	20.6	21.0	146 E	16	87
3 22	10 34.82	−27 39.0	0.673	1.597	20.8	21.0	145 E	17	88
3 27	10 28.85	−25 44.6	0.671	1.590	21.6	21.0	144 E	19	90
4 1	10 24.05	−23 39.6	0.672	1.583	23.0	21.0	142 E	21	88
4 6	10 20.57	−21 28.2	0.678	1.575	24.8	21.1	139 E	24	85
4 11	10 18.50	−19 14.7	0.688	1.567	26.8	21.2	135 E	26	83
4 16	10 17.85	−17 2.9	0.702	1.559	28.9	21.3	131 E	28	81
4 21	10 18.59	−14 56.2	0.718	1.550	31.0	21.4	127 E	30	79
4 26	10 20.63	−12 57.0	0.738	1.541	33.0	21.5	123 E	32	77

164457 2006 DN_{89}

2021	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
2 5	11 32.54	− 0 32.7	2.227	3.065	11.4	21.5	142 W	44	65
2 15	11 26.90	+ 0 28.7	2.131	3.049	8.2	21.2	154 W	45	64
2 25	11 19.56	+ 1 45.3	2.063	3.033	4.5	21.0	166 W	47	62
3 7	11 11.15	+ 3 12.3	2.024	3.016	0.7	20.7	178 W	48	61
3 17	11 2.49	+ 4 43.0	2.016	2.997	3.8	20.9	169 E	50	59
3 27	10 54.48	+ 6 9.9	2.037	2.978	7.7	21.1	156 E	51	58
4 6	10 47.89	+ 7 26.9	2.086	2.958	11.4	21.3	144 E	52	57
4 16	10 43.28	+ 8 29.5	2.158	2.937	14.4	21.4	133 E	53	56

523966 1998 YF_{10}

2021	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
2 5	11 32.88	+37 29.3	0.716	1.615	21.7	22.0	143 W	82	27
2 10	11 26.37	+39 12.8	0.720	1.630	20.3	22.0	145 W	84	25
2 15	11 18.52	+40 43.2	0.728	1.644	19.4	22.0	146 W	86	23
2 20	11 9.72	+41 57.1	0.741	1.659	19.1	22.0	147 W	87	22
2 25	11 0.41	+42 51.9	0.759	1.672	19.4	22.1	146 W	88	21
3 2	10 51.07	+43 26.8	0.781	1.686	20.3	22.2	144 E	88	21
3 7	10 42.17	+43 41.9	0.807	1.698	21.5	22.3	141 E	89	20
3 12	10 34.10	+43 38.6	0.838	1.711	22.8	22.5	138 E	89	20
3 17	10 27.19	+43 18.9	0.872	1.723	24.3	22.6	135 E	88	21

517726 2015 LZ_{22}

2021	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
2 5	11 33.57	+ 8 5.4	1.610	2.483	13.1	22.1	145 W	53	56
2 15	11 27.23	+ 9 7.7	1.518	2.457	9.1	21.8	157 W	54	55
2 25	11 18.40	+10 21.3	1.451	2.429	4.6	21.4	169 W	55	54
3 7	11 7.92	+11 38.2	1.412	2.401	2.6	21.2	174 E	57	52
3 17	10 56.99	+12 48.9	1.401	2.371	6.9	21.4	163 E	58	51
3 27	10 47.01	+13 44.9	1.417	2.341	11.8	21.6	151 E	59	50

461852 2006 GY_{2}

2021	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
2 5	11 35.42	+61 49.5	1.350	2.104	21.7	22.1	128 W	73	2
2 10	11 27.54	+63 18.8	1.325	2.077	22.2	22.1	127 W	72	1
2 15	11 17.28	+64 37.3	1.305	2.050	22.9	22.0	126 W	70	—
2 20	11 4.76	+65 41.6	1.289	2.022	23.7	22.0	125 W	69	—
2 25	10 50.37	+66 28.4	1.277	1.993	24.7	22.0	123 W	69	—
3 2	10 34.76	+66 55.7	1.268	1.964	25.8	22.0	120 E	68	—
3 7	10 18.82	+67 1.9	1.262	1.934	27.0	22.0	118 E	68	—
3 12	10 3.49	+66 47.2	1.258	1.904	28.2	21.9	115 E	68	—
3 17	9 49.66	+66 12.7	1.257	1.873	29.5	21.9	112 E	69	—
3 22	9 37.96	+65 20.5	1.258	1.842	30.8	21.9	109 E	70	—
3 27	9 28.71	+64 13.1	1.260	1.810	32.0	21.9	106 E	71	—

184341 2005 GX_{176}

2021	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
2 5	11 38.05	+ 9 0.2	1.660	2.527	13.2	21.4	144 W	54	55
2 15	11 31.11	+ 9 38.4	1.571	2.506	9.2	21.1	156 W	55	54
2 25	11 21.66	+10 24.2	1.507	2.483	4.8	20.8	168 W	55	54
3 7	11 10.59	+11 10.7	1.471	2.460	2.3	20.6	174 W	56	53
3 17	10 59.10	+11 50.4	1.464	2.437	6.3	20.7	164 E	57	52
3 27	10 48.58	+12 16.9	1.484	2.412	11.1	21.0	152 E	57	52
4 6	10 40.16	+12 26.3	1.527	2.387	15.4	21.2	141 E	57	52
4 16	10 34.58	+12 17.7	1.590	2.361	19.1	21.3	130 E	57	52

178293 1990 SN

2021	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
2 5	11 39.17	+ 5 40.7	1.851	2.705	12.7	21.3	143 W	51	58
2 15	11 31.32	+ 6 20.0	1.796	2.724	8.8	21.1	155 W	51	58
2 25	11 21.55	+ 7 7.5	1.768	2.743	4.4	20.9	168 W	52	57
3 7	11 10.81	+ 7 56.9	1.768	2.760	0.9	20.7	177 W	53	56
3 17	11 0.19	+ 8 42.1	1.799	2.776	4.8	21.0	166 E	54	55
3 27	10 50.77	+ 9 17.6	1.859	2.791	9.0	21.3	154 E	54	55
4 6	10 43.35	+ 9 40.2	1.944	2.805	12.5	21.5	143 E	55	54

189080 2001 MO_{6}

2021	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
2 5	11 42.09	− 6 18.8	2.162	2.961	13.1	21.4	137 W	39	70
2 15	11 35.86	− 5 56.8	2.085	2.972	10.0	21.2	149 W	39	70
2 25	11 27.86	− 5 17.7	2.032	2.982	6.5	21.0	160 W	40	69
3 7	11 18.79	− 4 24.4	2.008	2.990	3.3	20.8	170 W	41	68
3 17	11 9.53	− 3 21.7	2.014	2.998	3.4	20.8	170 E	42	67
3 27	11 0.99	− 2 16.0	2.050	3.005	6.7	21.1	160 E	43	66
4 6	10 53.95	− 1 13.6	2.113	3.010	10.1	21.3	148 E	44	65
4 16	10 48.92	− 0 19.4	2.200	3.015	13.0	21.5	137 E	45	64

504012 2005 JC_{46}

2021	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
	h m	° ′			°	m	°	°	°
2 5	11 44.60	+58 10.6	2.708	3.421	12.9	22.1	129 W	77	6
2 10	11 40.24	+59 6.3	2.683	3.399	12.9	22.1	130 W	76	5
2 15	11 34.93	+59 56.7	2.663	3.376	13.1	22.0	129 W	75	4
2 20	11 28.74	+60 40.5	2.649	3.354	13.4	22.0	128 W	74	3
2 25	11 21.82	+61 16.6	2.639	3.331	13.7	22.0	127 W	74	3
3 2	11 14.33	+61 44.1	2.634	3.308	14.1	22.0	125 W	73	2
3 7	11 6.50	+62 2.4	2.633	3.285	14.6	22.0	123 E	73	2
3 12	10 58.58	+62 11.0	2.637	3.262	15.1	22.0	121 E	73	2
3 17	10 50.83	+62 9.9	2.644	3.238	15.7	22.0	118 E	73	2
3 22	10 43.51	+61 59.3	2.655	3.214	16.2	22.0	116 E	73	2
3 27	10 36.84	+61 39.7	2.670	3.190	16.8	22.0	113 E	73	2
4 1	10 30.97	+61 11.9	2.686	3.166	17.3	22.1	110 E	74	3

470068 2006 SQ_{273}

2021	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
2 5	11 59.29	+ 8 22.4	1.553	2.386	15.7	21.4	139 W	53	56
2 15	11 52.65	+ 9 12.1	1.505	2.415	11.6	21.2	151 W	54	55
2 25	11 43.51	+10 8.9	1.480	2.442	7.0	21.0	162 W	55	54
3 7	11 32.84	+11 4.9	1.482	2.469	3.2	20.8	172 W	56	53
3 17	11 21.90	+11 52.1	1.513	2.495	4.8	21.0	168 E	57	52
3 27	11 11.99	+12 24.1	1.572	2.520	8.9	21.3	157 E	57	52
4 6	11 4.10	+12 38.2	1.655	2.545	12.8	21.6	146 E	58	51

159467 2000 QK_{25}

2021	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
2 5	12 0.62	+ 3 59.1	1.303	2.136	18.2	21.4	137 W	49	60
2 15	11 54.04	+ 5 25.8	1.249	2.159	13.4	21.1	149 W	50	59
2 25	11 44.43	+ 7 9.1	1.217	2.181	8.0	20.9	162 W	52	57
3 7	11 32.86	+ 8 57.7	1.212	2.200	3.0	20.6	173 W	54	55
3 17	11 20.80	+10 39.0	1.234	2.219	5.0	20.8	169 E	56	53
3 27	11 9.87	+12 1.4	1.284	2.236	10.1	21.1	157 E	57	52
4 6	11 1.32	+12 58.8	1.358	2.251	14.8	21.5	145 E	58	51

319421 2006 HR_{77}

2021	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
2 5	12 1.86	− 0 17.1	1.542	2.350	17.1	21.4	136 W	45	64
2 15	11 57.85	+ 0 13.0	1.438	2.328	13.4	21.1	147 W	45	64
2 25	11 50.92	+ 1 2.6	1.355	2.306	8.9	20.8	159 W	46	63
3 7	11 41.61	+ 2 8.1	1.296	2.282	3.7	20.4	171 W	47	62
3 12	11 36.35	+ 2 44.7	1.277	2.270	0.9	20.2	178 W	48	61
3 17	11 30.91	+ 3 22.3	1.265	2.258	1.9	20.2	176 E	48	61
3 22	11 25.47	+ 3 59.7	1.259	2.246	4.8	20.4	169 E	49	60
3 27	11 20.22	+ 4 35.7	1.261	2.233	7.6	20.5	163 E	50	59
4 1	11 15.34	+ 5 9.0	1.268	2.221	10.3	20.6	157 E	50	59
4 6	11 10.96	+ 5 38.8	1.282	2.208	12.9	20.7	150 E	51	58
4 11	11 7.22	+ 6 4.3	1.301	2.195	15.4	20.8	144 E	51	58
4 16	11 4.21	+ 6 24.9	1.325	2.182	17.7	20.9	139 E	51	58
4 21	11 2.01	+ 6 40.3	1.353	2.169	19.7	21.0	133 E	52	57
4 26	11 0.64	+ 6 50.3	1.385	2.155	21.6	21.1	128 E	52	57
5 1	11 0.11	+ 6 54.9	1.419	2.142	23.2	21.2	123 E	52	57
5 6	11 0.39	+ 6 54.3	1.457	2.128	24.7	21.3	118 E	52	57
5 11	11 1.48	+ 6 48.7	1.496	2.114	25.9	21.4	114 E	52*	57
5 16	11 3.32	+ 6 38.1	1.537	2.100	27.0	21.5	109 E	51*	57

346931 2010 AR_{35}

2021	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
2 5	12 2.90	+ 3 23.2	2.156	2.951	13.2	21.5	137 W	48	61
2 15	11 58.11	+ 4 21.7	2.067	2.952	10.2	21.3	148 W	49	60
2 25	11 51.24	+ 5 32.4	2.002	2.952	6.6	21.1	160 W	51	58
3 7	11 42.86	+ 6 49.7	1.966	2.951	2.8	20.8	172 W	52	57
3 17	11 33.76	+ 8 7.1	1.960	2.949	2.5	20.8	173 E	53	56
3 27	11 24.87	+ 9 17.2	1.983	2.946	6.2	21.0	161 E	54	55
4 6	11 17.08	+10 14.4	2.035	2.942	9.9	21.2	150 E	55	54
4 16	11 11.06	+10 55.4	2.111	2.937	13.1	21.4	138 E	56	53

217686 1999 RY_{90}

2021	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
2 5	12 4.59	+ 3 50.9	1.989	2.788	14.1	21.3	136 W	49	60
2 15	11 58.68	+ 4 23.2	1.911	2.798	10.8	21.1	148 W	49	60
2 25	11 50.52	+ 5 5.9	1.856	2.807	6.9	20.9	160 W	50	59
3 7	11 40.79	+ 5 54.2	1.829	2.815	2.7	20.6	172 W	51	58
3 17	11 30.39	+ 6 42.1	1.832	2.822	2.3	20.6	173 E	52	57
3 27	11 20.42	+ 7 23.4	1.864	2.828	6.4	20.9	162 E	52	57
4 6	11 11.83	+ 7 53.6	1.925	2.834	10.3	21.1	150 E	53	56
4 16	11 5.29	+ 8 10.0	2.009	2.838	13.6	21.4	138 E	53	56

459899 2014 MP_{2}

2021	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
2 5	12 5.37	+ 9 50.1	2.612	3.408	11.2	21.4	138 W	55	54
2 15	12 0.14	+10 41.0	2.532	3.417	8.5	21.3	149 W	56	53
2 25	11 53.17	+11 36.6	2.479	3.426	5.7	21.1	160 W	57	52
3 7	11 44.98	+12 32.0	2.454	3.433	3.2	20.9	169 W	58	51
3 17	11 36.24	+13 22.0	2.460	3.439	3.5	21.0	168 E	58	51
3 27	11 27.72	+14 1.7	2.497	3.445	6.1	21.1	159 E	59	50
4 6	11 20.13	+14 28.0	2.562	3.450	8.9	21.3	148 E	59	50

96631 1999 FP_{59}

2021	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
	h m	° ′			°	m	°	°	°
2 5	12 7.33	+ 1 8.6	1.287	2.102	19.4	21.2	135 W	46	63
2 15	12 2.01	+ 1 43.4	1.195	2.090	15.2	20.9	146 W	47	62
2 25	11 53.04	+ 2 39.5	1.123	2.077	9.9	20.6	159 W	48	61
3 7	11 41.10	+ 3 51.5	1.074	2.062	3.8	20.2	172 W	49	60
3 12	11 34.40	+ 4 30.6	1.060	2.053	0.9	19.9	178 W	50	59
3 17	11 27.51	+ 5 10.0	1.053	2.045	2.9	20.1	174 E	50	59
3 22	11 20.68	+ 5 48.0	1.052	2.036	6.2	20.2	167 E	51	58
3 27	11 14.14	+ 6 23.1	1.058	2.026	9.4	20.4	161 E	51	58
4 1	11 8.12	+ 6 54.3	1.070	2.016	12.5	20.5	154 E	52	57
4 6	11 2.79	+ 7 20.5	1.087	2.006	15.4	20.6	148 E	52	57
4 11	10 58.29	+ 7 41.2	1.110	1.996	18.1	20.8	142 E	53	56
4 16	10 54.72	+ 7 56.0	1.137	1.985	20.6	20.9	136 E	53	56
4 21	10 52.14	+ 8 4.8	1.167	1.973	22.8	21.0	130 E	53	56
4 26	10 50.55	+ 8 7.6	1.201	1.962	24.8	21.1	125 E	53	56
5 1	10 49.95	+ 8 4.7	1.237	1.950	26.5	21.2	120 E	53	56
5 6	10 50.28	+ 7 56.4	1.275	1.937	28.0	21.3	115 E	53	56
5 11	10 51.50	+ 7 42.9	1.315	1.924	29.3	21.4	111 E	53*	56
5 16	10 53.57	+ 7 24.5	1.356	1.911	30.4	21.5	107 E	52*	57

264431 2000 SP_{74}

2021	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
2 5	12 10.78	+ 3 16.8	1.627	2.424	16.8	21.4	135 W	48	61
2 15	12 5.69	+ 4 5.0	1.562	2.446	12.9	21.2	146 W	49	60
2 25	11 57.96	+ 5 6.8	1.520	2.467	8.5	21.0	158 W	50	59
3 7	11 48.35	+ 6 15.4	1.503	2.487	3.8	20.7	170 W	51	58
3 17	11 37.93	+ 7 22.8	1.514	2.506	2.5	20.7	174 E	52	57
3 27	11 27.97	+ 8 20.7	1.554	2.524	6.8	21.0	163 E	53	56
4 6	11 19.58	+ 9 3.2	1.621	2.541	11.1	21.3	151 E	54	55

495323 2014 JG_{78}

2021	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
2 5	12 12.03	−14 34.9	0.821	1.615	29.4	21.5	126 W	30	79
2 15	11 57.33	−11 39.7	0.790	1.676	21.9	21.3	141 W	33	76
2 25	11 38.65	− 7 50.5	0.780	1.733	13.3	21.0	156 W	37	72
3 7	11 18.50	− 3 29.8	0.797	1.784	5.1	20.8	171 W	42	67
3 17	10 59.81	+ 0 47.9	0.845	1.831	6.3	21.0	168 E	46	63
3 27	10 44.92	+ 4 31.4	0.923	1.873	13.2	21.6	155 E	50	59
4 6	10 34.88	+ 7 25.3	1.024	1.911	19.1	22.0	141 E	52	57

524196 2001 QP_{181}

2021	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
2 5	12 13.08	+ 5 58.0	1.181	2.004	20.3	21.5	135 W	51	58
2 15	12 12.33	+ 6 30.4	1.041	1.936	16.9	21.0	145 W	52	57
2 25	12 7.70	+ 7 24.7	0.918	1.867	12.3	20.5	156 W	52	57
3 7	11 58.88	+ 8 37.9	0.816	1.798	6.9	19.9	167 W	54	55
3 12	11 52.93	+ 9 19.4	0.773	1.762	4.8	19.7	171 W	54	55
3 17	11 46.09	+10 2.0	0.736	1.727	4.9	19.5	171 E	55	54
3 22	11 38.57	+10 43.7	0.705	1.691	7.6	19.5	167 E	56	53
3 27	11 30.63	+11 22.3	0.679	1.655	11.3	19.6	161 E	56	53
4 1	11 22.56	+11 55.6	0.659	1.619	15.4	19.6	155 E	57	52
4 6	11 14.69	+12 21.9	0.643	1.583	19.6	19.6	148 E	57	52
4 11	11 7.35	+12 39.6	0.632	1.547	23.8	19.7	141 E	58	51
4 16	11 0.84	+12 47.6	0.624	1.511	27.9	19.7	135 E	58	51
4 21	10 55.43	+12 45.4	0.619	1.476	31.8	19.8	129 E	58	51
4 26	10 51.27	+12 33.0	0.615	1.441	35.6	19.8	124 E	58	51
5 6	10 47.03	+11 38.6	0.612	1.371	42.5	19.9	113 E	57	52
5 16	10 48.38	+10 7.2	0.609	1.305	48.6	19.9	105 E	54*	54
5 26	10 55.03	+ 8 0.9	0.603	1.243	54.0	19.9	97 E	48*	56
6 5	11 6.45	+ 5 21.2	0.591	1.186	58.8	19.9	91 E	42*	59
6 15	11 22.33	+ 2 7.0	0.573	1.137	63.1	19.9	87 E	35*	62
6 25	11 42.55	− 1 43.4	0.549	1.097	66.9	19.9	83 E	29*	66*
7 5	12 7.33	− 6 12.0	0.519	1.069	70.0	19.8	81 E	23*	69*
7 15	12 37.52	−11 19.9	0.488	1.054	72.1	19.7	81 E	19*	72*
7 20	12 55.08	−14 7.9	0.473	1.052	72.6	19.6	81 E	17*	74*
7 25	13 14.58	−17 3.4	0.458	1.053	72.7	19.6	82 E	15*	75*
7 30	13 36.30	−20 3.7	0.446	1.058	72.3	19.5	83 E	13*	77*
8 4	14 0.52	−23 4.6	0.435	1.066	71.4	19.4	85 E	12*	79*
8 9	14 27.46	−26 0.4	0.428	1.077	70.0	19.4	87 E	11*	80*
8 14	14 57.19	−28 43.2	0.424	1.092	68.1	19.3	89 E	10*	82*
8 19	15 29.51	−31 4.1	0.425	1.109	65.8	19.3	92 E	10*	83*
8 24	16 3.85	−32 54.3	0.430	1.130	63.2	19.3	95 E	10*	83*
8 26	16 17.96	−33 28.3	0.434	1.138	62.1	19.3	96 E	9*	82*
8 28	16 32.18	−33 56.0	0.439	1.148	60.9	19.3	97 E	10*	82*
8 30	16 46.43	−34 17.4	0.444	1.157	59.8	19.3	98 E	10*	82
9 1	17 0.64	−34 32.4	0.451	1.167	58.7	19.3	99 E	10*	81
9 3	17 14.74	−34 41.1	0.458	1.177	57.6	19.3	100 E	10*	81
9 5	17 28.66	−34 43.8	0.466	1.188	56.5	19.4	101 E	10*	81
9 7	17 42.33	−34 40.7	0.475	1.199	55.4	19.4	102 E	10*	81
9 9	17 55.71	−34 32.2	0.485	1.210	54.3	19.4	103 E	10*	81
9 11	18 8.73	−34 18.7	0.496	1.221	53.3	19.5	103 E	11*	82
9 13	18 21.37	−34 0.7	0.508	1.233	52.3	19.5	104 E	11	82

524196 2001 QP_{181} *(continuation)*

2021	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
	h m	° ′			°	m	°	°	°
9 15	18 33.60	−33 38.7	0.521	1.245	51.4	19.6	105 E	11	82
9 17	18 45.40	−33 13.2	0.534	1.257	50.5	19.6	105 E	12	83
9 19	18 56.76	−32 44.6	0.548	1.269	49.6	19.7	106 E	12	83
9 21	19 7.68	−32 13.4	0.563	1.282	48.8	19.7	106 E	13	84
9 23	19 18.16	−31 39.9	0.579	1.294	48.0	19.8	107 E	13	84
9 28	19 42.50	−30 9.2	0.622	1.327	46.2	19.9	107 E	15	86
10 3	20 4.43	−28 32.1	0.669	1.360	44.6	20.1	107 E	16	87
10 8	20 24.22	−26 52.1	0.721	1.394	43.2	20.3	107 E	18	89
10 13	20 42.21	−25 11.8	0.776	1.429	42.0	20.5	107 E	20	89
10 18	20 58.65	−23 32.6	0.835	1.464	40.9	20.6	106 E	21	88
10 23	21 13.80	−21 55.5	0.898	1.499	39.9	20.8	105 E	23	86
10 28	21 27.85	−20 20.9	0.964	1.535	39.0	21.0	103 E	25	84
11 2	21 41.01	−18 49.1	1.032	1.571	38.2	21.2	102 E	26	83
11 7	21 53.41	−17 19.9	1.104	1.607	37.4	21.4	100 E	28	81

159111 2004 VG_{15}

2021	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
2 5	12 23.52	− 0 19.8	2.279	3.015	14.4	21.5	131 W	45	64
2 15	12 20.42	+ 0 33.8	2.164	3.002	11.8	21.3	142 W	46	63
2 25	12 15.12	+ 1 43.2	2.071	2.989	8.5	21.0	153 W	47	62
3 7	12 7.98	+ 3 4.6	2.005	2.975	4.9	20.8	165 W	48	61
3 17	11 59.58	+ 4 32.2	1.967	2.960	1.5	20.5	176 W	50	59
3 27	11 50.77	+ 5 58.8	1.960	2.944	3.9	20.7	168 E	51	58
4 6	11 42.45	+ 7 16.9	1.983	2.928	7.8	20.9	156 E	52	57
4 16	11 35.43	+ 8 20.9	2.032	2.910	11.5	21.1	145 E	53	56
4 26	11 30.33	+ 9 7.3	2.104	2.891	14.6	21.2	134 E	54	55
5 6	11 27.46	+ 9 35.0	2.193	2.872	17.1	21.4	123 E	55	54

181698 5684 *T–3*

2021	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
2 5	12 26.51	+ 4 7.0	1.874	2.632	16.3	21.4	131 W	49	60
2 15	12 23.46	+ 4 58.7	1.769	2.621	13.3	21.2	142 W	50	59
2 25	12 17.74	+ 6 5.0	1.684	2.608	9.7	20.9	154 W	51	58
3 7	12 9.70	+ 7 20.8	1.624	2.595	5.7	20.7	165 W	52	57
3 17	12 0.09	+ 8 38.6	1.592	2.581	3.1	20.5	172 W	54	55
3 22	11 55.01	+ 9 15.4	1.587	2.574	3.9	20.5	170 E	54	55
3 27	11 49.95	+ 9 49.4	1.589	2.567	5.7	20.6	165 E	55	54
4 1	11 45.06	+10 19.8	1.598	2.559	7.8	20.7	160 E	55	54
4 6	11 40.47	+10 45.7	1.614	2.551	9.9	20.8	154 E	56	53
4 11	11 36.30	+11 6.7	1.635	2.543	12.0	20.9	148 E	56	53
4 16	11 32.66	+11 22.5	1.663	2.534	13.9	21.0	143 E	56	53
4 21	11 29.63	+11 32.8	1.695	2.526	15.7	21.1	137 E	57	52
4 26	11 27.25	+11 37.7	1.732	2.517	17.4	21.2	132 E	57	52
5 1	11 25.56	+11 37.5	1.773	2.508	18.8	21.3	127 E	57	52
5 6	11 24.56	+11 32.2	1.817	2.498	20.1	21.4	122 E	57	52
5 11	11 24.25	+11 22.3	1.864	2.489	21.2	21.5	117 E	56	53

486813 2014 JL_{15}

2021	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
2 5	12 27.59	+ 6 44.2	1.724	2.493	17.1	21.5	132 W	52	57
2 15	12 26.24	+ 7 51.3	1.605	2.461	14.2	21.2	142 W	53	56
2 25	12 22.05	+ 9 15.4	1.505	2.429	10.7	20.9	153 W	54	55
3 7	12 15.23	+10 50.6	1.430	2.396	7.0	20.6	163 W	56	53
3 17	12 6.37	+12 27.6	1.381	2.363	5.0	20.4	168 W	57	52
3 22	12 1.49	+13 13.3	1.366	2.346	5.8	20.4	166 E	58	51
3 27	11 56.53	+13 55.1	1.359	2.329	7.5	20.4	162 E	59	50
4 1	11 51.64	+14 32.1	1.358	2.312	9.6	20.5	157 E	60	49
4 6	11 46.99	+15 3.1	1.362	2.295	11.8	20.6	152 E	60	49
4 11	11 42.73	+15 27.5	1.373	2.278	14.0	20.7	147 E	60	49
4 16	11 39.00	+15 44.8	1.389	2.260	16.2	20.8	141 E	61	48
4 21	11 35.91	+15 54.9	1.410	2.243	18.2	20.8	136 E	61	48
4 26	11 33.53	+15 57.9	1.434	2.225	20.0	20.9	131 E	61	48
5 1	11 31.92	+15 54.0	1.462	2.208	21.7	21.0	126 E	61	48
5 6	11 31.08	+15 43.8	1.493	2.190	23.3	21.1	121 E	61	48
5 11	11 31.03	+15 27.4	1.527	2.173	24.6	21.1	116 E	60	49
5 16	11 31.76	+15 5.4	1.562	2.155	25.8	21.2	112 E	60	49
5 21	11 33.24	+14 38.3	1.598	2.137	26.8	21.3	108 E	59*	49
5 26	11 35.44	+14 6.4	1.636	2.120	27.7	21.3	104 E	58*	50
5 31	11 38.31	+13 30.2	1.674	2.102	28.4	21.4	100 E	55*	50
6 5	11 41.82	+12 50.1	1.712	2.084	28.9	21.4	96 E	53*	51
6 10	11 45.92	+12 6.3	1.751	2.067	29.4	21.5	93 E	50*	52

124146 2001 MQ_{12}

2021	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
2 5	12 39.45	− 4 42.8	2.027	2.717	17.2	21.3	125 W	40	69
2 15	12 37.52	− 4 31.1	1.900	2.698	14.8	21.1	136 W	40	69
2 25	12 32.99	− 4 2.5	1.792	2.678	11.6	20.8	147 W	41	68
3 7	12 26.06	− 3 18.0	1.706	2.657	7.7	20.5	159 W	42	67
3 17	12 17.22	− 2 20.4	1.647	2.635	3.2	20.2	171 W	43	66
3 22	12 12.36	− 1 48.3	1.628	2.624	0.9	20.0	178 W	43	66
3 27	12 7.37	− 1 15.4	1.616	2.612	1.6	20.0	176 E	44	65
4 1	12 2.41	− 0 42.4	1.612	2.601	4.0	20.2	170 E	44	65

124146 2001 MQ_{12} *(continuation)*

2021	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
4 6	11 57.61	− 0 10.2	1.614	2.589	6.3	20.3	163 E	45	64
4 11	11 53.09	+ 0 20.1	1.623	2.577	8.7	20.4	157 E	45	64
4 16	11 49.00	+ 0 47.8	1.639	2.565	10.9	20.5	151 E	46	63
4 26	11 42.43	+ 1 32.8	1.688	2.540	14.9	20.7	140 E	47	62
5 6	11 38.42	+ 2 1.2	1.755	2.514	18.2	20.9	129 E	47	62
5 16	11 37.16	+ 2 11.9	1.837	2.487	20.9	21.0	119 E	47	62
5 26	11 38.60	+ 2 4.9	1.928	2.460	22.8	21.2	110 E	46*	62
6 5	11 42.52	+ 1 41.8	2.024	2.432	24.2	21.3	101 E	42*	62
6 15	11 48.67	+ 1 3.9	2.123	2.403	25.0	21.4	93 E	38*	63
6 25	11 56.78	+ 0 13.1	2.221	2.374	25.3	21.5	86 E	32*	64

238851 2005 VS_3

2021	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
2 5	12 39.89	−12 5.4	2.181	2.829	17.2	21.5	122 W	33	76
2 15	12 37.69	−12 13.0	2.055	2.816	15.0	21.2	132 W	33	76
2 25	12 33.01	−12 2.3	1.946	2.803	12.2	21.0	143 W	33	76
3 7	12 26.05	−11 32.2	1.859	2.788	8.8	20.8	155 W	33	76
3 17	12 17.33	−10 43.5	1.797	2.772	5.1	20.5	166 W	34	75
3 27	12 7.70	− 9 39.5	1.764	2.756	2.9	20.3	172 E	35	74
4 1	12 2.86	− 9 3.6	1.759	2.747	3.8	20.4	169 E	36	73
4 6	11 58.18	− 8 26.3	1.760	2.738	5.5	20.5	165 E	37	72
4 11	11 53.78	− 7 48.6	1.769	2.729	7.5	20.6	159 E	37	72
4 16	11 49.77	− 7 11.4	1.784	2.720	9.5	20.7	154 E	38	71
4 21	11 46.25	− 6 35.7	1.806	2.710	11.4	20.7	148 E	38	71
4 26	11 43.29	− 6 2.3	1.833	2.701	13.2	20.8	142 E	39	70
5 1	11 40.94	− 5 31.9	1.866	2.691	14.8	20.9	137 E	39	70
5 6	11 39.22	− 5 4.9	1.903	2.680	16.4	21.0	132 E	40	69
5 11	11 38.15	− 4 41.7	1.944	2.670	17.7	21.1	126 E	40	69
5 16	11 37.74	− 4 22.5	1.989	2.659	18.9	21.2	121 E	41	68
5 21	11 37.97	− 4 7.5	2.036	2.648	20.0	21.3	117 E	41*	68
5 26	11 38.82	− 3 56.8	2.086	2.637	20.9	21.3	112 E	40*	68
5 31	11 40.25	− 3 50.2	2.137	2.626	21.6	21.4	107 E	39*	68
6 5	11 42.25	− 3 47.7	2.190	2.614	22.2	21.5	103 E	37*	68

256155 2006 VO_{44}

2021	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
2 5	12 40.93	+18 49.0	2.820	3.543	12.2	21.4	131 W	64	45
2 15	12 37.19	+19 54.9	2.719	3.536	10.3	21.3	140 W	65	44
2 25	12 31.38	+21 3.0	2.642	3.528	8.3	21.1	149 W	66	43
3 7	12 23.82	+22 7.3	2.592	3.519	6.7	21.0	155 W	67	42
3 17	12 15.03	+23 1.4	2.570	3.509	6.3	21.0	157 W	68	41
3 27	12 5.74	+23 39.6	2.577	3.498	7.3	21.0	154 E	69	40
4 6	11 56.74	+23 58.5	2.611	3.486	9.2	21.1	146 E	69	40
4 16	11 48.75	+23 56.9	2.671	3.474	11.3	21.2	137 E	69	40
4 26	11 42.37	+23 35.7	2.752	3.460	13.3	21.4	128 E	69	40
5 6	11 37.91	+22 57.3	2.850	3.446	14.9	21.5	118 E	68	41

179586 2002 KD_{15}

2021	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
2 5	12 44.26	− 7 26.3	1.721	2.405	20.1	21.3	123 W	38	71
2 15	12 43.32	− 7 54.3	1.594	2.381	17.6	21.0	133 W	37	72
2 25	12 39.33	− 8 6.1	1.482	2.356	14.3	20.7	144 W	37	72
3 7	12 32.36	− 8 0.3	1.391	2.330	10.2	20.4	155 W	37	72
3 17	12 22.85	− 7 37.0	1.323	2.304	5.5	20.1	167 W	37	72
3 27	12 11.77	− 6 59.3	1.281	2.277	2.3	19.8	175 E	38	71
4 1	12 6.06	− 6 36.8	1.271	2.263	4.0	19.9	171 E	38	71
4 6	12 0.48	− 6 13.2	1.267	2.249	6.5	20.0	165 E	39	70
4 11	11 55.20	− 5 49.4	1.269	2.235	9.1	20.1	159 E	39	70
4 16	11 50.40	− 5 26.4	1.278	2.221	11.7	20.2	153 E	40	69
4 21	11 46.22	− 5 5.4	1.292	2.207	14.1	20.3	148 E	40	69
4 26	11 42.76	− 4 47.2	1.312	2.193	16.5	20.4	142 E	40	69
5 6	11 38.23	− 4 21.2	1.363	2.164	20.6	20.6	131 E	41	68
5 16	11 37.09	− 4 11.9	1.429	2.135	23.9	20.7	121 E	41	68
5 26	11 39.24	− 4 20.6	1.503	2.105	26.5	20.9	112 E	40*	68
6 5	11 44.38	− 4 46.8	1.583	2.076	28.3	21.0	104 E	37*	69
6 15	11 52.19	− 5 29.2	1.665	2.046	29.5	21.1	97 E	32*	69
6 25	12 2.32	− 6 26.3	1.747	2.017	30.3	21.2	90 E	28*	70
7 5	12 14.47	− 7 36.1	1.828	1.988	30.5	21.3	83 E	23*	71*
7 15	12 28.42	− 8 56.8	1.905	1.958	30.5	21.4	78 E	19*	69*
7 25	12 43.98	−10 26.6	1.979	1.930	30.1	21.4	72 E	16*	65*
8 4	13 1.01	−12 3.5	2.048	1.902	29.5	21.4	67 E	13*	61*
8 14	13 19.45	−13 45.4	2.113	1.874	28.6	21.4	62 E	11*	56*
8 24	13 39.24	−15 30.4	2.172	1.847	27.7	21.4	58 E	10*	52*
9 3	14 0.33	−17 16.0	2.227	1.822	26.5	21.4	54 E	8*	48*
9 13	14 22.76	−19 0.0	2.277	1.797	25.3	21.4	50 E	7*	44*
9 23	14 46.48	−20 39.7	2.322	1.774	23.9	21.4	46 E	6*	40*
10 3	15 11.50	−22 12.4	2.364	1.752	22.4	21.4	42 E	6*	36*
10 13	15 37.79	−23 35.1	2.401	1.732	20.9	21.3	38 E	5*	32*
10 23	16 5.28	−24 45.0	2.434	1.714	19.3	21.3	35 E	5*	29*
11 2	16 33.85	−25 39.2	2.465	1.698	17.7	21.2	31 E	5*	25*
11 12	17 3.37	−26 15.2	2.493	1.684	16.0	21.2	28 E	5*	22*
11 22	17 33.59	−26 30.7	2.518	1.672	14.3	21.1	25 E	4*	18*

179586 2002 KD_{15} *(continuation)*

21/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
	h m	° ′			°	m	°	°	°
12 2	18 4.28	−26 24.1	2.541	1.663	12.5	21.1	21 E	4*	15*
12 12	18 35.15	−25 54.6	2.562	1.656	10.7	21.0	18 E	3*	11*
12 22	19 5.91	−25 2.2	2.582	1.652	8.9	21.0	15 E	2*	8*
1 1	19 36.32	−23 47.6	2.600	1.651	7.1	20.9	12 E	1*	5*
1 11	20 6.15	−22 12.4	2.617	1.652	5.2	20.8	9 E	—	2*
1 21	20 35.23	−20 18.6	2.632	1.656	3.3	20.7	6 E	—	—

112495 2002 PQ_{10}

21/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
2 5	12 52.48	− 6 41.4	2.150	2.794	17.5	21.4	121 W	38	71
2 15	12 50.99	− 6 27.0	2.027	2.786	15.3	21.2	132 W	39	70
2 25	12 46.95	− 5 55.4	1.921	2.777	12.3	21.0	143 W	39	70
3 7	12 40.55	− 5 7.3	1.836	2.768	8.7	20.7	155 W	40	69
3 17	12 32.22	− 4 5.2	1.778	2.757	4.5	20.4	167 W	41	68
3 22	12 27.57	− 3 30.5	1.759	2.751	2.3	20.3	174 W	41	68
3 27	12 22.75	− 2 54.3	1.748	2.745	0.2	20.1	180 E	42	67
4 1	12 17.90	− 2 17.7	1.744	2.739	2.3	20.3	174 E	43	66
4 6	12 13.15	− 1 41.5	1.747	2.733	4.5	20.4	168 E	43	66
4 11	12 8.61	− 1 6.6	1.758	2.726	6.7	20.5	161 E	44	65
4 16	12 4.41	− 0 33.9	1.775	2.719	8.9	20.6	155 E	44	65
4 21	12 0.65	− 0 4.2	1.799	2.712	10.9	20.7	149 E	45	64
4 26	11 57.42	+ 0 21.9	1.828	2.705	12.8	20.8	144 E	45	64
5 1	11 54.75	+ 0 44.2	1.863	2.697	14.5	20.9	138 E	46	63
5 6	11 52.70	+ 1 2.2	1.903	2.689	16.1	21.0	133 E	46	63
5 11	11 51.28	+ 1 15.9	1.946	2.681	17.4	21.1	127 E	46	63
5 16	11 50.51	+ 1 25.2	1.993	2.673	18.7	21.2	122 E	46	63
5 21	11 50.36	+ 1 30.1	2.043	2.664	19.7	21.3	117 E	46*	62
5 26	11 50.84	+ 1 30.8	2.096	2.655	20.6	21.3	113 E	46*	62
5 31	11 51.90	+ 1 27.4	2.150	2.646	21.4	21.4	108 E	45*	63
6 5	11 53.52	+ 1 20.2	2.205	2.637	22.0	21.5	104 E	43*	63

306795 2001 OQ_{50}

21/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
2 5	12 55.01	−22 12.2	3.204	3.714	14.1	21.5	114 W	23	86
2 15	12 52.04	−22 51.7	3.079	3.719	12.8	21.3	124 W	22	87
2 25	12 47.11	−23 17.6	2.970	3.723	11.1	21.2	134 W	22	87
3 7	12 40.41	−23 27.9	2.881	3.727	9.1	21.1	144 W	22	87
3 17	12 32.34	−23 21.1	2.816	3.729	7.0	20.9	153 W	22	87
3 27	12 23.48	−22 57.5	2.780	3.731	5.4	20.8	160 W	22	87
4 6	12 14.56	−22 19.0	2.773	3.732	5.1	20.8	161 E	23	86
4 16	12 6.25	−21 29.4	2.795	3.732	6.4	20.9	156 E	24	85
4 26	11 59.20	−20 33.9	2.846	3.731	8.4	21.0	147 E	24	85
5 6	11 53.81	−19 37.7	2.921	3.729	10.5	21.2	138 E	25	84
5 16	11 50.32	−18 45.4	3.018	3.727	12.3	21.3	128 E	26	83
5 26	11 48.78	−18 0.7	3.131	3.723	13.8	21.4	119 E	27*	82

351237 2004 QL_{12}

21/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
2 5	13 6.10	− 2 14.8	2.070	2.700	18.4	21.5	120 W	43	66
2 15	13 5.05	− 2 29.1	1.931	2.677	16.4	21.2	130 W	43	66
2 25	13 1.22	− 2 31.7	1.808	2.652	13.6	21.0	141 W	42	67
3 7	12 54.60	− 2 23.6	1.705	2.626	10.0	20.7	153 W	43	66
3 17	12 45.46	− 2 6.4	1.626	2.600	5.7	20.4	165 W	43	66
3 27	12 34.54	− 1 43.8	1.575	2.572	1.2	20.0	177 W	43	66
4 1	12 28.74	− 1 32.0	1.561	2.558	1.7	20.0	176 E	43	66
4 6	12 22.91	− 1 20.7	1.554	2.544	4.1	20.2	170 E	44	65
4 11	12 17.21	− 1 10.7	1.554	2.530	6.5	20.3	163 E	44	65
4 16	12 11.80	− 1 2.5	1.560	2.516	8.9	20.4	157 E	44	65
4 26	12 2.38	− 0 53.9	1.593	2.486	13.4	20.6	145 E	44	65
5 6	11 55.44	− 0 58.2	1.646	2.456	17.2	20.7	134 E	44	65
5 16	11 51.39	− 1 16.8	1.716	2.425	20.4	20.9	123 E	44	65
5 26	11 50.35	− 1 49.9	1.798	2.393	22.8	21.1	114 E	43*	66
6 5	11 52.12	− 2 36.8	1.886	2.361	24.5	21.2	105 E	39*	67
6 15	11 56.47	− 3 36.4	1.979	2.328	25.7	21.3	97 E	34*	68
6 25	12 3.10	− 4 47.5	2.071	2.295	26.3	21.4	89 E	29*	69
7 5	12 11.74	− 6 8.8	2.162	2.262	26.5	21.4	82 E	24*	69*
7 15	12 22.17	− 7 39.2	2.249	2.228	26.2	21.5	76 E	19*	67*

302831 2003 FH

21/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
2 5	13 27.22	+27 53.6	0.986	1.714	29.6	21.4	121 W	73	36
2 10	13 28.42	+28 53.3	0.919	1.685	29.0	21.2	124 W	74	35
2 15	13 28.27	+30 1.6	0.854	1.654	28.2	21.0	128 W	75	34
2 20	13 26.50	+31 18.2	0.792	1.623	27.3	20.8	131 W	76	33
2 25	13 22.79	+32 42.3	0.733	1.590	26.5	20.5	134 W	78	31
3 2	13 16.76	+34 12.4	0.677	1.556	25.7	20.3	137 W	79	30
3 7	13 7.93	+35 45.8	0.625	1.521	25.2	20.0	139 W	81	28
3 12	12 55.82	+37 17.9	0.577	1.485	25.1	19.8	141 W	82	27
3 17	12 39.97	+38 41.8	0.533	1.448	25.7	19.6	141 W	84	25
3 22	12 20.13	+39 47.9	0.495	1.410	27.3	19.4	140 W	85	24
3 27	11 56.41	+40 24.6	0.461	1.370	30.0	19.3	137 E	85	24

302831 2003 FH *(continuation)*

21/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
	h m	° ′			°	m	°	°	°
3 29	11 45.97	+40 28.4	0.449	1.354	31.4	19.3	135 E	85	24
3 31	11 35.06	+40 24.8	0.438	1.338	32.9	19.2	133 E	85	24
4 2	11 23.78	+40 13.3	0.428	1.322	34.6	19.2	131 E	85	24
4 4	11 12.23	+39 53.3	0.419	1.305	36.5	19.2	129 E	85	24
4 6	11 0.51	+39 24.3	0.410	1.288	38.6	19.2	127 E	84	25
4 8	10 48.73	+38 46.3	0.402	1.271	40.7	19.1	124 E	84	25
4 10	10 37.01	+37 59.2	0.396	1.254	43.0	19.1	121 E	83	26
4 12	10 25.45	+37 3.1	0.390	1.237	45.4	19.1	119 E	82	27
4 14	10 14.14	+35 58.5	0.384	1.219	47.9	19.2	116 E	81	28
4 16	10 3.15	+34 45.8	0.380	1.202	50.4	19.2	113 E	80	29
4 18	9 52.55	+33 25.8	0.376	1.184	53.0	19.2	110 E	78	31
4 20	9 42.36	+31 59.0	0.373	1.166	55.7	19.2	106 E	77	32
4 22	9 32.60	+30 26.3	0.370	1.148	58.4	19.2	103 E	75	34
4 24	9 23.28	+28 48.4	0.368	1.130	61.2	19.3	100 E	74*	35
4 26	9 14.39	+27 6.1	0.366	1.112	64.0	19.3	97 E	71*	37
5 1	8 53.83	+22 35.8	0.364	1.066	71.0	19.4	89 E	62*	41
5 6	8 35.22	+17 52.6	0.365	1.019	78.1	19.6	81 E	53*	46*
5 11	8 17.87	+13 5.1	0.367	0.972	85.2	19.7	74 E	42*	49*
5 16	8 0.98	+ 8 20.7	0.371	0.925	92.4	20.0	66 E	32*	51*
5 21	7 43.78	+ 3 46.9	0.377	0.879	99.5	20.2	59 E	21*	49*
5 26	7 25.58	− 0 27.2	0.386	0.834	106.4	20.5	52 E	11*	46*
5 28	7 17.91	− 2 0.8	0.390	0.816	109.1	20.6	50 E	7*	43*
5 30	7 10.01	− 3 28.6	0.395	0.799	111.7	20.8	47 E	2*	41*
6 1	7 1.86	− 4 49.5	0.400	0.782	114.1	20.9	45 E	—	38*
6 3	6 53.49	− 6 2.9	0.406	0.766	116.4	21.0	43 E	—	36*
6 5	6 44.93	− 7 7.6	0.413	0.750	118.5	21.2	41 E	—	32*
6 7	6 36.23	− 8 2.8	0.421	0.735	120.3	21.3	39 E	—	29*
6 9	6 27.45	− 8 47.8	0.429	0.721	121.8	21.4	37 E	—	26*

213332 2001 SV_{148}

21/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
2 5	13 41.45	−14 53.7	1.920	2.403	23.1	21.4	107 W	30	79
2 15	13 46.72	−15 29.4	1.769	2.373	22.0	21.2	116 W	30	79
2 25	13 49.54	−15 50.3	1.628	2.342	20.2	20.9	125 W	29	80
3 7	13 49.59	−15 53.9	1.499	2.311	17.7	20.6	135 W	29	80
3 17	13 46.59	−15 37.6	1.386	2.279	14.2	20.3	146 W	29	80
3 27	13 40.63	−14 59.5	1.293	2.246	9.9	20.0	157 W	30	79
4 6	13 32.19	−14 0.1	1.223	2.213	5.0	19.6	169 W	31	78
4 11	13 27.33	−13 23.5	1.197	2.197	2.6	19.4	174 W	32	77
4 16	13 22.25	−12 43.3	1.178	2.180	2.0	19.3	176 E	32	77
4 21	13 17.14	−12 0.7	1.165	2.163	4.3	19.4	171 E	33	76
4 26	13 12.20	−11 17.1	1.159	2.147	7.0	19.5	165 E	34	75
5 1	13 7.59	−10 33.9	1.159	2.130	9.8	19.6	159 E	34	75
5 6	13 3.48	− 9 52.3	1.164	2.113	12.6	19.7	153 E	35	74
5 11	12 59.99	− 9 13.6	1.175	2.096	15.2	19.8	147 E	36	73
5 16	12 57.24	− 8 38.9	1.191	2.079	17.7	19.9	141 E	36	73
5 26	12 54.22	− 7 44.5	1.235	2.045	22.0	20.1	131 E	37	72
6 5	12 54.62	− 7 12.7	1.291	2.012	25.6	20.2	121 E	38*	71
6 15	12 58.37	− 7 4.0	1.355	1.979	28.4	20.4	112 E	36*	71
6 25	13 5.20	− 7 16.9	1.425	1.946	30.4	20.5	104 E	34*	71
7 5	13 14.78	− 7 48.7	1.497	1.913	31.8	20.6	97 E	30*	72
7 15	13 26.81	− 8 36.4	1.569	1.882	32.7	20.7	91 E	27*	73
7 25	13 41.02	− 9 37.0	1.640	1.851	33.1	20.8	85 E	25*	73*
8 4	13 57.17	−10 47.4	1.709	1.822	33.2	20.9	79 E	22*	70*
8 14	14 15.12	−12 4.5	1.776	1.793	33.0	20.9	74 E	20*	67*
8 24	14 34.72	−13 25.5	1.839	1.767	32.5	20.9	70 E	19*	63*
9 3	14 55.88	−14 47.1	1.899	1.742	31.8	20.9	65 E	18*	59*
9 13	15 18.54	−16 6.5	1.956	1.718	30.9	21.0	61 E	17*	55*
9 23	15 42.59	−17 20.6	2.010	1.697	29.9	21.0	58 E	17*	51*
10 3	16 7.95	−18 26.3	2.062	1.679	28.8	21.0	54 E	16*	47*
10 13	16 34.53	−19 20.7	2.112	1.663	27.5	21.0	50 E	16*	44*
10 23	17 2.16	−20 1.0	2.159	1.649	26.2	20.9	47 E	16*	40*
11 2	17 30.68	−20 24.8	2.206	1.639	24.7	20.9	44 E	16*	36*
11 12	17 59.88	−20 30.1	2.252	1.632	23.2	20.9	41 E	16*	32*
11 22	18 29.51	−20 15.7	2.297	1.627	21.7	20.9	37 E	16*	28*
12 2	18 59.33	−19 40.9	2.342	1.626	20.0	20.9	34 E	16*	24*
12 12	19 29.11	−18 45.8	2.386	1.628	18.3	20.9	31 E	16*	20*
12 22	19 58.60	−17 31.5	2.431	1.633	16.6	20.9	28 E	16*	16*
1 1	20 27.64	−15 59.5	2.476	1.641	14.8	20.9	25 E	15*	12*
1 11	20 56.10	−14 11.9	2.521	1.653	13.0	20.9	22 E	13*	9*
1 21	21 23.86	−12 11.1	2.565	1.667	11.1	20.8	19 E	11*	6*

441825 2009 SK_1

21/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
2 5	13 51.55	−18 2.5	1.140	1.675	34.9	21.2	104 W	27	82
2 10	13 59.63	−17 15.4	1.074	1.661	34.6	21.1	107 W	28	81
2 15	14 7.40	−16 13.8	1.010	1.646	34.1	20.9	111 W	29	80
2 20	14 14.80	−14 55.6	0.947	1.631	33.4	20.7	115 W	30	79
2 25	14 21.79	−13 18.6	0.887	1.616	32.5	20.6	119 W	32	77
3 2	14 28.29	−11 20.6	0.830	1.601	31.3	20.4	123 W	34	75
3 7	14 34.24	− 8 59.0	0.776	1.586	30.0	20.2	127 W	36	73

441825 2009 SK_1 *(continuation)*

2021	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
	h m	° ′			°	m	°	°	°
3 12	14 39.54	− 6 11.8	0.726	1.571	28.4	19.9	131 W	39	70
3 17	14 44.12	− 2 57.1	0.681	1.555	26.7	19.7	135 W	42	67
3 27	14 50.79	+ 4 54.3	0.607	1.524	23.6	19.3	142 W	50	59
4 6	14 53.78	+14 14.1	0.559	1.493	22.6	19.1	145 W	59	50
4 16	14 52.84	+24 2.9	0.539	1.463	25.5	19.1	141 W	69	40
4 21	14 51.03	+28 42.2	0.539	1.448	28.1	19.1	137 W	74	35
4 26	14 48.51	+32 59.0	0.544	1.433	31.0	19.2	133 W	78	31
5 1	14 45.47	+36 47.3	0.554	1.418	34.0	19.3	128 W	82	27
5 6	14 42.13	+40 3.8	0.568	1.404	36.8	19.4	123 E	85	24
5 11	14 38.76	+42 47.3	0.584	1.390	39.5	19.5	119 E	88	21
5 16	14 35.63	+44 58.9	0.602	1.376	41.8	19.6	115 E	90	19
5 21	14 33.03	+46 41.1	0.621	1.363	43.9	19.7	111 E	88	17
5 26	14 31.18	+47 56.9	0.640	1.351	45.7	19.8	107 E	87	16
5 31	14 30.22	+48 49.6	0.658	1.339	47.2	19.9	104 E	86	15
6 5	14 30.25	+49 22.0	0.676	1.327	48.5	20.0	102 E	86	15
6 10	14 31.36	+49 36.5	0.692	1.316	49.6	20.0	99 E	85	14
6 15	14 33.59	+49 35.2	0.707	1.306	50.5	20.1	97 E	85	14
6 20	14 36.94	+49 20.1	0.720	1.297	51.3	20.1	95 E	86	15
6 25	14 41.36	+48 52.6	0.731	1.288	52.0	20.2	94 E	86	15
6 30	14 46.81	+48 13.9	0.740	1.280	52.5	20.2	92 E	86*	16
7 5	14 53.23	+47 24.3	0.747	1.273	53.0	20.2	91 E	85*	17
7 10	15 0.59	+46 24.3	0.751	1.267	53.4	20.2	90 E	84*	18
7 15	15 8.85	+45 13.9	0.754	1.262	53.6	20.3	90 E	82*	19
7 20	15 17.96	+43 53.4	0.754	1.258	53.9	20.3	89 E	81*	20
7 25	15 27.88	+42 22.7	0.753	1.255	54.0	20.3	89 E	80*	22
7 30	15 38.55	+40 41.3	0.751	1.253	54.1	20.2	89 E	79*	23
8 4	15 49.94	+38 48.7	0.747	1.252	54.1	20.2	89 E	78*	25
8 9	16 2.05	+36 44.6	0.743	1.252	54.1	20.2	90 E	76*	27
8 14	16 14.84	+34 28.6	0.738	1.253	53.9	20.2	90 E	75*	30
8 19	16 28.29	+32 1.0	0.734	1.256	53.7	20.2	91 E	73*	32
8 24	16 42.35	+29 21.8	0.730	1.259	53.4	20.2	91 E	71*	35
8 29	16 56.98	+26 31.4	0.727	1.263	53.1	20.2	92 E	69*	37
9 3	17 12.14	+23 31.0	0.726	1.268	52.6	20.2	92 E	67*	40
9 8	17 27.80	+20 22.1	0.728	1.274	52.1	20.2	93 E	64*	44
9 13	17 43.92	+17 7.1	0.732	1.282	51.6	20.2	94 E	61*	47
9 18	18 0.42	+13 49.0	0.740	1.290	51.0	20.2	94 E	58*	50*
9 23	18 17.22	+10 31.1	0.752	1.298	50.4	20.2	94 E	55*	53*
9 28	18 34.26	+ 7 16.7	0.768	1.308	49.8	20.3	94 E	52*	57*
10 3	18 51.45	+ 4 9.3	0.788	1.318	49.2	20.3	94 E	49*	60*
10 8	19 8.75	+ 1 11.9	0.813	1.329	48.6	20.4	94 E	46	62*
10 13	19 26.06	− 1 32.7	0.842	1.341	48.0	20.5	93 E	43	65*
10 18	19 43.31	− 4 2.7	0.875	1.353	47.4	20.6	92 E	41	67*
10 23	20 0.42	− 6 17.0	0.912	1.366	46.7	20.6	91 E	39	68*
10 28	20 17.34	− 8 15.0	0.953	1.379	46.1	20.7	90 E	37	69*
11 2	20 34.02	− 9 56.7	0.997	1.393	45.4	20.8	89 E	35	70*
11 7	20 50.43	−11 22.7	1.045	1.407	44.7	20.9	87 E	34	70*
11 12	21 6.54	−12 33.5	1.094	1.421	44.0	21.1	86 E	32	69*
11 17	21 22.31	−13 30.3	1.146	1.436	43.2	21.2	84 E	31	69*
11 22	21 37.73	−14 14.1	1.200	1.451	42.4	21.3	82 E	31	67*
11 27	21 52.81	−14 46.2	1.256	1.466	41.6	21.4	81 E	30	66*
12 2	22 7.54	−15 7.5	1.313	1.481	40.8	21.4	79 E	30	64*

7474 1992 TC

2021	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
2 5	13 51.63	− 0 59.3	1.463	2.019	27.4	21.5	110 W	44	65
2 15	13 55.69	− 0 31.1	1.354	2.022	25.4	21.3	119 W	44	65
2 25	13 56.28	+ 0 18.5	1.253	2.023	22.5	21.0	128 W	45	64
3 7	13 52.96	+ 1 28.3	1.165	2.022	18.7	20.7	139 W	46	63
3 17	13 45.53	+ 2 54.6	1.093	2.019	14.2	20.4	150 W	48	61
3 22	13 40.36	+ 3 41.4	1.066	2.016	11.7	20.3	156 W	49	60
3 27	13 34.35	+ 4 28.9	1.044	2.013	9.4	20.1	161 W	49	60
4 1	13 27.67	+ 5 15.3	1.028	2.010	7.5	20.0	165 W	50	59
4 6	13 20.51	+ 5 58.9	1.019	2.006	6.6	20.0	167 W	51	58
4 11	13 13.10	+ 6 38.1	1.016	2.001	7.4	20.0	165 E	52	57
4 16	13 5.70	+ 7 11.2	1.020	1.996	9.3	20.1	161 E	52	57
4 21	12 58.58	+ 7 37.2	1.029	1.990	11.8	20.2	156 E	53	56
4 26	12 51.97	+ 7 55.2	1.045	1.984	14.4	20.3	151 E	53	56
5 6	12 40.94	+ 8 6.6	1.092	1.970	19.5	20.5	139 E	53	56
5 16	12 33.57	+ 7 46.8	1.155	1.954	23.8	20.8	129 E	53	56
5 26	12 30.14	+ 7 0.0	1.231	1.936	27.2	21.0	119 E	52	57
6 5	12 30.43	+ 5 51.7	1.313	1.916	29.8	21.2	110 E	50*	58
6 15	12 34.05	+ 4 26.4	1.400	1.894	31.6	21.4	102 E	45*	60

347593 2001 PX_{21}

2021	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
2 5	13 54.43	+ 5 30.9	2.217	2.725	19.8	21.5	111 W	51	58
2 15	13 56.85	+ 7 6.0	2.121	2.751	18.1	21.4	120 W	52	57
2 25	13 56.71	+ 8 57.3	2.038	2.776	16.0	21.2	130 W	54	55
3 7	13 53.95	+10 59.9	1.974	2.799	13.4	21.1	139 W	56	53
3 17	13 48.71	+13 6.5	1.931	2.822	10.9	21.0	148 W	58	51
3 27	13 41.41	+15 7.6	1.914	2.844	8.9	20.9	154 W	60	49

347593 2001 PX_{21} *(continuation)*

21/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
	h m	° ′			°	m	°	°	°
4 6	13 32.79	+16 53.5	1.925	2.865	8.4	20.9	155 W	62	47
4 16	13 23.72	+18 16.2	1.963	2.885	9.5	21.0	152 E	63	46
4 26	13 15.18	+19 10.5	2.026	2.904	11.6	21.2	144 E	64	45
5 6	13 7.97	+19 35.9	2.112	2.922	13.9	21.3	136 E	65	44

187043 2005 KE_{12}

2021	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
2 5	14 3.04	− 3 17.6	1.926	2.395	23.3	21.3	106 W	42	67
2 15	14 9.23	− 3 13.7	1.778	2.367	22.3	21.1	115 W	42	67
2 25	14 13.06	− 2 54.6	1.639	2.338	20.6	20.8	124 W	42	67
3 7	14 14.15	− 2 20.2	1.511	2.308	18.2	20.6	133 W	43	66
3 17	14 12.18	− 1 31.6	1.399	2.277	15.1	20.3	143 W	43	66
3 27	14 7.05	− 0 32.0	1.307	2.246	11.3	19.9	154 W	44	65
4 1	14 3.38	+ 0 0.2	1.269	2.231	9.2	19.8	159 W	45	64
4 6	13 59.06	+ 0 32.8	1.237	2.215	7.3	19.6	164 W	46	63
4 11	13 54.20	+ 1 4.7	1.211	2.199	5.9	19.5	167 W	46	63
4 16	13 48.95	+ 1 34.7	1.191	2.183	5.5	19.4	168 W	47	62
4 21	13 43.48	+ 2 1.6	1.178	2.166	6.5	19.4	166 E	47	62
4 26	13 37.99	+ 2 24.2	1.171	2.150	8.4	19.5	162 E	47	62
5 1	13 32.65	+ 2 41.6	1.170	2.134	10.7	19.6	157 E	48	61
5 6	13 27.64	+ 2 53.2	1.175	2.117	13.1	19.6	152 E	48	61
5 16	13 19.22	+ 2 57.1	1.200	2.084	17.8	19.8	141 E	48	61
5 26	13 13.70	+ 2 34.5	1.242	2.051	22.0	20.0	131 E	48	61
6 5	13 11.51	+ 1 47.5	1.297	2.018	25.5	20.2	121 E	47*	62
6 15	13 12.70	+ 0 39.4	1.360	1.984	28.2	20.3	112 E	45*	63
6 25	13 17.10	− 0 46.3	1.429	1.951	30.3	20.4	105 E	41*	65
7 5	13 24.39	− 2 26.0	1.501	1.919	31.7	20.5	97 E	36*	66
7 15	13 34.29	− 4 16.8	1.573	1.887	32.6	20.6	91 E	32*	68
7 25	13 46.53	− 6 15.9	1.644	1.855	33.1	20.7	85 E	28*	70*
8 4	14 0.87	− 8 20.7	1.712	1.825	33.1	20.8	80 E	25*	69*
8 14	14 17.16	−10 29.1	1.778	1.795	32.9	20.8	74 E	22*	66*
8 24	14 35.29	−12 38.4	1.841	1.767	32.5	20.8	70 E	20*	63*
9 3	14 55.15	−14 46.3	1.901	1.740	31.8	20.8	65 E	18*	59*
9 13	15 16.72	−16 50.1	1.957	1.714	30.9	20.9	61 E	16*	55*
9 23	15 39.93	−18 46.9	2.009	1.691	29.9	20.9	57 E	15*	51*
10 3	16 4.75	−20 33.8	2.059	1.670	28.8	20.8	53 E	14*	47*
10 13	16 31.10	−22 7.8	2.107	1.651	27.5	20.8	50 E	13*	44*
10 23	16 58.86	−23 25.6	2.152	1.635	26.2	20.8	47 E	13*	40*
11 2	17 27.88	−24 24.6	2.195	1.621	24.8	20.8	43 E	12*	37*
11 12	17 57.95	−25 2.0	2.237	1.611	23.3	20.8	40 E	12*	33*
11 22	18 28.78	−25 16.1	2.278	1.603	21.7	20.8	37 E	12*	30*
12 2	19 0.06	−25 5.7	2.319	1.598	20.1	20.7	34 E	11*	26*
12 12	19 31.49	−24 30.5	2.359	1.597	18.5	20.7	31 E	11*	23*
12 22	20 2.74	−23 31.3	2.399	1.599	16.8	20.7	28 E	11*	19*
1 1	20 33.54	−22 9.7	2.439	1.604	15.1	20.7	25 E	10*	16*
1 11	21 3.70	−20 28.2	2.479	1.612	13.4	20.7	22 E	9*	13*
1 21	21 33.05	−18 29.5	2.518	1.623	11.6	20.7	19 E	8*	11*

205284 2000 SQ_{154}

2021	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
2 5	14 7.06	− 9 44.5	1.944	2.371	23.9	21.3	103 W	35	74
2 15	14 14.41	−10 17.5	1.786	2.334	23.2	21.1	111 W	35	74
2 25	14 19.65	−10 39.1	1.636	2.297	21.9	20.8	120 W	34	75
3 7	14 22.34	−10 48.4	1.496	2.260	19.8	20.5	129 W	34	75
3 17	14 22.09	−10 44.5	1.369	2.221	16.9	20.2	139 W	34	75
3 27	14 18.64	−10 27.1	1.260	2.183	13.1	19.9	150 W	35	74
4 6	14 12.05	− 9 57.5	1.171	2.144	8.4	19.5	162 W	35	74
4 16	14 2.82	− 9 18.3	1.106	2.106	3.1	19.0	173 W	36	73
4 21	13 57.54	− 8 56.8	1.082	2.086	1.4	18.9	177 W	36	73
4 26	13 52.07	− 8 35.3	1.065	2.067	3.5	18.9	173 E	36	73
5 1	13 46.58	− 8 14.6	1.053	2.047	6.4	19.1	167 E	37	72
5 6	13 41.28	− 7 55.9	1.048	2.028	9.4	19.2	161 E	37	72
5 11	13 36.37	− 7 40.0	1.048	2.009	12.4	19.3	155 E	37	72
5 16	13 32.02	− 7 27.9	1.054	1.990	15.2	19.3	149 E	38	71
5 26	13 25.57	− 7 17.7	1.079	1.951	20.4	19.5	138 E	38	71
6 5	13 22.63	− 7 28.1	1.118	1.914	24.8	19.7	128 E	38	71
6 15	13 23.44	− 7 59.6	1.167	1.877	28.4	19.9	118 E	36*	72
6 25	13 27.92	− 8 50.9	1.224	1.841	31.2	20.0	110 E	34*	73
7 5	13 35.74	− 9 59.2	1.284	1.807	33.3	20.1	103 E	30*	74
7 15	13 46.63	−11 21.7	1.345	1.774	34.7	20.2	96 E	27*	75
7 25	14 0.28	−12 55.1	1.407	1.742	35.7	20.3	90 E	24*	77*
8 4	14 16.42	−14 36.0	1.468	1.713	36.2	20.4	85 E	21*	76*
8 14	14 34.88	−16 21.2	1.527	1.686	36.3	20.4	80 E	19*	73*
8 24	14 55.49	−18 7.3	1.585	1.661	36.2	20.5	76 E	17*	70*
9 3	15 18.13	−19 50.3	1.642	1.639	35.8	20.5	72 E	16*	66*
9 13	15 42.70	−21 26.7	1.697	1.620	35.2	20.5	68 E	15*	62*
9 23	16 9.05	−22 52.6	1.752	1.605	34.4	20.6	65 E	15*	59*
10 3	16 37.01	−24 4.1	1.807	1.593	33.5	20.6	61 E	14*	55*
10 13	17 6.39	−24 57.6	1.862	1.584	32.4	20.6	58 E	14*	52*
10 23	17 36.88	−25 30.2	1.918	1.580	31.2	20.6	55 E	14*	49*
11 2	18 8.15	−25 39.3	1.975	1.579	29.9	20.7	52 E	15*	46*

21/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
205284 2000 SQ_{154} *(continuation)*									
	h m	° ′			°	m	°	°	°
11 12	18 39.85	−25 23.9	2.034	1.582	28.4	20.7	50 E	15*	42*
11 22	19 11.59	−24 43.5	2.096	1.589	26.9	20.7	47 E	16*	39*
12 2	19 43.01	−23 39.2	2.159	1.600	25.2	20.8	44 E	17*	35*
12 12	20 13.84	−22 12.6	2.224	1.615	23.5	20.8	41 E	17*	31*
12 22	20 43.84	−20 26.5	2.292	1.632	21.8	20.8	38 E	18*	27*
1 1	21 12.89	−18 23.9	2.361	1.653	19.9	20.9	35 E	18*	23*
1 11	21 40.92	−16 8.0	2.431	1.677	18.0	20.9	32 E	18*	20*
1 21	22 7.91	−13 42.2	2.501	1.703	16.0	20.9	29 E	17*	16*
272475 2005 UU_{80}									
2 5	14 7.59	− 5 3.4	2.177	2.605	21.5	21.3	104 W	40	69
2 15	14 12.50	− 5 3.1	2.021	2.578	20.6	21.1	113 W	40	69
2 25	14 15.10	− 4 49.0	1.874	2.549	19.1	20.9	123 W	40	69
3 7	14 15.08	− 4 21.2	1.738	2.519	16.8	20.6	133 W	41	68
3 17	14 12.16	− 3 40.2	1.619	2.488	13.8	20.3	143 W	41	68
3 27	14 6.34	− 2 48.3	1.520	2.457	10.2	20.0	154 W	42	67
4 1	14 2.42	− 2 19.7	1.479	2.441	8.2	19.9	160 W	43	66
4 6	13 57.91	− 1 50.1	1.445	2.424	6.2	19.7	165 W	43	66
4 11	13 52.93	− 1 20.4	1.417	2.408	4.6	19.6	169 W	44	65
4 16	13 47.60	− 0 51.6	1.396	2.391	4.0	19.5	170 W	44	65
4 21	13 42.08	− 0 24.9	1.381	2.374	5.0	19.5	168 E	45	64
4 26	13 36.55	− 0 1.0	1.374	2.357	6.9	19.6	164 E	45	64
5 1	13 31.15	+ 0 19.1	1.373	2.339	9.1	19.6	158 E	45	64
5 6	13 26.05	+ 0 34.8	1.378	2.322	11.4	19.7	153 E	46	63
5 16	13 17.30	+ 0 50.7	1.405	2.286	15.9	19.9	142 E	46	63
5 26	13 11.18	+ 0 44.6	1.451	2.249	19.9	20.1	131 E	46	63
6 5	13 8.08	+ 0 17.1	1.511	2.212	23.1	20.2	121 E	45*	64
6 15	13 8.12	− 0 29.9	1.580	2.174	25.7	20.4	112 E	43*	64
6 25	13 11.15	− 1 33.8	1.655	2.136	27.6	20.5	104 E	39*	66
7 5	13 16.91	− 2 51.7	1.733	2.097	28.8	20.6	96 E	35*	67
7 15	13 25.15	− 4 21.2	1.810	2.058	29.6	20.6	89 E	31*	68
7 25	13 35.61	− 6 0.1	1.885	2.019	29.9	20.7	82 E	27*	69*
8 4	13 48.08	− 7 46.1	1.956	1.980	29.9	20.7	76 E	24*	67*
8 14	14 2.41	− 9 37.4	2.023	1.940	29.5	20.8	71 E	21*	63*
8 24	14 18.49	−11 32.1	2.084	1.901	28.9	20.8	65 E	18*	59*
9 3	14 36.24	−13 28.0	2.139	1.863	28.1	20.7	61 E	16*	54*
9 13	14 55.63	−15 23.2	2.188	1.825	27.2	20.7	56 E	15*	50*
9 23	15 16.65	−17 15.4	2.231	1.788	26.0	20.7	51 E	13*	45*
10 3	15 39.28	−19 2.0	2.269	1.752	24.8	20.6	47 E	12*	41*
10 13	16 3.53	−20 40.3	2.300	1.717	23.5	20.6	43 E	11*	37*
10 23	16 29.38	−22 7.4	2.327	1.684	22.1	20.5	40 E	10*	33*
11 2	16 56.75	−23 20.2	2.349	1.653	20.7	20.5	36 E	10*	30*
11 12	17 25.56	−24 15.7	2.367	1.624	19.2	20.4	33 E	9*	26*
11 22	17 55.64	−24 50.8	2.382	1.598	17.7	20.3	29 E	8*	22*
12 2	18 26.75	−25 3.2	2.395	1.574	16.2	20.3	26 E	8*	19*
12 12	18 58.64	−24 50.8	2.407	1.554	14.6	20.2	24 E	7*	16*
12 22	19 30.95	−24 12.7	2.417	1.538	13.1	20.1	21 E	6*	13*
1 1	20 3.38	−23 8.9	2.428	1.525	11.6	20.1	18 E	5*	10*
1 11	20 35.63	−21 40.5	2.440	1.516	10.1	20.0	16 E	4*	8*
1 21	21 7.42	−19 49.5	2.452	1.511	8.6	19.9	13 E	3*	6*
228810 2003 BZ_2									
2 5	14 8.08	+17 30.5	2.222	2.723	19.9	21.4	110 W	63	46
2 15	14 10.83	+19 11.2	2.137	2.746	18.5	21.3	118 W	64	45
2 25	14 10.84	+21 2.6	2.066	2.768	16.8	21.2	126 W	66	43
3 7	14 8.00	+22 58.3	2.011	2.789	14.9	21.1	134 W	68	41
3 17	14 2.38	+24 49.4	1.975	2.809	13.2	21.0	140 W	70	39
3 27	13 54.38	+26 25.7	1.962	2.828	12.1	20.9	144 W	71	38
4 6	13 44.73	+27 38.0	1.973	2.846	11.8	21.0	144 W	73	36
4 16	13 34.42	+28 19.4	2.008	2.863	12.6	21.0	142 E	73	36
4 26	13 24.53	+28 27.3	2.065	2.879	13.9	21.2	136 E	73	36
5 6	13 15.98	+28 3.0	2.143	2.894	15.5	21.3	130 E	73	36
5 16	13 9.42	+27 10.8	2.238	2.908	17.1	21.5	122 E	72	37
183023 2002 PG_{113}									
2 5	14 14.00	−14 27.9	1.748	2.150	26.8	21.4	100 W	31	78*
2 15	14 23.58	−15 51.0	1.598	2.116	26.4	21.1	107 W	29	80
2 25	14 31.20	−17 9.0	1.455	2.081	25.5	20.9	115 W	28	81
3 7	14 36.37	−18 21.7	1.320	2.046	23.8	20.6	124 W	27	82
3 17	14 38.52	−19 28.0	1.197	2.011	21.2	20.2	133 W	26	83
3 27	14 37.14	−20 26.3	1.087	1.976	17.8	19.9	143 W	25	84
4 6	14 31.95	−21 13.9	0.994	1.940	13.5	19.5	153 W	24	85
4 16	14 23.08	−21 47.1	0.921	1.905	8.5	19.1	164 W	23	86
4 21	14 17.53	−21 57.3	0.893	1.888	6.1	18.9	168 W	23	86
4 26	14 11.47	−22 3.1	0.870	1.871	4.6	18.8	171 E	23	86
5 1	14 5.14	−22 4.5	0.852	1.853	5.2	18.7	170 E	23	86
5 6	13 58.79	−22 2.0	0.841	1.836	7.5	18.8	166 E	23	86
5 11	13 52.70	−21 56.4	0.834	1.820	10.4	18.9	161 E	23	86
5 16	13 47.13	−21 48.6	0.833	1.803	13.4	19.0	156 E	23	86
5 21	13 42.33	−21 39.9	0.837	1.787	16.4	19.1	150 E	23	86

21/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
183023 2002 PG_{113} *(continuation)*									
	h m	° ′			°	m	°	°	°
5 26	13 38.47	−21 31.6	0.845	1.771	19.4	19.2	145 E	23	86
5 31	13 35.67	−21 24.8	0.857	1.755	22.1	19.3	139 E	24	85
6 5	13 34.00	−21 20.4	0.872	1.739	24.7	19.3	134 E	24	85
6 15	13 34.20	−21 21.6	0.910	1.710	29.1	19.5	125 E	23*	85
6 25	13 39.04	−21 38.8	0.956	1.681	32.6	19.7	117 E	22*	86
7 5	13 48.09	−22 11.9	1.007	1.655	35.3	19.9	110 E	20*	86
7 15	14 0.97	−22 58.9	1.061	1.631	37.3	20.0	103 E	17*	87
7 25	14 17.24	−23 56.5	1.117	1.610	38.7	20.1	98 E	15*	88
8 4	14 36.52	−25 0.4	1.174	1.591	39.6	20.2	93 E	14*	87*
8 14	14 58.52	−26 6.2	1.231	1.575	40.0	20.3	89 E	13*	82*
8 24	15 22.96	−27 9.0	1.290	1.562	40.1	20.4	85 E	12*	78*
9 3	15 49.53	−28 3.9	1.350	1.553	39.9	20.5	81 E	12*	74*
9 13	16 17.98	−28 46.4	1.411	1.547	39.4	20.6	78 E	12*	71*
9 23	16 47.92	−29 12.4	1.474	1.545	38.7	20.6	74 E	12*	68*
10 3	17 18.96	−29 18.5	1.540	1.546	37.9	20.7	71 E	13*	65*
10 13	17 50.69	−29 2.4	1.608	1.551	36.8	20.8	68 E	13*	62*
10 23	18 22.66	−28 22.8	1.680	1.559	35.5	20.8	66 E	15*	60*
11 2	18 54.45	−27 20.0	1.755	1.571	34.2	20.9	63 E	16*	56*
11 12	19 25.72	−25 54.9	1.833	1.586	32.7	21.0	60 E	18*	53*
11 22	19 56.19	−24 9.8	1.915	1.603	31.0	21.1	57 E	19*	49*
12 2	20 25.67	−22 7.1	1.999	1.624	29.3	21.1	54 E	21*	44*
12 12	20 54.10	−19 50.0	2.086	1.647	27.5	21.2	51 E	23*	39*
12 22	21 21.44	−17 21.3	2.175	1.673	25.6	21.3	47 E	24*	35*
1 1	21 47.71	−14 44.0	2.266	1.701	23.7	21.3	44 E	25*	30*
1 11	22 13.01	−12 0.7	2.356	1.730	21.6	21.4	40 E	25*	25*
1 21	22 37.40	− 9 13.9	2.446	1.761	19.6	21.5	37 E	24*	21*
19958 1985 RN_4									
2 5	14 14.60	−11 45.3	2.549	2.899	19.5	21.4	101 W	33	76*
2 15	14 18.67	−12 4.5	2.390	2.878	18.8	21.2	110 W	33	76
2 25	14 20.60	−12 12.7	2.238	2.857	17.6	21.0	119 W	33	76
3 7	14 20.14	−12 9.4	2.097	2.834	15.7	20.8	130 W	33	76
3 17	14 17.10	−11 53.9	1.972	2.811	13.1	20.6	140 W	33	76
3 27	14 11.51	−11 26.3	1.868	2.786	9.8	20.3	152 W	34	75
4 6	14 3.70	−10 48.1	1.787	2.761	5.9	20.0	163 W	34	75
4 16	13 54.27	−10 1.9	1.734	2.735	1.6	19.7	176 W	35	74
4 21	13 49.24	− 9 37.3	1.718	2.722	0.9	19.6	177 E	35	74
4 26	13 44.17	− 9 12.6	1.709	2.708	3.1	19.7	172 E	36	73
5 1	13 39.20	− 8 48.5	1.707	2.695	5.3	19.9	166 E	36	73
5 6	13 34.45	− 8 25.8	1.712	2.681	7.6	20.0	160 E	37	72
5 11	13 30.05	− 8 5.1	1.724	2.666	9.7	20.0	154 E	37	72
5 16	13 26.10	− 7 47.0	1.742	2.652	11.8	20.1	148 E	37	72
5 26	13 19.89	− 7 20.8	1.794	2.623	15.4	20.3	137 E	38	71
6 5	13 16.21	− 7 9.5	1.863	2.593	18.5	20.5	126 E	38	71
6 15	13 15.20	− 7 13.8	1.945	2.562	20.8	20.6	116 E	37*	71
6 25	13 16.81	− 7 33.4	2.036	2.530	22.6	20.7	107 E	34*	72
7 5	13 20.85	− 8 6.6	2.132	2.498	23.7	20.8	99 E	31*	72
7 15	13 27.09	− 8 52.0	2.229	2.465	24.3	20.9	91 E	27*	73
7 25	13 35.31	− 9 47.6	2.324	2.432	24.5	21.0	84 E	24*	72*
8 4	13 45.30	−10 51.6	2.417	2.397	24.3	21.0	77 E	21*	69*
8 14	13 56.92	−12 2.3	2.504	2.363	23.8	21.1	70 E	18*	63*
8 24	14 10.01	−13 17.9	2.585	2.328	23.0	21.1	64 E	16*	58*
9 3	14 24.46	−14 36.8	2.658	2.292	22.0	21.1	58 E	14*	52*
9 13	14 40.23	−15 57.4	2.723	2.256	20.7	21.1	52 E	12*	46*
9 23	14 57.25	−17 17.9	2.779	2.220	19.3	21.0	47 E	11*	41*
10 3	15 15.47	−18 36.7	2.826	2.184	17.8	21.0	42 E	9*	36*
10 13	15 34.88	−19 52.1	2.864	2.147	16.1	20.9	37 E	8*	31*
10 23	15 55.46	−21 2.1	2.892	2.111	14.3	20.8	32 E	7*	25*
11 2	16 17.16	−22 5.0	2.911	2.074	12.5	20.7	27 E	5*	21*
11 12	16 39.96	−22 58.9	2.921	2.038	10.5	20.6	22 E	4*	16*
11 22	17 3.80	−23 41.8	2.922	2.002	8.6	20.5	18 E	3*	11*
12 2	17 28.60	−24 11.9	2.915	1.967	6.6	20.4	13 E	1*	6*
12 12	17 54.27	−24 27.5	2.900	1.933	4.5	20.2	9 E	—	2*
12 22	18 20.67	−24 27.0	2.878	1.899	2.5	20.1	5 E	—	—
1 1	18 47.66	−24 9.4	2.850	1.867	0.7	19.9	1 E	—	—
1 11	19 15.09	−23 33.6	2.816	1.836	1.9	19.9	3 W	—	—
1 21	19 42.77	−22 39.5	2.778	1.806	3.9	20.0	7 W	—	1*
259221 2003 BA_{21}									
2 5	14 14.83	−42 21.2	0.811	1.275	50.7	21.1	90 W	3	74*
2 7	14 23.25	−44 5.7	0.778	1.251	52.0	21.0	90 W	1	72*
2 9	14 32.72	−45 55.8	0.746	1.227	53.5	20.9	89 W	—	70*
2 11	14 43.51	−47 51.2	0.714	1.203	55.1	20.8	88 W	—	68*
2 13	14 55.93	−49 51.5	0.684	1.178	56.9	20.7	88 W	—	66*
2 15	15 10.39	−51 55.7	0.655	1.152	58.9	20.6	87 W	—	64*
2 16	15 18.55	−52 58.9	0.641	1.139	59.9	20.6	86 W	—	63*
2 17	15 27.42	−54 2.3	0.628	1.125	61.0	20.5	85 W	—	62*
2 18	15 37.10	−55 5.5	0.615	1.112	62.2	20.5	84 W	—	61*
2 19	15 47.68	−56 8.2	0.602	1.098	63.4	20.5	84 W	—	59*

259221 2003 BA_{21} *(continuation)*

2021	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
	h m	° ′			°	m	°	°	°
2 20	15 59.25	−57 9.6	0.590	1.085	64.7	20.4	83 W	—	58*
2 21	16 11.92	−58 8.9	0.578	1.071	66.1	20.4	82 W	—	57*
2 22	16 25.78	−59 5.4	0.567	1.056	67.5	20.4	81 W	—	56*
2 23	16 40.92	−59 57.8	0.557	1.042	68.9	20.3	79 W	—	54*
2 24	16 57.38	−60 44.9	0.547	1.028	70.5	20.3	78 W	—	53*
2 25	17 15.19	−61 25.3	0.538	1.013	72.1	20.3	77 W	—	52*
2 26	17 34.31	−61 57.6	0.530	0.998	73.7	20.3	75 W	—	50*
2 27	17 54.61	−62 20.1	0.522	0.983	75.4	20.3	74 W	—	49*
2 28	18 15.89	−62 31.5	0.515	0.968	77.2	20.3	72 W	—	47*
3 1	18 37.86	−62 30.3	0.509	0.952	79.0	20.3	71 W	—	46*
3 2	19 0.17	−62 15.7	0.504	0.937	80.9	20.3	69 W	—	44*
3 3	19 22.43	−61 47.2	0.499	0.921	82.9	20.3	67 W	—	43*
3 4	19 44.23	−61 4.6	0.496	0.905	84.8	20.3	65 W	—	41*
3 5	20 5.25	−60 8.3	0.493	0.888	86.8	20.4	63 W	—	39*
3 6	20 25.20	−58 59.1	0.492	0.872	88.8	20.4	61 W	—	38*
3 7	20 43.92	−57 38.3	0.491	0.855	90.8	20.4	59 W	—	36*
3 8	21 1.30	−56 7.1	0.492	0.838	92.9	20.5	57 W	—	35*
3 9	21 17.31	−54 27.1	0.494	0.820	94.9	20.5	55 W	—	33*
3 10	21 31.98	−52 39.6	0.496	0.803	96.9	20.6	53 W	—	31*
3 11	21 45.38	−50 46.1	0.500	0.785	98.8	20.6	51 W	—	30*
3 12	21 57.59	−48 47.9	0.505	0.767	100.7	20.7	49 W	—	28*
3 13	22 8.73	−46 46.4	0.511	0.748	102.6	20.8	47 W	—	27*
3 14	22 18.87	−44 42.5	0.518	0.730	104.4	20.8	45 W	—	26*
3 15	22 28.13	−42 37.3	0.526	0.711	106.1	20.9	43 W	—	24*
3 16	22 36.60	−40 31.5	0.535	0.692	107.7	21.0	41 W	—	23*
3 17	22 44.37	−38 25.9	0.545	0.672	109.2	21.0	40 W	—	22*
3 18	22 51.50	−36 21.0	0.557	0.652	110.6	21.1	38 W	—	21*
3 19	22 58.08	−34 17.3	0.569	0.632	111.9	21.2	36 W	—	20*
3 20	23 4.16	−32 15.1	0.582	0.611	113.1	21.2	34 W	—	19*
3 21	23 9.81	−30 14.7	0.597	0.590	114.1	21.3	33 W	—	18*
3 22	23 15.07	−28 16.2	0.612	0.569	115.0	21.3	31 W	—	17*
3 23	23 20.00	−26 19.7	0.629	0.547	115.7	21.3	30 W	—	16*
3 24	23 24.64	−24 25.2	0.647	0.525	116.2	21.3	28 W	—	15*
3 25	23 29.03	−22 32.7	0.666	0.502	116.6	21.3	27 W	—	15*
3 26	23 33.20	−20 42.1	0.686	0.479	116.7	21.3	25 W	—	14*
3 27	23 37.20	−18 53.1	0.707	0.456	116.5	21.2	24 W	—	13*
3 29	23 44.84	−15 19.4	0.753	0.409	115.3	21.0	22 W	—	12*
3 31	23 52.25	−11 48.9	0.805	0.360	112.4	20.7	19 W	—	11*
4 2	23 59.86	− 8 18.4	0.863	0.310	107.2	20.2	17 W	—	10*
4 4	0 8.24	− 4 43.0	0.927	0.262	98.4	19.6	15 W	—	8*
4 6	0 18.26	− 0 57.1	0.998	0.219	84.3	18.8	13 W	—	6*
4 11	0 56.88	+ 9 0.8	1.168	0.193	28.1	17.1	5 W	—	—
4 16	1 45.75	+16 36.4	1.263	0.294	24.6	18.1	7 E	—	—
4 21	2 30.89	+21 20.9	1.330	0.416	32.6	19.2	13 E	7*	—
4 26	3 11.27	+24 20.0	1.398	0.532	34.6	19.9	17 E	11*	1*
4 28	3 26.20	+25 10.7	1.427	0.575	34.5	20.1	19 E	13*	2*
4 30	3 40.46	+25 52.1	1.456	0.617	34.2	20.3	20 E	14*	4*
5 2	3 54.09	+26 25.3	1.487	0.658	33.7	20.5	21 E	15*	5*
5 4	4 7.12	+26 51.4	1.518	0.698	33.1	20.6	22 E	15*	6*
5 6	4 19.56	+27 11.5	1.550	0.736	32.4	20.8	23 E	16*	7*
5 8	4 31.45	+27 26.3	1.583	0.773	31.6	20.9	24 E	16*	7*
5 10	4 42.82	+27 36.4	1.616	0.808	30.8	21.0	24 E	16*	8*
5 12	4 53.69	+27 42.6	1.649	0.843	29.9	21.1	25 E	16*	9*
5 14	5 4.09	+27 45.4	1.683	0.877	29.1	21.2	25 E	16*	9*
5 16	5 14.04	+27 45.1	1.717	0.910	28.2	21.3	25 E	16*	10*
5 21	5 37.15	+27 33.9	1.802	0.988	26.0	21.5	25 E	16*	11*
5 26	5 58.04	+27 11.2	1.887	1.061	23.9	21.7	25 E	15*	12*
5 31	6 17.02	+26 40.5	1.970	1.129	21.9	21.9	25 E	13*	12*
6 5	6 34.41	+26 4.0	2.052	1.194	19.9	22.0	24 E	12*	12*

197595 2004 HH_{60}

2021	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
2 5	14 21.14	−17 46.7	1.759	2.123	27.4	21.5	97 W	27	82*
2 15	14 33.05	−18 48.3	1.614	2.091	27.2	21.3	104 W	26	83
2 25	14 43.32	−19 39.0	1.475	2.059	26.5	21.0	112 W	25	84
3 7	14 51.52	−20 17.3	1.342	2.028	25.1	20.7	120 W	25	84
3 17	14 57.13	−20 41.1	1.220	1.996	23.0	20.4	128 W	24	85
3 27	14 59.67	−20 48.3	1.109	1.965	20.0	20.1	138 W	24	85
4 6	14 58.81	−20 36.4	1.014	1.935	16.0	19.7	148 W	24	85
4 16	14 54.50	−20 3.3	0.935	1.905	11.1	19.3	159 W	25	84
4 26	14 47.29	−19 9.2	0.877	1.877	5.3	18.9	170 W	26	83
5 1	14 42.95	−18 35.3	0.856	1.863	2.4	18.7	176 W	26	83
5 6	14 38.37	−17 57.9	0.841	1.849	1.9	18.6	176 E	27	82
5 11	14 33.77	−17 18.3	0.831	1.835	4.9	18.7	171 E	28	81
5 16	14 29.39	−16 37.8	0.826	1.822	8.2	18.9	165 E	28	81
5 21	14 25.46	−15 58.2	0.827	1.809	11.4	19.0	159 E	29	80
5 26	14 22.18	−15 21.0	0.832	1.797	14.5	19.1	154 E	30	79
5 31	14 19.68	−14 47.3	0.842	1.785	17.5	19.2	148 E	30	79
6 5	14 18.07	−14 18.2	0.856	1.773	20.3	19.3	143 E	31	78

197595 2004 HH_{60} *(continuation)*

2021	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
	h m	° ′			°	m	°	°	°
6 15	14 17.78	−13 36.7	0.894	1.751	25.2	19.5	133 E	31	78
6 25	14 21.52	−13 19.4	0.943	1.731	29.1	19.7	124 E	32*	77
7 5	14 29.04	−13 24.9	1.000	1.713	32.1	19.9	116 E	31*	77
7 15	14 39.98	−13 50.0	1.062	1.697	34.4	20.1	109 E	29*	78
7 25	14 53.94	−14 30.2	1.129	1.684	35.9	20.3	103 E	27*	79
8 4	15 10.48	−15 20.6	1.199	1.673	36.9	20.4	98 E	26*	79
8 14	15 29.30	−16 16.8	1.272	1.666	37.4	20.5	93 E	25*	80*
8 24	15 50.08	−17 14.3	1.347	1.660	37.5	20.7	88 E	24*	79*
9 3	16 12.54	−18 8.8	1.423	1.658	37.2	20.8	84 E	23*	77*
9 13	16 36.44	−18 56.7	1.502	1.659	36.7	20.9	80 E	22*	73*
9 23	17 1.53	−19 34.8	1.583	1.662	35.9	21.0	76 E	22*	69*
10 3	17 27.54	−20 0.3	1.665	1.668	34.9	21.1	73 E	22*	66*
10 13	17 54.25	−20 11.1	1.750	1.677	33.8	21.1	69 E	22*	62*
10 23	18 21.39	−20 5.7	1.837	1.689	32.4	21.2	66 E	23*	58*
11 2	18 48.71	−19 43.5	1.926	1.703	31.0	21.3	62 E	23*	53*
11 12	19 16.00	−19 4.3	2.016	1.720	29.4	21.4	58 E	24*	49*
11 22	19 43.05	−18 8.6	2.107	1.738	27.7	21.5	55 E	24*	44*

391451 2007 FE_{20}

2021	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
2 5	14 23.30	−26 44.6	0.800	1.309	48.7	21.4	94 W	18	88*
2 10	14 39.73	−28 36.8	0.772	1.301	49.1	21.3	95 W	16	87*
2 15	14 56.52	−30 22.8	0.746	1.294	49.5	21.3	96 W	15	86
2 20	15 13.62	−32 1.3	0.721	1.288	49.7	21.2	96 W	13	84
2 25	15 30.99	−33 31.5	0.698	1.283	49.9	21.1	97 W	11	82
3 2	15 48.53	−34 52.4	0.676	1.279	50.0	21.0	98 W	10	81
3 7	16 6.13	−36 3.5	0.656	1.277	50.1	21.0	100 W	9	80
3 12	16 23.64	−37 4.0	0.636	1.275	50.0	20.9	101 W	8	79
3 17	16 40.88	−37 53.6	0.618	1.275	49.8	20.8	102 W	7	78
3 22	16 57.67	−38 32.4	0.600	1.277	49.4	20.8	103 W	6	77
3 27	17 13.86	−39 0.5	0.583	1.279	48.9	20.7	105 W	6	77
4 1	17 29.25	−39 18.4	0.567	1.283	48.3	20.6	107 W	6	77
4 6	17 43.64	−39 26.8	0.551	1.287	47.4	20.5	109 W	6	77
4 11	17 56.84	−39 26.3	0.536	1.293	46.4	20.5	111 W	6	77
4 16	18 8.67	−39 17.8	0.521	1.301	45.2	20.4	113 W	6	77
4 21	18 18.98	−39 2.1	0.507	1.309	43.7	20.3	116 W	6	77
4 26	18 27.64	−38 39.9	0.494	1.318	41.9	20.2	119 W	6	77
5 1	18 34.55	−38 11.9	0.481	1.328	39.9	20.1	122 W	7	78
5 6	18 39.60	−37 38.5	0.470	1.339	37.6	20.0	126 W	7	78
5 16	18 43.82	−36 16.4	0.450	1.364	31.9	19.8	134 W	9	80
5 26	18 40.51	−34 32.7	0.437	1.392	25.0	19.6	145 W	10	81
6 5	18 31.04	−32 26.6	0.435	1.423	16.9	19.4	156 W	13	84
6 10	18 24.74	−31 15.8	0.439	1.439	12.6	19.2	162 W	14	85
6 15	18 17.96	−30 1.3	0.446	1.455	8.4	19.1	168 W	15	86
6 20	18 11.16	−28 44.8	0.458	1.472	4.5	19.0	173 W	16	87
6 25	18 4.75	−27 28.5	0.474	1.489	3.2	19.1	175 E	18	89
6 30	17 59.04	−26 14.4	0.494	1.507	5.9	19.3	171 E	19	90
7 5	17 54.27	−25 4.4	0.519	1.525	9.5	19.6	166 E	20	89
7 10	17 50.60	−23 59.9	0.547	1.543	12.9	19.9	160 E	21	88
7 15	17 48.11	−23 1.9	0.580	1.561	16.1	20.2	155 E	22	87
7 25	17 46.72	−21 26.4	0.656	1.597	21.5	20.6	145 E	24	85
8 4	17 49.63	−20 15.9	0.745	1.634	25.6	21.1	136 E	25	84
8 14	17 56.21	−19 25.3	0.846	1.671	28.6	21.5	128 E	26	83
8 24	18 5.79	−18 48.5	0.955	1.707	30.7	21.9	121 E	26	83

154988 2004 XN_{35}

2021	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
2 5	14 35.20	− 4 27.7	1.246	1.694	35.2	21.4	98 W	41	68*
2 10	14 45.03	− 4 25.4	1.153	1.652	35.9	21.2	101 W	41	68*
2 15	14 55.33	− 4 16.9	1.063	1.608	36.7	21.0	103 W	41	68
2 20	15 6.22	− 4 1.4	0.974	1.563	37.5	20.7	106 W	41	68
2 25	15 17.89	− 3 37.6	0.887	1.516	38.4	20.5	108 W	41	68
3 2	15 30.60	− 3 3.9	0.802	1.468	39.5	20.2	110 W	42	67
3 7	15 44.69	− 2 18.1	0.720	1.419	40.8	19.9	111 W	43	66
3 12	16 0.66	− 1 17.1	0.641	1.368	42.4	19.7	112 W	44	65
3 17	16 19.22	+ 0 2.9	0.566	1.315	44.6	19.4	112 W	45	64
3 22	16 41.44	+ 1 47.2	0.495	1.260	47.7	19.1	111 W	47	62
3 27	17 8.88	+ 4 2.2	0.430	1.204	51.9	18.8	108 W	49	60
4 1	17 43.71	+ 6 54.2	0.373	1.146	57.9	18.5	104 W	52	57
4 6	18 28.57	+10 23.9	0.327	1.087	66.2	18.4	96 W	55*	54
4 8	18 49.84	+11 55.2	0.313	1.063	70.3	18.4	93 W	55*	52
4 10	19 13.07	+13 27.4	0.301	1.038	74.7	18.4	88 W	56*	50*
4 12	19 38.14	+14 56.9	0.292	1.013	79.5	18.4	84 W	55*	49*
4 14	20 4.76	+16 19.6	0.287	0.988	84.6	18.5	79 W	53*	46*
4 16	20 32.44	+17 31.2	0.285	0.963	89.8	18.7	74 W	51*	44*
4 18	21 0.57	+18 28.4	0.287	0.938	94.9	18.8	69 W	48*	41*
4 20	21 28.46	+19 9.1	0.292	0.912	99.9	19.1	63 W	45*	39*
4 22	21 55.47	+19 33.1	0.301	0.887	104.5	19.3	59 W	41*	36*
4 24	22 21.08	+19 41.9	0.314	0.861	108.6	19.5	54 W	38*	33*
4 26	22 44.96	+19 38.0	0.329	0.835	112.2	19.8	50 W	34*	31*
4 28	23 6.96	+19 24.2	0.347	0.809	115.1	20.0	47 W	31*	29*

154988 2004 XN_{35} *(continuation)*

21/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
	h m	° ′			°	m	°	°	°
4 30	23 27.08	+19 3.5	0.368	0.783	117.5	20.3	44 W	28*	28*
5 2	23 45.42	+18 38.4	0.391	0.757	119.3	20.4	41 W	25*	26*
5 4	0 2.15	+18 10.8	0.417	0.731	120.4	20.6	39 W	23*	25*
5 6	0 17.44	+17 42.3	0.444	0.705	121.0	20.7	37 W	21*	25*
5 8	0 31.51	+17 14.1	0.474	0.680	121.0	20.8	35 W	19*	24*
5 10	0 44.54	+16 47.2	0.505	0.656	120.4	20.8	34 W	17*	23*
5 12	0 56.72	+16 22.0	0.538	0.631	119.3	20.7	33 W	16*	23*
5 14	1 8.21	+15 59.2	0.573	0.608	117.6	20.7	32 W	14*	23*
5 16	1 19.17	+15 39.1	0.610	0.586	115.4	20.6	32 W	13*	23*
5 18	1 29.72	+15 22.0	0.648	0.565	112.7	20.5	31 W	12*	22*
5 20	1 39.99	+15 8.2	0.689	0.546	109.5	20.3	31 W	11*	22*
5 22	1 50.09	+14 57.8	0.730	0.529	105.9	20.2	30 W	10*	22*
5 24	2 0.09	+14 51.0	0.774	0.514	101.8	20.0	30 W	9*	22*
5 26	2 10.08	+14 47.7	0.818	0.501	97.4	19.9	29 W	9*	22*
5 31	2 35.25	+14 54.6	0.934	0.483	85.1	19.6	28 W	7*	21*
6 5	3 0.85	+15 19.6	1.051	0.486	72.3	19.4	27 W	6*	20*
6 10	3 26.54	+15 55.6	1.164	0.510	60.5	19.3	26 W	5*	19*
6 15	3 51.71	+16 35.0	1.271	0.550	50.6	19.4	25 W	4*	18*
6 20	4 15.87	+17 11.9	1.370	0.602	42.9	19.5	24 W	4*	17*
6 25	4 38.76	+17 43.1	1.461	0.661	37.2	19.7	23 W	4*	16*
7 5	5 20.52	+18 24.1	1.620	0.788	30.0	20.1	23 W	5*	16*
7 15	5 57.29	+18 37.7	1.754	0.917	26.3	20.5	24 W	7*	16*
7 25	6 29.78	+18 29.1	1.866	1.043	24.6	20.9	25 W	10*	16*
8 4	6 58.70	+18 3.6	1.957	1.163	24.1	21.2	28 W	14*	18*
8 14	7 24.63	+17 26.0	2.029	1.276	24.3	21.5	31 W	18*	19*

192507 1998 MQ_{37}

21/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
2 5	14 36.40	−22 5.3	2.397	2.630	22.0	21.5	92 W	23	84*
2 15	14 43.75	−23 4.7	2.238	2.607	21.9	21.3	101 W	22	87
2 25	14 49.12	−23 56.7	2.084	2.583	21.2	21.1	109 W	21	88
3 7	14 52.12	−24 40.3	1.936	2.558	20.0	20.9	118 W	20	89
3 17	14 52.36	−25 13.4	1.798	2.533	18.1	20.6	128 W	20	89
3 27	14 49.56	−25 33.3	1.675	2.506	15.5	20.4	138 W	19	90
4 6	14 43.66	−25 37.0	1.569	2.478	12.2	20.1	149 W	19	90
4 16	14 34.96	−25 21.3	1.485	2.450	8.3	19.8	159 W	20	89
4 21	14 29.78	−25 5.8	1.453	2.435	6.4	19.6	164 W	20	89
4 26	14 24.25	−24 45.1	1.427	2.421	4.8	19.5	168 W	20	89
5 1	14 18.52	−24 19.8	1.407	2.406	4.1	19.4	170 E	21	88
5 6	14 12.76	−23 50.3	1.394	2.391	4.9	19.4	168 E	21	88
5 11	14 7.16	−23 17.6	1.388	2.375	6.7	19.5	164 E	22	87
5 16	14 1.91	−22 42.7	1.388	2.360	8.9	19.6	159 E	22	87
5 21	13 57.15	−22 6.8	1.395	2.344	11.1	19.7	153 E	23	86
5 26	13 53.01	−21 31.1	1.407	2.329	13.4	19.8	148 E	23	86
5 31	13 49.60	−20 56.6	1.425	2.313	15.5	19.8	142 E	24	85
6 5	13 46.96	−20 24.4	1.447	2.297	17.5	19.9	137 E	25	84
6 15	13 44.19	−19 29.5	1.503	2.264	21.0	20.1	127 E	25*	83
6 25	13 44.78	−18 50.9	1.572	2.231	23.9	20.2	117 E	25*	83
7 5	13 48.52	−18 29.5	1.648	2.197	26.0	20.4	109 E	23*	82
7 15	13 55.13	−18 25.0	1.729	2.163	27.5	20.5	101 E	21*	82
7 25	14 4.33	−18 35.5	1.812	2.128	28.5	20.6	93 E	19*	83*
8 4	14 15.81	−18 58.6	1.894	2.094	28.9	20.7	87 E	17*	80*
8 14	14 29.36	−19 31.5	1.974	2.059	29.0	20.7	80 E	16*	74*
8 24	14 44.79	−20 11.7	2.050	2.024	28.7	20.8	74 E	14*	68*
9 3	15 1.94	−20 56.1	2.121	1.989	28.2	20.8	69 E	13*	63*
9 13	15 20.72	−21 42.1	2.187	1.954	27.4	20.8	63 E	13*	57*
9 23	15 41.02	−22 26.8	2.247	1.920	26.4	20.8	58 E	12*	52*
10 3	16 2.76	−23 7.5	2.301	1.886	25.3	20.7	54 E	11*	48*
10 13	16 25.85	−23 41.5	2.348	1.853	24.0	20.7	49 E	11*	43*
10 23	16 50.20	−24 6.0	2.390	1.821	22.6	20.7	45 E	11*	38*
11 2	17 15.68	−24 18.4	2.426	1.790	21.1	20.6	40 E	11*	34*
11 12	17 42.17	−24 16.5	2.456	1.761	19.5	20.6	36 E	11*	30*
11 22	18 9.49	−23 58.1	2.481	1.733	17.9	20.5	33 E	11*	25*
12 2	18 37.44	−23 21.7	2.502	1.706	16.2	20.4	29 E	10*	21*
12 12	19 5.84	−22 26.0	2.518	1.682	14.5	20.4	25 E	10*	16*
12 22	19 34.47	−21 10.7	2.532	1.660	12.8	20.3	22 E	9*	12*
1 1	20 3.15	−19 35.9	2.542	1.640	11.0	20.2	19 E	8*	9*
1 11	20 31.73	−17 42.3	2.550	1.624	9.3	20.1	15 E	7*	5*
1 21	21 0.06	−15 31.5	2.557	1.610	7.6	20.0	12 E	5*	2*

283557 2001 VV_2

21/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
2 5	14 49.32	− 5 41.7	2.446	2.706	21.3	21.4	94 W	39	68*
2 15	14 56.17	− 5 48.8	2.288	2.684	21.0	21.3	103 W	39	70
2 25	15 1.08	− 5 45.3	2.135	2.661	20.3	21.1	111 W	39	70
3 7	15 3.73	− 5 31.5	1.989	2.636	18.9	20.9	121 W	39	70
3 17	15 3.78	− 5 8.0	1.855	2.611	16.9	20.6	130 W	40	69
3 27	15 1.01	− 4 36.4	1.736	2.585	14.2	20.4	141 W	40	69
4 6	14 55.39	− 3 59.4	1.637	2.559	10.9	20.1	151 W	41	68
4 16	14 47.16	− 3 20.9	1.561	2.531	7.4	19.8	161 W	42	67

283557 2001 VV_2 *(continuation)*

21/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
	h m	° ′			°	m	°	°	°
4 21	14 42.27	− 3 2.8	1.532	2.517	5.8	19.7	165 W	42	67
4 26	14 37.01	− 2 46.4	1.510	2.503	4.8	19.6	168 W	42	67
5 1	14 31.52	− 2 32.4	1.495	2.488	5.0	19.6	168 E	42	67
5 6	14 25.94	− 2 21.4	1.487	2.474	6.2	19.6	165 E	43	66
5 16	14 15.17	− 2 10.9	1.490	2.444	10.1	19.8	155 E	43	66
5 26	14 5.87	− 2 18.3	1.518	2.413	14.2	19.9	144 E	43	66
6 5	13 58.91	− 2 44.1	1.565	2.382	17.9	20.1	134 E	42	67
6 15	13 54.77	− 3 27.6	1.629	2.350	21.1	20.2	124 E	42*	67
6 25	13 53.62	− 4 26.9	1.705	2.318	23.5	20.4	114 E	39*	68
7 5	13 55.38	− 5 39.2	1.787	2.285	25.4	20.5	106 E	36*	70
7 15	13 59.84	− 7 2.3	1.874	2.251	26.6	20.6	98 E	32*	71
7 25	14 6.77	− 8 33.8	1.962	2.217	27.3	20.7	90 E	29*	73
8 4	14 15.92	−10 11.5	2.049	2.183	27.5	20.8	84 E	25*	72*
8 14	14 27.10	−11 53.7	2.133	2.149	27.4	20.8	77 E	22*	69*
8 24	14 40.13	−13 38.6	2.212	2.114	26.9	20.9	71 E	20*	64*
9 3	14 54.89	−15 24.3	2.286	2.080	26.2	20.9	65 E	17*	59*
9 13	15 11.29	−17 9.3	2.354	2.045	25.2	20.9	60 E	15*	54*
9 23	15 29.26	−18 51.5	2.415	2.011	24.1	20.9	55 E	14*	49*
10 3	15 48.76	−20 29.2	2.469	1.977	22.7	20.8	50 E	12*	44*
10 13	16 9.75	−22 0.3	2.516	1.943	21.3	20.8	45 E	11*	39*
10 23	16 32.19	−23 22.7	2.555	1.910	19.8	20.7	40 E	10*	34*
11 2	16 56.02	−24 34.1	2.587	1.878	18.1	20.7	36 E	8*	30*
11 12	17 21.19	−25 32.4	2.613	1.847	16.4	20.6	32 E	7*	25*
11 22	17 47.58	−26 15.2	2.632	1.817	14.7	20.5	28 E	6*	21*
12 2	18 15.05	−26 40.5	2.645	1.788	12.9	20.4	24 E	5*	17*
12 12	18 43.43	−26 46.6	2.652	1.761	11.1	20.3	20 E	4*	13*
12 22	19 12.48	−26 32.2	2.655	1.736	9.4	20.2	17 E	2*	10*
1 1	19 42.00	−25 56.4	2.654	1.713	7.6	20.1	13 E	—	7*
1 11	20 11.75	−24 59.2	2.649	1.692	6.0	20.0	10 E	—	4*
1 21	20 41.48	−23 41.0	2.642	1.673	4.6	19.9	8 E	—	2*

357618 2005 EM_{30}

21/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
2 5	15 2.24	− 1 14.7	0.840	1.324	48.1	21.1	93 W	44	63*
2 10	15 8.17	− 4 36.2	0.763	1.300	49.1	20.9	95 W	40	67*
2 15	15 14.11	− 8 36.9	0.687	1.276	50.1	20.7	98 W	36	72*
2 20	15 20.17	−13 30.4	0.614	1.251	51.1	20.4	100 W	31	78
2 25	15 26.56	−19 34.4	0.545	1.226	52.1	20.1	102 W	25	84
2 27	15 29.28	−22 24.6	0.519	1.215	52.6	20.0	103 W	23	86
3 1	15 32.15	−25 31.0	0.494	1.205	53.1	19.9	103 W	19	90
3 3	15 35.21	−28 55.2	0.471	1.194	53.7	19.8	104 W	16	87
3 5	15 38.53	−32 38.3	0.449	1.184	54.4	19.7	104 W	12	83
3 7	15 42.19	−36 41.4	0.430	1.173	55.2	19.6	104 W	8	79
3 9	15 46.33	−41 4.6	0.412	1.162	56.1	19.5	104 W	4	75
3 11	15 51.12	−45 47.4	0.397	1.151	57.2	19.5	103 W	—	70
3 13	15 56.86	−50 47.9	0.385	1.140	58.4	19.4	102 W	—	65
3 15	16 4.03	−56 2.7	0.376	1.129	59.8	19.4	101 W	—	60
3 17	16 13.44	−61 27.2	0.370	1.118	61.4	19.4	100 W	—	55
3 18	16 19.42	−64 11.0	0.368	1.112	62.2	19.4	99 W	—	52
3 19	16 26.64	−66 54.6	0.367	1.107	63.0	19.4	98 W	—	49
3 20	16 35.56	−69 36.9	0.367	1.101	63.9	19.4	97 W	—	46
3 21	16 46.88	−72 16.6	0.368	1.096	64.8	19.4	96 W	—	44
3 22	17 1.73	−74 51.8	0.370	1.090	65.7	19.4	95 W	—	41
3 23	17 21.97	−77 20.4	0.372	1.084	66.6	19.5	93 W	—	39
3 24	17 50.75	−79 38.5	0.375	1.079	67.4	19.5	92 W	—	36*
3 25	18 33.35	−81 39.9	0.379	1.073	68.3	19.5	91 W	—	34*
3 26	19 36.95	−83 13.0	0.383	1.068	69.1	19.6	90 W	—	32*
3 27	21 3.68	−84 0.2	0.389	1.062	69.9	19.6	89 W	—	30*
3 28	22 36.22	−83 49.0	0.394	1.056	70.7	19.7	87 W	—	28*
3 29	23 50.26	−82 48.5	0.401	1.051	71.4	19.7	86 W	—	26*
3 30	0 40.89	−81 19.4	0.408	1.045	72.1	19.8	85 E	—	25*
3 31	1 14.69	−79 37.1	0.415	1.040	72.8	19.8	84 E	—	26*
4 1	1 37.97	−77 49.8	0.423	1.034	73.4	19.9	83 E	—	27*
4 2	1 54.68	−76 1.6	0.432	1.028	74.0	19.9	81 E	—	28*
4 3	2 7.16	−74 14.7	0.440	1.023	74.5	20.0	80 E	—	29*
4 4	2 16.79	−72 30.1	0.450	1.017	75.0	20.0	79 E	—	30*
4 5	2 24.44	−70 48.5	0.459	1.012	75.4	20.1	78 E	—	30*
4 6	2 30.64	−69 10.3	0.469	1.006	75.8	20.1	77 E	—	31*
4 7	2 35.77	−67 35.4	0.479	1.001	76.2	20.2	76 E	—	31*
4 8	2 40.08	−66 4.0	0.489	0.995	76.5	20.2	75 E	—	32*
4 9	2 43.75	−64 36.1	0.500	0.990	76.8	20.3	74 E	—	32*
4 10	2 46.92	−63 11.4	0.510	0.984	77.0	20.3	73 E	—	32*
4 11	2 49.67	−61 49.9	0.521	0.979	77.2	20.3	72 E	—	32*
4 12	2 52.08	−60 31.5	0.532	0.973	77.4	20.4	71 E	—	32*
4 13	2 54.21	−59 15.9	0.543	0.968	77.5	20.4	71 E	—	32*
4 14	2 56.10	−58 3.2	0.555	0.963	77.6	20.4	70 E	—	32*
4 15	2 57.78	−56 53.0	0.566	0.957	77.7	20.5	69 E	—	32*
4 16	2 59.30	−55 45.4	0.577	0.952	77.8	20.5	68 E	—	32*
4 18	3 1.89	−53 36.8	0.600	0.942	77.8	20.6	66 E	—	31*
4 20	3 4.01	−51 36.3	0.623	0.932	77.7	20.6	65 E	—	30*

357618 2005 EM_{30} *(continuation)*

2021	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
	h m	° ′			°	m	°	°	°
4 22	3 5.77	−49 42.9	0.646	0.922	77.6	20.7	64 E	—	30*
4 24	3 7.24	−47 55.6	0.669	0.912	77.4	20.7	62 E	—	29*
4 26	3 8.46	−46 13.6	0.691	0.902	77.1	20.8	61 E	—	28*
4 28	3 9.50	−44 36.1	0.713	0.893	76.7	20.8	60 E	—	26*
4 30	3 10.38	−43 2.4	0.735	0.884	76.3	20.8	59 E	—	25*
5 2	3 11.13	−41 31.8	0.756	0.875	75.9	20.9	57 E	—	24*
5 4	3 11.77	−40 3.9	0.777	0.867	75.4	20.9	56 E	—	22*
5 6	3 12.33	−38 38.1	0.797	0.859	74.9	20.9	55 E	—	21*
5 11	3 13.46	−35 10.3	0.846	0.841	73.6	20.9	53 E	—	17*
5 16	3 14.39	−31 47.7	0.889	0.825	72.2	21.0	51 W	—	19*
5 21	3 15.28	−28 25.9	0.928	0.813	70.7	21.0	49 W	—	22*
5 26	3 16.30	−25 1.5	0.962	0.804	69.3	21.0	48 W	—	25*
5 31	3 17.60	−21 32.2	0.991	0.799	68.0	21.0	47 W	—	29*
6 5	3 19.31	−17 56.5	1.014	0.798	66.9	21.0	46 W	—	32*
6 10	3 21.51	−14 13.6	1.032	0.801	65.9	21.0	46 W	—	35*
6 15	3 24.28	−10 22.9	1.044	0.807	65.1	21.0	46 W	—	38*
6 20	3 27.69	− 6 24.4	1.052	0.818	64.4	21.1	47 W	—	40*
6 25	3 31.78	− 2 18.1	1.056	0.831	63.9	21.1	47 W	1*	41*
6 30	3 36.60	+ 1 55.5	1.056	0.848	63.4	21.1	48 W	7*	42*
7 5	3 42.20	+ 6 16.1	1.053	0.867	63.1	21.1	49 W	14*	42*
7 10	3 48.61	+10 42.8	1.049	0.889	62.7	21.2	51 W	20*	41*
7 15	3 55.87	+15 15.1	1.042	0.912	62.3	21.2	53 W	26*	39*
7 20	4 4.04	+19 51.9	1.035	0.937	61.8	21.2	54 W	32*	37*
7 25	4 13.21	+24 32.1	1.028	0.963	61.2	21.3	56 W	38*	34*
7 30	4 23.50	+29 14.2	1.021	0.990	60.6	21.3	58 W	44*	30*
8 4	4 35.06	+33 56.6	1.016	1.018	59.9	21.3	60 W	49*	26*
8 9	4 48.06	+38 36.9	1.012	1.045	59.0	21.3	62 W	53*	22*
8 14	5 2.77	+43 12.8	1.010	1.073	58.1	21.4	64 W	57*	18*
8 19	5 19.51	+47 41.1	1.011	1.101	57.1	21.4	66 W	60*	14*
8 24	5 38.72	+51 58.7	1.014	1.129	56.0	21.4	68 W	62*	9*
8 29	6 0.94	+56 1.7	1.020	1.157	54.9	21.5	69 W	62*	5*
9 3	6 26.81	+59 46.1	1.028	1.184	53.7	21.5	71 W	61*	1*

161995 1983 *LB*

2021	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
2 5	15 9.81	+11 44.0	1.843	2.154	27.2	21.4	94 W	57	50*
2 15	15 23.18	+12 11.3	1.685	2.096	27.7	21.2	100 W	57	51*
2 25	15 35.31	+12 53.1	1.531	2.037	27.9	20.9	106 W	58	51
3 7	15 45.85	+13 48.7	1.383	1.977	27.8	20.6	112 W	59	50
3 17	15 54.29	+14 56.2	1.242	1.916	27.4	20.3	117 W	60	49
3 22	15 57.55	+15 33.3	1.174	1.885	27.1	20.1	120 W	61	48
3 27	16 0.06	+16 11.6	1.109	1.854	26.7	20.0	123 W	61	48
4 1	16 1.74	+16 50.4	1.046	1.823	26.3	19.8	126 W	62	47
4 6	16 2.49	+17 28.4	0.986	1.792	25.7	19.6	129 W	62	47
4 11	16 2.21	+18 4.2	0.928	1.761	25.2	19.4	132 W	63	46
4 16	16 0.80	+18 36.0	0.874	1.730	24.5	19.2	134 W	64	45
4 21	15 58.19	+19 1.3	0.822	1.699	23.9	19.0	137 W	64	45
4 26	15 54.32	+19 17.6	0.773	1.668	23.3	18.9	139 W	64	45
5 1	15 49.16	+19 21.9	0.728	1.638	22.9	18.7	141 W	64	45
5 6	15 42.71	+19 10.8	0.686	1.607	22.6	18.5	142 W	64	45
5 11	15 35.06	+18 40.6	0.648	1.577	22.6	18.3	143 W	64	45
5 16	15 26.37	+17 47.7	0.614	1.547	23.1	18.2	143 E	63	46
5 21	15 16.89	+16 28.8	0.584	1.518	24.0	18.1	142 E	61	48
5 26	15 6.93	+14 41.7	0.558	1.489	25.4	18.0	141 E	60	49
5 31	14 56.84	+12 25.3	0.537	1.460	27.3	17.9	139 E	57	52
6 5	14 46.97	+ 9 40.1	0.519	1.433	29.7	17.8	136 E	55	54
6 10	14 37.70	+ 6 27.8	0.506	1.406	32.4	17.8	132 E	51	58
6 15	14 29.34	+ 2 52.0	0.498	1.380	35.4	17.8	128 E	48	61
6 20	14 22.14	− 1 2.9	0.493	1.355	38.4	17.9	124 E	44	65
6 25	14 16.26	− 5 11.8	0.492	1.331	41.4	17.9	120 E	40*	69
6 30	14 11.77	− 9 29.7	0.494	1.309	44.4	18.0	116 E	34*	73
7 5	14 8.74	−13 51.9	0.499	1.288	47.1	18.0	112 E	29*	78
7 10	14 7.18	−18 14.9	0.507	1.269	49.6	18.1	108 E	24*	82
7 15	14 7.13	−22 35.6	0.517	1.252	51.7	18.2	105 E	18*	87
7 20	14 8.58	−26 51.9	0.529	1.237	53.6	18.2	102 E	13*	89
7 25	14 11.53	−31 2.0	0.542	1.223	55.1	18.3	99 E	8*	85
7 30	14 16.01	−35 4.7	0.557	1.212	56.3	18.4	97 E	4*	81*
8 4	14 22.12	−38 59.2	0.573	1.203	57.2	18.5	94 E	—	76*
8 9	14 30.02	−42 44.9	0.589	1.197	57.8	18.5	93 E	—	71*
8 14	14 39.91	−46 21.2	0.605	1.193	58.1	18.6	91 E	—	67*
8 19	14 52.06	−49 47.1	0.622	1.191	58.2	18.6	90 E	—	63*
8 24	15 6.79	−53 1.4	0.640	1.192	58.0	18.7	90 E	—	60*
8 29	15 24.56	−56 2.2	0.657	1.195	57.7	18.8	89 E	—	57*
9 3	15 45.89	−58 46.7	0.675	1.201	57.1	18.8	89 E	—	55*
9 5	15 55.54	−59 47.2	0.682	1.204	56.9	18.8	89 E	—	54*
9 7	16 5.88	−60 44.3	0.690	1.207	56.6	18.9	89 E	—	53*
9 9	16 16.93	−61 37.7	0.697	1.211	56.3	18.9	89 E	—	53*
9 11	16 28.70	−62 27.1	0.705	1.215	55.9	18.9	89 E	—	52*
9 13	16 41.20	−63 12.1	0.712	1.220	55.6	18.9	89 E	—	51*

161995 1983 *LB* *(continuation)*

21/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
	h m	° ′			°	m	°	°	°
9 18	17 15.53	−64 42.9	0.731	1.232	54.6	19.0	89 E	—	50*
9 23	17 53.58	−65 38.3	0.751	1.247	53.6	19.0	89 E	—	50*
9 28	18 33.86	−65 54.0	0.772	1.264	52.4	19.1	90 E	—	50*
10 3	19 14.29	−65 28.5	0.794	1.283	51.3	19.1	90 E	—	51
10 5	19 30.03	−65 7.0	0.803	1.291	50.8	19.2	91 E	—	51
10 7	19 45.36	−64 39.5	0.813	1.299	50.3	19.2	91 E	—	51
10 9	20 0.18	−64 6.3	0.822	1.307	49.8	19.2	91 E	—	52
10 11	20 14.42	−63 27.7	0.833	1.316	49.3	19.2	91 E	—	53
10 13	20 28.05	−62 44.1	0.843	1.325	48.8	19.3	92 E	—	53
10 15	20 41.04	−61 56.1	0.854	1.334	48.4	19.3	92 E	—	54
10 17	20 53.38	−61 3.9	0.865	1.343	47.9	19.3	92 E	—	55
10 19	21 5.08	−60 8.1	0.876	1.353	47.4	19.4	92 E	—	56
10 21	21 16.15	−59 8.9	0.888	1.362	46.9	19.4	92 E	—	57
10 23	21 26.62	−58 6.9	0.900	1.372	46.4	19.4	93 E	—	58
10 25	21 36.52	−57 2.4	0.913	1.382	45.9	19.5	93 E	—	59
10 27	21 45.88	−55 55.6	0.926	1.393	45.5	19.5	93 E	—	60
10 29	21 54.75	−54 46.9	0.940	1.403	45.0	19.5	93 E	—	61
10 31	22 3.16	−53 36.6	0.954	1.414	44.5	19.6	93 E	—	62
11 2	22 11.14	−52 25.0	0.968	1.424	44.1	19.6	93 E	—	64
11 4	22 18.73	−51 12.2	0.983	1.435	43.6	19.6	93 E	—	65
11 6	22 25.96	−49 58.6	0.999	1.446	43.2	19.7	93 E	—	66
11 8	22 32.86	−48 44.4	1.015	1.457	42.7	19.7	93 E	—	67
11 10	22 39.46	−47 29.6	1.032	1.469	42.3	19.7	93 E	—	69
11 12	22 45.78	−46 14.6	1.049	1.480	41.9	19.8	93 E	—	70
11 17	23 0.51	−43 6.8	1.094	1.509	40.9	19.9	93 E	2	73
11 22	23 13.95	−40 0.2	1.142	1.538	39.9	20.0	92 E	5	76
11 27	23 26.37	−36 56.4	1.194	1.568	39.0	20.1	91 E	8	79
12 2	23 37.97	−33 56.6	1.249	1.598	38.1	20.2	91 E	11	82*
12 7	23 48.92	−31 1.6	1.307	1.629	37.2	20.3	89 E	14	83*
12 12	23 59.34	−28 12.2	1.368	1.659	36.4	20.5	88 E	17	82*
12 17	0 9.34	−25 28.7	1.432	1.690	35.5	20.6	87 E	20	79*
12 22	0 18.98	−22 51.5	1.499	1.721	34.7	20.7	85 E	22	76*
12 27	0 28.34	−20 20.5	1.568	1.752	33.9	20.8	83 E	25	72*
1 1	0 37.48	−17 55.6	1.640	1.783	33.1	20.9	82 E	27	69*
1 6	0 46.44	−15 36.9	1.713	1.814	32.2	21.0	80 E	29	65*
1 11	0 55.25	−13 24.2	1.789	1.845	31.4	21.1	78 E	32	62*
1 16	1 3.95	−11 17.2	1.865	1.876	30.5	21.2	75 E	34	58*
1 21	1 12.55	− 9 15.9	1.943	1.907	29.6	21.3	73 E	36*	55*

485882 2012 FK_{35}

21/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
2 5	15 11.00	− 9 56.6	1.299	1.603	37.9	21.3	88 W	35	69*
2 10	15 20.14	−11 40.3	1.208	1.566	39.1	21.1	90 W	33	72*
2 15	15 29.72	−13 35.1	1.118	1.527	40.2	21.0	93 W	31	76*
2 20	15 39.91	−15 43.6	1.030	1.487	41.5	20.7	95 W	29	79*
2 25	15 50.94	−18 9.6	0.943	1.446	42.8	20.5	97 W	27	82*
3 2	16 3.15	−20 57.5	0.859	1.404	44.3	20.3	98 W	24	85
3 7	16 17.06	−24 12.8	0.778	1.360	46.0	20.1	100 W	21	88
3 12	16 33.43	−28 1.9	0.702	1.316	48.0	19.8	100 W	17	88
3 17	16 53.49	−32 31.1	0.631	1.270	50.4	19.6	100 W	12	83
3 19	17 2.97	−34 31.0	0.604	1.251	51.6	19.5	100 W	10	81
3 21	17 13.54	−36 38.0	0.579	1.233	52.8	19.4	100 W	8	79
3 23	17 25.43	−38 51.6	0.555	1.214	54.2	19.3	99 W	6	77
3 25	17 38.89	−41 11.1	0.533	1.195	55.8	19.2	98 W	4*	75
3 27	17 54.27	−43 34.9	0.512	1.175	57.4	19.2	97 W	1*	72
3 28	18 2.79	−44 47.7	0.503	1.166	58.3	19.1	96 W	—	71
3 29	18 11.94	−46 0.6	0.494	1.156	59.3	19.1	96 W	—	70*
3 30	18 21.77	−47 13.1	0.486	1.146	60.3	19.1	95 W	—	69*
3 31	18 32.33	−48 24.6	0.478	1.136	61.3	19.1	94 W	—	67*
4 1	18 43.68	−49 34.4	0.471	1.126	62.4	19.0	93 W	—	66*
4 2	18 55.86	−50 41.8	0.464	1.116	63.5	19.0	92 W	—	65*
4 3	19 8.90	−51 46.0	0.458	1.106	64.6	19.0	91 W	—	63*
4 4	19 22.83	−52 46.0	0.453	1.097	65.8	19.0	90 W	—	62*
4 5	19 37.66	−53 40.9	0.448	1.087	67.0	19.0	89 W	—	60*
4 6	19 53.34	−54 29.5	0.444	1.077	68.2	19.0	87 W	—	59*
4 7	20 9.82	−55 11.1	0.441	1.066	69.5	19.0	86 W	—	57*
4 8	20 27.01	−55 44.5	0.438	1.056	70.7	19.0	85 W	—	56*
4 9	20 44.77	−56 9.0	0.437	1.046	72.0	19.0	84 W	—	54*
4 10	21 2.91	−56 24.0	0.436	1.036	73.3	19.0	82 W	—	53*
4 11	21 21.26	−56 29.1	0.435	1.026	74.5	19.1	81 W	—	51*
4 12	21 39.58	−56 24.2	0.436	1.016	75.8	19.1	79 W	—	50*
4 13	21 57.67	−56 9.3	0.437	1.006	77.0	19.1	78 W	—	48*
4 14	22 15.33	−55 44.8	0.439	0.996	78.3	19.1	76 W	—	47*
4 15	22 32.40	−55 11.5	0.441	0.985	79.5	19.2	75 W	—	45*
4 16	22 48.73	−54 30.0	0.444	0.975	80.6	19.2	73 W	—	44*
4 17	23 4.24	−53 41.2	0.448	0.965	81.7	19.2	72 W	—	42*
4 18	23 18.86	−52 46.1	0.453	0.955	82.8	19.3	71 W	—	41*
4 19	23 32.58	−51 45.7	0.458	0.945	83.8	19.3	69 W	—	40*
4 20	23 45.39	−50 40.8	0.464	0.934	84.8	19.4	68 W	—	39*
4 21	23 57.32	−49 32.3	0.470	0.924	85.7	19.4	67 W	—	38*

485882 2012 FK_{35} *(continuation)*

2021	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
	h m	° ′			°	m	°	°	°
4 22	0 8.41	−48 21.0	0.477	0.914	86.5	19.4	65 W	—	37*
4 23	0 18.70	−47 7.7	0.484	0.904	87.3	19.5	64 W	—	36*
4 24	0 28.25	−45 52.8	0.492	0.894	88.1	19.5	63 W	—	35*
4 25	0 37.11	−44 37.0	0.501	0.884	88.7	19.6	61 W	—	34*
4 26	0 45.34	−43 20.7	0.509	0.874	89.3	19.6	60 W	—	33*
4 27	0 52.99	−42 4.2	0.519	0.864	89.9	19.6	59 W	—	32*
4 28	1 0.11	−40 47.8	0.528	0.854	90.4	19.7	58 W	—	32*
4 29	1 6.74	−39 31.7	0.538	0.844	90.8	19.7	57 W	—	31*
4 30	1 12.94	−38 16.2	0.549	0.834	91.1	19.7	56 W	—	30*
5 1	1 18.74	−37 1.4	0.560	0.824	91.4	19.8	55 W	—	30*
5 2	1 24.17	−35 47.4	0.571	0.814	91.7	19.8	54 W	—	29*
5 3	1 29.27	−34 34.2	0.582	0.805	91.8	19.8	53 W	—	29*
5 4	1 34.08	−33 21.9	0.594	0.795	92.0	19.8	52 W	—	29*
5 5	1 38.61	−32 10.5	0.606	0.786	92.0	19.8	51 W	—	28*
5 6	1 42.89	−31 0.1	0.618	0.776	92.0	19.9	50 W	—	28*
5 8	1 50.80	−28 41.8	0.643	0.758	91.8	19.9	49 W	—	28*
5 10	1 57.97	−26 26.9	0.669	0.740	91.4	19.9	47 W	—	27*
5 12	2 4.53	−24 15.1	0.695	0.723	90.8	19.9	46 W	—	27*
5 14	2 10.60	−22 5.9	0.722	0.706	90.0	19.9	44 W	—	27*
5 16	2 16.26	−19 59.0	0.750	0.691	89.0	19.9	43 W	—	27*
5 21	2 29.19	−14 49.2	0.822	0.656	85.6	19.9	40 W	—	27*
5 26	2 41.15	− 9 46.4	0.895	0.630	81.2	19.8	38 W	—	28*
5 31	2 52.90	− 4 48.2	0.970	0.613	76.0	19.7	36 W	—	28*
6 5	3 4.98	+ 0 5.1	1.043	0.608	70.3	19.7	34 W	—	28*
6 10	3 17.74	+ 4 51.1	1.114	0.614	64.6	19.7	33 W	—	27*
6 15	3 31.33	+ 9 26.1	1.182	0.631	59.2	19.7	32 W	3*	26*
6 20	3 45.80	+13 46.4	1.245	0.657	54.5	19.8	32 W	7*	25*
6 25	4 1.10	+17 49.3	1.305	0.692	50.5	19.9	32 W	10*	23*
7 5	4 33.89	+24 56.7	1.411	0.777	44.6	20.1	32 W	17*	20*
7 15	5 8.94	+30 45.1	1.501	0.875	40.9	20.4	34 W	23*	16*
7 25	5 45.45	+35 19.8	1.578	0.977	38.5	20.7	37 W	29*	13*
8 4	6 22.70	+38 49.5	1.643	1.078	36.9	20.9	40 W	33*	10*
8 14	6 59.92	+41 24.0	1.696	1.177	35.8	21.2	43 W	37*	8*
8 24	7 36.40	+43 13.5	1.738	1.271	35.1	21.4	46 W	40*	6*

162854 2001 DE_{47}

2021	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
2 5	15 25.08	+ 7 45.3	1.001	1.399	44.8	21.4	90 W	53	52*
2 15	15 47.20	+ 9 46.2	0.955	1.418	44.0	21.4	94 W	55	52*
2 25	16 6.79	+12 10.1	0.910	1.436	43.0	21.2	98 W	57	52*
3 7	16 23.39	+14 54.6	0.866	1.452	41.8	21.1	103 W	60	49
3 17	16 36.41	+17 56.2	0.824	1.466	40.4	21.0	107 W	63	46
3 27	16 45.17	+21 7.9	0.784	1.480	38.8	20.9	112 W	66	43
4 6	16 48.99	+24 19.9	0.748	1.491	37.0	20.7	116 W	69	40
4 16	16 47.15	+27 18.5	0.716	1.500	35.2	20.6	121 W	72	37
4 26	16 39.35	+29 43.7	0.691	1.508	33.4	20.5	124 W	75	34
5 1	16 33.32	+30 36.9	0.681	1.511	32.7	20.4	126 W	76	33
5 6	16 26.04	+31 13.4	0.673	1.514	32.0	20.4	127 W	76	33
5 11	16 17.73	+31 30.4	0.668	1.516	31.6	20.4	128 W	77	32
5 16	16 8.73	+31 25.9	0.664	1.518	31.3	20.4	129 W	76	33
5 21	15 59.42	+30 58.6	0.664	1.519	31.2	20.4	129 W	76	33
5 26	15 50.20	+30 8.5	0.666	1.520	31.4	20.4	129 E	75	34
5 31	15 41.43	+28 56.6	0.671	1.520	31.8	20.4	128 E	74	35
6 5	15 33.42	+27 24.5	0.679	1.520	32.4	20.4	127 E	72	37
6 10	15 26.42	+25 34.7	0.689	1.520	33.1	20.5	125 E	71	38
6 15	15 20.61	+23 29.9	0.702	1.519	34.0	20.6	123 E	68	41
6 20	15 16.08	+21 13.4	0.718	1.517	35.0	20.6	121 E	66	43
6 25	15 12.87	+18 48.2	0.736	1.515	36.0	20.7	119 E	64	45
6 30	15 10.93	+16 17.2	0.756	1.512	37.1	20.8	116 E	61	48
7 5	15 10.22	+13 42.5	0.779	1.509	38.1	20.9	114 E	59*	50
7 10	15 10.67	+11 6.3	0.803	1.506	39.0	21.0	111 E	56*	53
7 15	15 12.22	+ 8 30.2	0.830	1.502	39.9	21.1	108 E	53*	55
7 20	15 14.79	+ 5 55.6	0.857	1.498	40.7	21.1	106 E	49*	58
7 25	15 18.29	+ 3 23.5	0.886	1.493	41.5	21.2	103 E	46*	61
7 30	15 22.66	+ 0 54.8	0.917	1.488	42.1	21.3	101 E	43*	63
8 4	15 27.83	− 1 30.1	0.948	1.482	42.7	21.4	98 E	40*	66
8 9	15 33.77	− 3 50.7	0.979	1.476	43.1	21.5	96 E	38*	68

226201 2002 UH_{38}

2021	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
2 5	15 25.09	− 5 55.1	2.160	2.308	25.2	21.4	86 W	39	64*
2 15	15 35.46	− 4 48.3	2.066	2.343	24.9	21.4	93 W	40	67*
2 25	15 43.59	− 3 23.5	1.973	2.377	24.1	21.3	101 W	42	67
3 7	15 49.21	− 1 41.8	1.885	2.410	22.8	21.2	110 W	43	66
3 17	15 52.03	+ 0 15.2	1.805	2.443	21.0	21.1	119 W	45	64
3 27	15 51.86	+ 2 23.4	1.736	2.474	18.6	20.9	128 W	47	62
4 6	15 48.71	+ 4 36.8	1.684	2.505	16.0	20.8	136 W	50	59
4 16	15 42.78	+ 6 47.3	1.652	2.536	13.4	20.7	144 W	52	57
4 26	15 34.65	+ 8 44.9	1.643	2.565	11.3	20.6	150 W	54	55
5 6	15 25.19	+10 20.4	1.659	2.593	10.5	20.6	152 W	55	54
5 16	15 15.43	+11 26.8	1.700	2.621	11.4	20.7	149 E	56	53

226201 2002 UH_{38} *(continuation)*

21/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
	h m	° ′			°	m	°	°	°
5 26	15 6.44	+12 1.3	1.765	2.647	13.2	20.9	143 E	57	52
6 5	14 59.06	+12 5.0	1.851	2.673	15.4	21.1	136 E	57	52
6 15	14 53.80	+11 41.9	1.955	2.698	17.4	21.3	128 E	57	52

128451 2004 NC_{25}

21/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
2 5	15 26.20	−23 51.2	2.770	2.790	20.4	21.5	81 W	21	73*
2 15	15 35.56	−24 52.5	2.610	2.770	20.9	21.3	89 W	20	82*
2 25	15 43.38	−25 50.4	2.449	2.748	21.0	21.2	97 W	19	90
3 7	15 49.33	−26 44.9	2.291	2.726	20.6	21.0	105 W	18	89
3 17	15 53.03	−27 35.7	2.138	2.703	19.6	20.8	114 W	17	88
3 27	15 54.08	−28 21.9	1.995	2.679	18.1	20.6	124 W	17	88
4 6	15 52.16	−29 2.0	1.864	2.654	15.9	20.3	133 W	16	87
4 16	15 47.09	−29 33.3	1.751	2.628	13.0	20.1	144 W	15	86
4 26	15 38.98	−29 52.3	1.657	2.601	9.7	19.8	154 W	15	86
5 1	15 33.95	−29 56.2	1.620	2.587	7.9	19.7	159 W	15	86
5 6	15 28.40	−29 55.9	1.588	2.574	6.2	19.5	164 W	15	86
5 11	15 22.48	−29 51.2	1.564	2.559	4.8	19.4	168 W	15	86
5 16	15 16.35	−29 42.2	1.546	2.545	4.4	19.4	169 E	15	86
5 21	15 10.20	−29 29.1	1.535	2.531	5.2	19.4	167 E	16	87
5 26	15 4.22	−29 12.5	1.530	2.516	6.8	19.4	163 E	16	87
5 31	14 58.57	−28 53.2	1.532	2.501	8.7	19.5	158 E	16	87
6 5	14 53.40	−28 31.8	1.541	2.486	10.8	19.6	153 E	16	87
6 10	14 48.85	−28 9.4	1.555	2.471	12.8	19.7	147 E	17	88
6 15	14 45.03	−27 46.8	1.574	2.456	14.8	19.8	142 E	17	88
6 20	14 42.00	−27 25.1	1.599	2.440	16.6	19.8	137 E	18	89
6 25	14 39.80	−27 4.8	1.627	2.424	18.3	19.9	132 E	18*	89
7 5	14 37.96	−26 31.1	1.695	2.393	21.2	20.1	122 E	18*	89
7 15	14 39.43	−26 8.8	1.773	2.360	23.4	20.2	113 E	17*	90
7 25	14 44.02	−25 58.9	1.857	2.327	25.0	20.3	104 E	16*	90
8 4	14 51.39	−26 0.6	1.945	2.293	26.1	20.4	96 E	14*	90
8 14	15 1.29	−26 12.5	2.033	2.259	26.6	20.5	89 E	13*	83*
8 24	15 13.46	−26 32.5	2.120	2.225	26.8	20.6	82 E	12*	76*
9 3	15 27.65	−26 58.1	2.203	2.190	26.5	20.6	76 E	11*	69*
9 13	15 43.71	−27 26.7	2.282	2.155	26.0	20.6	70 E	10*	63*
9 23	16 1.49	−27 55.8	2.354	2.120	25.2	20.7	64 E	9*	58*
10 3	16 20.84	−28 22.7	2.421	2.085	24.2	20.6	59 E	9*	52*
10 13	16 41.66	−28 44.9	2.480	2.050	23.0	20.6	53 E	8*	47*
10 23	17 3.82	−28 59.9	2.532	2.015	21.7	20.6	48 E	8*	42*
11 2	17 27.18	−29 5.1	2.577	1.980	20.2	20.5	44 E	8*	38*
11 12	17 51.60	−28 58.5	2.614	1.946	18.7	20.5	39 E	8*	33*
11 22	18 16.91	−28 37.9	2.644	1.913	17.0	20.4	34 E	7*	28*
12 2	18 42.93	−28 1.8	2.667	1.881	15.3	20.3	30 E	7*	23*
12 12	19 9.48	−27 8.9	2.683	1.849	13.5	20.3	26 E	6*	19*
12 22	19 36.35	−25 58.3	2.694	1.819	11.7	20.2	22 E	6*	15*
1 1	20 3.37	−24 29.8	2.699	1.790	9.8	20.1	18 E	4*	11*
1 11	20 30.40	−22 43.4	2.699	1.763	8.0	19.9	14 E	3*	7*
1 21	20 57.29	−20 40.1	2.694	1.738	6.1	19.8	11 E	1*	4*

203387 2001 XK_{103}

21/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
2 5	15 28.40	−20 40.8	2.439	2.487	23.1	21.4	81 W	24	72*
2 15	15 40.20	−21 48.6	2.278	2.458	23.7	21.3	88 W	23	80*
2 25	15 50.75	−22 53.1	2.118	2.428	23.9	21.1	96 W	22	87*
3 7	15 59.72	−23 55.0	1.960	2.397	23.7	20.9	104 W	21	88
3 17	16 6.71	−24 54.7	1.808	2.365	23.0	20.6	112 W	20	89
3 27	16 11.23	−25 52.7	1.663	2.333	21.6	20.4	121 W	19	90
4 6	16 12.83	−26 48.9	1.529	2.301	19.5	20.1	130 W	18	89
4 16	16 11.04	−27 41.8	1.409	2.268	16.7	19.8	140 W	17	88
4 26	16 5.63	−28 29.0	1.306	2.234	13.0	19.5	150 W	17	88
5 6	15 56.73	−29 6.6	1.224	2.201	8.8	19.2	160 W	16	87
5 11	15 51.16	−29 20.3	1.192	2.184	6.7	19.0	165 W	16	87
5 16	15 45.04	−29 30.0	1.165	2.166	5.1	18.8	169 W	15	86
5 21	15 38.57	−29 35.4	1.145	2.149	4.6	18.8	170 E	15	86
5 26	15 31.99	−29 36.6	1.131	2.132	5.8	18.8	168 E	15	86
5 31	15 25.52	−29 33.8	1.124	2.115	7.9	18.8	163 E	15	86
6 5	15 19.39	−29 27.6	1.122	2.098	10.4	18.9	158 E	16	87
6 10	15 13.82	−29 18.7	1.125	2.080	12.9	19.0	153 E	16	87
6 15	15 9.00	−29 8.2	1.134	2.063	15.4	19.1	147 E	16	87
6 20	15 5.08	−28 57.1	1.148	2.046	17.8	19.2	142 E	16	87
6 25	15 2.14	−28 46.4	1.166	2.029	20.1	19.3	137 E	16	87
6 30	15 0.25	−28 36.8	1.187	2.012	22.2	19.4	132 E	16	87
7 5	14 59.42	−28 29.0	1.211	1.995	24.1	19.4	127 E	16*	88
7 15	15 0.96	−28 20.6	1.268	1.961	27.3	19.6	118 E	16*	88
7 25	15 6.55	−28 23.1	1.331	1.928	29.7	19.7	110 E	15*	88
8 4	15 15.81	−28 35.8	1.398	1.895	31.5	19.9	102 E	14*	87
8 14	15 28.39	−28 56.6	1.467	1.864	32.7	20.0	96 E	12*	87*
8 24	15 43.95	−29 22.8	1.536	1.833	33.5	20.0	90 E	12*	82*
9 3	16 2.15	−29 50.6	1.603	1.804	33.8	20.1	84 E	11*	77*
9 13	16 22.76	−30 16.4	1.669	1.776	33.8	20.2	79 E	11*	72*
9 23	16 45.51	−30 36.4	1.733	1.750	33.5	20.2	74 E	10*	67*

203387 2001 XK_{103} *(continuation)*

21/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
	h m	° ′			°	m	°	°	°
10 3	17 10.13	−30 46.7	1.795	1.725	33.0	20.2	70 E	11*	63*
10 13	17 36.36	−30 44.0	1.855	1.703	32.2	20.3	66 E	11*	59*
10 23	18 3.88	−30 25.2	1.912	1.684	31.3	20.3	62 E	12*	56*
11 2	18 32.37	−29 47.8	1.968	1.666	30.3	20.3	58 E	12*	52*
11 12	19 1.49	−28 50.1	2.022	1.652	29.1	20.3	54 E	13*	48*
11 22	19 30.89	−27 31.5	2.076	1.640	27.8	20.3	51 E	15*	44*
12 2	20 0.27	−25 52.0	2.128	1.632	26.4	20.3	47 E	16*	39*
12 12	20 29.38	−23 52.7	2.181	1.626	24.9	20.3	44 E	17*	35*
12 22	20 58.02	−21 35.2	2.234	1.624	23.4	20.3	41 E	18*	31*
1 1	21 26.06	−19 1.9	2.287	1.625	21.8	20.3	38 E	19*	26*
1 11	21 53.44	−16 15.5	2.340	1.630	20.1	20.3	35 E	19*	23*
1 21	22 20.14	−13 18.9	2.393	1.637	18.3	20.3	32 E	18*	19*

197615 2004 JQ_{26}

21/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
2 5	15 30.47	−15 15.5	1.866	1.986	29.4	21.4	82 W	30	69*
2 15	15 48.42	−16 32.9	1.729	1.956	30.3	21.3	88 W	28	75*
2 25	16 5.80	−17 44.8	1.594	1.926	30.9	21.1	93 W	27	81*
3 7	16 22.40	−18 52.5	1.463	1.896	31.1	20.8	99 W	26	83
3 17	16 37.89	−19 57.3	1.336	1.868	30.9	20.6	106 W	25	84
3 27	16 51.87	−21 1.2	1.216	1.841	30.1	20.4	112 W	24	85
4 6	17 3.93	−22 6.9	1.103	1.814	28.8	20.1	119 W	23	86
4 16	17 13.48	−23 17.0	0.999	1.790	26.8	19.8	127 W	22	87
4 26	17 19.94	−24 34.3	0.907	1.766	23.9	19.4	135 W	20	89
5 6	17 22.77	−26 0.5	0.827	1.745	20.0	19.1	144 W	19	90
5 16	17 21.53	−27 34.8	0.761	1.725	15.3	18.7	153 W	17	88
5 21	17 19.39	−28 23.7	0.735	1.716	12.6	18.6	158 W	17	88
5 26	17 16.34	−29 12.7	0.713	1.708	9.9	18.4	163 W	16	87
5 31	17 12.50	−30 0.6	0.696	1.700	7.3	18.2	168 W	15	86
6 5	17 8.04	−30 46.3	0.683	1.693	5.4	18.1	171 W	14	85
6 10	17 3.23	−31 28.6	0.676	1.686	5.2	18.0	171 E	14	85
6 15	16 58.35	−32 6.7	0.673	1.680	7.0	18.1	168 E	13	84
6 20	16 53.73	−32 39.9	0.675	1.675	9.7	18.2	164 E	12	83
6 25	16 49.66	−33 8.2	0.681	1.670	12.6	18.3	159 E	12	83
6 30	16 46.37	−33 31.6	0.692	1.666	15.5	18.5	154 E	11	82
7 5	16 44.08	−33 50.7	0.707	1.663	18.3	18.6	149 E	11	82
7 10	16 42.92	−34 5.9	0.725	1.660	20.9	18.7	144 E	11	82
7 15	16 43.01	−34 17.9	0.747	1.659	23.3	18.9	140 E	11	82
7 25	16 47.00	−34 34.6	0.799	1.657	27.3	19.1	132 E	10	81
8 4	16 55.78	−34 43.5	0.860	1.658	30.4	19.4	124 E	10	81
8 14	17 8.82	−34 45.3	0.931	1.662	32.7	19.6	117 E	10*	81
8 19	17 16.73	−34 43.4	0.968	1.665	33.6	19.7	114 E	10*	81
8 24	17 25.43	−34 39.2	1.008	1.669	34.3	19.9	112 E	10*	81
8 29	17 34.82	−34 32.6	1.049	1.673	34.9	20.0	109 E	10*	81
9 3	17 44.84	−34 23.3	1.091	1.679	35.3	20.1	106 E	11*	82
9 8	17 55.39	−34 11.2	1.135	1.684	35.6	20.2	104 E	11*	82
9 13	18 6.40	−33 55.9	1.180	1.691	35.7	20.3	101 E	11*	82
9 18	18 17.80	−33 37.4	1.226	1.698	35.8	20.4	99 E	11*	82
9 23	18 29.50	−33 15.4	1.274	1.705	35.8	20.4	96 E	12*	83
9 28	18 41.45	−32 49.9	1.322	1.714	35.7	20.5	94 E	12*	83*
10 3	18 53.57	−32 20.9	1.372	1.722	35.5	20.6	92 E	13*	83*
10 8	19 5.84	−31 48.2	1.423	1.732	35.2	20.7	89 E	13	82*
10 13	19 18.20	−31 11.9	1.475	1.742	34.9	20.8	87 E	14	81*
10 18	19 30.59	−30 32.1	1.528	1.752	34.5	20.9	85 E	14	79*
10 23	19 42.98	−29 48.9	1.582	1.763	34.1	20.9	83 E	15	77*
10 28	19 55.34	−29 2.4	1.637	1.774	33.6	21.0	81 E	16	75*
11 2	20 7.63	−28 12.7	1.692	1.786	33.0	21.1	79 E	17	73*
11 7	20 19.85	−27 20.0	1.749	1.798	32.4	21.2	77 E	18	70*
11 12	20 31.96	−26 24.5	1.805	1.810	31.8	21.2	74 E	19	67*
11 17	20 43.96	−25 26.3	1.863	1.823	31.1	21.3	72 E	20*	65*
11 22	20 55.82	−24 25.7	1.921	1.836	30.4	21.3	70 E	21*	62*
11 27	21 7.54	−23 22.8	1.979	1.850	29.6	21.4	68 E	22*	59*
12 2	21 19.12	−22 18.0	2.037	1.864	28.8	21.5	66 E	23*	56*

325102 2008 EY_5

21/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
2 5	15 41.26	−28 54.4	0.561	1.015	70.9	21.4	77 W	16	70*
2 10	15 56.35	−30 9.0	0.527	1.018	71.5	21.3	78 W	15	72*
2 15	16 13.64	−31 25.3	0.491	1.018	72.5	21.1	79 W	14*	73*
2 20	16 33.84	−32 42.0	0.455	1.012	74.0	21.0	80 W	12*	73*
2 25	16 57.91	−33 55.8	0.418	1.003	76.2	20.9	80 W	11*	73*
3 2	17 27.16	−35 0.0	0.383	0.988	79.3	20.8	78 W	9*	71*
3 7	18 3.06	−35 41.4	0.349	0.969	83.5	20.7	76 W	8*	68*
3 12	18 46.85	−35 36.9	0.320	0.945	89.1	20.6	72 W	6*	64*
3 17	19 38.41	−34 13.2	0.298	0.917	96.4	20.7	66 W	5*	58*
3 22	20 34.96	−30 58.8	0.286	0.883	105.1	21.0	59 W	3*	51*
3 27	21 31.19	−25 50.5	0.287	0.843	114.5	21.5	50 W	2*	43*

380161 2000 LD_{16}

21/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
2 5	15 49.00	−23 58.4	2.256	2.230	25.4	21.5	76 W	21*	68*
2 15	16 7.16	−24 47.8	2.084	2.174	26.7	21.3	82 W	20	75*
2 25	16 25.28	−25 28.4	1.914	2.118	27.8	21.1	88 W	20	81*
3 7	16 43.23	−25 59.4	1.746	2.061	28.7	20.8	94 W	19	88*

380161 2000 LD_{16} *(continuation)*

21/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
	h m	° ′			°	m	°	°	°
3 17	17 0.83	−26 20.1	1.583	2.005	29.3	20.6	100 W	19	90
3 27	17 17.86	−26 29.7	1.425	1.948	29.5	20.3	106 W	19	90
4 6	17 34.09	−26 27.6	1.275	1.892	29.4	20.0	112 W	19	90
4 16	17 49.20	−26 12.8	1.134	1.836	28.8	19.7	118 W	19	90
4 21	17 56.21	−26 0.4	1.067	1.809	28.2	19.5	122 W	19	90
4 26	18 2.81	−25 44.5	1.002	1.782	27.5	19.3	125 W	19	90
5 1	18 8.94	−25 25.0	0.940	1.755	26.7	19.1	129 W	20	89
5 6	18 14.55	−25 1.6	0.882	1.728	25.7	18.9	132 W	20	89
5 16	18 23.92	−24 2.5	0.773	1.677	23.0	18.5	140 W	21	88
5 26	18 30.53	−22 45.9	0.679	1.627	19.5	18.0	148 W	22	87
6 5	18 34.13	−21 10.6	0.598	1.581	15.0	17.5	156 W	24	85
6 15	18 34.72	−19 16.7	0.534	1.538	9.8	17.0	165 W	26	83
6 20	18 34.08	−18 13.8	0.507	1.517	7.2	16.8	169 W	27	82
6 25	18 33.01	−17 7.9	0.485	1.498	5.1	16.5	172 W	28	81
6 30	18 31.67	−16 0.2	0.467	1.481	5.0	16.4	173 E	29	80
7 5	18 30.27	−14 52.1	0.452	1.464	6.9	16.4	170 E	30	79
7 10	18 29.05	−13 45.3	0.441	1.449	9.9	16.5	166 E	31	78
7 15	18 28.29	−12 41.6	0.434	1.435	13.1	16.5	161 E	32	77
7 20	18 28.22	−11 42.2	0.431	1.423	16.3	16.6	157 E	33	76
7 25	18 29.03	−10 48.5	0.431	1.412	19.4	16.7	153 E	34	75
7 30	18 30.85	−10 1.2	0.433	1.403	22.3	16.8	148 E	35	74
8 4	18 33.79	− 9 20.8	0.438	1.395	24.9	16.9	145 E	36	73
8 14	18 43.19	− 8 19.9	0.457	1.385	29.5	17.1	138 E	37	72
8 24	18 57.22	− 7 41.3	0.484	1.383	32.9	17.3	132 E	37	72
9 3	19 15.21	− 7 17.5	0.521	1.388	35.3	17.5	127 E	38	71
9 8	19 25.45	− 7 8.6	0.542	1.393	36.2	17.7	125 E	38	71
9 13	19 36.39	− 7 0.4	0.566	1.400	36.9	17.8	123 E	38	71
9 18	19 47.91	− 6 51.9	0.592	1.408	37.4	17.9	122 E	38	71
9 23	19 59.87	− 6 42.4	0.620	1.418	37.9	18.0	120 E	38	71
10 3	20 24.74	− 6 17.9	0.685	1.443	38.3	18.3	117 E	39	70
10 13	20 50.32	− 5 43.5	0.760	1.474	38.4	18.6	113 E	39	70
10 23	21 16.04	− 4 57.1	0.846	1.510	38.2	18.9	110 E	40	69
11 2	21 41.46	− 3 58.8	0.942	1.551	37.8	19.1	107 E	41	68
11 12	22 6.37	− 2 49.5	1.049	1.595	37.2	19.4	103 E	42	67*
11 22	22 30.63	− 1 30.3	1.165	1.643	36.4	19.7	99 E	43	65*
12 2	22 54.18	− 0 3.4	1.292	1.693	35.5	20.0	95 E	45	61*
12 12	23 17.05	+ 1 29.6	1.426	1.745	34.3	20.2	91 E	46	57*
12 22	23 39.29	+ 3 6.9	1.568	1.799	33.1	20.4	86 E	48	52*
1 1	0 0.95	+ 4 46.7	1.716	1.854	31.7	20.7	82 E	50	47*
1 11	0 22.12	+ 6 27.5	1.868	1.909	30.2	20.9	77 E	51*	43*
1 21	0 42.87	+ 8 7.9	2.024	1.966	28.5	21.1	72 E	52*	39*

372325 2009 AV_{15}

21/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
2 5	15 49.25	−25 16.8	1.706	1.744	33.2	21.5	76 W	20*	68*
2 15	16 9.86	−26 56.8	1.628	1.763	33.6	21.4	81 W	18	75*
2 25	16 29.09	−28 26.6	1.548	1.783	33.6	21.3	86 W	17	80*
3 7	16 46.59	−29 47.8	1.467	1.804	33.3	21.2	92 W	15	85*
3 17	17 1.84	−31 2.1	1.387	1.826	32.6	21.1	99 W	14	85
3 27	17 14.30	−32 11.5	1.308	1.849	31.3	21.0	106 W	13	84
4 6	17 23.39	−33 17.4	1.232	1.871	29.4	20.8	113 W	12	83
4 16	17 28.44	−34 20.2	1.162	1.895	26.7	20.6	122 W	11	82
4 26	17 28.90	−35 18.3	1.101	1.918	23.3	20.4	131 W	10	81
5 6	17 24.52	−36 7.5	1.052	1.942	19.1	20.2	141 W	9	80
5 11	17 20.55	−36 26.7	1.033	1.954	16.8	20.1	146 W	9	80
5 16	17 15.52	−36 41.0	1.019	1.965	14.4	20.0	151 W	8	79
5 21	17 9.62	−36 49.4	1.009	1.977	12.0	19.9	156 W	8	79
5 26	17 3.06	−36 51.3	1.005	1.989	9.8	19.8	161 W	8	79
5 31	16 56.12	−36 46.2	1.006	2.001	8.0	19.8	164 W	8	79
6 5	16 49.08	−36 34.3	1.013	2.012	7.0	19.8	166 E	8	79
6 10	16 42.23	−36 16.0	1.026	2.024	7.4	19.8	165 E	9	80
6 15	16 35.84	−35 52.3	1.044	2.036	8.7	19.9	162 E	9	80
6 20	16 30.16	−35 24.3	1.068	2.047	10.6	20.1	158 E	10	81
6 25	16 25.36	−34 53.5	1.098	2.058	12.7	20.2	154 E	10	81
6 30	16 21.53	−34 21.2	1.132	2.070	14.8	20.4	149 E	11	82
7 5	16 18.73	−33 48.6	1.171	2.081	16.7	20.5	144 E	11	82
7 10	16 16.98	−33 16.6	1.215	2.092	18.6	20.7	139 E	12	83
7 15	16 16.28	−32 46.2	1.262	2.103	20.2	20.8	134 E	12	83
7 20	16 16.58	−32 17.9	1.313	2.114	21.7	21.0	130 E	13	84
7 25	16 17.82	−31 52.0	1.368	2.125	22.9	21.1	125 E	13*	84
7 30	16 19.93	−31 28.5	1.424	2.135	24.0	21.2	121 E	13*	85
8 4	16 22.83	−31 7.6	1.484	2.146	24.9	21.4	117 E	14*	85
8 9	16 26.48	−30 48.9	1.545	2.156	25.6	21.5	113 E	14*	85

83988 2002 LC_{34}

21/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
2 5	15 57.58	−13 12.5	2.599	2.550	22.1	21.5	76 W	32*	62*
2 15	16 9.67	−13 22.8	2.450	2.533	22.8	21.4	83 W	32	69*
2 25	16 20.49	−13 23.8	2.299	2.515	23.2	21.2	91 W	32	75*
3 7	16 29.77	−13 15.8	2.149	2.496	23.2	21.0	98 W	32	77

83988 2002 LC_{34} *(continuation)*

21/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
	h m	° ′			°	m	°	°	°
3 17	16 37.18	−12 59.2	2.002	2.476	22.7	20.9	107 W	32	77
3 27	16 42.34	−12 34.6	1.860	2.455	21.6	20.6	115 W	32	77
4 6	16 44.93	−12 3.1	1.727	2.434	19.9	20.4	124 W	33	76
4 16	16 44.59	−11 26.0	1.606	2.412	17.5	20.2	134 W	34	75
4 26	16 41.16	−10 45.8	1.501	2.389	14.4	19.9	144 W	34	75
5 6	16 34.70	−10 5.1	1.415	2.365	10.7	19.6	154 W	35	74
5 16	16 25.62	− 9 27.9	1.352	2.340	7.0	19.3	164 W	36	73
5 21	16 20.37	− 9 12.0	1.330	2.327	5.6	19.2	167 W	36	73
5 26	16 14.84	− 8 58.7	1.314	2.315	5.3	19.2	168 W	36	73
5 31	16 9.20	− 8 48.4	1.305	2.302	6.2	19.2	166 E	36	73
6 5	16 3.60	− 8 41.6	1.302	2.289	7.9	19.2	162 E	36	73
6 15	15 53.24	− 8 39.9	1.314	2.262	12.2	19.4	152 E	36	73
6 25	15 44.98	− 8 55.1	1.348	2.235	16.5	19.6	141 E	36	73
7 5	15 39.60	− 9 26.6	1.400	2.207	20.3	19.8	131 E	36	73
7 15	15 37.48	−10 12.6	1.466	2.178	23.4	19.9	122 E	35*	74
7 25	15 38.69	−11 10.3	1.541	2.150	25.8	20.1	113 E	33*	75
8 4	15 43.03	−12 16.7	1.623	2.121	27.6	20.2	105 E	31*	76
8 14	15 50.29	−13 29.1	1.708	2.091	28.7	20.3	97 E	29*	77
8 24	16 0.19	−14 44.6	1.793	2.061	29.4	20.4	90 E	27*	78*
9 3	16 12.47	−16 0.6	1.877	2.032	29.6	20.5	84 E	25*	75*
9 13	16 26.90	−17 14.9	1.959	2.002	29.4	20.6	78 E	23*	70*
9 23	16 43.30	−18 24.9	2.037	1.972	28.9	20.6	72 E	22*	65*
10 3	17 1.49	−19 28.5	2.111	1.943	28.2	20.6	67 E	21*	60*
10 13	17 21.33	−20 23.5	2.179	1.914	27.2	20.6	61 E	20*	54*
10 23	17 42.64	−21 7.9	2.242	1.885	26.1	20.6	56 E	19*	49*
11 2	18 5.29	−21 39.7	2.300	1.857	24.8	20.6	52 E	18*	44*
11 12	18 29.12	−21 57.2	2.352	1.830	23.4	20.6	47 E	18*	39*
11 22	18 53.95	−21 58.9	2.397	1.804	21.9	20.5	43 E	17*	34*
12 2	19 19.60	−21 43.7	2.438	1.779	20.3	20.5	39 E	16*	29*
12 12	19 45.89	−21 10.8	2.473	1.755	18.6	20.4	35 E	16*	25*
12 22	20 12.63	−20 19.9	2.503	1.733	16.9	20.4	31 E	15*	20*
1 1	20 39.65	−19 11.4	2.528	1.712	15.2	20.3	27 E	13*	16*
1 11	21 6.81	−17 45.8	2.549	1.693	13.4	20.3	23 E	12*	13*
1 21	21 33.98	−16 4.4	2.567	1.677	11.6	20.2	20 E	10*	10*

73735 1993 QE_3

21/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
2 5	16 9.56	−17 57.5	2.372	2.276	24.4	21.4	72 W	27*	62*
2 15	16 25.65	−18 26.3	2.227	2.250	25.5	21.3	79 W	26*	69*
2 25	16 40.97	−18 46.3	2.079	2.224	26.3	21.1	85 W	26*	76*
3 7	16 55.29	−18 57.8	1.932	2.197	26.8	20.9	92 W	26	81*
3 17	17 8.31	−19 1.4	1.786	2.170	27.0	20.8	99 W	26	83
3 27	17 19.69	−18 57.9	1.643	2.142	26.6	20.5	106 W	26	83
4 6	17 29.05	−18 48.4	1.506	2.114	25.8	20.3	113 W	26	83
4 16	17 35.95	−18 34.4	1.377	2.085	24.2	20.0	122 W	26	83
4 26	17 39.92	−18 17.4	1.257	2.056	21.9	19.7	130 W	27	82
5 6	17 40.56	−17 59.2	1.150	2.028	18.8	19.4	140 W	27	82
5 16	17 37.57	−17 41.6	1.058	1.999	14.7	19.0	150 W	27	82
5 26	17 31.06	−17 26.4	0.985	1.970	9.8	18.7	161 W	28	81
6 5	17 21.66	−17 15.2	0.933	1.942	4.6	18.3	171 W	28	81
6 10	17 16.23	−17 11.6	0.915	1.927	3.1	18.1	174 W	28	81
6 15	17 10.59	−17 9.7	0.902	1.913	4.3	18.2	172 E	28	81
6 20	17 4.99	−17 9.8	0.896	1.899	6.9	18.3	167 E	28	81
6 25	16 59.66	−17 11.9	0.894	1.886	9.9	18.4	161 E	28	81
6 30	16 54.82	−17 16.4	0.898	1.872	12.9	18.5	156 E	28	81
7 5	16 50.65	−17 23.4	0.907	1.859	15.8	18.6	150 E	28	81
7 15	16 44.95	−17 45.1	0.937	1.832	21.1	18.8	139 E	27	82
7 25	16 43.37	−18 16.7	0.980	1.807	25.6	19.0	130 E	27	82
8 4	16 46.08	−18 56.6	1.034	1.782	29.2	19.2	121 E	26*	83
8 14	16 52.93	−19 41.8	1.095	1.759	32.0	19.4	113 E	25*	84
8 24	17 3.57	−20 29.1	1.161	1.738	34.0	19.5	106 E	24*	84
9 3	17 17.55	−21 14.8	1.231	1.717	35.4	19.7	100 E	23*	85
9 13	17 34.47	−21 55.2	1.302	1.699	36.2	19.8	94 E	22*	85*
9 23	17 53.93	−22 26.9	1.374	1.683	36.6	19.9	89 E	22*	82*
10 3	18 15.51	−22 46.6	1.446	1.669	36.6	20.0	84 E	22*	77*
10 13	18 38.87	−22 51.7	1.519	1.657	36.3	20.1	79 E	22*	73*
10 23	19 3.63	−22 40.0	1.592	1.647	35.7	20.2	75 E	22*	68*
11 2	19 29.42	−22 10.0	1.665	1.640	34.9	20.2	71 E	22*	63*
11 12	19 55.94	−21 21.0	1.738	1.635	34.0	20.3	67 E	23*	58*
11 22	20 22.85	−20 13.1	1.812	1.633	32.8	20.3	64 E	24*	54*
12 2	20 49.90	−18 46.9	1.885	1.634	31.5	20.4	60 E	25*	49*
12 12	21 16.89	−17 3.8	1.959	1.637	30.1	20.4	57 E	27*	44*
12 22	21 43.65	−15 5.9	2.034	1.643	28.6	20.5	53 E	28*	39*
1 1	22 10.06	−12 55.3	2.108	1.652	27.0	20.5	50 E	28*	34*
1 11	22 36.09	−10 34.6	2.183	1.663	25.3	20.6	46 E	29*	30*
1 21	23 1.71	− 8 6.3	2.257	1.676	23.6	20.6	43 E	28*	26*

242188 2003 MO_2

21/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
	h m	° ′			°	m	°	°	°
2 5	16 16.46	−14 56.1	2.231	2.131	26.0	21.5	71 W	30*	59*
2 15	16 35.42	−15 13.7	2.088	2.097	27.3	21.3	77 W	30*	65*
2 25	16 54.00	−15 19.7	1.945	2.062	28.4	21.2	82 W	30*	71*
3 7	17 12.06	−15 13.9	1.804	2.029	29.3	21.0	88 W	30*	76*
3 17	17 29.36	−14 56.7	1.665	1.995	29.8	20.8	94 W	30*	79*
3 27	17 45.64	−14 28.9	1.530	1.962	30.1	20.6	100 W	30*	78
4 6	18 0.62	−13 51.6	1.401	1.930	29.9	20.4	106 W	31*	78
4 16	18 13.96	−13 6.6	1.278	1.899	29.3	20.1	112 W	32	77
4 26	18 25.26	−12 16.8	1.162	1.868	28.2	19.8	119 W	33	76
5 6	18 34.16	−11 25.5	1.056	1.840	26.4	19.5	126 W	34	75
5 16	18 40.19	−10 37.3	0.960	1.812	23.8	19.2	134 W	34	75
5 21	18 42.01	−10 16.1	0.917	1.799	22.3	19.1	138 W	35	74
5 26	18 43.01	− 9 58.0	0.877	1.786	20.5	18.9	142 W	35	74
5 31	18 43.17	− 9 43.5	0.840	1.774	18.6	18.7	146 W	35	74
6 5	18 42.49	− 9 33.7	0.807	1.763	16.5	18.6	150 W	35	74
6 10	18 40.99	− 9 29.3	0.779	1.752	14.2	18.4	155 W	36	73
6 15	18 38.77	− 9 31.0	0.754	1.741	12.0	18.2	159 W	35	74
6 25	18 32.69	− 9 54.7	0.718	1.722	8.3	17.9	166 W	35	74
7 5	18 25.57	−10 45.5	0.701	1.705	8.3	17.9	166 E	34	75
7 15	18 19.13	−12 0.1	0.702	1.691	12.4	18.0	159 E	33	76
7 20	18 16.72	−12 44.2	0.709	1.685	14.9	18.1	155 E	32	77
7 25	18 15.10	−13 31.3	0.720	1.679	17.5	18.2	150 E	31	78
7 30	18 14.37	−14 20.3	0.735	1.675	20.0	18.4	146 E	31	78
8 4	18 14.63	−15 10.0	0.754	1.671	22.3	18.5	141 E	30	79
8 9	18 15.93	−15 59.5	0.776	1.668	24.5	18.6	137 E	29	80
8 14	18 18.30	−16 47.9	0.802	1.666	26.5	18.7	133 E	28	81
8 24	18 26.17	−18 17.9	0.860	1.663	29.7	19.0	125 E	27	82
9 3	18 37.85	−19 35.0	0.928	1.664	32.2	19.2	118 E	25	84
9 13	18 52.84	−20 35.3	1.004	1.669	33.9	19.4	112 E	24	85
9 23	19 10.55	−21 16.4	1.087	1.676	35.0	19.6	107 E	24	85
10 3	19 30.36	−21 36.8	1.176	1.686	35.6	19.8	101 E	23	86
10 13	19 51.75	−21 35.9	1.271	1.699	35.7	20.0	96 E	23	86*
10 18	20 2.88	−21 27.5	1.320	1.707	35.6	20.1	94 E	24	84*
10 23	20 14.21	−21 14.0	1.371	1.715	35.5	20.2	92 E	24	82*
10 28	20 25.69	−20 55.5	1.422	1.724	35.2	20.3	89 E	24	80*
11 2	20 37.29	−20 32.2	1.475	1.733	34.9	20.4	87 E	24	78*
11 7	20 48.97	−20 4.3	1.529	1.743	34.5	20.5	85 E	25	75*
11 12	21 0.69	−19 31.9	1.583	1.754	34.0	20.5	82 E	25	72*
11 17	21 12.41	−18 55.4	1.639	1.765	33.5	20.6	80 E	26	69*
11 22	21 24.12	−18 15.1	1.695	1.777	32.9	20.7	78 E	27	67*
11 27	21 35.78	−17 31.2	1.752	1.789	32.3	20.7	76 E	27	64*
12 2	21 47.38	−16 44.1	1.810	1.802	31.7	20.8	74 E	28	61*
12 7	21 58.91	−15 53.9	1.868	1.815	31.0	20.9	72 E	29	58*
12 12	22 10.37	−15 1.0	1.926	1.829	30.3	20.9	69 E	30*	55*
12 17	22 21.73	−14 5.7	1.985	1.843	29.5	21.0	67 E	31*	52*
12 22	22 32.98	−13 8.4	2.044	1.857	28.7	21.1	65 E	32*	49*
12 27	22 44.14	−12 9.2	2.104	1.872	27.9	21.1	63 E	32*	46*
1 1	22 55.20	−11 8.4	2.163	1.887	27.0	21.2	61 E	33*	43*
1 6	23 6.17	−10 6.3	2.222	1.902	26.1	21.2	58 E	33*	41*
1 11	23 17.03	− 9 3.2	2.281	1.918	25.2	21.3	56 E	33*	38*
1 16	23 27.80	− 7 59.2	2.339	1.934	24.3	21.3	54 E	33*	36*
1 21	23 38.47	− 6 54.8	2.398	1.950	23.4	21.4	52 E	33*	34*

302366 2002 CJ_{10}

21/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
2 5	16 19.39	+ 0 21.9	3.132	3.021	18.3	21.4	74 W	45*	50*
2 15	16 29.01	+ 0 50.7	2.978	2.998	19.0	21.3	82 W	46*	56*
2 25	16 37.39	+ 1 30.5	2.821	2.973	19.4	21.2	89 W	47*	60*
3 7	16 44.32	+ 2 20.8	2.665	2.947	19.5	21.1	97 W	47	62*
3 17	16 49.49	+ 3 20.9	2.511	2.920	19.3	20.9	104 W	48	61
3 27	16 52.64	+ 4 28.9	2.363	2.892	18.6	20.7	112 W	49	60
4 6	16 53.50	+ 5 42.5	2.224	2.863	17.6	20.5	120 W	51	58
4 16	16 51.83	+ 6 58.0	2.097	2.832	16.1	20.3	128 W	52	57
4 21	16 50.00	+ 7 34.9	2.040	2.816	15.3	20.2	132 W	53	56
4 26	16 47.52	+ 8 10.2	1.987	2.800	14.4	20.1	136 W	53	56
5 1	16 44.40	+ 8 43.1	1.939	2.784	13.6	20.0	140 W	54	55
5 6	16 40.68	+ 9 12.7	1.896	2.768	12.7	20.0	143 W	54	55
5 11	16 36.40	+ 9 38.1	1.859	2.751	12.0	19.9	145 W	55	54
5 16	16 31.65	+ 9 58.4	1.827	2.733	11.5	19.8	147 W	55	54
5 21	16 26.52	+10 12.8	1.802	2.716	11.3	19.7	148 W	55	54
5 26	16 21.12	+10 20.5	1.782	2.698	11.3	19.7	148 W	55	54
6 5	16 10.05	+10 14.5	1.762	2.662	12.4	19.7	146 E	55	54
6 15	15 59.47	+ 9 38.6	1.765	2.624	14.4	19.7	140 E	55	54
6 25	15 50.40	+ 8 34.7	1.789	2.586	16.9	19.8	132 E	54	55
7 5	15 43.53	+ 7 7.2	1.831	2.546	19.3	19.9	124 E	52	57
7 10	15 41.08	+ 6 16.3	1.858	2.525	20.4	20.0	120 E	51	58
7 15	15 39.31	+ 5 21.5	1.888	2.505	21.4	20.0	116 E	50*	59

302366 2002 CJ_{10} *(continuation)*

21/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
	h m	° ′			°	m	°	°	°
7 20	15 38.25	+ 4 23.6	1.921	2.484	22.3	20.1	112 E	49*	60
7 25	15 37.90	+ 3 23.2	1.955	2.463	23.1	20.1	108 E	47*	61
8 4	15 39.23	+ 1 17.2	2.029	2.420	24.4	20.2	100 E	44*	63
8 14	15 43.18	− 0 52.9	2.107	2.376	25.2	20.3	92 E	40*	65
8 24	15 49.55	− 3 4.1	2.185	2.330	25.6	20.3	85 E	37*	66*
9 3	15 58.14	− 5 14.2	2.261	2.284	25.6	20.3	78 E	34*	65*
9 13	16 8.79	− 7 21.3	2.334	2.237	25.3	20.4	72 E	31*	61*
9 23	16 21.34	− 9 24.1	2.401	2.190	24.7	20.3	66 E	28*	56*
10 3	16 35.65	−11 21.1	2.461	2.141	23.8	20.3	60 E	26*	51*
10 13	16 51.66	−13 11.3	2.514	2.092	22.7	20.3	54 E	23*	45*
10 23	17 9.26	−14 53.1	2.559	2.042	21.4	20.2	49 E	21*	40*
11 2	17 28.39	−16 25.5	2.594	1.992	20.0	20.2	43 E	19*	34*
11 12	17 49.02	−17 47.0	2.621	1.942	18.4	20.1	38 E	17*	29*
11 22	18 11.06	−18 56.4	2.638	1.892	16.7	20.0	33 E	15*	24*
12 2	18 34.47	−19 52.2	2.646	1.841	14.8	19.9	29 E	13*	19*
12 12	18 59.19	−20 33.1	2.645	1.792	13.0	19.7	24 E	11*	14*
12 22	19 25.13	−20 57.8	2.636	1.743	11.0	19.6	20 E	8*	10*
1 1	19 52.20	−21 5.2	2.619	1.695	9.1	19.4	16 E	6*	7*
1 11	20 20.30	−20 54.2	2.596	1.648	7.2	19.3	12 E	3*	4*
1 21	20 49.31	−20 24.3	2.568	1.603	5.5	19.1	9 E	—	2*

359242 2009 *FT*

21/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
2 5	16 26.24	− 5 6.7	1.037	1.180	52.3	21.3	71 W	39*	52*
2 10	16 52.85	− 6 7.0	0.973	1.117	55.9	21.1	69 W	37*	52*
2 15	17 22.52	− 7 7.3	0.917	1.052	59.8	21.0	67 W	35*	51*
2 20	17 55.43	− 8 5.3	0.873	0.985	64.0	20.8	64 W	33*	50*
2 25	18 31.53	− 8 57.4	0.841	0.916	68.4	20.7	59 W	30*	47*
3 2	19 10.41	− 9 38.6	0.825	0.845	72.8	20.7	55 W	26*	44*
3 7	19 51.27	−10 3.9	0.825	0.774	76.6	20.6	49 W	22*	40*
3 12	20 33.01	−10 8.8	0.844	0.702	79.4	20.5	44 W	18*	36*
3 17	21 14.55	− 9 50.5	0.882	0.631	80.4	20.4	39 W	14*	32*
3 22	21 55.13	− 9 7.6	0.939	0.563	78.8	20.3	34 W	9*	27*
3 27	22 34.41	− 7 58.4	1.013	0.504	73.8	20.0	29 W	6*	23*
4 1	23 12.45	− 6 20.8	1.100	0.459	65.2	19.7	25 W	2*	19*
4 6	23 49.31	− 4 14.0	1.197	0.435	53.4	19.4	20 W	—	14*
4 11	0 24.70	− 1 41.9	1.295	0.439	40.4	19.3	17 W	—	10*
4 16	0 58.09	+ 1 4.6	1.389	0.470	28.8	19.2	13 W	—	6*
4 18	1 10.77	+ 2 12.3	1.425	0.488	24.9	19.3	12 W	—	5*
4 20	1 23.05	+ 3 19.4	1.461	0.509	21.4	19.3	11 W	—	4*
4 22	1 34.94	+ 4 25.5	1.495	0.531	18.5	19.4	10 W	—	3*
4 24	1 46.42	+ 5 29.9	1.529	0.556	15.9	19.4	9 W	—	2*
4 26	1 57.53	+ 6 32.4	1.562	0.582	13.8	19.5	8 W	—	1*
5 1	2 23.74	+ 8 58.9	1.642	0.651	9.9	19.7	6 W	—	—
5 6	2 47.95	+11 10.1	1.720	0.722	7.5	19.9	5 W	—	—
5 11	3 10.43	+13 5.9	1.796	0.794	6.0	20.1	5 W	—	—
5 16	3 31.41	+14 47.0	1.871	0.866	5.0	20.4	4 E	—	—
5 21	3 51.10	+16 14.7	1.943	0.936	4.2	20.6	4 E	—	—
5 26	4 9.64	+17 30.3	2.013	1.004	3.6	20.8	4 W	—	—
5 31	4 27.18	+18 35.0	2.081	1.070	3.2	21.0	3 W	—	—
6 5	4 43.82	+19 30.0	2.146	1.135	3.2	21.1	4 W	—	—
6 10	4 59.66	+20 16.4	2.208	1.197	3.4	21.3	4 W	—	—

237353 1207 *T–2*

21/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
2 5	16 29.56	−24 54.9	2.369	2.174	24.6	21.4	67 W	19*	59*
2 15	16 49.24	−25 54.9	2.225	2.140	26.1	21.3	72 W	19*	66*
2 25	17 8.82	−26 48.2	2.079	2.105	27.4	21.1	78 W	18*	72*
3 7	17 28.18	−27 35.4	1.933	2.070	28.4	21.0	83 W	17*	77*
3 17	17 47.12	−28 17.2	1.789	2.035	29.3	20.8	89 W	16*	83*
3 27	18 5.42	−28 54.8	1.648	2.000	29.8	20.6	95 W	16*	87*
4 6	18 22.85	−29 29.6	1.510	1.965	30.0	20.4	101 W	15*	87
4 16	18 39.09	−30 3.7	1.378	1.931	29.7	20.1	107 W	15*	86
4 26	18 53.77	−30 39.1	1.253	1.898	29.0	19.9	114 W	14*	85
5 6	19 6.46	−31 18.3	1.136	1.865	27.7	19.6	121 W	14*	85
5 16	19 16.62	−32 3.5	1.029	1.833	25.7	19.3	128 W	13	84
5 21	19 20.57	−32 28.8	0.979	1.818	24.5	19.1	132 W	13	84
5 26	19 23.67	−32 55.9	0.932	1.803	23.0	18.9	136 W	12	83
5 31	19 25.87	−33 24.6	0.889	1.788	21.4	18.7	140 W	12	83
6 5	19 27.07	−33 54.7	0.849	1.774	19.6	18.6	144 W	11	82
6 10	19 27.23	−34 25.6	0.813	1.760	17.6	18.4	148 W	11	82
6 15	19 26.35	−34 56.3	0.780	1.747	15.4	18.2	153 W	10	81
6 20	19 24.45	−35 25.7	0.752	1.734	13.2	18.0	157 W	10	81
6 25	19 21.62	−35 52.6	0.728	1.721	11.1	17.9	161 W	9	80
6 30	19 17.98	−36 15.4	0.709	1.709	9.4	17.7	164 W	9	80
7 5	19 13.73	−36 32.9	0.694	1.698	8.5	17.6	166 W	8	79
7 10	19 9.11	−36 43.7	0.683	1.687	8.7	17.6	165 E	8	79
7 15	19 4.44	−36 46.9	0.677	1.676	10.1	17.6	163 E	8	79
7 20	19 0.04	−36 42.3	0.676	1.667	12.2	17.7	160 E	8	79
7 25	18 56.22	−36 29.9	0.679	1.658	14.6	17.8	156 E	9	80
7 30	18 53.21	−36 10.4	0.686	1.650	17.2	17.9	151 E	9	80

237353 1207 *T–2* *(continuation)*

21/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
	h m	° ′			°	m	°	°	°
8 4	18 51.22	−35 44.4	0.696	1.642	19.8	18.0	147 E	9	80
8 9	18 50.38	−35 13.0	0.710	1.635	22.2	18.1	142 E	10	81
8 14	18 50.79	−34 37.1	0.728	1.629	24.5	18.2	138 E	10	81
8 19	18 52.47	−33 57.7	0.748	1.624	26.6	18.3	134 E	11	82
8 24	18 55.37	−33 15.5	0.771	1.619	28.5	18.4	130 E	12	83
8 29	18 59.42	−32 31.1	0.796	1.616	30.2	18.6	126 E	12	83
9 3	19 4.54	−31 44.6	0.824	1.613	31.7	18.7	123 E	13	84
9 8	19 10.64	−30 56.4	0.854	1.611	32.9	18.8	120 E	14	85
9 13	19 17.64	−30 6.4	0.885	1.609	34.0	18.9	116 E	15	86
9 18	19 25.43	−29 14.8	0.919	1.609	34.9	19.0	113 E	16	87
9 23	19 33.88	−28 21.5	0.954	1.610	35.7	19.1	111 E	17	88
9 28	19 42.92	−27 26.3	0.990	1.611	36.3	19.2	108 E	18	89
10 3	19 52.45	−26 29.3	1.028	1.613	36.8	19.3	105 E	19	90
10 8	20 2.40	−25 30.3	1.068	1.616	37.1	19.4	103 E	19	90
10 13	20 12.71	−24 29.2	1.109	1.620	37.3	19.5	100 E	21	88
10 18	20 23.30	−23 26.0	1.152	1.624	37.4	19.6	98 E	22	87
10 23	20 34.10	−22 20.8	1.195	1.630	37.4	19.7	96 E	23	86*
10 28	20 45.07	−21 13.7	1.240	1.636	37.3	19.7	94 E	24	84*
11 2	20 56.16	−20 4.5	1.286	1.643	37.1	19.8	91 E	25	81*
11 12	21 18.61	−17 40.8	1.382	1.659	36.6	20.0	87 E	27	75*
11 22	21 41.17	−15 10.5	1.483	1.678	35.8	20.1	83 E	30	69*
12 2	22 3.69	−12 35.1	1.588	1.699	34.7	20.3	79 E	32	62*
12 12	22 26.08	− 9 55.7	1.696	1.722	33.5	20.4	75 E	35	56*
12 22	22 48.28	− 7 14.0	1.807	1.748	32.1	20.6	71 E	38*	49*
1 1	23 10.27	− 4 31.3	1.920	1.776	30.5	20.7	67 E	40*	44*
1 11	23 32.07	− 1 49.1	2.035	1.805	28.9	20.8	62 E	41*	38*
1 21	23 53.69	+ 0 51.4	2.150	1.835	27.1	20.9	58 E	42*	33*

160761 2000 SE_{105}

21/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
2 5	16 30.21	−22 21.1	2.431	2.235	23.9	21.4	67 W	22*	59*
2 15	16 48.73	−23 13.2	2.284	2.200	25.4	21.3	73 W	21*	65*
2 25	17 7.01	−23 58.9	2.135	2.166	26.6	21.1	78 W	21*	72*
3 7	17 24.89	−24 39.0	1.986	2.131	27.6	21.0	84 W	20*	78*
3 17	17 42.18	−25 14.3	1.838	2.096	28.3	20.8	90 W	20*	84*
3 27	17 58.64	−25 46.1	1.693	2.061	28.7	20.6	97 W	19*	90
4 6	18 14.01	−26 16.3	1.552	2.026	28.8	20.4	103 W	19*	90
4 16	18 27.96	−26 47.0	1.416	1.992	28.3	20.1	110 W	18*	89
4 26	18 40.09	−27 20.6	1.287	1.958	27.3	19.8	117 W	18	89
5 6	18 49.99	−27 59.9	1.168	1.925	25.7	19.5	124 W	17	88
5 16	18 57.08	−28 47.1	1.059	1.893	23.3	19.2	132 W	16	87
5 26	19 0.87	−29 43.7	0.962	1.861	20.1	18.9	141 W	15	86
6 5	19 0.93	−30 48.6	0.880	1.831	16.0	18.5	150 W	14	85
6 10	18 59.48	−31 23.2	0.846	1.817	13.8	18.3	155 W	14	85
6 15	18 57.07	−31 58.0	0.815	1.802	11.4	18.1	160 W	13	84
6 20	18 53.81	−32 31.9	0.790	1.789	9.0	18.0	164 W	12	83
6 25	18 49.82	−33 3.9	0.769	1.775	7.0	17.8	168 W	12	83
6 30	18 45.30	−33 32.5	0.753	1.762	6.1	17.7	169 W	11	82
7 5	18 40.47	−33 56.7	0.742	1.750	6.7	17.7	168 E	11	82
7 10	18 35.61	−34 15.6	0.736	1.738	8.7	17.7	165 E	11	82
7 15	18 31.03	−34 28.6	0.735	1.727	11.3	17.8	161 E	11	82
7 20	18 27.02	−34 35.7	0.738	1.716	14.1	17.9	156 E	10	81
7 25	18 23.83	−34 37.1	0.745	1.706	16.8	18.0	151 E	10	81
7 30	18 21.64	−34 33.3	0.756	1.696	19.5	18.1	146 E	10	81
8 4	18 20.59	−34 24.8	0.771	1.687	22.0	18.2	141 E	11	82
8 9	18 20.76	−34 12.4	0.789	1.679	24.4	18.3	137 E	11	82
8 14	18 22.20	−33 56.7	0.810	1.672	26.5	18.5	133 E	11	82
8 24	18 28.79	−33 16.9	0.859	1.659	30.1	18.7	125 E	12	83
9 3	18 39.84	−32 27.5	0.917	1.649	32.8	18.9	118 E	13	84
9 13	18 54.70	−31 28.6	0.981	1.642	34.8	19.1	111 E	14	85
9 18	19 3.33	−30 55.2	1.016	1.640	35.5	19.2	108 E	14	85
9 23	19 12.61	−30 19.2	1.051	1.638	36.1	19.3	106 E	15	86
9 28	19 22.46	−29 40.1	1.088	1.638	36.6	19.3	103 E	15	86
10 3	19 32.79	−28 58.1	1.126	1.638	36.9	19.4	101 E	16	87
10 8	19 43.53	−28 12.8	1.166	1.639	37.1	19.5	98 E	17	88
10 13	19 54.62	−27 24.2	1.206	1.641	37.2	19.6	96 E	18	89
10 18	20 5.98	−26 32.4	1.248	1.643	37.2	19.7	93 E	18	87*
10 23	20 17.54	−25 37.4	1.290	1.647	37.2	19.7	91 E	19	85*
10 28	20 29.25	−24 39.1	1.334	1.651	37.0	19.8	89 E	20	82*
11 2	20 41.07	−23 37.7	1.379	1.656	36.8	19.9	87 E	21	80*
11 7	20 52.96	−22 33.4	1.424	1.662	36.4	20.0	85 E	22	77*
11 12	21 4.88	−21 26.2	1.471	1.668	36.1	20.0	83 E	24	74*
11 17	21 16.81	−20 16.4	1.519	1.676	35.6	20.1	81 E	25	71*
11 22	21 28.71	−19 4.1	1.567	1.684	35.1	20.2	79 E	26	68*
12 2	21 52.36	−16 33.3	1.667	1.701	34.0	20.3	75 E	28	62*
12 12	22 15.75	−13 55.6	1.770	1.722	32.7	20.4	71 E	31	55*
12 22	22 38.81	−11 13.0	1.875	1.745	31.3	20.5	67 E	34*	49*
1 1	23 1.52	− 8 27.5	1.982	1.769	29.7	20.6	63 E	36*	44*
1 11	23 23.92	− 5 40.8	2.091	1.796	28.0	20.7	59 E	37*	38*
1 21	23 46.00	− 2 54.7	2.201	1.825	26.2	20.8	55 E	37*	33*