397847 2008 TA_1

20/21	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
	h m	° ′			°	m	°	°	°
9 8	8 33.54	+27 55.7	1.557	1.062	39.9	21.5	43 W	36*	14*
9 13	8 58.46	+26 37.2	1.529	1.026	40.7	21.4	42 W	35*	13*
9 18	9 23.56	+24 59.5	1.505	0.991	41.4	21.3	41 W	34*	12*
9 23	9 48.67	+23 2.8	1.486	0.956	41.9	21.2	39 W	33*	11*
9 28	10 13.63	+20 47.9	1.473	0.923	42.1	21.1	38 W	32*	10*
10 3	10 38.34	+18 15.8	1.465	0.892	42.0	21.0	37 W	30*	10*
10 8	11 2.71	+15 28.6	1.463	0.863	41.6	20.9	35 W	29*	9*
10 13	11 26.72	+12 28.4	1.466	0.837	40.9	20.9	33 W	27*	8*
10 18	11 50.33	+ 9 17.9	1.474	0.814	39.8	20.8	32 W	25*	8*
10 23	12 13.59	+ 6 0.1	1.487	0.796	38.4	20.7	30 W	23*	8*
10 28	12 36.53	+ 2 38.1	1.505	0.782	36.6	20.6	28 W	21*	8*
11 2	12 59.22	− 0 45.1	1.526	0.773	34.6	20.6	26 W	19*	8*
11 7	13 21.73	− 4 6.3	1.550	0.770	32.5	20.6	25 W	17*	8*
11 12	13 44.14	− 7 22.7	1.577	0.773	30.2	20.5	23 W	15*	8*
11 17	14 6.50	−10 31.4	1.607	0.781	28.1	20.5	22 W	14*	8*
11 22	14 28.84	−13 30.1	1.637	0.794	26.0	20.6	21 W	12*	8*
11 27	14 51.18	−16 16.6	1.669	0.812	24.2	20.6	20 W	10*	9*
12 2	15 13.54	−18 49.3	1.702	0.834	22.6	20.6	19 W	8*	9*
12 7	15 35.90	−21 7.2	1.736	0.859	21.2	20.7	18 W	7*	10*
12 12	15 58.22	−23 9.4	1.769	0.888	20.2	20.8	18 W	5*	10*
12 17	16 20.45	−24 55.7	1.803	0.919	19.3	20.9	18 W	4*	11*
12 22	16 42.50	−26 26.0	1.837	0.952	18.7	21.0	18 W	3*	11*
12 27	17 4.32	−27 40.7	1.870	0.986	18.3	21.1	18 W	2*	12*
1 1	17 25.81	−28 40.5	1.902	1.022	18.1	21.2	19 W	1*	13*
1 6	17 46.91	−29 26.1	1.934	1.058	18.0	21.3	19 W	—	13*
1 11	18 7.54	−29 58.5	1.964	1.094	18.0	21.4	20 W	—	14*

144900 2004 VG_{64}

20/21	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
9 8	8 38.03	− 4 51.0	1.861	1.244	30.3	21.4	39 W	12*	32*
9 18	9 11.28	− 7 35.1	1.753	1.158	33.0	21.2	39 W	13*	32*
9 28	9 48.47	−10 32.1	1.648	1.061	35.8	21.0	38 W	13*	31*
10 8	10 30.95	−13 33.3	1.551	0.951	38.4	20.7	36 W	12*	29*
10 18	11 20.44	−16 22.7	1.467	0.827	40.6	20.3	33 W	10*	26*
10 23	11 48.40	−17 34.7	1.431	0.760	41.2	20.1	30 W	9*	23*
10 28	12 18.82	−18 32.2	1.401	0.689	41.3	19.8	27 W	8*	20*
11 2	12 51.93	−19 9.4	1.377	0.615	40.4	19.5	24 W	6*	17*
11 7	13 27.95	−19 20.2	1.360	0.540	37.9	19.2	20 W	5*	13*
11 12	14 7.10	−18 59.0	1.347	0.465	33.0	18.7	15 W	3*	8*
11 17	14 49.57	−18 2.4	1.336	0.397	24.5	18.1	10 W	1*	2*
11 19	15 7.51	−17 30.2	1.331	0.374	20.2	17.8	8 W	—	—
11 21	15 25.97	−16 53.5	1.325	0.356	16.1	17.5	6 W	—	—
11 23	15 44.87	−16 13.5	1.316	0.342	13.8	17.4	5 W	—	—
11 25	16 4.13	−15 31.7	1.306	0.335	15.5	17.4	5 E	—	—
11 27	16 23.59	−14 50.0	1.292	0.334	20.7	17.5	7 E	—	—
11 29	16 43.11	−14 9.9	1.277	0.340	27.2	17.7	9 E	3*	—
12 1	17 2.53	−13 32.7	1.260	0.353	33.8	17.9	11 E	5*	—
12 3	17 21.74	−12 59.0	1.243	0.371	39.7	18.2	14 E	8*	—
12 5	17 40.68	−12 28.8	1.226	0.393	44.6	18.4	16 E	10*	1*
12 7	17 59.31	−12 1.9	1.210	0.418	48.7	18.6	19 E	12*	2*
12 9	18 17.61	−11 37.9	1.197	0.446	51.8	18.8	21 E	14*	4*
12 11	18 35.55	−11 16.0	1.185	0.475	54.1	19.0	23 E	16*	6*
12 13	18 53.12	−10 56.0	1.177	0.504	55.7	19.2	25 E	17*	8*
12 15	19 10.32	−10 37.1	1.171	0.535	56.7	19.3	27 E	19*	9*
12 17	19 27.10	−10 19.1	1.168	0.565	57.2	19.5	29 E	20*	11*
12 22	20 7.17	− 9 36.1	1.173	0.640	57.0	19.7	33 E	23*	15*
12 27	20 44.27	− 8 53.5	1.195	0.713	55.3	20.0	37 E	26*	18*
1 1	21 18.25	− 8 10.2	1.230	0.782	53.0	20.2	39 E	28*	20*
1 6	21 49.15	− 7 26.3	1.276	0.848	50.3	20.3	42 E	29*	22*
1 11	22 17.14	− 6 42.0	1.331	0.911	47.6	20.5	43 E	30*	24*
1 16	22 42.50	− 5 57.6	1.393	0.970	44.9	20.7	44 E	31*	25*

465892 2010 UT_7

20/21	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
9 8	8 48.97	+ 2 22.8	0.691	0.587	103.7	21.5	35 W	16*	26*
9 10	8 48.75	+ 3 58.0	0.712	0.603	99.6	21.4	36 W	19*	26*
9 12	8 49.33	+ 5 28.5	0.733	0.620	95.8	21.3	38 W	22*	27*
9 14	8 50.60	+ 6 54.0	0.753	0.639	92.2	21.3	39 W	24*	27*
9 16	8 52.45	+ 8 14.4	0.773	0.659	88.8	21.3	41 W	27*	27*
9 18	8 54.79	+ 9 30.0	0.793	0.679	85.7	21.3	42 W	29*	27*
9 23	9 2.26	+12 19.1	0.839	0.734	78.9	21.3	46 W	34*	26*
9 28	9 11.27	+14 43.7	0.881	0.793	73.3	21.4	49 W	38*	26*
10 3	9 21.13	+16 48.9	0.917	0.852	68.7	21.5	53 W	43*	25*
10 8	9 31.37	+18 39.2	0.948	0.912	64.9	21.6	56 W	47*	25*

141053 2001 XT_1

20/21	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
9 8	8 49.39	+20 48.9	0.519	0.667	115.8	20.9	37 W	28*	16*
9 10	8 48.40	+20 56.0	0.541	0.676	111.2	20.8	39 W	31*	17*
9 12	8 48.18	+20 59.2	0.564	0.686	106.8	20.6	41 W	32*	18*
9 14	8 48.63	+20 58.9	0.586	0.698	102.8	20.5	43 W	34*	19*
9 16	8 49.65	+20 55.8	0.608	0.711	99.0	20.5	44 W	36*	20*
9 18	8 51.15	+20 50.3	0.630	0.725	95.5	20.4	46 W	37*	21*

141053 2001 XT_1 *(continuation)*

20/21	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
	h m	° ′			°	m	°	°	°
9 23	8 56.48	+20 28.1	0.681	0.763	87.9	20.4	49 W	41*	22*
9 28	9 3.32	+19 57.3	0.727	0.805	81.5	20.4	53 W	44*	24*
10 3	9 10.96	+19 21.2	0.768	0.851	76.1	20.4	56 W	46*	26*
10 8	9 18.91	+18 41.9	0.804	0.898	71.6	20.5	59 W	49*	27*
10 13	9 26.85	+18 1.1	0.834	0.947	67.8	20.6	62 W	51*	29*
10 18	9 34.52	+17 20.2	0.858	0.996	64.5	20.6	65 W	53*	30*
10 23	9 41.76	+16 40.3	0.876	1.046	61.6	20.7	68 W	55*	32*
10 28	9 48.46	+16 2.3	0.889	1.095	59.0	20.8	71 W	57*	34*
11 2	9 54.51	+15 26.9	0.898	1.144	56.6	20.8	74 W	58*	36*
11 7	9 59.83	+14 54.7	0.902	1.192	54.4	20.8	78 W	59*	38*
11 12	10 4.35	+14 26.5	0.902	1.239	52.2	20.9	82 W	59*	40*
11 17	10 7.97	+14 2.8	0.898	1.286	50.1	20.9	86 W	59	42*
11 22	10 10.59	+13 44.4	0.891	1.332	47.9	20.9	90 W	59	45*
11 27	10 12.13	+13 31.7	0.881	1.376	45.6	20.9	95 W	59	47*
12 2	10 12.51	+13 25.3	0.869	1.420	43.2	20.8	100 W	58	48*
12 7	10 11.62	+13 25.6	0.856	1.462	40.6	20.8	105 W	58	50*
12 12	10 9.36	+13 33.1	0.842	1.504	37.8	20.7	111 W	59	50*
12 17	10 5.63	+13 48.0	0.828	1.544	34.7	20.7	117 W	59	50
12 22	10 0.39	+14 10.1	0.816	1.584	31.4	20.6	123 W	59	50
12 27	9 53.63	+14 39.1	0.806	1.622	27.7	20.5	130 W	60	49
1 1	9 45.41	+15 13.9	0.799	1.659	23.8	20.4	137 W	60	49
1 6	9 35.87	+15 53.2	0.796	1.696	19.7	20.3	144 W	61	48
1 11	9 25.24	+16 35.1	0.799	1.731	15.4	20.2	152 W	62	47
1 16	9 13.84	+17 17.6	0.808	1.765	10.9	20.2	160 W	62	47

229672 2006 WR_1

20/21	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
9 8	8 53.74	+17 50.1	2.102	1.396	24.2	21.4	35 W	26*	17*
9 13	9 9.29	+17 45.8	2.030	1.352	25.9	21.3	36 W	28*	16*
9 18	9 25.68	+17 37.7	1.958	1.306	27.7	21.2	37 W	29*	16*
9 23	9 43.00	+17 25.0	1.885	1.258	29.5	21.1	38 W	30*	15*
9 28	10 1.37	+17 6.7	1.814	1.209	31.3	20.9	39 W	32*	15*
10 3	10 20.93	+16 41.9	1.743	1.159	33.2	20.8	39 W	32*	14*
10 8	10 41.80	+16 8.9	1.675	1.106	35.1	20.7	40 W	33*	13*
10 13	11 4.10	+15 26.1	1.610	1.053	37.1	20.5	39 W	33*	12*
10 18	11 27.94	+14 31.4	1.549	0.998	39.0	20.4	39 W	33*	10*
10 23	11 53.39	+13 22.5	1.494	0.941	40.8	20.2	38 W	32*	9*
10 28	12 20.46	+11 56.9	1.446	0.884	42.5	20.1	37 W	31*	7*
11 2	12 49.12	+10 12.4	1.407	0.826	43.8	19.9	35 W	29*	5*
11 7	13 19.22	+ 8 6.9	1.378	0.769	44.6	19.7	33 W	27*	3*
11 17	14 22.87	+ 2 50.5	1.354	0.658	43.6	19.3	27 W	21*	—
11 27	15 29.18	− 3 45.7	1.377	0.566	37.0	18.9	20 W	14*	—
12 7	16 36.15	−11 10.2	1.435	0.517	23.9	18.4	12 W	5*	—
12 12	17 9.48	−14 52.1	1.470	0.517	16.1	18.2	8 W	1*	—
12 17	17 42.54	−18 20.9	1.506	0.533	9.4	18.0	5 E	—	—
12 22	18 15.23	−21 27.4	1.541	0.563	6.6	18.1	4 E	—	—
12 27	18 47.42	−24 5.4	1.576	0.605	9.0	18.4	6 E	—	—
1 1	19 18.97	−26 11.8	1.612	0.654	12.4	18.8	8 E	—	2*
1 6	19 49.71	−27 46.2	1.649	0.708	15.2	19.1	11 E	—	5*
1 11	20 19.46	−28 50.1	1.688	0.765	17.2	19.4	13 E	—	7*
1 16	20 48.05	−29 26.2	1.728	0.822	18.5	19.6	15 E	—	9*

311554 2006 BQ_{147}

20/21	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
9 8	8 56.79	− 2 9.6	0.589	0.609	114.4	20.9	33 W	11*	26*
9 10	8 53.82	− 3 8.7	0.608	0.626	109.4	20.7	36 W	13*	29*
9 12	8 51.80	− 4 1.7	0.626	0.644	104.8	20.6	38 W	14*	31*
9 14	8 50.60	− 4 49.4	0.645	0.661	100.7	20.5	40 W	15*	33*
9 16	8 50.11	− 5 32.5	0.663	0.679	97.0	20.5	42 W	17*	35*
9 18	8 50.24	− 6 11.7	0.681	0.697	93.6	20.4	44 W	18*	36*
9 23	8 52.67	− 7 36.6	0.723	0.740	86.6	20.4	47 W	20*	39*
9 28	8 57.29	− 8 48.0	0.760	0.783	81.0	20.4	51 W	22*	42*
10 3	9 3.38	− 9 50.7	0.791	0.824	76.6	20.4	53 W	24*	44*
10 8	9 10.45	−10 47.7	0.816	0.863	73.0	20.5	56 W	25*	46*
10 13	9 18.14	−11 41.1	0.835	0.899	70.1	20.5	58 W	26*	48*
10 18	9 26.23	−12 32.0	0.847	0.934	67.8	20.6	60 W	27*	50*
10 23	9 34.56	−13 21.1	0.855	0.966	65.9	20.6	62 W	28*	52*
10 28	9 43.03	−14 8.9	0.856	0.995	64.4	20.6	65 W	28*	54*
11 2	9 51.56	−14 55.6	0.853	1.023	63.1	20.6	67 W	29*	56*
11 7	10 0.12	−15 41.3	0.845	1.048	62.1	20.6	69 W	29*	58*
11 12	10 8.67	−16 26.0	0.832	1.070	61.2	20.6	71 W	28*	60*
11 17	10 17.16	−17 9.7	0.815	1.090	60.5	20.6	74 W	28*	62*
11 22	10 25.59	−17 52.0	0.794	1.108	59.9	20.6	76 W	27	64*
11 27	10 33.96	−18 32.5	0.769	1.123	59.4	20.5	78 W	26	67*
12 2	10 42.26	−19 10.9	0.740	1.136	59.0	20.4	81 W	26	69*
12 7	10 50.51	−19 46.9	0.708	1.147	58.6	20.4	84 W	25	72*
12 12	10 58.70	−20 19.9	0.674	1.155	58.3	20.3	86 W	25	75*
12 17	11 6.84	−20 48.9	0.636	1.161	57.9	20.1	89 W	24	78*
12 22	11 14.96	−21 12.8	0.597	1.165	57.6	20.0	92 W	24	81*
12 27	11 23.10	−21 30.3	0.555	1.166	57.2	19.8	94 W	23	84*
1 1	11 31.33	−21 39.8	0.512	1.165	56.8	19.6	97 W	23	86*
1 6	11 39.73	−21 38.9	0.467	1.162	56.3	19.4	100 W	23	86

20/21	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
311554 2006 BQ_{147} *(continuation)*									
	h m	° ′			°	m	°	°	°
1 11	11 48.40	−21 24.3	0.421	1.157	55.8	19.2	103 W	24	85
1 16	11 57.51	−20 50.8	0.375	1.149	55.1	18.9	107 W	24	85
368565 2004 FE_5									
9 8	9 1.67	+10 27.4	0.843	0.524	91.9	21.4	31 W	19*	19*
9 13	9 26.46	+ 7 18.0	0.947	0.502	81.7	21.1	30 W	17*	18*
9 18	9 51.46	+ 4 34.7	1.054	0.498	70.5	21.0	28 W	15*	18*
9 23	10 16.52	+ 2 12.5	1.160	0.512	59.6	20.9	26 W	14*	16*
9 28	10 41.24	+ 0 7.4	1.260	0.541	50.0	20.9	24 W	13*	15*
10 3	11 5.18	− 1 43.6	1.353	0.581	42.1	21.0	23 W	12*	14*
10 8	11 28.07	− 3 22.8	1.438	0.631	36.0	21.2	22 W	11*	12*
10 13	11 49.81	− 4 51.9	1.516	0.685	31.4	21.3	21 W	10*	11*
10 18	12 10.39	− 6 12.2	1.588	0.741	28.0	21.5	20 W	10*	11*
276770 2004 HC									
9 8	9 31.67	+ 5 23.1	1.064	0.428	70.7	20.7	24 W	10*	15*
9 10	9 36.70	+ 3 53.1	1.111	0.456	65.0	20.7	24 W	10*	16*
9 12	9 42.26	+ 2 30.9	1.155	0.485	60.2	20.8	25 W	10*	17*
9 14	9 48.15	+ 1 15.4	1.197	0.514	56.1	20.9	25 W	10*	17*
9 16	9 54.24	+ 0 5.6	1.237	0.543	52.7	21.0	25 W	10*	18*
9 18	10 0.44	− 0 59.1	1.275	0.571	49.7	21.1	26 W	10*	18*
9 23	10 16.07	− 3 23.1	1.361	0.641	44.0	21.3	26 W	10*	19*
9 28	10 31.51	− 5 27.6	1.435	0.706	39.9	21.5	27 W	10*	20*
10 3	10 46.57	− 7 17.6	1.500	0.768	37.1	21.7	28 W	11*	20*
10 8	11 1.20	− 8 56.4	1.555	0.825	35.1	21.9	28 W	11*	21*
65679 1989 UQ									
9 8	9 32.38	+13 56.8	1.624	0.824	30.6	21.5	25 W	16*	11*
9 13	9 56.31	+11 57.7	1.617	0.799	29.9	21.4	23 W	15*	10*
9 18	10 20.45	+ 9 47.9	1.612	0.776	28.9	21.3	22 W	14*	9*
9 23	10 44.82	+ 7 28.8	1.609	0.754	27.5	21.1	20 W	13*	8*
9 28	11 9.42	+ 5 1.7	1.609	0.733	25.9	21.0	19 W	11*	6*
10 3	11 34.29	+ 2 28.5	1.611	0.715	23.9	20.9	17 W	10*	5*
10 8	11 59.47	− 0 9.0	1.615	0.699	21.6	20.8	15 W	8*	4*
10 13	12 24.96	− 2 48.3	1.621	0.687	19.1	20.7	13 W	6*	3*
10 18	12 50.81	− 5 27.0	1.629	0.678	16.2	20.6	11 W	4*	1*
10 23	13 17.01	− 8 2.4	1.638	0.673	13.3	20.5	9 W	2*	—
10 28	13 43.55	−10 31.7	1.649	0.673	10.3	20.4	7 W	—	—
11 2	14 10.40	−12 52.2	1.660	0.677	7.3	20.3	5 W	—	—
11 7	14 37.54	−15 1.5	1.673	0.685	4.4	20.2	3 W	—	—
11 12	15 4.87	−16 57.5	1.687	0.697	1.8	20.1	1 W	—	—
11 17	15 32.31	−18 38.4	1.701	0.713	0.9	20.1	1 E	—	—
11 22	15 59.75	−20 2.8	1.717	0.731	2.9	20.3	2 E	—	—
11 27	16 27.04	−21 10.1	1.734	0.751	4.7	20.5	4 E	—	—
12 2	16 54.07	−21 59.9	1.751	0.773	6.1	20.6	5 E	—	—
12 7	17 20.70	−22 32.6	1.770	0.797	7.3	20.8	6 E	—	—
12 12	17 46.82	−22 48.6	1.790	0.821	8.2	20.9	7 E	—	—
12 17	18 12.32	−22 49.0	1.811	0.845	8.9	21.0	8 E	—	—
12 22	18 37.11	−22 34.8	1.832	0.870	9.4	21.1	8 E	—	1*
12 27	19 1.14	−22 7.5	1.854	0.894	9.6	21.2	9 E	1*	1*
1 1	19 24.35	−21 28.3	1.876	0.918	9.7	21.3	9 E	1*	1*
1 6	19 46.76	−20 38.7	1.899	0.942	9.7	21.4	9 E	1*	1*
1 11	20 8.36	−19 40.0	1.921	0.964	9.5	21.5	9 E	2*	1*
496901 2001 HB									
9 8	9 35.19	+11 28.0	0.997	0.405	79.8	21.2	23 W	14*	11*
9 13	10 2.60	+ 8 37.4	1.130	0.407	62.1	20.9	21 W	12*	10*
9 18	10 30.52	+ 5 54.7	1.255	0.438	46.4	20.9	18 W	10*	8*
9 23	10 57.58	+ 3 22.2	1.368	0.491	34.5	21.0	16 W	8*	7*
9 28	11 22.99	+ 1 1.8	1.469	0.555	26.3	21.2	14 W	6*	5*
10 3	11 46.53	− 1 6.3	1.560	0.626	20.8	21.4	13 W	5*	4*
507716 2013 UP_8									
9 8	9 43.32	+48 32.6	2.909	2.331	18.2	21.5	46 W	36*	—
9 18	10 13.30	+47 40.6	2.774	2.258	19.8	21.4	50 W	38*	—
9 28	10 43.87	+46 34.9	2.637	2.183	21.5	21.2	53 W	41*	—
10 8	11 14.92	+45 14.5	2.500	2.107	23.1	21.1	56 W	44*	—
10 18	11 46.31	+43 38.4	2.365	2.029	24.7	21.0	58 W	46*	—
10 28	12 17.89	+41 46.2	2.234	1.949	26.4	20.8	61 W	49*	—
11 7	12 49.52	+39 37.0	2.107	1.868	28.1	20.6	62 W	52*	—
11 17	13 21.05	+37 10.8	1.986	1.785	29.8	20.4	64 W	54*	—
11 27	13 52.33	+34 27.4	1.871	1.702	31.6	20.3	65 W	56*	—
12 7	14 23.25	+31 26.7	1.762	1.617	33.5	20.1	65 W	58*	1*
12 17	14 53.75	+28 8.3	1.660	1.533	35.6	19.9	65 W	59*	5*
12 27	15 23.78	+24 31.6	1.563	1.448	37.9	19.7	65 W	59*	10*
1 1	15 38.65	+22 35.7	1.516	1.407	39.1	19.6	64 W	58*	12*
1 6	15 53.44	+20 34.3	1.471	1.365	40.4	19.5	64 W	57*	15*
1 11	16 8.20	+18 27.1	1.426	1.324	41.7	19.4	64 W	56*	18*
1 16	16 22.95	+16 13.4	1.382	1.284	43.1	19.3	63 W	54*	21*

20/21	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
446924 2002 VV_{17}									
	h m	° ′			°	m	°	°	°
9 8	10 16.51	+ 6 37.0	1.563	0.619	20.6	21.1	12 W	3*	5*
9 13	10 45.87	+ 4 3.0	1.542	0.576	17.1	20.8	10 W	1*	3*
9 18	11 16.60	+ 1 20.6	1.522	0.536	12.3	20.5	7 W	—	—
9 23	11 48.75	− 1 26.6	1.503	0.504	6.5	20.1	3 W	—	—
9 28	12 22.26	− 4 13.7	1.481	0.482	5.0	19.9	2 E	—	—
10 3	12 56.91	− 6 55.0	1.456	0.472	12.5	20.1	6 E	—	—
10 8	13 32.33	− 9 24.7	1.429	0.477	21.2	20.4	10 E	—	4*
10 13	14 8.06	−11 38.2	1.400	0.495	29.3	20.7	14 E	1*	8*
10 18	14 43.73	−13 32.3	1.372	0.525	36.0	21.0	18 E	3*	12*
10 23	15 19.02	−15 5.4	1.347	0.562	41.1	21.2	22 E	6*	15*
10 28	15 53.70	−16 17.1	1.328	0.604	44.6	21.4	25 E	8*	18*
507355 2011 VV_5									
9 8	10 41.95	+36 50.7	0.576	0.599	118.1	21.5	32 W	20*	—
9 10	10 35.46	+38 50.2	0.579	0.628	113.1	21.3	35 W	24*	—
9 12	10 29.03	+40 35.0	0.583	0.656	108.4	21.1	38 W	28*	—
9 14	10 22.73	+42 6.6	0.588	0.685	104.1	21.0	41 W	31*	—
9 16	10 16.65	+43 26.6	0.593	0.714	100.1	20.9	44 W	34*	—
9 18	10 10.79	+44 36.6	0.599	0.743	96.4	20.8	47 W	37*	—
9 20	10 5.19	+45 38.3	0.604	0.772	93.0	20.7	50 W	40*	—
9 22	9 59.82	+46 32.9	0.609	0.800	89.8	20.7	53 W	43*	—
9 24	9 54.66	+47 21.7	0.613	0.828	86.9	20.7	56 W	46*	—
9 26	9 49.70	+48 5.8	0.618	0.856	84.1	20.7	58 W	49*	—
9 28	9 44.89	+48 46.2	0.621	0.883	81.5	20.6	61 W	51*	—
9 30	9 40.20	+49 23.5	0.624	0.910	79.1	20.6	63 W	54*	—
10 2	9 35.58	+49 58.5	0.626	0.937	76.8	20.6	66 W	56*	—
10 4	9 30.98	+50 31.8	0.628	0.963	74.6	20.6	68 W	59*	1*
10 6	9 26.35	+51 3.9	0.629	0.989	72.5	20.6	71 W	61*	2*
10 8	9 21.65	+51 35.0	0.629	1.015	70.4	20.6	73 W	63*	2*
10 10	9 16.82	+52 5.6	0.629	1.040	68.5	20.6	76 W	66*	3*
10 12	9 11.81	+52 35.8	0.628	1.065	66.5	20.6	78 W	68*	4*
10 14	9 6.55	+53 5.8	0.627	1.090	64.6	20.6	81 W	70*	4*
10 16	9 1.00	+53 35.8	0.625	1.114	62.8	20.5	83 W	72*	5*
10 18	8 55.08	+54 5.7	0.623	1.137	60.9	20.5	86 W	74*	5*
10 20	8 48.74	+54 35.5	0.621	1.161	59.1	20.5	89 W	76*	6*
10 22	8 41.92	+55 5.1	0.618	1.184	57.2	20.5	91 W	78*	6*
10 24	8 34.56	+55 34.1	0.615	1.206	55.3	20.5	94 W	79*	6*
10 26	8 26.61	+56 2.4	0.612	1.229	53.4	20.4	97 W	79*	6*
10 28	8 18.02	+56 29.5	0.609	1.251	51.5	20.4	100 W	79	6*
10 30	8 8.74	+56 54.9	0.606	1.272	49.6	20.4	103 W	78	7*
11 1	7 58.74	+57 18.1	0.603	1.293	47.6	20.4	106 W	78	6*
11 3	7 48.00	+57 38.5	0.601	1.314	45.6	20.3	109 W	77	6*
11 5	7 36.52	+57 55.3	0.599	1.335	43.6	20.3	112 W	77	6
11 7	7 24.33	+58 7.7	0.597	1.355	41.6	20.3	115 W	77	6
11 9	7 11.48	+58 15.0	0.595	1.375	39.5	20.2	118 W	77	6
11 11	6 58.06	+58 16.3	0.595	1.395	37.4	20.2	121 W	77	6
11 13	6 44.19	+58 11.0	0.595	1.414	35.2	20.2	124 W	77	6
11 15	6 30.01	+57 58.4	0.596	1.433	33.1	20.1	128 W	77	6
11 17	6 15.70	+57 38.1	0.597	1.452	31.0	20.1	131 W	77	6
11 19	6 1.44	+57 9.9	0.600	1.470	28.9	20.1	134 W	78	7
11 21	5 47.43	+56 33.8	0.604	1.488	26.9	20.1	137 W	78	7
11 23	5 33.83	+55 50.2	0.609	1.506	24.9	20.1	140 W	79	8
11 25	5 20.79	+54 59.6	0.616	1.523	23.1	20.1	143 W	80	9
11 27	5 8.42	+54 2.6	0.623	1.541	21.3	20.1	145 W	81	10
11 29	4 56.83	+53 0.2	0.632	1.558	19.8	20.1	148 W	82	11
12 1	4 46.04	+51 53.3	0.642	1.574	18.4	20.1	150 W	83	12
12 3	4 36.11	+50 42.9	0.654	1.591	17.3	20.1	151 E	84	13
12 5	4 27.01	+49 30.0	0.667	1.607	16.4	20.1	153 E	86	15
12 7	4 18.74	+48 15.4	0.681	1.623	15.8	20.2	153 E	87	16
12 9	4 11.26	+47 0.1	0.697	1.638	15.5	20.2	154 E	88	17
12 11	4 4.54	+45 44.7	0.713	1.654	15.5	20.3	153 E	89	18
12 13	3 58.54	+44 30.1	0.732	1.669	15.7	20.4	153 E	90	19
12 15	3 53.21	+43 16.7	0.751	1.684	16.1	20.5	152 E	88	21
12 17	3 48.50	+42 5.1	0.772	1.698	16.7	20.6	150 E	87	22
12 19	3 44.37	+40 55.6	0.794	1.713	17.3	20.7	149 E	86	23
12 21	3 40.77	+39 48.6	0.816	1.727	18.1	20.8	147 E	85	24
12 23	3 37.65	+38 44.2	0.840	1.741	18.9	20.9	145 E	84	25
12 25	3 34.99	+37 42.7	0.865	1.754	19.7	21.0	143 E	83	26
12 27	3 32.73	+36 44.0	0.891	1.768	20.5	21.1	141 E	82	27
1 1	3 28.67	+34 30.0	0.960	1.800	22.4	21.4	136 E	79	30
1 6	3 26.51	+32 33.7	1.033	1.831	24.1	21.6	131 E	78	31
1 11	3 25.88	+30 53.9	1.110	1.861	25.5	21.8	125 E	76	33
1 16	3 26.53	+29 28.9	1.191	1.889	26.7	22.1	120 E	74	35
450649 2006 UY_{64}									
9 8	11 4.25	+17 31.0	1.872	0.909	13.1	21.4	12 W	3*	—
9 13	11 23.19	+14 40.9	1.863	0.895	12.2	21.3	11 W	2*	—
9 18	11 41.80	+11 42.4	1.854	0.881	11.2	21.3	10 W	1*	—
9 23	12 0.18	+ 8 36.7	1.846	0.867	10.0	21.2	9 W	—	—
9 28	12 18.42	+ 5 25.0	1.838	0.854	8.7	21.1	7 W	—	—
10 3	12 36.62	+ 2 8.5	1.830	0.842	7.2	21.0	6 E	—	—

450649 2006 UY_{64} *(continuation)*

20/21	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
	h m	° ′			°	m	°	°	°
10 8	12 54.90	− 1 11.7	1.822	0.830	5.6	20.8	5 E	—	—
10 13	13 13.40	− 4 34.0	1.813	0.819	3.9	20.7	3 E	—	—
10 18	13 32.25	− 7 57.0	1.805	0.809	2.0	20.6	2 E	—	—
10 23	13 51.60	−11 19.1	1.796	0.801	0.3	20.4	0 E	—	—
10 28	14 11.59	−14 38.2	1.787	0.795	2.0	20.5	2 E	—	—
11 2	14 32.39	−17 52.3	1.778	0.790	4.1	20.6	3 E	—	—
11 7	14 54.14	−20 58.8	1.769	0.786	6.1	20.7	5 E	—	—
11 12	15 17.01	−23 55.1	1.761	0.785	8.2	20.8	6 E	—	—
11 17	15 41.10	−26 38.1	1.752	0.786	10.2	20.8	8 E	—	—
11 22	16 6.48	−29 4.5	1.744	0.788	12.1	20.9	10 E	—	2*
11 27	16 33.16	−31 11.0	1.737	0.792	13.9	21.0	11 E	—	3*
12 2	17 1.05	−32 54.4	1.731	0.798	15.6	21.1	13 E	—	5*
12 7	17 29.96	−34 11.8	1.727	0.806	17.1	21.1	14 E	—	6*
12 12	17 59.58	−35 0.8	1.724	0.815	18.4	21.2	15 E	—	8*
12 17	18 29.54	−35 20.4	1.723	0.825	19.5	21.2	16 E	—	9*
12 22	18 59.37	−35 10.3	1.724	0.837	20.4	21.3	17 E	—	11*
12 27	19 28.66	−34 31.4	1.727	0.849	21.1	21.4	18 E	—	12*
1 1	19 57.03	−33 26.0	1.732	0.862	21.6	21.4	19 E	—	13*
1 6	20 24.20	−31 56.7	1.740	0.875	21.9	21.5	19 E	—	13*

164466 2006 DS_{156}

9 8	11 8.39	+ 6 45.0	3.919	2.911	0.4	21.5	1 E	—	—
9 18	11 22.09	+ 5 7.7	3.891	2.893	2.1	21.6	6 W	—	—
9 28	11 35.83	+ 3 28.9	3.847	2.875	4.2	21.7	12 W	5*	1*
10 8	11 49.57	+ 1 49.1	3.788	2.855	6.2	21.8	18 W	11*	5*
10 18	12 3.30	+ 0 8.7	3.714	2.834	8.3	21.8	24 W	16*	9*

306795 2001 OQ_{50}

9 8	11 9.26	− 2 33.9	4.526	3.532	2.4	21.5	8 E	—	—
9 18	11 20.15	− 3 58.1	4.542	3.550	2.3	21.5	8 W	—	2*
9 28	11 30.89	− 5 23.8	4.540	3.568	3.4	21.6	12 W	—	6*
10 8	11 41.43	− 6 50.5	4.519	3.584	5.0	21.7	18 W	6*	11*
10 18	11 51.72	− 8 17.7	4.480	3.600	6.7	21.7	25 W	12*	16*

497626 2006 QT_{89}

9 8	11 9.93	+ 6 19.9	1.897	0.890	1.2	21.4	1 E	—	—
9 18	11 55.43	+ 4 18.0	1.837	0.837	4.8	21.4	4 E	—	—
9 28	12 43.42	+ 1 55.6	1.783	0.800	9.2	21.5	7 E	1*	—
10 8	13 33.51	− 0 43.8	1.740	0.783	14.0	21.6	11 E	4*	—
10 18	14 25.09	− 3 33.4	1.712	0.788	18.5	21.7	15 E	8*	3*

67943 2000 WP_{151}

9 8	11 12.96	+ 8 12.1	3.730	2.724	1.1	21.5	3 E	—	—
9 18	11 27.64	+ 6 35.2	3.727	2.729	2.2	21.6	6 W	—	—
9 28	11 42.19	+ 4 58.2	3.708	2.733	4.2	21.7	11 W	5*	—
10 8	11 56.59	+ 3 21.9	3.675	2.736	6.2	21.8	17 W	11*	3*
10 18	12 10.84	+ 1 46.7	3.626	2.738	8.2	21.9	23 W	16*	7*

455176 1999 VF_{22}

9 8	11 14.70	+ 5 16.5	1.743	0.737	2.8	21.4	2 E	—	—
9 13	11 36.10	+ 2 44.4	1.659	0.657	4.7	21.2	3 E	—	—
9 18	11 59.62	− 0 5.3	1.570	0.574	8.2	20.9	5 E	—	—
9 23	12 25.70	− 3 13.4	1.474	0.493	14.4	20.7	7 E	—	1*
9 28	12 54.77	− 6 38.1	1.367	0.419	24.9	20.5	10 E	—	4*
10 3	13 26.80	−10 11.5	1.244	0.364	41.5	20.5	14 E	—	8*
10 8	14 0.58	−13 34.5	1.103	0.343	63.7	20.7	18 E	—	12*
10 13	14 33.94	−16 24.6	0.954	0.367	86.1	21.3	22 E	1*	16*

268251 2005 MF_{24}

9 8	11 17.89	+ 6 24.1	2.786	1.781	1.6	21.5	3 E	—	—
9 18	11 41.62	+ 4 1.3	2.754	1.750	1.2	21.4	2 W	—	—
9 28	12 5.80	+ 1 33.2	2.717	1.721	2.8	21.4	5 W	—	—
10 8	12 30.50	− 0 58.2	2.678	1.693	4.6	21.5	8 W	2*	—
10 18	12 55.79	− 3 31.0	2.635	1.667	6.4	21.5	11 W	5*	—

157995 2000 LF_{26}

9 8	11 18.37	+ 3 59.5	3.767	2.762	1.2	21.5	3 E	—	—
9 18	11 33.40	+ 2 40.7	3.744	2.740	0.9	21.4	2 W	—	—
9 28	11 48.57	+ 1 20.2	3.706	2.718	3.0	21.5	8 W	2*	—
10 8	12 3.88	− 0 1.0	3.653	2.694	5.1	21.6	14 W	7*	3*
10 18	12 19.30	− 1 22.3	3.586	2.670	7.3	21.6	20 W	12*	7*

306665 2000 SO_{277}

9 8	11 20.55	− 0 22.9	3.261	2.264	3.1	21.5	7 E	—	—
9 18	11 38.45	− 2 19.7	3.217	2.216	2.0	21.3	4 W	—	—
9 28	11 56.93	− 4 21.4	3.162	2.168	2.7	21.3	6 W	—	—
10 8	12 16.05	− 6 27.2	3.097	2.119	4.5	21.3	10 W	—	3*
10 18	12 35.88	− 8 36.3	3.022	2.069	6.6	21.3	14 W	4*	6*
10 28	12 56.52	−10 47.5	2.939	2.018	8.8	21.3	18 W	8*	9*
11 7	13 18.08	−12 59.7	2.848	1.967	11.0	21.2	22 W	11*	12*
11 17	13 40.67	−15 11.2	2.752	1.917	13.2	21.2	26 W	14*	16*

306665 2000 SO_{277} *(continuation)*

20/21	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
	h m	° ′			°	m	°	°	°
11 27	14 4.44	−17 20.2	2.650	1.866	15.5	21.1	30 W	15*	19*
12 7	14 29.52	−19 24.3	2.545	1.815	17.7	21.0	34 W	17*	23*
12 17	14 56.05	−21 20.9	2.438	1.765	19.9	21.0	38 W	17*	27*
12 27	15 24.14	−23 6.6	2.331	1.715	22.1	20.9	41 W	17*	32*
1 6	15 53.88	−24 37.7	2.224	1.667	24.3	20.8	44 W	16*	36*
1 16	16 25.30	−25 49.9	2.120	1.621	26.4	20.7	47 W	15*	39*

176611 2002 FC_{29}

9 8	11 25.31	+ 7 47.7	3.311	2.309	2.2	21.4	5 E	—	—
9 18	11 43.22	+ 5 59.3	3.284	2.283	1.8	21.3	4 E	—	—
9 28	12 1.37	+ 4 8.5	3.245	2.255	3.3	21.3	7 W	1*	—
10 8	12 19.79	+ 2 16.1	3.195	2.227	5.3	21.4	12 W	6*	—
10 18	12 38.52	+ 0 22.9	3.135	2.199	7.4	21.4	17 W	10*	1*
10 28	12 57.57	− 1 29.9	3.065	2.169	9.6	21.4	21 W	15*	5*
11 7	13 16.99	− 3 21.5	2.985	2.140	11.7	21.4	26 W	19*	8*
11 17	13 36.80	− 5 10.7	2.897	2.109	13.9	21.4	31 W	22*	12*
11 27	13 57.03	− 6 56.3	2.801	2.079	16.0	21.4	36 W	25*	17*
12 7	14 17.70	− 8 37.3	2.699	2.048	18.1	21.4	40 W	27*	22*
12 17	14 38.83	−10 12.3	2.590	2.017	20.2	21.3	45 W	29*	27*
12 27	15 0.42	−11 40.0	2.477	1.985	22.1	21.2	50 W	29*	33*
1 6	15 22.44	−12 59.3	2.360	1.954	24.1	21.1	54 W	30*	39*
1 16	15 44.89	−14 9.0	2.240	1.923	25.9	21.1	59 W	29*	45*

155334 2006 DZ_{169}

9 8	11 29.40	+ 5 4.2	3.085	2.085	2.7	21.4	6 E	—	—
9 18	11 48.13	+ 2 48.0	3.041	2.036	0.8	21.2	2 E	—	—
9 28	12 7.47	+ 0 26.6	2.985	1.986	1.9	21.2	4 W	—	—
10 8	12 27.48	− 1 59.6	2.920	1.935	4.0	21.2	8 W	2*	—
10 18	12 48.30	− 4 29.8	2.847	1.883	6.3	21.2	12 W	5*	1*
10 28	13 10.04	− 7 3.2	2.766	1.831	8.6	21.2	16 W	9*	4*
11 7	13 32.85	− 9 38.6	2.678	1.777	10.8	21.2	20 W	11*	8*
11 17	13 56.94	−12 14.7	2.586	1.723	13.1	21.1	23 W	14*	11*
11 27	14 22.47	−14 49.3	2.491	1.669	15.4	21.0	27 W	15*	14*
12 7	14 49.70	−17 19.9	2.393	1.615	17.7	21.0	30 W	16*	18*
12 17	15 18.83	−19 43.3	2.296	1.562	19.9	20.9	33 W	16*	22*
12 27	15 50.09	−21 55.3	2.201	1.510	22.1	20.8	35 W	15*	26*
1 6	16 23.62	−23 50.6	2.109	1.459	24.3	20.7	38 W	14*	29*
1 16	16 59.48	−25 23.3	2.023	1.411	26.3	20.6	40 W	13*	32*

278462 2007 TD_{160}

9 8	11 29.64	− 2 49.1	3.747	2.761	3.7	21.4	10 E	—	3*
9 18	11 44.60	− 4 13.2	3.734	2.737	2.2	21.3	6 E	—	—
9 28	11 59.81	− 5 40.0	3.706	2.711	2.2	21.3	6 W	—	—
10 8	12 15.24	− 7 8.5	3.664	2.685	3.7	21.3	10 W	—	3*
10 18	12 30.89	− 8 38.1	3.607	2.658	5.6	21.4	15 W	5*	7*
10 28	12 46.74	−10 7.8	3.537	2.630	7.6	21.4	21 W	10*	11*
11 7	13 2.80	−11 36.7	3.453	2.601	9.7	21.4	26 W	14*	15*
11 17	13 19.04	−13 4.1	3.357	2.571	11.7	21.4	32 W	18*	20*
11 27	13 35.45	−14 28.8	3.249	2.541	13.7	21.4	38 W	21*	25*
12 7	13 51.98	−15 50.0	3.130	2.510	15.7	21.3	44 W	24*	30*
12 17	14 8.60	−17 6.7	3.001	2.478	17.6	21.3	50 W	25*	37*
12 27	14 25.25	−18 17.7	2.864	2.446	19.4	21.2	56 W	25*	43*
1 6	14 41.84	−19 22.1	2.719	2.413	21.0	21.1	62 W	25*	50*
1 16	14 58.28	−20 19.0	2.569	2.379	22.5	21.0	68 W	25*	57*

182274 2001 KY_{1}

9 8	11 36.67	− 4 14.2	5.149	4.171	3.0	21.5	12 E	—	5*
9 18	11 46.09	− 5 16.5	5.145	4.150	1.7	21.4	7 E	—	—
9 28	11 55.62	− 6 21.1	5.121	4.129	1.7	21.3	7 W	—	1*
10 8	12 5.18	− 7 27.3	5.076	4.106	3.0	21.4	12 W	2*	6*
10 18	12 14.71	− 8 34.8	5.012	4.083	4.6	21.5	19 W	8*	11*
10 28	12 24.14	− 9 42.8	4.928	4.059	6.2	21.5	26 W	14*	16*
11 7	12 33.38	−10 50.8	4.825	4.035	7.8	21.5	33 W	19*	21*
11 17	12 42.34	−11 58.4	4.704	4.009	9.3	21.5	41 W	24*	28*
11 27	12 50.92	−13 4.9	4.568	3.983	10.7	21.5	48 W	27*	34*
12 7	12 58.99	−14 9.7	4.416	3.956	12.0	21.4	56 W	29*	42*
12 17	13 6.42	−15 12.1	4.253	3.928	13.1	21.4	64 W	30*	50*
12 27	13 13.05	−16 11.4	4.079	3.899	13.9	21.3	73 W	29	59*
1 6	13 18.69	−17 6.7	3.898	3.869	14.5	21.2	81 W	28	68*
1 16	13 23.15	−17 57.3	3.713	3.839	14.8	21.1	90 W	27	77*

221455 2006 BC_{10}

9 8	11 37.73	+ 2 34.0	1.939	0.954	8.8	21.3	8 E	—	2*
9 18	12 17.01	− 1 47.7	1.833	0.857	11.0	21.1	9 E	—	3*
9 28	13 0.93	− 6 34.8	1.729	0.774	15.0	20.9	12 E	—	6*
10 8	13 50.32	−11 33.8	1.633	0.714	21.0	20.8	15 E	—	9*
10 18	14 45.63	−16 20.2	1.547	0.689	28.4	20.8	19 E	2*	13*
10 28	15 46.43	−20 19.8	1.480	0.704	35.4	20.9	24 E	4*	18*
11 7	16 50.93	−22 58.7	1.441	0.755	40.1	21.2	29 E	7*	23*
11 17	17 56.04	−23 56.4	1.437	0.833	42.0	21.4	34 E	11*	27*

463240 2012 *FC*

20/21	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
	h m	° ′			°	m	°	°	°
9 8	11 40.02	+ 1 43.3	2.976	1.988	4.7	21.4	9 E	—	3*
9 18	12 1.91	+ 0 34.7	2.941	1.941	2.6	21.2	5 E	—	—
9 28	12 24.55	− 0 36.8	2.897	1.896	1.1	21.0	2 E	—	—
10 8	12 47.99	− 1 49.5	2.847	1.852	2.4	21.0	4 W	—	—
10 18	13 12.31	− 3 1.7	2.790	1.810	4.5	21.0	8 W	2*	—
10 28	13 37.56	− 4 11.2	2.729	1.769	6.7	21.0	12 W	6*	—
11 7	14 3.78	− 5 15.8	2.665	1.731	8.9	21.0	16 W	10*	—
11 17	14 31.02	− 6 13.1	2.598	1.695	11.0	21.0	19 W	13*	1*
11 27	14 59.26	− 7 0.5	2.531	1.663	13.1	21.0	23 W	16*	3*
12 7	15 28.46	− 7 35.4	2.465	1.634	15.1	21.0	26 W	19*	6*
12 17	15 58.53	− 7 55.4	2.401	1.608	17.0	20.9	29 W	21*	8*
12 27	16 29.30	− 7 58.4	2.342	1.587	18.8	20.9	31 W	23*	11*
1 6	17 0.56	− 7 42.9	2.287	1.570	20.5	20.9	34 W	24*	15*
1 16	17 32.05	− 7 8.2	2.238	1.558	22.0	20.9	36 W	26*	18*

450158 2000 DW_{98}

20/21	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
9 8	11 54.75	− 0 42.6	3.902	2.932	4.6	21.5	14 E	—	8*
9 18	12 7.99	− 2 26.0	3.953	2.960	2.6	21.4	8 E	—	2*
9 28	12 21.15	− 4 8.4	3.989	2.988	0.7	21.3	2 E	—	—
10 8	12 34.20	− 5 49.5	4.008	3.015	1.7	21.4	5 W	—	—
10 18	12 47.11	− 7 29.0	4.011	3.040	3.7	21.6	11 W	3*	3*

313276 2002 AX_1

20/21	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
9 8	11 56.01	−15 25.7	1.481	0.701	36.5	21.3	24 E	—	14*
9 13	12 18.44	−16 31.8	1.408	0.642	40.2	21.1	24 E	—	15*
9 18	12 42.81	−17 16.8	1.328	0.583	45.0	20.9	24 E	—	16*
9 23	13 9.03	−17 28.6	1.242	0.526	51.6	20.7	24 E	—	17*
9 28	13 36.57	−16 50.2	1.148	0.473	60.4	20.5	24 E	—	18*
10 3	14 4.06	−15 0.9	1.046	0.431	72.0	20.5	24 E	1*	18*
10 8	14 28.99	−11 43.0	0.942	0.407	85.9	20.6	24 E	6*	18*
10 13	14 48.24	− 6 55.2	0.841	0.406	100.4	21.0	24 E	11*	15*

154035 2002 CV_{59}

20/21	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
9 8	12 6.28	+ 3 36.5	2.801	1.846	8.1	21.4	15 E	3*	8*
9 18	12 20.87	+ 0 31.9	2.818	1.835	5.3	21.3	10 E	—	3*
9 28	12 35.69	− 2 32.4	2.817	1.820	2.4	21.1	4 E	—	—
10 8	12 50.83	− 5 37.5	2.799	1.800	0.6	20.9	1 W	—	—
10 18	13 6.42	− 8 44.8	2.762	1.775	3.6	21.1	6 W	—	—
10 28	13 22.58	−11 55.4	2.707	1.745	6.6	21.2	12 W	3*	4*
11 7	13 39.47	−15 10.7	2.635	1.711	9.6	21.2	17 W	6*	8*
11 17	13 57.35	−18 32.0	2.548	1.671	12.7	21.2	22 W	9*	13*
11 27	14 16.50	−22 1.0	2.445	1.627	15.9	21.2	27 W	10*	19*
12 7	14 37.37	−25 38.9	2.330	1.577	19.0	21.1	31 W	10*	24*
12 17	15 0.58	−29 26.9	2.206	1.521	22.3	21.0	36 W	9*	29*
12 27	15 27.04	−33 25.1	2.074	1.461	25.5	20.9	40 W	7*	33*
1 6	15 58.08	−37 31.0	1.938	1.394	28.8	20.7	43 W	4*	37*
1 16	16 35.69	−41 37.0	1.805	1.322	32.2	20.6	46 W	—	39*

70111 1999 LM_7

20/21	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
9 8	12 18.12	+ 3 36.4	3.780	2.838	6.3	21.4	18 E	5*	11*
9 18	12 32.24	+ 2 7.5	3.787	2.814	4.4	21.3	12 E	3*	5*
9 28	12 46.71	+ 0 38.1	3.779	2.789	2.7	21.2	8 E	1*	—
10 8	13 1.49	− 0 51.0	3.756	2.763	1.9	21.1	5 E	—	—
10 18	13 16.58	− 2 19.1	3.718	2.736	3.0	21.1	8 W	2*	—
10 28	13 31.96	− 3 45.4	3.665	2.708	4.8	21.2	13 W	7*	—
11 7	13 47.61	− 5 9.0	3.598	2.679	6.8	21.2	19 W	12*	2*
11 17	14 3.51	− 6 29.2	3.518	2.649	8.9	21.2	24 W	17*	7*
11 27	14 19.62	− 7 45.2	3.424	2.619	10.9	21.2	30 W	21*	12*
12 7	14 35.92	− 8 55.9	3.319	2.588	12.9	21.2	36 W	25*	18*
12 17	14 52.37	−10 0.8	3.202	2.556	14.9	21.2	42 W	28*	24*
12 27	15 8.89	−10 58.9	3.076	2.524	16.8	21.1	48 W	29*	31*
1 6	15 25.41	−11 49.5	2.940	2.490	18.6	21.1	54 W	30*	38*
1 16	15 41.86	−12 32.1	2.797	2.456	20.3	21.0	60 W	31*	45*

405427 2004 ST_9

20/21	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
9 8	12 25.21	− 1 51.4	2.338	1.443	14.5	21.5	21 E	2*	15*
9 18	12 54.26	− 4 3.3	2.312	1.400	13.4	21.3	19 E	2*	13*
9 28	13 24.70	− 6 16.9	2.287	1.361	12.5	21.2	17 E	3*	11*
10 8	13 56.58	− 8 28.2	2.263	1.327	11.6	21.1	16 E	3*	9*
10 18	14 29.94	−10 33.0	2.242	1.300	10.9	21.0	14 E	3*	7*
10 28	15 4.74	−12 26.4	2.225	1.280	10.4	20.9	13 E	4*	6*
11 7	15 40.83	−14 3.3	2.215	1.267	9.9	20.9	13 E	4*	4*
11 17	16 17.98	−15 19.1	2.212	1.262	9.4	20.9	12 E	4*	2*
11 27	16 55.80	−16 9.7	2.216	1.265	9.0	20.8	12 E	5*	1*
12 7	17 33.86	−16 32.7	2.230	1.276	8.4	20.9	11 E	5*	—
12 17	18 11.65	−16 27.0	2.251	1.295	7.8	20.9	10 E	4*	—
12 27	18 48.71	−15 53.7	2.281	1.321	7.1	20.9	10 E	3*	—
1 6	19 24.60	−14 55.4	2.317	1.353	6.2	21.0	9 E	2*	—
1 16	19 59.07	−13 35.5	2.360	1.391	5.4	21.0	8 E	1*	—

82233 2001 JF_1

20/21	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
	h m	° ′			°	m	°	°	°
9 8	12 29.03	− 1 55.4	3.667	2.758	7.8	21.5	22 E	3*	16*
9 18	12 43.08	− 3 34.0	3.696	2.744	5.8	21.4	16 E	1*	10*
9 28	12 57.46	− 5 13.1	3.710	2.730	3.7	21.3	10 E	—	4*
10 8	13 12.17	− 6 52.0	3.709	2.714	1.6	21.1	4 E	—	—
10 18	13 27.18	− 8 30.2	3.693	2.697	0.6	21.0	2 W	—	—
10 28	13 42.47	−10 6.9	3.661	2.679	2.7	21.1	7 W	1*	—
11 7	13 58.04	−11 41.4	3.615	2.660	4.9	21.2	13 W	6*	3*
11 17	14 13.86	−13 13.3	3.554	2.640	7.0	21.3	19 W	10*	8*
11 27	14 29.89	−14 41.8	3.479	2.619	9.2	21.3	25 W	14*	13*
12 7	14 46.11	−16 6.4	3.391	2.597	11.3	21.3	31 W	18*	18*
12 17	15 2.47	−17 26.5	3.290	2.574	13.3	21.3	37 W	20*	25*
12 27	15 18.90	−18 41.6	3.177	2.550	15.3	21.3	43 W	21*	31*
1 6	15 35.34	−19 51.4	3.054	2.525	17.2	21.2	49 W	22*	38*
1 16	15 51.69	−20 55.8	2.921	2.500	18.9	21.2	56 W	22*	46*

378305 2007 FC_1

20/21	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
9 8	12 44.08	+ 2 6.4	2.448	1.588	15.3	21.5	25 E	9*	17*
9 18	13 5.68	− 1 57.3	2.451	1.557	13.5	21.4	21 E	6*	14*
9 28	13 28.09	− 6 1.7	2.450	1.527	11.6	21.3	18 E	3*	11*
10 8	13 51.49	−10 5.0	2.445	1.500	9.7	21.2	15 E	1*	8*
10 18	14 16.11	−14 5.2	2.436	1.475	7.9	21.0	12 E	—	6*
10 28	14 42.21	−17 59.6	2.425	1.453	6.3	20.9	9 E	—	3*
11 7	15 10.04	−21 44.7	2.411	1.434	5.1	20.8	7 E	—	1*
11 17	15 39.88	−25 16.6	2.395	1.418	4.7	20.8	7 E	—	—
11 27	16 11.94	−28 30.2	2.379	1.406	5.2	20.8	7 E	—	—
12 7	16 46.35	−31 19.6	2.363	1.398	6.3	20.8	9 W	—	—
12 17	17 23.11	−33 38.6	2.348	1.394	7.7	20.8	11 W	—	2*
12 27	18 1.91	−35 21.0	2.335	1.394	9.1	20.9	13 W	—	4*
1 6	18 42.21	−36 21.8	2.326	1.399	10.4	20.9	15 W	—	6*
1 16	19 23.21	−36 38.1	2.320	1.407	11.6	21.0	17 W	—	7*

317255 2002 DJ_5

20/21	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
9 8	12 46.97	− 8 21.0	1.353	0.674	45.9	21.3	29 E	2*	23*
9 13	13 8.94	−10 47.5	1.277	0.642	51.1	21.3	30 E	2*	24*
9 18	13 32.37	−13 12.5	1.198	0.620	57.0	21.2	31 E	2*	25*
9 23	13 57.35	−15 32.0	1.117	0.607	63.3	21.2	33 E	3*	27*
9 28	14 23.98	−17 41.5	1.036	0.606	69.7	21.2	35 E	4*	29*
10 3	14 52.38	−19 36.4	0.957	0.616	75.6	21.3	37 E	5*	31*
10 8	15 22.78	−21 12.0	0.881	0.637	80.6	21.4	39 E	7*	33*
10 13	15 55.41	−22 23.8	0.812	0.666	84.3	21.4	42 E	9*	36*
10 18	16 30.52	−23 6.5	0.751	0.703	86.5	21.4	45 E	11*	39*
10 23	17 8.13	−23 14.2	0.700	0.744	87.1	21.4	48 E	14*	42*
10 28	17 47.91	−22 41.2	0.660	0.790	86.1	21.4	52 E	17*	46*
11 2	18 29.07	−21 24.1	0.632	0.838	83.7	21.3	57 E	20*	49*
11 7	19 10.43	−19 24.3	0.617	0.887	80.2	21.3	62 E	24*	53*
11 12	19 50.63	−16 49.2	0.616	0.937	76.1	21.3	67 E	27*	56*
11 17	20 28.54	−13 50.9	0.628	0.987	71.6	21.3	71 E	31*	57*
11 22	21 3.41	−10 42.8	0.652	1.037	67.2	21.3	75 E	34	58*
11 27	21 34.95	− 7 36.6	0.687	1.086	63.0	21.4	79 E	37	58*

53550 2000 BF_{19}

20/21	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
9 8	12 48.75	− 9 39.8	1.720	0.982	30.6	21.5	30 E	1*	24*
9 13	13 7.37	−11 30.3	1.689	0.957	31.5	21.4	30 E	1*	24*
9 18	13 26.89	−13 19.6	1.658	0.934	32.5	21.3	30 E	1*	24*
9 23	13 47.34	−15 6.3	1.627	0.915	33.7	21.3	30 E	2*	24*
9 28	14 8.78	−16 48.6	1.596	0.898	34.9	21.2	31 E	2*	25*
10 3	14 31.24	−18 24.5	1.566	0.885	36.3	21.2	32 E	3*	25*
10 8	14 54.71	−19 52.0	1.538	0.875	37.6	21.2	32 E	4*	26*
10 13	15 19.18	−21 8.8	1.511	0.869	38.9	21.1	33 E	5*	27*
10 18	15 44.57	−22 12.8	1.487	0.868	40.2	21.1	34 E	6*	28*
10 23	16 10.75	−23 1.9	1.466	0.870	41.3	21.1	35 E	7*	29*
10 28	16 37.56	−23 34.4	1.448	0.877	42.3	21.2	36 E	8*	30*
11 2	17 4.79	−23 49.1	1.433	0.887	43.1	21.2	38 E	10*	31*
11 7	17 32.18	−23 45.4	1.424	0.901	43.7	21.2	39 E	12*	32*
11 12	17 59.51	−23 23.2	1.419	0.919	44.0	21.3	40 E	13*	33*
11 17	18 26.53	−22 43.3	1.418	0.939	44.0	21.3	41 E	15*	33*
11 22	18 53.00	−21 47.0	1.423	0.962	43.8	21.4	42 E	17*	34*
11 27	19 18.75	−20 36.1	1.433	0.988	43.5	21.4	44 E	19*	34*
12 2	19 43.64	−19 12.6	1.448	1.015	42.9	21.5	44 E	21*	34*

236184 2005 WX_3

20/21	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
9 8	12 49.11	− 0 10.6	3.293	2.430	10.6	21.5	26 E	8*	19*
9 18	13 3.74	− 2 32.7	3.319	2.405	8.5	21.4	21 E	5*	14*
9 28	13 18.91	− 4 54.5	3.332	2.380	6.4	21.3	15 E	3*	9*
10 8	13 34.62	− 7 15.8	3.332	2.354	4.2	21.2	10 E	—	3*
10 18	13 50.88	− 9 36.2	3.319	2.327	2.0	21.0	5 E	—	—
10 28	14 7.72	−11 55.2	3.293	2.300	0.6	20.8	1 W	—	—
11 7	14 25.17	−14 12.5	3.255	2.272	2.7	20.9	6 W	—	—
11 17	14 43.26	−16 27.4	3.204	2.243	5.0	21.0	11 W	3*	3*
11 27	15 2.03	−18 39.6	3.142	2.214	7.3	21.0	17 W	7*	7*
12 7	15 21.51	−20 48.4	3.069	2.185	9.6	21.1	22 W	9*	13*
12 17	15 41.76	−22 53.4	2.986	2.155	11.9	21.1	27 W	11*	18*

20/21	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
		236184 2005 WX_3				*(continuation)*			
	h m	° ′			°	m	°	°	°
12 27	16 2.80	−24 53.9	2.894	2.125	14.2	21.1	32 W	12*	24*
1 6	16 24.69	−26 49.3	2.793	2.095	16.5	21.0	37 W	12*	30*
1 16	16 47.46	−28 39.1	2.686	2.065	18.6	21.0	42 W	11*	35*
		306514 1999 VX_{178}							
9 8	13 33.02	− 4 31.5	3.375	2.654	13.5	21.4	38 E	12*	31*
9 18	13 47.68	− 5 23.9	3.395	2.599	11.8	21.3	32 E	11*	25*
9 28	14 3.25	− 6 17.7	3.402	2.545	10.1	21.2	26 E	9*	19*
10 8	14 19.69	− 7 11.3	3.395	2.489	8.3	21.1	21 E	8*	14*
10 18	14 37.01	− 8 3.5	3.375	2.434	6.5	21.0	16 E	6*	8*
10 28	14 55.22	− 8 52.7	3.342	2.379	4.9	20.8	12 E	5*	2*
11 7	15 14.32	− 9 37.4	3.296	2.323	3.8	20.7	9 E	3*	—
11 17	15 34.31	−10 15.9	3.240	2.267	3.8	20.6	9 E	1*	—
11 27	15 55.20	−10 46.4	3.172	2.212	4.9	20.5	11 W	4*	—
12 7	16 16.98	−11 7.2	3.096	2.157	6.6	20.5	15 W	9*	—
12 17	16 39.64	−11 16.6	3.012	2.103	8.6	20.5	19 W	12*	1*
12 27	17 3.14	−11 12.7	2.922	2.049	10.6	20.5	23 W	16*	5*
1 6	17 27.44	−10 53.9	2.827	1.997	12.7	20.4	27 W	18*	10*
1 16	17 52.49	−10 18.8	2.729	1.946	14.8	20.4	30 W	20*	15*
		416301 2003 RL_{26}							
9 8	14 8.12	− 7 26.7	2.417	1.882	23.1	21.5	47 E	16*	40*
9 18	14 29.54	− 8 20.0	2.457	1.851	21.7	21.4	43 E	15*	36*
9 28	14 51.95	− 9 12.1	2.490	1.821	20.2	21.4	39 E	15*	32*
10 8	15 15.33	−10 0.6	2.517	1.793	18.7	21.3	35 E	15*	27*
10 18	15 39.68	−10 43.3	2.538	1.766	17.1	21.3	31 E	14*	23*
10 28	16 4.96	−11 17.7	2.553	1.741	15.6	21.2	28 E	14*	19*
11 7	16 31.11	−11 41.8	2.563	1.718	14.2	21.1	25 E	14*	14*
11 17	16 58.06	−11 53.4	2.570	1.698	12.8	21.1	22 E	13*	10*
11 27	17 25.71	−11 50.6	2.573	1.680	11.6	21.0	20 E	13*	5*
12 7	17 53.92	−11 32.1	2.575	1.665	10.5	20.9	18 E	12*	1*
12 17	18 22.54	−10 57.0	2.575	1.653	9.5	20.9	16 E	10*	—
12 27	18 51.41	−10 4.7	2.575	1.643	8.8	20.8	15 E	8*	—
1 6	19 20.33	− 8 55.7	2.574	1.637	8.3	20.8	14 E	6*	—
1 16	19 49.18	− 7 30.7	2.575	1.634	8.1	20.8	13 W	4*	—
		11311 Peleus							
9 8	14 8.48	− 8 43.3	3.258	2.683	16.1	21.5	48 E	15*	41*
9 18	14 19.72	−10 27.0	3.314	2.639	14.5	21.4	41 E	12*	35*
9 28	14 31.98	−12 11.0	3.355	2.593	12.7	21.3	35 E	9*	28*
10 8	14 45.22	−13 54.8	3.380	2.545	10.7	21.2	28 E	7*	22*
10 18	14 59.43	−15 37.8	3.389	2.495	8.7	21.1	22 E	4*	16*
10 28	15 14.59	−17 19.5	3.382	2.444	6.5	21.0	16 E	2*	10*
11 7	15 30.71	−18 59.4	3.359	2.390	4.2	20.8	10 E	—	4*
11 17	15 47.84	−20 36.8	3.319	2.335	1.9	20.6	5 E	—	—
11 27	16 5.99	−22 11.0	3.264	2.277	0.8	20.4	2 W	—	—
12 7	16 25.22	−23 41.3	3.193	2.218	3.1	20.5	7 W	—	—
12 17	16 45.61	−25 7.0	3.108	2.157	5.6	20.5	12 W	1*	6*
12 27	17 7.24	−26 27.1	3.010	2.094	8.1	20.5	18 W	3*	11*
1 6	17 30.19	−27 40.6	2.901	2.029	10.7	20.4	23 W	4*	16*
1 16	17 54.60	−28 46.1	2.782	1.962	13.4	20.4	27 W	4*	21*
		504800 2010 CO_1							
9 8	14 32.54	−54 54.4	0.162	0.975	96.8	21.3	74 E	—	48*
9 9	14 52.98	−54 11.7	0.157	0.979	95.7	21.2	75 E	—	50*
9 10	15 13.57	−53 12.9	0.154	0.983	94.5	21.1	77 E	—	53*
9 11	15 33.99	−51 57.7	0.150	0.987	93.3	21.0	78 E	—	55*
9 12	15 53.94	−50 25.9	0.148	0.991	91.9	20.9	80 E	—	58*
9 13	16 13.17	−48 38.2	0.145	0.994	90.5	20.8	81 E	—	61*
9 14	16 31.47	−46 35.8	0.143	0.998	89.0	20.7	83 E	—	64*
9 15	16 48.71	−44 20.4	0.142	1.002	87.4	20.6	84 E	—	68*
9 16	17 4.82	−41 54.2	0.142	1.006	85.8	20.6	86 E	1*	71*
9 17	17 19.78	−39 19.6	0.142	1.010	84.2	20.5	88 E	5*	74*
9 18	17 33.61	−36 38.9	0.142	1.013	82.6	20.5	89 E	8*	77*
9 19	17 46.35	−33 54.9	0.144	1.017	81.0	20.5	91 E	11*	81*
9 20	17 58.08	−31 9.6	0.145	1.021	79.5	20.4	92 E	14*	84*
9 21	18 8.87	−28 25.3	0.148	1.024	78.0	20.4	94 E	16*	87*
9 22	18 18.80	−25 43.7	0.150	1.028	76.6	20.4	95 E	19*	89*
9 23	18 27.95	−23 6.3	0.154	1.032	75.2	20.4	96 E	22*	87
9 24	18 36.39	−20 34.2	0.158	1.035	73.9	20.4	97 E	24	85
9 25	18 44.20	−18 8.2	0.162	1.039	72.7	20.5	98 E	27	82
9 26	18 51.43	−15 48.9	0.166	1.042	71.6	20.5	99 E	29	80
9 27	18 58.15	−13 36.5	0.171	1.046	70.6	20.5	100 E	31	78
9 28	19 4.41	−11 31.1	0.177	1.050	69.7	20.6	101 E	33	76
9 30	19 15.74	− 7 41.2	0.188	1.057	68.0	20.7	102 E	37	72
10 2	19 25.72	− 4 17.6	0.201	1.064	66.6	20.8	103 E	41	68
10 4	19 34.63	− 1 17.9	0.214	1.070	65.3	20.9	103 E	44	65
10 6	19 42.66	+ 1 20.6	0.228	1.077	64.3	21.0	104 E	46	63
10 8	19 49.97	+ 3 40.8	0.242	1.084	63.4	21.1	104 E	49	60
10 10	19 56.70	+ 5 45.0	0.257	1.090	62.6	21.3	104 E	51	58
10 12	20 2.95	+ 7 35.5	0.272	1.097	61.9	21.4	104 E	53	56
10 14	20 8.81	+ 9 14.2	0.288	1.103	61.3	21.5	104 E	54	55

2020	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
		329275 1999 VP_6							
	h m	° ′			°	m	°	°	°
9 8	15 41.65	+ 0 11.9	0.653	0.983	72.9	21.5	69 E	35*	54*
9 18	16 16.22	− 0 37.1	0.615	0.966	75.3	21.4	68 E	36*	53*
9 28	16 54.35	− 1 31.2	0.574	0.959	77.2	21.3	69 E	37*	53*
10 8	17 36.85	− 2 31.3	0.532	0.961	78.2	21.2	70 E	39*	53*
10 18	18 24.72	− 3 37.0	0.495	0.973	78.1	21.0	73 E	39*	55*
10 28	19 18.57	− 4 42.6	0.467	0.994	76.4	20.9	76 E	40*	57*
11 7	20 17.65	− 5 36.3	0.453	1.022	73.2	20.8	81 E	39	60*
11 17	21 19.34	− 6 2.4	0.458	1.057	68.8	20.7	86 E	39	63*
11 27	22 19.64	− 5 49.6	0.484	1.097	64.1	20.8	90 E	39	65*
12 7	23 14.96	− 4 58.9	0.530	1.140	59.7	20.9	93 E	40	65*
12 17	0 3.76	− 3 39.6	0.593	1.185	55.9	21.2	94 E	41	64*
12 27	0 46.29	− 2 2.2	0.670	1.232	52.7	21.4	94 E	43	63*
		436324 2010 GZ_6							
9 8	17 1.76	+46 5.7	0.826	1.246	53.7	21.4	85 E	79*	18*
9 13	17 20.71	+43 35.4	0.809	1.254	53.2	21.4	87 E	80*	20*
9 18	17 40.11	+40 46.2	0.794	1.262	52.7	21.3	88 E	81*	23*
9 23	17 59.84	+37 38.1	0.781	1.271	52.2	21.3	90 E	80*	26*
9 28	18 19.77	+34 12.3	0.772	1.280	51.5	21.3	91 E	78*	29*
10 3	18 39.74	+30 30.9	0.767	1.289	50.8	21.3	93 E	75*	33*
10 8	18 59.62	+26 37.8	0.768	1.299	50.2	21.3	94 E	72*	37*
10 13	19 19.30	+22 37.7	0.774	1.308	49.5	21.3	94 E	68	41*
10 18	19 38.69	+18 36.7	0.787	1.318	48.9	21.3	95 E	64	44*
10 23	19 57.70	+14 40.8	0.806	1.329	48.3	21.4	95 E	60	48*
10 28	20 16.25	+10 55.5	0.831	1.339	47.7	21.4	94 E	56	51*
		446816 2000 EE_{38}							
9 8	23 50.65	+ 0 45.3	2.411	3.401	3.7	22.3	167 W	46	63
9 18	23 42.64	− 0 10.7	2.351	3.355	0.5	22.0	178 W	45	64
9 28	23 34.32	− 1 10.0	2.321	3.309	3.5	22.2	169 E	44	65
10 8	23 26.44	− 2 7.7	2.321	3.262	7.0	22.3	157 E	43	66
10 18	23 19.68	− 2 58.8	2.349	3.215	10.3	22.4	145 E	42	67
		523612 2006 BH							
9 8	23 55.12	+36 38.4	4.542	5.315	7.5	25.7	136 W	82	27
9 18	23 47.45	+36 27.4	4.494	5.318	6.7	25.6	142 W	81	28
9 28	23 39.68	+36 0.5	4.471	5.321	6.2	25.6	145 E	81	28
10 8	23 32.30	+35 19.3	4.474	5.323	6.2	25.6	145 E	80	29
10 18	23 25.75	+34 26.8	4.504	5.324	6.6	25.6	142 E	79	30
		366387 2001 CT_{20}							
9 8	23 56.96	−31 2.8	3.705	4.619	5.9	22.6	152 W	14	85
9 13	23 53.42	−31 31.8	3.707	4.616	6.0	22.6	151 W	13	84
9 18	23 49.79	−31 57.3	3.716	4.613	6.3	22.7	150 W	13	84
9 23	23 46.13	−32 18.8	3.732	4.609	6.7	22.7	147 E	13	84
9 28	23 42.52	−32 36.2	3.754	4.605	7.3	22.7	144 E	12	83
10 3	23 39.02	−32 49.3	3.782	4.601	7.9	22.8	141 E	12	83
10 8	23 35.70	−32 57.9	3.817	4.597	8.5	22.8	137 E	12	83
		475665 2006 VY_{13}							
9 18	0 33.41	− 1 6.8	3.037	4.024	3.2	22.9	167 W	44	65
9 28	0 25.75	− 2 2.6	2.988	3.988	1.1	22.6	176 W	43	66
10 8	0 17.84	− 2 57.1	2.970	3.951	3.2	22.8	167 E	42	67
10 18	0 10.26	− 3 46.4	2.984	3.913	6.0	22.9	156 E	41	68
10 28	0 3.58	− 4 27.0	3.026	3.874	8.7	23.0	144 E	41	68
		163067 2002 AP_3							
9 18	0 37.31	− 8 29.7	1.921	2.903	5.2	24.0	165 W	37	72
9 23	0 31.59	− 9 6.6	1.931	2.920	4.1	23.9	168 W	36	73
9 28	0 25.82	− 9 40.7	1.949	2.937	4.0	24.0	168 W	35	74
10 3	0 20.15	−10 11.2	1.975	2.953	4.9	24.0	165 E	35	74
10 8	0 14.67	−10 37.5	2.007	2.969	6.4	24.2	161 E	34	75
10 13	0 9.52	−10 59.2	2.048	2.984	8.0	24.3	155 E	34	75
10 18	0 4.78	−11 16.0	2.095	2.999	9.6	24.4	150 E	34	75
		417874 2007 NC_5							
9 18	0 38.60	− 4 40.5	3.627	4.608	3.1	24.5	166 W	40	69
9 28	0 30.40	− 5 44.2	3.617	4.611	1.8	24.4	172 W	39	70
10 8	0 22.10	− 6 43.5	3.640	4.612	3.2	24.5	165 E	38	71
10 18	0 14.21	− 7 35.1	3.695	4.612	5.4	24.7	154 E	37	72
10 28	0 7.17	− 8 16.7	3.781	4.611	7.5	24.8	143 E	37	72
		350518 2000 CH_{72}							
9 18	0 41.21	− 4 31.2	2.544	3.525	4.2	22.3	165 W	40	69
9 28	0 33.20	− 5 24.2	2.509	3.503	2.4	22.2	172 W	40	69
10 8	0 24.87	− 6 12.6	2.504	3.481	4.0	22.3	166 E	39	70
10 18	0 16.91	− 6 51.9	2.529	3.458	7.0	22.4	155 E	38	71
10 28	0 10.00	− 7 19.0	2.581	3.434	9.8	22.6	144 E	38	71

2020	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
		504034 2005 UJ_{159}							
	h m	° ′			°	m	°	°	°
9 18	0 42.27	−41 59.1	5.187	5.969	6.5	25.5	138 W	3	74
9 23	0 38.42	−42 17.4	5.205	5.976	6.6	25.6	137 W	3	74
9 28	0 34.51	−42 31.9	5.229	5.983	6.8	25.6	135 W	2	73
10 3	0 30.58	−42 42.4	5.259	5.990	7.0	25.6	133 E	2	73
10 8	0 26.69	−42 48.8	5.294	5.996	7.2	25.6	131 E	2	73
10 13	0 22.90	−42 51.1	5.335	6.002	7.5	25.7	128 E	2	73
10 18	0 19.26	−42 49.3	5.381	6.008	7.8	25.7	125 E	2	73
		293054 2006 WP_{127}							
9 18	0 44.22	+ 3 20.8	3.117	4.092	3.9	24.2	164 W	48	61
9 28	0 35.71	+ 2 20.7	3.122	4.121	1.0	24.0	176 W	47	62
10 8	0 27.17	+ 1 21.0	3.159	4.150	2.0	24.1	172 E	46	63
10 18	0 19.16	+ 0 25.5	3.228	4.177	4.7	24.4	160 E	45	64
10 28	0 12.19	− 0 22.2	3.329	4.203	7.2	24.6	148 E	45	64
		96177 1984 BC							
9 18	0 55.98	−17 30.9	4.284	5.219	4.5	23.1	156 W	27	82
9 28	0 50.22	−18 22.5	4.263	5.206	4.1	23.1	158 W	27	82
10 8	0 44.16	−19 5.4	4.271	5.193	4.7	23.1	155 E	26	83
10 18	0 38.20	−19 37.3	4.308	5.179	5.9	23.2	148 E	25	84
10 28	0 32.72	−19 56.7	4.372	5.165	7.2	23.3	139 E	25	84
		508791 2000 EH_{104}							
9 18	0 56.28	+ 0 56.8	3.073	4.038	4.6	23.9	161 W	46	63
9 28	0 48.92	+ 0 12.9	3.045	4.040	1.9	23.7	172 W	45	64
10 8	0 41.21	− 0 30.4	3.048	4.041	1.8	23.7	173 E	44	65
10 18	0 33.71	− 1 9.5	3.082	4.041	4.4	23.9	162 E	44	65
10 28	0 26.98	− 1 41.3	3.146	4.040	7.0	24.0	151 E	43	66
		501878 2014 WF_{365}							
9 18	0 58.26	− 3 42.3	2.906	3.870	4.8	22.9	161 W	41	68
9 28	0 49.53	− 5 0.5	2.861	3.851	2.7	22.7	170 W	40	69
10 8	0 40.28	− 6 15.4	2.849	3.830	3.3	22.7	167 E	39	70
10 18	0 31.16	− 7 22.3	2.870	3.808	5.8	22.9	157 E	38	71
10 28	0 22.83	− 8 17.0	2.921	3.785	8.5	23.0	146 E	37	72
		163026 2001 XR_{30}							
9 18	1 1.54	+29 53.4	0.855	1.765	20.0	22.9	143 W	75	34
9 23	0 53.45	+29 24.3	0.828	1.762	17.5	22.7	148 W	74	35
9 28	0 44.54	+28 39.1	0.806	1.757	15.2	22.6	153 W	74	35
10 3	0 35.11	+27 37.7	0.789	1.752	13.3	22.5	156 E	73	36
10 8	0 25.57	+26 21.1	0.778	1.746	12.2	22.4	158 E	71	38
10 13	0 16.29	+24 51.1	0.773	1.739	12.3	22.4	158 E	70	39
10 18	0 7.66	+23 11.1	0.774	1.731	13.7	22.4	156 E	68	41
		458135 2010 GE_{25}							
9 18	1 4.09	+33 37.2	2.197	3.034	12.4	25.1	140 W	79	30
9 23	0 58.31	+33 43.3	2.166	3.034	11.3	25.0	144 W	79	30
9 28	0 52.15	+33 42.3	2.141	3.033	10.3	24.9	147 W	79	30
10 3	0 45.75	+33 34.1	2.123	3.033	9.4	24.9	150 W	79	30
10 8	0 39.24	+33 18.9	2.111	3.032	8.8	24.8	152 E	78	31
10 13	0 32.79	+32 56.9	2.106	3.030	8.6	24.8	153 E	78	31
10 18	0 26.54	+32 28.8	2.109	3.028	8.7	24.8	153 E	77	32
10 23	0 20.67	+31 55.4	2.118	3.026	9.2	24.8	151 E	77	32
		508786 2000 BL_{19}							
9 18	1 5.11	+25 10.5	3.604	4.475	7.1	26.5	146 W	70	39
9 28	0 57.40	+24 49.0	3.540	4.471	5.4	26.3	155 W	70	39
10 8	0 49.20	+24 14.4	3.506	4.465	4.1	26.2	162 E	69	40
10 18	0 41.03	+23 28.8	3.502	4.458	4.1	26.2	162 E	68	41
10 28	0 33.48	+22 35.4	3.529	4.451	5.4	26.3	155 E	68	41
		67381 2000 OL_{8}							
9 18	1 6.05	+27 49.3	1.094	1.997	17.1	22.4	144 W	73	36
9 23	0 56.74	+27 28.8	1.075	2.005	14.7	22.3	149 W	72	37
9 28	0 46.87	+26 56.0	1.063	2.013	12.5	22.2	154 W	72	37
10 3	0 36.75	+26 11.2	1.057	2.019	10.8	22.1	158 W	71	38
10 8	0 26.74	+25 15.6	1.058	2.025	10.0	22.1	159 E	70	39
10 13	0 17.15	+24 11.2	1.067	2.029	10.3	22.1	159 E	69	40
10 18	0 8.29	+23 0.4	1.082	2.033	11.5	22.2	156 E	68	41
10 23	0 0.41	+21 46.2	1.104	2.035	13.4	22.3	152 E	67	42
10 28	23 53.66	+20 31.3	1.132	2.037	15.6	22.5	147 E	66	43
		373618 2002 FM							
9 18	1 15.05	+21 44.3	2.960	3.844	8.1	22.1	147 W	67	42
9 28	1 6.52	+21 40.2	2.933	3.876	5.8	22.0	157 W	67	42
10 8	0 57.45	+21 23.2	2.936	3.908	3.9	22.0	164 W	66	43
10 18	0 48.49	+20 55.7	2.969	3.938	3.9	22.0	165 E	66	43
10 28	0 40.33	+20 21.1	3.033	3.968	5.5	22.1	157 E	65	44
11 7	0 33.49	+19 43.8	3.126	3.998	7.6	22.3	148 E	65	44

2020	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
		8201 1994 AH_{2}							
	h m	° ′			°	m	°	°	°
9 18	1 15.56	+ 1 35.8	3.366	4.306	5.3	21.9	157 W	47	62
9 28	1 8.26	+ 0 38.2	3.314	4.298	2.9	21.8	167 W	46	63
10 8	1 0.38	− 0 19.9	3.294	4.289	1.5	21.6	174 W	45	64
10 18	0 52.43	− 1 14.9	3.307	4.279	3.4	21.8	165 E	44	65
10 28	0 44.94	− 2 3.2	3.352	4.267	5.8	21.9	154 E	43	66
11 7	0 38.42	− 2 42.1	3.425	4.255	8.1	22.1	143 E	42	67
		428601 2008 ET_{92}							
9 18	1 16.69	−25 26.9	2.145	3.040	10.3	22.0	147 W	20	89
9 23	1 12.44	−26 10.1	2.135	3.037	9.9	22.0	149 W	19	90
9 28	1 7.86	−26 48.2	2.132	3.034	9.8	22.0	149 W	18	89
10 3	1 3.05	−27 20.4	2.135	3.031	10.1	22.0	148 W	18	89
10 8	0 58.13	−27 45.8	2.144	3.027	10.5	22.0	146 W	17	88
10 13	0 53.22	−28 4.1	2.160	3.023	11.2	22.1	144 E	17	88
10 18	0 48.44	−28 14.9	2.181	3.019	12.1	22.1	141 E	17	88
10 23	0 43.91	−28 18.0	2.208	3.015	13.0	22.2	137 E	17	88
10 28	0 39.74	−28 13.6	2.241	3.010	13.9	22.2	133 E	17	88
11 2	0 36.02	−28 2.2	2.278	3.005	14.8	22.3	129 E	17	88
11 7	0 32.82	−27 44.2	2.320	3.000	15.7	22.4	125 E	17	88
		153957 2002 AB_{29}							
9 18	1 17.24	−56 24.2	3.705	4.326	11.3	24.5	122 W	—	60
9 23	1 11.02	−56 54.3	3.710	4.317	11.5	24.5	121 W	—	59
9 28	1 4.44	−57 17.7	3.719	4.308	11.6	24.5	120 W	—	59
10 3	0 57.61	−57 33.9	3.733	4.299	11.8	24.5	118 W	—	58
10 8	0 50.68	−57 42.8	3.750	4.289	12.0	24.6	116 E	—	58
10 13	0 43.81	−57 44.3	3.772	4.279	12.3	24.6	114 E	—	58
10 18	0 37.13	−57 38.4	3.797	4.269	12.5	24.6	112 E	—	58
10 23	0 30.80	−57 25.3	3.826	4.259	12.7	24.6	109 E	—	59
		163051 2001 YJ_{4}							
9 18	1 18.60	+18 54.4	2.536	3.433	8.8	21.6	149 W	64	45
9 28	1 9.73	+18 6.6	2.494	3.451	5.8	21.4	160 W	63	46
10 8	1 0.15	+17 5.5	2.483	3.468	3.2	21.3	169 W	62	47
10 18	0 50.64	+15 55.2	2.502	3.483	3.4	21.3	168 E	61	48
10 28	0 41.99	+14 41.3	2.553	3.497	5.9	21.5	159 E	60	49
11 7	0 34.82	+13 29.8	2.634	3.510	8.7	21.7	147 E	58	51
		380954 2006 KR_{124}							
9 18	1 23.85	− 0 21.1	2.877	3.809	6.5	22.4	155 W	45	64
9 28	1 16.77	− 1 16.4	2.834	3.811	3.9	22.2	165 W	44	65
10 8	1 8.96	− 2 10.6	2.821	3.812	2.3	22.1	171 W	43	66
10 18	1 1.01	− 2 59.7	2.840	3.812	3.8	22.2	165 E	42	67
10 28	0 53.54	− 3 39.8	2.889	3.811	6.4	22.4	155 E	41	68
		187799 1999 FK_{16}							
9 18	1 24.27	+ 7 59.2	4.575	5.488	4.8	21.6	153 W	53	56
9 28	1 19.88	+ 7 17.0	4.519	5.489	2.9	21.5	164 W	52	57
10 8	1 15.02	+ 6 32.1	4.493	5.489	0.9	21.3	175 W	52	57
10 18	1 10.02	+ 5 46.4	4.499	5.489	1.2	21.3	173 E	51	58
10 28	1 5.22	+ 5 2.5	4.535	5.489	3.2	21.5	162 E	50	59
11 7	1 0.95	+ 4 22.7	4.602	5.489	5.0	21.6	151 E	49	60
		508810 2000 WD_{13}							
9 18	1 31.29	−31 44.6	2.794	3.627	10.1	22.0	141 W	13	84
9 23	1 27.25	−32 22.2	2.775	3.616	9.9	22.0	142 W	13	84
9 28	1 22.86	−32 55.3	2.763	3.605	9.9	21.9	142 W	12	83
10 3	1 18.18	−33 23.0	2.756	3.593	10.0	21.9	141 W	12	83
10 8	1 13.32	−33 44.7	2.756	3.581	10.3	21.9	140 W	11	82
10 13	1 8.38	−33 59.9	2.762	3.569	10.7	21.9	138 E	11	82
10 18	1 3.45	−34 8.3	2.774	3.556	11.3	22.0	136 E	11	82
10 23	0 58.66	−34 9.7	2.791	3.543	11.9	22.0	133 E	11	82
10 28	0 54.10	−34 4.2	2.814	3.530	12.5	22.0	130 E	11	82
11 2	0 49.86	−33 51.9	2.842	3.517	13.2	22.1	126 E	11	82
11 7	0 46.03	−33 33.4	2.874	3.503	13.9	22.1	122 E	11	82
		441875 2010 AX_{128}							
9 18	1 33.70	+34 18.6	2.497	3.289	12.4	21.5	135 W	79	30
9 23	1 29.14	+34 30.9	2.473	3.303	11.3	21.5	140 W	80	29
9 28	1 24.17	+34 37.5	2.454	3.317	10.2	21.4	144 W	80	29
10 3	1 18.91	+34 38.2	2.442	3.331	9.2	21.4	148 W	80	29
10 8	1 13.46	+34 33.0	2.436	3.345	8.3	21.3	151 W	80	29
10 13	1 7.95	+34 22.0	2.437	3.358	7.7	21.3	153 E	79	30
10 18	1 2.50	+34 5.5	2.444	3.372	7.3	21.3	155 E	79	30
10 23	0 57.25	+33 44.1	2.459	3.385	7.3	21.3	155 E	79	30
10 28	0 52.30	+33 18.6	2.481	3.398	7.6	21.4	153 E	78	31
11 2	0 47.77	+32 49.8	2.510	3.410	8.2	21.4	151 E	78	31
11 7	0 43.72	+32 18.7	2.546	3.423	9.0	21.5	147 E	77	32

20/21	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
		90416 2003 YK_{118}							
	h m	° ′			°	m	°	°	°
9 18	1 35.93	+19 56.1	1.637	2.525	13.3	22.5	145 W	65	44
9 28	1 24.08	+19 28.2	1.578	2.528	9.2	22.2	156 W	64	45
10 8	1 10.42	+18 37.7	1.546	2.529	5.2	22.0	167 W	64	45
10 18	0 56.32	+17 28.6	1.543	2.527	4.6	22.0	168 E	62	47
10 28	0 43.28	+16 9.0	1.571	2.523	8.2	22.2	159 E	61	48
11 7	0 32.55	+14 49.1	1.627	2.517	12.3	22.4	147 E	60	49
		378214 Sauron							
9 18	1 39.52	+11 52.7	1.939	2.841	10.8	22.1	148 W	57	52
9 28	1 32.22	+11 12.9	1.857	2.818	7.1	21.8	160 W	56	53
10 8	1 23.27	+10 21.4	1.802	2.795	3.0	21.5	172 W	55	54
10 18	1 13.49	+ 9 22.1	1.776	2.770	1.6	21.4	175 E	54	55
10 28	1 3.95	+ 8 21.4	1.779	2.745	6.0	21.6	163 E	53	56
11 7	0 55.64	+ 7 25.9	1.810	2.719	10.2	21.8	151 E	52	57
		452691 2005 YW_3							
9 18	1 39.52	−18 55.3	3.840	4.712	6.7	22.0	147 W	26	83
9 28	1 33.61	−19 55.4	3.797	4.701	5.9	21.9	151 W	25	84
10 8	1 26.94	−20 46.1	3.783	4.690	5.7	21.9	152 W	24	85
10 18	1 19.94	−21 24.1	3.796	4.678	6.3	21.9	149 E	24	85
10 28	1 13.09	−21 46.8	3.838	4.665	7.5	22.0	142 E	23	86
11 7	1 6.85	−21 53.4	3.904	4.651	8.8	22.1	134 E	23	86
		459491 2013 CC_{128}							
9 18	1 41.38	+ 5 38.2	1.447	2.368	12.5	22.0	149 W	51	58
9 28	1 32.36	+ 4 42.1	1.415	2.386	7.7	21.8	161 W	50	59
10 8	1 21.73	+ 3 41.3	1.410	2.404	2.9	21.6	173 W	49	60
10 18	1 10.73	+ 2 43.1	1.432	2.421	3.5	21.6	171 E	48	61
10 28	1 0.68	+ 1 55.2	1.482	2.438	8.2	22.0	160 E	47	62
11 7	0 52.64	+ 1 23.0	1.557	2.453	12.5	22.3	148 E	46	63
		187746 1976 DC							
9 18	1 43.91	+41 20.5	2.227	2.962	15.3	21.3	129 W	86	23
9 23	1 39.43	+41 47.7	2.179	2.953	14.5	21.3	133 W	87	22
9 28	1 34.27	+42 8.4	2.136	2.944	13.6	21.2	136 W	87	22
10 3	1 28.52	+42 21.9	2.097	2.934	12.7	21.1	140 W	87	22
10 8	1 22.32	+42 27.7	2.065	2.924	11.9	21.0	143 W	87	22
10 13	1 15.79	+42 25.1	2.038	2.914	11.2	21.0	145 W	87	22
10 18	1 9.11	+42 14.1	2.017	2.904	10.8	20.9	147 E	87	22
10 23	1 2.49	+41 54.8	2.003	2.893	10.6	20.9	148 E	87	22
10 28	0 56.10	+41 27.9	1.995	2.883	10.7	20.9	147 E	86	23
11 2	0 50.12	+40 54.2	1.994	2.872	11.1	20.9	146 E	86	23
11 7	0 44.69	+40 14.7	1.999	2.860	11.8	20.9	144 E	85	24
11 12	0 39.94	+39 30.8	2.010	2.849	12.6	20.9	141 E	85	24
11 17	0 35.97	+38 43.8	2.027	2.837	13.6	21.0	138 E	84	25
11 22	0 32.83	+37 55.2	2.049	2.825	14.6	21.0	134 E	83	26
11 27	0 30.54	+37 6.2	2.076	2.812	15.6	21.1	130 E	82	27
12 2	0 29.12	+36 18.2	2.108	2.800	16.6	21.1	126 E	81	28
12 7	0 28.55	+35 32.0	2.143	2.787	17.6	21.2	121 E	81	28
12 12	0 28.79	+34 48.6	2.182	2.774	18.4	21.3	117 E	80	29*
12 17	0 29.81	+34 8.4	2.224	2.760	19.2	21.3	113 E	79	29*
12 22	0 31.58	+33 32.1	2.269	2.747	19.8	21.4	109 E	79	29*
12 27	0 34.04	+33 0.0	2.315	2.733	20.4	21.4	105 E	78	29*
1 1	0 37.14	+32 32.3	2.362	2.718	20.8	21.5	100 E	78	28*
		468864 2013 PM_5							
9 18	1 47.23	+13 3.9	1.495	2.392	13.7	22.0	146 W	58	51
9 28	1 39.02	+12 13.1	1.463	2.419	9.1	21.8	158 W	57	52
10 8	1 29.16	+11 9.4	1.455	2.446	4.1	21.5	170 W	56	53
10 18	1 18.80	+ 9 59.1	1.476	2.471	1.3	21.4	177 E	55	54
10 28	1 9.22	+ 8 50.5	1.524	2.496	6.1	21.8	165 E	54	55
11 7	1 1.48	+ 7 51.3	1.600	2.520	10.5	22.1	152 E	53	56
		237465 1999 YG_{19}							
9 18	2 4.36	+ 8 36.1	1.204	2.096	16.7	21.3	143 W	54	55
9 28	1 56.77	+ 7 43.0	1.174	2.124	11.6	21.1	155 W	53	56
10 8	1 46.84	+ 6 40.9	1.166	2.152	6.0	20.9	167 W	52	57
10 18	1 35.85	+ 5 37.5	1.184	2.179	1.9	20.7	176 W	51	58
10 28	1 25.38	+ 4 41.9	1.228	2.205	6.2	21.0	166 E	50	59
11 7	1 16.75	+ 4 1.3	1.297	2.232	11.1	21.4	154 E	49	60
11 17	1 10.83	+ 3 39.8	1.389	2.257	15.4	21.7	143 E	49	60
		511795 2015 FR_{35}							
9 18	2 22.36	+23 14.3	1.129	1.963	21.7	21.3	134 W	68	41
9 23	2 22.33	+23 21.3	1.080	1.948	20.0	21.1	138 W	68	41
9 28	2 21.41	+23 22.2	1.034	1.933	18.0	20.9	143 W	68	41
10 3	2 19.61	+23 16.4	0.992	1.918	15.8	20.8	148 W	68	41
10 8	2 16.95	+23 3.3	0.954	1.903	13.4	20.6	154 W	68	41
10 13	2 13.49	+22 42.7	0.921	1.888	10.8	20.4	159 W	68	41
10 18	2 9.37	+22 14.2	0.894	1.873	8.2	20.2	164 W	67	42
10 23	2 4.75	+21 38.3	0.872	1.859	5.8	20.0	169 W	67	42

20/21	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
		511795 2015 FR_{35} *(continuation)*							
	h m	° ′			°	m	°	°	°
10 28	1 59.87	+20 55.8	0.855	1.844	4.4	19.9	172 E	66	43
11 2	1 54.97	+20 8.0	0.845	1.830	5.3	19.9	170 E	65	44
11 7	1 50.29	+19 16.5	0.840	1.817	7.8	20.0	166 E	64	45
11 12	1 46.07	+18 23.2	0.840	1.803	10.7	20.1	160 E	63	46
11 17	1 42.52	+17 30.1	0.846	1.790	13.8	20.2	155 E	63	46
11 22	1 39.83	+16 39.2	0.857	1.777	16.7	20.3	149 E	62	47
11 27	1 38.12	+15 52.5	0.872	1.765	19.5	20.4	143 E	61	48
12 2	1 37.46	+15 11.0	0.891	1.752	22.2	20.5	138 E	60	49
12 7	1 37.87	+14 35.8	0.914	1.741	24.5	20.6	133 E	60	49
12 12	1 39.34	+14 7.4	0.940	1.729	26.7	20.8	128 E	59	50
12 17	1 41.87	+13 46.0	0.969	1.719	28.6	20.9	123 E	59	50
12 22	1 45.40	+13 31.6	0.999	1.708	30.3	21.0	119 E	59	50
12 27	1 49.87	+13 23.9	1.032	1.698	31.7	21.1	115 E	58	51
1 1	1 55.23	+13 22.5	1.066	1.689	32.9	21.2	111 E	58	51*
1 6	2 1.39	+13 26.6	1.101	1.680	34.0	21.2	107 E	58	50*
1 11	2 8.32	+13 35.9	1.137	1.672	34.8	21.3	104 E	59	49*
1 16	2 15.95	+13 49.6	1.174	1.664	35.5	21.4	101 E	59	49*
		434051 2001 UW_{16}							
9 18	2 26.70	−50 10.8	0.797	1.568	33.5	21.5	121 W	—	66
9 23	2 10.15	−50 27.1	0.774	1.562	32.8	21.4	122 W	—	66
9 28	1 51.23	−50 17.7	0.754	1.555	32.3	21.3	124 W	—	66
10 3	1 30.72	−49 36.6	0.737	1.548	31.9	21.2	125 W	—	66
10 8	1 9.63	−48 19.8	0.725	1.540	31.8	21.2	126 W	—	68
10 13	0 49.12	−46 25.8	0.719	1.531	32.0	21.2	126 E	—	70
10 18	0 30.19	−43 56.8	0.717	1.523	32.6	21.2	125 E	1	72
10 23	0 13.57	−40 57.8	0.721	1.514	33.4	21.2	123 E	4	75
10 28	23 59.61	−37 35.9	0.730	1.504	34.6	21.2	121 E	7	78
11 2	23 48.34	−33 58.8	0.744	1.494	35.9	21.3	118 E	11	82
11 7	23 39.61	−30 13.5	0.764	1.484	37.3	21.4	115 E	15	86
11 12	23 33.17	−26 25.8	0.787	1.473	38.7	21.5	111 E	19	90
		503880 2000 YJ_{29}							
9 18	2 34.97	+71 33.4	1.620	2.070	28.4	21.9	102 W	63	—
9 20	2 26.85	+71 42.3	1.621	2.089	27.9	21.9	103 W	63	—
9 22	2 18.33	+71 48.2	1.621	2.108	27.5	21.9	104 W	63	—
9 24	2 9.48	+71 50.8	1.621	2.127	27.0	21.9	106 W	63	—
9 26	2 0.37	+71 50.1	1.622	2.146	26.5	21.9	107 W	63	—
9 28	1 51.10	+71 45.9	1.624	2.164	26.0	21.9	109 W	63	—
9 30	1 41.76	+71 38.1	1.626	2.183	25.5	21.9	110 W	63	—
10 2	1 32.45	+71 26.6	1.628	2.201	25.0	21.9	111 W	64	—
10 4	1 23.26	+71 11.4	1.630	2.219	24.6	21.9	113 W	64	—
10 6	1 14.28	+70 52.7	1.634	2.236	24.1	21.9	114 W	64	—
10 8	1 5.59	+70 30.4	1.638	2.254	23.6	21.9	115 W	64	—
10 10	0 57.25	+70 4.6	1.642	2.271	23.2	22.0	117 E	65	—
10 12	0 49.32	+69 35.6	1.647	2.289	22.7	22.0	118 E	65	—
10 14	0 41.85	+69 3.6	1.653	2.306	22.3	22.0	119 E	66	—
10 16	0 34.86	+68 28.6	1.660	2.323	21.9	22.0	120 E	67	—
10 18	0 28.38	+67 51.1	1.667	2.339	21.5	22.0	121 E	67	—
10 23	0 14.41	+66 7.2	1.689	2.380	20.5	22.0	123 E	69	—
10 28	0 3.51	+64 12.5	1.716	2.421	19.8	22.1	124 E	71	—
11 2	23 55.38	+62 10.6	1.749	2.460	19.2	22.1	125 E	73	2
11 7	23 49.66	+60 5.0	1.788	2.498	18.8	22.2	126 E	75	4
		436616 2011 LC_1							
9 18	3 4.08	+13 21.5	1.731	2.478	18.7	21.4	128 W	58	51
9 28	3 0.50	+12 15.4	1.678	2.519	15.3	21.3	139 W	57	52
10 8	2 54.25	+10 58.2	1.644	2.559	11.2	21.1	150 W	56	53
10 18	2 45.91	+ 9 34.4	1.634	2.599	6.9	21.0	162 W	55	54
10 28	2 36.45	+ 8 10.6	1.651	2.639	3.1	20.8	172 W	53	56
11 7	2 26.98	+ 6 54.2	1.697	2.677	4.0	21.0	169 E	52	57
11 17	2 18.52	+ 5 51.4	1.772	2.715	7.8	21.3	158 E	51	58
11 27	2 11.92	+ 5 6.3	1.873	2.753	11.3	21.6	147 E	50	59
		491090 2011 SL_{12}							
9 18	3 9.85	+ 9 2.2	0.787	1.608	29.8	21.2	127 W	54	55
9 23	3 12.73	+ 6 17.4	0.755	1.608	27.8	21.1	132 W	51	58
9 28	3 14.51	+ 3 17.4	0.728	1.608	25.6	20.9	136 W	48	61
10 3	3 15.16	+ 0 4.7	0.706	1.608	23.5	20.8	140 W	45	64
10 8	3 14.66	− 3 17.1	0.689	1.608	21.5	20.7	144 W	42	67
10 13	3 13.04	− 6 43.1	0.678	1.608	19.9	20.6	147 W	38	71
10 18	3 10.38	−10 7.3	0.672	1.609	18.9	20.5	149 W	35	74
10 23	3 6.82	−13 23.3	0.673	1.609	18.6	20.5	149 W	32	77
10 28	3 2.59	−16 25.0	0.680	1.610	19.2	20.6	148 W	29	80
11 2	2 57.91	−19 7.5	0.693	1.611	20.5	20.7	145 W	26	83
11 7	2 53.06	−21 27.3	0.710	1.612	22.1	20.8	142 W	24	85
11 12	2 48.28	−23 22.5	0.732	1.614	23.9	20.9	139 E	22	87
11 17	2 43.86	−24 52.5	0.758	1.615	25.8	21.0	135 E	20	89
11 22	2 40.03	−25 58.3	0.788	1.617	27.5	21.2	131 E	19	90
11 27	2 36.96	−26 41.6	0.820	1.619	29.2	21.3	127 E	18	89
12 2	2 34.77	−27 4.8	0.855	1.620	30.6	21.4	123 E	18	89
12 7	2 33.51	−27 10.2	0.891	1.622	31.9	21.6	120 E	18	89

20/21	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
426362 2013 ND_{11}									
	h m	° ′			°	m	°	°	°
9 18	3 46.32	+19 35.2	1.485	2.132	24.9	21.5	117 W	65	44
9 28	3 45.15	+20 15.1	1.419	2.169	21.8	21.3	126 W	65	44
10 8	3 40.16	+20 46.2	1.365	2.206	17.9	21.1	137 W	66	43
10 18	3 31.52	+21 6.6	1.328	2.242	13.2	20.9	149 W	66	43
10 28	3 20.02	+21 14.6	1.314	2.277	8.0	20.7	161 W	66	43
11 7	3 7.01	+21 10.5	1.325	2.312	2.8	20.5	174 W	66	43
11 17	2 54.12	+20 56.9	1.364	2.347	3.6	20.7	171 E	66	43
11 27	2 42.94	+20 39.3	1.432	2.380	8.4	21.0	159 E	66	43
12 7	2 34.58	+20 23.6	1.525	2.413	12.7	21.4	147 E	65	44
112661 2002 PR_{87}									
9 18	3 52.54	+ 9 17.4	2.325	2.919	17.9	21.5	117 W	54	55
9 28	3 51.07	+ 8 43.9	2.224	2.935	15.9	21.3	127 W	54	55
10 8	3 47.05	+ 8 4.8	2.137	2.950	13.3	21.2	137 W	53	56
10 18	3 40.59	+ 7 22.5	2.070	2.963	10.2	21.0	148 W	52	57
10 28	3 32.09	+ 6 40.2	2.028	2.976	6.9	20.8	159 W	52	57
11 7	3 22.25	+ 6 2.1	2.014	2.987	4.3	20.7	167 W	51	58
11 17	3 11.98	+ 5 31.9	2.029	2.998	4.6	20.7	166 E	51	58
11 27	3 2.27	+ 5 13.3	2.075	3.007	7.4	20.9	157 E	50	59
12 7	2 53.98	+ 5 8.2	2.149	3.016	10.5	21.1	146 E	50	59
12 17	2 47.71	+ 5 17.2	2.246	3.023	13.3	21.3	135 E	50	59
163364 2002 OD_{20}									
9 18	3 52.75	+25 45.1	1.031	1.704	32.7	21.4	114 W	71	38
9 23	3 56.82	+26 4.9	0.970	1.687	31.8	21.2	118 W	71	38
9 28	4 0.06	+26 22.1	0.910	1.670	30.7	21.0	122 W	71	38
10 3	4 2.35	+26 36.3	0.852	1.652	29.4	20.8	126 W	72	37
10 8	4 3.54	+26 47.1	0.797	1.633	27.7	20.6	131 W	72	37
10 13	4 3.46	+26 53.9	0.743	1.613	25.7	20.4	135 W	72	37
10 18	4 1.94	+26 55.6	0.692	1.593	23.4	20.1	141 W	72	37
10 23	3 58.84	+26 51.3	0.645	1.572	20.6	19.8	146 W	72	37
10 28	3 54.06	+26 39.5	0.601	1.550	17.5	19.6	152 W	72	37
11 2	3 47.51	+26 18.7	0.560	1.527	13.8	19.3	158 W	71	38
11 7	3 39.22	+25 47.1	0.525	1.504	9.9	18.9	165 W	71	38
11 12	3 29.33	+25 3.2	0.494	1.480	5.8	18.6	171 W	70	39
11 17	3 18.13	+24 5.9	0.468	1.455	3.9	18.3	174 E	69	40
11 22	3 6.12	+22 55.6	0.447	1.430	7.4	18.4	169 E	68	41
11 27	2 53.89	+21 34.4	0.432	1.404	12.6	18.5	162 E	67	42
12 2	2 42.06	+20 5.3	0.421	1.377	18.3	18.6	154 E	65	44
12 7	2 31.18	+18 32.4	0.415	1.350	24.0	18.7	146 E	64	45
12 12	2 21.71	+17 0.3	0.412	1.322	29.5	18.8	139 E	62	47
12 17	2 13.98	+15 33.0	0.413	1.294	34.9	18.9	131 E	61	48
12 22	2 8.17	+14 13.6	0.415	1.265	39.9	19.0	124 E	59	50
12 27	2 4.29	+13 3.9	0.418	1.237	44.6	19.1	118 E	58	51
1 1	2 2.25	+12 4.4	0.422	1.207	49.0	19.2	112 E	57	52*
1 6	2 1.91	+11 14.8	0.426	1.178	53.1	19.2	107 E	56	52*
1 11	2 3.14	+10 34.4	0.428	1.149	57.0	19.3	102 E	56	52*
1 16	2 5.78	+10 2.1	0.429	1.120	60.7	19.4	97 E	55	51*
172451 2003 QV_{79}									
9 18	4 9.16	+22 26.8	2.175	2.700	20.4	21.5	111 W	67	42
9 28	4 9.17	+22 56.1	2.065	2.713	18.6	21.3	120 W	68	41
10 8	4 6.20	+23 19.9	1.966	2.726	16.1	21.1	131 W	68	41
10 18	4 0.17	+23 36.7	1.883	2.738	13.0	20.9	142 W	69	40
10 28	3 51.33	+23 44.6	1.822	2.748	9.2	20.7	154 W	69	40
11 7	3 40.34	+23 42.6	1.786	2.758	5.0	20.5	166 W	69	40
11 12	3 34.35	+23 37.8	1.779	2.762	3.0	20.4	172 W	69	40
11 17	3 28.25	+23 30.6	1.780	2.767	1.6	20.3	175 E	69	40
11 22	3 22.19	+23 21.5	1.788	2.771	2.6	20.4	173 E	68	41
11 27	3 16.35	+23 10.9	1.804	2.774	4.6	20.5	167 E	68	41
12 2	3 10.87	+22 59.5	1.827	2.778	6.7	20.6	161 E	68	41
12 7	3 5.88	+22 47.8	1.857	2.781	8.7	20.8	155 E	68	41
12 12	3 1.48	+22 36.5	1.894	2.784	10.5	20.9	149 E	68	41
12 17	2 57.76	+22 26.2	1.937	2.786	12.3	21.0	143 E	67	42
12 22	2 54.75	+22 17.3	1.986	2.789	13.9	21.1	137 E	67	42
12 27	2 52.50	+22 10.4	2.039	2.791	15.3	21.2	132 E	67	42
1 1	2 51.00	+22 5.6	2.097	2.793	16.5	21.3	126 E	67	42
1 6	2 50.23	+22 3.2	2.158	2.794	17.6	21.4	121 E	67	42
360690 2004 SV_{20}									
9 18	4 25.24	+26 52.9	1.641	2.151	26.6	21.4	106 W	72	37
9 28	4 28.72	+27 45.7	1.558	2.181	24.6	21.3	115 W	73	36
10 8	4 28.51	+28 32.6	1.482	2.209	21.8	21.1	125 W	74	35
10 18	4 24.30	+29 11.4	1.418	2.238	18.3	21.0	135 W	74	35
10 28	4 16.18	+29 38.1	1.370	2.265	14.0	20.8	146 W	75	34
11 7	4 4.82	+29 48.6	1.343	2.292	9.3	20.6	158 W	75	34
11 17	3 51.52	+29 40.2	1.342	2.319	5.0	20.4	168 W	75	34
11 22	3 44.69	+29 29.1	1.352	2.332	4.0	20.4	171 E	74	35
11 27	3 38.07	+29 14.1	1.368	2.344	4.7	20.4	169 E	74	35
12 2	3 31.85	+28 56.1	1.392	2.357	6.4	20.6	164 E	74	35

20/21	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
360690 2004 SV_{20} *(continuation)*									
	h m	° ′			°	m	°	°	°
12 7	3 26.22	+28 36.0	1.423	2.369	8.5	20.7	159 E	74	35
12 12	3 21.32	+28 14.8	1.459	2.381	10.6	20.9	153 E	73	36
12 17	3 17.25	+27 53.7	1.502	2.393	12.7	21.0	148 E	73	36
12 22	3 14.09	+27 33.4	1.551	2.405	14.5	21.2	142 E	73	36
12 27	3 11.84	+27 14.9	1.604	2.416	16.2	21.3	137 E	72	37
1 1	3 10.51	+26 58.5	1.662	2.428	17.7	21.5	131 E	72	37
370829 2004 VL_{55}									
9 18	4 30.95	+44 29.8	1.072	1.607	37.8	21.3	101 W	89	20
9 23	4 44.68	+44 17.5	1.015	1.585	38.0	21.2	103 W	89	20
9 28	4 58.16	+43 52.8	0.959	1.564	38.1	21.0	106 W	89	20
10 3	5 11.25	+43 14.6	0.904	1.544	38.0	20.9	108 W	88	21
10 8	5 23.82	+42 21.6	0.851	1.524	37.8	20.7	111 W	87	22
10 13	5 35.71	+41 12.3	0.800	1.506	37.5	20.5	113 W	86	23
10 18	5 46.78	+39 45.1	0.751	1.489	36.9	20.3	116 W	85	24
10 23	5 56.87	+37 58.1	0.703	1.473	36.1	20.1	119 W	83	26
10 28	6 5.86	+35 49.5	0.659	1.458	35.0	20.0	123 W	81	28
11 2	6 13.65	+33 17.3	0.617	1.445	33.6	19.8	126 W	78	31
11 7	6 20.12	+30 19.9	0.578	1.433	32.0	19.5	130 W	75	34
11 12	6 25.17	+26 55.9	0.544	1.423	30.0	19.3	134 W	72	37
11 17	6 28.74	+23 5.1	0.513	1.414	27.8	19.1	138 W	68	41
11 22	6 30.84	+18 49.1	0.488	1.406	25.4	19.0	142 W	64	45
11 27	6 31.53	+14 12.0	0.469	1.400	23.1	18.8	146 W	59	50
12 2	6 30.91	+ 9 20.6	0.455	1.396	21.3	18.7	149 W	54	55
12 7	6 29.13	+ 4 24.7	0.448	1.394	20.1	18.6	151 W	49	60
12 9	6 28.14	+ 2 27.5	0.447	1.393	19.9	18.6	151 W	47	62
12 11	6 27.01	+ 0 32.1	0.447	1.393	19.9	18.6	151 W	46	63
12 13	6 25.76	− 1 20.7	0.448	1.393	20.1	18.6	151 W	44	65
12 15	6 24.41	− 3 10.3	0.450	1.393	20.4	18.6	150 W	42	67
12 17	6 22.99	− 4 56.1	0.452	1.394	20.8	18.6	150 W	40	69
12 22	6 19.23	− 9 0.3	0.463	1.396	22.4	18.7	147 W	36	73
12 27	6 15.45	−12 31.4	0.480	1.400	24.3	18.9	144 E	32	77
1 1	6 11.95	−15 26.7	0.500	1.406	26.3	19.0	141 E	30	79
1 6	6 8.97	−17 46.6	0.524	1.414	28.2	19.2	137 E	27	82
1 11	6 6.72	−19 33.1	0.552	1.423	29.9	19.4	134 E	25	84
1 16	6 5.35	−20 49.5	0.582	1.433	31.3	19.5	131 E	24	85
306788 2001 HV_{24}									
9 18	4 35.35	+20 29.6	1.608	2.106	27.4	21.5	105 W	65	44
9 28	4 39.71	+20 47.9	1.525	2.135	25.4	21.3	114 W	66	43
10 8	4 40.52	+21 0.9	1.448	2.165	22.7	21.2	123 W	66	43
10 18	4 37.49	+21 8.4	1.381	2.194	19.1	21.0	134 W	66	43
10 28	4 30.62	+21 9.6	1.330	2.222	14.7	20.8	146 W	66	43
11 7	4 20.46	+21 3.7	1.300	2.249	9.6	20.6	158 W	66	43
11 17	4 8.08	+20 50.7	1.294	2.276	4.0	20.3	171 W	66	43
11 22	4 1.55	+20 42.0	1.302	2.289	1.1	20.1	177 W	66	43
11 27	3 55.10	+20 32.4	1.317	2.302	1.7	20.2	176 E	66	43
12 2	3 48.92	+20 22.4	1.338	2.315	4.4	20.4	170 E	65	44
12 7	3 43.20	+20 12.6	1.367	2.327	7.1	20.6	163 E	65	44
12 12	3 38.10	+20 3.6	1.402	2.339	9.5	20.8	157 E	65	44
12 17	3 33.73	+19 56.0	1.443	2.351	11.8	21.0	151 E	65	44
12 22	3 30.19	+19 50.2	1.490	2.363	13.9	21.1	145 E	65	44
12 27	3 27.51	+19 46.7	1.543	2.375	15.7	21.3	139 E	65	44
1 1	3 25.70	+19 45.6	1.600	2.386	17.4	21.4	134 E	65	44
344146 2000 NP_{11}									
9 18	5 6.87	− 6 22.1	3.517	3.807	15.1	21.5	99 W	39*	70
9 28	5 8.30	− 7 14.3	3.376	3.794	14.6	21.4	107 W	38	71
10 8	5 7.90	− 8 8.7	3.243	3.780	13.8	21.2	115 W	37	72
10 18	5 5.55	− 9 2.3	3.121	3.766	12.7	21.1	124 W	36	73
10 28	5 1.22	− 9 51.2	3.015	3.750	11.4	21.0	132 W	35	74
11 7	4 55.05	−10 31.0	2.929	3.733	10.0	20.8	139 W	34	75
11 17	4 47.32	−10 57.4	2.867	3.716	8.9	20.7	144 W	34	75
11 27	4 38.54	−11 6.2	2.830	3.698	8.3	20.7	147 W	34	75
12 7	4 29.36	−10 54.9	2.821	3.679	8.6	20.7	146 E	34	75
12 17	4 20.48	−10 22.8	2.840	3.659	9.7	20.7	141 E	35	74
12 27	4 12.59	− 9 31.0	2.884	3.638	11.2	20.8	134 E	35	74
1 6	4 6.20	− 8 22.7	2.951	3.617	12.7	20.9	126 E	37	72
1 16	4 1.66	− 7 1.5	3.037	3.594	14.1	21.0	117 E	38	71
367708 2010 TV_{18}									
9 18	5 30.36	+23 58.7	1.527	1.857	32.7	21.4	92 W	68*	40*
9 28	5 43.46	+24 9.8	1.450	1.885	31.7	21.3	99 W	69	40
10 8	5 53.54	+24 16.8	1.375	1.914	30.1	21.2	106 W	69	40
10 18	6 0.09	+24 21.7	1.302	1.943	27.8	21.1	115 W	69	40
10 28	6 2.61	+24 25.9	1.235	1.973	24.6	20.9	124 W	69	40
11 7	6 0.80	+24 30.1	1.179	2.003	20.6	20.7	135 W	70	39
11 17	5 54.66	+24 33.1	1.137	2.033	15.8	20.5	146 W	70	39

(continuation)

20/21	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
	h m	° ′			°	m	°	°	°
367708 2010 TV_{18}									
11 22	5 50.12	+24 33.5	1.123	2.048	13.0	20.4	152 W	70	39
11 27	5 44.78	+24 32.8	1.114	2.063	10.2	20.3	158 W	70	39
12 2	5 38.84	+24 30.7	1.111	2.079	7.2	20.1	165 W	70	39
12 7	5 32.49	+24 27.0	1.115	2.094	4.1	20.0	171 W	69	40
12 12	5 26.00	+24 21.9	1.125	2.109	1.1	19.8	178 W	69	40
12 17	5 19.61	+24 15.3	1.142	2.124	2.1	20.0	175 E	69	40
12 22	5 13.57	+24 7.8	1.165	2.139	5.0	20.2	169 E	69	40
12 27	5 8.10	+23 59.7	1.195	2.154	7.8	20.4	163 E	69	40
1 1	5 3.35	+23 51.7	1.232	2.169	10.4	20.6	157 E	69	40
1 6	4 59.44	+23 44.1	1.274	2.184	12.8	20.8	151 E	69	40
1 11	4 56.44	+23 37.3	1.321	2.199	15.0	20.9	145 E	69	40
1 16	4 54.39	+23 31.7	1.373	2.213	16.9	21.1	139 E	69	40
278454 2007 TN_{84}									
9 18	5 41.17	+29 0.5	1.704	1.969	30.7	21.4	89 W	72*	35*
9 28	5 53.52	+29 43.5	1.623	2.001	29.8	21.4	96 W	75*	34*
10 8	6 2.96	+30 26.0	1.543	2.033	28.5	21.2	104 W	75	34
10 18	6 8.96	+31 9.7	1.466	2.065	26.4	21.1	113 W	76	33
10 28	6 10.98	+31 54.9	1.394	2.097	23.7	20.9	122 W	77	32
11 7	6 8.65	+32 40.1	1.332	2.129	20.2	20.8	132 W	78	31
11 17	6 1.83	+33 21.4	1.285	2.160	15.9	20.6	143 W	78	31
11 27	5 51.02	+33 52.2	1.258	2.191	11.1	20.4	155 W	79	30
12 2	5 44.49	+34 1.6	1.253	2.206	8.7	20.3	160 W	79	30
12 7	5 37.48	+34 6.1	1.255	2.222	6.5	20.2	165 W	79	30
12 12	5 30.27	+34 5.5	1.263	2.237	5.0	20.2	169 W	79	30
12 17	5 23.10	+33 59.7	1.278	2.252	4.9	20.2	169 E	79	30
12 22	5 16.26	+33 49.3	1.300	2.266	6.2	20.3	166 E	79	30
12 27	5 9.99	+33 34.9	1.329	2.281	8.1	20.5	161 E	79	30
1 1	5 4.45	+33 17.4	1.364	2.295	10.2	20.6	156 E	78	31
1 6	4 59.79	+32 57.9	1.405	2.309	12.3	20.8	150 E	78	31
1 11	4 56.08	+32 37.3	1.452	2.324	14.2	20.9	144 E	78	31
1 16	4 53.37	+32 16.5	1.504	2.337	16.0	21.1	139 E	77	32
171673 2000 QB_{33}									
9 18	5 46.98	+22 9.7	2.280	2.464	24.1	21.5	88 W	65*	41*
9 28	5 55.08	+22 24.7	2.168	2.484	23.6	21.4	96 W	67*	42*
10 8	6 0.79	+22 39.9	2.056	2.504	22.7	21.2	105 W	68	41
10 18	6 3.76	+22 56.4	1.949	2.523	21.2	21.1	114 W	68	41
10 28	6 3.62	+23 15.2	1.849	2.541	18.9	20.9	124 W	68	41
11 7	6 0.17	+23 36.3	1.762	2.558	16.0	20.7	135 W	69	40
11 17	5 53.38	+23 58.5	1.692	2.574	12.3	20.5	146 W	69	40
11 27	5 43.66	+24 19.6	1.645	2.589	8.0	20.3	159 W	69	40
12 2	5 37.96	+24 29.0	1.632	2.596	5.7	20.2	165 W	69	40
12 7	5 31.89	+24 37.2	1.625	2.603	3.3	20.1	171 W	70	39
12 12	5 25.61	+24 44.0	1.626	2.610	1.0	19.9	177 W	70	39
12 17	5 19.32	+24 49.3	1.635	2.617	1.8	20.0	175 E	70	39
12 22	5 13.20	+24 53.2	1.651	2.623	4.1	20.2	169 E	70	39
12 27	5 7.44	+24 56.0	1.674	2.629	6.4	20.3	163 E	70	39
1 1	5 2.18	+24 57.8	1.705	2.635	8.6	20.5	156 E	70	39
1 6	4 57.55	+24 59.0	1.742	2.641	10.7	20.6	150 E	70	39
1 11	4 53.62	+24 59.9	1.785	2.646	12.5	20.7	144 E	70	39
1 16	4 50.47	+25 0.9	1.834	2.651	14.3	20.8	138 E	70	39
481394 2006 SF_6									
9 18	5 58.43	+27 7.7	0.619	1.139	61.6	21.3	86 W	69*	36*
9 23	6 20.23	+26 31.3	0.588	1.124	62.9	21.2	86 W	69*	36*
9 28	6 43.07	+25 37.8	0.560	1.107	64.4	21.1	85 W	68*	37*
10 3	7 6.98	+24 25.1	0.532	1.090	66.1	21.1	85 W	67*	37*
10 8	7 31.99	+22 50.7	0.507	1.071	68.1	21.0	84 W	66*	38*
10 13	7 58.06	+20 52.6	0.485	1.050	70.3	20.9	82 W	64*	39*
10 18	8 25.12	+18 29.5	0.466	1.029	72.8	20.9	81 W	62*	39*
10 23	8 53.04	+15 41.2	0.450	1.007	75.5	20.8	78 W	59*	40*
10 28	9 21.67	+12 29.2	0.439	0.983	78.5	20.8	76 W	56*	41*
11 2	9 50.84	+ 8 57.1	0.433	0.959	81.5	20.8	73 W	52*	41*
11 7	10 20.32	+ 5 10.6	0.432	0.934	84.5	20.9	70 W	48*	42*
11 12	10 49.90	+ 1 17.3	0.437	0.909	87.3	21.0	67 W	44*	42*
11 17	11 19.36	− 2 34.7	0.447	0.883	89.8	21.1	63 W	40*	41*
11 22	11 48.55	− 6 17.7	0.463	0.858	91.8	21.2	60 W	36*	41*
11 27	12 17.35	− 9 45.5	0.485	0.832	93.3	21.2	57 W	33*	40*
12 2	12 45.75	−12 54.0	0.513	0.807	94.0	21.3	55 W	30*	40*
12 7	13 13.76	−15 41.0	0.545	0.783	94.0	21.4	52 W	27*	39*
12 12	13 41.41	−18 5.8	0.583	0.760	93.3	21.5	50 W	24*	38*
12 17	14 8.76	−20 8.7	0.624	0.740	91.9	21.5	49 W	22*	38*
12 22	14 35.89	−21 50.3	0.670	0.722	89.9	21.5	47 W	20*	37*
12 27	15 2.87	−23 11.9	0.719	0.706	87.3	21.5	46 W	18*	36*
1 1	15 29.74	−24 14.4	0.770	0.695	84.1	21.5	45 W	17*	36*
1 6	15 56.51	−24 58.9	0.824	0.687	80.6	21.5	44 W	16*	35*
1 11	16 23.13	−25 26.0	0.878	0.684	76.9	21.5	43 W	15*	35*
1 16	16 49.51	−25 36.7	0.933	0.685	73.1	21.5	42 W	14*	34*

20/21	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
	h m	° ′			°	m	°	°	°
380509 2004 FY_5									
9 18	6 9.33	+11 12.2	1.640	1.818	33.3	21.4	83 W	53*	51*
9 28	6 30.51	+10 50.5	1.512	1.776	34.3	21.2	87 W	55*	52*
10 8	6 51.45	+10 21.6	1.387	1.736	35.1	21.0	92 W	55*	53*
10 18	7 12.00	+ 9 48.1	1.266	1.697	35.7	20.7	96 W	55	54*
10 28	7 31.97	+ 9 13.2	1.150	1.660	36.0	20.5	101 W	54	55*
11 7	7 51.19	+ 8 41.7	1.040	1.625	35.8	20.2	106 W	54	55*
11 17	8 9.42	+ 8 19.6	0.935	1.592	35.3	19.9	112 W	53	56
11 22	8 18.07	+ 8 14.5	0.886	1.576	34.8	19.8	114 W	53	56
11 27	8 26.36	+ 8 14.9	0.838	1.562	34.1	19.6	118 W	53	56
12 2	8 34.25	+ 8 21.9	0.792	1.548	33.2	19.4	121 W	53	56
12 7	8 41.68	+ 8 37.0	0.749	1.535	32.1	19.3	124 W	54	55
12 12	8 48.60	+ 9 1.6	0.708	1.523	30.8	19.1	128 W	54	55
12 17	8 54.93	+ 9 37.3	0.669	1.512	29.2	18.9	131 W	55	54
12 22	9 0.62	+10 25.6	0.633	1.502	27.4	18.7	135 W	55	54
12 27	9 5.63	+11 27.5	0.600	1.493	25.2	18.5	140 W	56	53
1 1	9 9.90	+12 44.1	0.571	1.485	22.7	18.3	144 W	58	51
1 6	9 13.39	+14 15.7	0.545	1.478	20.0	18.1	149 W	59	50
1 11	9 16.05	+16 1.8	0.523	1.472	16.9	17.9	154 W	61	48
1 16	9 17.90	+18 0.9	0.505	1.467	13.7	17.7	159 W	63	46
488697 2003 XE_7									
9 18	6 10.40	+20 34.2	1.985	2.110	28.2	21.5	83 W	62*	42*
9 28	6 26.55	+22 7.7	1.828	2.068	29.0	21.3	89 W	66*	41*
10 8	6 42.27	+23 54.6	1.675	2.027	29.4	21.0	95 W	69	40*
10 18	6 57.37	+26 0.5	1.526	1.987	29.4	20.8	102 W	71	38*
10 28	7 11.58	+28 32.2	1.384	1.947	28.9	20.5	109 W	74	35
11 7	7 24.62	+31 37.2	1.252	1.909	27.8	20.2	116 W	77	32
11 12	7 30.56	+33 24.5	1.191	1.891	27.0	20.1	120 W	78	31
11 17	7 36.03	+35 22.7	1.133	1.873	26.0	19.9	124 W	80	29
11 22	7 40.93	+37 32.2	1.080	1.855	25.0	19.8	128 W	83	26
11 27	7 45.18	+39 53.1	1.031	1.838	23.8	19.6	131 W	85	24
12 2	7 48.67	+42 24.8	0.988	1.821	22.7	19.5	135 W	87	22
12 7	7 51.27	+45 6.1	0.949	1.805	21.5	19.3	138 W	90	19
12 12	7 52.82	+47 55.0	0.917	1.789	20.5	19.2	140 W	87	16
12 17	7 53.16	+50 48.5	0.890	1.774	19.8	19.1	142 W	84	13
12 22	7 52.13	+53 42.7	0.870	1.760	19.5	19.0	143 W	81	10
12 27	7 49.61	+56 33.1	0.856	1.746	19.7	19.0	143 W	78	7
1 1	7 45.51	+59 15.1	0.848	1.733	20.3	18.9	142 W	76	5
1 6	7 39.82	+61 44.3	0.845	1.721	21.4	19.0	140 W	73	2
1 11	7 32.68	+63 56.7	0.847	1.709	22.7	19.0	138 W	71	—
1 16	7 24.44	+65 49.4	0.854	1.698	24.2	19.0	135 E	69	—
252399 2001 TX_{44}									
9 18	7 10.78	+19 43.6	0.964	1.110	57.4	21.4	69 W	53*	37*
9 23	7 34.81	+19 52.3	0.915	1.075	59.9	21.3	68 W	54*	36*
9 28	8 1.06	+19 48.8	0.871	1.036	62.7	21.2	67 W	53*	34*
10 3	8 29.71	+19 28.9	0.832	0.995	65.7	21.1	65 W	53*	32*
10 8	9 0.82	+18 48.0	0.799	0.951	69.0	21.0	63 W	51*	30*
10 13	9 34.23	+17 41.0	0.774	0.904	72.5	21.0	60 W	49*	28*
10 18	10 9.54	+16 4.0	0.759	0.854	76.1	20.9	56 W	47*	25*
10 23	10 46.10	+13 55.3	0.756	0.801	79.4	20.9	52 W	44*	22*
10 28	11 23.11	+11 16.1	0.765	0.745	82.2	20.9	48 W	40*	19*
11 2	11 59.82	+ 8 10.6	0.789	0.688	84.1	20.8	44 W	36*	17*
11 7	12 35.67	+ 4 44.8	0.828	0.628	84.6	20.7	39 W	32*	14*
11 12	13 10.46	+ 1 4.6	0.882	0.568	83.0	20.6	35 W	27*	12*
11 17	13 44.40	− 2 46.1	0.951	0.511	78.9	20.4	30 W	23*	10*
11 22	14 18.04	− 6 44.5	1.032	0.459	71.5	20.1	26 W	19*	8*
11 27	14 52.19	−10 47.8	1.122	0.419	60.6	19.7	22 W	14*	6*
12 2	15 27.55	−14 48.8	1.215	0.399	46.8	19.4	17 W	10*	4*
12 7	16 4.22	−18 33.7	1.303	0.403	32.1	19.2	13 W	5*	2*
12 9	16 19.14	−19 55.4	1.335	0.411	26.6	19.1	11 W	3*	2*
12 11	16 34.10	−21 11.0	1.366	0.423	21.6	19.1	9 W	1*	1*
12 13	16 49.05	−22 19.7	1.395	0.438	17.1	19.0	8 W	—	—
12 15	17 3.91	−23 21.3	1.422	0.456	13.2	19.0	6 W	—	—
12 17	17 18.64	−24 15.5	1.449	0.475	9.9	19.0	5 W	—	—
12 22	17 54.56	−25 59.2	1.509	0.529	5.5	19.2	3 W	—	—
12 27	18 28.80	−27 0.8	1.566	0.588	6.5	19.5	4 E	—	—
1 1	19 1.04	−27 26.2	1.619	0.648	8.5	19.9	6 E	—	—
1 6	19 31.15	−27 21.8	1.672	0.707	10.0	20.2	7 E	—	1*
1 11	19 59.14	−26 53.6	1.723	0.764	10.9	20.5	8 E	—	2*
1 16	20 25.08	−26 7.1	1.774	0.819	11.2	20.7	9 E	—	3*
162015 1994 TF_2									
9 18	8 34.88	+ 1 0.3	1.230	0.914	53.5	21.4	47 W	26*	36*
9 23	8 58.81	− 0 26.0	1.231	0.888	53.6	21.4	45 W	25*	34*
9 28	9 23.08	− 1 51.5	1.235	0.863	53.5	21.3	44 W	24*	33*
10 3	9 47.68	− 3 15.1	1.243	0.838	53.2	21.2	42 W	23*	31*
10 8	10 12.61	− 4 35.4	1.255	0.814	52.7	21.2	40 W	22*	30*
10 13	10 37.86	− 5 51.6	1.269	0.792	51.8	21.1	39 W	21*	28*

20/21	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
		162015 1994 TF_2			*(continuation)*				
	h m	° ′			°	m	°	°	°
10 18	11 3.41	− 7 2.9	1.287	0.771	50.7	21.1	37 W	20*	26*
10 23	11 29.25	− 8 8.4	1.307	0.753	49.2	21.0	35 W	19*	24*
10 28	11 55.36	− 9 7.8	1.329	0.738	47.5	20.9	33 W	19*	22*
11 2	12 21.70	−10 0.9	1.353	0.725	45.6	20.9	31 W	18*	20*
11 7	12 48.23	−10 47.4	1.379	0.717	43.5	20.9	30 W	17*	18*
11 12	13 14.89	−11 27.6	1.406	0.712	41.3	20.8	28 W	17*	16*
11 17	13 41.59	−12 1.3	1.434	0.711	39.0	20.8	27 W	16*	14*
11 22	14 8.23	−12 28.7	1.462	0.715	36.8	20.8	26 W	16*	13*
11 27	14 34.72	−12 49.8	1.491	0.722	34.7	20.8	25 W	15*	11*
12 2	15 0.96	−13 4.7	1.520	0.734	32.7	20.8	24 W	15*	9*
12 7	15 26.86	−13 13.6	1.549	0.748	30.9	20.8	23 W	15*	8*
12 12	15 52.32	−13 16.5	1.579	0.766	29.3	20.9	22 W	14*	7*
12 17	16 17.28	−13 13.6	1.608	0.786	27.8	20.9	22 W	14*	6*
12 22	16 41.66	−13 4.9	1.637	0.808	26.5	21.0	22 W	14*	6*
12 27	17 5.41	−12 50.8	1.667	0.831	25.4	21.1	21 W	14*	5*
1 1	17 28.51	−12 31.5	1.696	0.855	24.5	21.1	21 W	14*	5*
1 6	17 50.93	−12 7.4	1.725	0.880	23.6	21.2	21 W	14*	5*
1 11	18 12.69	−11 38.7	1.753	0.906	22.9	21.3	21 W	14*	6*
1 16	18 33.77	−11 5.9	1.780	0.931	22.2	21.4	21 W	14*	6*
		512245 2016 AU_8							
9 18	8 37.29	+37 25.7	0.414	0.842	100.7	21.3	55 W	49*	11*
9 23	8 46.05	+36 42.0	0.437	0.857	96.3	21.2	58 W	52*	13*
9 28	8 55.85	+35 46.5	0.458	0.872	92.4	21.2	60 W	54*	14*
10 3	9 6.33	+34 41.6	0.476	0.889	88.9	21.2	63 W	57*	15*
10 8	9 17.24	+33 28.8	0.492	0.906	85.9	21.2	65 W	59*	17*
10 13	9 28.33	+32 9.7	0.505	0.924	83.1	21.1	67 W	60*	18*
10 18	9 39.45	+30 45.2	0.515	0.941	80.6	21.1	69 W	62*	20*
10 23	9 50.44	+29 16.5	0.522	0.959	78.4	21.1	71 W	64*	21*
10 28	10 1.23	+27 44.1	0.526	0.976	76.3	21.1	73 W	65*	23*
11 2	10 11.77	+26 8.5	0.528	0.994	74.4	21.1	75 W	66*	25*
11 7	10 22.01	+24 30.3	0.527	1.011	72.7	21.1	77 W	66*	27*
11 12	10 31.90	+22 49.8	0.523	1.027	71.0	21.0	79 W	66*	30*
11 17	10 41.39	+21 7.5	0.517	1.043	69.5	21.0	81 W	65*	32*
11 22	10 50.43	+19 23.4	0.509	1.058	68.0	20.9	83 W	64*	35*
11 27	10 58.99	+17 37.7	0.498	1.073	66.6	20.9	86 W	63	38*
12 2	11 7.04	+15 50.2	0.486	1.086	65.1	20.8	88 W	61	41*
12 7	11 14.54	+14 0.9	0.471	1.099	63.6	20.7	91 W	59	44*
12 12	11 21.41	+12 9.8	0.455	1.111	62.1	20.6	94 W	57	47*
12 17	11 27.56	+10 16.6	0.437	1.122	60.6	20.5	97 W	55	50*
12 22	11 32.89	+ 8 21.0	0.418	1.133	58.9	20.4	100 W	53	54*
12 27	11 37.29	+ 6 22.4	0.398	1.142	57.0	20.3	103 W	51	57*
1 1	11 40.64	+ 4 20.3	0.378	1.150	55.0	20.1	107 W	49	60*
1 6	11 42.75	+ 2 13.9	0.357	1.157	52.8	19.9	110 W	47	62
1 11	11 43.38	+ 0 2.7	0.335	1.163	50.3	19.7	115 W	45	64
1 16	11 42.23	− 2 13.7	0.314	1.168	47.5	19.5	119 W	43	66
		276660 2003 WB_{25}							
9 18	8 55.98	+ 8 41.2	1.825	1.271	31.9	21.5	42 W	28*	27*
9 28	9 25.31	+ 3 40.5	1.789	1.269	33.0	21.5	44 W	28*	30*
10 8	9 54.05	− 1 32.6	1.760	1.273	33.9	21.5	45 W	27*	32*
10 18	10 22.40	− 6 51.5	1.736	1.282	34.6	21.5	47 W	26*	35*
10 28	10 50.52	−12 9.2	1.718	1.296	35.1	21.5	49 W	24*	38*
		67399 2000 PJ_6							
9 18	9 4.57	+26 0.0	1.732	1.244	34.8	21.4	45 W	38*	15*
9 28	9 41.58	+22 26.4	1.655	1.189	36.9	21.3	45 W	39*	16*
10 8	10 18.70	+18 8.2	1.585	1.134	38.8	21.1	45 W	38*	16*
10 18	10 56.05	+13 6.9	1.525	1.079	40.7	21.0	45 W	37*	18*
10 28	11 33.87	+ 7 27.3	1.476	1.025	42.2	20.8	44 W	35*	19*
11 7	12 12.60	+ 1 17.3	1.440	0.975	43.3	20.7	42 W	32*	21*
11 17	12 52.82	− 5 10.4	1.421	0.930	43.9	20.6	41 W	28*	22*
11 27	13 35.17	−11 38.2	1.417	0.893	43.6	20.5	39 W	24*	24*
12 2	13 57.34	−14 45.4	1.421	0.878	43.2	20.5	38 W	22*	24*
12 7	14 20.26	−17 44.2	1.429	0.866	42.6	20.4	37 W	19*	25*
12 12	14 43.96	−20 31.6	1.440	0.858	41.8	20.4	36 W	17*	25*
12 17	15 8.43	−23 4.6	1.455	0.853	40.9	20.4	35 W	14*	25*
12 22	15 33.60	−25 20.6	1.474	0.851	39.8	20.4	34 W	12*	25*
12 27	15 59.38	−27 17.2	1.494	0.853	38.5	20.4	33 W	10*	25*
1 1	16 25.61	−28 52.7	1.517	0.858	37.3	20.4	32 W	8*	25*
1 6	16 52.06	−30 6.2	1.542	0.867	36.0	20.4	31 W	6*	25*
1 11	17 18.51	−30 57.3	1.569	0.878	34.7	20.4	31 W	4*	24*
1 16	17 44.69	−31 26.6	1.596	0.893	33.5	20.5	30 W	3*	24*
		274138 2008 FU_6							
9 18	9 5.62	+13 19.7	0.503	0.702	111.8	19.7	40 W	30*	22*
9 23	8 56.33	+11 13.2	0.537	0.750	101.2	19.4	47 W	34*	28*
9 28	8 51.23	+ 9 12.4	0.569	0.799	92.6	19.3	53 W	38*	33*
10 3	8 48.89	+ 7 18.5	0.599	0.850	85.5	19.2	58 W	40*	38*
10 8	8 48.21	+ 5 30.9	0.624	0.902	79.5	19.2	63 W	42*	42*
10 13	8 48.43	+ 3 48.9	0.645	0.954	74.4	19.2	67 W	44*	45*
10 18	8 48.97	+ 2 11.7	0.661	1.005	70.0	19.3	71 W	44*	49*

20/21	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
		274138 2008 FU_6			*(continuation)*				
	h m	° ′			°	m	°	°	°
10 28	8 49.48	− 0 50.2	0.681	1.105	62.4	19.3	80 W	44*	56*
11 7	8 47.45	− 3 36.3	0.687	1.200	55.7	19.3	89 W	41	63*
11 17	8 41.20	− 6 3.9	0.682	1.290	49.1	19.3	99 W	39	70*
11 22	8 36.08	− 7 8.3	0.677	1.333	45.8	19.2	105 W	38	71
11 27	8 29.50	− 8 4.6	0.673	1.374	42.3	19.2	110 W	37	72
12 2	8 21.41	− 8 51.0	0.668	1.414	38.7	19.1	116 W	36	73
12 7	8 11.86	− 9 25.6	0.666	1.453	35.0	19.1	122 W	36	73
12 12	8 0.95	− 9 46.3	0.666	1.491	31.3	19.0	128 W	35	74
12 17	7 48.92	− 9 51.4	0.669	1.527	27.6	19.0	134 W	35	74
12 22	7 36.16	− 9 39.8	0.677	1.562	24.1	18.9	140 W	35	74
12 27	7 23.09	− 9 11.4	0.690	1.595	21.0	18.9	144 W	36	73
1 1	7 10.22	− 8 27.6	0.708	1.628	18.7	19.0	148 W	37	72
1 6	6 57.97	− 7 30.5	0.733	1.659	17.3	19.0	150 E	37	72
1 11	6 46.72	− 6 22.7	0.764	1.688	17.0	19.2	150 E	39	70
1 16	6 36.78	− 5 7.5	0.801	1.717	17.6	19.3	148 E	40	69
		203471 2002 AU_4							
9 18	9 7.47	− 5 22.0	0.549	0.677	109.6	21.4	39 W	16*	32*
9 23	9 4.37	− 4 15.0	0.576	0.714	101.6	21.2	44 W	21*	35*
9 28	9 4.99	− 3 9.6	0.601	0.752	95.0	21.1	48 W	26*	38*
10 3	9 8.34	− 2 8.8	0.622	0.789	89.5	21.0	52 W	30*	39*
10 8	9 13.67	− 1 13.3	0.639	0.825	85.0	21.0	55 W	33*	41*
10 13	9 20.43	− 0 23.1	0.652	0.860	81.3	21.0	58 W	36*	42*
10 18	9 28.19	+ 0 22.7	0.660	0.894	78.2	21.0	61 W	39*	43*
10 23	9 36.66	+ 1 5.2	0.663	0.926	75.5	21.0	64 W	41*	44*
10 28	9 45.64	+ 1 45.7	0.662	0.957	73.2	21.0	67 W	44*	44*
11 2	9 55.00	+ 2 25.3	0.657	0.985	71.2	21.0	70 W	45*	45*
11 7	10 4.64	+ 3 5.1	0.649	1.012	69.4	20.9	73 W	47*	46*
11 12	10 14.46	+ 3 46.6	0.636	1.036	67.8	20.9	76 W	48*	47*
11 17	10 24.41	+ 4 31.3	0.621	1.059	66.3	20.8	79 W	49*	47*
11 22	10 34.43	+ 5 20.8	0.603	1.080	64.8	20.8	82 W	50	48*
11 27	10 44.51	+ 6 16.7	0.582	1.098	63.5	20.7	85 W	51	49*
12 2	10 54.64	+ 7 21.0	0.559	1.115	62.1	20.6	88 W	52	49*
12 7	11 4.81	+ 8 35.9	0.534	1.129	60.7	20.5	91 W	54	50*
12 12	11 15.00	+10 3.8	0.508	1.142	59.3	20.3	94 W	55	49*
12 17	11 25.19	+11 47.9	0.481	1.152	57.8	20.2	98 W	57	49*
12 22	11 35.38	+13 51.4	0.453	1.161	56.2	20.0	101 W	59	48*
12 27	11 45.59	+16 17.8	0.426	1.167	54.5	19.9	105 W	61	47*
1 1	11 55.85	+19 11.2	0.399	1.172	52.8	19.7	108 W	64	44*
1 6	12 6.18	+22 35.7	0.373	1.174	51.0	19.5	112 W	68	41*
1 11	12 16.60	+26 35.4	0.348	1.175	49.2	19.3	115 W	72	37*
1 16	12 27.12	+31 13.1	0.326	1.173	47.7	19.1	118 W	76	33
		163683 2002 YP_2							
9 18	9 11.64	+11 2.4	0.693	0.633	98.5	20.8	39 W	27*	23*
9 23	9 13.55	+14 14.8	0.739	0.694	88.8	20.7	44 W	33*	23*
9 28	9 18.31	+16 52.9	0.783	0.757	81.2	20.7	48 W	39*	23*
10 3	9 24.76	+19 4.9	0.822	0.822	75.0	20.8	52 W	44*	23*
10 8	9 32.09	+20 58.1	0.855	0.887	70.0	20.9	57 W	48*	23*
10 13	9 39.80	+22 38.4	0.882	0.951	65.8	20.9	60 W	52*	23*
10 18	9 47.52	+24 10.2	0.904	1.014	62.3	21.0	64 W	56*	23*
10 23	9 55.00	+25 37.4	0.921	1.076	59.2	21.1	68 W	60*	23*
10 28	10 2.06	+27 2.9	0.933	1.137	56.3	21.2	72 W	64*	24*
11 2	10 8.56	+28 29.0	0.940	1.196	53.8	21.2	76 W	68*	24*
11 7	10 14.39	+29 57.9	0.945	1.253	51.3	21.3	81 W	72*	24*
11 12	10 19.40	+31 31.1	0.946	1.309	48.9	21.3	85 W	75*	24*
11 17	10 23.45	+33 10.3	0.944	1.363	46.5	21.3	90 W	78*	24*
11 22	10 26.40	+34 56.3	0.941	1.416	44.1	21.3	94 W	80	24*
11 27	10 28.09	+36 49.6	0.937	1.467	41.6	21.3	99 W	82	24*
12 2	10 28.35	+38 50.2	0.932	1.517	39.0	21.3	104 W	84	23*
12 7	10 26.95	+40 57.6	0.928	1.565	36.3	21.3	110 W	86	22*
12 12	10 23.68	+43 10.3	0.926	1.612	33.6	21.3	115 W	88	21*
12 17	10 18.28	+45 25.8	0.926	1.657	30.8	21.3	120 W	90	19
12 22	10 10.54	+47 40.5	0.929	1.701	28.1	21.2	126 W	87	16
12 27	10 0.33	+49 49.8	0.937	1.744	25.4	21.2	130 W	85	14
1 1	9 47.63	+51 48.6	0.950	1.786	22.9	21.2	135 W	83	12
1 6	9 32.63	+53 31.6	0.968	1.826	20.8	21.3	139 W	81	10
1 11	9 15.76	+54 54.1	0.992	1.865	19.2	21.3	141 W	80	9
1 16	8 57.74	+55 52.8	1.023	1.903	18.1	21.4	143 W	79	8
		313538 2002 YB_{12}							
9 18	9 58.55	+ 7 9.8	1.979	1.168	22.5	21.3	26 W	16*	15*
9 28	10 35.12	+ 2 50.8	1.884	1.081	24.2	21.1	26 W	16*	15*
10 8	11 14.64	− 1 57.2	1.804	0.996	25.4	20.8	25 W	14*	15*
10 18	11 57.73	− 7 5.0	1.741	0.917	25.6	20.6	23 W	12*	14*
10 28	12 44.94	−12 15.3	1.700	0.847	24.5	20.3	21 W	9*	12*
11 2	13 10.21	−14 44.0	1.688	0.818	23.4	20.2	19 W	7*	11*
11 7	13 36.60	−17 3.7	1.682	0.794	21.9	20.1	17 W	5*	10*
11 12	14 4.04	−19 10.5	1.682	0.775	20.0	20.0	16 W	3*	8*
11 17	14 32.37	−21 1.1	1.687	0.763	17.8	19.9	14 W	2*	7*

313538 2002 YB_{12} *(continuation)*

20/21	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
	h m	° ′			°	m	°	°	°
11 22	15 1.40	−22 32.3	1.697	0.757	15.4	19.8	12 W	—	5*
11 27	15 30.82	−23 41.8	1.712	0.759	12.8	19.7	10 W	—	4*
12 2	16 0.31	−24 28.6	1.731	0.767	10.3	19.7	8 W	—	2*
12 7	16 29.52	−24 52.5	1.754	0.782	7.9	19.6	6 W	—	—
12 12	16 58.14	−24 54.7	1.781	0.804	5.7	19.6	5 W	—	—
12 17	17 25.87	−24 36.9	1.811	0.830	3.9	19.6	3 W	—	—
12 22	17 52.51	−24 1.5	1.843	0.861	2.4	19.7	2 W	—	—
12 27	18 17.92	−23 11.1	1.879	0.896	1.4	19.7	1 W	—	—
1 1	18 42.02	−22 8.4	1.916	0.933	1.3	19.8	1 W	—	—
1 6	19 4.82	−20 55.9	1.955	0.973	1.7	20.0	2 W	—	—
1 11	19 26.33	−19 35.7	1.996	1.014	2.3	20.2	2 W	—	—
1 16	19 46.63	−18 10.0	2.038	1.056	2.8	20.4	3 W	—	—

452474 2004 BG_{11}

20/21	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
9 18	9 59.52	+17 29.1	1.915	1.155	25.6	21.5	30 W	23*	9*
9 23	10 20.34	+17 6.0	1.872	1.122	26.6	21.4	30 W	24*	8*
9 28	10 41.86	+16 34.4	1.832	1.090	27.6	21.3	30 W	24*	7*
10 3	11 4.07	+15 53.8	1.796	1.060	28.4	21.3	30 W	24*	6*
10 8	11 26.91	+15 3.3	1.764	1.031	29.2	21.2	30 W	24*	4*
10 13	11 50.29	+14 2.7	1.737	1.005	29.7	21.1	30 W	24*	3*
10 18	12 14.11	+12 51.7	1.715	0.981	30.1	21.0	30 W	24*	1*
10 23	12 38.24	+11 30.6	1.698	0.960	30.3	21.0	29 W	23*	—
10 28	13 2.55	+10 0.1	1.687	0.942	30.2	20.9	29 W	22*	—
11 2	13 26.88	+ 8 21.0	1.683	0.928	29.9	20.9	28 W	21*	—
11 7	13 51.12	+ 6 34.9	1.684	0.918	29.3	20.8	27 W	20*	—
11 12	14 15.13	+ 4 43.5	1.691	0.913	28.5	20.8	26 W	19*	—
11 17	14 38.79	+ 2 48.7	1.703	0.911	27.4	20.8	25 W	18*	—
11 22	15 2.03	+ 0 52.6	1.721	0.914	26.2	20.8	24 W	18*	—
11 27	15 24.76	− 1 2.7	1.743	0.921	24.9	20.8	23 W	17*	—
12 2	15 46.96	− 2 55.5	1.768	0.932	23.5	20.8	22 W	16*	—
12 7	16 8.58	− 4 44.3	1.797	0.947	22.0	20.8	21 W	15*	—
12 12	16 29.63	− 6 27.6	1.828	0.965	20.6	20.9	20 W	14*	—
12 17	16 50.10	− 8 4.6	1.861	0.987	19.2	20.9	19 W	13*	—
12 22	17 10.00	− 9 34.4	1.895	1.012	18.0	20.9	19 W	13*	—
12 27	17 29.33	−10 56.7	1.930	1.039	16.9	21.0	18 W	12*	—
1 1	17 48.11	−12 11.3	1.964	1.068	16.0	21.1	17 W	11*	1*
1 6	18 6.36	−13 18.3	1.998	1.099	15.4	21.2	17 W	10*	2*
1 11	18 24.10	−14 17.8	2.032	1.131	14.9	21.2	17 W	10*	4*
1 16	18 41.35	−15 10.1	2.064	1.164	14.8	21.3	18 W	9*	6*

303248 2004 QV_{16}

20/21	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
9 18	10 13.43	− 4 22.7	2.280	1.412	16.2	21.4	23 W	5*	17*
9 28	10 44.44	− 6 8.9	2.177	1.324	17.8	21.2	24 W	7*	17*
10 8	11 18.00	− 7 59.5	2.076	1.234	19.3	21.0	24 W	9*	17*
10 18	11 54.59	− 9 50.3	1.980	1.143	20.7	20.8	24 W	10*	16*
10 28	12 34.73	−11 34.8	1.890	1.053	21.9	20.6	23 W	11*	14*
11 7	13 18.89	−13 4.8	1.811	0.967	22.6	20.3	22 W	11*	12*
11 12	13 42.57	−13 41.4	1.777	0.927	22.8	20.2	21 W	11*	11*
11 17	14 7.33	−14 10.7	1.746	0.888	22.7	20.0	20 W	11*	9*
11 22	14 33.13	−14 31.4	1.720	0.853	22.5	19.9	19 W	10*	8*
11 27	14 59.90	−14 42.5	1.699	0.822	22.1	19.8	18 W	10*	6*
12 2	15 27.52	−14 43.2	1.682	0.796	21.5	19.7	17 W	10*	4*
12 7	15 55.83	−14 33.2	1.671	0.775	20.7	19.6	16 W	9*	2*
12 12	16 24.63	−14 12.5	1.666	0.761	19.9	19.5	15 W	9*	1*
12 17	16 53.67	−13 41.6	1.666	0.754	19.0	19.5	14 W	8*	—
12 22	17 22.70	−13 1.5	1.672	0.755	18.2	19.4	14 W	8*	—
12 27	17 51.44	−12 13.3	1.684	0.762	17.5	19.5	13 W	7*	—
1 1	18 19.66	−11 18.5	1.701	0.777	16.9	19.5	13 W	7*	—
1 6	18 47.15	−10 18.6	1.724	0.799	16.3	19.6	13 W	6*	—
1 11	19 13.73	− 9 14.8	1.752	0.826	15.7	19.7	13 W	6*	—
1 16	19 39.29	− 8 8.5	1.785	0.857	15.1	19.8	13 W	5*	—

311066 2004 DC

20/21	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
9 18	10 39.58	+20 0.8	2.251	1.392	16.9	21.5	24 W	18*	—
9 28	11 12.15	+17 13.6	2.169	1.334	18.7	21.4	25 W	19*	—
10 8	11 45.55	+14 1.6	2.092	1.276	20.3	21.2	26 W	20*	1*
10 18	12 19.85	+10 25.8	2.021	1.219	21.7	21.1	27 W	21*	1*
10 28	12 55.12	+ 6 28.9	1.959	1.165	22.8	21.0	27 W	21*	2*
11 7	13 31.48	+ 2 14.9	1.908	1.114	23.5	20.8	27 W	21*	3*
11 17	14 9.07	− 2 10.0	1.868	1.070	23.8	20.7	26 W	20*	4*
11 27	14 48.01	− 6 37.3	1.840	1.032	23.7	20.6	25 W	18*	5*
12 7	15 28.42	−10 57.1	1.824	1.004	23.3	20.5	24 W	16*	7*
12 17	16 10.35	−14 58.2	1.821	0.987	22.5	20.4	23 W	14*	9*
12 22	16 31.85	−16 48.1	1.823	0.982	22.0	20.4	22 W	12*	10*
12 27	16 53.67	−18 29.1	1.827	0.981	21.6	20.4	22 W	11*	10*
1 1	17 15.76	−20 0.0	1.834	0.983	21.1	20.4	21 W	10*	11*
1 6	17 38.06	−21 19.8	1.843	0.988	20.7	20.4	21 W	8*	12*
1 11	18 0.50	−22 27.8	1.854	0.995	20.3	20.4	21 W	7*	13*
1 16	18 22.98	−23 23.3	1.866	1.006	20.0	20.5	21 W	5*	13*

144901 2004 WG_1

20/21	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
	h m	° ′			°	m	°	°	°
9 18	10 49.23	+16 25.6	2.668	1.754	11.1	21.4	20 W	14*	—
9 28	11 12.39	+13 54.5	2.566	1.688	13.3	21.4	23 W	17*	2*
10 8	11 36.35	+11 10.2	2.457	1.619	15.6	21.3	26 W	20*	4*
10 18	12 1.34	+ 8 11.9	2.344	1.546	18.0	21.1	29 W	22*	6*
10 28	12 27.62	+ 4 58.8	2.228	1.471	20.5	21.0	31 W	25*	9*
11 7	12 55.55	+ 1 30.3	2.112	1.393	22.9	20.8	33 W	26*	11*
11 17	13 25.59	− 2 13.6	1.999	1.313	25.4	20.7	35 W	26*	14*
11 27	13 58.30	− 6 11.7	1.892	1.232	27.8	20.5	36 W	26*	16*
12 2	14 15.86	− 8 15.1	1.842	1.191	29.0	20.4	36 W	25*	18*
12 7	14 34.35	−10 20.5	1.794	1.150	30.1	20.3	36 W	24*	19*
12 12	14 53.88	−12 26.8	1.750	1.109	31.1	20.2	36 W	23*	20*
12 17	15 14.55	−14 32.8	1.709	1.068	32.1	20.1	35 W	21*	21*
12 22	15 36.44	−16 36.4	1.673	1.029	32.9	20.0	35 W	19*	22*
12 27	15 59.63	−18 35.4	1.642	0.990	33.6	19.9	34 W	17*	22*
1 1	16 24.18	−20 27.1	1.616	0.954	34.0	19.8	33 W	15*	23*
1 6	16 50.11	−22 8.5	1.596	0.919	34.3	19.7	32 W	13*	23*
1 11	17 17.36	−23 36.0	1.581	0.887	34.2	19.6	30 W	11*	22*
1 16	17 45.80	−24 46.2	1.572	0.858	33.8	19.5	29 W	9*	22*

494706 2005 GL_9

20/21	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
9 18	10 51.18	+ 5 58.6	0.924	0.240	102.8	17.1	13 W	6*	4*
9 19	10 49.37	+ 5 9.9	0.960	0.254	92.5	16.8	15 W	7*	5*
9 20	10 48.70	+ 4 20.9	0.997	0.272	83.6	16.7	16 W	7*	6*
9 21	10 48.92	+ 3 32.8	1.034	0.291	76.0	16.6	16 W	7*	7*
9 22	10 49.83	+ 2 46.2	1.069	0.312	69.5	16.7	17 W	8*	8*
9 23	10 51.25	+ 2 1.3	1.104	0.335	64.0	16.7	17 W	8*	9*
9 24	10 53.04	+ 1 18.3	1.137	0.358	59.3	16.8	18 W	8*	9*
9 25	10 55.11	+ 0 37.1	1.169	0.381	55.3	16.9	18 W	8*	10*
9 26	10 57.36	− 0 2.3	1.200	0.405	51.9	16.9	19 W	8*	10*
9 27	10 59.76	− 0 40.0	1.230	0.428	49.0	17.0	19 W	8*	10*
9 28	11 2.25	− 1 16.1	1.258	0.452	46.4	17.1	19 W	8*	11*
9 30	11 7.38	− 2 23.9	1.313	0.499	42.2	17.3	20 W	8*	11*
10 2	11 12.61	− 3 26.7	1.364	0.545	39.0	17.5	20 W	8*	12*
10 4	11 17.82	− 4 25.0	1.412	0.591	36.4	17.7	21 W	8*	13*
10 6	11 22.97	− 5 19.5	1.457	0.635	34.4	17.9	21 W	9*	13*
10 8	11 28.03	− 6 10.7	1.500	0.679	32.8	18.0	22 W	9*	14*
10 13	11 40.15	− 8 6.7	1.597	0.783	29.9	18.4	23 W	10*	15*
10 18	11 51.49	− 9 49.0	1.683	0.882	28.2	18.7	25 W	11*	16*
10 23	12 2.09	−11 20.8	1.758	0.976	27.2	19.0	27 W	12*	18*
10 28	12 11.99	−12 44.1	1.824	1.066	26.6	19.2	29 W	13*	20*
11 2	12 21.24	−14 0.6	1.882	1.152	26.3	19.5	31 W	15*	22*
11 7	12 29.91	−15 11.4	1.932	1.234	26.3	19.7	33 W	16*	24*
11 12	12 38.02	−16 17.4	1.975	1.313	26.4	19.9	36 W	17*	26*
11 17	12 45.60	−17 19.1	2.011	1.389	26.6	20.0	39 W	19*	29*
11 27	12 59.23	−19 11.8	2.061	1.533	27.1	20.3	45 W	21*	35*
12 7	13 10.83	−20 52.2	2.087	1.668	27.6	20.5	52 W	22*	41*
12 17	13 20.33	−22 21.8	2.090	1.796	28.1	20.7	59 W	22*	49*
12 27	13 27.53	−23 41.2	2.073	1.916	28.2	20.8	67 W	21*	58*
1 6	13 32.18	−24 50.1	2.039	2.030	28.0	20.9	75 W	20	67*
1 16	13 33.93	−25 47.3	1.992	2.138	27.3	21.0	85 W	19	78*

153953 2002 AD_9

20/21	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
9 18	11 5.32	+11 51.2	0.728	0.343	136.5	20.2	14 W	8*	—
9 20	11 4.72	+14 38.2	0.771	0.355	121.7	19.0	18 W	11*	—
9 22	11 5.60	+16 42.4	0.819	0.374	108.6	18.3	21 W	15*	—
9 24	11 7.71	+18 9.2	0.870	0.399	97.5	18.0	23 W	17*	—
9 26	11 10.73	+19 6.0	0.921	0.427	88.1	17.9	25 W	19*	—
9 28	11 14.38	+19 40.0	0.972	0.458	80.3	17.8	27 W	20*	—
9 29	11 16.37	+19 50.3	0.996	0.475	76.9	17.9	27 W	21*	—
9 30	11 18.43	+19 57.0	1.020	0.491	73.8	17.9	28 W	22*	—
10 1	11 20.55	+20 0.5	1.044	0.508	70.9	17.9	29 W	22*	—
10 2	11 22.71	+20 1.5	1.067	0.526	68.4	17.9	29 W	23*	—
10 3	11 24.90	+20 0.2	1.090	0.543	66.0	18.0	30 W	23*	—
10 4	11 27.10	+19 56.9	1.112	0.561	63.8	18.0	30 W	24*	—
10 5	11 29.31	+19 52.0	1.133	0.578	61.9	18.1	31 W	24*	—
10 6	11 31.52	+19 45.8	1.154	0.596	60.0	18.1	31 W	25*	—
10 7	11 33.73	+19 38.3	1.174	0.614	58.4	18.2	32 W	25*	—
10 8	11 35.92	+19 29.9	1.193	0.632	56.8	18.2	32 W	26*	—
10 10	11 40.26	+19 10.6	1.231	0.667	54.1	18.3	33 W	26*	1*
10 12	11 44.52	+18 48.9	1.267	0.702	51.7	18.5	34 W	27*	1*
10 14	11 48.69	+18 25.5	1.300	0.737	49.7	18.6	34 W	28*	2*
10 16	11 52.76	+18 1.0	1.332	0.772	48.0	18.7	35 W	29*	2*
10 18	11 56.71	+17 35.8	1.361	0.806	46.5	18.8	36 W	30*	3*
10 23	12 6.13	+16 31.8	1.428	0.889	43.6	19.0	38 W	32*	4*
10 28	12 14.88	+15 28.5	1.484	0.970	41.5	19.2	40 W	34*	6*
11 2	12 23.00	+14 27.7	1.531	1.048	40.0	19.4	43 W	37*	9*
11 7	12 30.53	+13 30.3	1.569	1.123	38.9	19.6	45 W	39*	11*

153953 2002 AD_9 *(continuation)*

20/21	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
	h m	° ′			°	m	°	°	°
11 17	12 43.91	+11 47.7	1.623	1.264	37.5	19.9	51 W	44*	16*
11 27	12 55.12	+10 23.2	1.648	1.397	36.6	20.1	58 W	48*	22*
12 7	13 4.11	+ 9 17.6	1.649	1.521	35.9	20.3	65 W	51*	29*
12 17	13 10.71	+ 8 32.0	1.630	1.637	35.1	20.4	73 W	53*	36*
12 27	13 14.59	+ 8 7.3	1.593	1.746	33.9	20.4	82 W	53	44*
1 6	13 15.33	+ 8 4.5	1.544	1.849	32.1	20.4	91 W	53	50*
1 16	13 12.39	+ 8 24.5	1.488	1.947	29.6	20.4	102 W	53	55*

2340 Hathor

20/21	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
9 18	11 17.16	+ 2 34.9	1.670	0.681	9.4	21.1	6 W	—	—
9 23	11 42.94	+ 0 11.2	1.630	0.634	7.0	20.8	4 W	—	—
9 28	12 10.27	− 2 20.1	1.588	0.588	3.6	20.4	2 W	—	—
10 3	12 39.34	− 4 57.0	1.545	0.545	2.2	20.1	1 E	—	—
10 8	13 10.28	− 7 36.3	1.500	0.509	8.3	20.2	4 E	—	—
10 13	13 43.12	−10 13.5	1.450	0.481	16.3	20.3	8 E	—	2*
10 18	14 17.69	−12 42.8	1.396	0.466	25.6	20.4	12 E	—	5*
10 23	14 53.60	−14 58.2	1.338	0.466	35.3	20.6	16 E	2*	9*
10 28	15 30.39	−16 54.4	1.279	0.481	44.4	20.8	20 E	4*	13*
11 2	16 7.63	−18 27.7	1.221	0.509	52.0	21.1	24 E	7*	17*
11 7	16 45.01	−19 35.9	1.169	0.546	57.7	21.3	28 E	9*	20*
11 12	17 22.30	−20 17.9	1.124	0.588	61.5	21.5	32 E	12*	24*

484269 2007 HP_{88}

20/21	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
9 18	11 38.68	+ 5 20.5	2.671	1.669	2.2	21.5	4 W	—	—
9 28	12 4.03	+ 2 32.7	2.647	1.653	3.5	21.5	6 W	—	—
10 8	12 29.60	− 0 17.6	2.622	1.640	5.1	21.6	8 W	2*	—
10 18	12 55.48	− 3 8.1	2.596	1.630	6.8	21.6	11 W	5*	—
10 28	13 21.70	− 5 56.2	2.570	1.623	8.4	21.7	14 W	7*	1*

298824 2004 RB_{80}

20/21	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
9 18	11 41.49	+ 1 38.0	2.990	1.985	0.2	21.3	0 W	—	—
9 28	12 2.27	− 0 40.9	2.937	1.939	2.2	21.4	4 W	—	—
10 8	12 23.75	− 3 4.1	2.876	1.893	4.3	21.5	8 W	1*	—
10 18	12 46.04	− 5 30.6	2.809	1.847	6.5	21.5	12 W	5*	2*
10 28	13 9.23	− 7 58.9	2.737	1.801	8.6	21.5	16 W	8*	5*
11 7	13 33.46	−10 27.2	2.661	1.757	10.7	21.4	19 W	11*	8*
11 17	13 58.86	−12 53.4	2.582	1.713	12.9	21.4	23 W	13*	11*
11 27	14 25.55	−15 14.9	2.502	1.670	14.9	21.3	26 W	14*	14*
12 7	14 53.66	−17 28.6	2.421	1.630	17.0	21.3	29 W	15*	17*
12 17	15 23.26	−19 31.0	2.341	1.591	19.0	21.2	32 W	16*	21*
12 27	15 54.38	−21 18.0	2.263	1.555	21.0	21.2	34 W	16*	24*
1 6	16 26.97	−22 45.5	2.188	1.522	22.9	21.1	37 W	15*	28*
1 16	17 0.88	−23 49.5	2.118	1.493	24.7	21.0	39 W	14*	31*

458116 2010 DA

20/21	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
9 18	11 52.37	+ 3 45.7	1.822	0.820	3.8	21.4	3 E	—	—
9 23	12 13.59	+ 2 22.6	1.761	0.763	5.4	21.3	4 E	—	—
9 28	12 36.23	+ 0 51.3	1.697	0.705	7.5	21.1	5 E	—	—
10 3	13 0.52	− 0 49.3	1.630	0.647	10.5	21.0	7 E	—	—
10 8	13 26.64	− 2 40.5	1.560	0.591	14.6	20.8	9 E	2*	—
10 13	13 54.79	− 4 43.9	1.486	0.539	20.2	20.7	11 E	3*	2*
10 18	14 25.02	− 7 1.1	1.406	0.494	27.9	20.6	13 E	5*	5*
10 23	14 57.23	− 9 33.9	1.321	0.462	37.6	20.6	16 E	7*	8*
10 28	15 31.05	−12 22.9	1.230	0.448	48.7	20.7	20 E	8*	11*
11 2	16 6.00	−15 27.0	1.139	0.454	59.9	20.9	23 E	9*	15*
11 7	16 41.85	−18 42.2	1.051	0.480	69.5	21.2	27 E	10*	19*
11 12	17 18.80	−22 1.5	0.973	0.520	76.5	21.4	31 E	10*	23*

193749 2001 KG

20/21	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
9 18	11 56.41	+ 5 37.2	3.615	2.616	2.0	21.4	5 E	—	—
9 28	12 11.74	+ 3 49.9	3.585	2.590	2.3	21.4	6 W	—	—
10 8	12 27.27	+ 2 2.0	3.540	2.564	4.1	21.5	10 W	4*	—
10 18	12 43.01	+ 0 14.1	3.482	2.537	6.1	21.5	16 W	10*	—
10 28	12 58.94	− 1 33.1	3.411	2.509	8.2	21.5	21 W	14*	5*

511137 2013 XM_{24}

20/21	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
9 18	12 6.78	+19 50.2	1.941	1.042	18.2	21.5	19 E	11*	—
9 23	12 28.05	+17 47.9	1.916	1.022	18.7	21.4	19 E	11*	—
9 28	12 49.32	+15 34.2	1.895	1.004	19.1	21.4	19 E	12*	—
10 3	13 10.53	+13 10.2	1.879	0.989	19.3	21.3	19 E	12*	—
10 8	13 31.62	+10 37.3	1.867	0.977	19.3	21.3	19 E	12*	—
10 13	13 52.55	+ 7 57.4	1.860	0.968	19.1	21.2	19 E	12*	—
10 18	14 13.30	+ 5 12.4	1.858	0.962	18.7	21.2	18 E	12*	—
10 23	14 33.85	+ 2 24.6	1.861	0.959	18.1	21.2	17 E	11*	—
10 28	14 54.19	− 0 24.0	1.868	0.960	17.4	21.2	17 E	11*	—
11 2	15 14.32	− 3 11.0	1.879	0.964	16.5	21.2	16 E	10*	—
11 7	15 34.27	− 5 54.5	1.894	0.972	15.4	21.2	15 E	9*	—
11 12	15 54.06	− 8 32.8	1.912	0.983	14.3	21.2	14 E	8*	—
11 17	16 13.70	−11 4.1	1.933	0.997	13.1	21.2	13 E	7*	—
11 22	16 33.21	−13 27.3	1.957	1.013	11.8	21.2	12 E	6*	—
11 27	16 52.61	−15 41.2	1.983	1.032	10.6	21.2	11 E	5*	—

511137 2013 XM_{24} *(continuation)*

20/21	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
	h m	° ′			°	m	°	°	°
12 2	17 11.91	−17 45.0	2.010	1.053	9.3	21.2	10 E	3*	—
12 7	17 31.13	−19 38.4	2.039	1.077	8.1	21.3	9 E	2*	—
12 12	17 50.26	−21 20.9	2.069	1.102	7.0	21.3	8 E	—	—
12 17	18 9.30	−22 52.4	2.099	1.128	6.1	21.3	7 E	—	—
12 22	18 28.22	−24 13.0	2.129	1.156	5.3	21.4	6 E	—	—
12 27	18 47.02	−25 22.8	2.159	1.184	4.8	21.4	6 E	—	—

100015 1989 SR_7

20/21	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
9 18	12 7.48	− 4 23.9	4.049	3.060	2.9	21.5	9 E	—	2*
9 28	12 20.71	− 5 48.1	4.054	3.055	1.3	21.3	4 E	—	—
10 8	12 34.03	− 7 12.9	4.042	3.049	1.7	21.4	5 W	—	—
10 18	12 47.44	− 8 37.7	4.013	3.041	3.6	21.5	11 W	2*	3*
10 28	13 0.87	−10 1.8	3.968	3.033	5.6	21.6	17 W	8*	8*

301982 2000 KT_4

20/21	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
9 18	12 11.85	−12 24.6	3.302	2.352	6.8	21.5	16 E	—	7*
9 28	12 30.50	−13 44.7	3.292	2.322	5.2	21.3	12 E	—	2*
10 8	12 49.64	−15 5.8	3.271	2.291	4.1	21.2	9 W	—	—
10 18	13 9.30	−16 26.6	3.239	2.259	3.9	21.2	9 W	—	2*
10 28	13 29.51	−17 45.7	3.196	2.227	4.8	21.2	11 W	—	5*
11 7	13 50.28	−19 1.3	3.142	2.195	6.4	21.2	14 W	2*	8*
11 17	14 11.64	−20 11.9	3.078	2.163	8.3	21.2	18 W	5*	11*
11 27	14 33.58	−21 15.6	3.005	2.130	10.4	21.2	23 W	8*	15*
12 7	14 56.11	−22 10.6	2.922	2.098	12.5	21.2	27 W	11*	19*
12 17	15 19.21	−22 55.0	2.832	2.065	14.7	21.2	32 W	13*	23*
12 27	15 42.82	−23 26.7	2.734	2.033	16.8	21.1	37 W	15*	28*
1 6	16 6.86	−23 43.8	2.630	2.001	19.0	21.1	41 W	16*	33*
1 16	16 31.26	−23 44.3	2.520	1.969	21.1	21.0	46 W	17*	38*

65425 2002 TL_{129}

20/21	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
9 18	12 27.38	− 6 40.1	3.269	2.307	6.1	21.5	14 E	—	8*
9 28	12 45.17	− 8 32.4	3.265	2.282	4.1	21.3	9 E	—	3*
10 8	13 3.47	−10 25.4	3.249	2.255	2.2	21.2	5 E	—	—
10 18	13 22.31	−12 18.1	3.222	2.229	1.6	21.1	4 W	—	—
10 28	13 41.73	−14 9.5	3.185	2.202	3.1	21.1	7 W	—	1*
11 7	14 1.76	−15 58.3	3.137	2.174	5.2	21.2	11 W	2*	4*
11 17	14 22.43	−17 43.2	3.079	2.146	7.3	21.2	16 W	6*	8*
11 27	14 43.77	−19 22.9	3.011	2.118	9.5	21.2	21 W	9*	12*
12 7	15 5.79	−20 55.9	2.936	2.089	11.7	21.3	25 W	11*	16*
12 17	15 28.51	−22 20.7	2.852	2.060	13.8	21.2	30 W	13*	21*
12 27	15 51.91	−23 35.8	2.762	2.031	16.0	21.2	35 W	14*	26*
1 6	16 15.94	−24 39.7	2.665	2.003	18.1	21.2	39 W	14*	31*
1 16	16 40.57	−25 30.8	2.563	1.974	20.2	21.1	44 W	15*	36*

188228 2002 TH_{267}

20/21	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
9 18	12 27.62	− 6 22.0	3.357	2.394	5.8	21.5	14 E	—	8*
9 28	12 44.87	− 7 59.2	3.350	2.365	3.7	21.3	9 E	—	3*
10 8	13 2.61	− 9 37.3	3.331	2.335	1.8	21.2	4 E	—	—
10 18	13 20.88	−11 15.3	3.299	2.305	1.4	21.1	3 W	—	—
10 28	13 39.68	−12 52.0	3.255	2.273	3.2	21.2	7 W	—	—
11 7	13 59.04	−14 26.2	3.200	2.241	5.4	21.2	12 W	4*	4*
11 17	14 19.01	−15 56.8	3.134	2.209	7.6	21.2	17 W	7*	8*
11 27	14 39.59	−17 22.3	3.058	2.175	9.8	21.3	22 W	11*	12*
12 7	15 0.79	−18 41.2	2.972	2.142	12.0	21.2	27 W	14*	16*
12 17	15 22.64	−19 52.3	2.878	2.107	14.3	21.2	32 W	16*	21*
12 27	15 45.09	−20 53.8	2.776	2.073	16.5	21.2	37 W	17*	26*
1 6	16 8.15	−21 44.3	2.668	2.038	18.6	21.1	41 W	18*	32*
1 16	16 31.75	−22 22.4	2.555	2.003	20.7	21.1	46 W	18*	37*

495760 2017 CL_{12}

20/21	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
9 18	12 42.25	− 8 24.7	2.766	1.837	9.8	21.5	18 E	—	12*
9 28	13 5.23	−10 46.9	2.762	1.809	8.0	21.4	15 E	—	8*
10 8	13 29.10	−13 7.7	2.753	1.783	6.2	21.2	11 E	—	5*
10 18	13 53.93	−15 24.8	2.740	1.758	4.5	21.1	8 E	—	1*
10 28	14 19.80	−17 35.6	2.723	1.735	2.9	21.0	5 E	—	—
11 7	14 46.72	−19 37.4	2.703	1.715	2.0	20.9	3 W	—	—
11 17	15 14.72	−21 27.3	2.680	1.696	2.5	20.9	4 W	—	—
11 27	15 43.76	−23 2.2	2.655	1.680	4.0	20.9	7 W	—	1*
12 7	16 13.72	−24 19.2	2.629	1.666	5.7	21.0	10 W	—	3*
12 17	16 44.48	−25 15.8	2.601	1.655	7.5	21.0	13 W	1*	6*
12 27	17 15.77	−25 49.7	2.572	1.647	9.2	21.1	16 W	2*	9*
1 6	17 47.33	−25 59.5	2.543	1.641	11.0	21.1	19 W	3*	12*
1 16	18 18.86	−25 44.9	2.513	1.639	12.8	21.1	22 W	4*	15*

102873 1999 WK_{11}

20/21	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
9 18	12 54.18	− 1 53.7	2.580	1.656	11.0	21.4	18 E	4*	12*
9 28	13 17.57	− 4 41.4	2.541	1.594	9.4	21.3	15 E	3*	8*
10 8	13 42.46	− 7 32.9	2.496	1.533	7.8	21.1	12 E	1*	5*
10 18	14 9.09	−10 26.0	2.447	1.472	6.2	20.9	9 E	—	3*
10 28	14 37.69	−13 17.6	2.395	1.413	4.8	20.7	7 E	—	—
11 7	15 8.49	−16 3.8	2.343	1.357	3.4	20.4	5 E	—	—

(continuation)

20/21	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
	h m	° ′			°	m	°	°	°
102873 1999 WK_{11}									
11 12	15 24.80	−17 23.2	2.317	1.331	2.8	20.3	4 E	—	—
11 17	15 41.74	−18 39.1	2.292	1.305	2.2	20.2	3 E	—	—
11 22	15 59.32	−19 50.7	2.267	1.281	1.6	20.1	2 E	—	—
11 27	16 17.56	−20 57.0	2.244	1.258	1.1	20.0	1 E	—	—
12 2	16 36.44	−21 57.0	2.222	1.236	0.6	19.9	1 E	—	—
12 7	16 55.95	−22 49.7	2.201	1.216	0.2	19.8	0 E	—	—
12 12	17 16.05	−23 34.2	2.183	1.198	0.5	19.8	1 W	—	—
12 17	17 36.69	−24 9.4	2.166	1.182	0.8	19.8	1 W	—	—
12 22	17 57.79	−24 34.4	2.151	1.168	1.2	19.8	1 W	—	—
12 27	18 19.25	−24 48.6	2.139	1.157	1.5	19.8	2 W	—	—
1 1	18 40.98	−24 51.4	2.130	1.148	1.8	19.8	2 W	—	—
1 6	19 2.85	−24 42.4	2.123	1.141	2.1	19.8	2 W	—	—
1 11	19 24.74	−24 21.6	2.119	1.137	2.4	19.8	3 W	—	—
1 16	19 46.54	−23 49.2	2.117	1.136	2.6	19.8	3 W	—	—
358109 2006 KZ_{123}									
9 18	12 57.38	− 3 25.1	3.574	2.647	7.3	21.4	19 E	3*	13*
9 28	13 11.36	− 5 30.5	3.579	2.616	5.2	21.3	14 E	1*	7*
10 8	13 25.86	− 7 36.3	3.570	2.584	3.0	21.1	8 E	—	2*
10 18	13 40.88	− 9 42.2	3.547	2.551	0.9	20.9	2 E	—	—
10 28	13 56.43	−11 47.7	3.509	2.518	1.4	20.9	4 W	—	—
11 7	14 12.52	−13 52.5	3.458	2.484	3.6	21.0	9 W	2*	1*
11 17	14 29.16	−15 56.3	3.393	2.450	5.9	21.1	15 W	6*	5*
11 27	14 46.36	−17 58.4	3.315	2.415	8.2	21.1	20 W	9*	10*
12 7	15 4.14	−19 58.6	3.226	2.379	10.4	21.1	26 W	12*	16*
12 17	15 22.54	−21 56.5	3.125	2.343	12.7	21.1	31 W	14*	22*
12 27	15 41.54	−23 51.7	3.015	2.306	14.9	21.0	37 W	15*	28*
1 6	16 1.19	−25 44.0	2.896	2.270	17.0	21.0	42 W	15*	34*
1 16	16 21.50	−27 33.2	2.770	2.233	19.1	20.9	48 W	14*	41*
453775 2011 HQ_5									
9 18	13 9.84	− 1 56.0	2.465	1.581	13.9	21.4	22 E	7*	15*
9 28	13 35.70	− 4 50.5	2.460	1.552	12.4	21.4	19 E	6*	13*
10 8	14 2.56	− 7 43.3	2.454	1.526	11.0	21.3	17 E	4*	10*
10 18	14 30.53	−10 31.2	2.448	1.504	9.5	21.2	14 E	3*	7*
10 28	14 59.64	−13 10.7	2.442	1.485	8.1	21.1	12 E	2*	5*
11 7	15 29.93	−15 37.9	2.437	1.470	6.6	21.0	10 E	1*	2*
11 17	16 1.36	−17 49.0	2.434	1.460	5.1	20.9	8 E	—	—
11 27	16 33.84	−19 40.1	2.433	1.454	3.6	20.8	5 E	—	—
12 7	17 7.16	−21 8.0	2.435	1.452	2.1	20.7	3 E	—	—
12 17	17 41.09	−22 10.0	2.439	1.455	0.9	20.6	1 E	—	—
12 27	18 15.28	−22 44.8	2.445	1.463	1.3	20.7	2 W	—	—
1 6	18 49.36	−22 51.9	2.453	1.474	2.8	20.8	4 W	—	—
1 16	19 22.99	−22 32.3	2.463	1.490	4.4	20.9	7 W	—	—
234341 2001 FZ_{57}									
9 18	13 10.60	−12 55.1	1.830	1.031	25.7	21.5	26 E	—	20*
9 28	13 36.86	−16 33.4	1.747	0.928	26.2	21.1	24 E	—	18*
10 8	14 6.93	−20 17.9	1.638	0.814	28.3	20.8	23 E	—	16*
10 18	14 42.35	−24 0.6	1.498	0.687	33.1	20.4	22 E	—	15*
10 23	15 2.67	−25 44.8	1.414	0.621	37.4	20.1	22 E	—	16*
10 28	15 24.97	−27 16.6	1.319	0.554	43.5	19.9	23 E	—	16*
11 2	15 49.17	−28 25.5	1.211	0.489	52.5	19.7	23 E	—	17*
11 7	16 14.46	−28 53.4	1.089	0.432	65.5	19.6	23 E	—	17*
11 9	16 24.44	−28 47.4	1.037	0.412	72.1	19.6	23 E	—	17*
11 11	16 33.99	−28 28.5	0.982	0.396	79.5	19.6	23 E	—	17*
11 13	16 42.82	−27 54.7	0.927	0.384	87.9	19.7	23 E	—	17*
11 15	16 50.58	−27 3.8	0.871	0.376	96.9	20.0	22 E	1*	16*
11 17	16 56.93	−25 54.4	0.816	0.374	106.5	20.3	21 E	2*	15*
11 19	17 1.57	−24 25.5	0.763	0.376	116.3	20.8	20 E	3*	14*
11 21	17 4.32	−22 37.4	0.713	0.383	125.9	21.4	18 E	4*	11*
455740 2005 JA_{14}									
9 18	13 11.33	−12 28.9	2.718	1.871	13.8	21.4	26 E	—	20*
9 28	13 33.42	−14 56.0	2.716	1.831	12.1	21.3	23 E	—	16*
10 8	13 56.80	−17 21.7	2.707	1.793	10.5	21.2	19 E	—	13*
10 18	14 21.59	−19 43.6	2.694	1.756	8.8	21.1	16 E	—	9*
10 28	14 47.89	−21 58.8	2.677	1.721	7.3	20.9	13 E	—	6*
11 7	15 15.75	−24 3.8	2.656	1.689	5.8	20.8	10 E	—	3*
11 17	15 45.23	−25 54.9	2.633	1.659	4.6	20.7	8 E	—	1*
11 27	16 16.27	−27 27.9	2.609	1.632	3.9	20.6	6 E	—	—
12 7	16 48.72	−28 39.0	2.584	1.609	3.8	20.5	6 W	—	—
12 17	17 22.35	−29 24.3	2.561	1.589	4.4	20.5	7 W	—	—
12 27	17 56.78	−29 41.1	2.538	1.573	5.4	20.5	9 W	—	2*
1 6	18 31.56	−29 27.4	2.517	1.561	6.7	20.6	11 W	—	4*
1 16	19 6.23	−28 43.1	2.498	1.554	8.0	20.6	13 W	—	7*

20/21	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
	h m	° ′			°	m	°	°	°
417655 2006 YF_{13}									
9 18	13 11.45	− 4 57.6	1.447	0.656	37.1	21.3	23 E	5*	17*
9 23	13 34.68	− 6 31.7	1.379	0.622	41.7	21.2	24 E	6*	18*
9 28	13 58.92	− 8 5.2	1.306	0.593	47.2	21.1	26 E	7*	19*
10 3	14 24.08	− 9 37.1	1.228	0.570	53.6	21.1	27 E	8*	21*
10 8	14 50.04	−11 6.4	1.145	0.554	60.8	21.1	29 E	10*	22*
10 13	15 16.61	−12 32.9	1.060	0.548	68.4	21.1	31 E	11*	24*
10 18	15 43.66	−13 56.9	0.973	0.552	76.1	21.2	33 E	12*	25*
10 23	16 11.15	−15 19.4	0.888	0.565	83.2	21.3	34 E	13*	27*
10 28	16 39.21	−16 41.7	0.807	0.587	89.5	21.4	36 E	14*	28*
310842 2003 AK_{18}									
9 18	13 15.36	−11 26.7	1.468	0.726	38.4	21.4	27 E	1*	21*
9 23	13 36.17	−13 7.2	1.409	0.688	41.6	21.3	27 E	1*	21*
9 28	13 58.08	−14 41.8	1.344	0.652	45.5	21.1	28 E	2*	22*
10 3	14 21.09	−16 7.5	1.274	0.618	50.4	21.1	28 E	3*	22*
10 8	14 45.13	−17 20.9	1.199	0.588	56.2	21.0	29 E	4*	23*
10 13	15 10.00	−18 18.0	1.117	0.564	63.1	20.9	30 E	6*	24*
10 18	15 35.35	−18 55.1	1.032	0.548	70.8	20.9	31 E	7*	25*
10 23	16 0.71	−19 9.3	0.943	0.540	79.2	21.0	32 E	9*	26*
10 28	16 25.54	−18 59.0	0.854	0.542	87.8	21.1	33 E	11*	26*
11 2	16 49.43	−18 24.6	0.765	0.554	96.2	21.3	34 E	13*	26*
11 7	17 12.16	−17 27.7	0.681	0.574	104.0	21.5	34 E	15*	26*
212188 2005 GX_{94}									
9 18	13 36.95	− 6 11.8	3.244	2.422	11.9	21.5	30 E	8*	23*
9 28	13 53.78	− 7 26.1	3.259	2.382	10.0	21.4	24 E	7*	18*
10 8	14 11.38	− 8 39.8	3.263	2.342	8.1	21.3	19 E	5*	12*
10 18	14 29.77	− 9 51.6	3.254	2.301	6.1	21.1	14 E	4*	7*
10 28	14 48.94	−11 0.2	3.233	2.260	4.3	21.0	10 E	2*	2*
11 7	15 8.91	−12 4.0	3.201	2.219	2.8	20.9	6 E	—	—
11 17	15 29.68	−13 1.6	3.158	2.177	2.7	20.8	6 W	—	—
11 27	15 51.25	−13 51.2	3.105	2.135	4.0	20.8	9 W	3*	—
12 7	16 13.59	−14 31.3	3.043	2.093	5.9	20.8	13 W	7*	—
12 17	16 36.69	−15 0.3	2.973	2.052	8.0	20.8	17 W	10*	3*
12 27	17 0.50	−15 16.6	2.896	2.010	10.2	20.8	21 W	13*	8*
1 6	17 24.96	−15 18.7	2.813	1.969	12.3	20.8	25 W	15*	12*
1 16	17 50.00	−15 5.4	2.726	1.929	14.5	20.7	29 W	16*	17*
465402 2008 HW_1									
9 18	13 41.49	− 2 54.6	2.485	1.693	17.3	21.3	30 E	11*	23*
9 28	13 54.89	− 4 38.4	2.400	1.542	15.4	21.0	24 E	9*	17*
10 8	14 10.39	− 6 31.1	2.287	1.380	13.5	20.6	19 E	7*	11*
10 18	14 28.51	− 8 35.2	2.146	1.204	11.6	20.1	14 E	5*	6*
10 23	14 38.80	− 9 42.6	2.064	1.110	10.7	19.8	12 E	3*	4*
10 28	14 50.10	−10 54.3	1.975	1.011	9.9	19.4	10 E	2*	2*
11 2	15 2.65	−12 11.4	1.876	0.907	9.3	19.1	8 E	1*	—
11 7	15 16.75	−13 35.2	1.769	0.795	9.0	18.6	7 E	1*	—
11 12	15 32.87	−15 7.5	1.650	0.675	9.1	18.1	6 E	—	—
11 17	15 51.67	−16 51.3	1.518	0.543	10.3	17.5	6 E	—	—
11 22	16 14.14	−18 51.7	1.366	0.395	14.3	16.8	6 E	—	—
11 27	16 40.99	−21 20.0	1.172	0.224	31.4	15.7	7 E	—	—
11 28	16 46.43	−21 54.7	1.122	0.188	40.3	15.5	7 E	—	—
11 29	16 51.15	−22 30.9	1.067	0.152	54.5	15.3	7 E	—	1*
11 30	16 53.84	−23 6.2	1.005	0.121	77.9	15.4	7 E	—	1*
12 1	16 51.83	−23 32.1	0.939	0.104	114.1	16.7	6 E	—	—
358453 2007 EH_{88}									
9 18	13 57.78	−20 59.0	0.863	0.656	81.7	21.4	40 E	1*	33*
9 23	14 15.30	−22 4.4	0.788	0.639	88.8	21.4	40 E	1*	33*
9 28	14 32.75	−22 44.4	0.711	0.629	96.6	21.5	39 E	1*	32*
10 3	14 49.72	−22 51.2	0.634	0.628	105.0	21.7	37 E	2*	31*
10 8	15 5.80	−22 16.7	0.559	0.635	113.6	21.9	36 E	3*	30*
253822 2003 YT_{57}									
9 18	14 3.32	− 4 39.4	3.689	2.933	11.5	21.5	36 E	14*	28*
9 28	14 16.12	− 6 10.7	3.742	2.913	9.8	21.4	30 E	11*	22*
10 8	14 29.51	− 7 40.1	3.781	2.893	7.9	21.4	24 E	9*	16*
10 18	14 43.47	− 9 6.9	3.805	2.872	6.0	21.3	18 E	7*	10*
10 28	14 57.95	−10 30.5	3.813	2.849	4.2	21.2	12 E	4*	3*
11 7	15 12.91	−11 50.3	3.806	2.826	2.5	21.0	7 E	1*	—
11 17	15 28.31	−13 5.6	3.784	2.802	2.1	21.0	6 W	—	—
11 27	15 44.10	−14 15.9	3.746	2.777	3.4	21.0	10 W	4*	—
12 7	16 0.23	−15 20.6	3.692	2.752	5.3	21.1	15 W	8*	2*
12 17	16 16.65	−16 19.3	3.624	2.725	7.3	21.1	21 W	12*	8*
12 27	16 33.29	−17 11.7	3.542	2.698	9.4	21.1	27 W	15*	14*
1 6	16 50.09	−17 57.5	3.446	2.670	11.4	21.1	33 W	17*	21*
1 16	17 6.97	−18 36.7	3.337	2.641	13.4	21.1	39 W	18*	28*

20/21	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
	162785 2000 YA_{17}								
	h m	° ′			°	m	°	°	°
9 18	14 13.64	+ 4 36.4	3.674	2.945	12.1	21.5	38 E	22*	26*
9 28	14 26.34	+ 2 55.5	3.729	2.932	10.5	21.5	32 E	20*	20*
10 8	14 39.58	+ 1 18.7	3.772	2.918	9.0	21.4	27 E	17*	14*
10 18	14 53.31	− 0 13.5	3.801	2.904	7.5	21.4	22 E	15*	8*
10 28	15 7.47	− 1 40.3	3.815	2.888	6.2	21.3	18 E	12*	2*
11 7	15 22.02	− 3 1.3	3.815	2.872	5.3	21.2	16 E	9*	—
11 17	15 36.91	− 4 15.9	3.799	2.855	5.1	21.2	15 E	6*	—
11 27	15 52.07	− 5 23.6	3.769	2.836	5.6	21.2	16 W	9*	—
12 7	16 7.44	− 6 23.9	3.724	2.817	6.8	21.2	20 W	14*	—
12 17	16 22.97	− 7 16.6	3.664	2.797	8.3	21.2	24 W	18*	3*
12 27	16 38.57	− 8 1.3	3.590	2.776	10.0	21.2	29 W	22*	9*
1 6	16 54.16	− 8 37.8	3.502	2.754	11.8	21.2	35 W	24*	16*
1 16	17 9.65	− 9 6.2	3.402	2.731	13.6	21.2	41 W	27*	24*
	162063 1997 EH_{29}								
9 18	14 19.38	− 5 8.5	1.502	0.973	41.4	21.3	40 E	16*	32*
9 28	14 43.44	− 7 40.1	1.403	0.844	44.9	21.0	37 E	15*	29*
10 8	15 9.96	−10 29.0	1.270	0.708	51.6	20.6	34 E	13*	26*
10 18	15 37.80	−13 46.0	1.097	0.569	64.6	20.2	31 E	12*	24*
10 23	15 50.65	−15 41.9	0.994	0.505	75.4	20.0	29 E	10*	22*
10 28	16 0.33	−17 55.7	0.881	0.451	90.5	20.1	27 E	8*	20*
11 2	16 2.90	−20 31.7	0.765	0.415	111.0	20.6	23 E	5*	17*
11 7	15 53.05	−23 23.4	0.660	0.405	135.7	22.4	17 E	—	11*
	90367 2003 LC_5								
9 18	14 29.96	− 9 44.8	2.127	1.556	26.3	21.5	43 E	14*	37*
9 28	14 50.87	−12 23.3	2.164	1.524	24.5	21.4	39 E	12*	33*
10 8	15 13.01	−14 55.5	2.189	1.487	22.7	21.3	35 E	10*	29*
10 18	15 36.54	−17 20.3	2.202	1.445	21.0	21.2	31 E	9*	25*
10 28	16 1.67	−19 36.1	2.202	1.399	19.2	21.1	28 E	7*	21*
11 7	16 28.60	−21 40.8	2.190	1.347	17.5	21.0	24 E	5*	18*
11 17	16 57.60	−23 31.7	2.165	1.291	15.9	20.8	21 E	4*	14*
11 27	17 28.92	−25 5.1	2.129	1.230	14.5	20.6	18 E	2*	12*
12 7	18 2.80	−26 16.1	2.081	1.164	13.3	20.4	16 E	1*	9*
12 12	18 20.77	−26 41.3	2.053	1.130	12.9	20.3	15 E	1*	8*
12 17	18 39.47	−26 58.6	2.022	1.095	12.7	20.2	14 E	—	8*
12 22	18 58.89	−27 6.8	1.990	1.059	12.5	20.1	14 E	—	7*
12 27	19 19.04	−27 4.8	1.955	1.022	12.6	19.9	13 E	—	7*
1 1	19 39.92	−26 51.5	1.918	0.984	12.9	19.8	13 E	—	7*
1 6	20 1.51	−26 25.5	1.880	0.947	13.4	19.7	13 E	—	7*
1 11	20 23.79	−25 45.5	1.840	0.909	14.1	19.6	13 E	—	7*
1 16	20 46.70	−24 50.0	1.799	0.872	15.1	19.5	13 E	—	7*
	276891 2004 RH_{340}								
9 18	14 55.07	−47 53.5	0.886	1.021	63.2	21.4	65 E	—	47*
9 23	15 9.63	−49 2.3	0.864	0.990	65.1	21.4	64 E	—	46*
9 28	15 25.61	−50 6.7	0.838	0.961	67.3	21.3	62 E	—	44*
10 3	15 43.13	−51 4.2	0.808	0.933	69.7	21.2	61 E	—	44*
10 8	16 2.26	−51 51.5	0.773	0.907	72.5	21.2	60 E	—	43*
10 13	16 23.02	−52 24.6	0.734	0.883	75.6	21.1	59 E	—	43*
10 18	16 45.35	−52 38.8	0.691	0.861	79.1	21.0	58 E	—	42*
10 23	17 9.03	−52 27.9	0.645	0.841	82.9	21.0	57 E	—	43*
10 28	17 33.64	−51 44.7	0.597	0.826	87.1	20.9	56 E	—	43*
11 2	17 58.60	−50 20.3	0.546	0.813	91.6	20.9	55 E	—	44*
11 7	18 23.22	−48 4.1	0.495	0.805	96.4	20.9	54 E	—	44*
11 12	18 46.76	−44 43.6	0.445	0.801	101.3	20.9	53 E	—	45*
11 17	19 8.60	−40 3.6	0.396	0.802	106.3	20.9	51 E	2*	45*
11 22	19 28.23	−33 46.4	0.351	0.807	110.8	20.9	50 E	8*	44*
11 27	19 45.37	−25 35.7	0.313	0.816	114.3	20.9	49 E	16*	41*
12 2	20 0.01	−15 24.7	0.283	0.829	115.9	20.8	49 E	26*	36*
12 7	20 12.33	− 3 32.6	0.265	0.845	114.5	20.6	51 E	36*	28*
12 12	20 22.72	+ 9 6.5	0.259	0.865	110.0	20.3	56 E	47*	19*
12 17	20 31.63	+21 20.4	0.265	0.888	103.5	20.1	61 E	55*	10*
12 19	20 34.89	+25 53.3	0.271	0.897	100.6	20.0	64 E	58*	6*
12 21	20 38.02	+30 10.9	0.278	0.907	97.7	19.9	66 E	60*	3*
12 23	20 41.05	+34 12.2	0.286	0.918	94.8	19.9	68 E	61*	—
12 25	20 44.02	+37 57.0	0.294	0.928	91.9	19.8	71 E	62*	—
12 27	20 46.96	+41 25.6	0.304	0.939	89.2	19.8	73 E	62*	—
12 29	20 49.90	+44 38.9	0.315	0.951	86.6	19.8	75 E	62*	—
12 31	20 52.88	+47 38.0	0.326	0.962	84.1	19.8	77 E	61*	—
1 2	20 55.94	+50 24.1	0.337	0.973	81.7	19.8	78 E	61*	—
1 4	20 59.12	+52 58.4	0.349	0.985	79.5	19.9	80 E	60*	—
1 6	21 2.45	+55 22.3	0.361	0.997	77.4	19.9	82 E	59*	—
1 8	21 5.98	+57 36.8	0.373	1.009	75.3	19.9	83 E	58*	—
1 10	21 9.77	+59 43.0	0.386	1.021	73.4	19.9	84 E	57*	—
1 12	21 13.85	+61 42.1	0.398	1.033	71.6	20.0	86 E	56*	—
1 14	21 18.28	+63 34.7	0.411	1.046	69.9	20.0	87 E	56*	—
1 16	21 23.13	+65 21.8	0.423	1.058	68.3	20.1	88 E	55*	—

2020	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
	226514 2003 UX_{34}								
	h m	° ′			°	m	°	°	°
9 18	15 39.99	−22 57.6	0.325	0.904	98.5	21.0	63 E	12*	57*
9 20	16 6.36	−24 8.5	0.322	0.927	94.3	20.8	67 E	14*	61*
9 22	16 33.10	−25 1.9	0.323	0.950	90.0	20.7	71 E	15*	65*
9 24	16 59.61	−25 36.5	0.327	0.973	85.7	20.6	75 E	16*	69*
9 26	17 25.34	−25 52.8	0.334	0.995	81.6	20.6	79 E	17*	73*
9 28	17 49.82	−25 52.4	0.344	1.017	77.7	20.5	83 E	18*	77*
9 30	18 12.74	−25 38.1	0.356	1.039	74.1	20.5	86 E	19*	80*
10 2	18 33.93	−25 12.8	0.371	1.060	70.8	20.6	89 E	20*	83*
10 4	18 53.34	−24 39.6	0.388	1.080	67.8	20.6	91 E	20*	85*
10 6	19 11.04	−24 1.0	0.407	1.101	65.1	20.7	93 E	21	86*
10 8	19 27.12	−23 18.9	0.427	1.121	62.6	20.7	95 E	22	87*
10 10	19 41.73	−22 35.1	0.449	1.140	60.5	20.8	97 E	22	87*
10 12	19 55.02	−21 50.6	0.471	1.159	58.5	20.9	98 E	23	86
10 14	20 7.15	−21 6.3	0.495	1.178	56.8	21.0	99 E	24	85
10 16	20 18.25	−20 22.6	0.520	1.197	55.3	21.1	99 E	25	84
10 18	20 28.45	−19 39.9	0.545	1.215	53.9	21.2	100 E	25	84
10 23	20 50.75	−17 58.5	0.612	1.259	51.0	21.4	100 E	27	82
10 28	21 9.50	−16 25.2	0.682	1.300	48.8	21.7	100 E	29	80
11 2	21 25.71	−14 59.1	0.754	1.340	47.0	21.9	99 E	30	79*
11 7	21 40.06	−13 39.3	0.828	1.377	45.4	22.1	98 E	31	77*
	481532 2007 LE								
9 28	1 11.70	−40 7.7	1.868	2.682	15.0	24.0	136 W	5	76
10 3	1 3.87	−40 23.0	1.888	2.692	15.2	24.1	135 W	5	76
10 8	0 56.06	−40 27.3	1.913	2.702	15.5	24.1	134 W	5	76
10 13	0 48.47	−40 20.6	1.944	2.711	16.0	24.2	132 E	5	76
10 18	0 41.28	−40 3.3	1.980	2.719	16.5	24.2	129 E	5	76
10 23	0 34.67	−39 36.1	2.021	2.727	17.2	24.3	126 E	5	76
10 28	0 28.76	−39 0.0	2.066	2.735	17.8	24.4	123 E	6	77
	508796 2000 KN_{44}								
9 28	1 11.82	−27 43.2	3.287	4.168	7.4	24.7	148 W	17	88
10 3	1 7.51	−28 3.9	3.285	4.162	7.5	24.7	147 W	17	88
10 8	1 3.10	−28 20.1	3.291	4.155	7.8	24.7	146 W	17	88
10 13	0 58.67	−28 31.5	3.303	4.148	8.2	24.8	144 E	16	87
10 18	0 54.31	−28 37.7	3.322	4.142	8.8	24.8	141 E	16	87
10 23	0 50.09	−28 38.7	3.347	4.134	9.4	24.8	137 E	16	87
10 28	0 46.09	−28 34.6	3.378	4.127	10.0	24.9	134 E	16	87
	359369 2009 YG								
9 28	1 13.47	+ 3 34.0	2.493	3.474	3.9	23.6	166 W	49	60
10 8	1 3.37	+ 2 28.1	2.500	3.497	1.1	23.4	176 W	47	62
10 18	0 53.37	+ 1 25.4	2.539	3.518	3.5	23.6	167 E	46	63
10 28	0 44.22	+ 0 30.7	2.610	3.537	6.7	23.8	155 E	46	63
11 7	0 36.53	− 0 12.5	2.710	3.555	9.6	24.0	143 E	45	64
	1915 Quetzálcoatl								
9 28	1 19.77	− 8 2.0	1.989	2.958	6.1	23.3	162 W	37	72
10 3	1 15.33	− 8 59.9	1.958	2.932	5.4	23.2	164 W	36	73
10 8	1 10.59	− 9 56.5	1.933	2.906	5.5	23.2	164 W	35	74
10 13	1 5.66	−10 50.6	1.917	2.880	6.4	23.2	161 E	34	75
10 18	1 0.66	−11 41.1	1.908	2.853	7.7	23.2	157 E	33	76
10 23	0 55.72	−12 26.8	1.906	2.826	9.3	23.3	153 E	33	76
10 28	0 50.98	−13 7.0	1.911	2.799	11.1	23.3	147 E	32	77
	469494 2002 XS_{40}								
9 28	1 23.12	−15 56.0	1.037	1.995	11.8	22.4	156 W	29	80
10 3	1 15.68	−16 49.1	1.031	1.991	11.3	22.4	157 W	28	81
10 8	1 7.87	−17 34.0	1.031	1.987	11.6	22.4	156 W	27	82
10 13	0 59.96	−18 9.0	1.037	1.982	12.8	22.4	154 E	27	82
10 18	0 52.23	−18 33.0	1.049	1.977	14.5	22.5	150 E	26	83
10 23	0 44.93	−18 45.3	1.067	1.970	16.5	22.6	146 E	26	83
10 28	0 38.31	−18 46.2	1.090	1.964	18.6	22.7	141 E	26	83
	387746 2003 MH_4								
9 28	1 27.59	+14 52.6	1.752	2.710	7.7	23.9	159 W	60	49
10 3	1 21.78	+14 19.1	1.747	2.726	5.5	23.8	165 W	59	50
10 8	1 15.81	+13 42.5	1.750	2.740	3.4	23.7	171 W	59	50
10 13	1 9.82	+13 3.8	1.759	2.754	1.9	23.7	175 E	58	51
10 18	1 3.96	+12 23.9	1.777	2.768	2.7	23.7	173 E	57	52
10 23	0 58.39	+11 43.8	1.802	2.781	4.6	23.9	167 E	57	52
10 28	0 53.22	+11 4.7	1.835	2.794	6.6	24.0	161 E	56	53
	509594 2008 DA_{38}								
9 28	1 29.06	+ 6 36.6	3.222	4.185	4.3	23.5	162 W	52	57
10 8	1 22.19	+ 5 47.2	3.202	4.196	1.6	23.3	173 W	51	58
10 18	1 15.07	+ 4 57.4	3.214	4.206	1.5	23.4	174 E	50	59
10 28	1 8.25	+ 4 10.6	3.257	4.215	4.1	23.6	162 E	49	60
11 7	1 2.20	+ 3 30.1	3.330	4.223	6.6	23.7	151 E	49	60

2020	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
		514846 2008 EQ_7							
	h m	° ′			°	m	°	°	°
9 28	1 30.81	− 1 57.1	0.726	1.706	10.7	23.7	162 W	43	66
10 3	1 23.46	− 3 7.9	0.722	1.710	8.0	23.6	166 W	42	67
10 8	1 15.70	− 4 15.3	0.723	1.714	6.6	23.6	169 W	41	68
10 13	1 7.83	− 5 16.8	0.731	1.718	7.6	23.6	167 E	40	69
10 18	1 0.19	− 6 10.1	0.744	1.720	10.1	23.8	162 E	39	70
10 23	0 53.11	− 6 53.3	0.763	1.722	13.2	24.0	157 E	38	71
10 28	0 46.83	− 7 25.7	0.787	1.724	16.3	24.1	151 E	38	71
		9767 Midsomer Norton							
9 28	1 37.57	+34 2.5	4.393	5.228	6.6	23.4	143 W	79	30
10 8	1 30.44	+33 54.5	4.323	5.218	5.4	23.3	151 W	79	30
10 18	1 22.87	+33 33.6	4.281	5.207	4.5	23.2	156 E	79	30
10 28	1 15.36	+33 1.1	4.269	5.195	4.4	23.2	157 E	78	31
11 7	1 8.40	+32 19.4	4.287	5.183	5.1	23.3	152 E	77	32
		488515 2001 FE_{90}							
9 28	1 43.66	− 6 24.6	1.187	2.146	10.4	23.3	157 W	39	70
10 3	1 36.66	− 7 5.2	1.201	2.172	8.5	23.3	161 W	38	71
10 8	1 29.51	− 7 40.8	1.221	2.199	7.2	23.3	164 W	37	72
10 13	1 22.43	− 8 10.3	1.248	2.224	7.1	23.3	164 W	37	72
10 18	1 15.61	− 8 33.1	1.282	2.249	8.1	23.5	161 E	36	73
10 23	1 9.26	− 8 48.6	1.323	2.274	9.7	23.6	157 E	36	73
10 28	1 3.52	− 8 56.8	1.370	2.298	11.5	23.8	152 E	36	73
11 2	0 58.49	− 8 58.0	1.424	2.321	13.3	24.0	147 E	36	73
		386720 2009 XC_2							
9 28	1 45.54	−25 4.7	3.291	4.157	7.8	23.2	146 W	20	89
10 3	1 41.60	−25 34.2	3.290	4.161	7.6	23.2	147 W	19	90
10 8	1 37.48	−25 59.6	3.295	4.164	7.6	23.2	147 W	19	90
10 13	1 33.24	−26 20.5	3.306	4.168	7.8	23.2	146 W	19	90
10 18	1 28.97	−26 36.5	3.325	4.170	8.1	23.3	144 E	18	89
10 23	1 24.74	−26 47.4	3.350	4.173	8.6	23.3	141 E	18	89
10 28	1 20.65	−26 53.0	3.381	4.176	9.1	23.4	138 E	18	89
11 2	1 16.74	−26 53.4	3.419	4.178	9.7	23.4	135 E	18	89
		308604 2005 VX_{112}							
9 28	1 46.39	+17 40.1	0.790	1.745	14.9	21.3	153 W	63	46
10 8	1 40.69	+16 42.8	0.721	1.705	9.1	20.9	164 W	62	47
10 18	1 32.38	+15 12.2	0.671	1.665	3.4	20.4	174 W	60	49
10 28	1 23.18	+13 16.8	0.642	1.628	6.9	20.4	169 E	58	51
11 2	1 18.93	+12 15.0	0.635	1.609	10.6	20.5	163 E	57	52
11 7	1 15.27	+11 13.6	0.632	1.591	14.3	20.6	157 E	56	53
11 12	1 12.42	+10 15.2	0.634	1.574	17.9	20.7	151 E	55	54
11 17	1 10.58	+ 9 21.9	0.640	1.557	21.4	20.8	145 E	54	55
11 22	1 9.88	+ 8 35.8	0.650	1.541	24.6	20.9	140 E	54	55
11 27	1 10.40	+ 7 58.1	0.662	1.525	27.6	21.1	134 E	53	56
12 2	1 12.15	+ 7 29.3	0.677	1.510	30.2	21.2	130 E	52	57
12 7	1 15.11	+ 7 9.7	0.695	1.496	32.7	21.3	125 E	52	57
12 12	1 19.23	+ 6 59.2	0.714	1.483	34.8	21.4	121 E	52	57
12 17	1 24.48	+ 6 57.6	0.734	1.470	36.7	21.5	117 E	52	57
		401856 2000 KW_{43}							
9 28	2 0.88	−40 37.5	0.957	1.786	24.9	22.5	131 W	4	75
10 3	1 51.94	−41 56.3	0.934	1.761	25.4	22.4	131 W	3	74
10 8	1 41.57	−43 0.2	0.915	1.735	26.2	22.4	130 W	2	73
10 13	1 30.04	−43 45.8	0.900	1.709	27.3	22.4	128 W	1	72
10 18	1 17.78	−44 9.9	0.889	1.681	28.6	22.3	126 E	1	72
10 23	1 5.29	−44 10.9	0.881	1.653	30.1	22.3	123 E	1	72
10 28	0 53.12	−43 48.2	0.876	1.624	31.8	22.3	120 E	1	72
11 2	0 41.75	−43 2.7	0.874	1.594	33.6	22.3	117 E	2	73
11 7	0 31.57	−41 56.0	0.874	1.563	35.5	22.3	114 E	3	74
11 12	0 22.85	−40 30.4	0.876	1.531	37.4	22.3	110 E	4	75
		385368 2002 PF_{179}							
9 28	2 2.11	+32 4.4	2.375	3.219	11.2	22.0	141 W	77	32
10 3	1 57.62	+32 4.3	2.354	3.233	10.0	22.0	146 W	77	32
10 8	1 52.78	+31 58.9	2.339	3.247	8.7	21.9	151 W	77	32
10 13	1 47.69	+31 48.2	2.331	3.261	7.5	21.8	155 W	77	32
10 18	1 42.48	+31 32.4	2.330	3.275	6.6	21.8	158 W	77	32
10 23	1 37.28	+31 11.9	2.336	3.288	6.0	21.8	160 E	76	33
10 28	1 32.21	+30 47.1	2.349	3.301	5.8	21.8	160 E	76	33
11 2	1 27.39	+30 19.0	2.369	3.314	6.2	21.9	159 E	75	34
11 7	1 22.92	+29 48.1	2.397	3.327	6.9	21.9	156 E	75	34
11 12	1 18.89	+29 15.4	2.432	3.340	7.9	22.0	152 E	74	35
11 17	1 15.36	+28 41.9	2.473	3.352	9.0	22.1	148 E	74	35
		508428 2016 JU_{36}							
9 28	2 5.85	+ 5 10.3	1.514	2.450	10.7	21.7	153 W	50	59
10 3	2 1.53	+ 4 35.1	1.504	2.463	8.4	21.6	159 W	50	59
10 8	1 56.81	+ 3 59.5	1.500	2.477	6.2	21.5	164 W	49	60
10 13	1 51.80	+ 3 24.2	1.502	2.490	4.2	21.4	169 W	48	61

2020	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
		508428 2016 JU_{36} *(continuation)*							
	h m	° ′			°	m	°	°	°
10 18	1 46.65	+ 2 50.2	1.512	2.503	3.1	21.4	172 W	48	61
10 23	1 41.54	+ 2 18.7	1.529	2.516	3.7	21.5	171 E	47	62
10 28	1 36.61	+ 1 50.4	1.553	2.528	5.4	21.6	166 E	47	62
11 2	1 31.99	+ 1 26.0	1.584	2.541	7.5	21.8	161 E	46	63
11 7	1 27.81	+ 1 6.0	1.621	2.553	9.5	21.9	155 E	46	63
11 12	1 24.16	+ 0 50.8	1.665	2.565	11.4	22.1	149 E	46	63
11 17	1 21.10	+ 0 40.6	1.714	2.577	13.2	22.2	144 E	46	63
		509569 2008 CJ_{70}							
9 28	2 10.55	−20 16.8	0.670	1.597	21.3	22.3	145 W	25	84
10 3	2 5.16	−22 18.2	0.670	1.601	20.5	22.3	146 W	23	86
10 8	1 58.88	−24 6.3	0.675	1.604	20.3	22.3	146 W	21	88
10 13	1 51.98	−25 37.7	0.684	1.608	20.7	22.3	145 W	19	90
10 18	1 44.79	−26 49.8	0.697	1.611	21.6	22.4	143 W	18	89
10 23	1 37.67	−27 41.1	0.715	1.613	22.9	22.5	141 E	17	88
10 28	1 30.97	−28 11.5	0.736	1.615	24.5	22.6	138 E	17	88
11 2	1 24.96	−28 22.2	0.760	1.617	26.1	22.7	134 E	17	88
11 7	1 19.85	−28 14.6	0.788	1.618	27.7	22.9	131 E	17	88
		434707 2006 CH_{49}							
9 28	2 17.41	+22 49.1	4.507	5.354	6.2	22.1	144 W	68	41
10 8	2 12.69	+22 32.9	4.425	5.346	4.6	22.0	155 W	68	41
10 18	2 7.28	+22 9.4	4.370	5.338	2.8	21.8	165 W	67	42
10 28	2 1.56	+21 39.7	4.345	5.329	1.6	21.7	171 E	67	42
11 7	1 55.92	+21 5.8	4.352	5.320	2.5	21.8	167 E	66	43
11 17	1 50.74	+20 29.8	4.389	5.311	4.2	21.9	157 E	65	44
		231134 2005 TU_{45}							
9 28	2 18.14	−29 0.1	2.132	2.952	13.2	21.9	138 W	16	87
10 3	2 13.35	−29 53.0	2.123	2.952	12.8	21.8	139 W	15	86
10 8	2 8.08	−30 39.6	2.120	2.952	12.7	21.8	139 W	14	85
10 13	2 2.46	−31 18.8	2.123	2.951	12.8	21.8	139 W	14	85
10 18	1 56.61	−31 49.7	2.132	2.950	13.0	21.9	138 W	13	84
10 23	1 50.67	−32 11.7	2.147	2.949	13.4	21.9	136 E	13	84
10 28	1 44.80	−32 24.4	2.168	2.947	14.0	21.9	134 E	13	84
11 2	1 39.13	−32 27.8	2.194	2.945	14.7	22.0	131 E	13	84
11 7	1 33.79	−32 22.3	2.226	2.943	15.4	22.0	128 E	13	84
11 12	1 28.90	−32 8.2	2.261	2.940	16.1	22.1	125 E	13	84
11 17	1 24.54	−31 46.2	2.301	2.936	16.8	22.1	121 E	13	84
		516398 2001 HW_{15}							
9 28	2 19.77	−20 8.5	0.716	1.631	21.7	21.7	143 W	25	84
10 3	2 9.86	−20 0.7	0.716	1.647	19.4	21.6	147 W	25	84
10 8	1 59.29	−19 40.5	0.720	1.662	17.5	21.6	150 W	25	84
10 13	1 48.44	−19 7.0	0.730	1.677	16.3	21.6	152 W	26	83
10 18	1 37.75	−18 20.2	0.746	1.692	16.0	21.7	152 W	27	82
10 23	1 27.64	−17 21.1	0.767	1.706	16.6	21.8	151 E	28	81
10 28	1 18.43	−16 11.5	0.794	1.720	17.8	21.9	148 E	29	80
11 2	1 10.37	−14 53.4	0.826	1.733	19.4	22.1	145 E	30	79
11 7	1 3.59	−13 29.1	0.864	1.746	21.2	22.2	140 E	32	77
11 12	0 58.15	−12 0.8	0.906	1.758	23.0	22.4	136 E	33	76
		390808 2004 HK_{52}							
9 28	2 20.79	+ 0 37.2	1.426	2.344	12.6	22.3	149 W	46	63
10 3	2 16.06	+ 0 8.8	1.401	2.346	10.4	22.1	155 W	45	64
10 8	2 10.71	− 0 19.3	1.382	2.347	8.3	22.0	160 W	45	64
10 13	2 4.87	− 0 46.3	1.370	2.347	6.5	21.9	165 W	44	65
10 18	1 58.69	− 1 11.1	1.365	2.347	5.3	21.9	167 W	44	65
10 23	1 52.36	− 1 32.6	1.367	2.347	5.4	21.9	167 W	43	66
10 28	1 46.08	− 1 50.0	1.376	2.347	6.7	22.0	164 E	43	66
11 2	1 40.02	− 2 2.6	1.391	2.346	8.6	22.1	159 E	43	66
11 7	1 34.35	− 2 9.9	1.414	2.345	10.7	22.2	154 E	43	66
11 12	1 29.22	− 2 11.8	1.442	2.343	12.8	22.3	148 E	43	66
11 17	1 24.75	− 2 8.0	1.476	2.341	14.8	22.4	143 E	43	66
		448972 2011 YV_{15}							
9 28	2 22.00	+18 6.5	2.374	3.251	10.0	22.3	146 W	63	46
10 8	2 14.58	+17 49.2	2.259	3.204	7.0	22.0	157 W	63	46
10 18	2 5.41	+17 20.3	2.172	3.155	3.5	21.7	169 W	62	47
10 28	1 55.21	+16 41.5	2.115	3.105	1.6	21.5	175 E	62	47
11 7	1 44.88	+15 56.3	2.088	3.055	5.0	21.6	165 E	61	48
11 17	1 35.39	+15 9.6	2.091	3.003	8.8	21.8	152 E	60	49
		464743 2003 PA_{11}							
9 28	2 23.85	+27 0.8	1.494	2.358	15.5	22.0	141 W	72	37
10 3	2 19.56	+26 54.9	1.473	2.372	13.5	21.9	146 W	72	37
10 8	2 14.65	+26 42.8	1.458	2.386	11.4	21.8	152 W	72	37
10 13	2 9.26	+26 24.3	1.449	2.400	9.3	21.7	157 W	71	38
10 18	2 3.57	+25 59.9	1.446	2.413	7.3	21.6	162 W	71	38
10 23	1 57.75	+25 30.1	1.450	2.427	5.8	21.6	166 W	71	38
10 28	1 52.02	+24 55.7	1.460	2.440	5.1	21.6	167 E	70	39

20/21	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
		464743 2003 PA_{11}				*(continuation)*			
	h m	° ′			°	m	°	°	°
11 2	1 46.54	+24 17.9	1.478	2.453	5.6	21.6	166 E	69	40
11 7	1 41.48	+23 38.0	1.502	2.466	6.9	21.8	162 E	69	40
11 12	1 36.97	+22 57.2	1.534	2.478	8.7	21.9	158 E	68	41
11 17	1 33.11	+22 16.7	1.571	2.491	10.5	22.0	153 E	67	42
11 22	1 29.98	+21 37.9	1.615	2.503	12.4	22.2	147 E	67	42
		218116 2002 PG_{68}							
9 28	2 33.24	+ 9 5.2	1.702	2.592	12.6	21.9	146 W	54	55
10 8	2 25.35	+ 8 6.3	1.668	2.619	8.4	21.7	157 W	53	56
10 18	2 15.80	+ 7 3.6	1.660	2.644	4.2	21.5	169 W	52	57
10 28	2 5.63	+ 6 3.2	1.680	2.669	2.6	21.4	173 E	51	58
11 7	1 55.99	+ 5 11.6	1.730	2.693	6.2	21.7	163 E	50	59
11 17	1 47.84	+ 4 33.7	1.807	2.716	10.1	22.0	151 E	50	59
		496001 2007 VR_{183}							
9 28	2 33.73	+22 1.2	1.883	2.740	13.2	21.8	142 W	67	42
10 8	2 26.83	+20 45.2	1.745	2.675	9.7	21.5	153 W	66	43
10 18	2 17.40	+19 2.5	1.633	2.609	5.5	21.1	165 W	64	45
10 28	2 6.17	+16 54.5	1.549	2.542	1.5	20.7	176 E	62	47
11 7	1 54.29	+14 28.4	1.498	2.472	5.3	20.8	167 E	59	50
11 17	1 43.11	+11 55.2	1.477	2.402	10.6	20.9	153 E	57	52
11 27	1 33.91	+ 9 28.6	1.483	2.329	15.7	21.0	140 E	54	55
12 7	1 27.59	+ 7 19.9	1.512	2.256	20.2	21.2	128 E	52	57
12 17	1 24.60	+ 5 35.9	1.557	2.180	23.9	21.3	116 E	51	58
12 27	1 25.07	+ 4 19.3	1.610	2.103	26.7	21.4	106 E	49	59*
1 6	1 28.84	+ 3 29.0	1.667	2.025	28.9	21.4	96 E	48	58*
1 16	1 35.67	+ 3 2.1	1.722	1.945	30.3	21.4	88 E	48	54*
		482798 2013 QK_{48}							
9 28	2 38.80	−11 57.7	1.638	2.508	14.1	22.3	142 W	33	76
10 3	2 32.98	−13 17.9	1.586	2.482	12.9	22.1	146 W	32	77
10 8	2 26.20	−14 38.5	1.542	2.455	11.9	22.0	149 W	30	79
10 13	2 18.55	−15 57.4	1.504	2.427	11.4	21.9	151 W	29	80
10 18	2 10.12	−17 12.4	1.475	2.398	11.4	21.8	152 W	28	81
10 23	2 1.10	−18 21.4	1.453	2.368	12.1	21.8	150 W	27	82
10 28	1 51.69	−19 22.1	1.439	2.337	13.3	21.8	147 E	26	83
11 2	1 42.14	−20 12.9	1.433	2.305	15.0	21.8	143 E	25	84
11 7	1 32.68	−20 52.7	1.434	2.272	16.8	21.9	138 E	24	85
11 12	1 23.57	−21 20.8	1.441	2.238	18.8	21.9	133 E	24	85
11 17	1 15.04	−21 37.1	1.454	2.202	20.8	22.0	128 E	23	86
11 22	1 7.28	−21 42.0	1.472	2.166	22.7	22.0	122 E	23	86
		41440 2000 HZ_{23}							
9 28	2 43.20	−11 44.4	0.722	1.631	22.5	21.3	142 W	33	76
10 3	2 36.05	−11 50.9	0.715	1.644	19.7	21.2	146 W	33	76
10 8	2 27.87	−11 50.1	0.712	1.658	17.1	21.2	151 W	33	76
10 13	2 18.92	−11 40.3	0.714	1.671	14.8	21.1	155 W	33	76
10 18	2 9.56	−11 20.6	0.721	1.684	13.3	21.1	157 W	34	75
10 23	2 0.18	−10 50.5	0.734	1.697	12.9	21.1	158 W	34	75
10 28	1 51.16	−10 10.2	0.752	1.709	13.5	21.2	156 E	35	74
11 2	1 42.81	− 9 20.7	0.776	1.721	15.0	21.4	153 E	36	73
11 7	1 35.39	− 8 23.5	0.805	1.733	17.0	21.5	149 E	37	72
11 12	1 29.07	− 7 19.9	0.839	1.744	19.1	21.7	145 E	38	71
11 17	1 23.96	− 6 11.4	0.879	1.755	21.2	21.9	140 E	39	70
11 22	1 20.10	− 4 59.4	0.922	1.766	23.2	22.1	135 E	40	69
		381181 2007 LV_{19}							
9 28	2 48.24	+38 31.7	1.140	1.942	23.3	22.4	130 W	84	25
10 3	2 43.56	+38 36.6	1.100	1.941	21.4	22.3	135 W	84	25
10 8	2 37.62	+38 31.3	1.064	1.939	19.4	22.2	140 W	84	25
10 13	2 30.55	+38 14.1	1.033	1.936	17.2	22.0	145 W	83	26
10 18	2 22.53	+37 43.5	1.006	1.933	15.1	21.9	150 W	83	26
10 23	2 13.86	+36 58.9	0.985	1.929	13.1	21.8	154 W	82	27
10 28	2 4.89	+36 0.4	0.970	1.924	11.6	21.7	157 E	81	28
11 2	1 55.98	+34 49.0	0.961	1.919	10.9	21.6	159 E	80	29
11 7	1 47.50	+33 26.6	0.958	1.913	11.2	21.6	158 E	78	31
11 12	1 39.77	+31 55.8	0.962	1.907	12.5	21.7	155 E	77	32
11 17	1 33.03	+30 20.0	0.972	1.900	14.5	21.7	151 E	75	34
11 22	1 27.49	+28 42.6	0.988	1.892	16.8	21.9	146 E	74	35
		501575 2014 OB_{232}							
9 28	3 16.58	+21 17.3	0.766	1.622	27.1	21.4	133 W	66	43
10 8	3 17.00	+21 28.1	0.723	1.632	22.0	21.1	142 W	66	43
10 18	3 12.77	+21 17.2	0.693	1.644	15.9	20.8	153 W	66	43
10 28	3 4.78	+20 44.8	0.679	1.659	9.0	20.6	165 W	66	43
11 7	2 54.88	+19 56.0	0.685	1.675	2.3	20.3	176 W	65	44
11 12	2 49.90	+19 28.1	0.695	1.684	2.9	20.3	175 E	64	45
11 17	2 45.29	+18 59.9	0.711	1.693	6.1	20.6	169 E	64	45
11 22	2 41.31	+18 32.9	0.732	1.703	9.4	20.8	164 E	64	45
11 27	2 38.15	+18 8.5	0.758	1.713	12.6	21.0	158 E	63	46

20/21	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
		501575 2014 OB_{232}				*(continuation)*			
	h m	° ′			°	m	°	°	°
12 2	2 35.93	+17 47.8	0.789	1.723	15.5	21.2	152 E	63	46
12 7	2 34.70	+17 31.5	0.824	1.734	18.2	21.4	147 E	63	46
		516869 2011 HD_8							
9 28	3 55.05	+12 3.7	1.296	2.047	23.5	21.2	125 W	57	52
10 8	3 58.85	+ 9 29.6	1.175	2.005	20.9	20.9	134 W	54	55
10 18	3 59.39	+ 6 21.6	1.071	1.962	17.6	20.5	143 W	51	58
10 28	3 56.45	+ 2 44.8	0.987	1.920	14.2	20.2	152 W	48	61
11 2	3 53.74	+ 0 49.2	0.953	1.899	12.8	20.0	155 W	46	63
11 7	3 50.31	− 1 8.3	0.926	1.878	11.9	19.9	157 W	44	65
11 12	3 46.26	− 3 4.9	0.905	1.858	11.9	19.8	157 W	42	67
11 17	3 41.78	− 4 57.3	0.890	1.837	12.7	19.8	156 W	40	69
11 22	3 37.07	− 6 42.6	0.881	1.817	14.3	19.8	153 E	38	71
11 27	3 32.36	− 8 17.8	0.877	1.797	16.4	19.9	149 E	37	72
12 2	3 27.89	− 9 40.9	0.879	1.777	18.8	19.9	145 E	35	74
12 7	3 23.85	−10 50.4	0.886	1.757	21.2	20.0	140 E	34	75
12 12	3 20.44	−11 45.4	0.897	1.738	23.6	20.1	135 E	33	76
12 17	3 17.82	−12 25.9	0.911	1.720	25.9	20.2	130 E	33	76
12 22	3 16.13	−12 52.2	0.928	1.701	28.0	20.2	126 E	32	77
12 27	3 15.43	−13 5.5	0.948	1.684	29.9	20.3	121 E	32	77
1 1	3 15.75	−13 6.8	0.969	1.666	31.7	20.4	117 E	32	77
1 6	3 17.11	−12 57.3	0.991	1.649	33.2	20.5	113 E	32	77
1 11	3 19.48	−12 38.3	1.014	1.633	34.5	20.5	110 E	32	77
1 16	3 22.86	−12 11.0	1.038	1.618	35.7	20.6	106 E	33	76
		417612 2006 WQ_{29}							
9 28	4 1.22	+ 7 55.2	1.277	2.019	24.2	21.5	124 W	53	56
10 8	3 55.42	+ 6 56.4	1.216	2.050	20.1	21.3	135 W	52	57
10 18	3 45.50	+ 5 53.0	1.172	2.078	15.3	21.1	147 W	51	58
10 28	3 32.15	+ 4 51.4	1.149	2.103	10.1	20.9	158 W	50	59
11 7	3 16.80	+ 3 59.5	1.152	2.127	6.5	20.7	166 W	49	60
11 17	3 1.29	+ 3 24.6	1.183	2.148	7.8	20.9	163 E	48	61
11 27	2 47.52	+ 3 11.8	1.242	2.166	12.0	21.2	153 E	48	61
12 7	2 36.83	+ 3 22.1	1.324	2.183	16.4	21.5	141 E	48	61
		333755 2010 VC_1							
9 28	4 44.61	+ 1 25.0	0.833	1.538	36.7	21.3	114 W	46	63
10 3	4 50.56	− 0 57.1	0.771	1.510	36.4	21.1	116 W	44	65
10 8	4 56.05	− 3 41.9	0.711	1.481	36.2	20.9	119 W	41	68
10 13	5 1.00	− 6 52.6	0.654	1.450	36.0	20.7	121 W	38	71
10 18	5 5.32	−10 32.5	0.600	1.417	36.0	20.4	123 W	34	75
10 23	5 8.92	−14 45.0	0.551	1.383	36.4	20.2	124 W	30	79
10 28	5 11.70	−19 32.8	0.506	1.347	37.4	20.0	125 W	25	84
11 2	5 13.53	−24 57.9	0.467	1.310	39.1	19.8	124 W	20	89
11 7	5 14.23	−31 0.5	0.433	1.271	41.8	19.6	121 W	14	85
11 12	5 13.53	−37 38.0	0.404	1.230	45.6	19.5	117 W	7	78
11 17	5 11.04	−44 44.3	0.382	1.187	50.4	19.5	112 W	—	71
11 19	5 9.42	−47 40.9	0.374	1.170	52.7	19.4	110 W	—	68
11 21	5 7.37	−50 40.2	0.368	1.152	55.0	19.4	107 W	—	65
11 23	5 4.81	−53 41.3	0.362	1.134	57.5	19.4	104 W	—	62
11 25	5 1.63	−56 43.8	0.358	1.115	60.1	19.5	102 W	—	59
11 27	4 57.70	−59 46.9	0.354	1.097	62.8	19.5	99 W	—	56
11 28	4 55.39	−61 18.5	0.352	1.087	64.2	19.5	97 W	—	55
11 29	4 52.80	−62 50.0	0.351	1.078	65.7	19.5	95 W	—	53
11 30	4 49.90	−64 21.4	0.349	1.068	67.1	19.5	94 W	—	52
12 1	4 46.61	−65 52.6	0.348	1.059	68.6	19.5	92 W	—	50
12 2	4 42.89	−67 23.5	0.347	1.049	70.0	19.6	91 W	—	49
12 3	4 38.64	−68 53.9	0.346	1.039	71.5	19.6	89 W	—	47
12 4	4 33.75	−70 23.8	0.346	1.029	73.0	19.6	87 E	—	46
12 5	4 28.06	−71 53.1	0.345	1.019	74.6	19.6	86 E	—	44
12 6	4 21.39	−73 21.5	0.345	1.010	76.1	19.7	84 E	—	43
12 7	4 13.46	−74 48.9	0.345	1.000	77.7	19.7	82 E	—	41
12 8	4 3.90	−76 15.0	0.345	0.989	79.2	19.7	81 E	—	40
12 9	3 52.20	−77 39.3	0.345	0.979	80.8	19.8	79 E	—	38
12 10	3 37.59	−79 1.2	0.345	0.969	82.4	19.8	77 E	—	37
12 11	3 19.01	−80 19.7	0.346	0.959	84.0	19.8	76 E	—	36
12 12	2 54.91	−81 33.3	0.346	0.949	85.6	19.9	74 E	—	34
12 13	2 23.20	−82 39.6	0.347	0.938	87.2	19.9	72 E	—	33
12 14	1 41.46	−83 34.8	0.348	0.928	88.8	20.0	70 E	—	32
12 15	0 48.25	−84 13.7	0.349	0.918	90.5	20.0	69 E	—	32*
12 16	23 45.88	−84 30.3	0.350	0.907	92.1	20.1	67 E	—	31*
12 17	22 42.01	−84 21.3	0.351	0.896	93.8	20.1	65 E	—	31*
12 18	21 45.39	−83 48.4	0.353	0.886	95.4	20.2	64 E	—	30*
12 19	21 0.08	−82 57.1	0.354	0.875	97.1	20.2	62 E	—	29*
12 20	20 25.48	−81 53.1	0.356	0.865	98.7	20.3	60 E	—	28*
12 21	19 59.27	−80 40.5	0.358	0.854	100.4	20.4	59 E	—	27*
12 22	19 39.19	−79 22.1	0.360	0.843	102.0	20.4	57 E	—	26*
12 23	19 23.54	−77 59.8	0.363	0.833	103.7	20.5	55 E	—	25*
12 24	19 11.10	−76 34.5	0.365	0.822	105.3	20.6	54 E	—	24*
12 25	19 1.05	−75 7.0	0.368	0.811	107.0	20.7	52 E	—	23*

333755 2010 VC_1 *(continuation)*

20/21	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
	h m	° ′			°	m	°	°	°
12 26	18 52.79	−73 37.9	0.371	0.800	108.6	20.7	50 E	—	22*
12 27	18 45.93	−72 7.3	0.374	0.789	110.2	20.8	49 E	—	20*
12 28	18 40.16	−70 35.7	0.378	0.779	111.8	20.9	47 E	—	19*
12 29	18 35.27	−69 3.2	0.381	0.768	113.3	21.0	46 E	—	18*
12 30	18 31.11	−67 29.9	0.385	0.757	114.8	21.1	44 W	—	17*
12 31	18 27.55	−65 56.0	0.390	0.747	116.3	21.2	43 W	—	17*
1 1	18 24.51	−64 21.7	0.394	0.736	117.7	21.3	41 W	—	17*
1 2	18 21.90	−62 47.0	0.399	0.725	119.1	21.4	40 W	—	18*
1 3	18 19.68	−61 12.1	0.405	0.715	120.4	21.5	39 W	—	18*

482505 2012 TQ_{78}

20/21	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
9 28	4 46.76	+14 30.6	0.720	1.442	39.9	21.2	113 W	60	49
10 3	4 54.26	+15 10.2	0.663	1.420	39.4	20.9	116 W	60	49
10 8	5 1.52	+15 55.0	0.608	1.397	38.8	20.7	119 W	61	48
10 13	5 8.51	+16 46.8	0.553	1.373	38.0	20.4	122 W	62	47
10 18	5 15.21	+17 48.2	0.500	1.348	37.1	20.1	125 W	63	46
10 23	5 21.61	+19 2.5	0.448	1.323	35.9	19.8	129 W	64	45
10 28	5 27.72	+20 34.7	0.399	1.296	34.6	19.5	132 W	66	43
11 2	5 33.58	+22 31.0	0.351	1.268	33.0	19.1	136 W	68	41
11 7	5 39.23	+25 1.0	0.306	1.239	31.3	18.7	139 W	70	39
11 9	5 41.46	+26 13.2	0.288	1.228	30.6	18.6	141 W	71	38
11 11	5 43.67	+27 34.1	0.271	1.216	29.9	18.4	142 W	73	36
11 13	5 45.89	+29 5.0	0.255	1.204	29.3	18.2	143 W	74	35
11 15	5 48.13	+30 47.4	0.238	1.192	28.7	18.0	145 W	76	33
11 17	5 50.42	+32 43.4	0.223	1.180	28.2	17.8	146 W	78	31
11 19	5 52.82	+34 55.0	0.208	1.167	27.9	17.7	147 W	80	29
11 21	5 55.37	+37 25.1	0.193	1.155	27.8	17.5	147 W	82	27
11 23	5 58.17	+40 16.6	0.180	1.142	28.1	17.3	147 W	85	24
11 25	6 1.36	+43 33.2	0.167	1.130	28.8	17.1	146 W	89	20
11 27	6 5.13	+47 18.7	0.154	1.117	30.2	17.0	145 W	88	17
11 28	6 7.34	+49 23.6	0.149	1.111	31.2	16.9	144 W	86	15
11 29	6 9.84	+51 37.3	0.143	1.104	32.4	16.9	143 W	83	12
11 30	6 12.72	+54 0.1	0.138	1.098	33.8	16.8	142 W	81	10
12 1	6 16.10	+56 32.6	0.133	1.091	35.4	16.8	140 W	78	7
12 2	6 20.16	+59 14.8	0.129	1.085	37.3	16.7	138 W	76	5
12 3	6 25.15	+62 6.9	0.124	1.079	39.4	16.7	136 W	73	2
12 4	6 31.51	+65 8.6	0.120	1.072	41.8	16.7	134 W	70	—
12 5	6 39.90	+68 19.2	0.117	1.066	44.4	16.7	131 W	67	—
12 6	6 51.55	+71 37.4	0.114	1.059	47.2	16.7	128 W	63	—
12 7	7 8.82	+75 0.5	0.111	1.053	50.2	16.7	125 W	60	—
12 8	7 36.81	+78 23.4	0.109	1.046	53.5	16.7	121 W	57	—
12 9	8 27.77	+81 33.8	0.107	1.040	56.8	16.8	118 W	53	—
12 10	10 9.35	+83 56.5	0.106	1.033	60.3	16.9	114 W	51	—
12 11	12 46.89	+84 14.3	0.105	1.027	63.9	16.9	111 W	51*	—
12 12	14 45.00	+82 9.4	0.105	1.020	67.5	17.0	107 W	51*	—
12 13	15 44.77	+78 59.0	0.106	1.013	71.2	17.1	103 W	51*	—
12 14	16 16.60	+75 27.6	0.106	1.007	74.7	17.3	99 W	51*	—
12 15	16 35.69	+71 51.2	0.108	1.000	78.3	17.4	96 W	51*	—
12 16	16 48.27	+68 16.5	0.109	0.994	81.7	17.5	92 W	51*	—
12 17	16 57.14	+64 46.8	0.111	0.987	85.0	17.7	89 W	51*	—
12 18	17 3.71	+61 24.3	0.114	0.981	88.2	17.8	85 W	50*	—
12 19	17 8.78	+58 10.0	0.117	0.975	91.2	18.0	82 W	50*	—
12 20	17 12.81	+55 4.7	0.120	0.968	94.1	18.2	79 W	49*	—
12 21	17 16.08	+52 8.6	0.123	0.962	96.8	18.3	76 W	48*	—
12 22	17 18.80	+49 21.6	0.127	0.955	99.3	18.5	73 W	48*	—
12 23	17 21.10	+46 43.7	0.131	0.949	101.6	18.7	71 W	47*	—
12 24	17 23.08	+44 14.4	0.135	0.942	103.8	18.8	69 W	47*	—
12 25	17 24.80	+41 53.3	0.140	0.936	105.9	19.0	66 W	46*	—
12 26	17 26.32	+39 40.0	0.144	0.930	107.7	19.2	64 W	46*	—
12 27	17 27.67	+37 33.9	0.149	0.924	109.5	19.3	62 W	45*	—
12 29	17 30.02	+33 41.6	0.159	0.911	112.6	19.6	59 W	44*	—
12 31	17 32.03	+30 12.3	0.170	0.899	115.2	19.9	56 W	43*	—
1 2	17 33.84	+27 2.6	0.181	0.887	117.3	20.2	53 W	43*	—
1 4	17 35.52	+24 9.5	0.193	0.875	119.0	20.4	51 W	42*	—
1 6	17 37.16	+21 30.4	0.205	0.863	120.4	20.6	49 W	41*	—
1 8	17 38.80	+19 3.2	0.218	0.852	121.4	20.8	48 W	41*	—
1 10	17 40.48	+16 46.0	0.231	0.841	122.1	20.9	46 W	40*	—
1 12	17 42.24	+14 37.5	0.244	0.831	122.4	21.1	45 W	39*	2*
1 14	17 44.10	+12 36.5	0.258	0.821	122.5	21.2	45 W	39*	4*

207408 2006 BY_{172}

20/21	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
9 28	4 55.27	+26 41.0	1.762	2.299	24.3	21.5	109 W	72	37
10 8	4 57.40	+26 51.0	1.671	2.323	22.1	21.3	119 W	72	37
10 18	4 55.95	+26 54.5	1.589	2.347	19.3	21.1	129 W	72	37
10 28	4 50.79	+26 49.6	1.520	2.369	15.6	20.9	140 W	72	37
11 7	4 42.22	+26 34.4	1.471	2.391	11.3	20.7	152 W	72	37
11 17	4 31.00	+26 7.3	1.446	2.412	6.4	20.5	164 W	71	38
11 27	4 18.48	+25 28.7	1.447	2.432	1.9	20.3	175 W	70	39

207408 2006 BY_{172} *(continuation)*

20/21	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
	h m	° ′			°	m	°	°	°
12 2	4 12.24	+25 6.1	1.459	2.442	2.3	20.3	174 E	70	39
12 7	4 6.26	+24 42.2	1.478	2.452	4.5	20.5	169 E	70	39
12 12	4 0.73	+24 17.7	1.504	2.461	6.9	20.7	162 E	69	40
12 17	3 55.79	+23 53.4	1.537	2.470	9.2	20.8	156 E	69	40
12 22	3 51.56	+23 30.2	1.576	2.479	11.3	21.0	150 E	69	40
12 27	3 48.12	+23 8.7	1.621	2.488	13.3	21.1	144 E	68	41
1 1	3 45.51	+22 49.5	1.672	2.496	15.1	21.2	139 E	68	41
1 6	3 43.74	+22 32.9	1.727	2.504	16.6	21.4	133 E	68	41
1 11	3 42.80	+22 19.1	1.786	2.512	18.0	21.5	128 E	67	42

331991 2005 FD_3

20/21	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
9 28	4 56.87	−23 14.8	2.454	2.921	19.1	21.4	108 W	22	87
10 3	4 56.57	−23 59.8	2.413	2.924	18.6	21.4	111 W	21	88
10 8	4 55.59	−24 43.9	2.375	2.927	18.2	21.4	114 W	20	89
10 13	4 53.90	−25 26.2	2.339	2.929	17.7	21.3	117 W	20	89
10 18	4 51.49	−26 5.8	2.306	2.932	17.2	21.3	120 W	19	90
10 23	4 48.37	−26 41.7	2.277	2.934	16.6	21.2	122 W	18	89
10 28	4 44.59	−27 12.6	2.251	2.935	16.1	21.2	125 W	18	89
11 2	4 40.19	−27 37.7	2.230	2.937	15.6	21.1	127 W	17	88
11 7	4 35.25	−27 55.9	2.213	2.938	15.2	21.1	129 W	17	88
11 12	4 29.85	−28 6.3	2.201	2.939	14.9	21.1	130 W	17	88
11 17	4 24.10	−28 8.1	2.194	2.940	14.7	21.1	131 W	17	88
11 22	4 18.15	−28 0.7	2.193	2.941	14.6	21.1	131 W	17	88
11 27	4 12.14	−27 43.8	2.196	2.941	14.6	21.1	131 W	17	88
12 2	4 6.20	−27 17.6	2.206	2.941	14.8	21.1	130 E	18	89
12 7	4 0.47	−26 42.2	2.220	2.941	15.1	21.1	129 E	18	89
12 12	3 55.07	−25 58.1	2.240	2.941	15.5	21.1	127 E	19	90
12 17	3 50.11	−25 6.1	2.265	2.940	15.9	21.2	125 E	20	89
12 22	3 45.68	−24 7.0	2.295	2.939	16.5	21.2	122 E	21	88
12 27	3 41.86	−23 1.8	2.330	2.938	17.0	21.3	119 E	22	87
1 1	3 38.66	−21 51.5	2.369	2.937	17.5	21.3	116 E	23	86
1 6	3 36.13	−20 37.2	2.411	2.935	18.0	21.4	113 E	24	85
1 11	3 34.26	−19 19.8	2.458	2.933	18.4	21.4	109 E	26	83
1 16	3 33.05	−18 0.1	2.507	2.931	18.8	21.5	106 E	27	82

380321 2002 HF_8

20/21	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
9 28	5 2.12	+22 23.2	1.260	1.840	31.1	21.5	108 W	67	42
10 8	5 2.85	+22 51.8	1.217	1.904	27.6	21.4	118 W	68	41
10 18	4 58.95	+23 15.7	1.182	1.966	23.3	21.2	129 W	68	41
10 28	4 50.50	+23 33.1	1.159	2.028	18.1	21.1	141 W	69	40
11 7	4 38.25	+23 41.1	1.155	2.089	12.3	20.9	153 W	69	40
11 17	4 23.62	+23 37.9	1.174	2.148	6.1	20.8	167 W	69	40
11 27	4 8.58	+23 24.3	1.221	2.207	1.1	20.6	178 E	68	41
12 7	3 55.10	+23 4.5	1.295	2.264	6.0	21.1	166 E	68	41
12 17	3 44.54	+22 44.2	1.397	2.320	10.8	21.5	154 E	68	41

347861 2002 RT_{190}

20/21	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
9 28	5 4.19	+28 27.7	1.573	2.101	27.1	21.4	107 W	73	36
10 8	5 7.77	+29 22.0	1.500	2.137	24.8	21.3	116 W	74	35
10 18	5 7.40	+30 13.2	1.434	2.173	21.8	21.1	126 W	75	34
10 28	5 2.84	+30 58.4	1.380	2.209	18.0	21.0	136 W	76	33
11 7	4 54.30	+31 33.6	1.344	2.245	13.6	20.8	148 W	77	32
11 17	4 42.54	+31 53.4	1.329	2.280	8.9	20.6	159 W	77	32
11 27	4 29.05	+31 54.3	1.340	2.315	4.9	20.5	169 W	77	32
12 2	4 22.25	+31 47.8	1.356	2.332	4.3	20.5	170 E	77	32
12 7	4 15.72	+31 37.2	1.378	2.350	5.2	20.6	167 E	77	32
12 12	4 9.66	+31 23.2	1.408	2.367	7.0	20.7	163 E	76	33
12 17	4 4.26	+31 6.8	1.444	2.383	9.1	20.9	158 E	76	33
12 22	3 59.65	+30 49.1	1.486	2.400	11.1	21.1	152 E	76	33
12 27	3 55.91	+30 30.9	1.535	2.416	13.0	21.2	146 E	76	33
1 1	3 53.10	+30 13.1	1.589	2.433	14.7	21.4	141 E	75	34

252073 2000 SR_{236}

20/21	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
9 28	5 14.34	+27 19.2	1.858	2.330	24.5	21.4	105 W	72	37
10 8	5 17.68	+27 51.1	1.765	2.358	22.7	21.3	114 W	73	36
10 18	5 17.57	+28 20.6	1.680	2.385	20.3	21.1	124 W	73	36
10 28	5 13.75	+28 46.1	1.607	2.411	17.1	20.9	135 W	74	35
11 7	5 6.32	+29 4.9	1.551	2.437	13.1	20.8	146 W	74	35
11 17	4 55.76	+29 13.6	1.517	2.461	8.7	20.6	158 W	74	35
11 27	4 43.20	+29 9.3	1.509	2.485	4.2	20.3	169 W	74	35
12 2	4 36.65	+29 2.1	1.516	2.497	2.8	20.3	173 W	74	35
12 7	4 30.19	+28 51.9	1.529	2.508	3.3	20.3	172 E	74	35
12 12	4 24.01	+28 39.1	1.551	2.519	5.1	20.5	167 E	74	35
12 17	4 18.29	+28 24.3	1.579	2.530	7.2	20.6	161 E	73	36
12 22	4 13.21	+28 8.5	1.614	2.541	9.3	20.8	155 E	73	36
12 27	4 8.85	+27 52.3	1.656	2.552	11.3	20.9	149 E	73	36
1 1	4 5.30	+27 36.4	1.703	2.562	13.2	21.1	144 E	73	36
1 6	4 2.59	+27 21.5	1.756	2.572	14.8	21.2	138 E	72	37
1 11	4 0.74	+27 7.9	1.813	2.582	16.3	21.3	133 E	72	37
1 16	3 59.74	+26 56.1	1.875	2.592	17.6	21.5	127 E	72	37

20/21	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
		355046 2006 SO_{19}							
	h m	° ′			°	m	°	°	°
9 28	5 40.59	+ 1 45.1	0.812	1.390	45.3	21.5	100 W	47	62
10 8	5 47.17	+ 1 9.6	0.762	1.423	42.2	21.3	107 W	46	63
10 18	5 48.76	+ 0 37.8	0.711	1.452	38.3	21.1	115 W	46	63
10 28	5 44.39	+ 0 18.2	0.662	1.479	33.2	20.8	125 W	45	64
11 7	5 33.37	+ 0 21.7	0.620	1.503	27.0	20.6	137 W	45	64
11 17	5 15.73	+ 0 59.6	0.590	1.523	19.9	20.3	148 W	46	63
11 27	4 53.16	+ 2 20.4	0.579	1.541	13.5	20.0	159 W	47	62
12 2	4 41.07	+ 3 16.6	0.582	1.548	11.8	20.0	161 W	48	61
12 7	4 29.12	+ 4 21.5	0.591	1.555	12.1	20.0	161 E	49	60
12 12	4 17.81	+ 5 33.3	0.605	1.561	14.0	20.2	157 E	51	58
12 17	4 7.58	+ 6 50.0	0.626	1.566	16.9	20.4	152 E	52	57
12 22	3 58.77	+ 8 9.5	0.652	1.570	20.0	20.5	147 E	53	56
12 27	3 51.55	+ 9 30.0	0.682	1.574	23.1	20.7	141 E	55	54
1 1	3 46.01	+10 50.3	0.717	1.577	25.9	20.9	136 E	56	53
1 6	3 42.11	+12 9.5	0.755	1.579	28.4	21.1	130 E	57	52
1 11	3 39.80	+13 27.1	0.795	1.580	30.7	21.3	125 E	58	51
1 16	3 38.98	+14 42.6	0.839	1.580	32.6	21.5	120 E	60	49
		273290 2006 SN_{12}							
9 28	6 45.13	+17 14.0	1.744	1.922	31.2	21.5	84 W	60*	45*
10 8	6 58.90	+16 55.1	1.665	1.953	30.8	21.4	91 W	62*	46*
10 18	7 10.17	+16 36.9	1.585	1.984	29.8	21.3	98 W	62	47*
10 28	7 18.53	+16 22.8	1.505	2.016	28.3	21.2	106 W	61	48*
11 7	7 23.64	+16 16.2	1.428	2.048	26.1	21.0	114 W	61	48
11 17	7 25.10	+16 20.0	1.357	2.080	23.2	20.9	124 W	61	48
11 27	7 22.69	+16 36.6	1.297	2.112	19.4	20.7	135 W	62	47
12 7	7 16.49	+17 6.6	1.253	2.144	14.7	20.5	146 W	62	47
12 17	7 7.02	+17 48.2	1.230	2.176	9.4	20.3	159 W	63	46
12 22	7 1.40	+18 12.2	1.227	2.192	6.7	20.2	165 W	63	46
12 27	6 55.44	+18 37.4	1.231	2.208	3.9	20.0	171 W	64	45
1 1	6 49.35	+19 3.3	1.242	2.224	1.8	19.9	176 W	64	45
1 6	6 43.35	+19 29.2	1.260	2.240	2.8	20.0	174 E	64	45
1 11	6 37.64	+19 54.5	1.285	2.255	5.3	20.2	168 E	65	44
1 16	6 32.41	+20 18.9	1.316	2.271	7.9	20.4	162 E	65	44
		137304 1999 SK_{12}							
9 28	7 10.36	+26 56.0	2.416	2.440	23.8	21.5	79 W	66*	33*
10 8	7 21.09	+26 47.9	2.313	2.468	23.8	21.4	87 W	70*	35*
10 18	7 29.66	+26 42.5	2.206	2.495	23.4	21.3	95 W	72	36*
10 28	7 35.73	+26 41.7	2.100	2.522	22.5	21.2	103 W	72	37*
11 7	7 38.97	+26 46.7	1.996	2.547	21.0	21.1	113 W	72	37
11 17	7 39.05	+26 58.2	1.901	2.572	18.9	20.9	123 W	72	37
11 27	7 35.75	+27 15.6	1.817	2.596	16.0	20.7	133 W	72	37
12 7	7 29.10	+27 36.5	1.751	2.619	12.5	20.6	145 W	73	36
12 17	7 19.45	+27 57.3	1.708	2.642	8.4	20.4	157 W	73	36
12 22	7 13.75	+28 6.2	1.696	2.652	6.2	20.2	163 W	73	36
12 27	7 7.67	+28 13.3	1.691	2.663	4.1	20.1	169 W	73	36
1 1	7 1.38	+28 18.2	1.694	2.673	2.3	20.0	174 W	73	36
1 6	6 55.05	+28 20.7	1.704	2.683	2.4	20.1	174 E	73	36
1 11	6 48.88	+28 20.7	1.722	2.693	4.1	20.2	169 E	73	36
1 16	6 43.03	+28 18.1	1.747	2.703	6.1	20.3	163 E	73	36
		383572 2007 ES_{184}							
9 28	8 6.37	+15 32.5	2.409	2.179	24.6	21.4	65 W	49*	37*
10 8	8 24.42	+15 24.9	2.264	2.143	26.0	21.3	70 W	54*	38*
10 18	8 42.21	+15 19.1	2.116	2.108	27.3	21.2	76 W	57*	40*
10 28	8 59.65	+15 18.0	1.966	2.072	28.3	21.0	82 W	60*	42*
11 7	9 16.67	+15 25.1	1.816	2.037	29.1	20.8	88 W	60	43*
11 17	9 33.16	+15 44.8	1.668	2.002	29.5	20.6	94 W	61	45*
11 27	9 48.94	+16 22.4	1.524	1.967	29.5	20.4	101 W	61	46*
12 7	10 3.87	+17 24.1	1.385	1.933	29.0	20.1	108 W	62	46*
12 17	10 17.66	+18 56.7	1.255	1.899	27.9	19.8	116 W	64	45
12 27	10 29.96	+21 7.4	1.135	1.867	26.1	19.5	123 W	66	43
1 6	10 40.39	+24 1.8	1.030	1.835	23.7	19.2	131 W	69	40
1 16	10 48.36	+27 41.7	0.941	1.805	20.8	18.9	139 W	73	36
		29075 1950 DA							
9 28	8 15.26	+31 16.8	2.069	1.906	28.8	21.3	67 W	59*	23*
10 8	8 39.09	+30 31.2	1.911	1.847	30.8	21.2	71 W	63*	24*
10 18	9 3.41	+29 34.4	1.752	1.785	32.7	21.0	75 W	67*	25*
10 28	9 28.31	+28 25.4	1.594	1.720	34.6	20.7	80 W	70*	27*
11 7	9 53.99	+27 2.3	1.437	1.653	36.6	20.5	84 W	71*	29*
11 12	10 7.20	+26 14.7	1.361	1.618	37.6	20.3	85 W	71*	30*
11 17	10 20.70	+25 22.4	1.285	1.583	38.6	20.2	87 W	70*	31*
11 22	10 34.55	+24 24.9	1.211	1.547	39.7	20.0	89 W	69	33*
11 27	10 48.80	+23 21.3	1.138	1.510	40.8	19.9	90 W	68	34*
12 2	11 3.54	+22 10.6	1.067	1.473	42.0	19.7	92 W	67	35*
12 7	11 18.85	+20 51.7	0.998	1.436	43.3	19.6	93 W	66	37*
12 12	11 34.83	+19 23.2	0.932	1.398	44.7	19.4	94 W	64	39*

20/21	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
		29075 1950 DA *(continuation)*							
	h m	° ′			°	m	°	°	°
12 17	11 51.58	+17 43.3	0.868	1.359	46.2	19.2	94 W	63	41*
12 22	12 9.24	+15 50.0	0.808	1.321	48.0	19.0	94 W	61	43*
12 27	12 27.98	+13 40.8	0.750	1.282	49.9	18.9	94 W	59	45*
1 1	12 48.00	+11 13.0	0.697	1.243	52.1	18.7	94 W	56	48*
1 6	13 9.48	+ 8 24.1	0.649	1.204	54.7	18.6	93 W	53	51*
1 11	13 32.65	+ 5 11.9	0.605	1.165	57.5	18.4	91 W	50	54*
1 16	13 57.70	+ 1 35.7	0.568	1.127	60.7	18.3	89 W	47	56*
		3552 Don Quixote							
9 28	8 28.69	+46 42.0	6.449	6.177	8.8	21.5	70 W	63*	9*
10 8	8 33.81	+47 1.9	6.340	6.208	9.1	21.5	78 W	71*	11*
10 18	8 37.74	+47 28.0	6.225	6.239	9.2	21.5	86 W	79*	12*
10 28	8 40.31	+48 0.0	6.109	6.269	9.1	21.4	95 W	86*	14*
11 7	8 41.39	+48 37.2	5.995	6.299	8.8	21.4	103 W	86	14*
11 17	8 40.83	+49 18.7	5.889	6.328	8.3	21.3	112 W	86	15*
11 27	8 38.51	+50 2.6	5.794	6.357	7.7	21.3	121 W	85	14
12 7	8 34.41	+50 46.5	5.715	6.385	6.9	21.2	129 W	84	13
12 17	8 28.59	+51 27.6	5.657	6.413	6.0	21.2	137 W	84	13
12 27	8 21.27	+52 2.7	5.623	6.440	5.2	21.1	144 W	83	12
1 6	8 12.81	+52 28.8	5.616	6.467	4.7	21.1	148 W	83	12
1 16	8 3.70	+52 43.7	5.637	6.494	4.6	21.1	148 W	82	11
		283889 2004 BL_{89}							
9 28	8 57.54	+16 19.9	2.642	2.188	21.4	21.5	53 W	42*	27*
10 8	9 15.86	+14 37.9	2.513	2.157	23.1	21.4	58 W	46*	30*
10 18	9 33.76	+12 48.4	2.379	2.125	24.7	21.3	63 W	49*	34*
10 28	9 51.14	+10 52.4	2.243	2.094	26.2	21.1	69 W	52*	37*
11 7	10 7.94	+ 8 50.4	2.104	2.062	27.5	21.0	74 W	52*	41*
11 17	10 24.09	+ 6 43.5	1.963	2.031	28.6	20.9	79 W	52*	46*
11 27	10 39.45	+ 4 32.6	1.823	2.000	29.5	20.7	85 W	50	51*
12 7	10 53.88	+ 2 18.9	1.685	1.969	30.0	20.5	91 W	47	56*
12 17	11 7.17	+ 0 3.5	1.549	1.939	30.2	20.3	97 W	45	62*
12 27	11 19.07	− 2 11.9	1.418	1.909	30.0	20.1	104 W	43	66*
1 6	11 29.25	− 4 25.5	1.292	1.880	29.3	19.8	111 W	41	68
1 16	11 37.29	− 6 34.9	1.174	1.852	28.0	19.5	118 W	38	71
		513125 1997 GC_{32}							
9 28	9 15.89	+ 9 3.7	0.288	0.832	118.5	20.0	47 W	34*	29*
10 3	8 52.02	+ 8 50.3	0.305	0.875	105.5	19.4	57 W	41*	36*
10 8	8 32.97	+ 8 28.0	0.324	0.921	94.3	19.1	67 W	47*	42*
10 13	8 17.24	+ 8 1.9	0.341	0.970	84.7	19.0	75 W	50*	47*
10 18	8 3.45	+ 7 35.3	0.358	1.020	76.0	18.9	84 W	52*	51*
10 23	7 50.53	+ 7 10.4	0.373	1.071	68.2	18.8	91 W	52	55*
10 28	7 37.74	+ 6 48.8	0.387	1.123	60.8	18.8	99 W	52	57*
11 2	7 24.61	+ 6 31.6	0.401	1.175	53.7	18.7	107 W	52	57
11 7	7 10.86	+ 6 19.8	0.415	1.227	46.9	18.7	115 W	51	58
11 12	6 56.39	+ 6 13.9	0.431	1.279	40.2	18.7	124 W	51	58
11 17	6 41.34	+ 6 14.6	0.449	1.330	33.7	18.7	132 W	51	58
11 27	6 10.87	+ 6 35.8	0.497	1.432	21.6	18.7	148 W	52	57
12 7	5 42.79	+ 7 19.8	0.565	1.530	12.2	18.8	161 W	52	57
12 17	5 19.95	+ 8 19.4	0.656	1.625	9.4	19.2	164 E	53	56
12 22	5 10.98	+ 8 52.8	0.711	1.672	11.0	19.5	161 E	54	55
12 27	5 3.71	+ 9 27.6	0.771	1.718	13.2	19.8	156 E	54	55
1 1	4 58.04	+10 3.0	0.836	1.763	15.6	20.1	151 E	55	54
1 6	4 53.88	+10 38.7	0.906	1.807	17.8	20.4	146 E	56	53
1 11	4 51.09	+11 14.3	0.981	1.850	19.7	20.7	141 E	56	53
1 16	4 49.54	+11 49.4	1.059	1.892	21.3	21.0	136 E	57	52
		387717 2003 DN_4							
9 28	9 17.87	−36 56.6	0.441	0.826	100.1	20.7	54 W	—	44*
9 30	9 11.66	−38 41.4	0.458	0.843	96.1	20.7	57 W	—	47*
10 2	9 6.00	−40 15.3	0.475	0.861	92.5	20.6	59 W	—	49*
10 4	9 0.83	−41 40.2	0.492	0.878	89.2	20.6	61 W	—	51*
10 6	8 56.08	−42 57.5	0.508	0.896	86.2	20.6	63 W	—	52*
10 8	8 51.69	−44 8.3	0.525	0.913	83.4	20.6	65 W	—	54*
10 10	8 47.60	−45 13.7	0.541	0.930	80.8	20.6	67 W	—	55*
10 12	8 43.75	−46 14.5	0.556	0.948	78.4	20.6	68 W	—	56*
10 14	8 40.08	−47 11.4	0.572	0.965	76.2	20.7	70 W	—	57*
10 16	8 36.54	−48 4.8	0.586	0.982	74.1	20.7	71 W	—	58*
10 18	8 33.08	−48 55.3	0.600	0.999	72.2	20.7	73 W	—	59*
10 20	8 29.65	−49 43.1	0.614	1.016	70.4	20.7	74 W	—	60*
10 22	8 26.23	−50 28.5	0.627	1.033	68.8	20.8	75 W	—	60*
10 24	8 22.76	−51 11.6	0.640	1.049	67.2	20.8	76 W	—	61*
10 26	8 19.23	−51 52.7	0.652	1.066	65.7	20.8	78 W	—	61*
10 28	8 15.59	−52 31.9	0.663	1.082	64.3	20.9	79 W	—	61*
11 2	8 5.89	−54 1.4	0.690	1.122	61.0	20.9	82 W	—	61*
11 7	7 55.00	−55 18.9	0.713	1.160	58.2	21.0	84 W	—	61*
11 12	7 42.64	−56 23.4	0.734	1.197	55.6	21.0	87 W	—	60
11 17	7 28.67	−57 12.5	0.752	1.233	53.3	21.1	89 W	—	59

20/21	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
		387717 2003 DN_4				*(continuation)*			
	h m	° ′			°	m	°	°	°
11 22	7 13.16	−57 43.5	0.768	1.268	51.2	21.1	92 W	—	58
11 27	6 56.38	−57 53.4	0.783	1.301	49.2	21.2	94 W	—	58
12 2	6 38.84	−57 40.0	0.796	1.332	47.4	21.2	96 W	—	58
12 7	6 21.13	−57 1.3	0.809	1.363	45.7	21.3	98 W	—	59
12 12	6 3.93	−55 56.5	0.822	1.391	44.1	21.3	100 W	—	60
12 17	5 47.90	−54 25.7	0.835	1.419	42.7	21.3	102 W	—	62
12 22	5 33.56	−52 30.6	0.849	1.445	41.4	21.4	104 E	—	63
12 27	5 21.22	−50 13.9	0.865	1.470	40.2	21.4	105 E	—	66
1 1	5 11.01	−47 39.0	0.882	1.493	39.2	21.5	106 E	—	68
1 6	5 2.89	−44 49.3	0.902	1.515	38.4	21.5	107 E	—	71
1 11	4 56.75	−41 48.4	0.924	1.536	37.7	21.6	107 E	3	74
1 16	4 52.46	−38 39.9	0.949	1.555	37.2	21.6	107 E	6	77
		310379 1994 NZ							
9 28	9 41.11	+11 22.7	2.822	2.173	17.7	21.5	41 W	31*	22*
10 8	10 0.33	+ 9 11.4	2.682	2.114	19.9	21.4	46 W	35*	25*
10 18	10 19.79	+ 6 49.1	2.538	2.055	22.0	21.2	51 W	38*	29*
10 28	10 39.52	+ 4 15.6	2.392	1.996	24.1	21.1	55 W	40*	32*
11 7	10 59.62	+ 1 30.8	2.244	1.937	26.1	21.0	59 W	41*	36*
11 17	11 20.18	− 1 25.4	2.098	1.878	28.1	20.8	64 W	41*	41*
11 27	11 41.32	− 4 32.8	1.953	1.821	30.1	20.7	68 W	40*	46*
12 7	12 3.19	− 7 51.0	1.813	1.764	31.9	20.5	71 W	37*	51*
12 17	12 26.01	−11 19.5	1.678	1.710	33.8	20.3	75 W	34	57*
12 27	12 49.97	−14 56.6	1.549	1.657	35.5	20.1	78 W	30	63*
1 1	13 2.47	−16 47.7	1.488	1.631	36.4	20.0	80 W	28	66*
1 6	13 15.36	−18 40.1	1.429	1.607	37.2	19.9	81 W	26	69*
1 11	13 28.69	−20 33.3	1.372	1.583	38.0	19.8	83 W	24	72*
1 16	13 42.49	−22 26.6	1.318	1.560	38.8	19.7	84 W	23	75*
		503966 2004 RX_{109}							
9 28	9 44.88	− 6 23.3	1.868	1.252	29.9	21.2	39 W	17*	30*
10 3	10 3.69	− 7 39.8	1.792	1.181	31.6	21.1	38 W	17*	30*
10 8	10 24.02	− 8 59.7	1.718	1.108	33.3	20.9	37 W	17*	29*
10 13	10 46.12	−10 21.9	1.649	1.033	35.0	20.7	36 W	16*	28*
10 18	11 10.22	−11 44.6	1.586	0.956	36.5	20.5	35 W	16*	26*
10 23	11 36.56	−13 5.2	1.529	0.878	37.9	20.3	33 W	14*	24*
10 28	12 5.39	−14 20.2	1.480	0.798	38.8	20.0	30 W	13*	22*
11 2	12 36.90	−15 25.4	1.440	0.718	39.1	19.7	27 W	11*	19*
11 7	13 11.25	−16 15.8	1.410	0.638	38.2	19.4	23 W	10*	15*
11 12	13 48.47	−16 46.4	1.391	0.562	35.6	19.0	19 W	7*	11*
11 17	14 28.47	−16 53.4	1.382	0.495	30.5	18.6	15 W	5*	6*
11 22	15 10.97	−16 35.7	1.381	0.443	22.9	18.1	10 W	3*	1*
11 27	15 55.25	−15 56.8	1.383	0.418	15.5	17.8	6 W	—	—
11 29	16 13.19	−15 37.0	1.385	0.417	14.5	17.7	6 W	—	—
12 1	16 31.10	−15 15.5	1.386	0.422	15.5	17.8	7 E	—	—
12 3	16 48.90	−14 52.7	1.388	0.432	17.8	17.9	8 E	1*	—
12 5	17 6.47	−14 29.1	1.390	0.446	20.7	18.1	9 E	3*	—
12 7	17 23.76	−14 4.8	1.393	0.465	23.6	18.3	11 E	5*	—
12 12	18 5.33	−13 1.8	1.407	0.525	29.5	18.7	15 E	9*	—
12 17	18 44.14	−11 55.8	1.431	0.597	32.8	19.1	19 E	13*	2*
12 22	19 19.97	−10 47.3	1.468	0.675	34.0	19.5	23 E	16*	5*
12 27	19 52.76	− 9 37.3	1.516	0.755	33.9	19.8	25 E	18*	7*
1 1	20 22.63	− 8 26.9	1.575	0.836	32.8	20.1	27 E	20*	8*
1 6	20 49.77	− 7 17.2	1.642	0.915	31.3	20.3	29 E	21*	9*
1 11	21 14.44	− 6 9.0	1.717	0.992	29.5	20.5	30 E	22*	9*
1 16	21 36.90	− 5 2.9	1.797	1.068	27.6	20.7	30 E	23*	10*
		365449 2010 NJ_1							
9 28	10 17.06	+ 5 3.1	0.934	0.524	81.6	21.5	31 W	20*	18*
10 3	10 50.31	+ 3 41.0	1.020	0.483	74.0	21.2	28 W	18*	14*
10 8	11 23.50	+ 2 5.0	1.111	0.455	64.0	21.0	24 W	16*	11*
10 13	11 56.68	+ 0 14.3	1.205	0.445	52.4	20.8	21 W	13*	8*
10 18	12 29.46	− 1 48.6	1.295	0.455	40.8	20.7	17 W	10*	4*
10 23	13 1.29	− 3 57.9	1.379	0.482	30.6	20.6	14 W	8*	2*
10 28	13 31.70	− 6 6.6	1.456	0.523	22.7	20.7	12 W	6*	—
11 2	14 0.48	− 8 9.4	1.526	0.573	16.9	20.8	10 W	4*	—
11 7	14 27.64	−10 2.7	1.592	0.627	12.9	21.0	8 W	2*	—
11 12	14 53.28	−11 45.0	1.654	0.683	10.3	21.1	7 W	1*	—
11 17	15 17.54	−13 15.5	1.713	0.739	8.6	21.3	6 W	—	—
11 22	15 40.55	−14 34.3	1.769	0.794	7.5	21.5	6 W	—	—
		194268 2001 UY_4							
9 28	10 20.84	+ 8 26.9	2.075	1.323	23.1	21.5	31 W	22*	15*
10 3	10 36.14	+ 7 5.5	1.991	1.260	24.9	21.3	32 W	23*	16*
10 8	10 52.47	+ 5 36.2	1.908	1.195	26.8	21.2	33 W	24*	16*
10 13	11 9.99	+ 3 57.8	1.826	1.127	28.7	21.0	33 W	24*	16*
10 18	11 28.91	+ 2 9.6	1.745	1.056	30.7	20.8	33 W	24*	16*
10 23	11 49.51	+ 0 10.5	1.667	0.982	32.7	20.6	32 W	23*	16*
10 28	12 12.08	− 2 0.0	1.594	0.904	34.7	20.4	31 W	22*	15*

20/21	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
		194268 2001 UY_4				*(continuation)*			
	h m	° ′			°	m	°	°	°
11 7	13 4.72	− 6 56.3	1.465	0.739	37.8	19.9	27 W	18*	13*
11 17	14 10.61	−12 29.4	1.374	0.560	37.4	19.1	20 W	11*	8*
11 27	15 34.75	−17 59.6	1.325	0.386	24.3	17.9	9 W	2*	—
12 2	16 25.18	−20 18.1	1.307	0.325	7.6	16.9	3 W	—	—
12 7	17 19.82	−21 56.6	1.275	0.311	18.6	17.1	6 E	—	—
12 12	18 14.57	−22 40.0	1.230	0.353	39.7	18.0	13 E	3*	5*
12 17	19 6.47	−22 26.3	1.189	0.429	52.0	18.7	20 E	7*	11*
12 22	19 54.82	−21 22.4	1.163	0.518	57.2	19.2	26 E	12*	17*
12 27	20 39.37	−19 38.4	1.158	0.609	58.1	19.5	32 E	16*	21*
1 1	21 19.87	−17 26.5	1.172	0.698	56.9	19.8	37 E	19*	24*
1 6	21 56.23	−14 58.7	1.204	0.785	54.4	20.1	40 E	23*	27*
1 11	22 28.63	−12 25.6	1.251	0.867	51.5	20.3	44 E	26*	29*
1 16	22 57.42	− 9 54.5	1.310	0.946	48.5	20.5	46 E	29*	30*
		353982 2000 EZ_{13}							
9 28	10 40.81	+44 58.2	2.618	2.147	21.5	21.5	52 W	41*	—
10 8	10 59.77	+42 52.9	2.559	2.153	22.4	21.5	55 W	45*	—
10 18	11 16.89	+40 54.8	2.488	2.157	23.4	21.5	59 W	50*	—
10 28	11 32.27	+39 5.8	2.406	2.160	24.4	21.4	64 W	56*	2*
11 7	11 45.93	+37 27.5	2.313	2.163	25.3	21.4	69 W	62*	6*
11 17	11 57.81	+36 1.7	2.210	2.165	26.1	21.3	74 W	68*	10*
11 27	12 7.72	+34 50.0	2.098	2.166	26.7	21.2	80 W	74*	15*
12 7	12 15.39	+33 53.6	1.978	2.166	27.0	21.1	87 W	78*	19*
12 17	12 20.38	+33 13.8	1.852	2.165	26.9	20.9	95 W	78	24*
12 27	12 22.08	+32 50.8	1.723	2.164	26.3	20.8	103 W	78	28*
1 6	12 19.72	+32 43.5	1.596	2.161	25.0	20.5	112 W	78	31*
1 16	12 12.34	+32 48.3	1.475	2.158	22.9	20.3	121 W	78	31
		267720 2003 CA							
9 28	10 44.62	− 4 58.4	0.750	0.435	112.7	20.7	24 W	8*	16*
9 30	10 40.76	− 4 16.3	0.784	0.457	104.5	20.4	26 W	11*	18*
10 2	10 38.61	− 3 36.8	0.818	0.482	97.3	20.3	29 W	14*	20*
10 4	10 37.85	− 3 0.6	0.852	0.509	91.0	20.2	31 W	16*	21*
10 6	10 38.17	− 2 28.1	0.885	0.537	85.6	20.2	32 W	18*	22*
10 8	10 39.33	− 1 59.2	0.917	0.566	80.9	20.2	34 W	20*	23*
10 13	10 44.71	− 1 0.7	0.990	0.641	71.8	20.3	38 W	24*	24*
10 18	10 52.11	− 0 17.7	1.053	0.717	65.3	20.5	41 W	27*	25*
10 23	11 0.40	+ 0 14.4	1.106	0.791	60.6	20.7	44 W	30*	27*
10 28	11 8.98	+ 0 39.6	1.149	0.864	57.0	20.8	47 W	33*	28*
11 2	11 17.54	+ 1 0.3	1.183	0.935	54.3	21.0	50 W	36*	29*
11 7	11 25.88	+ 1 18.9	1.210	1.003	52.2	21.1	53 W	38*	31*
11 12	11 33.89	+ 1 36.8	1.228	1.069	50.5	21.3	56 W	41*	33*
11 17	11 41.48	+ 1 55.5	1.240	1.133	49.0	21.4	60 W	43*	34*
11 22	11 48.60	+ 2 16.3	1.246	1.194	47.7	21.5	63 W	45*	36*
		303933 2005 VQ							
9 28	11 2.14	+17 22.9	1.764	0.983	27.6	21.4	27 W	21*	2*
10 8	11 45.19	+12 29.4	1.690	0.894	28.4	21.2	25 W	19*	1*
10 18	12 30.43	+ 6 36.5	1.631	0.803	28.1	20.8	22 W	16*	—
10 28	13 18.37	− 0 11.0	1.590	0.716	25.6	20.5	18 W	12*	—
11 2	13 43.62	− 3 51.0	1.576	0.676	23.3	20.2	16 W	10*	—
11 7	14 9.92	− 7 37.9	1.567	0.641	20.2	20.0	13 W	7*	—
11 12	14 37.43	−11 27.4	1.562	0.611	16.2	19.8	10 W	4*	—
11 17	15 6.32	−15 13.7	1.560	0.590	11.4	19.5	7 W	1*	—
11 22	15 36.68	−18 49.6	1.560	0.578	6.1	19.2	4 W	—	—
11 27	16 8.53	−22 7.4	1.562	0.576	2.2	19.0	1 W	—	—
12 2	16 41.73	−24 59.2	1.566	0.586	6.1	19.3	4 E	—	—
12 7	17 15.98	−27 18.1	1.573	0.605	10.9	19.6	7 E	—	—
12 12	17 50.80	−28 59.8	1.582	0.633	15.1	19.8	10 E	—	4*
12 17	18 25.59	−30 2.2	1.595	0.667	18.4	20.1	12 E	—	6*
12 22	18 59.73	−30 26.3	1.611	0.706	20.8	20.3	15 E	—	9*
12 27	19 32.65	−30 15.1	1.633	0.748	22.4	20.5	17 E	—	11*
1 1	20 3.92	−29 33.2	1.659	0.792	23.4	20.7	19 E	—	13*
1 6	20 33.28	−28 26.1	1.689	0.838	23.9	20.9	20 E	2*	14*
1 11	21 0.62	−26 59.2	1.723	0.883	23.9	21.0	21 E	3*	15*
1 16	21 25.97	−25 17.5	1.761	0.928	23.6	21.2	22 E	5*	15*
		523661 2012 LF_{11}							
9 28	11 14.32	+ 0 31.2	1.332	0.465	37.1	21.3	16 W	7*	7*
10 3	11 46.30	− 2 35.5	1.402	0.478	27.2	21.2	13 W	4*	5*
10 8	12 17.55	− 5 26.0	1.466	0.506	18.5	21.1	9 W	1*	2*
10 13	12 47.76	− 7 58.2	1.525	0.545	11.6	21.1	6 W	—	—
10 18	13 16.77	−10 11.8	1.580	0.589	6.4	21.1	4 W	—	—
10 23	13 44.51	−12 7.2	1.632	0.638	2.6	21.2	2 W	—	—
10 28	14 11.02	−13 45.6	1.681	0.688	1.0	21.3	1 E	—	—

437844 1999 *MN*

20/21	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
	h m	° ′			°	m	°	°	°
9 28	11 30.53	+ 3 11.2	0.974	0.227	90.6	21.3	13 W	6*	2*
9 30	11 40.70	+ 2 17.0	1.057	0.228	69.7	20.8	12 W	6*	2*
10 2	11 53.20	+ 1 4.6	1.136	0.244	51.2	20.5	11 W	4*	1*
10 4	12 6.79	− 0 17.4	1.205	0.271	36.5	20.5	9 W	3*	—
10 6	12 20.56	− 1 42.3	1.265	0.304	25.5	20.5	8 W	1*	—
10 8	12 34.02	− 3 6.1	1.318	0.340	17.5	20.6	6 W	—	—
10 10	12 46.98	− 4 26.8	1.365	0.377	11.6	20.7	4 W	—	—
10 12	12 59.40	− 5 43.5	1.408	0.414	7.3	20.8	3 W	—	—
10 14	13 11.28	− 6 56.2	1.447	0.451	4.1	20.8	2 W	—	—
10 16	13 22.66	− 8 4.7	1.483	0.487	1.8	20.9	1 W	—	—
10 18	13 33.58	− 9 9.2	1.517	0.521	1.2	21.1	1 E	—	—
10 23	13 59.16	−11 34.3	1.595	0.602	3.4	21.6	2 E	—	—
10 28	14 22.72	−13 39.1	1.665	0.675	4.7	22.1	3 E	—	—
11 2	14 44.71	−15 26.6	1.729	0.741	5.1	22.4	4 E	—	—
11 7	15 5.44	−16 59.2	1.786	0.801	4.9	22.6	4 E	—	—

164184 2004 BF_{68}

20/21	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
9 28	11 31.57	+ 1 23.0	1.933	0.977	12.5	21.4	12 W	5*	3*
10 3	11 52.40	− 0 38.3	1.913	0.954	12.1	21.3	12 W	4*	2*
10 8	12 13.67	− 2 41.8	1.897	0.934	11.5	21.2	11 W	3*	2*
10 13	12 35.37	− 4 45.8	1.885	0.918	10.7	21.2	10 W	3*	1*
10 18	12 57.50	− 6 48.9	1.876	0.905	9.9	21.1	9 W	2*	—
10 23	13 20.03	− 8 49.3	1.870	0.896	8.9	21.0	8 W	1*	—
10 28	13 42.94	−10 45.2	1.868	0.891	7.8	21.0	7 W	—	—
11 2	14 6.16	−12 35.0	1.870	0.890	6.7	20.9	6 W	—	—
11 7	14 29.65	−14 16.9	1.876	0.893	5.7	20.9	5 W	—	—
11 12	14 53.33	−15 49.6	1.885	0.901	4.7	20.9	4 W	—	—
11 17	15 17.10	−17 11.9	1.897	0.912	3.8	20.8	3 W	—	—
11 22	15 40.87	−18 22.6	1.913	0.928	3.1	20.9	3 W	—	—
11 27	16 4.51	−19 21.3	1.931	0.946	2.6	20.9	2 W	—	—
12 2	16 27.93	−20 7.7	1.952	0.968	2.2	20.9	2 W	—	—
12 7	16 51.01	−20 41.7	1.976	0.992	2.1	21.0	2 W	—	—
12 12	17 13.66	−21 3.7	2.002	1.019	2.1	21.1	2 W	—	—
12 17	17 35.80	−21 14.2	2.030	1.047	2.1	21.2	2 W	—	—
12 22	17 57.33	−21 14.0	2.059	1.077	2.2	21.3	2 W	—	—
12 27	18 18.21	−21 3.8	2.090	1.109	2.3	21.4	3 W	—	—
1 1	18 38.40	−20 44.7	2.122	1.141	2.4	21.5	3 W	—	—

157185 2004 PX_{89}

20/21	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
9 28	12 25.47	− 2 53.2	3.377	2.376	0.8	21.5	2 E	—	—
10 8	12 42.60	− 4 50.1	3.336	2.339	1.4	21.4	3 W	—	—
10 18	13 0.22	− 6 48.1	3.283	2.302	3.6	21.5	8 W	1*	—
10 28	13 18.38	− 8 46.5	3.219	2.264	5.8	21.6	13 W	6*	3*
11 7	13 37.10	−10 44.3	3.143	2.225	8.1	21.6	18 W	10*	7*

121863 2000 CO_{75}

20/21	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
9 28	12 27.85	− 2 9.9	3.802	2.801	0.8	21.5	2 E	—	—
10 8	12 42.48	− 3 30.5	3.808	2.812	1.4	21.5	4 W	—	—
10 18	12 57.09	− 4 49.3	3.799	2.822	3.5	21.7	10 W	3*	—
10 28	13 11.62	− 6 5.5	3.773	2.831	5.5	21.8	16 W	9*	4*
11 7	13 26.05	− 7 18.3	3.732	2.839	7.6	21.9	22 W	14*	8*

100316 1995 MM_2

20/21	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
9 28	12 30.82	− 2 21.9	3.716	2.716	1.1	21.4	3 E	—	—
10 8	12 45.95	− 3 51.0	3.703	2.706	1.1	21.4	3 W	—	—
10 18	13 1.25	− 5 19.3	3.675	2.695	3.2	21.5	9 W	2*	—
10 28	13 16.67	− 6 45.7	3.633	2.683	5.3	21.6	15 W	8*	3*
11 7	13 32.21	− 8 9.6	3.576	2.670	7.5	21.6	20 W	13*	7*

354876 2006 BG_{55}

20/21	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
9 28	12 33.48	+ 2 7.9	2.335	1.341	4.2	21.3	6 E	—	—
10 8	13 1.52	− 0 32.4	2.237	1.247	4.5	21.0	6 E	—	—
10 18	13 32.30	− 3 25.3	2.133	1.148	5.4	20.8	6 E	—	—
10 28	14 6.53	− 6 30.0	2.025	1.045	6.3	20.5	7 W	—	—
11 7	14 45.12	− 9 44.4	1.917	0.939	7.0	20.2	7 W	—	—
11 12	15 6.38	−11 23.8	1.863	0.886	7.1	20.0	6 W	—	—
11 17	15 29.16	−13 3.3	1.811	0.834	7.0	19.8	6 W	—	—
11 22	15 53.59	−14 41.3	1.761	0.783	6.9	19.6	5 E	—	—
11 27	16 19.80	−16 15.8	1.712	0.735	7.0	19.4	5 E	—	—
12 2	16 47.88	−17 44.3	1.666	0.690	7.8	19.3	5 E	—	—
12 7	17 17.87	−19 3.5	1.622	0.652	9.7	19.2	6 E	—	—
12 12	17 49.69	−20 9.8	1.580	0.621	13.0	19.1	8 E	1*	—
12 17	18 23.12	−20 59.1	1.541	0.600	17.3	19.1	10 E	2*	2*
12 22	18 57.79	−21 27.7	1.504	0.591	22.3	19.2	13 E	4*	4*
12 27	19 33.19	−21 32.6	1.472	0.594	27.5	19.3	16 E	6*	7*
1 1	20 8.76	−21 11.9	1.444	0.610	32.3	19.5	19 E	8*	10*
1 6	20 43.95	−20 25.5	1.422	0.636	36.2	19.7	22 E	10*	13*
1 11	21 18.26	−19 15.0	1.407	0.671	39.2	19.8	26 E	12*	16*
1 16	21 51.32	−17 43.3	1.401	0.713	41.2	20.0	29 E	14*	18*

86730 2000 GY_{37}

20/21	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
	h m	° ′			°	m	°	°	°
9 28	12 34.98	− 3 34.7	3.540	2.542	1.7	21.4	4 E	—	—
10 8	12 51.38	− 5 5.9	3.512	2.514	0.5	21.2	1 W	—	—
10 18	13 8.18	− 6 37.0	3.471	2.484	2.6	21.4	7 W	—	—
10 28	13 25.35	− 8 7.0	3.416	2.453	4.8	21.4	12 W	5*	1*
11 7	13 42.92	− 9 34.9	3.349	2.422	7.0	21.5	17 W	10*	5*
11 17	14 0.89	−10 59.7	3.270	2.390	9.3	21.5	23 W	14*	10*
11 27	14 19.25	−12 20.2	3.179	2.357	11.4	21.5	28 W	18*	14*
12 7	14 38.01	−13 35.3	3.078	2.324	13.6	21.5	34 W	21*	19*
12 17	14 57.14	−14 44.0	2.967	2.289	15.7	21.4	39 W	23*	25*
12 27	15 16.61	−15 45.0	2.848	2.255	17.8	21.4	44 W	24*	31*
1 6	15 36.39	−16 37.1	2.722	2.220	19.8	21.3	50 W	25*	37*
1 16	15 56.43	−17 19.4	2.590	2.184	21.7	21.2	55 W	25*	43*

3988 Huma

20/21	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
9 28	12 43.05	− 8 29.5	2.624	1.641	5.4	21.4	9 E	—	2*
10 8	13 7.77	−10 31.0	2.591	1.600	3.5	21.2	6 E	—	—
10 18	13 33.65	−12 30.8	2.551	1.557	1.9	21.0	3 E	—	—
10 28	14 0.85	−14 26.3	2.505	1.513	1.7	20.9	3 W	—	—
11 7	14 29.53	−16 14.5	2.453	1.468	3.2	20.9	5 W	—	—
11 17	14 59.86	−17 52.0	2.398	1.422	5.0	20.9	7 W	—	—
11 27	15 31.96	−19 14.5	2.339	1.376	6.8	20.8	10 W	2*	1*
12 7	16 5.89	−20 17.5	2.280	1.330	8.6	20.8	12 W	3*	3*
12 17	16 41.65	−20 56.0	2.221	1.285	10.3	20.7	14 W	4*	5*
12 27	17 19.10	−21 5.2	2.164	1.241	11.9	20.7	15 W	5*	6*
1 6	17 57.97	−20 40.7	2.111	1.199	13.3	20.6	16 W	6*	7*
1 16	18 37.91	−19 39.7	2.064	1.161	14.5	20.5	17 W	6*	9*

196068 2002 TW_{55}

20/21	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
9 28	13 4.58	+12 21.2	2.370	1.453	12.5	21.4	18 E	12*	—
10 8	13 22.18	+ 7 4.7	2.294	1.351	10.8	21.1	15 E	8*	—
10 18	13 40.85	+ 1 28.5	2.209	1.247	9.0	20.8	11 E	3*	—
10 28	14 1.08	− 4 32.5	2.113	1.142	7.7	20.5	9 W	2*	—
11 2	14 12.02	− 7 44.1	2.062	1.089	7.4	20.3	8 W	2*	—
11 7	14 23.69	−11 4.1	2.009	1.038	7.7	20.1	8 W	2*	—
11 12	14 36.29	−14 33.1	1.955	0.987	8.5	20.0	9 W	2*	—
11 17	14 50.07	−18 11.5	1.898	0.937	10.0	19.9	9 W	1*	2*
11 22	15 5.37	−21 59.1	1.841	0.890	11.9	19.8	11 W	—	4*
11 27	15 22.64	−25 55.0	1.784	0.846	14.3	19.7	12 W	—	6*
12 2	15 42.48	−29 56.6	1.727	0.806	17.1	19.6	14 W	—	8*
12 7	16 5.66	−33 59.3	1.672	0.771	20.3	19.6	16 W	—	9*
12 9	16 16.07	−35 34.9	1.651	0.759	21.6	19.5	16 W	—	9*
12 11	16 27.24	−37 8.7	1.630	0.748	22.9	19.5	17 W	—	9*
12 13	16 39.21	−38 39.9	1.610	0.739	24.3	19.5	18 W	—	9*
12 15	16 52.06	−40 7.3	1.591	0.730	25.6	19.5	19 W	—	9*
12 17	17 5.82	−41 30.0	1.573	0.723	26.9	19.5	19 W	—	9*
12 19	17 20.53	−42 46.7	1.555	0.717	28.3	19.5	20 W	—	9*
12 21	17 36.21	−43 56.0	1.539	0.713	29.5	19.5	21 W	—	8*
12 23	17 52.82	−44 56.6	1.525	0.711	30.7	19.5	22 W	—	7*
12 25	18 10.31	−45 46.9	1.512	0.710	31.9	19.5	22 W	—	7*
12 27	18 28.58	−46 25.7	1.500	0.710	33.0	19.5	23 E	—	7*
12 29	18 47.47	−46 51.9	1.491	0.712	33.9	19.5	24 E	—	9*
12 31	19 6.79	−47 4.5	1.483	0.716	34.8	19.6	25 E	—	10*
1 2	19 26.31	−47 3.1	1.477	0.721	35.5	19.6	25 E	—	12*
1 4	19 45.80	−46 47.4	1.473	0.727	36.1	19.6	26 E	—	14*
1 6	20 5.01	−46 17.7	1.471	0.735	36.6	19.7	26 E	—	15*
1 8	20 23.74	−45 34.6	1.471	0.745	36.9	19.7	27 E	—	17*
1 10	20 41.80	−44 39.2	1.474	0.755	37.1	19.7	28 E	—	18*
1 12	20 59.06	−43 32.7	1.479	0.767	37.2	19.8	28 E	—	19*
1 14	21 15.43	−42 16.4	1.485	0.780	37.1	19.8	29 E	—	21*
1 16	21 30.86	−40 51.9	1.494	0.793	37.0	19.9	29 E	—	22*

200607 2001 RG_{145}

20/21	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
9 28	13 10.63	− 6 3.2	2.956	1.996	6.8	21.4	14 E	—	7*
10 8	13 30.93	− 8 24.1	2.933	1.954	4.7	21.2	9 E	—	3*
10 18	13 52.19	−10 44.9	2.902	1.911	2.7	21.0	5 E	—	—
10 28	14 14.50	−13 4.0	2.863	1.869	0.6	20.8	1 E	—	—
11 7	14 37.94	−15 19.6	2.817	1.828	1.5	20.8	3 W	—	—
11 17	15 2.64	−17 29.6	2.765	1.787	3.7	20.8	7 W	—	—
11 27	15 28.68	−19 31.7	2.709	1.746	5.8	20.8	10 W	2*	2*
12 7	15 56.11	−21 22.9	2.648	1.707	7.9	20.8	14 W	4*	5*
12 17	16 25.00	−23 0.5	2.586	1.670	9.9	20.8	17 W	5*	9*
12 27	16 55.30	−24 20.9	2.522	1.634	12.0	20.8	20 W	6*	12*
1 6	17 26.92	−25 21.1	2.457	1.601	14.0	20.8	23 W	6*	16*
1 16	17 59.72	−25 58.0	2.394	1.570	15.9	20.7	26 W	6*	19*

202914 1997 *PA*

20/21	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
9 28	13 15.48	−14 37.2	3.487	2.560	7.3	21.5	19 E	—	12*
10 8	13 31.96	−16 12.9	3.493	2.533	5.4	21.4	14 E	—	7*
10 18	13 49.03	−17 48.4	3.485	2.507	3.6	21.3	9 E	—	1*
10 28	14 6.70	−19 23.0	3.464	2.479	2.5	21.1	6 W	—	—

20/21	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
202914 1997 *PA*									*(continuation)*
	h m	° ′			°	m	°	°	°
11 7	14 24.97	−20 55.4	3.430	2.450	3.0	21.1	7 W	—	1*
11 17	14 43.85	−22 24.7	3.383	2.421	4.6	21.2	11 W	—	5*
11 27	15 3.35	−23 49.8	3.324	2.391	6.6	21.2	16 W	2*	9*
12 7	15 23.46	−25 9.4	3.253	2.360	8.6	21.2	21 W	5*	14*
12 17	15 44.16	−26 22.7	3.171	2.329	10.8	21.2	26 W	7*	19*
12 27	16 5.43	−27 28.3	3.079	2.297	12.9	21.2	31 W	9*	24*
1 6	16 27.21	−28 25.3	2.978	2.265	15.0	21.2	37 W	10*	29*
1 16	16 49.45	−29 12.8	2.869	2.232	17.0	21.1	42 W	10*	35*
481025 2004 VA_1									
9 28	13 15.85	−10 5.8	1.443	0.558	30.4	21.3	16 E	—	10*
10 3	13 45.82	−11 28.1	1.370	0.531	37.2	21.3	19 E	1*	13*
10 8	14 17.24	−12 33.5	1.295	0.515	45.0	21.3	21 E	3*	15*
10 13	14 49.77	−13 18.8	1.217	0.514	53.2	21.4	24 E	6*	18*
10 18	15 23.02	−13 42.7	1.139	0.526	61.0	21.6	28 E	9*	20*
112891 2002 QG_{47}									
9 28	13 25.64	− 6 53.1	2.973	2.039	8.5	21.4	17 E	2*	11*
10 8	13 45.62	− 9 5.3	2.966	2.005	6.4	21.3	13 E	1*	7*
10 18	14 6.46	−11 15.7	2.951	1.971	4.4	21.1	9 E	—	2*
10 28	14 28.21	−13 23.1	2.926	1.937	2.3	20.9	4 E	—	—
11 7	14 50.92	−15 25.6	2.894	1.904	0.5	20.7	1 E	—	—
11 17	15 14.68	−17 21.6	2.855	1.870	2.1	20.8	4 W	—	—
11 27	15 39.52	−19 9.0	2.810	1.837	4.2	20.8	8 W	1*	—
12 7	16 5.45	−20 45.7	2.759	1.805	6.3	20.9	12 W	3*	3*
12 17	16 32.50	−22 9.4	2.703	1.774	8.5	20.9	15 W	5*	7*
12 27	17 0.62	−23 17.9	2.643	1.743	10.6	20.9	19 W	6*	11*
1 6	17 29.71	−24 8.9	2.581	1.714	12.7	20.9	23 W	7*	15*
1 16	17 59.66	−24 40.5	2.516	1.687	14.7	20.9	26 W	7*	19*
147997 1996 RH_{26}									
9 28	13 52.36	−13 36.7	2.979	2.124	11.9	21.4	26 E	2*	20*
10 8	14 12.11	−15 26.8	2.996	2.097	9.9	21.3	21 E	—	15*
10 18	14 32.74	−17 13.8	3.004	2.069	7.9	21.2	17 E	—	11*
10 28	14 54.28	−18 56.0	3.002	2.042	5.9	21.1	12 E	—	6*
11 7	15 16.74	−20 31.8	2.991	2.014	3.8	21.0	8 E	—	2*
11 17	15 40.16	−21 59.5	2.972	1.986	1.9	20.8	4 E	—	—
11 27	16 4.51	−23 17.2	2.944	1.959	1.4	20.7	3 W	—	—
12 7	16 29.77	−24 22.9	2.908	1.932	3.1	20.8	6 W	—	—
12 17	16 55.90	−25 14.8	2.866	1.905	5.2	20.8	10 W	—	4*
12 27	17 22.79	−25 51.3	2.817	1.878	7.3	20.8	14 W	1*	7*
1 6	17 50.32	−26 10.8	2.763	1.852	9.4	20.9	18 W	3*	11*
1 16	18 18.35	−26 12.0	2.703	1.827	11.6	20.9	22 W	4*	15*
185702 1998 HK_3									
9 28	13 53.36	−19 19.2	2.240	1.446	19.6	21.4	29 E	—	22*
10 8	14 20.09	−22 56.9	2.232	1.413	18.5	21.3	27 E	—	20*
10 18	14 49.31	−26 25.9	2.221	1.382	17.7	21.3	25 E	—	18*
10 28	15 21.37	−29 40.4	2.207	1.354	17.0	21.2	23 E	—	16*
11 7	15 56.55	−32 32.8	2.193	1.330	16.4	21.1	22 E	—	15*
11 17	16 34.96	−34 54.1	2.179	1.310	16.0	21.0	21 E	—	14*
11 27	17 16.36	−36 34.7	2.169	1.295	15.8	21.0	21 E	—	14*
12 7	18 0.06	−37 25.5	2.162	1.285	15.5	21.0	20 E	—	13*
12 17	18 44.96	−37 20.5	2.161	1.280	15.2	20.9	20 E	—	13*
12 27	19 29.67	−36 17.8	2.167	1.281	14.7	20.9	19 E	—	13*
1 6	20 12.87	−34 20.7	2.180	1.286	14.1	20.9	19 E	—	12*
1 16	20 53.65	−31 36.9	2.201	1.298	13.2	20.9	18 E	—	11*
434313 2004 *GP*									
9 28	14 24.60	− 8 48.9	1.499	0.840	39.3	21.5	32 E	11*	25*
10 8	14 55.29	−12 48.7	1.423	0.757	42.0	21.2	30 E	9*	24*
10 18	15 27.80	−16 57.0	1.316	0.658	47.4	20.9	29 E	8*	23*
10 28	16 1.52	−21 15.4	1.169	0.547	58.0	20.5	28 E	6*	22*
11 7	16 31.34	−25 38.8	0.972	0.435	79.7	20.3	26 E	3*	20*
11 9	16 35.41	−26 29.2	0.927	0.415	86.2	20.4	25 E	2*	19*
11 11	16 38.20	−27 16.8	0.881	0.397	93.8	20.5	24 E	1*	18*
11 13	16 39.30	−27 59.7	0.834	0.382	102.5	20.7	22 E	—	16*
11 15	16 38.27	−28 35.3	0.789	0.370	112.2	21.0	20 E	—	14*
133090 2003 MS_9									
9 28	14 26.16	−14 14.1	3.445	2.671	12.0	21.4	34 E	7*	28*
10 8	14 41.32	−15 22.7	3.477	2.635	10.2	21.4	28 E	5*	22*
10 18	14 57.29	−16 30.2	3.496	2.598	8.2	21.3	22 E	3*	16*
10 28	15 14.03	−17 35.2	3.500	2.560	6.2	21.1	16 E	1*	10*
11 7	15 31.52	−18 36.6	3.490	2.521	4.1	21.0	10 E	—	4*
11 17	15 49.74	−19 33.3	3.465	2.481	1.9	20.8	5 E	—	—
11 27	16 8.66	−20 24.1	3.427	2.441	0.4	20.6	1 W	—	—
12 7	16 28.26	−21 7.9	3.376	2.399	2.6	20.7	6 W	—	—
12 17	16 48.51	−21 43.5	3.311	2.356	4.9	20.8	12 W	3*	3*
12 27	17 9.35	−22 9.9	3.235	2.313	7.2	20.8	17 W	6*	9*

20/21	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
133090 2003 MS_9									*(continuation)*
	h m	° ′			°	m	°	°	°
1 6	17 30.74	−22 26.0	3.147	2.269	9.5	20.8	22 W	8*	14*
1 16	17 52.62	−22 30.9	3.050	2.224	11.8	20.8	27 W	10*	19*
232368 2003 AZ_2									
9 28	14 45.26	− 1 51.7	1.915	1.262	28.3	21.5	37 E	19*	27*
10 8	15 15.43	− 5 21.9	1.909	1.231	27.7	21.4	35 E	18*	25*
10 18	15 47.13	− 8 47.1	1.902	1.202	27.1	21.3	33 E	17*	24*
10 28	16 20.50	−12 2.3	1.896	1.176	26.5	21.2	32 E	16*	22*
11 7	16 55.61	−15 1.6	1.892	1.153	25.8	21.2	30 E	15*	21*
11 17	17 32.49	−17 39.2	1.890	1.133	25.1	21.1	29 E	13*	20*
11 27	18 11.03	−19 48.9	1.890	1.118	24.4	21.1	28 E	12*	19*
12 7	18 50.99	−21 25.1	1.893	1.108	23.7	21.0	27 E	11*	18*
12 17	19 31.99	−22 23.4	1.900	1.103	23.0	21.0	26 E	11*	17*
12 27	20 13.52	−22 41.3	1.909	1.103	22.4	21.0	25 E	10*	16*
1 6	20 55.02	−22 18.3	1.922	1.109	21.8	21.0	25 E	10*	16*
1 16	21 35.99	−21 16.1	1.939	1.120	21.3	21.0	24 E	9*	16*
358629 2007 VN_{166}									
9 28	15 0.43	−16 25.3	2.432	1.821	21.8	21.5	42 E	10*	36*
10 8	15 23.59	−18 19.9	2.463	1.790	20.3	21.4	38 E	9*	32*
10 18	15 48.15	−20 6.1	2.488	1.760	18.7	21.4	34 E	8*	28*
10 28	16 14.13	−21 41.1	2.509	1.732	17.1	21.3	31 E	7*	24*
11 7	16 41.44	−23 2.1	2.525	1.706	15.4	21.2	27 E	6*	21*
11 17	17 10.02	−24 6.3	2.538	1.682	13.7	21.1	24 E	5*	17*
11 27	17 39.71	−24 51.0	2.548	1.660	12.0	21.1	21 E	4*	14*
12 7	18 10.30	−25 13.9	2.555	1.642	10.3	21.0	17 E	3*	10*
12 17	18 41.53	−25 13.5	2.561	1.626	8.6	20.9	14 E	2*	7*
12 27	19 13.11	−24 48.9	2.566	1.614	6.9	20.8	11 E	—	5*
1 6	19 44.73	−24 0.0	2.570	1.604	5.3	20.7	9 E	—	2*
1 16	20 16.12	−22 47.8	2.573	1.599	3.7	20.6	6 E	—	—
319988 2007 *DK*									
9 28	15 7.77	−10 14.7	0.430	0.746	114.1	21.5	43 E	16*	35*
10 3	15 40.14	− 9 47.2	0.372	0.788	114.3	21.3	46 E	20*	38*
10 8	16 19.06	− 8 50.6	0.323	0.833	111.8	20.9	51 E	24*	41*
10 13	17 6.30	− 7 15.9	0.285	0.879	106.4	20.5	58 E	30*	46*
10 18	18 2.21	− 4 57.0	0.260	0.927	97.9	19.9	67 E	37*	51*
10 20	18 26.49	− 3 50.1	0.254	0.946	93.8	19.7	71 E	39*	54*
10 22	18 51.35	− 2 38.6	0.251	0.965	89.5	19.6	76 E	41*	56*
10 24	19 16.38	− 1 24.7	0.251	0.984	85.1	19.4	80 E	43*	57*
10 26	19 41.09	− 0 10.5	0.254	1.003	80.6	19.3	85 E	45*	59*
10 28	20 5.05	+ 1 1.6	0.259	1.023	76.3	19.3	89 E	46	59*
10 30	20 27.93	+ 2 9.8	0.267	1.042	72.2	19.2	93 E	47	60*
11 1	20 49.47	+ 3 12.9	0.277	1.061	68.3	19.2	97 E	48	60*
11 3	21 9.53	+ 4 10.1	0.289	1.080	64.9	19.3	100 E	49	59*
11 5	21 28.06	+ 5 1.4	0.304	1.099	61.7	19.3	103 E	50	59*
11 7	21 45.11	+ 5 47.0	0.320	1.117	58.9	19.4	105 E	51	58*
11 12	22 21.77	+ 7 19.4	0.365	1.164	53.3	19.6	109 E	52	57
11 17	22 51.39	+ 8 28.3	0.418	1.209	49.3	19.9	112 E	53	56
11 22	23 15.71	+ 9 22.1	0.476	1.253	46.5	20.1	113 E	54	55
11 27	23 36.16	+10 6.3	0.538	1.297	44.4	20.4	113 E	55	54
12 2	23 53.76	+10 44.8	0.604	1.339	42.9	20.7	113 E	56	53
12 7	0 9.29	+11 19.8	0.672	1.380	41.7	21.0	111 E	56	53*
12 12	0 23.27	+11 52.8	0.744	1.420	40.8	21.2	110 E	57	52*
12 17	0 36.11	+12 24.8	0.817	1.459	40.0	21.5	108 E	57	51*
344474 2002 PN_{113}									
9 28	15 14.18	−20 22.3	4.090	3.478	12.1	21.5	47 E	9*	41*
10 8	15 25.63	−20 45.9	4.159	3.447	10.6	21.5	39 E	7*	33*
10 18	15 37.83	−21 10.2	4.214	3.415	9.0	21.4	32 E	6*	26*
10 28	15 50.69	−21 34.0	4.252	3.382	7.3	21.3	25 E	4*	19*
11 7	16 4.15	−21 56.2	4.272	3.348	5.4	21.2	19 E	2*	12*
11 17	16 18.12	−22 16.0	4.275	3.313	3.5	21.1	12 E	—	6*
11 27	16 32.54	−22 32.4	4.259	3.278	1.5	20.9	5 E	—	—
12 7	16 47.31	−22 44.5	4.226	3.241	0.5	20.8	2 W	—	—
12 17	17 2.37	−22 51.7	4.174	3.204	2.6	20.9	8 W	—	1*
12 27	17 17.63	−22 53.4	4.105	3.166	4.7	21.0	15 W	4*	7*
1 6	17 32.99	−22 48.9	4.019	3.128	6.7	21.0	22 W	8*	14*
1 16	17 48.37	−22 37.9	3.917	3.088	8.7	21.0	28 W	10*	20*
219527 2001 QK_{142}									
9 28	15 16.22	−20 39.7	2.650	2.101	20.5	21.4	47 E	9*	41*
10 8	15 34.52	−21 51.7	2.668	2.034	19.1	21.3	42 E	8*	36*
10 18	15 54.52	−23 1.2	2.674	1.966	17.6	21.2	37 E	6*	31*
10 28	16 16.26	−24 5.7	2.668	1.898	16.0	21.1	32 E	5*	26*
11 7	16 39.76	−25 2.5	2.652	1.828	14.4	20.9	27 E	4*	21*
11 17	17 5.09	−25 48.7	2.626	1.759	12.7	20.8	23 E	3*	17*
11 27	17 32.26	−26 20.9	2.591	1.689	11.0	20.6	19 E	2*	13*
12 7	18 1.22	−26 35.4	2.548	1.620	9.4	20.4	16 E	1*	9*
12 17	18 31.93	−26 28.4	2.499	1.552	7.8	20.2	12 E	—	6*

20/21	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
		219527 2001 QK_{142}				*(continuation)*			
	h m	° ′			°	m	°	°	°
12 27	19 4.24	−25 56.0	2.446	1.486	6.3	20.0	10 E	—	3*
1 6	19 37.92	−24 54.8	2.392	1.422	5.1	19.8	7 E	—	1*
1 16	20 12.74	−23 21.8	2.338	1.362	4.0	19.6	6 E	—	—
		467984 2012 RM_{42}							
9 28	15 20.28	−15 38.2	2.466	1.924	22.3	21.5	47 E	14*	40*
10 8	15 41.33	−17 21.1	2.491	1.876	21.0	21.4	42 E	12*	36*
10 18	16 4.01	−18 57.7	2.509	1.829	19.6	21.3	38 E	11*	31*
10 28	16 28.32	−20 25.3	2.521	1.784	18.1	21.2	34 E	10*	27*
11 7	16 54.22	−21 41.1	2.527	1.740	16.5	21.1	30 E	9*	23*
11 17	17 21.67	−22 42.2	2.528	1.699	15.0	21.0	26 E	8*	19*
11 27	17 50.57	−23 25.6	2.525	1.661	13.4	20.9	23 E	7*	15*
12 7	18 20.72	−23 48.4	2.519	1.626	11.8	20.8	20 E	6*	12*
12 17	18 51.94	−23 48.5	2.512	1.594	10.2	20.7	17 E	4*	9*
12 27	19 23.91	−23 23.9	2.504	1.567	8.6	20.6	14 E	3*	6*
1 6	19 56.33	−22 34.1	2.496	1.544	7.1	20.5	11 E	1*	4*
1 16	20 28.89	−21 19.2	2.490	1.526	5.7	20.4	9 E	—	2*
		312070 2007 TA_{19}							
9 28	15 49.69	− 6 26.4	0.270	0.866	112.8	20.6	53 E	25*	43*
9 30	16 11.74	− 9 36.0	0.259	0.885	109.4	20.3	57 E	25*	47*
10 2	16 35.46	−12 53.4	0.251	0.904	105.4	20.1	61 E	24*	52*
10 4	17 0.62	−16 11.3	0.247	0.923	101.1	19.9	65 E	23*	57*
10 6	17 26.86	−19 21.4	0.246	0.941	96.5	19.7	69 E	22*	62*
10 8	17 53.68	−22 15.7	0.249	0.959	91.9	19.5	74 E	21*	67*
10 9	18 7.12	−23 34.8	0.251	0.968	89.7	19.5	76 E	20*	69*
10 10	18 20.49	−24 48.0	0.255	0.977	87.4	19.5	78 E	19*	72*
10 11	18 33.71	−25 54.7	0.259	0.986	85.3	19.4	80 E	19*	74*
10 12	18 46.70	−26 54.9	0.264	0.994	83.2	19.4	82 E	18*	76*
10 13	18 59.42	−27 48.5	0.269	1.003	81.2	19.4	83 E	17*	77*
10 14	19 11.81	−28 35.8	0.275	1.011	79.3	19.4	85 E	16*	79*
10 15	19 23.82	−29 16.9	0.281	1.020	77.5	19.4	87 E	16	80*
10 16	19 35.43	−29 52.2	0.289	1.028	75.7	19.4	88 E	15	82*
10 17	19 46.61	−30 22.2	0.296	1.036	74.1	19.4	89 E	15	83*
10 18	19 57.34	−30 47.2	0.304	1.044	72.6	19.4	90 E	14	83*
10 20	20 17.46	−31 24.2	0.321	1.060	69.8	19.5	93 E	14	84*
10 22	20 35.82	−31 46.6	0.340	1.076	67.3	19.6	94 E	13	84*
10 24	20 52.50	−31 57.5	0.360	1.091	65.1	19.7	96 E	13	84
10 26	21 7.64	−31 59.5	0.380	1.106	63.2	19.8	97 E	13	84
10 28	21 21.38	−31 54.5	0.402	1.120	61.5	19.9	98 E	13	84
10 30	21 33.90	−31 44.2	0.424	1.135	60.0	20.0	98 E	13	84
11 1	21 45.32	−31 29.9	0.446	1.148	58.7	20.1	99 E	14	85
11 3	21 55.80	−31 12.5	0.469	1.162	57.5	20.2	99 E	14	85
11 5	22 5.44	−30 52.7	0.493	1.175	56.4	20.3	99 E	14	85
11 7	22 14.35	−30 31.0	0.517	1.188	55.5	20.4	99 E	14	85
11 9	22 22.63	−30 7.9	0.541	1.200	54.6	20.5	99 E	15	86
11 11	22 30.36	−29 43.6	0.565	1.212	53.8	20.5	99 E	15	86
11 13	22 37.62	−29 18.5	0.590	1.224	53.1	20.6	98 E	16	87
11 15	22 44.45	−28 52.6	0.614	1.236	52.4	20.7	98 E	16	87
11 17	22 50.91	−28 26.1	0.639	1.247	51.8	20.8	98 E	17	88
11 22	23 5.76	−27 18.2	0.702	1.273	50.4	21.0	96 E	18	89
11 27	23 19.12	−26 8.4	0.764	1.298	49.3	21.2	95 E	19	89*
12 2	23 31.38	−24 57.6	0.827	1.320	48.2	21.4	93 E	20	86*
12 7	23 42.83	−23 46.1	0.889	1.340	47.3	21.6	91 E	21	83*
		416584 2004 JB_{12}							
9 28	15 52.60	−15 16.1	1.280	1.072	49.5	21.4	54 E	18*	48*
10 3	16 12.67	−16 44.2	1.266	1.064	49.9	21.4	54 E	18*	48*
10 8	16 33.67	−18 6.7	1.254	1.059	50.3	21.4	55 E	18*	48*
10 13	16 55.56	−19 22.1	1.244	1.058	50.6	21.4	55 E	18*	48*
10 18	17 18.30	−20 28.5	1.236	1.061	50.7	21.4	55 E	18*	49*
10 23	17 41.78	−21 24.2	1.232	1.066	50.7	21.4	56 E	18*	49*
10 28	18 5.87	−22 7.6	1.231	1.075	50.5	21.4	57 E	19*	49*
11 2	18 30.41	−22 37.3	1.233	1.087	50.1	21.4	57 E	19*	50*
11 7	18 55.18	−22 52.4	1.240	1.102	49.6	21.4	58 E	20*	50*
11 12	19 19.98	−22 52.6	1.252	1.120	48.9	21.5	59 E	20*	51*
		468448 2003 LS_3							
9 28	15 55.05	−13 2.9	1.865	1.523	32.5	21.4	55 E	20*	47*
10 8	16 20.83	−14 53.4	1.867	1.467	32.1	21.3	51 E	19*	44*
10 18	16 49.06	−16 34.4	1.865	1.415	31.8	21.3	48 E	19*	41*
10 28	17 19.76	−18 1.0	1.860	1.369	31.4	21.2	46 E	18*	38*
11 7	17 52.81	−19 8.1	1.855	1.328	31.0	21.1	44 E	18*	35*
11 17	18 28.01	−19 50.3	1.850	1.295	30.7	21.0	42 E	18*	33*
11 27	19 5.01	−20 3.0	1.849	1.271	30.2	21.0	40 E	18*	31*
12 7	19 43.28	−19 42.7	1.853	1.255	29.7	20.9	39 E	19*	28*
12 17	20 22.22	−18 47.9	1.865	1.249	29.1	20.9	38 E	19*	27*
12 27	21 1.19	−17 19.8	1.885	1.253	28.4	20.9	37 E	20*	25*
1 6	21 39.57	−15 21.8	1.914	1.267	27.5	21.0	37 E	21*	23*
1 16	22 16.95	−12 59.4	1.955	1.291	26.4	21.0	36 E	21*	22*

2020	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
		480854 2001 AO_2							
	h m	° ′			°	m	°	°	°
10 8	1 44.30	−16 9.7	3.747	4.671	5.2	24.7	155 W	29	80
10 18	1 37.10	−16 50.4	3.737	4.650	5.5	24.7	154 W	28	81
10 28	1 29.85	−17 18.1	3.756	4.629	6.5	24.8	148 E	28	81
11 7	1 23.01	−17 30.9	3.803	4.607	7.9	24.9	140 E	27	82
11 17	1 17.02	−17 28.4	3.874	4.585	9.4	25.0	131 E	28	81
		483668 2005 GH_{97}							
10 8	1 48.77	+26 6.9	3.718	4.649	5.0	23.1	156 W	71	38
10 18	1 41.47	+25 46.8	3.698	4.663	3.4	23.0	164 W	71	38
10 28	1 34.13	+25 17.7	3.709	4.676	3.1	23.0	165 E	70	39
11 7	1 27.26	+24 42.1	3.750	4.689	4.3	23.1	159 E	70	39
11 17	1 21.31	+24 3.4	3.821	4.702	6.1	23.2	150 E	69	40
		437905 2001 XU_{30}							
10 8	2 0.32	+ 1 51.1	2.114	3.084	5.4	24.3	163 W	47	62
10 13	1 54.90	+ 1 20.3	2.079	3.062	3.9	24.2	168 W	46	63
10 18	1 49.18	+ 0 50.0	2.053	3.039	3.2	24.1	170 W	46	63
10 23	1 43.27	+ 0 20.8	2.034	3.016	3.7	24.1	169 E	45	64
10 28	1 37.30	− 0 6.5	2.023	2.993	5.1	24.1	165 E	45	64
11 2	1 31.41	− 0 31.2	2.021	2.969	6.9	24.2	159 E	44	65
11 7	1 25.73	− 0 52.6	2.025	2.944	8.7	24.3	153 E	44	65
		307143 2002 CQ_{219}							
10 8	2 0.58	+19 27.7	2.355	3.307	6.2	23.1	159 W	64	45
10 18	1 51.40	+18 57.8	2.309	3.293	3.2	22.9	170 W	64	45
10 28	1 41.78	+18 18.3	2.293	3.279	2.6	22.9	171 E	63	46
11 7	1 32.61	+17 33.3	2.308	3.263	5.5	23.0	162 E	63	46
11 17	1 24.66	+16 47.8	2.351	3.247	8.7	23.2	150 E	62	47
		367789 2011 AG_5							
10 8	2 1.53	+ 5 8.8	0.978	1.956	8.4	23.8	163 W	50	59
10 13	1 53.85	+ 4 14.9	0.959	1.949	5.5	23.6	169 W	49	60
10 18	1 45.67	+ 3 20.4	0.948	1.941	3.7	23.5	173 W	48	61
10 23	1 37.27	+ 2 27.3	0.944	1.932	4.9	23.5	170 E	47	62
10 28	1 28.97	+ 1 37.6	0.946	1.922	7.8	23.7	165 E	47	62
11 2	1 21.04	+ 0 53.0	0.955	1.912	11.1	23.8	158 E	46	63
11 7	1 13.75	+ 0 15.0	0.970	1.901	14.4	23.9	152 E	45	64
		506859 2007 VW_{137}							
10 8	2 9.91	+22 16.5	2.089	3.027	7.9	22.8	156 W	67	42
10 18	1 57.82	+21 30.4	1.993	2.971	4.5	22.5	167 W	67	42
10 28	1 44.48	+20 26.3	1.928	2.913	3.2	22.3	170 E	65	44
11 7	1 31.07	+19 8.5	1.896	2.852	6.4	22.4	161 E	64	45
11 17	1 18.82	+17 44.3	1.896	2.790	10.5	22.5	149 E	63	46
		369454 2010 NZ_1							
10 8	2 10.69	−26 52.3	1.367	2.244	15.7	22.5	142 W	18	89
10 13	2 2.50	−28 25.8	1.366	2.238	16.0	22.5	142 W	17	88
10 18	1 53.83	−29 47.2	1.372	2.231	16.6	22.5	140 W	15	86
10 23	1 44.93	−30 54.7	1.384	2.223	17.5	22.6	138 E	14	85
10 28	1 36.08	−31 47.2	1.402	2.214	18.7	22.6	134 E	13	84
11 2	1 27.54	−32 24.6	1.425	2.204	20.0	22.7	131 E	13	84
11 7	1 19.53	−32 47.1	1.454	2.193	21.3	22.8	126 E	12	83
		491353 2011 YJ_{70}							
10 8	2 15.51	+ 8 13.4	2.339	3.295	6.0	22.6	160 W	53	56
10 18	2 6.89	+ 7 38.7	2.266	3.254	2.7	22.3	171 W	53	56
10 28	1 57.41	+ 7 3.1	2.223	3.212	2.1	22.2	173 E	52	57
11 7	1 47.88	+ 6 30.7	2.212	3.169	5.5	22.4	162 E	52	57
11 17	1 39.15	+ 6 5.5	2.229	3.126	9.1	22.5	150 E	51	58
		452561 2005 AB							
10 8	2 21.34	+ 3 22.0	3.826	4.769	4.4	24.2	158 W	48	61
10 18	2 14.79	+ 2 39.7	3.763	4.740	2.7	24.0	167 W	48	61
10 28	2 7.74	+ 1 59.5	3.731	4.710	2.3	24.0	169 E	47	62
11 7	2 0.66	+ 1 24.2	3.731	4.679	4.0	24.1	161 E	46	63
11 17	1 54.01	+ 0 56.0	3.762	4.648	6.0	24.2	150 E	46	63
		484850 2009 HF_{88}							
10 8	2 28.12	+23 22.7	1.512	2.438	11.3	22.8	152 W	68	41
10 18	2 19.45	+21 22.9	1.407	2.380	6.8	22.4	164 W	66	43
10 28	2 8.87	+18 50.3	1.330	2.320	2.5	22.0	174 E	64	45
11 7	1 57.66	+15 53.1	1.282	2.260	5.4	22.1	168 E	61	48
11 17	1 47.30	+12 45.6	1.265	2.199	11.1	22.2	155 E	58	51
		38239 1999 OR_3							
10 8	2 29.35	+11 54.5	2.092	3.032	7.7	22.8	156 W	57	52
10 13	2 24.26	+11 18.3	2.079	3.044	5.8	22.7	162 W	56	53
10 18	2 18.90	+10 40.7	2.073	3.056	3.8	22.6	168 W	56	53
10 23	2 13.39	+10 2.5	2.075	3.067	1.9	22.4	174 W	55	54

20/21	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
		38239 1999 OR_3				*(continuation)*			
	h m	° ′			°	m	°	°	°
10 28	2 7.86	+ 9 24.6	2.085	3.077	1.2	22.4	176 E	54	55
11 2	2 2.43	+ 8 47.6	2.104	3.088	2.8	22.6	171 E	54	55
11 7	1 57.22	+ 8 12.3	2.130	3.098	4.8	22.7	165 E	53	56
11 12	1 52.34	+ 7 39.4	2.164	3.107	6.6	22.8	159 E	53	56
		68372 2001 PM_9							
10 8	2 42.94	+24 56.5	1.380	2.289	13.4	22.1	148 W	70	39
10 13	2 36.84	+24 29.0	1.351	2.290	11.0	21.9	154 W	69	40
10 18	2 30.08	+23 54.8	1.329	2.291	8.5	21.8	160 W	69	40
10 23	2 22.88	+23 14.1	1.313	2.291	6.1	21.7	166 W	68	41
10 28	2 15.44	+22 27.8	1.304	2.290	4.1	21.5	171 W	67	42
11 2	2 8.01	+21 36.9	1.303	2.289	3.7	21.5	171 E	67	42
11 7	2 0.81	+20 42.9	1.309	2.287	5.3	21.6	168 E	66	43
11 12	1 54.05	+19 47.3	1.322	2.285	7.7	21.7	162 E	65	44
11 17	1 47.92	+18 52.0	1.343	2.282	10.2	21.9	156 E	64	45
11 22	1 42.57	+17 58.4	1.370	2.278	12.6	22.0	150 E	63	46
11 27	1 38.10	+17 8.1	1.403	2.274	14.9	22.2	144 E	62	47
		465210 2007 QF_{10}							
10 8	2 46.73	+19 6.6	1.098	2.025	14.4	21.3	150 W	64	45
10 13	2 42.05	+18 50.2	1.088	2.039	11.6	21.2	156 W	64	45
10 18	2 36.78	+18 29.6	1.084	2.054	8.7	21.1	162 W	63	46
10 23	2 31.10	+18 5.2	1.085	2.069	5.7	21.0	168 W	63	46
10 28	2 25.26	+17 38.2	1.093	2.083	2.8	20.9	174 W	63	46
11 2	2 19.47	+17 9.4	1.107	2.098	1.6	20.8	177 E	62	47
11 7	2 13.94	+16 40.1	1.127	2.113	4.0	21.0	172 E	62	47
11 12	2 8.87	+16 11.4	1.154	2.127	6.7	21.3	165 E	61	48
11 17	2 4.41	+15 44.4	1.188	2.142	9.4	21.4	159 E	61	48
11 22	2 0.70	+15 20.2	1.227	2.156	11.8	21.6	153 E	60	49
11 27	1 57.80	+14 59.5	1.272	2.170	14.1	21.8	148 E	60	49
		429733 2011 LX_{10}							
10 8	2 46.95	+44 59.6	2.859	3.623	11.5	22.4	134 W	90	19
10 13	2 42.03	+45 0.0	2.829	3.633	10.6	22.3	138 W	90	19
10 18	2 36.71	+44 54.6	2.805	3.642	9.7	22.3	142 W	90	19
10 23	2 31.11	+44 43.1	2.787	3.651	8.9	22.2	146 W	90	19
10 28	2 25.35	+44 25.6	2.776	3.660	8.2	22.2	149 W	89	20
11 2	2 19.57	+44 2.2	2.771	3.668	7.6	22.2	151 E	89	20
11 7	2 13.91	+43 33.3	2.774	3.676	7.3	22.2	152 E	89	20
11 12	2 8.48	+42 59.4	2.783	3.684	7.3	22.2	152 E	88	21
11 17	2 3.42	+42 21.2	2.800	3.692	7.6	22.2	150 E	87	22
11 22	1 58.81	+41 39.6	2.824	3.699	8.1	22.3	148 E	87	22
11 27	1 54.74	+40 55.6	2.855	3.706	8.8	22.3	145 E	86	23
		420262 2011 KD_{11}							
10 8	2 47.22	+44 16.3	0.811	1.670	25.3	21.9	134 W	89	20
10 13	2 43.15	+44 34.3	0.758	1.643	23.8	21.7	138 W	90	19
10 18	2 37.44	+44 38.8	0.707	1.615	22.2	21.5	142 W	90	19
10 23	2 30.14	+44 26.1	0.661	1.586	20.6	21.2	146 W	89	20
10 28	2 21.43	+43 52.6	0.618	1.557	19.1	21.0	149 W	89	20
11 2	2 11.62	+42 54.8	0.580	1.527	18.0	20.8	152 E	88	21
11 7	2 1.13	+41 29.6	0.546	1.497	17.7	20.6	153 E	86	23
11 12	1 50.54	+39 35.4	0.516	1.467	18.3	20.4	152 E	85	24
11 17	1 40.46	+37 12.5	0.492	1.436	20.2	20.3	150 E	82	27
11 22	1 31.47	+34 23.8	0.472	1.404	23.1	20.3	146 E	79	30
11 27	1 24.03	+31 14.5	0.457	1.373	26.7	20.3	141 E	76	33
12 2	1 18.40	+27 50.8	0.445	1.341	30.9	20.3	136 E	73	36
12 7	1 14.71	+24 19.3	0.438	1.309	35.3	20.3	130 E	69	40
12 12	1 12.98	+20 46.3	0.434	1.277	39.8	20.4	124 E	66	43
12 17	1 13.16	+17 17.0	0.432	1.246	44.3	20.5	118 E	62	47
12 22	1 15.14	+13 55.0	0.431	1.214	48.6	20.5	112 E	59	50*
12 27	1 18.74	+10 42.4	0.432	1.183	52.7	20.6	107 E	56	53*
1 1	1 23.78	+ 7 39.3	0.433	1.152	56.7	20.6	102 E	53	55*
1 6	1 30.10	+ 4 45.3	0.435	1.122	60.4	20.7	97 E	50	57*
1 11	1 37.54	+ 1 59.2	0.435	1.093	64.0	20.8	93 E	47	58*
1 16	1 45.98	− 0 40.6	0.435	1.066	67.3	20.8	89 E	44	59*
		170086 2002 XR_{14}							
10 8	2 49.22	+14 6.0	1.938	2.852	9.9	22.4	151 W	59	50
10 18	2 38.49	+13 15.6	1.850	2.819	5.8	22.0	163 W	58	51
10 28	2 25.92	+12 16.1	1.792	2.784	1.4	21.7	176 W	57	52
11 7	2 12.60	+11 12.4	1.766	2.747	3.7	21.8	170 E	56	53
11 17	1 59.78	+10 10.7	1.772	2.708	8.4	22.0	157 E	55	54
11 27	1 48.68	+ 9 17.9	1.807	2.666	12.7	22.2	144 E	54	55
		96536 1998 SO_{10}							
10 8	2 49.98	− 0 16.5	3.155	4.055	6.9	21.5	151 W	45	64
10 18	2 41.61	− 1 42.9	3.116	4.064	5.0	21.3	159 W	43	66
10 28	2 32.48	− 3 4.0	3.110	4.071	4.1	21.3	163 W	42	67
11 7	2 23.18	− 4 15.2	3.138	4.076	5.1	21.4	159 E	41	68
11 17	2 14.34	− 5 13.0	3.197	4.080	7.1	21.5	149 E	40	69
11 27	2 6.51	− 5 55.1	3.286	4.083	9.1	21.6	139 E	39	70

2020	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
		423399 2005 LX_9							
	h m	° ′			°	m	°	°	°
10 8	2 52.32	+ 5 28.0	2.031	2.944	9.5	21.7	151 W	50	59
10 18	2 43.92	+ 4 36.8	1.993	2.954	6.2	21.5	161 W	50	59
10 28	2 34.33	+ 3 48.3	1.983	2.964	3.7	21.4	169 W	49	60
11 7	2 24.47	+ 3 7.8	2.003	2.973	4.8	21.5	166 E	48	61
11 17	2 15.27	+ 2 39.2	2.052	2.980	7.9	21.7	156 E	48	61
11 27	2 7.58	+ 2 25.5	2.129	2.987	11.1	21.9	144 E	47	62
		380199 2000 YQ_{29}							
10 8	2 52.93	− 2 9.6	3.096	3.989	7.3	21.9	149 W	43	66
10 18	2 45.86	− 2 58.6	3.059	3.999	5.4	21.8	158 W	42	67
10 28	2 37.98	− 3 41.1	3.052	4.008	4.4	21.7	162 W	41	68
11 7	2 29.88	− 4 13.5	3.075	4.016	5.1	21.8	159 E	41	68
11 17	2 22.14	− 4 33.5	3.129	4.023	6.8	21.9	151 E	40	69
11 27	2 15.31	− 4 39.8	3.210	4.029	8.8	22.1	142 E	40	69
		382486 2001 CX_{19}							
10 8	2 55.00	+51 48.5	2.883	3.583	12.7	21.8	128 W	83	12
10 13	2 49.80	+52 6.0	2.849	3.588	12.0	21.8	131 W	83	12
10 18	2 44.04	+52 17.2	2.820	3.593	11.3	21.7	135 W	83	12
10 23	2 37.83	+52 21.8	2.797	3.598	10.7	21.7	138 W	83	12
10 28	2 31.34	+52 19.3	2.780	3.603	10.1	21.7	141 W	83	12
11 2	2 24.72	+52 9.8	2.768	3.607	9.6	21.6	143 E	83	12
11 7	2 18.15	+51 53.2	2.763	3.611	9.3	21.6	144 E	83	12
11 12	2 11.79	+51 30.1	2.765	3.615	9.2	21.6	144 E	83	12
11 17	2 5.79	+51 0.9	2.773	3.619	9.3	21.6	144 E	84	13
11 22	2 0.31	+50 26.4	2.787	3.622	9.5	21.6	143 E	85	14
11 27	1 55.44	+49 47.7	2.808	3.626	9.9	21.7	141 E	85	14
		382760 2003 NY							
10 8	2 58.32	+25 47.7	2.597	3.459	9.7	22.0	144 W	71	38
10 18	2 50.43	+25 25.0	2.515	3.447	6.9	21.8	156 W	70	39
10 28	2 41.17	+24 49.1	2.460	3.433	4.0	21.6	166 W	70	39
11 7	2 31.34	+24 1.5	2.435	3.418	2.5	21.5	171 E	69	40
11 17	2 21.77	+23 5.7	2.442	3.402	4.7	21.6	164 E	68	41
11 27	2 13.33	+22 6.8	2.479	3.385	7.7	21.8	152 E	67	42
		509608 2008 ES_{91}							
10 8	2 59.51	−16 10.7	2.125	2.977	11.9	22.0	142 W	29	80
10 13	2 55.62	−16 47.0	2.104	2.975	11.2	22.0	145 W	28	81
10 18	2 51.28	−17 19.1	2.088	2.972	10.6	21.9	147 W	28	81
10 23	2 46.58	−17 46.0	2.079	2.969	10.3	21.9	148 W	27	82
10 28	2 41.65	−18 6.9	2.077	2.965	10.3	21.9	148 W	27	82
11 2	2 36.59	−18 21.2	2.081	2.962	10.6	21.9	147 W	27	82
11 7	2 31.53	−18 28.4	2.091	2.958	11.1	21.9	145 E	27	82
11 12	2 26.58	−18 28.4	2.108	2.954	11.8	22.0	142 E	27	82
11 17	2 21.88	−18 21.0	2.130	2.950	12.7	22.0	139 E	27	82
11 22	2 17.52	−18 6.5	2.158	2.945	13.6	22.1	135 E	27	82
11 27	2 13.60	−17 45.2	2.192	2.940	14.6	22.2	132 E	27	82
12 2	2 10.19	−17 17.8	2.230	2.935	15.5	22.2	127 E	28	81
		139211 2001 GN_2							
10 8	3 1.84	−10 1.6	1.462	2.348	14.3	21.5	145 W	35	74
10 13	2 57.87	−11 35.0	1.425	2.330	13.3	21.4	148 W	33	76
10 18	2 53.14	−13 7.3	1.396	2.311	12.6	21.3	150 W	32	77
10 23	2 47.78	−14 36.4	1.373	2.291	12.4	21.2	150 W	30	79
10 28	2 41.89	−16 0.0	1.356	2.271	12.7	21.2	150 W	29	80
11 2	2 35.66	−17 16.1	1.347	2.250	13.5	21.2	148 W	28	81
11 7	2 29.25	−18 22.9	1.344	2.229	14.8	21.2	145 E	27	82
11 12	2 22.86	−19 19.0	1.347	2.208	16.3	21.2	141 E	26	83
11 17	2 16.69	−20 3.5	1.355	2.185	18.0	21.3	137 E	25	84
11 22	2 10.94	−20 35.8	1.369	2.163	19.7	21.3	133 E	24	85
11 27	2 5.78	−20 56.2	1.387	2.140	21.3	21.4	128 E	24	85
12 2	2 1.33	−21 5.2	1.409	2.116	22.9	21.5	123 E	24	85
		478997 2012 XU_{134}							
10 8	3 3.23	− 2 24.6	1.642	2.538	12.4	21.4	147 W	43	66
10 13	2 58.55	− 2 23.4	1.592	2.516	10.8	21.3	152 W	43	66
10 18	2 53.12	− 2 19.5	1.548	2.493	9.2	21.1	157 W	43	66
10 23	2 47.04	− 2 12.1	1.510	2.471	7.7	21.0	160 W	43	66
10 28	2 40.44	− 2 0.3	1.480	2.448	6.8	20.9	163 W	43	66
11 2	2 33.45	− 1 43.8	1.457	2.425	6.7	20.8	164 W	43	66
11 7	2 26.26	− 1 22.0	1.442	2.402	7.5	20.8	161 E	44	65
11 12	2 19.06	− 0 54.7	1.434	2.379	9.1	20.9	158 E	44	65
11 17	2 12.04	− 0 21.8	1.433	2.356	11.0	20.9	153 E	45	64
11 22	2 5.40	+ 0 16.5	1.439	2.333	13.2	21.0	147 E	45	64
11 27	1 59.31	+ 1 0.1	1.451	2.309	15.3	21.1	142 E	46	63
12 2	1 53.90	+ 1 48.3	1.469	2.286	17.3	21.1	136 E	47	62
12 7	1 49.26	+ 2 40.8	1.492	2.262	19.3	21.2	131 E	48	61
12 12	1 45.49	+ 3 37.1	1.520	2.239	21.0	21.3	125 E	49	60
12 17	1 42.60	+ 4 36.6	1.551	2.215	22.6	21.4	120 E	50	59
12 22	1 40.63	+ 5 39.1	1.586	2.191	24.0	21.4	115 E	51	58
12 27	1 39.57	+ 6 44.1	1.623	2.167	25.2	21.5	110 E	52	57*