21/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
		492478 2014 NB_{39}							
	h m	° ′			°	m	°	°	°
3 7	22 10.73	− 2 55.9	1.722	0.805	18.5	21.4	15 W	6*	6*
3 12	22 36.89	− 1 1.1	1.677	0.744	17.5	21.1	13 W	5*	4*
3 17	23 4.70	+ 0 59.5	1.637	0.685	15.7	20.8	11 W	3*	2*
3 22	23 34.23	+ 3 3.4	1.602	0.631	12.7	20.5	8 W	1*	—
3 27	0 5.51	+ 5 6.9	1.572	0.585	8.7	20.1	5 W	—	—
4 1	0 38.44	+ 7 5.7	1.546	0.550	5.0	19.8	3 W	—	—
4 6	1 12.78	+ 8 55.3	1.523	0.530	8.0	19.8	4 E	—	—
4 11	1 48.08	+10 31.6	1.502	0.527	15.0	20.0	8 E	1*	—
4 16	2 23.76	+11 51.6	1.485	0.543	22.3	20.3	12 E	3*	4*
4 21	2 59.26	+12 53.8	1.472	0.574	28.4	20.6	16 E	6*	8*
4 26	3 34.10	+13 38.4	1.465	0.617	33.1	20.9	20 E	8*	11*
5 1	4 7.92	+14 5.9	1.467	0.669	36.2	21.1	23 E	9*	15*
5 6	4 40.47	+14 17.7	1.478	0.727	37.9	21.4	26 E	10*	18*
		339148 2004 TT_{9}							
3 7	22 49.10	+ 5 59.5	3.569	2.609	4.7	21.5	12 W	6*	—
3 17	23 5.81	+ 7 6.6	3.518	2.560	5.1	21.4	13 W	7*	—
3 27	23 22.82	+ 8 17.9	3.453	2.509	6.3	21.4	16 W	9*	5*
4 6	23 40.17	+ 9 31.9	3.376	2.459	8.0	21.4	20 W	10*	10*
4 16	23 57.87	+10 47.8	3.287	2.407	9.8	21.3	24 W	11*	15*
4 26	0 15.96	+12 4.0	3.187	2.354	11.8	21.3	29 W	13*	20*
5 6	0 34.48	+13 19.3	3.077	2.301	13.9	21.2	33 W	15*	24*
5 16	0 53.49	+14 32.2	2.958	2.248	16.0	21.2	38 W	17*	28*
5 26	1 13.04	+15 41.1	2.832	2.193	18.1	21.1	42 W	19*	32*
6 5	1 33.20	+16 44.0	2.700	2.139	20.3	21.0	47 W	22*	35*
6 15	1 54.02	+17 39.0	2.562	2.084	22.4	20.9	51 W	25*	37*
6 25	2 15.56	+18 23.5	2.420	2.029	24.4	20.8	56 W	29*	39*
7 5	2 37.87	+18 54.9	2.276	1.975	26.5	20.7	60 W	34*	41*
7 15	3 0.99	+19 10.1	2.131	1.920	28.5	20.5	64 W	38*	42*
7 25	3 24.91	+19 5.5	1.987	1.867	30.4	20.4	68 W	43*	43*
7 30	3 37.18	+18 54.5	1.915	1.840	31.3	20.3	70 W	45*	43*
8 4	3 49.64	+18 37.0	1.844	1.814	32.2	20.2	72 W	47*	44*
8 9	4 2.29	+18 12.5	1.774	1.788	33.1	20.1	74 W	49*	45*
8 14	4 15.10	+17 40.3	1.706	1.763	33.9	20.0	76 W	50*	45*
8 19	4 28.07	+16 59.9	1.638	1.737	34.7	19.9	78 W	52*	46*
8 24	4 41.19	+16 10.7	1.573	1.713	35.5	19.8	80 W	53*	47*
8 29	4 54.42	+15 12.1	1.509	1.689	36.3	19.7	82 W	54*	48*
9 3	5 7.75	+14 3.7	1.447	1.665	37.0	19.6	83 W	54*	49*
9 8	5 21.15	+12 44.8	1.388	1.642	37.7	19.5	85 W	54*	51*
9 13	5 34.57	+11 15.2	1.331	1.620	38.3	19.4	87 W	54*	52*
9 23	6 1.39	+ 7 42.9	1.225	1.578	39.5	19.2	90 W	52*	56*
10 3	6 27.94	+ 3 26.7	1.133	1.539	40.5	19.0	92 W	48*	60*
10 13	6 53.87	− 1 29.8	1.054	1.505	41.4	18.8	94 W	44	65*
10 18	7 6.51	− 4 10.6	1.020	1.490	41.7	18.7	95 W	41	68*
10 23	7 18.88	− 6 58.1	0.989	1.476	42.1	18.7	96 W	38	70*
10 28	7 30.94	− 9 50.5	0.962	1.463	42.4	18.6	97 W	35	73*
11 2	7 42.64	−12 46.1	0.938	1.452	42.6	18.5	98 W	32	76*
11 7	7 53.93	−15 42.7	0.918	1.443	42.9	18.5	98 W	29	80*
11 12	8 4.76	−18 38.3	0.900	1.434	43.0	18.4	99 W	26	83*
11 17	8 15.09	−21 30.8	0.885	1.428	43.1	18.4	99 W	23	86
11 22	8 24.88	−24 18.3	0.871	1.423	43.2	18.3	100 W	21	88
11 27	8 34.08	−26 59.4	0.860	1.420	43.2	18.3	100 W	18	89
12 2	8 42.62	−29 32.2	0.851	1.418	43.1	18.3	101 W	15	86
12 7	8 50.43	−31 55.5	0.842	1.418	42.9	18.2	101 W	13	84
12 12	8 57.46	−34 7.7	0.834	1.420	42.7	18.2	102 W	11	82
12 17	9 3.68	−36 7.8	0.827	1.423	42.3	18.2	103 W	9	80
12 22	9 9.02	−37 54.9	0.820	1.428	41.9	18.2	104 W	7	78
12 27	9 13.44	−39 28.0	0.813	1.435	41.3	18.2	106 W	6	77
1 1	9 16.90	−40 45.9	0.807	1.443	40.7	18.1	107 W	4	75
1 6	9 19.40	−41 47.6	0.800	1.453	39.9	18.1	109 W	3	74
1 11	9 20.96	−42 31.6	0.793	1.464	39.0	18.1	111 W	2	73
1 16	9 21.66	−42 57.1	0.786	1.477	37.9	18.0	113 W	2	73
1 21	9 21.60	−43 3.0	0.780	1.491	36.8	18.0	115 W	2	73
		519824 2013 JY_{35}							
3 7	22 54.37	+ 6 49.2	1.857	0.916	13.9	21.2	13 W	5*	—
3 12	23 15.68	+ 7 44.1	1.801	0.852	13.6	21.0	12 W	4*	—
3 17	23 38.49	+ 8 36.6	1.745	0.786	13.0	20.8	10 W	3*	—
3 22	0 2.96	+ 9 24.2	1.689	0.721	12.3	20.5	9 W	1*	—
3 27	0 29.27	+10 4.0	1.631	0.656	11.8	20.2	8 E	1*	—
4 1	0 57.54	+10 32.8	1.572	0.594	12.4	19.9	7 E	1*	—
4 6	1 27.83	+10 46.7	1.509	0.539	15.6	19.7	8 E	2*	—
4 11	2 0.03	+10 42.6	1.442	0.494	22.2	19.6	11 E	3*	2*
4 16	2 33.78	+10 19.3	1.369	0.466	31.8	19.7	14 E	4*	7*
4 21	3 8.49	+ 9 39.0	1.290	0.460	43.1	19.8	18 E	5*	11*
4 26	3 43.62	+ 8 48.1	1.208	0.476	54.2	20.1	23 E	6*	16*
5 1	4 18.97	+ 7 53.4	1.129	0.512	63.2	20.4	27 E	7*	20*
5 6	4 54.73	+ 7 0.1	1.057	0.562	69.6	20.6	32 E	8*	25*
5 11	5 31.18	+ 6 10.2	0.996	0.621	73.2	20.8	36 E	9*	29*
5 16	6 8.46	+ 5 23.6	0.950	0.685	74.5	21.0	41 E	10*	34*

21/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
		519824 2013 JY_{35} *(continuation)*							
	h m	° ′			°	m	°	°	°
5 21	6 46.34	+ 4 39.6	0.919	0.750	73.9	21.1	45 E	12*	38*
5 26	7 24.25	+ 3 57.2	0.905	0.815	71.9	21.2	50 E	14*	43*
5 31	8 1.40	+ 3 15.9	0.907	0.880	69.1	21.2	54 E	15*	46*
6 5	8 37.00	+ 2 35.4	0.925	0.944	65.7	21.3	58 E	17*	50*
6 10	9 10.40	+ 1 55.9	0.956	1.006	62.2	21.4	61 E	18*	53*
		100756 1998 FM_{5}							
3 7	23 4.07	− 4 8.3	3.825	2.834	0.7	21.5	2 W	—	—
3 17	23 18.30	− 2 53.5	3.772	2.788	2.6	21.6	7 W	—	1*
3 27	23 32.75	− 1 36.2	3.702	2.740	4.8	21.6	13 W	—	7*
4 6	23 47.42	− 0 17.0	3.616	2.691	7.0	21.7	19 W	2*	13*
4 16	0 2.31	+ 1 3.4	3.515	2.640	9.2	21.7	25 W	4*	19*
		530573 2011 QG_{95}							
3 7	23 9.78	− 3 4.9	2.625	1.634	1.4	21.5	2 E	—	—
3 17	23 35.29	− 0 4.9	2.626	1.633	1.9	21.5	3 W	—	—
3 27	0 0.70	+ 2 56.0	2.625	1.635	3.4	21.6	6 W	—	—
4 6	0 26.08	+ 5 55.2	2.623	1.639	5.1	21.7	8 W	—	2*
4 16	0 51.51	+ 8 50.2	2.619	1.646	6.7	21.8	11 W	1*	4*
		458734 2011 OC_{3}							
3 7	23 18.65	− 7 8.8	2.816	1.825	1.5	21.5	3 E	—	—
3 17	23 41.94	− 4 56.0	2.842	1.850	2.0	21.5	4 W	—	—
3 27	0 4.66	− 2 44.4	2.862	1.875	3.7	21.7	7 W	—	—
4 6	0 26.87	− 0 35.5	2.876	1.902	5.6	21.8	11 W	—	4*
4 16	0 48.62	+ 1 29.3	2.883	1.928	7.5	22.0	15 W	—	8*
		334012 2000 VF_{12}							
3 7	23 18.93	− 8 57.3	3.500	2.511	1.7	21.4	4 E	—	—
3 17	23 35.72	− 7 5.2	3.457	2.470	2.5	21.4	6 W	—	—
3 27	23 52.76	− 5 10.3	3.402	2.429	4.4	21.5	11 W	—	4*
4 6	0 10.06	− 3 13.3	3.336	2.387	6.5	21.5	16 W	—	9*
4 16	0 27.65	− 1 14.6	3.259	2.345	8.6	21.5	20 W	—	14*
4 26	0 45.54	+ 0 44.8	3.173	2.303	10.7	21.5	25 W	—	19*
5 6	1 3.77	+ 2 44.4	3.078	2.260	12.8	21.5	30 W	2*	24*
5 16	1 22.39	+ 4 43.4	2.977	2.218	14.9	21.4	34 W	5*	28*
5 26	1 41.42	+ 6 41.0	2.868	2.175	17.0	21.4	39 W	8*	32*
6 5	2 0.92	+ 8 36.5	2.755	2.133	19.0	21.3	43 W	11*	36*
6 15	2 20.91	+10 28.9	2.638	2.090	21.0	21.2	48 W	16*	39*
6 25	2 41.44	+12 17.2	2.517	2.049	22.9	21.2	52 W	21*	41*
7 5	3 2.53	+14 0.6	2.395	2.008	24.8	21.1	56 W	26*	42*
7 15	3 24.21	+15 38.0	2.272	1.967	26.5	20.9	60 W	32*	43*
7 25	3 46.46	+17 8.4	2.148	1.928	28.2	20.8	64 W	38*	43*
8 4	4 9.28	+18 31.1	2.025	1.890	29.8	20.7	68 W	44*	43*
8 14	4 32.61	+19 45.0	1.903	1.854	31.3	20.6	72 W	49*	42*
8 24	4 56.36	+20 49.4	1.784	1.819	32.6	20.4	76 W	54*	42*
9 3	5 20.45	+21 44.2	1.667	1.786	33.7	20.3	80 W	59*	41*
9 13	5 44.67	+22 29.1	1.554	1.756	34.7	20.1	84 W	63*	41*
9 23	6 8.84	+23 4.9	1.444	1.728	35.5	19.9	88 W	66*	40*
10 3	6 32.71	+23 32.5	1.339	1.703	36.0	19.8	92 W	68*	40*
10 13	6 55.93	+23 53.9	1.239	1.681	36.1	19.6	97 W	69	40*
10 23	7 18.14	+24 12.0	1.145	1.662	35.9	19.4	102 W	69	40*
11 2	7 38.91	+24 30.2	1.056	1.648	35.2	19.1	107 W	70	39*
11 12	7 57.69	+24 52.9	0.974	1.637	33.9	18.9	113 W	70	39
11 22	8 13.90	+25 24.8	0.899	1.630	31.9	18.7	119 W	70	39
12 2	8 26.88	+26 10.3	0.832	1.627	29.1	18.4	127 W	71	38
12 12	8 35.90	+27 12.2	0.776	1.628	25.4	18.2	135 W	72	37
12 17	8 38.76	+27 49.2	0.753	1.630	23.2	18.0	139 W	73	36
12 22	8 40.45	+28 29.6	0.733	1.633	20.8	17.9	144 W	73	36
12 27	8 40.96	+29 12.4	0.716	1.638	18.3	17.8	148 W	74	35
1 1	8 40.31	+29 56.3	0.704	1.643	15.6	17.7	153 W	75	34
1 6	8 38.60	+30 39.7	0.696	1.649	12.9	17.6	158 W	76	33
1 11	8 36.00	+31 20.5	0.692	1.656	10.5	17.5	162 W	76	33
1 16	8 32.72	+31 56.8	0.693	1.664	8.5	17.4	166 W	77	32
1 21	8 29.05	+32 27.1	0.700	1.673	7.6	17.4	167 W	77	32
		412550 2014 NL_{25}							
3 7	23 21.28	− 6 29.6	2.963	1.973	1.5	21.4	3 E	—	—
3 17	23 42.58	− 4 26.5	2.996	2.003	1.6	21.5	3 W	—	—
3 27	0 3.32	− 2 25.1	3.021	2.034	3.4	21.7	7 W	—	1*
4 6	0 23.55	− 0 26.6	3.037	2.064	5.4	21.8	11 W	—	5*
4 16	0 43.32	+ 1 27.7	3.043	2.095	7.4	22.0	16 W	—	10*
		363091 2000 SF_{102}							
3 7	23 47.33	− 0 42.2	2.532	1.567	6.6	21.5	10 E	4*	—
3 17	0 14.41	+ 2 9.6	2.565	1.585	4.9	21.5	8 E	1*	—
3 27	0 41.13	+ 4 57.2	2.598	1.607	3.2	21.4	5 E	—	—
4 6	1 7.56	+ 7 37.8	2.631	1.632	1.5	21.4	2 E	—	—
4 16	1 33.73	+10 9.5	2.663	1.659	0.4	21.3	1 W	—	—

2021	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
		65733 1993 *PC*							
	h m	° ′			°	m	°	°	°
3 7	23 49.21	+ 0 6.9	2.365	1.405	7.9	21.5	11 E	5*	—
3 17	0 14.13	+ 2 58.4	2.324	1.347	6.0	21.3	8 E	2*	—
3 27	0 40.40	+ 5 56.7	2.273	1.283	4.3	21.0	6 E	—	—
4 6	1 8.44	+ 9 0.3	2.212	1.214	2.9	20.7	3 E	—	—
4 16	1 38.79	+12 7.3	2.142	1.140	1.9	20.5	2 E	—	—
4 26	2 12.05	+15 13.9	2.066	1.061	1.8	20.2	2 W	—	—
5 1	2 30.02	+16 45.3	2.026	1.020	1.8	20.1	2 W	—	—
5 6	2 49.01	+18 14.2	1.985	0.977	2.0	20.0	2 W	—	—
5 11	3 9.15	+19 39.3	1.944	0.935	2.1	19.8	2 W	—	—
5 16	3 30.55	+20 58.8	1.901	0.892	2.2	19.7	2 W	—	—
5 21	3 53.29	+22 10.8	1.859	0.849	2.6	19.6	2 E	—	—
5 26	4 17.46	+23 13.0	1.817	0.806	3.3	19.5	3 E	—	—
5 31	4 43.12	+24 2.5	1.774	0.765	4.6	19.4	3 E	—	—
6 5	5 10.25	+24 36.4	1.732	0.726	6.6	19.3	5 E	—	—
6 10	5 38.79	+24 51.4	1.690	0.690	9.3	19.3	6 E	—	—
6 15	6 8.56	+24 44.4	1.648	0.659	12.7	19.2	8 E	—	1*
6 20	6 39.30	+24 12.9	1.606	0.634	16.8	19.2	10 E	1*	3*
6 25	7 10.66	+23 15.2	1.564	0.616	21.5	19.3	13 E	2*	5*
6 30	7 42.24	+21 50.9	1.523	0.607	26.5	19.3	15 E	3*	8*
7 5	8 13.67	+20 1.4	1.484	0.608	31.6	19.4	18 E	3*	11*
7 10	8 44.61	+17 49.0	1.446	0.618	36.3	19.5	21 E	4*	14*
7 15	9 14.84	+15 17.6	1.413	0.637	40.5	19.7	24 E	4*	17*
7 20	9 44.23	+12 31.2	1.384	0.663	43.9	19.8	27 E	5*	20*
7 25	10 12.73	+ 9 34.4	1.361	0.694	46.5	19.9	30 E	5*	23*
7 30	10 40.36	+ 6 31.4	1.344	0.731	48.2	20.1	32 E	6*	26*
8 4	11 7.16	+ 3 26.4	1.335	0.770	49.1	20.2	35 E	6*	29*
8 9	11 33.18	+ 0 23.1	1.334	0.812	49.4	20.3	37 E	6*	31*
8 14	11 58.46	− 2 35.3	1.340	0.854	49.1	20.4	40 E	7*	34*
8 19	12 23.03	− 5 25.9	1.353	0.897	48.4	20.5	42 E	7*	36*
8 24	12 46.91	− 8 6.5	1.372	0.940	47.5	20.6	43 E	7*	37*
8 29	13 10.13	−10 35.6	1.398	0.983	46.3	20.7	45 E	7*	39*
9 3	13 32.72	−12 52.4	1.429	1.025	44.9	20.8	46 E	8*	40*
9 8	13 54.69	−14 56.2	1.465	1.066	43.5	20.9	47 E	8*	41*
9 13	14 16.05	−16 47.1	1.505	1.106	42.0	21.0	47 E	8*	41*
9 18	14 36.82	−18 25.3	1.548	1.145	40.4	21.1	48 E	8*	42*
9 23	14 57.00	−19 51.3	1.595	1.183	38.9	21.2	48 E	9*	42*
9 28	15 16.63	−21 5.6	1.644	1.219	37.4	21.3	48 E	9*	42*
10 3	15 35.72	−22 9.1	1.695	1.254	35.9	21.4	47 E	9*	41*
10 8	15 54.30	−23 2.4	1.748	1.288	34.4	21.5	47 E	9*	41*
		162980 2001 RR_{17}							
3 7	23 53.39	− 2 46.6	3.214	2.249	4.9	21.4	11 E	4*	3*
3 17	0 10.35	− 1 43.9	3.216	2.229	2.7	21.3	6 E	—	—
3 27	0 27.56	− 0 40.6	3.202	2.206	1.5	21.1	3 E	—	—
4 6	0 45.04	+ 0 22.3	3.171	2.181	3.2	21.2	7 W	—	—
4 16	1 2.85	+ 1 23.6	3.124	2.152	5.5	21.3	12 W	—	5*
4 26	1 21.01	+ 2 22.1	3.062	2.121	8.0	21.3	17 W	—	11*
5 6	1 39.60	+ 3 16.6	2.987	2.087	10.5	21.3	22 W	—	16*
5 16	1 58.67	+ 4 5.8	2.898	2.049	12.9	21.3	27 W	—	21*
5 26	2 18.29	+ 4 48.2	2.798	2.009	15.4	21.3	32 W	—	26*
6 5	2 38.54	+ 5 22.5	2.688	1.966	17.8	21.2	36 W	3*	30*
6 15	2 59.51	+ 5 46.9	2.569	1.920	20.3	21.2	41 W	6*	35*
6 25	3 21.29	+ 5 59.6	2.443	1.870	22.7	21.1	45 W	9*	38*
7 5	3 44.00	+ 5 58.6	2.311	1.818	25.0	21.0	49 W	13*	42*
7 15	4 7.78	+ 5 41.6	2.177	1.762	27.4	20.8	53 W	17*	44*
7 25	4 32.73	+ 5 6.2	2.041	1.704	29.8	20.7	56 W	21*	47*
8 4	4 59.06	+ 4 10.1	1.906	1.642	32.2	20.5	59 W	25*	49*
8 14	5 26.94	+ 2 50.6	1.774	1.577	34.6	20.4	62 W	28*	51*
8 24	5 56.58	+ 1 5.9	1.648	1.509	37.0	20.2	64 W	30*	52*
9 3	6 28.27	− 1 5.1	1.530	1.438	39.6	20.0	65 W	31*	53*
9 13	7 2.28	− 3 42.0	1.423	1.365	42.2	19.8	66 W	31*	54*
9 18	7 20.26	− 5 9.1	1.375	1.327	43.6	19.7	66 W	31*	54*
9 23	7 38.94	− 6 41.1	1.330	1.289	45.0	19.6	65 W	30*	54*
9 28	7 58.37	− 8 16.9	1.289	1.251	46.4	19.5	65 W	30*	54*
10 3	8 18.59	− 9 55.2	1.252	1.213	47.9	19.4	64 W	29*	54*
10 8	8 39.63	−11 34.5	1.219	1.174	49.3	19.3	63 W	28*	53*
10 13	9 1.51	−13 12.7	1.190	1.135	50.8	19.2	62 W	26*	52*
10 18	9 24.25	−14 47.6	1.166	1.097	52.1	19.2	60 W	25*	51*
10 23	9 47.86	−16 17.1	1.147	1.059	53.4	19.1	59 W	24*	50*
10 28	10 12.31	−17 38.8	1.132	1.022	54.7	19.0	57 W	23*	48*
11 2	10 37.57	−18 50.5	1.121	0.986	55.7	18.9	55 W	22*	47*
11 7	11 3.56	−19 50.2	1.115	0.951	56.6	18.9	53 W	21*	45*
11 12	11 30.20	−20 35.9	1.114	0.919	57.3	18.8	51 W	20*	43*
11 17	11 57.36	−21 6.6	1.116	0.889	57.8	18.8	49 W	20*	41*
11 22	12 24.91	−21 21.4	1.123	0.862	57.9	18.7	48 W	19*	39*
11 27	12 52.72	−21 20.4	1.133	0.838	57.8	18.7	46 W	19*	36*
12 2	13 20.62	−21 4.1	1.147	0.819	57.3	18.6	44 W	19*	34*
12 7	13 48.44	−20 33.6	1.164	0.805	56.6	18.6	43 W	19*	33*
12 12	14 16.01	−19 50.2	1.185	0.797	55.5	18.6	42 W	20*	31*
12 17	14 43.19	−18 55.9	1.208	0.793	54.2	18.6	41 W	20*	29*
12 22	15 9.82	−17 52.6	1.234	0.796	52.7	18.6	40 W	21*	28*

21/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
		162980 2001 RR_{17} *(continuation)*							
	h m	° ′			°	m	°	°	°
12 27	15 35.78	−16 42.3	1.263	0.804	51.1	18.6	40 W	22*	27*
1 1	16 0.95	−15 26.7	1.293	0.818	49.5	18.7	39 W	22*	26*
1 6	16 25.25	−14 7.5	1.325	0.836	47.8	18.7	39 W	23*	25*
1 11	16 48.61	−12 45.8	1.358	0.859	46.2	18.8	39 W	24*	24*
1 16	17 10.98	−11 22.8	1.392	0.886	44.6	18.9	39 W	24*	24*
1 21	17 32.34	− 9 59.4	1.426	0.916	43.2	18.9	40 W	25*	24*
		222389 2001 DA_{77}							
3 17	0 1.00	− 2 24.0	2.596	1.605	2.3	21.4	4 E	—	—
3 27	0 27.34	− 0 48.0	2.573	1.578	2.2	21.3	3 E	—	—
4 6	0 54.24	+ 0 48.9	2.545	1.553	3.7	21.3	6 W	—	—
4 16	1 21.76	+ 2 24.5	2.513	1.528	5.5	21.4	8 W	—	1*
4 26	1 49.96	+ 3 56.7	2.479	1.504	7.4	21.4	11 W	—	3*
5 6	2 18.90	+ 5 23.1	2.443	1.482	9.3	21.4	14 W	—	6*
5 16	2 48.59	+ 6 41.4	2.406	1.461	11.0	21.4	16 W	—	9*
5 26	3 19.01	+ 7 49.0	2.369	1.443	12.7	21.4	18 W	—	11*
6 5	3 50.13	+ 8 43.8	2.335	1.426	14.2	21.4	20 W	—	14*
6 15	4 21.85	+ 9 23.8	2.302	1.412	15.6	21.4	22 W	—	16*
6 25	4 54.01	+ 9 47.2	2.272	1.401	16.9	21.4	24 W	—	17*
7 5	5 26.44	+ 9 53.1	2.246	1.393	18.0	21.4	25 W	—	19*
7 15	5 58.95	+ 9 40.9	2.223	1.388	19.0	21.4	26 W	—	20*
7 25	6 31.30	+ 9 11.0	2.203	1.386	19.9	21.4	28 W	3*	21*
8 4	7 3.31	+ 8 24.5	2.186	1.387	20.7	21.4	29 W	6*	22*
8 14	7 34.80	+ 7 23.0	2.171	1.391	21.4	21.4	30 W	9*	23*
8 24	8 5.63	+ 6 8.5	2.157	1.398	22.2	21.5	31 W	12*	24*
9 3	8 35.72	+ 4 43.7	2.144	1.408	22.9	21.5	33 W	15*	24*
		363403 2003 OY_{7}							
3 17	0 1.90	+ 0 37.8	2.673	1.682	2.6	21.4	4 E	—	—
3 27	0 27.36	+ 3 8.7	2.694	1.697	0.8	21.3	1 E	—	—
4 6	0 52.59	+ 5 35.3	2.714	1.714	1.1	21.4	2 W	—	—
4 16	1 17.63	+ 7 55.6	2.731	1.734	2.9	21.6	5 W	—	—
4 26	1 42.49	+10 7.6	2.745	1.756	4.7	21.7	8 W	—	2*
		427639 2003 UU_{257}							
3 17	0 7.68	− 4 4.2	2.651	1.664	3.5	21.5	6 E	—	—
3 27	0 32.91	− 1 4.5	2.656	1.662	2.6	21.4	4 E	—	—
4 6	0 58.09	+ 1 53.6	2.660	1.664	2.7	21.4	4 W	—	—
4 16	1 23.28	+ 4 47.5	2.663	1.668	3.7	21.5	6 W	—	—
4 26	1 48.52	+ 7 35.0	2.664	1.676	5.1	21.6	8 W	—	2*
		162422 2000 EV_{70}							
3 17	0 18.95	+ 1 26.9	1.596	0.630	13.7	21.4	9 E	2*	—
3 22	0 46.03	+ 4 22.0	1.546	0.599	18.5	21.4	11 E	4*	2*
3 27	1 14.39	+ 7 20.6	1.497	0.578	24.2	21.4	14 E	6*	3*
4 1	1 43.99	+10 18.3	1.447	0.567	30.3	21.5	17 E	9*	5*
4 6	2 14.77	+13 9.8	1.399	0.569	36.5	21.6	20 E	12*	7*
		162470 2000 KX_{43}							
3 17	0 45.86	−11 51.0	1.753	0.863	20.9	21.2	18 E	—	12*
3 22	1 3.75	− 8 32.1	1.705	0.809	21.4	21.0	17 E	—	11*
3 27	1 22.12	− 4 56.6	1.656	0.755	22.1	20.9	17 E	—	11*
4 1	1 41.03	− 1 3.2	1.607	0.702	23.0	20.7	16 E	1*	10*
4 6	2 0.59	+ 3 8.7	1.555	0.649	24.4	20.5	16 E	2*	9*
4 16	2 42.10	+12 27.5	1.444	0.558	30.4	20.1	16 E	7*	7*
4 26	3 27.64	+22 42.8	1.315	0.503	42.9	20.1	20 E	13*	5*
5 6	4 19.00	+32 58.8	1.168	0.508	59.4	20.3	26 E	20*	3*
5 8	4 30.32	+34 54.8	1.138	0.517	62.5	20.4	27 E	21*	3*
5 10	4 42.11	+36 46.9	1.107	0.528	65.5	20.4	28 E	22*	3*
5 12	4 54.45	+38 34.3	1.077	0.540	68.2	20.5	30 E	24*	3*
5 14	5 7.40	+40 16.3	1.048	0.555	70.7	20.6	31 E	25*	2*
5 16	5 21.04	+41 52.2	1.019	0.571	72.9	20.7	33 E	27*	2*
5 18	5 35.44	+43 21.3	0.991	0.588	74.8	20.7	34 E	28*	3*
5 20	5 50.67	+44 42.7	0.964	0.607	76.5	20.8	36 E	30*	3*
5 22	6 6.77	+45 55.5	0.938	0.626	77.9	20.9	37 E	31*	3*
5 24	6 23.77	+46 58.5	0.913	0.646	79.0	20.9	39 E	33*	4*
5 26	6 41.67	+47 50.8	0.889	0.666	79.9	21.0	40 E	34*	4*
5 28	7 0.41	+48 31.0	0.867	0.687	80.5	21.0	42 E	36*	5*
5 30	7 19.92	+48 58.1	0.847	0.708	80.8	21.0	44 E	37*	6*
6 1	7 40.03	+49 10.9	0.827	0.730	81.0	21.0	45 E	39*	7*
6 3	8 0.58	+49 8.6	0.810	0.751	80.9	21.0	47 E	41*	8*
6 5	8 21.32	+48 50.6	0.794	0.773	80.7	21.1	49 E	42*	9*
6 7	8 42.02	+48 16.6	0.780	0.795	80.2	21.1	51 E	44*	11*
6 9	9 2.44	+47 26.7	0.768	0.816	79.6	21.1	52 E	45*	13*
6 11	9 22.34	+46 21.4	0.758	0.838	78.9	21.1	54 E	46*	14*
6 13	9 41.54	+45 1.6	0.750	0.859	78.0	21.1	56 E	47*	16*
6 15	9 59.90	+43 28.6	0.743	0.880	76.9	21.1	58 E	48*	18*
6 17	10 17.31	+41 43.8	0.739	0.901	75.8	21.1	59 E	49*	21*
6 19	10 33.72	+39 49.1	0.737	0.922	74.6	21.1	61 E	50*	23*
6 21	10 49.13	+37 46.0	0.737	0.943	73.3	21.1	63 E	50*	25*

2021	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
		162470 2000 KX_{43}				*(continuation)*			
	h m	° ′			°	m	°	°	°
6 23	11 3.55	+35 36.4	0.739	0.963	72.0	21.1	64 E	50*	28*
6 25	11 17.02	+33 22.0	0.743	0.983	70.6	21.1	66 E	50*	30*
6 27	11 29.60	+31 4.5	0.749	1.003	69.2	21.1	67 E	49*	32*
6 29	11 41.35	+28 45.2	0.756	1.023	67.8	21.1	69 E	49*	35*
7 1	11 52.34	+26 25.6	0.766	1.042	66.4	21.2	70 E	48*	37*
7 3	12 2.62	+24 6.8	0.778	1.061	65.0	21.2	71 E	47*	39*
7 5	12 12.28	+21 49.6	0.791	1.080	63.7	21.2	72 E	46*	42*
7 7	12 21.37	+19 35.1	0.805	1.098	62.4	21.3	73 E	44*	44*
7 9	12 29.94	+17 23.6	0.821	1.116	61.1	21.3	74 E	43*	46*
7 11	12 38.05	+15 15.8	0.839	1.134	59.8	21.3	75 E	42*	48*
7 13	12 45.74	+13 12.0	0.858	1.151	58.6	21.4	75 E	40*	50*
7 15	12 53.06	+11 12.4	0.878	1.169	57.5	21.4	76 E	39*	52*
7 20	13 9.96	+ 6 32.5	0.932	1.211	54.8	21.6	77 E	36*	56*
7 25	13 25.24	+ 2 20.0	0.992	1.251	52.3	21.7	77 E	33*	60*
7 30	13 39.30	− 1 26.9	1.057	1.289	50.1	21.8	77 E	29*	63*
8 4	13 52.43	− 4 50.4	1.124	1.325	48.1	22.0	76 E	27*	65*
		497084 2003 WC_{83}							
3 17	0 48.23	− 9 11.6	2.569	1.645	10.3	21.5	17 E	—	11*
3 27	1 13.34	− 5 43.7	2.595	1.651	9.0	21.5	15 E	—	9*
4 6	1 38.09	− 2 20.1	2.620	1.660	7.8	21.4	13 E	—	6*
4 16	2 2.60	+ 0 56.8	2.645	1.672	6.7	21.4	11 E	—	4*
4 26	2 26.91	+ 4 4.6	2.669	1.687	5.9	21.4	10 E	—	1*
5 6	2 51.10	+ 7 1.8	2.691	1.704	5.6	21.5	9 W	—	—
		504033 2005 UN_{157}							
3 17	1 52.57	+54 3.9	1.418	1.283	42.9	21.3	61 E	48*	—
3 22	2 5.52	+53 27.5	1.378	1.208	44.7	21.1	59 E	46*	—
3 27	2 19.35	+52 48.8	1.333	1.130	46.9	21.0	56 E	44*	—
4 1	2 34.09	+52 4.5	1.281	1.050	49.6	20.8	53 E	42*	—
4 6	2 49.70	+51 10.3	1.223	0.967	52.8	20.6	50 E	40*	—
4 11	3 6.10	+50 0.2	1.159	0.882	56.9	20.4	47 E	38*	—
4 16	3 23.04	+48 25.3	1.087	0.794	62.2	20.2	44 E	36*	—
4 18	3 29.86	+47 37.6	1.057	0.759	64.8	20.1	43 E	35*	—
4 20	3 36.65	+46 42.8	1.025	0.723	67.6	20.0	42 E	34*	—
4 22	3 43.32	+45 39.4	0.992	0.687	70.9	20.0	40 E	33*	—
4 24	3 49.82	+44 25.8	0.959	0.652	74.6	19.9	39 E	32*	—
4 26	3 56.02	+43 0.2	0.924	0.616	78.8	19.8	37 E	30*	—
4 28	4 1.81	+41 20.1	0.889	0.580	83.7	19.8	35 E	29*	—
4 30	4 7.03	+39 22.8	0.854	0.545	89.2	19.8	33 E	27*	1*
5 2	4 11.48	+37 5.3	0.820	0.511	95.7	19.8	30 E	24*	2*
5 4	4 14.95	+34 24.5	0.786	0.479	103.0	20.0	28 E	21*	3*
5 6	4 17.18	+31 17.5	0.755	0.448	111.4	20.2	24 E	18*	4*
5 8	4 17.94	+27 42.6	0.727	0.421	120.7	20.6	21 E	14*	5*
5 10	4 17.00	+23 41.1	0.705	0.397	130.5	21.3	17 E	9*	5*
		504711 2009 SP_{171}							
3 17	3 12.57	− 1 48.6	1.126	0.929	57.0	21.5	51 E	28*	40*
3 27	3 48.23	− 1 27.4	1.066	0.898	60.4	21.4	51 E	26*	41*
4 6	4 26.50	− 0 58.8	0.997	0.879	64.1	21.3	52 E	24*	43*
4 16	5 7.97	− 0 17.5	0.924	0.873	67.8	21.2	54 E	23*	45*
4 26	5 53.38	+ 0 42.1	0.852	0.881	71.0	21.2	56 E	23*	47*
5 6	6 43.39	+ 2 3.9	0.788	0.902	72.9	21.1	59 E	23*	49*
5 16	7 38.25	+ 3 45.2	0.741	0.934	73.3	21.1	62 E	25*	51*
5 26	8 36.90	+ 5 33.1	0.716	0.975	71.7	21.0	66 E	27*	53*
6 5	9 36.76	+ 7 7.6	0.719	1.023	68.7	21.0	70 E	30*	54*
6 15	10 34.53	+ 8 9.7	0.749	1.076	64.8	21.1	73 E	33*	55*
6 25	11 27.51	+ 8 31.9	0.803	1.131	60.7	21.3	76 E	35*	55*
7 5	12 14.57	+ 8 18.0	0.876	1.187	56.7	21.4	77 E	36*	55*
		399433 2001 YK_{4}							
3 17	12 32.55	− 0 32.2	3.737	4.715	2.4	25.1	168 W	44	65
3 27	12 25.06	+ 0 19.5	3.721	4.717	0.6	24.9	177 W	45	64
4 6	12 17.55	+ 1 9.8	3.738	4.718	2.7	25.1	167 E	46	63
4 16	12 10.49	+ 1 55.7	3.787	4.718	5.1	25.3	156 E	47	62
4 26	12 4.27	+ 2 34.7	3.865	4.717	7.2	25.4	144 E	48	61
		526940 2007 PR							
3 17	12 33.78	−17 38.2	3.709	4.645	4.7	23.2	158 W	27	82
3 27	12 26.61	−17 8.9	3.669	4.641	3.1	23.1	165 W	28	81
4 6	12 19.35	−16 31.3	3.659	4.636	3.0	23.1	166 E	28	81
4 16	12 12.49	−15 48.2	3.681	4.631	4.5	23.2	159 E	29	80
4 26	12 6.47	−15 3.1	3.732	4.624	6.4	23.3	149 E	30	79
		483493 2002 TY_{188}							
3 17	12 35.28	− 8 39.9	1.955	2.925	5.3	22.3	164 W	36	73
3 22	12 30.69	− 8 8.0	1.943	2.929	3.4	22.2	170 W	37	72
3 27	12 25.98	− 7 34.0	1.938	2.933	1.7	22.1	175 W	37	72
4 1	12 21.27	− 6 58.7	1.941	2.937	1.9	22.1	174 E	38	71
4 6	12 16.67	− 6 22.9	1.951	2.941	3.6	22.2	169 E	39	70

2021	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
		483493 2002 TY_{188}				*(continuation)*			
	h m	° ′			°	m	°	°	°
4 11	12 12.30	− 5 47.4	1.969	2.944	5.5	22.4	164 E	39	70
4 16	12 8.25	− 5 13.1	1.994	2.947	7.4	22.5	158 E	40	69
		416837 2005 JU_{134}							
3 17	12 38.10	−29 56.9	2.581	3.453	9.2	22.7	146 W	15	86
3 22	12 33.92	−29 29.0	2.544	3.444	8.3	22.6	150 W	16	87
3 27	12 29.59	−28 55.0	2.513	3.435	7.4	22.5	154 W	16	87
4 1	12 25.19	−28 15.3	2.490	3.426	6.8	22.5	156 E	17	88
4 6	12 20.83	−27 30.4	2.473	3.416	6.6	22.4	157 E	17	88
4 11	12 16.60	−26 40.9	2.464	3.407	6.7	22.4	157 E	18	89
4 16	12 12.62	−25 47.8	2.463	3.397	7.3	22.4	155 E	19	90
4 21	12 8.96	−24 51.9	2.468	3.387	8.1	22.5	152 E	20	89
		480845 2000 QV_{229}							
3 17	12 39.20	+ 3 50.8	1.781	2.759	4.8	22.4	167 W	49	60
3 22	12 34.54	+ 4 34.5	1.773	2.762	3.2	22.3	171 W	50	59
3 27	12 29.74	+ 5 17.0	1.772	2.764	2.9	22.2	172 W	50	59
4 1	12 24.91	+ 5 57.4	1.779	2.766	4.0	22.3	169 E	51	58
4 6	12 20.19	+ 6 34.8	1.793	2.768	5.8	22.4	164 E	52	57
4 11	12 15.70	+ 7 8.4	1.814	2.769	7.7	22.6	158 E	52	57
4 16	12 11.55	+ 7 37.5	1.842	2.771	9.6	22.7	153 E	53	56
		529718 2010 KY_{127}							
3 17	12 39.82	−11 20.9	3.362	4.317	4.2	23.2	162 W	34	75
3 27	12 29.13	−10 47.6	3.296	4.286	2.0	23.0	172 W	34	75
4 6	12 18.11	−10 7.5	3.266	4.253	2.5	23.0	169 E	35	74
4 16	12 7.41	− 9 23.8	3.271	4.218	5.1	23.1	158 E	36	73
4 26	11 57.66	− 8 40.2	3.308	4.183	7.7	23.3	146 E	36	73
		523815 2009 HW_{44}							
3 17	12 40.08	+41 40.4	3.418	4.210	9.1	23.9	138 W	87	22
3 22	12 34.46	+41 55.3	3.420	4.204	9.3	23.9	137 W	87	22
3 27	12 28.75	+42 4.2	3.429	4.198	9.6	23.9	135 W	87	22
4 1	12 23.05	+42 6.9	3.443	4.192	10.0	23.9	133 E	87	22
4 6	12 17.45	+42 3.2	3.464	4.185	10.4	24.0	131 E	87	22
4 11	12 12.06	+41 53.4	3.490	4.178	10.9	24.0	128 E	87	22
4 16	12 6.97	+41 37.5	3.521	4.171	11.4	24.0	124 E	87	22
		440074 2002 SZ_{19}							
3 17	12 46.31	− 3 20.1	1.830	2.801	5.5	22.8	164 W	42	67
3 22	12 41.99	− 2 37.9	1.809	2.797	3.4	22.7	170 W	42	67
3 27	12 37.46	− 1 54.3	1.795	2.792	1.3	22.5	176 W	43	66
4 1	12 32.83	− 1 10.4	1.789	2.787	1.4	22.5	176 E	44	65
4 6	12 28.21	− 0 27.0	1.790	2.782	3.5	22.6	170 E	45	64
4 11	12 23.74	+ 0 14.8	1.799	2.776	5.7	22.7	164 E	45	64
4 16	12 19.53	+ 0 54.0	1.814	2.770	7.8	22.9	158 E	46	63
		456288 2006 SH_{77}							
3 17	12 48.61	+ 3 54.1	2.469	3.438	4.5	22.9	164 W	49	60
3 27	12 40.51	+ 4 52.3	2.465	3.455	2.5	22.8	171 W	50	59
4 6	12 32.26	+ 5 44.6	2.491	3.471	4.0	22.9	166 E	51	58
4 16	12 24.55	+ 6 26.6	2.546	3.486	6.8	23.2	156 E	51	58
4 26	12 18.00	+ 6 55.7	2.629	3.500	9.5	23.3	145 E	52	57
		455195 2000 SR_{178}							
3 17	12 48.95	−13 3.4	2.486	3.433	6.0	22.4	159 W	32	77
3 27	12 41.25	−12 3.6	2.422	3.408	3.1	22.2	169 W	33	76
4 6	12 33.07	−10 53.6	2.389	3.382	2.3	22.1	172 E	34	75
4 16	12 25.15	− 9 38.5	2.385	3.356	5.2	22.2	162 E	35	74
4 26	12 18.19	− 8 24.1	2.411	3.328	8.4	22.4	151 E	37	72
		442609 2012 KU_{42}							
3 17	12 50.71	+16 26.4	2.192	3.138	6.8	22.4	158 W	61	48
3 22	12 46.12	+17 17.2	2.173	3.126	6.4	22.4	159 W	62	47
3 27	12 41.28	+18 4.9	2.162	3.114	6.6	22.3	159 W	63	46
4 1	12 36.31	+18 48.4	2.158	3.101	7.3	22.4	157 E	64	45
4 6	12 31.31	+19 26.9	2.161	3.088	8.4	22.4	153 E	64	45
4 11	12 26.40	+19 59.9	2.172	3.075	9.6	22.5	149 E	65	44
4 16	12 21.69	+20 26.7	2.188	3.061	11.0	22.5	144 E	65	44
		529970 2010 UD_{96}							
3 17	12 52.69	−13 13.2	2.449	3.392	6.3	22.7	158 W	32	77
3 27	12 45.08	−11 59.9	2.394	3.379	3.2	22.5	169 W	33	76
4 6	12 37.01	−10 36.5	2.370	3.365	2.1	22.4	173 E	34	75
4 16	12 29.22	− 9 8.5	2.376	3.351	4.9	22.5	163 E	36	73
4 26	12 22.41	− 7 42.5	2.412	3.335	8.1	22.7	152 E	37	72
		529494 2010 BX_{31}							
3 17	12 56.49	−20 5.2	2.967	3.877	6.8	24.2	152 W	25	84
3 27	12 48.64	−19 37.9	2.911	3.871	4.6	24.1	162 W	25	84
4 6	12 40.35	−18 58.4	2.885	3.865	3.5	24.0	167 E	26	83
4 16	12 32.27	−18 9.7	2.890	3.859	4.5	24.0	163 E	27	82
4 26	12 25.01	−17 16.2	2.924	3.851	6.7	24.2	154 E	28	81

524095 2000 QP_{30}

2021	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
	h m	° ′			°	m	°	°	°
3 17	12 58.36	−13 59.0	2.036	2.975	7.7	22.4	156 W	31	78
3 27	12 49.06	−13 22.8	1.965	2.947	4.3	22.1	167 W	32	77
4 6	12 38.88	−12 33.6	1.924	2.918	2.7	21.9	172 E	32	77
4 16	12 28.79	−11 36.0	1.912	2.888	5.7	22.1	163 E	33	76
4 26	12 19.77	−10 36.5	1.929	2.857	9.5	22.2	152 E	34	75

439832 1995 OO_5

2021	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
3 17	12 58.64	− 4 30.0	1.661	2.622	7.1	22.5	161 W	40	69
3 27	12 49.42	− 3 27.1	1.604	2.598	2.6	22.2	173 W	42	67
4 6	12 39.27	− 2 19.5	1.576	2.573	2.5	22.1	174 E	43	66
4 16	12 29.29	− 1 14.6	1.577	2.547	7.3	22.4	161 E	44	65
4 26	12 20.62	− 0 19.8	1.604	2.521	11.8	22.6	149 E	45	64

534750 2014 WD_{24}

2021	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
3 17	13 0.49	−13 11.9	2.610	3.545	6.4	22.8	157 W	32	77
3 27	12 52.56	−12 32.0	2.551	3.532	3.5	22.6	168 W	32	77
4 6	12 44.06	−11 43.0	2.522	3.518	1.9	22.5	173 E	33	76
4 16	12 35.68	−10 48.8	2.523	3.503	4.2	22.6	165 E	34	75
4 26	12 28.14	− 9 54.3	2.554	3.486	7.3	22.8	154 E	35	74

524481 2002 PZ_{10}

2021	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
3 17	13 0.89	−28 9.8	3.510	4.366	7.4	23.1	145 W	17	88
3 27	12 53.41	−27 53.0	3.461	4.377	5.8	23.0	154 W	17	88
4 6	12 45.56	−27 21.8	3.440	4.387	4.7	22.9	159 E	18	89
4 16	12 37.88	−26 38.5	3.449	4.397	4.8	22.9	158 E	18	89
4 26	12 30.94	−25 46.6	3.486	4.406	6.0	23.0	153 E	19	90

455322 2002 NX_{18}

2021	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
3 17	13 1.05	− 4 34.1	2.970	3.922	4.9	23.0	160 W	40	69
3 27	12 53.16	− 3 40.1	2.952	3.943	1.9	22.9	172 W	41	68
4 6	12 44.99	− 2 45.1	2.966	3.964	1.3	22.8	175 E	42	67
4 16	12 37.11	− 1 53.0	3.012	3.983	4.2	23.1	163 E	43	66
4 26	12 30.10	− 1 7.5	3.087	4.001	6.9	23.3	152 E	44	65

523795 2015 TQ_{178}

2021	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
3 17	13 2.09	−13 27.7	1.226	2.173	10.7	23.2	156 W	32	77
3 27	12 51.58	−12 39.4	1.131	2.116	5.8	22.8	168 W	32	77
4 6	12 38.81	−11 26.7	1.062	2.058	3.5	22.4	173 E	34	75
4 16	12 25.28	− 9 55.8	1.019	1.999	8.7	22.5	163 E	35	74
4 26	12 12.85	− 8 18.2	1.000	1.938	15.1	22.7	150 E	37	72

363831 2005 PY_{16}

2021	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
3 17	13 2.37	− 1 32.3	1.931	2.889	6.5	23.4	161 W	43	66
3 22	12 57.49	− 0 50.9	1.900	2.879	4.5	23.3	167 W	44	65
3 27	12 52.26	− 0 8.3	1.876	2.868	2.7	23.1	172 W	45	64
4 1	12 46.82	+ 0 34.7	1.860	2.856	1.8	23.0	175 W	46	63
4 6	12 41.28	+ 1 17.1	1.851	2.844	3.1	23.1	171 E	46	63
4 11	12 35.77	+ 1 58.0	1.851	2.832	5.1	23.2	165 E	47	62
4 16	12 30.44	+ 2 36.4	1.858	2.819	7.2	23.3	159 E	48	61
4 21	12 25.40	+ 3 11.4	1.872	2.806	9.3	23.4	153 E	48	61

415729 1999 VL_{46}

2021	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
3 17	13 3.56	−19 39.5	2.933	3.838	7.1	22.7	152 W	25	84
3 27	12 56.30	−18 52.5	2.898	3.858	4.7	22.5	162 W	26	83
4 6	12 48.67	−17 54.0	2.893	3.878	3.0	22.5	168 E	27	82
4 16	12 41.29	−16 48.1	2.918	3.896	3.8	22.5	165 E	28	81
4 26	12 34.73	−15 39.4	2.974	3.914	6.0	22.7	156 E	29	80

416675 2004 XJ_3

2021	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
3 17	13 3.97	−40 14.7	3.425	4.185	9.7	23.9	135 W	5	76
3 22	12 59.79	−40 0.0	3.396	4.196	9.0	23.9	139 W	5	76
3 27	12 55.44	−39 39.8	3.374	4.206	8.4	23.8	142 W	5	76
4 1	12 51.00	−39 14.4	3.358	4.217	7.8	23.8	145 W	6	77
4 6	12 46.55	−38 43.8	3.349	4.227	7.3	23.8	147 E	6	77
4 11	12 42.19	−38 8.5	3.346	4.237	7.0	23.8	149 E	7	78
4 16	12 38.00	−37 28.9	3.351	4.247	6.9	23.8	150 E	8	79
4 21	12 34.06	−36 45.7	3.362	4.256	7.0	23.8	149 E	8	79

409959 2006 UF_{271}

2021	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
3 17	13 5.35	−20 15.4	2.399	3.305	8.4	23.1	151 W	25	84
3 27	12 57.61	−19 22.3	2.329	3.289	5.6	22.9	161 W	26	83
4 6	12 49.13	−18 12.8	2.287	3.273	3.7	22.7	168 E	27	82
4 16	12 40.70	−16 51.3	2.276	3.255	4.6	22.7	165 E	28	81
4 26	12 33.12	−15 24.2	2.294	3.237	7.4	22.9	156 E	30	79

443892 2001 XT_4

2021	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
3 17	13 5.72	− 0 52.6	2.320	3.273	5.9	22.4	160 W	44	65
3 27	12 56.95	− 0 1.4	2.276	3.265	2.7	22.1	171 W	45	64
4 6	12 47.52	+ 0 49.3	2.261	3.255	2.4	22.1	172 E	46	63
4 16	12 38.23	+ 1 34.6	2.278	3.245	5.6	22.3	161 E	47	62
4 26	12 29.89	+ 2 10.0	2.323	3.233	9.0	22.5	150 E	47	62

534607 2014 UB_{203}

2021	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
	h m	° ′			°	m	°	°	°
3 17	13 5.87	−11 1.0	2.581	3.516	6.4	22.5	157 W	34	75
3 27	12 57.95	−10 25.5	2.524	3.507	3.3	22.3	168 W	35	74
4 6	12 49.39	− 9 42.7	2.497	3.496	1.2	22.1	176 E	35	74
4 16	12 40.89	− 8 56.4	2.502	3.485	3.9	22.3	166 E	36	73
4 26	12 33.19	− 8 11.0	2.536	3.473	7.1	22.4	155 E	37	72

350594 2001 QU_{261}

2021	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
3 17	13 7.11	−15 49.9	2.031	2.956	8.6	22.5	154 W	29	80
3 27	12 58.20	−15 15.3	1.977	2.951	5.2	22.3	165 W	30	79
4 6	12 48.47	−14 26.9	1.952	2.945	2.9	22.1	171 E	31	78
4 16	12 38.86	−13 29.3	1.956	2.939	4.9	22.2	166 E	32	77
4 26	12 30.32	−12 29.1	1.989	2.931	8.4	22.4	155 E	33	76

489231 2006 OC_4

2021	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
3 17	13 8.70	−13 13.1	1.510	2.447	9.9	22.4	155 W	32	77
3 27	12 59.07	−12 42.5	1.446	2.427	5.5	22.1	166 W	32	77
4 6	12 48.10	−11 56.4	1.408	2.405	2.6	21.8	174 E	33	76
4 16	12 37.03	−11 0.5	1.398	2.383	6.1	22.0	165 E	34	75
4 26	12 27.22	−10 2.9	1.415	2.360	10.9	22.2	154 E	35	74

496324 2013 KU_1

2021	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
3 17	13 9.19	−16 28.6	2.778	3.692	7.1	22.4	153 W	29	80
3 27	13 2.04	−15 43.8	2.705	3.673	4.4	22.2	164 W	29	80
4 6	12 54.18	−14 47.7	2.661	3.653	2.3	22.0	171 E	30	79
4 16	12 46.29	−13 43.8	2.647	3.633	3.5	22.1	167 E	31	78
4 26	12 39.02	−12 37.0	2.664	3.611	6.3	22.2	157 E	32	77

217683 1999 RP_{36}

2021	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
3 17	13 10.25	− 1 9.0	2.175	3.124	6.6	23.5	159 W	44	65
3 27	13 1.09	− 0 14.0	2.145	3.132	3.1	23.2	170 W	45	64
4 6	12 51.30	+ 0 40.0	2.144	3.139	2.3	23.2	173 E	46	63
4 16	12 41.73	+ 1 27.7	2.174	3.145	5.6	23.4	162 E	46	63
4 26	12 33.22	+ 2 4.7	2.233	3.149	9.0	23.6	151 E	47	62

2101 Adonis

2021	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
3 17	13 10.57	− 8 17.8	1.729	2.672	8.4	22.7	157 W	37	72
3 22	13 3.57	− 7 36.7	1.729	2.700	5.9	22.6	164 W	37	72
3 27	12 56.39	− 6 53.8	1.738	2.727	3.4	22.5	171 W	38	71
4 1	12 49.20	− 6 10.1	1.754	2.753	1.0	22.4	177 W	39	70
4 6	12 42.17	− 5 26.6	1.780	2.778	1.6	22.5	176 E	40	69
4 11	12 35.44	− 4 44.5	1.813	2.803	3.9	22.7	169 E	40	69
4 16	12 29.16	− 4 4.6	1.855	2.827	6.2	22.9	162 E	41	68
4 21	12 23.43	− 3 27.8	1.904	2.851	8.3	23.0	156 E	42	67

441103 2007 SP_6

2021	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
3 17	13 11.85	+11 14.7	2.370	3.307	6.8	23.1	157 W	56	53
3 22	13 7.23	+11 43.4	2.371	3.326	5.8	23.0	160 W	57	52
3 27	13 2.43	+12 9.6	2.380	3.345	5.2	23.0	162 W	57	52
4 1	12 57.54	+12 32.6	2.397	3.363	5.1	23.1	163 W	58	51
4 6	12 52.67	+12 51.9	2.421	3.381	5.6	23.1	161 E	58	51
4 11	12 47.92	+13 7.1	2.452	3.399	6.5	23.2	157 E	58	51
4 16	12 43.38	+13 18.0	2.491	3.417	7.6	23.3	153 E	58	51
4 21	12 39.14	+13 24.5	2.536	3.434	8.8	23.4	149 E	58	51

529388 2009 WN_{78}

2021	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
3 17	13 12.10	−13 37.6	3.052	3.970	6.3	24.4	154 W	31	78
3 27	13 4.93	−13 0.0	2.990	3.963	3.7	24.2	165 W	32	77
4 6	12 57.17	−12 14.4	2.958	3.954	1.5	24.0	174 E	33	76
4 16	12 49.37	−11 24.0	2.957	3.945	2.9	24.1	168 E	34	75
4 26	12 42.16	−10 32.7	2.987	3.935	5.6	24.3	157 E	34	75

230420 2002 PP_6

2021	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
3 17	13 14.37	+18 42.2	1.679	2.602	10.2	22.8	152 W	64	45
3 22	13 8.40	+19 41.0	1.700	2.634	9.4	22.8	154 W	65	44
3 27	13 2.26	+20 32.7	1.728	2.666	9.1	22.8	155 W	66	43
4 1	12 56.12	+21 16.4	1.763	2.697	9.3	22.9	154 W	66	43
4 6	12 50.12	+21 51.8	1.805	2.728	10.0	23.0	152 E	67	42
4 11	12 44.40	+22 18.5	1.854	2.758	11.0	23.1	148 E	67	42
4 16	12 39.10	+22 36.7	1.908	2.787	12.1	23.3	144 E	68	41
4 21	12 34.31	+22 46.8	1.969	2.816	13.2	23.4	140 E	68	41

455172 1999 QJ

2021	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
3 17	13 18.30	−38 49.2	2.446	3.223	12.7	22.6	135 W	6	77
3 22	13 12.61	−39 17.0	2.398	3.210	11.9	22.6	138 W	6	77
3 27	13 6.38	−39 38.3	2.356	3.198	11.2	22.5	142 W	5	76
4 1	12 59.70	−39 52.7	2.320	3.185	10.5	22.4	144 W	5	76
4 6	12 52.72	−39 59.8	2.290	3.172	10.1	22.4	146 E	5	76
4 11	12 45.60	−39 59.4	2.267	3.158	9.8	22.3	147 E	5	76
4 16	12 38.49	−39 51.7	2.251	3.145	9.9	22.3	148 E	5	76
4 21	12 31.58	−39 37.0	2.242	3.130	10.2	22.3	147 E	5	76
4 26	12 25.02	−39 16.2	2.240	3.116	10.7	22.3	145 E	6	77
5 1	12 18.94	−38 50.2	2.243	3.102	11.5	22.3	142 E	6	77

423190 2004 NM_{18}

2021	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
	h m	° ′			°	m	°	°	°
3 17	13 18.54	− 9 26.0	2.901	3.824	6.4	22.4	155 W	36	73
3 27	13 11.67	− 8 39.8	2.838	3.815	3.5	22.2	166 W	36	73
4 6	13 4.10	− 7 47.8	2.805	3.806	0.5	21.9	178 W	37	72
4 16	12 56.40	− 6 53.7	2.804	3.795	2.7	22.1	170 E	38	71
4 26	12 49.21	− 6 1.6	2.832	3.784	5.7	22.3	158 E	39	70
5 6	12 43.05	− 5 15.5	2.889	3.772	8.5	22.5	147 E	40	69

447926 2008 AO_4

2021	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
3 17	13 18.98	−16 39.7	2.202	3.109	9.0	22.5	151 W	28	81
3 27	13 10.34	−16 5.5	2.174	3.138	5.6	22.3	162 W	29	80
4 6	13 1.00	−15 19.0	2.174	3.166	2.8	22.2	171 W	30	79
4 16	12 51.83	−14 24.7	2.203	3.193	3.7	22.3	168 E	31	78
4 26	12 43.66	−13 28.3	2.263	3.219	6.7	22.5	158 E	32	77

401809 3195 *T–2*

2021	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
3 17	13 19.24	− 5 11.1	1.670	2.610	9.0	21.6	156 W	40	69
3 27	13 10.68	− 4 19.8	1.585	2.569	4.7	21.3	168 W	41	68
4 6	13 0.47	− 3 21.3	1.526	2.526	1.2	20.9	177 W	42	67
4 16	12 49.65	− 2 22.1	1.497	2.483	5.6	21.1	166 E	43	66
4 26	12 39.46	− 1 29.9	1.495	2.438	10.5	21.3	154 E	44	65
5 6	12 30.99	− 0 51.0	1.516	2.393	15.0	21.4	142 E	44	65

498901 2009 AU_1

2021	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
3 17	13 19.36	+19 36.8	5.042	5.931	4.7	22.2	151 W	65	44
3 27	13 14.61	+20 25.0	5.044	5.956	4.2	22.2	154 W	65	44
4 6	13 9.53	+21 4.8	5.075	5.981	4.4	22.2	152 W	66	43
4 16	13 4.43	+21 34.4	5.134	6.005	5.2	22.3	147 E	67	42
4 26	12 59.64	+21 52.5	5.220	6.028	6.1	22.4	140 E	67	42
5 6	12 55.43	+21 59.2	5.328	6.052	7.1	22.5	132 E	67	42

162698 2000 UN_{30}

2021	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
3 17	13 19.55	+21 13.4	1.987	2.891	9.9	22.6	150 W	66	43
3 22	13 14.36	+21 51.3	1.960	2.877	9.4	22.6	152 W	67	42
3 27	13 8.73	+22 25.0	1.939	2.863	9.2	22.5	153 W	67	42
4 1	13 2.79	+22 53.1	1.925	2.848	9.4	22.5	152 W	68	41
4 6	12 56.65	+23 15.0	1.919	2.832	10.0	22.5	150 E	68	41
4 11	12 50.46	+23 29.8	1.919	2.816	11.0	22.5	148 E	68	41
4 16	12 44.39	+23 37.1	1.925	2.800	12.1	22.6	144 E	69	40
4 21	12 38.58	+23 36.7	1.938	2.784	13.4	22.6	140 E	69	40

101869 1999 *MM*

2021	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
3 17	13 19.84	− 0 24.5	1.616	2.560	8.9	22.9	157 W	45	64
3 22	13 13.59	+ 0 21.6	1.600	2.568	6.6	22.8	163 W	45	64
3 27	13 6.95	+ 1 8.2	1.591	2.576	4.5	22.7	168 W	46	63
4 1	13 0.07	+ 1 54.1	1.590	2.583	3.0	22.6	172 W	47	62
4 6	12 53.13	+ 2 38.1	1.596	2.589	3.5	22.6	171 E	48	61
4 11	12 46.29	+ 3 19.0	1.611	2.595	5.3	22.7	166 E	48	61
4 16	12 39.73	+ 3 56.0	1.634	2.600	7.5	22.9	160 E	49	60
4 21	12 33.61	+ 4 28.2	1.663	2.604	9.7	23.0	154 E	49	60

11318 1994 XZ_4

2021	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
3 17	13 20.26	+ 3 58.4	2.251	3.188	7.2	21.5	156 W	49	60
3 27	13 11.57	+ 4 49.5	2.242	3.219	4.4	21.4	166 W	50	59
4 6	13 2.29	+ 5 34.4	2.264	3.249	3.7	21.4	168 W	51	58
4 16	12 53.24	+ 6 8.6	2.315	3.279	5.8	21.6	161 E	51	58
4 26	12 45.18	+ 6 29.1	2.395	3.307	8.6	21.8	150 E	51	58
5 6	12 38.67	+ 6 34.8	2.500	3.335	11.3	22.0	140 E	52	57

298615 2004 AE_8

2021	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
3 17	13 20.26	+10 29.1	2.093	3.025	8.0	21.7	155 W	55	54
3 22	13 16.37	+11 11.4	2.088	3.038	6.8	21.6	159 W	56	53
3 27	13 12.22	+11 51.3	2.089	3.051	6.1	21.6	161 W	57	52
4 1	13 7.89	+12 27.9	2.098	3.063	5.8	21.6	162 W	57	52
4 6	13 3.50	+13 0.5	2.114	3.076	6.2	21.6	161 W	58	51
4 11	12 59.15	+13 28.5	2.137	3.088	7.0	21.7	158 E	58	51
4 16	12 54.96	+13 51.3	2.166	3.100	8.2	21.8	154 E	59	50
4 21	12 51.02	+14 8.7	2.203	3.112	9.4	21.9	150 E	59	50
4 26	12 47.41	+14 20.7	2.245	3.123	10.7	22.0	145 E	59	50
5 1	12 44.20	+14 27.3	2.293	3.134	11.9	22.1	140 E	59	50
5 6	12 41.43	+14 28.6	2.347	3.146	13.0	22.2	135 E	59	50

434188 2003 AD_{23}

2021	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
3 17	13 20.65	+31 41.7	1.620	2.485	14.1	22.6	142 W	77	32
3 22	13 13.20	+33 1.8	1.591	2.459	14.2	22.6	143 W	78	31
3 27	13 4.92	+34 14.5	1.568	2.433	14.6	22.5	142 W	79	30
4 1	12 55.97	+35 17.9	1.552	2.405	15.4	22.5	140 W	80	29
4 6	12 46.57	+36 9.9	1.542	2.377	16.6	22.5	137 E	81	28
4 11	12 36.97	+36 49.3	1.538	2.348	17.9	22.5	134 E	82	27
4 16	12 27.45	+37 15.2	1.541	2.317	19.4	22.5	130 E	82	27
4 21	12 18.28	+37 27.5	1.548	2.286	20.9	22.6	126 E	82	27

248918 2006 VU_{123}

2021	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
	h m	° ′			°	m	°	°	°
3 17	13 21.76	− 0 32.3	2.691	3.623	6.4	21.9	156 W	44	65
3 27	13 14.39	+ 0 19.3	2.650	3.629	3.6	21.8	167 W	45	64
4 6	13 6.32	+ 1 10.1	2.639	3.633	2.1	21.7	172 W	46	63
4 16	12 58.19	+ 1 55.8	2.659	3.637	4.2	21.8	165 E	47	62
4 26	12 50.66	+ 2 32.6	2.708	3.639	7.0	22.0	154 E	48	61
5 6	12 44.28	+ 2 58.1	2.784	3.641	9.6	22.2	143 E	48	61

357037 2000 NU_{23}

2021	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
3 17	13 22.13	−21 2.3	2.059	2.947	10.4	21.7	148 W	24	85
3 27	13 13.53	−20 46.2	1.977	2.926	7.4	21.4	158 W	24	85
4 6	13 3.58	−20 11.6	1.922	2.904	4.7	21.2	166 W	25	84
4 16	12 53.22	−19 20.9	1.896	2.880	4.8	21.2	166 E	26	83
4 26	12 43.51	−18 19.5	1.899	2.856	7.6	21.3	158 E	27	82
5 6	12 35.37	−17 14.6	1.928	2.830	11.1	21.5	147 E	28	81

450979 2008 SO_{28}

2021	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
3 17	13 23.98	−12 3.4	1.690	2.612	10.2	21.8	152 W	33	76
3 27	13 15.64	−11 22.0	1.609	2.584	6.0	21.5	164 W	34	75
4 6	13 5.68	−10 26.7	1.555	2.554	1.7	21.1	176 W	35	74
4 16	12 55.15	− 9 22.7	1.530	2.524	4.0	21.2	170 E	36	73
4 26	12 45.25	− 8 17.6	1.532	2.493	8.8	21.4	158 E	37	72
5 6	12 37.07	− 7 18.9	1.560	2.461	13.3	21.6	146 E	38	71

396638 2001 WR_2

2021	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
3 17	13 24.07	−28 37.8	1.978	2.828	12.5	21.8	142 W	16	87
3 27	13 16.18	−27 37.7	1.893	2.812	9.6	21.6	152 W	17	88
4 6	13 6.95	−26 9.1	1.833	2.795	7.0	21.4	160 W	19	90
4 16	12 57.38	−24 15.4	1.802	2.777	6.1	21.3	163 E	21	88
4 26	12 48.60	−22 4.7	1.800	2.759	7.8	21.3	158 E	23	86
5 6	12 41.49	−19 47.6	1.825	2.739	11.0	21.5	149 E	25	84

524598 2003 *PJ*

2021	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
3 17	13 24.10	−13 16.0	1.663	2.582	10.5	21.8	152 W	32	77
3 27	13 16.52	−12 26.1	1.577	2.549	6.4	21.5	163 W	33	76
4 6	13 7.30	−11 19.9	1.518	2.516	2.1	21.2	175 W	34	75
4 16	12 57.43	−10 2.9	1.486	2.482	3.8	21.2	170 E	35	74
4 26	12 48.12	− 8 43.1	1.483	2.447	8.7	21.4	159 E	36	73
5 6	12 40.46	− 7 29.3	1.504	2.411	13.3	21.6	147 E	38	71

279976 2001 TQ_{103}

2021	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
3 17	13 24.45	+ 1 21.6	2.030	2.964	8.0	22.5	156 W	46	63
3 22	13 20.53	+ 1 52.3	1.999	2.959	6.3	22.3	161 W	47	62
3 27	13 16.23	+ 2 23.4	1.975	2.953	4.7	22.2	166 W	47	62
4 1	13 11.65	+ 2 53.9	1.958	2.946	3.6	22.1	169 W	48	61
4 6	13 6.89	+ 3 23.2	1.949	2.940	3.4	22.1	170 W	48	61
4 11	13 2.06	+ 3 50.6	1.947	2.933	4.3	22.2	167 E	49	60
4 16	12 57.30	+ 4 15.1	1.953	2.926	5.8	22.2	163 E	49	60
4 21	12 52.71	+ 4 36.3	1.965	2.919	7.6	22.3	158 E	50	59
4 26	12 48.41	+ 4 53.6	1.984	2.911	9.3	22.4	152 E	50	59

484096 2006 RE_{36}

2021	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
3 17	13 25.28	− 7 6.5	1.848	2.777	9.1	22.2	154 W	38	71
3 27	13 15.72	− 6 33.0	1.811	2.790	4.9	21.9	166 W	38	71
4 6	13 5.12	− 5 54.3	1.802	2.802	0.5	21.6	179 W	39	70
4 16	12 54.52	− 5 15.4	1.822	2.813	4.0	21.9	169 E	40	69
4 26	12 44.95	− 4 41.8	1.872	2.823	8.2	22.2	156 E	40	69
5 6	12 37.21	− 4 17.7	1.947	2.832	11.8	22.4	145 E	41	68

339705 2005 RB_{22}

2021	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
3 17	13 26.32	− 0 16.4	2.024	2.956	8.2	21.8	155 W	45	64
3 27	13 17.43	+ 0 27.4	1.973	2.951	4.7	21.5	166 W	45	64
4 6	13 7.43	+ 1 10.3	1.951	2.946	2.6	21.4	172 W	46	63
4 16	12 57.22	+ 1 46.9	1.959	2.939	5.2	21.5	165 E	47	62
4 26	12 47.78	+ 2 12.5	1.996	2.931	8.8	21.7	154 E	47	62
5 6	12 39.90	+ 2 24.3	2.058	2.923	12.2	21.9	142 E	47	62

438238 2005 VW_{29}

2021	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
3 17	13 26.82	− 4 4.9	2.004	2.932	8.5	22.4	154 W	41	68
3 27	13 18.58	− 3 11.2	1.955	2.933	4.7	22.2	166 W	42	67
4 6	13 9.27	− 2 14.8	1.935	2.934	1.6	22.0	175 W	43	66
4 16	12 59.76	− 1 21.4	1.945	2.933	4.3	22.2	167 E	44	65
4 26	12 51.00	− 0 36.6	1.983	2.931	8.1	22.4	156 E	44	65

422648 1996 VW_6

2021	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
3 17	13 27.00	−13 14.2	2.462	3.367	8.2	21.8	151 W	32	77
3 27	13 19.33	−12 51.3	2.378	3.343	5.1	21.5	163 W	32	77
4 6	13 10.52	−12 18.6	2.322	3.318	2.0	21.3	173 W	33	76
4 16	13 1.29	−11 39.1	2.297	3.292	2.7	21.3	171 E	33	76
4 26	12 52.47	−10 57.1	2.302	3.266	6.0	21.5	160 E	34	75
5 6	12 44.78	−10 17.3	2.335	3.238	9.4	21.6	149 E	35	74

355797 2008 ST_{141}

2021	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
	h m	° ′			°	m	°	°	°
3 17	13 27.22	− 3 31.6	2.061	2.990	8.3	21.9	154 W	41	68
3 27	13 18.59	− 2 45.6	2.031	3.009	4.6	21.7	166 W	42	67
4 6	13 9.08	− 1 58.5	2.029	3.027	1.6	21.6	175 W	43	66
4 16	12 59.54	− 1 15.3	2.057	3.044	4.1	21.8	167 E	44	65
4 26	12 50.89	− 0 40.8	2.115	3.061	7.7	22.0	156 E	44	65
5 6	12 43.80	− 0 18.3	2.198	3.076	11.0	22.2	145 E	45	64

354112 2002 AS_{17}

2021	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
3 17	13 27.95	−39 37.8	2.293	3.058	13.8	21.4	133 W	5	76
3 22	13 23.40	−39 49.6	2.255	3.058	12.9	21.4	137 W	5	76
3 27	13 18.36	−39 54.4	2.222	3.058	12.0	21.3	141 W	5	76
4 1	13 12.95	−39 51.9	2.194	3.058	11.1	21.2	144 W	5	76
4 6	13 7.29	−39 41.8	2.173	3.058	10.4	21.2	147 W	5	76
4 11	13 1.54	−39 24.3	2.157	3.058	9.8	21.1	149 E	6	77
4 16	12 55.85	−38 59.6	2.149	3.057	9.5	21.1	150 E	6	77
4 21	12 50.37	−38 28.3	2.146	3.056	9.6	21.1	150 E	7	78
4 26	12 45.25	−37 51.5	2.150	3.055	9.9	21.1	149 E	7	78
5 1	12 40.59	−37 10.0	2.161	3.053	10.4	21.2	147 E	8	79
5 6	12 36.49	−36 25.0	2.177	3.052	11.2	21.2	144 E	9	80
5 11	12 33.02	−35 37.6	2.200	3.050	12.1	21.3	141 E	9	80
5 16	12 30.22	−34 49.0	2.228	3.048	13.0	21.3	137 E	10	81
5 21	12 28.13	−34 0.4	2.261	3.045	14.0	21.4	133 E	11	82
5 26	12 26.75	−33 12.7	2.299	3.043	14.9	21.5	129 E	12	83

348490 2005 SB_{221}

2021	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
3 17	13 28.60	−12 0.3	2.450	3.357	8.2	21.4	151 W	33	76
3 27	13 20.92	−11 35.0	2.365	3.332	5.0	21.2	163 W	33	76
4 6	13 12.09	−11 0.8	2.310	3.307	1.7	20.9	174 W	34	75
4 16	13 2.80	−10 20.7	2.284	3.281	2.5	20.9	172 E	35	74
4 26	12 53.89	− 9 39.2	2.289	3.253	6.0	21.1	160 E	35	74
5 6	12 46.09	− 9 0.8	2.322	3.225	9.4	21.3	149 E	36	73
5 16	12 39.98	− 8 29.5	2.379	3.196	12.4	21.4	137 E	37	72

440633 2005 WC_{71}

2021	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
3 17	13 30.23	−15 10.7	1.998	2.899	10.1	22.4	149 W	30	79
3 27	13 22.02	−14 37.2	1.927	2.889	6.4	22.1	161 W	30	79
4 6	13 12.46	−13 50.1	1.883	2.877	2.8	21.9	172 W	31	78
4 16	13 2.47	−12 53.1	1.869	2.865	3.1	21.9	171 E	32	77
4 26	12 53.07	−11 52.4	1.884	2.851	6.8	22.1	160 E	33	76
5 6	12 45.14	−10 54.5	1.926	2.837	10.6	22.3	149 E	34	75

363019 1996 TD_{8}

2021	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
3 17	13 31.57	−14 37.0	2.871	3.762	7.7	21.8	149 W	30	79
3 27	13 24.99	−13 42.8	2.809	3.766	4.9	21.6	161 W	31	78
4 6	13 17.58	−12 39.4	2.776	3.770	2.0	21.4	172 W	32	77
4 16	13 9.94	−11 30.5	2.773	3.772	1.8	21.4	173 E	33	76
4 26	13 2.71	−10 20.6	2.802	3.773	4.6	21.6	162 E	35	74
5 6	12 56.44	− 9 14.4	2.860	3.774	7.4	21.8	151 E	36	73

388188 2006 DP_{14}

2021	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
3 17	13 31.57	−26 52.1	1.560	2.423	14.6	22.6	142 W	18	89
3 22	13 23.45	−26 41.4	1.519	2.420	12.7	22.5	148 W	18	89
3 27	13 14.55	−26 21.5	1.484	2.417	10.8	22.4	153 W	19	90
4 1	13 5.08	−25 52.2	1.457	2.412	9.0	22.2	158 W	19	90
4 6	12 55.25	−25 13.6	1.437	2.406	7.7	22.1	161 E	20	89
4 11	12 45.35	−24 26.2	1.426	2.399	7.4	22.1	162 E	21	88
4 16	12 35.65	−23 31.4	1.423	2.392	8.2	22.1	160 E	21	88
4 21	12 26.42	−22 30.9	1.428	2.383	9.7	22.2	156 E	22	87
4 26	12 17.86	−21 26.9	1.441	2.373	11.7	22.3	151 E	24	85
5 1	12 10.15	−20 21.3	1.461	2.362	13.9	22.4	146 E	25	84

164211 2004 JA_{27}

2021	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
3 17	13 31.92	− 5 58.8	1.185	2.119	12.5	22.1	153 W	39	70
3 27	13 20.80	− 4 47.3	1.103	2.084	6.9	21.7	165 W	40	69
4 6	13 6.81	− 3 22.3	1.047	2.046	1.7	21.3	177 W	42	67
4 16	12 51.48	− 1 53.7	1.018	2.007	6.8	21.5	166 E	43	66
4 26	12 36.82	− 0 34.2	1.015	1.964	13.5	21.7	153 E	44	65
5 6	12 24.63	+ 0 25.5	1.034	1.920	19.7	21.9	140 E	45	64

523611 2005 UY_{5}

2021	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
3 17	13 32.56	− 0 55.6	1.526	2.456	10.5	22.1	153 W	44	65
3 27	13 23.73	− 0 1.6	1.437	2.413	6.3	21.8	165 W	45	64
4 6	13 12.72	+ 0 55.5	1.374	2.369	3.4	21.5	172 W	46	63
4 16	13 0.62	+ 1 47.8	1.339	2.324	6.3	21.6	165 E	47	62
4 26	12 48.84	+ 2 27.2	1.331	2.277	11.3	21.7	154 E	47	62
5 6	12 38.72	+ 2 47.6	1.347	2.230	16.2	21.9	142 E	48	61

524593 2003 NZ

2021	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
3 17	13 33.33	+ 2 45.1	1.552	2.481	10.4	22.0	153 W	48	61
3 22	13 29.72	+ 3 19.3	1.507	2.461	8.6	21.8	158 W	48	61
3 27	13 25.52	+ 3 54.3	1.468	2.440	6.8	21.7	163 W	49	60
4 1	13 20.80	+ 4 29.1	1.436	2.419	5.5	21.5	167 W	49	60

524593 2003 NZ *(continuation)*

2021	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
4 6	13 15.69	+ 5 2.7	1.410	2.398	5.0	21.5	168 W	50	59
4 11	13 10.32	+ 5 33.9	1.392	2.377	5.8	21.5	166 E	51	58
4 16	13 4.86	+ 6 1.6	1.380	2.355	7.5	21.5	162 E	51	58
4 21	12 59.47	+ 6 24.7	1.374	2.333	9.6	21.6	157 E	51	58
4 26	12 54.34	+ 6 42.4	1.375	2.312	11.8	21.6	152 E	52	57
5 1	12 49.59	+ 6 54.3	1.382	2.290	14.1	21.7	146 E	52	57
5 6	12 45.36	+ 7 0.0	1.393	2.267	16.3	21.8	141 E	52	57

337144 1999 TQ_{231}

2021	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
3 17	13 33.99	− 1 19.8	1.670	2.596	10.0	21.5	153 W	44	65
3 22	13 30.32	− 0 44.4	1.632	2.586	8.1	21.4	159 W	44	65
3 27	13 26.13	− 0 7.4	1.601	2.575	6.1	21.3	164 W	45	64
4 1	13 21.52	+ 0 30.2	1.577	2.564	4.3	21.1	169 W	46	63
4 6	13 16.61	+ 1 7.6	1.559	2.553	3.4	21.0	171 W	46	63
4 11	13 11.52	+ 1 43.6	1.549	2.542	3.9	21.0	170 E	47	62
4 16	13 6.41	+ 2 17.2	1.546	2.530	5.6	21.1	166 E	47	62
4 21	13 1.43	+ 2 47.5	1.549	2.518	7.7	21.2	160 E	48	61
4 26	12 56.73	+ 3 13.7	1.560	2.506	9.9	21.3	155 E	48	61
5 1	12 52.42	+ 3 35.1	1.576	2.494	12.0	21.4	149 E	49	60
5 6	12 48.60	+ 3 51.4	1.598	2.482	14.0	21.5	143 E	49	60

455165 1999 AL_{10}

2021	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
3 17	13 35.53	−40 39.4	2.417	3.162	13.7	22.2	131 W	4	75
3 22	13 30.28	−41 3.6	2.392	3.176	12.8	22.2	135 W	4	75
3 27	13 24.53	−41 20.8	2.372	3.191	11.9	22.1	139 W	4	75
4 1	13 18.41	−41 30.9	2.358	3.205	11.1	22.1	142 W	3	74
4 6	13 12.07	−41 33.6	2.350	3.219	10.4	22.1	145 W	3	74
4 11	13 5.64	−41 28.9	2.348	3.232	9.8	22.0	147 E	4	75
4 16	12 59.30	−41 17.1	2.353	3.246	9.5	22.0	148 E	4	75
4 21	12 53.20	−40 58.9	2.364	3.259	9.5	22.1	148 E	4	75
4 26	12 47.47	−40 35.0	2.382	3.272	9.7	22.1	147 E	4	75
5 1	12 42.23	−40 6.4	2.406	3.285	10.1	22.1	145 E	5	76
5 6	12 37.57	−39 34.1	2.437	3.297	10.7	22.2	143 E	5	76

202079 2004 SR_{39}

2021	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
3 17	13 36.13	−10 30.7	2.161	3.065	9.3	21.4	150 W	34	75
3 27	13 28.58	− 9 46.8	2.094	3.059	5.7	21.2	162 W	35	74
4 6	13 19.77	− 8 54.2	2.056	3.053	1.9	20.9	174 W	36	73
4 16	13 10.51	− 7 57.4	2.047	3.046	2.2	20.9	173 E	37	72
4 26	13 1.70	− 7 1.9	2.067	3.037	6.1	21.2	161 E	38	71
5 6	12 54.13	− 6 13.1	2.116	3.028	9.7	21.4	149 E	39	70

187852 2000 AA_{170}

2021	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
3 17	13 36.48	+ 0 16.8	1.903	2.823	9.4	21.5	152 W	45	64
3 22	13 32.71	+ 0 54.8	1.880	2.828	7.6	21.4	158 W	46	63
3 27	13 28.53	+ 1 33.3	1.864	2.833	5.9	21.3	163 W	47	62
4 1	13 24.05	+ 2 11.4	1.855	2.838	4.4	21.2	167 W	47	62
4 6	13 19.38	+ 2 48.2	1.853	2.843	3.6	21.2	170 W	48	61
4 11	13 14.63	+ 3 22.7	1.858	2.847	4.1	21.2	168 E	48	61
4 16	13 9.93	+ 3 54.3	1.871	2.851	5.4	21.3	165 E	49	60
4 21	13 5.40	+ 4 22.1	1.891	2.855	7.0	21.4	160 E	49	60
4 26	13 1.17	+ 4 45.7	1.918	2.859	8.7	21.5	154 E	50	59
5 1	12 57.30	+ 5 4.6	1.951	2.862	10.4	21.6	149 E	50	59
5 6	12 53.88	+ 5 18.8	1.990	2.865	12.1	21.7	144 E	50	59

483795 2005 VJ_{82}

2021	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
3 17	13 36.59	−22 23.0	1.839	2.708	12.4	21.5	144 W	23	86
3 27	13 25.60	−22 51.8	1.797	2.732	9.0	21.4	155 W	22	87
4 6	13 13.15	−23 0.2	1.783	2.755	6.1	21.2	163 W	22	87
4 16	13 0.46	−22 49.4	1.797	2.777	5.5	21.2	165 E	22	87
4 26	12 48.81	−22 24.2	1.840	2.798	7.8	21.4	158 E	23	86
5 6	12 39.19	−21 51.4	1.910	2.819	10.8	21.6	148 E	23	86

455428 2003 QW_{10}

2021	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
3 17	13 36.70	−18 7.9	1.264	2.165	14.7	21.5	147 W	27	82
3 27	13 24.99	−18 18.0	1.207	2.165	9.9	21.2	158 W	27	82
4 6	13 10.94	−18 5.2	1.176	2.165	5.6	21.0	168 W	27	82
4 16	12 56.23	−17 32.0	1.171	2.162	5.7	21.0	168 E	27	82
4 26	12 42.76	−16 46.0	1.193	2.159	10.1	21.2	158 E	28	81
5 6	12 32.02	−15 57.3	1.239	2.154	15.0	21.5	146 E	29	80

4015 Wilson–Harrington

2021	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
3 17	13 37.60	−13 42.4	3.073	3.956	7.5	21.9	149 W	31	78
3 27	13 30.46	−13 5.6	2.976	3.929	4.9	21.7	160 W	32	77
4 6	13 22.27	−12 19.9	2.908	3.901	2.1	21.4	172 W	33	76
4 16	13 13.60	−11 27.9	2.872	3.871	1.5	21.3	174 E	34	75
4 26	13 5.09	−10 33.5	2.867	3.841	4.4	21.5	163 E	34	75
5 6	12 57.35	− 9 40.6	2.893	3.809	7.3	21.6	151 E	35	74

2021	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
416211 2002 UB_{31}									
	h m	° ′			°	m	°	°	°
3 17	13 37.63	+29 44.2	2.641	3.473	10.3	21.9	141 W	75	34
3 22	13 33.55	+30 19.2	2.623	3.468	10.0	21.8	143 W	75	34
3 27	13 29.10	+30 49.4	2.611	3.462	10.0	21.8	143 W	76	33
4 1	13 24.36	+31 14.2	2.606	3.456	10.0	21.8	143 W	76	33
4 6	13 19.45	+31 33.0	2.607	3.450	10.3	21.8	142 W	77	32
4 11	13 14.45	+31 45.1	2.615	3.443	10.8	21.8	140 E	77	32
4 16	13 9.49	+31 50.4	2.628	3.437	11.3	21.9	138 E	77	32
4 21	13 4.67	+31 48.7	2.647	3.430	12.0	21.9	135 E	77	32
4 26	13 0.09	+31 40.2	2.671	3.423	12.7	22.0	132 E	77	32
5 1	12 55.84	+31 25.1	2.700	3.415	13.4	22.0	128 E	76	33
5 6	12 51.98	+31 3.9	2.734	3.408	14.1	22.0	124 E	76	33
310024 2009 TA									
3 17	13 38.11	−23 22.8	3.063	3.905	8.8	21.7	143 W	22	87
3 27	13 30.40	−23 24.4	2.993	3.911	6.5	21.5	153 W	22	87
4 6	13 21.70	−23 13.0	2.950	3.915	4.5	21.4	162 W	22	87
4 16	13 12.62	−22 49.6	2.938	3.919	3.6	21.3	166 E	22	87
4 26	13 3.87	−22 17.1	2.956	3.922	4.7	21.4	161 E	23	86
5 6	12 56.08	−21 39.3	3.004	3.924	6.9	21.6	152 E	23	86
446825 2001 OM_{50}									
3 17	13 38.69	− 4 43.2	1.853	2.767	9.9	22.1	151 W	40	69
3 27	13 30.59	− 4 1.6	1.774	2.744	6.1	21.8	163 W	41	68
4 6	13 20.80	− 3 15.1	1.722	2.719	2.3	21.5	174 W	42	67
4 16	13 10.23	− 2 29.2	1.699	2.693	3.7	21.6	170 E	43	66
4 26	13 0.00	− 1 49.9	1.705	2.667	8.0	21.8	158 E	43	66
5 6	12 51.11	− 1 22.4	1.737	2.639	12.1	21.9	147 E	44	65
159368 1979 QB									
3 17	13 39.16	−13 14.8	2.261	3.153	9.5	21.9	148 W	32	77
3 27	13 31.28	−12 41.5	2.172	3.130	6.2	21.6	160 W	32	77
4 6	13 21.94	−11 57.0	2.112	3.106	2.5	21.4	172 W	33	76
4 16	13 11.94	−11 4.7	2.081	3.081	2.0	21.3	174 E	34	75
4 26	13 2.18	−10 9.6	2.081	3.054	5.8	21.5	162 E	35	74
5 6	12 53.52	− 9 17.3	2.109	3.027	9.5	21.7	150 E	36	73
423487 2005 TM_{55}									
3 17	13 40.13	−25 54.1	1.589	2.446	14.8	22.1	141 W	19	90
3 22	13 35.53	−25 58.3	1.558	2.451	13.0	22.0	146 W	19	90
3 27	13 30.32	−25 55.8	1.532	2.455	11.2	21.9	152 W	19	90
4 1	13 24.63	−25 46.6	1.512	2.460	9.4	21.8	156 W	19	90
4 6	13 18.60	−25 30.6	1.499	2.464	7.9	21.7	160 W	19	90
4 11	13 12.43	−25 8.3	1.492	2.468	6.8	21.6	163 E	20	89
4 16	13 6.30	−24 40.2	1.492	2.471	6.5	21.6	164 E	20	89
4 21	13 0.39	−24 7.5	1.499	2.475	7.2	21.7	162 E	21	88
4 26	12 54.89	−23 31.3	1.513	2.478	8.4	21.8	159 E	21	88
5 1	12 49.91	−22 52.9	1.533	2.480	10.1	21.8	155 E	22	87
5 6	12 45.58	−22 13.7	1.559	2.483	11.8	22.0	150 E	23	86
483502 2002 VF_{98}									
3 17	13 40.90	−40 9.3	2.125	2.877	15.2	22.5	131 W	5	76
3 22	13 36.64	−40 12.7	2.089	2.883	14.1	22.4	135 W	5	76
3 27	13 31.85	−40 8.6	2.058	2.888	13.0	22.3	139 W	5	76
4 1	13 26.63	−39 56.5	2.032	2.894	12.0	22.3	143 W	5	76
4 6	13 21.12	−39 36.4	2.012	2.899	11.0	22.2	146 W	5	76
4 11	13 15.49	−39 8.2	1.998	2.904	10.2	22.2	149 E	6	77
4 16	13 9.88	−38 32.5	1.990	2.908	9.7	22.1	151 E	6	77
4 21	13 4.47	−37 49.8	1.989	2.913	9.4	22.1	152 E	7	78
4 26	12 59.40	−37 1.2	1.994	2.917	9.6	22.2	151 E	8	79
5 1	12 54.80	−36 7.9	2.006	2.920	10.0	22.2	150 E	9	80
5 6	12 50.74	−35 11.1	2.025	2.924	10.8	22.2	147 E	10	81
175764 1998 US_{3}									
3 17	13 41.01	− 6 51.3	2.522	3.422	8.3	21.7	150 W	38	71
3 27	13 34.29	− 5 55.0	2.457	3.419	5.2	21.5	162 W	39	70
4 6	13 26.49	− 4 53.8	2.420	3.416	2.0	21.2	173 W	40	69
4 16	13 18.24	− 3 52.2	2.414	3.412	2.2	21.2	172 E	41	68
4 26	13 10.28	− 2 55.1	2.439	3.407	5.5	21.4	161 E	42	67
5 6	13 3.28	− 2 6.7	2.491	3.401	8.6	21.6	150 E	43	66
439936 2001 SS_{37}									
3 17	13 41.51	− 9 31.0	1.949	2.850	10.3	22.0	149 W	35	74
3 27	13 33.08	− 9 13.9	1.873	2.836	6.5	21.7	161 W	36	73
4 6	13 23.01	− 8 49.0	1.825	2.822	2.2	21.4	174 W	36	73
4 16	13 12.22	− 8 19.7	1.807	2.806	2.2	21.4	174 E	37	72
4 26	13 1.79	− 7 50.9	1.817	2.790	6.6	21.6	162 E	37	72
5 6	12 52.68	− 7 27.3	1.855	2.773	10.6	21.8	150 E	38	71

2021	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
523820 2011 GN_{44}									
	h m	° ′			°	m	°	°	°
3 17	13 43.07	− 8 57.6	1.779	2.682	11.0	22.4	149 W	36	73
3 27	13 26.90	− 9 39.3	1.658	2.627	6.5	22.0	163 W	35	74
4 6	13 7.38	−10 15.6	1.571	2.570	1.7	21.5	176 W	35	74
4 16	12 45.85	−10 45.8	1.521	2.510	4.9	21.6	168 E	34	75
4 26	12 24.30	−11 11.0	1.509	2.449	10.7	21.8	153 E	34	75
5 6	12 4.66	−11 34.5	1.529	2.386	16.0	22.0	139 E	33	76
465914 2010 VQ_{152}									
3 17	13 43.23	−29 54.1	2.573	3.379	11.3	21.9	138 W	15	86
3 27	13 36.08	−29 40.2	2.476	3.362	9.1	21.7	148 W	15	86
4 6	13 27.51	−29 5.8	2.404	3.344	6.9	21.5	156 W	16	87
4 16	13 18.24	−28 11.3	2.359	3.325	5.5	21.4	161 E	17	88
4 26	13 9.17	−27 0.1	2.344	3.306	6.1	21.4	160 E	18	89
5 6	13 1.11	−25 38.0	2.356	3.285	8.1	21.5	153 E	19	90
541852 2012 BF_{61}									
3 17	13 45.34	−50 16.6	2.615	3.258	14.9	22.5	122 W	—	66
3 22	13 40.51	−50 38.7	2.582	3.268	14.3	22.4	126 W	—	65
3 27	13 35.09	−50 53.7	2.554	3.278	13.6	22.4	129 W	—	65
4 1	13 29.20	−51 1.0	2.530	3.287	13.0	22.4	132 W	—	65
4 6	13 22.97	−51 0.3	2.512	3.297	12.4	22.3	135 W	—	65
4 11	13 16.58	−50 51.4	2.498	3.306	11.9	22.3	137 E	—	65
4 16	13 10.19	−50 34.4	2.491	3.315	11.4	22.3	139 E	—	65
4 21	13 3.99	−50 9.6	2.489	3.323	11.2	22.3	140 E	—	66
4 26	12 58.14	−49 37.8	2.492	3.332	11.0	22.3	141 E	—	66
5 1	12 52.76	−48 59.8	2.502	3.340	11.1	22.3	140 E	—	67
5 6	12 47.98	−48 16.6	2.518	3.348	11.3	22.3	139 E	—	68
455550 2004 JO_{2}									
3 17	13 47.03	−21 25.4	2.197	3.048	11.4	22.0	143 W	24	85
3 27	13 39.28	−20 32.2	2.079	3.008	8.3	21.8	154 W	24	85
4 6	13 29.71	−19 17.3	1.988	2.966	5.0	21.5	165 W	26	83
4 16	13 19.07	−17 43.1	1.927	2.923	3.0	21.3	171 E	27	82
4 26	13 8.40	−15 55.4	1.897	2.877	5.5	21.3	164 E	29	80
5 6	12 58.70	−14 2.6	1.896	2.831	9.4	21.5	153 E	31	78
370723 2004 RC_{57}									
3 17	13 47.30	− 2 34.4	1.470	2.381	12.2	21.6	150 W	42	67
3 27	13 41.11	− 1 18.4	1.386	2.350	8.2	21.2	160 W	44	65
4 6	13 32.69	+ 0 4.1	1.327	2.318	4.5	20.9	170 W	45	64
4 16	13 22.97	+ 1 24.6	1.295	2.286	5.2	20.9	168 E	46	63
4 26	13 13.23	+ 2 33.0	1.289	2.254	9.6	21.0	158 E	48	61
5 6	13 4.74	+ 3 21.6	1.306	2.221	14.3	21.2	147 E	48	61
5 16	12 58.51	+ 3 45.6	1.343	2.188	18.7	21.4	136 E	49	60
449086 2012 RY_{16}									
3 17	13 48.08	−12 44.2	1.259	2.160	14.7	21.9	147 W	32	77
3 27	13 40.98	−12 37.4	1.166	2.125	10.0	21.5	158 W	32	77
4 6	13 30.95	−12 14.9	1.095	2.088	4.7	21.1	170 W	33	76
4 16	13 19.04	−11 39.3	1.050	2.052	2.2	20.8	175 E	33	76
4 26	13 6.87	−10 57.2	1.030	2.015	8.1	21.1	164 E	34	75
5 6	12 56.15	−10 17.1	1.033	1.977	14.2	21.3	151 E	35	74
5 16	12 48.30	− 9 47.4	1.056	1.940	19.7	21.4	140 E	35	74
518482 2005 TZ_{42}									
3 17	13 48.15	− 2 40.3	1.717	2.623	11.2	21.6	149 W	42	67
3 27	13 41.49	− 1 13.9	1.637	2.598	7.4	21.3	160 W	44	65
4 6	13 32.92	+ 0 18.4	1.583	2.573	4.1	21.0	169 W	45	64
4 16	13 23.31	+ 1 48.4	1.557	2.547	4.8	21.0	168 E	47	62
4 26	13 13.76	+ 3 7.1	1.560	2.520	8.7	21.2	158 E	48	61
5 6	13 5.37	+ 4 7.3	1.587	2.492	12.9	21.3	147 E	49	60
487897 2015 TH_{166}									
3 17	13 48.59	−11 13.1	1.606	2.500	12.5	21.5	147 W	34	75
3 27	13 42.36	− 9 59.0	1.517	2.474	8.3	21.2	159 W	35	74
4 6	13 34.05	− 8 28.7	1.454	2.448	3.6	20.8	171 W	37	72
4 16	13 24.54	− 6 48.8	1.418	2.420	1.8	20.6	176 E	38	71
4 26	13 15.04	− 5 9.0	1.410	2.392	6.9	20.9	163 E	40	69
5 6	13 6.72	− 3 38.9	1.428	2.363	11.9	21.1	151 E	41	68
5 16	13 0.53	− 2 26.4	1.469	2.334	16.3	21.3	140 E	43	66
5 26	12 57.05	− 1 36.2	1.528	2.303	20.0	21.4	129 E	43	66
393858 2005 ST_{220}									
3 17	13 50.93	−20 8.2	1.817	2.676	13.0	21.4	143 W	25	84
3 27	13 43.79	−19 48.9	1.726	2.658	9.6	21.1	154 W	25	84
4 6	13 34.63	−19 10.2	1.660	2.638	5.8	20.9	165 W	26	83
4 16	13 24.32	−18 14.1	1.622	2.618	3.3	20.7	171 E	27	82
4 26	13 14.04	−17 5.8	1.611	2.597	5.7	20.8	165 E	28	81
5 6	13 4.93	−15 52.9	1.628	2.575	9.8	20.9	154 E	29	80
5 16	12 57.90	−14 43.4	1.669	2.552	13.7	21.1	143 E	30	79
5 26	12 53.53	−13 44.5	1.731	2.528	17.2	21.3	133 E	31	78
6 5	12 51.99	−13 0.3	1.808	2.503	20.0	21.5	122 E	32*	77

2021	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
	h m	° ′			°	m	°	°	°
390872 2004 TL_{130}									
3 17	13 51.44	− 4 0.6	1.578	2.481	12.2	21.4	148 W	41	68
3 27	13 45.48	− 2 38.1	1.490	2.450	8.2	21.1	159 W	42	67
4 6	13 37.35	− 1 6.9	1.428	2.418	4.5	20.8	169 W	44	65
4 16	13 27.90	+ 0 24.8	1.392	2.385	4.5	20.7	169 E	45	64
4 26	13 18.32	+ 1 47.1	1.383	2.352	8.6	20.9	160 E	47	62
5 6	13 9.79	+ 2 51.6	1.399	2.319	13.2	21.0	148 E	48	61
5 16	13 3.32	+ 3 32.8	1.437	2.285	17.5	21.2	137 E	49	60
5 26	12 59.56	+ 3 48.6	1.491	2.250	21.1	21.4	127 E	49	60
358471 2007 NS_4									
3 17	13 52.16	−12 19.5	1.238	2.136	15.1	22.0	146 W	33	76
3 22	13 45.00	−11 53.9	1.233	2.167	12.2	22.0	153 W	33	76
3 27	13 37.32	−11 24.2	1.236	2.198	9.1	21.9	160 W	34	75
4 1	13 29.34	−10 51.3	1.245	2.229	6.0	21.8	166 W	34	75
4 6	13 21.29	−10 16.4	1.261	2.258	3.0	21.7	173 W	35	74
4 11	13 13.40	− 9 40.6	1.285	2.287	0.8	21.6	178 E	35	74
4 16	13 5.89	− 9 5.1	1.317	2.315	3.3	21.8	172 E	36	73
4 21	12 58.95	− 8 31.4	1.356	2.343	6.0	22.1	166 E	36	73
4 26	12 52.71	− 8 0.3	1.401	2.370	8.6	22.3	159 E	37	72
5 1	12 47.26	− 7 32.6	1.454	2.396	10.9	22.5	153 E	37	72
351664 2006 AP_2									
3 17	13 52.97	−12 8.0	2.080	2.956	10.9	21.7	146 W	33	76
3 27	13 45.96	−11 15.7	2.016	2.963	7.4	21.5	158 W	34	75
4 6	13 37.46	−10 13.0	1.979	2.969	3.4	21.3	170 W	35	74
4 16	13 28.26	− 9 4.7	1.971	2.974	0.7	21.1	178 E	36	73
4 26	13 19.30	− 7 56.9	1.993	2.978	4.8	21.4	166 E	37	72
5 6	13 11.43	− 6 55.5	2.043	2.981	8.6	21.6	154 E	38	71
393364 1999 RK_1									
3 17	13 53.04	−30 53.2	2.037	2.837	14.1	21.6	136 W	14	85
3 22	13 47.83	−31 26.0	2.001	2.842	12.8	21.5	141 W	14	85
3 27	13 41.96	−31 53.4	1.970	2.847	11.5	21.5	145 W	13	84
4 1	13 35.55	−32 14.6	1.946	2.851	10.3	21.4	149 W	13	84
4 6	13 28.71	−32 29.3	1.928	2.856	9.2	21.3	153 W	13	84
4 11	13 21.61	−32 37.2	1.917	2.860	8.3	21.3	156 W	12	83
4 16	13 14.43	−32 38.3	1.914	2.864	7.9	21.3	157 E	12	83
4 21	13 7.36	−32 33.2	1.917	2.867	8.0	21.3	157 E	12	83
4 26	13 0.55	−32 22.4	1.928	2.870	8.6	21.3	155 E	13	84
5 1	12 54.18	−32 6.8	1.946	2.873	9.5	21.4	152 E	13	84
5 6	12 48.36	−31 47.4	1.970	2.876	10.7	21.4	148 E	13	84
5 11	12 43.20	−31 25.4	2.000	2.879	11.9	21.5	144 E	14	85
376876 2001 VC_{56}									
3 17	13 53.72	−17 47.9	2.080	2.938	11.7	22.3	143 W	27	82
3 27	13 46.64	−17 22.2	1.998	2.931	8.4	22.1	155 W	28	81
4 6	13 37.85	−16 41.6	1.941	2.922	4.7	21.9	166 W	28	81
4 16	13 28.14	−15 48.5	1.913	2.912	2.1	21.7	174 E	29	80
4 26	13 18.52	−14 48.0	1.914	2.902	4.6	21.8	167 E	30	79
5 6	13 9.92	−13 46.3	1.943	2.890	8.4	22.0	155 E	31	78
65706 1992 NA									
3 17	13 55.51	−19 35.6	2.477	3.318	10.6	21.7	142 W	25	84
3 27	13 47.75	−19 26.0	2.364	3.285	7.9	21.5	153 W	26	83
4 6	13 38.23	−19 2.4	2.277	3.251	4.8	21.3	164 W	26	83
4 16	13 27.63	−18 25.5	2.220	3.216	2.7	21.1	171 E	27	82
4 26	13 16.83	−17 38.4	2.194	3.179	4.5	21.1	166 E	27	82
5 6	13 6.75	−16 46.0	2.198	3.140	7.8	21.3	155 E	28	81
5 16	12 58.19	−15 53.8	2.229	3.100	11.2	21.4	144 E	29	80
488498 2000 QJ_{117}									
3 17	13 57.31	+ 9 34.6	2.458	3.333	9.5	22.1	146 W	55	54
3 22	13 54.63	+10 22.4	2.415	3.319	8.5	22.0	151 W	55	54
3 27	13 51.52	+11 10.0	2.379	3.306	7.6	21.9	154 W	56	53
4 1	13 48.04	+11 56.3	2.351	3.292	6.9	21.9	157 W	57	52
4 6	13 44.26	+12 40.7	2.329	3.278	6.6	21.8	158 W	58	51
4 11	13 40.25	+13 22.1	2.314	3.264	6.7	21.8	158 W	58	51
4 16	13 36.11	+13 59.7	2.307	3.249	7.2	21.8	156 E	59	50
4 21	13 31.93	+14 32.8	2.306	3.234	8.1	21.8	153 E	60	49
4 26	13 27.82	+15 0.9	2.312	3.219	9.2	21.9	149 E	60	49
5 1	13 23.87	+15 23.6	2.325	3.204	10.3	21.9	145 E	60	49
5 6	13 20.16	+15 40.7	2.343	3.189	11.6	22.0	141 E	61	48
5 11	13 16.77	+15 52.0	2.367	3.173	12.8	22.0	136 E	61	48
416187 2002 TP_{65}									
3 17	13 57.36	+24 23.2	2.644	3.474	10.4	22.0	141 W	69	40
3 22	13 53.57	+24 55.5	2.618	3.469	9.9	21.9	143 W	70	39
3 27	13 49.36	+25 24.2	2.599	3.465	9.5	21.9	145 W	70	39
4 1	13 44.80	+25 48.6	2.586	3.460	9.3	21.9	146 W	71	38
4 6	13 39.99	+26 8.0	2.579	3.455	9.3	21.9	146 W	71	38
4 11	13 35.01	+26 21.7	2.579	3.449	9.5	21.9	145 W	71	38

2021	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
416187 2002 TP_{65} *(continuation)*									
4 16	13 29.97	+26 29.3	2.585	3.444	10.0	21.9	143 E	71	38
4 21	13 24.99	+26 30.5	2.598	3.438	10.6	21.9	141 E	72	37
4 26	13 20.16	+26 25.3	2.617	3.432	11.3	22.0	138 E	71	38
5 1	13 15.57	+26 13.8	2.641	3.426	12.1	22.0	135 E	71	38
5 6	13 11.31	+25 56.3	2.671	3.419	12.9	22.1	131 E	71	38
5 11	13 7.44	+25 33.0	2.705	3.413	13.6	22.1	127 E	71	38
152560 1991 BN									
3 17	13 57.87	−18 39.7	1.011	1.896	18.9	21.5	142 W	26	83
3 27	13 47.62	−18 10.5	0.920	1.868	13.5	21.1	154 W	27	82
4 6	13 32.98	−17 7.2	0.849	1.837	7.3	20.6	166 W	28	81
4 16	13 15.35	−15 30.0	0.803	1.803	4.2	20.3	173 E	29	80
4 21	13 6.17	−14 31.4	0.790	1.785	6.8	20.4	168 E	30	79
4 26	12 57.22	−13 28.9	0.783	1.766	10.4	20.5	161 E	32	77
5 1	12 48.82	−12 24.9	0.781	1.746	14.3	20.6	155 E	33	76
5 6	12 41.25	−11 21.9	0.786	1.726	18.1	20.7	148 E	34	75
5 11	12 34.74	−10 22.3	0.795	1.705	21.7	20.8	141 E	35	74
5 16	12 29.44	− 9 27.9	0.808	1.683	25.1	20.9	135 E	36	73
5 21	12 25.43	− 8 40.4	0.824	1.660	28.2	21.0	129 E	36	73
5 26	12 22.73	− 8 0.5	0.843	1.637	31.0	21.1	124 E	37	72
5 31	12 21.31	− 7 28.6	0.863	1.613	33.6	21.2	118 E	37*	71
6 5	12 21.11	− 7 4.7	0.885	1.588	35.9	21.3	113 E	37*	71
6 10	12 22.07	− 6 48.7	0.907	1.563	38.0	21.4	109 E	36*	71
6 15	12 24.13	− 6 40.4	0.929	1.537	39.8	21.5	104 E	34*	71
348442 2005 QY_{88}									
3 17	13 58.85	−13 23.0	2.006	2.871	11.8	22.4	144 W	32	77
3 27	13 51.97	−12 45.1	1.927	2.866	8.2	22.2	156 W	32	77
4 6	13 43.31	−11 55.4	1.874	2.860	4.2	21.9	168 W	33	76
4 16	13 33.67	−10 57.5	1.850	2.853	0.4	21.6	179 E	34	75
4 26	13 24.03	− 9 56.9	1.855	2.845	4.4	21.9	167 E	35	74
5 6	13 15.36	− 9 0.0	1.888	2.836	8.5	22.1	155 E	36	73
537342 2015 KN_{120}									
3 17	13 58.97	−10 17.7	0.831	1.742	19.1	22.2	145 W	35	74
3 22	13 57.53	− 8 37.8	0.778	1.718	16.5	21.9	151 W	36	73
3 27	13 55.02	− 6 40.7	0.730	1.693	13.5	21.6	157 W	38	71
4 1	13 51.44	− 4 26.4	0.688	1.668	10.4	21.4	162 W	41	68
4 6	13 46.84	− 1 55.8	0.651	1.643	7.6	21.1	167 W	43	66
4 11	13 41.30	+ 0 48.7	0.621	1.616	6.6	20.9	169 W	46	63
4 16	13 35.04	+ 3 43.0	0.597	1.590	8.6	20.9	166 E	49	60
4 21	13 28.29	+ 6 41.9	0.580	1.563	12.5	20.9	160 E	52	57
4 26	13 21.38	+ 9 39.3	0.568	1.536	17.0	21.0	154 E	55	54
5 1	13 14.60	+12 29.3	0.562	1.508	21.7	21.1	146 E	57	52
5 6	13 8.26	+15 7.1	0.560	1.480	26.3	21.2	139 E	60	49
5 11	13 2.67	+17 28.8	0.563	1.452	30.8	21.3	133 E	62	47
5 16	12 58.07	+19 32.4	0.568	1.423	35.0	21.4	126 E	65	44
5 21	12 54.64	+21 17.4	0.576	1.394	38.8	21.5	120 E	66	43
193828 2001 QC_{35}									
3 17	13 59.46	−18 14.1	1.901	2.753	12.9	21.7	142 W	27	82
3 27	13 52.60	−17 59.4	1.806	2.734	9.5	21.4	153 W	27	82
4 6	13 43.64	−17 28.6	1.736	2.713	5.7	21.1	164 W	28	81
4 16	13 33.38	−16 43.2	1.693	2.692	2.5	20.9	173 E	28	81
4 26	13 22.92	−15 47.7	1.679	2.670	4.7	21.0	168 E	29	80
5 6	13 13.38	−14 48.5	1.693	2.647	8.8	21.2	156 E	30	79
5 16	13 5.69	−13 52.6	1.731	2.624	12.8	21.3	145 E	31	78
496861 2000 BE_{19}									
3 17	14 0.45	+ 1 7.0	1.777	2.664	11.9	22.1	147 W	46	63
3 22	13 55.41	+ 1 41.8	1.757	2.680	10.0	22.0	152 W	47	62
3 27	13 49.85	+ 2 16.6	1.745	2.695	8.1	21.9	158 W	47	62
4 1	13 43.89	+ 2 50.6	1.739	2.709	6.3	21.9	163 W	48	61
4 6	13 37.65	+ 3 22.8	1.741	2.724	5.0	21.8	166 W	48	61
4 11	13 31.29	+ 3 52.4	1.750	2.737	4.6	21.8	167 W	49	60
4 16	13 24.97	+ 4 18.5	1.767	2.750	5.3	21.9	165 E	49	60
4 21	13 18.83	+ 4 40.5	1.792	2.763	6.7	22.0	161 E	50	59
4 26	13 13.02	+ 4 57.8	1.824	2.775	8.4	22.1	156 E	50	59
5 1	13 7.64	+ 5 10.4	1.863	2.786	10.1	22.2	151 E	50	59
5 6	13 2.78	+ 5 18.0	1.908	2.797	11.8	22.4	145 E	50	59
5 11	12 58.52	+ 5 20.8	1.959	2.808	13.4	22.5	140 E	50	59
466053 2011 QF_{23}									
3 17	14 0.60	+11 48.9	1.244	2.138	15.4	22.1	145 W	57	52
3 22	13 58.12	+13 40.6	1.203	2.118	14.2	21.9	149 W	59	50
3 27	13 54.80	+15 34.9	1.169	2.098	13.3	21.8	151 W	61	48
4 1	13 50.70	+17 29.3	1.142	2.078	13.0	21.7	152 W	62	47
4 6	13 45.90	+19 21.3	1.120	2.058	13.3	21.7	152 W	64	45
4 11	13 40.53	+21 7.6	1.106	2.037	14.2	21.7	150 W	66	43
4 16	13 34.78	+22 45.6	1.097	2.015	15.6	21.7	147 E	68	41

2021	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
466053 2011 QF_{23} *(continuation)*									
	h m	° ′			°	m	°	°	°
4 21	13 28.85	+24 12.8	1.095	1.994	17.5	21.7	143 E	69	40
4 26	13 22.96	+25 27.4	1.097	1.972	19.5	21.8	139 E	70	39
5 1	13 17.33	+26 28.4	1.104	1.949	21.6	21.8	135 E	71	38
5 6	13 12.15	+27 15.3	1.116	1.927	23.6	21.9	130 E	72	37
5 11	13 7.60	+27 48.1	1.131	1.904	25.6	21.9	125 E	73	36
257744 2000 AD_{205}									
3 17	14 4.63	− 3 56.9	1.429	2.316	14.2	22.0	145 W	41	68
3 27	13 55.67	− 2 11.2	1.319	2.271	10.0	21.6	157 W	43	66
4 6	13 43.36	− 0 9.2	1.235	2.222	5.6	21.2	167 W	45	64
4 16	13 28.57	+ 1 59.0	1.179	2.171	5.6	21.1	168 E	47	62
4 26	13 12.89	+ 3 59.2	1.153	2.116	10.7	21.2	157 E	49	60
5 6	12 58.11	+ 5 38.1	1.154	2.059	16.6	21.4	144 E	51	58
442715 2012 UQ_{166}									
3 17	14 5.40	−23 6.7	1.480	2.319	16.6	21.5	138 W	22	87
3 27	14 0.05	−23 0.3	1.380	2.293	13.0	21.2	149 W	22	87
4 6	13 51.88	−22 29.2	1.301	2.266	8.9	20.8	159 W	23	86
4 16	13 41.69	−21 32.7	1.246	2.238	5.2	20.6	168 W	23	86
4 26	13 30.85	−20 14.7	1.216	2.210	5.6	20.5	168 E	25	84
5 1	13 25.65	−19 30.2	1.211	2.196	7.5	20.6	163 E	25	84
5 6	13 20.85	−18 43.8	1.212	2.181	9.9	20.7	158 E	26	83
5 11	13 16.59	−17 56.9	1.219	2.167	12.3	20.7	153 E	27	82
5 16	13 13.03	−17 11.1	1.232	2.153	14.7	20.8	147 E	28	81
5 21	13 10.24	−16 27.6	1.249	2.138	17.0	20.9	142 E	29	80
5 26	13 8.29	−15 47.7	1.271	2.123	19.2	21.0	137 E	29	80
5 31	13 7.21	−15 12.0	1.296	2.109	21.1	21.1	131 E	30	79
6 5	13 6.99	−14 41.2	1.325	2.094	22.9	21.2	126 E	30*	79
6 10	13 7.64	−14 15.6	1.357	2.079	24.5	21.3	122 E	30*	78
6 15	13 9.13	−13 55.4	1.391	2.064	25.9	21.4	117 E	30*	78
6 20	13 11.42	−13 40.7	1.427	2.049	27.2	21.4	113 E	29*	78
285818 2001 BZ_{39}									
3 17	14 7.17	−18 58.1	1.530	2.379	15.6	22.3	140 W	26	83
3 27	13 58.16	−17 55.1	1.489	2.416	11.2	22.1	152 W	27	82
4 6	13 47.14	−16 32.4	1.473	2.452	6.3	21.9	164 W	28	81
4 16	13 35.33	−14 56.0	1.484	2.486	2.0	21.7	175 E	30	79
4 26	13 24.12	−13 15.6	1.525	2.518	4.8	21.9	168 E	32	77
5 6	13 14.66	−11 41.1	1.594	2.548	9.3	22.3	156 E	33	76
309728 2008 JF									
3 17	14 8.32	+21 50.7	1.412	2.265	16.4	21.4	140 W	67	42
3 22	14 4.59	+22 53.3	1.372	2.247	15.6	21.3	143 W	68	41
3 27	13 59.97	+23 52.8	1.339	2.228	15.0	21.2	145 W	69	40
4 1	13 54.54	+24 47.3	1.310	2.209	14.7	21.1	146 W	70	39
4 6	13 48.39	+25 34.7	1.288	2.190	14.8	21.1	146 W	71	38
4 11	13 41.68	+26 13.2	1.271	2.170	15.3	21.0	145 W	71	38
4 16	13 34.62	+26 41.1	1.260	2.149	16.2	21.0	143 E	72	37
4 21	13 27.42	+26 57.2	1.254	2.129	17.4	21.0	141 E	72	37
4 26	13 20.33	+27 0.8	1.253	2.108	18.8	21.1	138 E	72	37
5 1	13 13.56	+26 51.9	1.257	2.086	20.3	21.1	134 E	72	37
5 6	13 7.30	+26 30.7	1.265	2.064	22.0	21.1	130 E	72	37
5 11	13 1.73	+25 57.8	1.277	2.042	23.6	21.2	126 E	71	38
5 16	12 56.97	+25 14.3	1.292	2.019	25.1	21.2	122 E	70	39
5 21	12 53.11	+24 21.3	1.310	1.996	26.6	21.3	118 E	69	40
5 26	12 50.20	+23 20.0	1.331	1.973	28.0	21.3	114 E	68	41
5 31	12 48.24	+22 11.6	1.353	1.949	29.3	21.4	110 E	67	42
6 5	12 47.22	+20 57.0	1.376	1.925	30.4	21.4	106 E	65*	43
6 10	12 47.10	+19 37.3	1.401	1.900	31.4	21.5	103 E	63*	44
508341 2015 XB_1									
3 17	14 12.60	−47 15.4	1.062	1.797	28.1	21.3	122 W	—	69
3 22	14 11.27	−47 12.5	1.012	1.788	26.9	21.2	126 W	—	69
3 27	14 8.71	−46 55.5	0.965	1.779	25.5	21.0	130 W	—	69
4 1	14 4.96	−46 22.4	0.920	1.769	23.8	20.9	134 W	—	70
4 6	14 0.15	−45 30.7	0.879	1.759	22.1	20.7	139 W	—	70
4 11	13 54.46	−44 18.3	0.842	1.750	20.1	20.5	143 W	1	72
4 16	13 48.19	−42 43.5	0.809	1.740	18.2	20.4	147 W	2	73
4 21	13 41.70	−40 45.8	0.781	1.729	16.4	20.2	151 E	4	75
4 26	13 35.35	−38 26.2	0.759	1.719	15.1	20.1	154 E	7	78
5 1	13 29.47	−35 46.8	0.742	1.709	14.5	20.0	155 E	9	80
5 6	13 24.33	−32 51.5	0.732	1.698	14.9	20.0	154 E	12	83
5 11	13 20.18	−29 45.3	0.728	1.688	16.3	20.0	152 E	15	86
5 16	13 17.16	−26 34.1	0.730	1.677	18.4	20.1	148 E	18	89
5 21	13 15.34	−23 23.9	0.738	1.666	21.0	20.2	144 E	22	87
5 26	13 14.74	−20 20.0	0.752	1.655	23.7	20.3	139 E	25	84
5 31	13 15.30	−17 26.4	0.771	1.644	26.4	20.4	134 E	28	81
6 5	13 16.96	−14 45.9	0.794	1.633	29.0	20.5	129 E	30	79
6 10	13 19.64	−12 20.5	0.821	1.623	31.3	20.7	124 E	33*	76
6 15	13 23.26	−10 10.7	0.851	1.612	33.4	20.8	119 E	34*	74
6 20	13 27.74	− 8 16.5	0.883	1.601	35.2	20.9	115 E	35*	72

2021	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
508341 2015 XB_1 *(continuation)*									
	h m	° ′			°	m	°	°	°
6 25	13 32.99	− 6 37.3	0.917	1.590	36.8	21.0	111 E	36*	71
6 30	13 38.92	− 5 11.9	0.953	1.580	38.1	21.1	107 E	37*	69
7 5	13 45.46	− 3 59.2	0.989	1.569	39.2	21.2	103 E	37*	68
7 10	13 52.57	− 2 58.0	1.026	1.559	40.1	21.3	99 E	37*	67
7 15	14 0.19	− 2 7.2	1.064	1.548	40.7	21.4	96 E	37*	66
7 20	14 8.29	− 1 25.5	1.101	1.538	41.3	21.5	93 E	37*	65
312956 1997 CZ_3									
3 17	14 18.64	−25 26.5	1.016	1.854	22.5	21.9	134 W	20	89
3 22	14 14.81	−25 53.8	0.953	1.830	20.6	21.6	140 W	19	90
3 27	14 9.47	−26 15.8	0.893	1.804	18.4	21.4	145 W	19	90
4 1	14 2.54	−26 30.7	0.838	1.778	16.0	21.1	151 W	18	89
4 6	13 53.96	−26 36.7	0.788	1.750	13.5	20.9	156 W	18	89
4 11	13 43.80	−26 31.7	0.744	1.721	11.1	20.6	161 W	18	89
4 16	13 32.22	−26 13.8	0.705	1.692	9.5	20.4	164 E	19	90
4 21	13 19.55	−25 41.7	0.672	1.661	9.7	20.3	164 E	19	90
4 26	13 6.23	−24 55.1	0.646	1.629	12.0	20.2	160 E	20	89
5 1	12 52.74	−23 54.8	0.626	1.596	15.5	20.2	155 E	21	88
5 6	12 39.62	−22 43.0	0.611	1.562	19.8	20.3	148 E	22	87
5 11	12 27.37	−21 23.0	0.602	1.527	24.4	20.4	141 E	24	85
5 16	12 16.38	−19 58.7	0.597	1.491	29.0	20.4	134 E	25	84
5 21	12 6.92	−18 34.1	0.596	1.454	33.6	20.5	127 E	26	83
5 26	11 59.12	−17 12.5	0.598	1.415	37.9	20.6	121 E	28*	81
5 31	11 52.98	−15 56.3	0.601	1.376	42.1	20.6	114 E	28*	80
6 5	11 48.44	−14 46.9	0.604	1.335	46.1	20.7	108 E	27*	79
6 10	11 45.40	−13 45.2	0.608	1.294	50.0	20.7	103 E	26*	78
6 15	11 43.72	−12 51.3	0.610	1.251	53.6	20.8	97 E	25*	77
6 20	11 43.25	−12 4.7	0.611	1.207	57.3	20.8	92 E	23*	76
6 25	11 43.78	−11 24.6	0.609	1.163	60.9	20.8	88 E	21*	75*
6 30	11 45.13	−10 49.5	0.605	1.117	64.6	20.8	83 E	19*	73*
7 5	11 47.11	−10 17.9	0.597	1.071	68.4	20.8	78 E	17*	70*
7 10	11 49.52	− 9 47.7	0.586	1.025	72.6	20.8	74 E	15*	67*
7 15	11 52.11	− 9 16.6	0.570	0.978	77.1	20.8	70 E	14*	63*
7 20	11 54.54	− 8 41.1	0.551	0.932	82.2	20.8	65 E	12*	59*
7 25	11 56.40	− 7 56.7	0.527	0.886	88.1	20.8	61 E	11*	54*
7 30	11 57.12	− 6 57.4	0.500	0.841	95.0	20.9	56 E	9*	50*
8 4	11 55.99	− 5 35.3	0.470	0.798	103.2	21.1	50 E	8*	44*
8 9	11 52.06	− 3 40.2	0.438	0.758	113.1	21.4	43 E	7*	37*
469219 Kamo`oalewa									
3 17	14 19.00	+45 56.1	0.170	1.100	48.2	22.5	124 W	89	18
3 22	14 2.90	+47 9.6	0.167	1.102	47.2	22.4	126 W	88	17
3 27	13 43.64	+47 48.7	0.164	1.104	46.5	22.3	127 W	87	16
4 1	13 22.22	+47 45.9	0.162	1.104	46.2	22.3	127 W	87	16
4 6	13 0.00	+46 56.0	0.161	1.104	46.6	22.3	127 W	88	17
4 11	12 38.55	+45 17.7	0.161	1.104	47.4	22.3	126 E	90	19
4 16	12 19.30	+42 54.7	0.162	1.103	48.8	22.4	124 E	88	21
4 21	12 3.10	+39 55.1	0.164	1.101	50.6	22.5	122 E	85	24
4 26	11 50.21	+36 28.5	0.167	1.099	52.7	22.6	120 E	81	28
390819 2004 LE_2									
3 17	14 19.67	− 7 9.8	1.347	2.209	16.5	21.3	141 W	38	71
3 27	14 15.24	− 6 47.6	1.232	2.163	12.6	20.9	152 W	38	71
4 6	14 7.47	− 6 16.3	1.138	2.116	7.9	20.5	163 W	39	70
4 16	13 56.85	− 5 39.7	1.068	2.068	3.3	20.0	173 W	39	70
4 21	13 50.81	− 5 21.6	1.042	2.043	3.2	20.0	174 E	40	69
4 26	13 44.54	− 5 5.0	1.022	2.019	5.4	20.0	169 E	40	69
5 1	13 38.26	− 4 50.7	1.009	1.995	8.4	20.1	163 E	40	69
5 6	13 32.16	− 4 39.7	1.001	1.970	11.4	20.2	157 E	40	69
5 11	13 26.48	− 4 33.0	0.999	1.946	14.5	20.3	151 E	40	69
5 16	13 21.41	− 4 31.1	1.002	1.922	17.5	20.3	145 E	40	69
5 26	13 13.70	− 4 44.2	1.021	1.873	22.9	20.5	134 E	40	69
6 5	13 9.78	− 5 20.2	1.053	1.824	27.5	20.6	124 E	40*	69
6 15	13 9.92	− 6 18.7	1.093	1.776	31.3	20.8	115 E	38*	70
6 25	13 14.02	− 7 37.5	1.138	1.729	34.3	20.9	107 E	34*	72
7 5	13 21.77	− 9 13.7	1.184	1.682	36.6	21.0	99 E	30*	73
7 15	13 32.89	−11 4.6	1.230	1.638	38.3	21.1	93 E	26*	75
7 25	13 47.11	−13 7.2	1.274	1.595	39.5	21.1	88 E	22*	76*
8 4	14 4.22	−15 18.0	1.315	1.555	40.3	21.1	83 E	19*	75*
8 14	14 24.11	−17 33.7	1.353	1.517	40.8	21.2	78 E	17*	72*
8 24	14 46.71	−19 50.3	1.388	1.483	41.1	21.2	75 E	15*	69*
9 3	15 11.99	−22 2.9	1.421	1.453	41.1	21.2	71 E	14*	65*
9 13	15 39.93	−24 6.5	1.453	1.428	40.9	21.2	68 E	13*	62*
9 23	16 10.45	−25 54.9	1.484	1.408	40.5	21.2	66 E	12*	60*
10 3	16 43.34	−27 21.9	1.516	1.393	40.0	21.2	63 E	12*	57*
10 13	17 18.32	−28 21.5	1.550	1.384	39.3	21.2	61 E	12*	55*
10 23	17 54.85	−28 48.5	1.587	1.381	38.4	21.2	60 E	13*	54*
11 2	18 32.28	−28 39.5	1.629	1.384	37.4	21.3	58 E	13*	52*
11 12	19 9.91	−27 53.2	1.677	1.393	36.2	21.3	56 E	15*	49*
11 22	19 47.01	−26 31.2	1.731	1.408	34.8	21.4	54 E	16*	47*
12 2	20 23.01	−24 37.2	1.792	1.429	33.3	21.4	53 E	18*	44*

532058 2013 GU_{68}

2021	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
	h m	° ′			°	m	°	°	°
3 17	14 21.24	− 1 10.1	0.968	1.852	19.7	21.6	141 W	44	65
3 27	14 6.16	− 1 52.3	0.926	1.875	13.4	21.3	154 W	43	66
4 6	13 47.28	− 2 38.2	0.907	1.896	6.6	21.0	168 W	42	67
4 16	13 26.85	− 3 29.4	0.916	1.916	3.6	20.9	173 E	42	67
4 26	13 7.63	− 4 27.0	0.953	1.934	9.5	21.3	161 E	41	68
5 6	12 51.83	− 5 30.9	1.016	1.950	15.6	21.6	149 E	39	70

495222 2013 GU_{38}

2021	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
3 17	14 27.77	−27 47.0	0.532	1.405	32.0	21.3	131 W	17	88
3 22	14 35.16	−26 35.0	0.487	1.386	30.3	21.1	135 W	18	89
3 27	14 42.18	−24 54.8	0.444	1.367	28.2	20.8	140 W	20	89
4 1	14 48.80	−22 41.3	0.405	1.348	25.7	20.5	144 W	22	87
4 6	14 54.94	−19 48.9	0.368	1.330	22.9	20.1	149 W	25	84
4 11	15 0.58	−16 12.3	0.336	1.312	19.8	19.8	154 W	29	80
4 16	15 5.71	−11 47.6	0.308	1.295	16.9	19.5	158 W	33	76
4 21	15 10.37	− 6 34.8	0.285	1.278	15.1	19.2	161 W	38	71
4 26	15 14.62	− 0 39.1	0.268	1.262	15.7	19.1	160 W	44	65
4 28	15 16.23	+ 1 52.6	0.262	1.255	16.7	19.1	159 W	47	62
4 30	15 17.78	+ 4 28.1	0.258	1.249	18.1	19.1	157 W	49	60
5 2	15 19.30	+ 7 6.3	0.254	1.243	19.9	19.1	155 W	52	57
5 4	15 20.77	+ 9 45.8	0.251	1.237	21.9	19.1	153 W	55	54
5 6	15 22.21	+12 25.1	0.250	1.232	24.1	19.2	150 W	57	52
5 8	15 23.63	+15 2.8	0.248	1.226	26.3	19.2	147 W	60	49
5 10	15 25.04	+17 37.5	0.248	1.220	28.7	19.3	145 W	63	46
5 12	15 26.45	+20 8.0	0.249	1.215	31.0	19.3	142 W	65	44
5 14	15 27.87	+22 33.2	0.250	1.210	33.3	19.4	139 W	68	41
5 16	15 29.32	+24 52.3	0.252	1.205	35.6	19.5	136 E	70	39
5 21	15 33.12	+30 8.9	0.259	1.193	40.8	19.7	130 E	75	34
5 26	15 37.29	+34 37.8	0.268	1.183	45.4	19.8	124 E	80	29
5 31	15 41.93	+38 19.5	0.279	1.174	49.3	20.0	119 E	83	26
6 5	15 47.10	+41 16.9	0.292	1.166	52.4	20.2	114 E	86	23
6 10	15 52.87	+43 34.5	0.304	1.159	54.8	20.3	111 E	89	20
6 15	15 59.31	+45 17.2	0.317	1.154	56.7	20.5	108 E	90	19
6 20	16 6.46	+46 29.7	0.329	1.151	58.1	20.6	106 E	89	18
6 25	16 14.31	+47 16.1	0.340	1.149	59.0	20.7	104 E	88	17
6 30	16 22.80	+47 39.4	0.350	1.148	59.6	20.8	103 E	87	16
7 5	16 31.90	+47 41.5	0.360	1.149	59.8	20.8	102 E	87	16
7 10	16 41.60	+47 23.8	0.368	1.152	59.7	20.9	102 E	88	17
7 15	16 51.90	+46 47.3	0.376	1.156	59.3	20.9	102 E	88	17
7 20	17 2.78	+45 52.9	0.382	1.161	58.7	20.9	103 E	89	18
7 25	17 14.21	+44 41.2	0.388	1.168	57.8	21.0	103 E	90	19
7 30	17 26.10	+43 12.3	0.393	1.176	56.8	21.0	104 E	88	21
8 4	17 38.44	+41 26.1	0.399	1.186	55.5	21.0	106 E	86	23
8 9	17 51.20	+39 22.9	0.404	1.196	54.1	21.0	107 E	84	25
8 14	18 4.37	+37 3.2	0.409	1.208	52.6	21.0	109 E	82	27
8 19	18 17.90	+34 28.8	0.416	1.221	50.9	21.0	110 E	79	30
8 24	18 31.72	+31 41.3	0.424	1.235	49.3	21.0	112 E	77	32
8 29	18 45.74	+28 43.1	0.433	1.250	47.6	21.1	114 E	74	35
9 3	18 59.92	+25 37.1	0.445	1.266	46.0	21.1	115 E	71	38
9 8	19 14.22	+22 27.1	0.460	1.282	44.6	21.2	117 E	67	42
9 13	19 28.59	+19 17.3	0.477	1.299	43.3	21.2	118 E	64	45
9 18	19 42.96	+16 11.9	0.498	1.317	42.2	21.3	118 E	61	48
9 23	19 57.27	+13 14.5	0.523	1.335	41.3	21.4	119 E	58	51

531471 2012 TY_{78}

2021	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
3 17	14 28.98	−18 49.0	1.138	1.973	20.8	21.3	135 W	26	83
3 27	14 28.47	−18 40.1	1.018	1.924	17.2	20.9	145 W	26	83
4 6	14 24.37	−18 6.8	0.915	1.875	12.5	20.4	156 W	27	82
4 16	14 16.77	−17 6.1	0.832	1.825	6.6	19.9	168 W	28	81
4 21	14 11.91	−16 25.7	0.798	1.800	3.5	19.6	174 W	29	80
4 26	14 6.56	−15 39.5	0.770	1.776	1.6	19.4	177 E	29	80
5 1	14 0.95	−14 48.5	0.747	1.751	4.4	19.5	172 E	30	79
5 6	13 55.32	−13 54.3	0.730	1.726	8.0	19.6	166 E	31	78
5 11	13 49.95	−12 58.8	0.718	1.702	11.8	19.7	160 E	32	77
5 16	13 45.09	−12 4.1	0.711	1.678	15.5	19.7	154 E	33	76
5 21	13 41.00	−11 12.3	0.708	1.653	19.2	19.8	148 E	34	75
5 26	13 37.84	−10 25.2	0.709	1.630	22.6	19.9	142 E	35	74
5 31	13 35.75	− 9 44.2	0.713	1.606	25.9	20.0	136 E	35	74
6 5	13 34.81	− 9 10.2	0.720	1.583	28.9	20.1	131 E	36	73
6 15	13 36.53	− 8 25.9	0.740	1.538	34.2	20.2	122 E	36*	72
6 25	13 43.03	− 8 13.6	0.765	1.496	38.6	20.3	113 E	35*	72
7 5	13 53.95	− 8 30.4	0.792	1.456	42.0	20.4	107 E	33*	73
7 15	14 8.93	− 9 12.1	0.820	1.420	44.7	20.5	101 E	31*	73
7 25	14 27.61	−10 13.4	0.847	1.388	46.7	20.6	96 E	29*	74
8 4	14 49.62	−11 28.3	0.874	1.361	48.2	20.7	92 E	28*	75
8 14	15 14.76	−12 51.0	0.900	1.339	49.2	20.7	89 E	26*	76*
8 24	15 42.75	−14 15.0	0.927	1.323	49.7	20.8	86 E	26*	76*
9 3	16 13.31	−15 33.6	0.956	1.313	49.8	20.8	84 E	25*	75*
9 13	16 46.13	−16 40.2	0.988	1.310	49.5	20.9	82 E	25*	74*

531471 2012 TY_{78} *(continuation)*

2021	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
	h m	° ′			°	m	°	°	°
9 23	17 20.77	−17 28.6	1.024	1.314	48.9	21.0	81 E	25*	73*
10 3	17 56.64	−17 53.5	1.068	1.324	48.0	21.1	80 E	26*	71*
10 13	18 33.16	−17 51.7	1.118	1.341	46.8	21.2	78 E	26*	70*
10 23	19 9.65	−17 22.0	1.178	1.363	45.4	21.3	77 E	27*	67*
11 2	19 45.52	−16 25.4	1.246	1.391	43.8	21.4	76 E	28*	65*

190161 2005 TJ_{174}

2021	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
3 17	14 29.69	−20 25.0	2.199	2.982	13.8	21.5	134 W	25	84
3 27	14 23.94	−20 15.3	2.077	2.954	11.0	21.2	146 W	25	84
4 6	14 15.80	−19 50.6	1.978	2.926	7.7	21.0	157 W	25	84
4 16	14 5.81	−19 11.0	1.906	2.896	4.0	20.7	168 W	26	83
4 26	13 54.83	−18 18.5	1.863	2.865	2.3	20.5	173 E	27	82
5 1	13 49.31	−17 48.7	1.852	2.848	3.8	20.6	169 E	27	82
5 6	13 43.94	−17 17.6	1.849	2.832	5.7	20.7	164 E	28	81
5 11	13 38.84	−16 46.0	1.853	2.815	7.7	20.7	158 E	28	81
5 16	13 34.15	−16 14.7	1.864	2.798	9.7	20.8	152 E	29	80
5 21	13 29.96	−15 44.5	1.881	2.780	11.7	20.9	146 E	29	80
5 26	13 26.34	−15 16.3	1.904	2.762	13.5	21.0	141 E	30	79
5 31	13 23.35	−14 50.6	1.932	2.744	15.1	21.1	135 E	30	79
6 5	13 21.01	−14 27.9	1.964	2.726	16.7	21.1	130 E	31	78
6 10	13 19.35	−14 8.6	2.000	2.707	18.0	21.2	124 E	31*	78
6 15	13 18.37	−13 53.0	2.040	2.687	19.2	21.3	119 E	30*	78
6 20	13 18.07	−13 41.2	2.082	2.668	20.3	21.3	114 E	30*	78
6 25	13 18.42	−13 33.3	2.126	2.648	21.2	21.4	110 E	29*	78
6 30	13 19.41	−13 29.2	2.171	2.628	21.9	21.4	105 E	27*	77
7 5	13 20.99	−13 28.7	2.217	2.607	22.5	21.5	101 E	26*	77

197594 2004 HD_{49}

2021	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
3 17	14 32.90	−12 49.8	1.566	2.387	16.7	21.3	136 W	32	77
3 27	14 29.03	−12 37.7	1.457	2.358	13.2	21.0	147 W	32	77
4 6	14 22.18	−12 13.7	1.368	2.330	9.0	20.6	159 W	33	76
4 16	14 12.82	−11 39.3	1.304	2.300	4.0	20.2	171 W	33	76
4 21	14 7.50	−11 19.5	1.281	2.285	1.4	20.0	177 W	34	75
4 26	14 1.97	−10 58.9	1.265	2.270	1.7	20.0	176 E	34	75
5 1	13 56.40	−10 38.3	1.256	2.255	4.4	20.1	170 E	34	75
5 6	13 50.97	−10 18.6	1.253	2.240	7.1	20.3	164 E	35	74
5 11	13 45.86	−10 0.5	1.256	2.224	9.8	20.4	158 E	35	74
5 16	13 41.22	− 9 44.9	1.265	2.209	12.4	20.5	152 E	35	74
5 26	13 33.89	− 9 24.2	1.299	2.178	17.2	20.7	140 E	36	73
6 5	13 29.65	− 9 19.9	1.350	2.147	21.3	20.8	130 E	36	73
6 15	13 28.75	− 9 33.5	1.413	2.115	24.5	21.0	120 E	35*	74
6 25	13 31.15	−10 4.5	1.485	2.084	27.0	21.2	111 E	33*	74
7 5	13 36.59	−10 51.1	1.562	2.052	28.8	21.3	103 E	30*	75
7 15	13 44.79	−11 51.0	1.642	2.021	30.0	21.4	96 E	26*	76
7 25	13 55.47	−13 2.0	1.721	1.990	30.7	21.5	89 E	23*	77*

447175 2005 QZ_{50}

2021	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
3 17	14 32.91	− 5 3.5	1.188	2.039	19.1	21.2	138 W	40	69
3 27	14 32.14	− 3 41.2	1.087	2.003	15.4	20.8	148 W	41	68
4 6	14 28.08	− 2 2.8	1.005	1.967	11.2	20.5	157 W	43	66
4 16	14 21.05	− 0 16.6	0.944	1.931	7.6	20.2	165 W	45	64
4 21	14 16.72	+ 0 35.7	0.922	1.913	7.0	20.1	166 W	46	63
4 26	14 12.05	+ 1 25.1	0.906	1.896	7.8	20.0	165 E	46	63
5 1	14 7.25	+ 2 9.8	0.895	1.878	9.7	20.1	162 E	47	62
5 6	14 2.52	+ 2 48.4	0.889	1.861	12.1	20.1	157 E	48	61
5 11	13 58.07	+ 3 19.4	0.889	1.843	14.8	20.2	152 E	48	61
5 16	13 54.11	+ 3 41.8	0.893	1.826	17.5	20.3	147 E	49	60
5 26	13 48.26	+ 3 59.0	0.914	1.793	22.7	20.5	137 E	49	60
6 5	13 45.85	+ 3 40.1	0.947	1.761	27.2	20.6	128 E	49	60
6 15	13 47.21	+ 2 48.7	0.990	1.730	30.9	20.8	119 E	48*	61
6 25	13 52.33	+ 1 29.9	1.039	1.700	33.8	20.9	112 E	45*	63
7 5	14 0.89	− 0 10.3	1.092	1.673	36.0	21.1	105 E	42*	64
7 15	14 12.57	− 2 6.8	1.147	1.648	37.5	21.2	99 E	38*	66
7 25	14 27.06	− 4 14.8	1.203	1.625	38.6	21.3	94 E	35*	68
8 4	14 44.04	− 6 29.8	1.259	1.604	39.2	21.4	89 E	32*	70*
8 14	15 3.32	− 8 47.8	1.316	1.587	39.5	21.5	85 E	29*	71*

311925 2007 BF_{72}

2021	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
3 17	14 35.08	−10 21.8	0.840	1.705	23.7	21.5	136 W	35	74
3 27	14 29.48	−10 1.7	0.762	1.692	18.4	21.1	148 W	35	74
4 6	14 18.72	− 9 24.5	0.700	1.676	11.7	20.7	160 W	36	73
4 16	14 3.52	− 8 34.0	0.658	1.659	4.2	20.2	173 W	36	73
4 21	13 54.86	− 8 6.5	0.646	1.650	2.2	20.0	176 W	37	72
4 26	13 45.96	− 7 39.3	0.639	1.640	5.4	20.1	171 E	37	72
5 1	13 37.19	− 7 14.2	0.637	1.630	9.6	20.3	164 E	38	71
5 6	13 28.91	− 6 52.6	0.640	1.619	13.7	20.5	158 E	38	71
5 11	13 21.45	− 6 35.9	0.648	1.608	17.7	20.6	151 E	38	71

21/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
		311925 2007 BF_{72}				*(continuation)*			
	h m	° ′			°	m	°	°	°
5 16	13 15.06	− 6 25.3	0.661	1.596	21.5	20.8	145 E	39	70
5 21	13 9.93	− 6 21.4	0.676	1.584	25.0	20.9	139 E	39	70
5 26	13 6.13	− 6 24.6	0.695	1.572	28.1	21.0	133 E	39	70
5 31	13 3.68	− 6 34.6	0.717	1.559	31.0	21.2	128 E	38	71
6 5	13 2.55	− 6 51.4	0.740	1.546	33.5	21.3	123 E	38*	71
6 10	13 2.70	− 7 14.5	0.765	1.532	35.7	21.4	118 E	37*	71
		159459 2000 KB							
3 17	14 35.48	+14 57.6	2.553	3.343	11.9	21.5	136 W	60	49
3 22	14 32.22	+16 18.9	2.491	3.316	11.2	21.4	140 W	61	48
3 27	14 28.34	+17 41.5	2.436	3.289	10.5	21.3	143 W	63	46
4 1	14 23.84	+19 4.2	2.389	3.261	10.0	21.2	145 W	64	45
4 6	14 18.78	+20 25.7	2.349	3.233	9.7	21.1	147 W	65	44
4 11	14 13.20	+21 44.6	2.316	3.204	9.8	21.1	147 W	67	42
4 16	14 7.20	+22 59.4	2.292	3.175	10.1	21.1	146 W	68	41
4 21	14 0.89	+24 8.8	2.276	3.145	10.8	21.1	144 W	69	40
4 26	13 54.37	+25 11.6	2.267	3.115	11.7	21.1	141 E	70	39
5 1	13 47.78	+26 7.0	2.265	3.084	12.8	21.1	137 E	71	38
5 6	13 41.25	+26 54.3	2.270	3.053	13.9	21.1	133 E	72	37
5 11	13 34.91	+27 33.2	2.281	3.021	15.1	21.1	129 E	73	36
5 16	13 28.89	+28 3.5	2.297	2.988	16.2	21.2	124 E	73	36
5 21	13 23.30	+28 25.5	2.318	2.955	17.3	21.2	120 E	73	36
5 26	13 18.21	+28 39.6	2.343	2.921	18.3	21.2	115 E	74	35
5 31	13 13.71	+28 46.4	2.371	2.886	19.2	21.3	110 E	74	35
6 5	13 9.84	+28 46.4	2.401	2.851	20.0	21.3	106 E	74*	35
6 10	13 6.63	+28 40.4	2.432	2.816	20.7	21.3	101 E	73*	35
6 15	13 4.10	+28 29.0	2.465	2.779	21.3	21.3	97 E	70*	36
6 20	13 2.24	+28 12.9	2.497	2.742	21.7	21.3	93 E	67*	36
6 25	13 1.06	+27 52.8	2.529	2.704	22.1	21.3	89 E	64*	36
6 30	13 0.53	+27 29.2	2.561	2.666	22.3	21.3	85 E	61*	37
7 5	13 0.62	+27 2.6	2.590	2.627	22.5	21.3	81 E	57*	37
7 10	13 1.32	+26 33.4	2.618	2.587	22.5	21.3	77 E	54*	37
7 15	13 2.60	+26 2.1	2.644	2.546	22.5	21.3	73 E	51*	38*
7 20	13 4.43	+25 28.9	2.666	2.505	22.4	21.3	70 E	49*	38*
7 25	13 6.79	+24 54.2	2.686	2.463	22.2	21.3	66 E	46*	37*
7 30	13 9.65	+24 18.3	2.702	2.420	22.0	21.2	63 E	44*	36*
8 4	13 12.99	+23 41.2	2.714	2.376	21.7	21.2	60 E	42*	35*
8 9	13 16.80	+23 3.2	2.723	2.331	21.4	21.2	57 E	40*	34*
8 14	13 21.06	+22 24.5	2.727	2.286	21.0	21.1	54 E	38*	32*
8 19	13 25.75	+21 45.1	2.727	2.240	20.7	21.1	51 E	37*	30*
8 24	13 30.87	+21 5.2	2.723	2.192	20.3	21.0	49 E	35*	28*
8 29	13 36.40	+20 24.9	2.714	2.144	19.9	20.9	46 E	34*	26*
9 3	13 42.35	+19 44.2	2.701	2.095	19.5	20.8	44 E	33*	24*
9 8	13 48.72	+19 3.2	2.682	2.045	19.2	20.8	42 E	32*	22*
9 13	13 55.52	+18 21.9	2.659	1.993	18.9	20.7	40 E	31*	19*
9 18	14 2.75	+17 40.3	2.631	1.941	18.6	20.6	38 E	30*	17*
9 23	14 10.43	+16 58.6	2.599	1.887	18.4	20.5	36 E	29*	14*
9 28	14 18.56	+16 16.6	2.562	1.833	18.3	20.4	35 E	28*	12*
10 3	14 27.19	+15 34.3	2.520	1.777	18.2	20.3	34 E	27*	10*
10 13	14 46.04	+14 8.6	2.423	1.662	18.5	20.1	32 E	26*	5*
10 23	15 7.26	+12 40.9	2.310	1.541	19.3	19.8	31 E	25*	1*
11 2	15 31.33	+11 9.3	2.182	1.415	20.6	19.6	30 E	23*	—
11 12	15 58.85	+ 9 31.1	2.043	1.283	22.6	19.3	30 E	22*	—
11 17	16 14.15	+ 8 38.0	1.970	1.214	23.8	19.1	30 E	22*	—
11 22	16 30.63	+ 7 41.2	1.895	1.144	25.2	18.9	30 E	21*	—
11 27	16 48.45	+ 6 39.3	1.820	1.073	26.7	18.8	29 E	21*	—
12 2	17 7.76	+ 5 30.9	1.745	1.000	28.3	18.6	29 E	20*	—
12 7	17 28.73	+ 4 14.1	1.671	0.926	30.1	18.4	28 E	19*	—
12 12	17 51.50	+ 2 46.3	1.598	0.852	31.9	18.1	27 E	19*	—
12 17	18 16.23	+ 1 4.4	1.529	0.777	33.9	17.9	26 E	18*	—
12 22	18 43.03	− 0 55.5	1.463	0.704	35.9	17.6	25 E	18*	—
12 27	19 11.91	− 3 17.9	1.402	0.633	38.0	17.4	23 E	17*	—
1 1	19 42.76	− 6 7.5	1.346	0.569	40.3	17.1	22 E	16*	—
1 6	20 15.21	− 9 28.6	1.295	0.516	43.1	16.9	21 E	15*	2*
1 11	20 48.63	−13 22.0	1.247	0.481	46.9	16.8	21 E	13*	7*
1 13	21 2.09	−15 3.3	1.229	0.473	48.7	16.7	21 E	12*	9*
1 15	21 15.52	−16 48.3	1.212	0.470	50.7	16.8	22 E	11*	11*
1 17	21 28.88	−18 35.8	1.194	0.470	52.8	16.8	22 E	10*	13*
1 19	21 42.14	−20 24.7	1.178	0.475	54.8	16.8	23 E	9*	15*
1 21	21 55.30	−22 13.9	1.161	0.484	56.9	16.9	24 E	8*	17*
		405397 2004 LB_{12}							
3 17	14 36.38	−13 17.8	1.080	1.920	21.3	21.3	135 W	32	77
3 27	14 34.44	−12 52.6	0.979	1.890	17.2	20.9	146 W	32	77
4 6	14 28.55	−12 8.2	0.896	1.859	12.0	20.5	157 W	33	76
4 16	14 19.00	−11 6.0	0.832	1.828	5.8	20.1	169 W	34	75
4 21	14 13.18	−10 30.1	0.809	1.812	2.6	19.8	175 W	34	75
4 26	14 6.96	− 9 52.5	0.791	1.796	2.2	19.7	176 E	35	74
5 1	14 0.58	− 9 14.7	0.779	1.780	5.5	19.9	170 E	36	73

2021	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
		405397 2004 LB_{12}				*(continuation)*			
	h m	° ′			°	m	°	°	°
5 6	13 54.30	− 8 38.2	0.773	1.764	9.1	20.0	164 E	36	73
5 11	13 48.38	− 8 4.6	0.771	1.748	12.7	20.1	158 E	37	72
5 16	13 43.09	− 7 35.4	0.775	1.732	16.2	20.2	151 E	37	72
5 21	13 38.62	− 7 11.9	0.783	1.715	19.5	20.3	145 E	38	71
5 26	13 35.14	− 6 55.0	0.794	1.699	22.6	20.4	140 E	38	71
6 5	13 31.40	− 6 42.1	0.827	1.666	28.1	20.6	129 E	38	71
6 15	13 32.15	− 6 57.5	0.869	1.634	32.6	20.8	120 E	38*	71
6 25	13 37.22	− 7 38.9	0.916	1.602	36.1	21.0	112 E	35*	72
7 5	13 46.18	− 8 42.2	0.966	1.571	38.7	21.2	105 E	32*	73
7 15	13 58.60	−10 3.0	1.016	1.541	40.7	21.3	99 E	29*	74
7 25	14 14.13	−11 37.0	1.065	1.513	42.1	21.4	93 E	27*	76
8 4	14 32.43	−13 19.6	1.113	1.486	43.1	21.5	88 E	24*	77*
		152864 1999 XT_{143}							
3 17	14 39.64	−11 41.3	2.013	2.807	14.5	21.3	135 W	33	76
3 27	14 34.86	−11 8.9	1.900	2.785	11.5	21.0	146 W	34	75
4 6	14 27.59	−10 26.0	1.808	2.761	7.9	20.7	158 W	35	74
4 16	14 18.30	− 9 35.0	1.743	2.736	3.8	20.4	170 W	35	74
4 21	14 13.15	− 9 7.9	1.721	2.723	1.9	20.3	175 W	36	73
4 26	14 7.83	− 8 40.6	1.707	2.710	1.8	20.3	175 E	36	73
5 1	14 2.48	− 8 13.8	1.699	2.697	3.7	20.4	170 E	37	72
5 6	13 57.23	− 7 48.3	1.699	2.683	5.9	20.5	164 E	37	72
5 11	13 52.21	− 7 24.7	1.705	2.669	8.1	20.6	158 E	38	71
5 16	13 47.56	− 7 3.8	1.719	2.655	10.2	20.7	152 E	38	71
5 21	13 43.39	− 6 46.1	1.738	2.641	12.3	20.7	146 E	38	71
5 26	13 39.76	− 6 32.1	1.762	2.626	14.2	20.8	141 E	38	71
5 31	13 36.74	− 6 21.9	1.792	2.611	15.9	20.9	135 E	39	70
6 5	13 34.38	− 6 15.8	1.826	2.595	17.5	21.0	130 E	39	70
6 10	13 32.69	− 6 13.8	1.864	2.579	18.9	21.1	125 E	39*	70
6 15	13 31.69	− 6 15.9	1.904	2.563	20.1	21.1	120 E	38*	70
6 20	13 31.36	− 6 22.0	1.948	2.547	21.2	21.2	115 E	37*	70
6 25	13 31.71	− 6 32.0	1.993	2.531	22.1	21.3	110 E	36*	71
6 30	13 32.68	− 6 45.5	2.039	2.514	22.9	21.3	106 E	35*	71
7 5	13 34.28	− 7 2.4	2.087	2.497	23.5	21.4	101 E	33*	71
7 10	13 36.46	− 7 22.4	2.135	2.479	24.0	21.4	97 E	31*	71
7 15	13 39.20	− 7 45.4	2.183	2.462	24.3	21.5	93 E	29*	72
		339847 2005 TK_{23}							
3 17	14 41.93	−12 43.5	1.887	2.678	15.4	21.5	134 W	32	77
3 27	14 36.30	−12 22.8	1.820	2.702	12.1	21.3	146 W	33	76
4 6	14 28.29	−11 52.8	1.774	2.725	8.1	21.1	157 W	33	76
4 16	14 18.61	−11 16.0	1.755	2.748	3.8	20.9	170 W	34	75
4 26	14 8.25	−10 36.8	1.764	2.769	1.1	20.7	177 E	34	75
5 6	13 58.29	−10 0.0	1.802	2.790	5.2	21.0	165 E	35	74
5 16	13 49.66	− 9 30.1	1.867	2.810	9.2	21.3	154 E	35	74
		282511 2004 QL_{20}							
3 17	14 45.29	−35 46.4	2.227	2.905	16.5	21.4	124 W	9	80
3 27	14 41.05	−35 50.2	2.103	2.885	14.4	21.2	134 W	9	80
4 6	14 34.07	−35 31.7	1.996	2.864	12.0	21.0	144 W	9	80
4 16	14 24.83	−34 46.9	1.912	2.842	9.3	20.8	153 W	10	81
4 26	14 14.25	−33 34.3	1.853	2.819	7.1	20.6	160 W	11	82
5 6	14 3.50	−31 56.6	1.822	2.795	6.7	20.5	161 E	13	84
5 16	13 53.76	−30 0.4	1.819	2.771	8.7	20.6	155 E	15	86
5 26	13 46.02	−27 55.8	1.843	2.745	11.8	20.7	146 E	17	88
6 5	13 40.88	−25 53.1	1.890	2.718	14.9	20.9	137 E	19	90
6 15	13 38.57	−24 0.5	1.957	2.690	17.6	21.0	127 E	21*	88
6 25	13 39.08	−22 23.9	2.039	2.662	19.9	21.2	117 E	21*	86
7 5	13 42.20	−21 5.5	2.132	2.632	21.5	21.3	108 E	20*	85
7 15	13 47.66	−20 5.6	2.231	2.602	22.7	21.4	100 E	19*	84
7 25	13 55.20	−19 23.2	2.334	2.571	23.3	21.5	92 E	18*	83*
		519354 2011 KR_{12}							
3 17	14 47.11	−12 42.7	0.490	1.377	31.9	21.8	133 W	32	77
3 22	14 39.29	−12 51.5	0.463	1.383	27.7	21.6	140 W	32	77
3 27	14 28.99	−12 54.1	0.439	1.387	23.0	21.3	147 W	32	77
4 1	14 16.24	−12 49.4	0.418	1.390	17.6	21.0	155 W	32	77
4 6	14 1.25	−12 36.4	0.402	1.391	11.8	20.8	164 W	32	77
4 11	13 44.50	−12 14.6	0.391	1.391	5.6	20.4	172 W	33	76
4 16	13 26.78	−11 44.9	0.386	1.389	2.1	20.2	177 E	33	76
4 21	13 9.05	−11 9.5	0.387	1.386	8.1	20.5	169 E	34	75
4 26	12 52.24	−10 31.8	0.393	1.382	14.5	20.8	160 E	34	75
5 1	12 37.08	− 9 55.1	0.404	1.376	20.5	21.0	151 E	35	74
5 6	12 24.06	− 9 22.5	0.419	1.368	26.1	21.3	143 E	36	73
5 11	12 13.41	− 8 56.1	0.438	1.360	31.1	21.5	136 E	36	73
		465098 2006 UQ_{217}							
3 17	14 48.17	+12 51.3	2.151	2.928	14.2	21.3	134 W	58	51
3 22	14 46.30	+13 30.2	2.083	2.898	13.4	21.2	138 W	59	50
3 27	14 43.75	+14 9.2	2.019	2.867	12.6	21.1	141 W	59	50
4 1	14 40.54	+14 47.5	1.961	2.837	11.7	20.9	145 W	60	49

21/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
465098 2006 UQ_{217} *(continuation)*									
	h m	° ′			°	m	°	°	°
4 6	14 36.68	+15 24.1	1.909	2.806	11.0	20.8	148 W	60	49
4 11	14 32.23	+15 57.8	1.863	2.774	10.5	20.7	150 W	61	48
4 16	14 27.24	+16 27.4	1.823	2.743	10.3	20.7	151 W	61	48
4 21	14 21.83	+16 51.9	1.790	2.711	10.5	20.6	151 W	62	47
4 26	14 16.11	+17 10.1	1.763	2.679	11.0	20.6	149 W	62	47
5 1	14 10.21	+17 21.3	1.743	2.646	11.9	20.5	147 E	62	47
5 6	14 4.27	+17 24.8	1.728	2.614	13.1	20.5	144 E	62	47
5 11	13 58.43	+17 20.2	1.720	2.581	14.4	20.5	141 E	62	47
5 16	13 52.84	+17 7.2	1.717	2.548	15.8	20.6	137 E	62	47
5 21	13 47.65	+16 45.9	1.719	2.514	17.3	20.6	132 E	62	47
5 26	13 42.95	+16 16.8	1.725	2.480	18.8	20.6	128 E	61	48
5 31	13 38.85	+15 40.4	1.736	2.446	20.2	20.6	123 E	61	48
6 5	13 35.39	+14 57.1	1.750	2.412	21.6	20.7	119 E	60	49
6 10	13 32.64	+14 7.6	1.767	2.377	22.8	20.7	115 E	59*	50
6 15	13 30.63	+13 12.5	1.787	2.343	24.0	20.7	110 E	58*	51
6 20	13 29.37	+12 12.5	1.808	2.308	25.0	20.8	106 E	55*	52
6 25	13 28.85	+11 8.2	1.831	2.273	25.9	20.8	102 E	53*	53
6 30	13 29.05	+10 0.1	1.854	2.237	26.7	20.8	98 E	50*	54
7 5	13 29.95	+ 8 48.8	1.878	2.202	27.4	20.8	94 E	47*	55
7 10	13 31.55	+ 7 34.5	1.903	2.166	28.0	20.8	91 E	44*	56
7 15	13 33.81	+ 6 17.6	1.926	2.130	28.5	20.8	87 E	41*	58
7 20	13 36.70	+ 4 58.4	1.950	2.094	28.8	20.8	83 E	38*	59*
7 25	13 40.20	+ 3 37.2	1.972	2.058	29.1	20.8	80 E	36*	60*
7 30	13 44.29	+ 2 14.2	1.993	2.021	29.3	20.8	77 E	33*	60*
8 4	13 48.94	+ 0 49.6	2.013	1.985	29.4	20.8	74 E	31*	59*
8 9	13 54.14	− 0 36.6	2.032	1.949	29.4	20.8	71 E	29*	59*
8 14	13 59.89	− 2 4.2	2.049	1.912	29.4	20.7	68 E	27*	57*
8 19	14 6.16	− 3 33.0	2.064	1.876	29.3	20.7	65 E	25*	56*
8 24	14 12.94	− 5 2.9	2.078	1.840	29.1	20.7	62 E	23*	54*
8 29	14 20.25	− 6 33.8	2.089	1.803	28.9	20.6	60 E	21*	52*
9 3	14 28.07	− 8 5.5	2.099	1.767	28.6	20.6	57 E	20*	50*
9 8	14 36.42	− 9 37.9	2.106	1.732	28.3	20.6	55 E	18*	48*
9 13	14 45.31	−11 10.9	2.112	1.696	28.0	20.5	52 E	17*	46*
9 18	14 54.75	−12 44.2	2.116	1.661	27.7	20.5	50 E	15*	44*
9 23	15 4.76	−14 17.6	2.118	1.627	27.3	20.4	48 E	14*	42*
10 3	15 26.54	−17 23.5	2.116	1.559	26.5	20.3	44 E	12*	38*
10 13	15 50.90	−20 25.8	2.108	1.495	25.6	20.2	40 E	10*	34*
10 23	16 18.06	−23 20.5	2.094	1.435	24.8	20.0	37 E	8*	31*
11 2	16 48.27	−26 2.4	2.076	1.379	24.1	19.9	35 E	6*	29*
11 7	17 4.60	−27 16.5	2.066	1.354	23.8	19.9	33 E	6*	27*
11 12	17 21.76	−28 24.7	2.056	1.331	23.5	19.8	32 E	5*	26*
11 17	17 39.74	−29 25.9	2.045	1.309	23.3	19.7	32 E	4*	25*
11 22	17 58.54	−30 19.1	2.035	1.290	23.1	19.7	31 E	4*	25*
11 27	18 18.12	−31 2.9	2.025	1.272	22.9	19.6	30 E	4*	24*
12 2	18 38.42	−31 36.3	2.016	1.258	22.8	19.6	30 E	3*	24*
12 7	18 59.37	−31 58.2	2.008	1.245	22.8	19.6	29 E	3*	23*
12 12	19 20.84	−32 7.6	2.001	1.236	22.7	19.6	29 E	3*	23*
12 17	19 42.70	−32 3.7	1.996	1.229	22.7	19.5	29 E	4*	23*
12 22	20 4.79	−31 46.0	1.993	1.225	22.7	19.5	29 E	4*	22*
12 27	20 26.97	−31 14.4	1.992	1.224	22.7	19.5	29 E	4*	22*
1 1	20 49.07	−30 29.0	1.994	1.226	22.6	19.5	29 E	5*	22*
1 6	21 10.95	−29 30.4	1.999	1.231	22.6	19.5	29 E	5*	22*
1 11	21 32.46	−28 19.3	2.007	1.239	22.4	19.6	29 E	6*	22*
1 16	21 53.49	−26 57.0	2.018	1.249	22.3	19.6	29 E	7*	22*
1 21	22 13.96	−25 24.6	2.033	1.262	22.0	19.6	29 E	7*	22*
489615 2007 TZ_{246}									
3 17	14 55.08	−11 24.6	1.404	2.193	19.9	21.4	131 W	34	75
3 27	14 53.92	−11 46.9	1.282	2.154	16.8	21.1	141 W	33	76
4 6	14 49.29	−12 4.2	1.178	2.116	12.7	20.7	152 W	33	76
4 16	14 41.26	−12 17.4	1.094	2.077	7.7	20.3	164 W	33	76
4 26	14 30.46	−12 28.6	1.034	2.039	2.1	19.9	176 W	33	76
5 1	14 24.41	−12 34.2	1.013	2.020	1.6	19.8	177 E	32	77
5 6	14 18.18	−12 40.4	0.998	2.001	4.5	19.9	171 E	32	77
5 11	14 11.99	−12 47.6	0.989	1.982	7.6	20.0	165 E	32	77
5 16	14 6.10	−12 56.5	0.986	1.963	10.8	20.1	159 E	32	77
5 21	14 0.70	−13 7.5	0.988	1.944	13.8	20.2	153 E	32	77
5 26	13 55.99	−13 21.3	0.996	1.926	16.7	20.3	147 E	32	77
6 5	13 49.14	−13 58.2	1.023	1.889	21.9	20.5	136 E	31	78
6 15	13 46.25	−14 49.1	1.065	1.854	26.3	20.7	126 E	30*	79
6 25	13 47.52	−15 54.5	1.115	1.820	29.8	20.8	117 E	28*	80
7 5	13 52.74	−17 13.1	1.172	1.787	32.5	21.0	109 E	25*	81
7 15	14 1.62	−18 43.0	1.233	1.756	34.4	21.1	102 E	22*	83
7 25	14 13.86	−20 21.7	1.294	1.727	35.8	21.2	96 E	19*	84
8 4	14 29.12	−22 5.8	1.356	1.701	36.6	21.3	90 E	16*	84*
8 14	14 47.21	−23 52.2	1.418	1.676	37.0	21.4	85 E	14*	79*
8 24	15 7.91	−25 37.0	1.479	1.655	37.1	21.4	81 E	12*	75*

2021	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
200073 2190 *T–2*									
	h m	° ′			°	m	°	°	°
3 17	15 1.55	−14 6.1	2.066	2.803	15.9	21.4	129 W	31	78
3 27	14 58.81	−13 25.5	1.948	2.787	13.3	21.1	140 W	32	77
4 6	14 53.53	−12 32.8	1.851	2.770	10.0	20.9	151 W	32	77
4 16	14 46.02	−11 29.8	1.777	2.752	6.2	20.6	163 W	34	75
4 26	14 36.94	−10 20.6	1.731	2.733	2.4	20.3	174 W	35	74
5 1	14 32.10	− 9 45.4	1.718	2.723	1.9	20.3	175 E	35	74
5 6	14 27.22	− 9 10.8	1.713	2.713	3.5	20.4	171 E	36	73
5 11	14 22.44	− 8 37.7	1.714	2.702	5.5	20.5	165 E	36	73
5 16	14 17.88	− 8 6.7	1.723	2.692	7.7	20.6	159 E	37	72
5 21	14 13.67	− 7 38.7	1.738	2.681	9.7	20.7	153 E	37	72
5 26	14 9.91	− 7 14.2	1.759	2.670	11.7	20.8	148 E	38	71
5 31	14 6.66	− 6 53.6	1.785	2.659	13.6	20.9	142 E	38	71
6 5	14 3.99	− 6 37.1	1.817	2.648	15.3	21.0	137 E	38	71
6 10	14 1.94	− 6 25.0	1.853	2.636	16.8	21.0	131 E	39	70
6 15	14 0.54	− 6 17.2	1.893	2.624	18.2	21.1	126 E	39	70
6 20	13 59.79	− 6 13.8	1.936	2.612	19.4	21.2	121 E	39*	70
6 25	13 59.69	− 6 14.6	1.982	2.600	20.5	21.3	117 E	38*	70
6 30	14 0.22	− 6 19.3	2.030	2.588	21.4	21.3	112 E	37*	70
7 5	14 1.36	− 6 27.7	2.080	2.575	22.1	21.4	108 E	36*	70
7 10	14 3.09	− 6 39.5	2.131	2.562	22.7	21.5	103 E	34*	71
454266 2014 FM_7									
3 17	15 5.64	+19 22.8	1.027	1.818	25.5	21.4	128 W	64	45
3 22	15 3.03	+20 32.9	1.017	1.836	23.9	21.4	132 W	66	43
3 27	14 59.27	+21 38.5	1.010	1.854	22.4	21.3	135 W	67	42
4 1	14 54.46	+22 37.2	1.008	1.871	21.1	21.3	138 W	68	41
4 6	14 48.73	+23 27.1	1.009	1.889	19.9	21.3	140 W	68	41
4 11	14 42.26	+24 6.1	1.015	1.905	19.0	21.3	142 W	69	40
4 16	14 35.29	+24 32.6	1.026	1.922	18.5	21.3	143 W	70	39
4 21	14 28.07	+24 45.7	1.041	1.938	18.4	21.4	143 W	70	39
4 26	14 20.88	+24 44.9	1.062	1.954	18.6	21.4	142 W	70	39
5 1	14 13.97	+24 30.8	1.087	1.970	19.1	21.5	140 E	70	39
5 6	14 7.53	+24 3.9	1.116	1.985	19.9	21.6	138 E	69	40
5 11	14 1.74	+23 25.6	1.150	2.000	20.8	21.7	135 E	68	41
5 16	13 56.74	+22 37.1	1.189	2.014	21.7	21.9	132 E	68	41
5 21	13 52.62	+21 40.1	1.231	2.028	22.7	22.0	129 E	67	42
5 26	13 49.39	+20 36.2	1.276	2.042	23.7	22.1	126 E	66	43
400559 2008 WN_{66}									
3 17	15 10.40	+ 5 41.2	1.726	2.475	18.2	21.4	129 W	51	58
3 27	15 6.71	+ 6 10.9	1.609	2.446	15.8	21.1	138 W	51	58
4 6	14 59.75	+ 6 36.7	1.512	2.415	12.9	20.9	147 W	52	57
4 16	14 49.73	+ 6 51.4	1.436	2.384	10.2	20.6	155 W	52	57
4 26	14 37.38	+ 6 47.2	1.385	2.352	8.8	20.5	159 W	52	57
5 6	14 23.91	+ 6 18.2	1.360	2.319	10.1	20.4	156 E	51	58
5 16	14 10.75	+ 5 21.4	1.361	2.286	13.3	20.5	149 E	50	59
5 26	13 59.32	+ 3 58.1	1.386	2.253	17.1	20.7	139 E	49	60
6 5	13 50.60	+ 2 12.6	1.431	2.219	20.7	20.8	129 E	47	62
6 15	13 45.13	+ 0 10.0	1.492	2.184	23.8	21.0	120 E	45*	64
6 25	13 43.05	− 2 4.8	1.564	2.149	26.2	21.1	111 E	41*	66
7 5	13 44.18	− 4 27.6	1.643	2.115	28.0	21.2	103 E	36*	68
7 15	13 48.27	− 6 55.8	1.725	2.080	29.1	21.3	95 E	31*	71
7 25	13 55.05	− 9 27.5	1.809	2.045	29.8	21.4	88 E	26*	73*
8 4	14 4.23	−12 0.9	1.891	2.010	30.0	21.5	82 E	22*	72*
442649 2012 TU_{124}									
3 17	15 10.61	−11 2.5	1.353	2.114	21.8	21.3	128 W	34	75
3 27	15 11.54	−10 54.4	1.236	2.082	18.9	21.0	137 W	34	75
4 6	15 9.03	−10 37.0	1.134	2.051	15.1	20.7	148 W	34	75
4 16	15 2.99	−10 12.1	1.051	2.019	10.4	20.3	159 W	35	74
4 21	14 58.77	− 9 58.1	1.018	2.003	7.9	20.1	164 W	35	74
4 26	14 53.90	− 9 43.9	0.990	1.988	5.3	19.9	169 W	35	74
5 1	14 48.52	− 9 30.1	0.968	1.972	3.4	19.7	173 W	35	74
5 6	14 42.83	− 9 17.6	0.951	1.956	3.8	19.7	173 E	36	73
5 11	14 37.03	− 9 7.2	0.941	1.940	6.2	19.8	168 E	36	73
5 16	14 31.36	− 8 59.8	0.936	1.925	9.1	19.9	162 E	36	73
5 21	14 26.05	− 8 56.2	0.937	1.909	12.1	20.0	157 E	36	73
5 26	14 21.29	− 8 57.0	0.943	1.894	15.1	20.1	151 E	36	73
6 5	14 14.05	− 9 12.9	0.968	1.863	20.5	20.3	140 E	36	73
6 15	14 10.51	− 9 49.1	1.008	1.833	25.2	20.5	130 E	35	74
6 25	14 10.99	−10 44.6	1.059	1.805	28.9	20.7	121 E	34*	75
7 5	14 15.35	−11 56.6	1.117	1.777	31.9	20.8	113 E	31*	76
7 15	14 23.34	−13 22.1	1.179	1.750	34.0	21.0	105 E	28*	77
7 25	14 34.60	−14 57.6	1.244	1.725	35.6	21.1	99 E	25*	79
8 4	14 48.78	−16 39.1	1.310	1.701	36.5	21.2	93 E	23*	81*
8 14	15 5.63	−18 23.4	1.376	1.680	37.1	21.3	88 E	20*	80*
8 24	15 24.92	−20 6.7	1.442	1.660	37.2	21.4	83 E	19*	77*
9 3	15 46.43	−21 45.3	1.507	1.643	37.0	21.5	79 E	17*	73*

518422 1998 WH_{30}

21/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
	h m	° ′			°	m	°	°	°
3 17	15 15.51	−33 39.6	1.539	2.208	23.0	21.3	120 W	11	82
3 22	15 16.99	−33 32.7	1.463	2.184	22.2	21.1	124 W	11	82
3 27	15 17.63	−33 19.0	1.389	2.160	21.1	20.9	129 W	12	83
4 1	15 17.40	−32 57.5	1.319	2.135	19.8	20.7	134 W	12	83
4 6	15 16.23	−32 27.2	1.252	2.111	18.2	20.6	139 W	13	84
4 11	15 14.11	−31 46.8	1.189	2.086	16.3	20.4	144 W	13	84
4 16	15 11.05	−30 55.2	1.131	2.061	14.2	20.1	150 W	14	85
4 21	15 7.12	−29 51.5	1.079	2.035	11.9	19.9	155 W	15	86
4 26	15 2.42	−28 34.9	1.032	2.010	9.4	19.7	161 W	16	87
5 1	14 57.10	−27 5.3	0.991	1.985	6.7	19.5	167 W	18	89
5 6	14 51.34	−25 23.0	0.956	1.959	4.6	19.3	171 E	20	89
5 11	14 45.37	−23 29.3	0.928	1.933	4.3	19.2	172 E	22	87
5 16	14 39.44	−21 26.3	0.907	1.907	6.5	19.2	168 E	24	85
5 21	14 33.80	−19 16.9	0.893	1.881	9.6	19.3	162 E	26	83
5 26	14 28.71	−17 4.6	0.885	1.856	13.1	19.3	156 E	28	81
5 31	14 24.32	−14 52.7	0.884	1.830	16.5	19.4	149 E	30	79
6 5	14 20.80	−12 44.5	0.888	1.804	19.9	19.5	143 E	32	77
6 10	14 18.25	−10 42.8	0.897	1.778	23.0	19.6	137 E	34	75
6 15	14 16.74	− 8 49.7	0.910	1.752	26.0	19.7	131 E	36	73
6 20	14 16.30	− 7 6.7	0.927	1.727	28.7	19.8	125 E	38*	71
6 25	14 16.92	− 5 34.5	0.946	1.701	31.1	19.9	120 E	39*	70
7 5	14 21.17	− 3 2.2	0.990	1.651	35.2	20.0	111 E	40*	67
7 15	14 29.19	− 1 10.1	1.038	1.603	38.3	20.1	103 E	40*	65
7 25	14 40.58	+ 0 7.8	1.085	1.556	40.5	20.2	96 E	40*	64
7 30	14 47.41	+ 0 36.0	1.108	1.533	41.4	20.3	92 E	40*	63
8 4	14 54.94	+ 0 58.1	1.130	1.511	42.2	20.3	89 E	39*	63
8 9	15 3.15	+ 1 14.9	1.151	1.490	42.8	20.3	87 E	39*	63*
8 14	15 12.01	+ 1 26.9	1.171	1.470	43.3	20.4	84 E	39*	62*
8 24	15 31.57	+ 1 39.8	1.206	1.432	44.0	20.4	80 E	39*	60*
9 3	15 53.44	+ 1 41.4	1.236	1.398	44.5	20.4	76 E	39*	58*
9 13	16 17.56	+ 1 35.5	1.260	1.370	44.8	20.4	73 E	40*	56*
9 23	16 43.86	+ 1 26.0	1.281	1.346	44.8	20.4	71 E	40*	53*
10 3	17 12.25	+ 1 15.8	1.298	1.330	44.8	20.4	69 E	41*	51*
10 13	17 42.69	+ 1 7.9	1.315	1.319	44.5	20.4	68 E	42*	48*
10 23	18 14.99	+ 1 5.2	1.333	1.316	44.1	20.4	67 E	42*	46*
11 2	18 48.92	+ 1 9.8	1.355	1.320	43.5	20.4	66 E	43*	43*
11 12	19 24.15	+ 1 24.0	1.384	1.330	42.7	20.5	66 E	44*	41*
11 22	20 0.20	+ 1 48.9	1.421	1.347	41.7	20.5	65 E	45*	38*
12 2	20 36.57	+ 2 25.0	1.469	1.370	40.4	20.6	64 E	45*	36*
12 12	21 12.73	+ 3 11.8	1.530	1.399	39.0	20.7	63 E	46*	33*
12 22	21 48.21	+ 4 8.1	1.602	1.433	37.3	20.8	62 E	46*	31*
1 1	22 22.64	+ 5 11.8	1.686	1.471	35.5	20.9	60 E	46*	28*
1 11	22 55.81	+ 6 20.9	1.781	1.513	33.5	21.1	58 E	46*	26*
1 21	23 27.58	+ 7 33.0	1.885	1.557	31.4	21.2	56 E	45*	24*

48338 2002 PV_{27}

21/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
3 17	15 18.14	−11 9.6	2.539	3.225	14.5	21.4	126 W	34	75
3 27	15 14.82	−10 30.9	2.452	3.250	12.2	21.2	137 W	34	75
4 6	15 9.39	− 9 45.6	2.384	3.273	9.4	21.1	148 W	35	74
4 16	15 2.21	− 8 56.4	2.340	3.296	6.3	20.9	159 W	36	73
4 26	14 53.85	− 8 6.5	2.325	3.317	3.4	20.8	169 W	37	72
5 6	14 45.05	− 7 19.9	2.339	3.338	2.8	20.8	171 E	38	71
5 16	14 36.56	− 6 40.2	2.382	3.358	5.4	21.0	162 E	38	71
5 26	14 29.08	− 6 10.5	2.454	3.377	8.3	21.2	151 E	39	70
6 5	14 23.12	− 5 52.4	2.550	3.395	11.0	21.4	140 E	39	70

347509 1999 RA_{104}

21/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
3 17	15 19.02	−17 30.2	1.226	1.968	24.7	21.5	124 W	27	82
3 27	15 24.41	−16 58.5	1.096	1.922	22.3	21.1	133 W	28	81
4 6	15 26.72	−16 3.9	0.979	1.875	18.9	20.7	143 W	29	80
4 16	15 25.53	−14 44.2	0.878	1.829	14.5	20.2	153 W	30	79
4 26	15 20.81	−13 0.3	0.795	1.783	9.2	19.8	164 W	32	77
5 1	15 17.27	−12 0.5	0.761	1.760	6.4	19.5	169 W	33	76
5 6	15 13.10	−10 56.9	0.732	1.737	4.4	19.3	172 W	34	75
5 11	15 8.48	− 9 51.1	0.709	1.715	4.7	19.2	172 E	35	74
5 16	15 3.62	− 8 45.1	0.691	1.692	7.3	19.3	168 E	36	73
5 21	14 58.80	− 7 41.0	0.677	1.670	10.6	19.3	162 E	37	72
5 26	14 54.27	− 6 41.0	0.669	1.648	14.2	19.4	157 E	38	71
5 31	14 50.25	− 5 47.0	0.665	1.627	17.7	19.5	151 E	39	70
6 5	14 46.96	− 5 0.5	0.665	1.606	21.2	19.6	145 E	40	69
6 10	14 44.57	− 4 22.9	0.668	1.585	24.4	19.7	140 E	41	68
6 15	14 43.21	− 3 54.8	0.675	1.565	27.5	19.7	135 E	41	68
6 25	14 43.93	− 3 27.8	0.694	1.527	32.9	19.9	125 E	42	67
7 5	14 49.26	− 3 37.2	0.719	1.492	37.2	20.1	117 E	41*	68
7 15	14 59.07	− 4 17.8	0.749	1.459	40.7	20.2	111 E	39*	68
7 20	15 5.56	− 4 47.9	0.764	1.445	42.1	20.3	108 E	38*	69
7 25	15 13.04	− 5 23.3	0.779	1.431	43.3	20.3	105 E	37*	69

347509 1999 RA_{104} *(continuation)*

21/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
	h m	° ′			°	m	°	°	°
7 30	15 21.44	− 6 3.1	0.795	1.419	44.3	20.4	103 E	36*	70
8 4	15 30.74	− 6 46.6	0.811	1.407	45.2	20.4	100 E	35*	71
8 9	15 40.89	− 7 32.9	0.827	1.397	45.9	20.5	98 E	35*	72
8 14	15 51.85	− 8 21.1	0.844	1.388	46.5	20.5	96 E	34*	72
8 19	16 3.59	− 9 10.5	0.861	1.381	46.9	20.5	95 E	33*	73
8 24	16 16.04	−10 0.0	0.878	1.374	47.3	20.6	93 E	32*	74*
8 29	16 29.17	−10 48.9	0.896	1.370	47.5	20.6	92 E	32*	75*
9 3	16 42.94	−11 36.3	0.915	1.366	47.6	20.7	90 E	31*	75*
9 8	16 57.30	−12 21.5	0.934	1.364	47.6	20.7	89 E	31*	75*
9 13	17 12.22	−13 3.6	0.955	1.364	47.5	20.8	88 E	30*	75*
9 18	17 27.62	−13 41.9	0.976	1.365	47.3	20.8	87 E	30*	75*
9 23	17 43.45	−14 15.5	0.999	1.367	47.1	20.9	86 E	30*	75*
9 28	17 59.63	−14 43.9	1.024	1.371	46.8	20.9	85 E	29*	74*
10 3	18 16.10	−15 6.7	1.050	1.376	46.3	21.0	84 E	29*	73*
10 8	18 32.81	−15 23.2	1.078	1.383	45.9	21.0	83 E	29*	73*
10 13	18 49.67	−15 33.3	1.107	1.391	45.3	21.1	83 E	29*	72*
10 18	19 6.60	−15 36.7	1.139	1.400	44.8	21.1	82 E	29*	71*
10 23	19 23.54	−15 33.3	1.172	1.411	44.1	21.2	81 E	29*	69*
10 28	19 40.42	−15 23.2	1.208	1.423	43.4	21.3	80 E	30*	68*
11 2	19 57.17	−15 6.6	1.246	1.435	42.7	21.3	79 E	30*	67*
11 7	20 13.77	−14 43.8	1.286	1.449	42.0	21.4	78 E	30*	65*
11 12	20 30.15	−14 15.0	1.328	1.464	41.2	21.5	77 E	31*	63*

358498 2007 RP_{145}

21/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
3 17	15 20.02	−21 52.1	1.752	2.440	20.0	21.4	123 W	23	86
3 27	15 20.41	−22 13.9	1.615	2.406	17.8	21.1	133 W	23	86
4 6	15 17.69	−22 24.9	1.494	2.371	14.7	20.8	143 W	23	86
4 16	15 11.77	−22 22.9	1.392	2.336	10.9	20.4	154 W	23	86
4 26	15 3.02	−22 6.5	1.313	2.300	6.3	20.1	165 W	23	86
5 1	14 57.84	−21 52.8	1.282	2.282	4.0	19.9	171 W	23	86
5 6	14 52.31	−21 35.7	1.258	2.264	2.3	19.7	175 W	23	86
5 11	14 46.60	−21 15.6	1.240	2.246	3.0	19.7	173 E	24	85
5 16	14 40.92	−20 53.2	1.228	2.227	5.4	19.8	168 E	24	85
5 21	14 35.47	−20 29.3	1.223	2.209	8.0	19.9	162 E	25	84
5 26	14 30.43	−20 5.1	1.224	2.191	10.6	20.0	156 E	25	84
5 31	14 25.94	−19 41.4	1.231	2.172	13.2	20.1	151 E	25	84
6 5	14 22.15	−19 19.1	1.242	2.154	15.7	20.2	145 E	26	83
6 10	14 19.15	−18 59.2	1.259	2.135	18.0	20.3	140 E	26	83
6 15	14 17.02	−18 42.3	1.279	2.117	20.1	20.4	134 E	26	83
6 25	14 15.48	−18 19.7	1.330	2.080	23.8	20.5	124 E	26*	82
7 5	14 17.52	−18 13.2	1.391	2.043	26.8	20.7	115 E	25*	82
7 15	14 22.96	−18 22.7	1.458	2.006	29.0	20.8	107 E	23*	82
7 25	14 31.53	−18 46.8	1.529	1.970	30.6	20.9	100 E	22*	83
8 4	14 42.90	−19 22.5	1.600	1.934	31.6	21.0	93 E	20*	83*
8 14	14 56.82	−20 7.2	1.671	1.900	32.2	21.1	86 E	18*	80*
8 24	15 13.05	−20 57.6	1.739	1.866	32.3	21.1	81 E	17*	75*
9 3	15 31.39	−21 50.2	1.805	1.833	32.2	21.2	75 E	16*	69*
9 13	15 51.71	−22 42.0	1.868	1.802	31.8	21.2	71 E	15*	65*
9 23	16 13.84	−23 29.5	1.927	1.773	31.1	21.2	66 E	14*	60*
10 3	16 37.65	−24 9.2	1.983	1.745	30.3	21.2	62 E	14*	56*
10 13	17 2.98	−24 38.2	2.035	1.719	29.3	21.2	58 E	14*	51*
10 23	17 29.63	−24 53.3	2.085	1.696	28.2	21.2	54 E	14*	47*
11 2	17 57.38	−24 51.8	2.132	1.676	27.0	21.2	50 E	14*	43*
11 12	18 26.00	−24 31.8	2.177	1.658	25.6	21.2	46 E	15*	39*
11 22	18 55.20	−23 51.6	2.221	1.643	24.2	21.1	43 E	15*	35*
12 2	19 24.71	−22 50.6	2.263	1.632	22.7	21.1	40 E	16*	31*
12 12	19 54.26	−21 28.9	2.305	1.624	21.2	21.1	37 E	16*	27*
12 22	20 23.62	−19 47.5	2.346	1.619	19.6	21.1	33 E	16*	23*
1 1	20 52.60	−17 48.0	2.388	1.618	17.9	21.1	30 E	16*	19*
1 11	21 21.08	−15 32.7	2.429	1.620	16.2	21.1	27 E	16*	15*
1 21	21 48.95	−13 4.1	2.471	1.626	14.5	21.0	24 E	14*	12*

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21/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
3 17	15 27.26	−24 46.1	2.011	2.658	18.8	21.3	121 W	20	89
3 27	15 26.56	−25 21.9	1.875	2.633	16.8	21.1	130 W	20	89
4 6	15 22.83	−25 48.5	1.755	2.607	14.1	20.8	141 W	19	90
4 16	15 16.08	−26 3.4	1.654	2.580	10.7	20.5	151 W	19	90
4 26	15 6.68	−26 3.9	1.576	2.553	6.9	20.2	162 W	19	90
5 1	15 1.25	−25 58.3	1.547	2.539	5.1	20.1	167 W	19	90
5 6	14 55.49	−25 48.9	1.524	2.525	3.7	20.0	171 W	19	90
5 11	14 49.59	−25 35.7	1.508	2.510	3.7	19.9	171 E	19	90
5 16	14 43.71	−25 19.4	1.499	2.496	5.1	20.0	167 E	20	89
5 21	14 38.05	−25 0.5	1.497	2.481	7.0	20.1	163 E	20	89
5 26	14 32.76	−24 39.9	1.501	2.466	9.2	20.2	157 E	20	89
5 31	14 27.98	−24 18.5	1.512	2.451	11.3	20.2	152 E	21	88
6 5	14 23.82	−23 57.1	1.527	2.436	13.4	20.3	146 E	21	88
6 10	14 20.38	−23 36.6	1.549	2.421	15.4	20.4	141 E	21	88
6 15	14 17.72	−23 17.8	1.574	2.405	17.3	20.5	135 E	22	87
6 20	14 15.89	−23 1.3	1.604	2.390	18.9	20.6	130 E	22*	87
6 25	14 14.88	−22 47.5	1.637	2.374	20.5	20.7	125 E	22*	87

235779 2004 VO_{75} *(continuation)*

21/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
	h m	° ′			°	m	°	°	°
6 30	14 14.69	−22 36.9	1.673	2.358	21.8	20.7	120 E	22*	87
7 5	14 15.30	−22 29.5	1.712	2.342	23.0	20.8	116 E	21*	86
7 10	14 16.68	−22 25.5	1.752	2.326	24.0	20.9	111 E	20*	86
7 15	14 18.82	−22 24.9	1.794	2.309	24.9	20.9	107 E	19*	86
7 20	14 21.67	−22 27.6	1.837	2.293	25.6	21.0	103 E	18*	86
7 25	14 25.19	−22 33.4	1.881	2.277	26.1	21.0	99 E	17*	87
7 30	14 29.35	−22 42.0	1.925	2.260	26.6	21.1	95 E	17*	87
8 4	14 34.10	−22 53.2	1.969	2.243	26.9	21.1	92 E	16*	85*
8 9	14 39.44	−23 6.9	2.013	2.227	27.1	21.2	88 E	15*	82*
8 14	14 45.32	−23 22.6	2.056	2.210	27.2	21.2	85 E	14*	79*
8 19	14 51.72	−23 40.1	2.099	2.193	27.2	21.2	82 E	13*	76*
8 24	14 58.61	−23 59.1	2.141	2.176	27.1	21.3	78 E	13*	72*
8 29	15 5.97	−24 19.2	2.181	2.159	26.9	21.3	75 E	12*	69*
9 3	15 13.79	−24 40.2	2.221	2.143	26.7	21.3	72 E	11*	66*
9 8	15 22.04	−25 1.7	2.259	2.126	26.3	21.3	69 E	11*	63*
9 13	15 30.72	−25 23.5	2.296	2.109	26.0	21.3	67 E	10*	60*
9 18	15 39.80	−25 45.1	2.331	2.092	25.5	21.3	64 E	10*	58*
9 23	15 49.28	−26 6.3	2.365	2.075	25.0	21.3	61 E	10*	55*
9 28	15 59.13	−26 26.7	2.397	2.058	24.5	21.3	58 E	9*	52*
10 3	16 9.35	−26 46.1	2.427	2.041	23.9	21.3	56 E	9*	50*
10 8	16 19.93	−27 4.1	2.456	2.025	23.3	21.3	53 E	9*	47*
10 13	16 30.86	−27 20.4	2.483	2.008	22.7	21.3	51 E	9*	45*
10 18	16 42.11	−27 34.7	2.508	1.992	22.0	21.3	48 E	8*	42*
10 23	16 53.67	−27 46.6	2.532	1.976	21.3	21.2	46 E	8*	40*
10 28	17 5.54	−27 56.0	2.554	1.959	20.5	21.2	44 E	8*	38*
11 2	17 17.68	−28 2.4	2.574	1.943	19.7	21.2	41 E	8*	35*
11 7	17 30.10	−28 5.6	2.592	1.928	18.9	21.2	39 E	8*	33*
11 12	17 42.75	−28 5.4	2.609	1.912	18.1	21.1	37 E	7*	31*
11 17	17 55.63	−28 1.6	2.624	1.897	17.3	21.1	35 E	7*	28*
11 22	18 8.71	−27 53.8	2.637	1.882	16.4	21.1	33 E	7*	26*
11 27	18 21.96	−27 41.8	2.649	1.867	15.6	21.0	31 E	7*	24*
12 2	18 35.36	−27 25.7	2.659	1.853	14.7	21.0	28 E	7*	22*
12 7	18 48.90	−27 5.0	2.668	1.838	13.8	20.9	26 E	6*	19*
12 12	19 2.53	−26 39.9	2.675	1.825	12.9	20.9	24 E	6*	17*
12 17	19 16.24	−26 10.1	2.681	1.811	12.0	20.9	22 E	6*	15*
12 22	19 30.00	−25 35.7	2.686	1.798	11.1	20.8	21 E	5*	13*
12 27	19 43.78	−24 56.7	2.690	1.786	10.1	20.8	19 E	5*	11*
1 1	19 57.58	−24 13.0	2.692	1.774	9.2	20.7	17 E	4*	9*
1 6	20 11.36	−23 24.7	2.694	1.762	8.3	20.7	15 E	3*	8*
1 11	20 25.11	−22 31.9	2.694	1.751	7.3	20.6	13 E	2*	6*
1 16	20 38.81	−21 34.8	2.694	1.740	6.4	20.5	11 E	1*	4*
1 21	20 52.44	−20 33.5	2.692	1.730	5.5	20.5	10 E	—	3*

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3 17	15 34.14	−18 15.3	2.264	2.901	17.2	21.3	121 W	27	82
3 27	15 32.78	−17 58.9	2.104	2.860	15.3	21.0	131 W	27	82
4 6	15 28.66	−17 31.4	1.961	2.817	12.7	20.8	142 W	27	82
4 16	15 21.76	−16 52.3	1.838	2.772	9.3	20.5	153 W	28	81
4 26	15 12.36	−16 1.9	1.740	2.726	5.3	20.1	166 W	29	80
5 6	15 1.14	−15 2.5	1.670	2.678	1.0	19.7	177 W	30	79
5 11	14 55.16	−14 30.6	1.646	2.654	1.9	19.7	175 E	30	79
5 16	14 49.11	−13 58.2	1.629	2.629	4.3	19.8	169 E	31	78
5 21	14 43.18	−13 26.0	1.620	2.603	6.7	19.9	163 E	32	77
5 26	14 37.50	−12 55.0	1.618	2.577	9.1	20.0	156 E	32	77
5 31	14 32.21	−12 25.8	1.622	2.551	11.4	20.1	150 E	33	76
6 5	14 27.42	−11 59.2	1.632	2.525	13.6	20.2	144 E	33	76
6 15	14 19.74	−11 16.1	1.667	2.470	17.6	20.3	133 E	34	75
6 25	14 14.98	−10 49.1	1.719	2.414	21.0	20.4	122 E	34*	75
7 5	14 13.27	−10 39.1	1.781	2.356	23.6	20.5	112 E	32*	75
7 15	14 14.57	−10 45.6	1.850	2.296	25.6	20.6	103 E	30*	75
7 25	14 18.69	−11 7.2	1.919	2.235	27.0	20.7	94 E	27*	75
8 4	14 25.40	−11 41.6	1.987	2.172	27.8	20.7	86 E	25*	75*
8 14	14 34.51	−12 26.7	2.050	2.108	28.2	20.7	79 E	23*	71*
8 24	14 45.85	−13 20.3	2.106	2.042	28.2	20.7	72 E	20*	65*
9 3	14 59.26	−14 20.0	2.154	1.974	27.9	20.7	66 E	19*	60*
9 13	15 14.68	−15 23.7	2.192	1.905	27.3	20.6	60 E	17*	54*
9 23	15 32.07	−16 29.1	2.219	1.835	26.6	20.5	55 E	16*	49*
10 3	15 51.42	−17 33.6	2.235	1.764	25.7	20.5	50 E	15*	43*
10 13	16 12.77	−18 34.7	2.241	1.692	24.7	20.3	45 E	14*	39*
10 23	16 36.15	−19 29.3	2.236	1.619	23.7	20.2	41 E	13*	34*
11 2	17 1.63	−20 14.2	2.221	1.547	22.7	20.1	37 E	13*	30*
11 12	17 29.26	−20 45.7	2.197	1.475	21.7	19.9	33 E	12*	26*
11 22	17 59.05	−20 59.6	2.166	1.404	20.8	19.7	30 E	12*	22*
12 2	18 30.96	−20 51.6	2.129	1.336	20.0	19.6	28 E	12*	18*
12 12	19 4.92	−20 17.5	2.088	1.271	19.4	19.4	25 E	12*	15*
12 22	19 40.73	−19 13.2	2.044	1.211	19.1	19.2	24 E	12*	13*
1 1	20 18.14	−17 35.9	2.002	1.158	19.0	19.1	23 E	12*	11*
1 11	20 56.83	−15 24.3	1.963	1.113	19.3	19.0	22 E	12*	10*
1 21	21 36.43	−12 39.6	1.930	1.079	19.7	18.9	22 E	13*	9*

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21/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
	h m	° ′			°	m	°	°	°
3 17	15 37.10	−32 46.1	2.292	2.869	18.2	21.3	116 W	12	83
3 27	15 33.30	−32 47.8	2.134	2.839	16.5	21.1	126 W	12	83
4 6	15 26.10	−32 32.8	1.991	2.807	14.1	20.8	137 W	12	83
4 16	15 15.52	−31 55.6	1.869	2.773	11.0	20.6	148 W	13	84
4 26	15 2.10	−30 51.7	1.771	2.736	7.5	20.3	159 W	14	85
5 1	14 54.64	−30 9.0	1.733	2.716	5.9	20.1	164 W	15	86
5 6	14 46.90	−29 19.4	1.703	2.696	4.8	20.0	167 E	16	87
5 11	14 39.07	−28 23.2	1.681	2.675	4.8	20.0	167 E	17	88
5 16	14 31.36	−27 21.7	1.667	2.654	6.0	20.0	164 E	18	89
5 21	14 23.96	−26 16.0	1.661	2.631	7.9	20.1	159 E	19	90
5 26	14 17.05	−25 7.7	1.662	2.609	10.0	20.1	154 E	20	89
5 31	14 10.75	−23 58.5	1.671	2.585	12.1	20.2	148 E	21	88
6 5	14 5.19	−22 49.8	1.686	2.561	14.2	20.3	142 E	22	87
6 10	14 0.42	−21 43.1	1.707	2.536	16.2	20.4	136 E	23	86
6 15	13 56.51	−20 39.5	1.734	2.510	18.1	20.4	130 E	24*	85
6 20	13 53.47	−19 40.2	1.764	2.484	19.7	20.5	124 E	25*	84
6 25	13 51.29	−18 45.7	1.799	2.457	21.2	20.6	119 E	25*	83
6 30	13 49.94	−17 56.4	1.836	2.429	22.6	20.6	114 E	25*	82
7 5	13 49.39	−17 12.5	1.875	2.400	23.7	20.7	109 E	25*	81
7 10	13 49.61	−16 34.1	1.916	2.371	24.6	20.7	104 E	24*	81
7 15	13 50.56	−16 1.1	1.957	2.340	25.4	20.8	99 E	23*	80
7 20	13 52.19	−15 33.3	1.999	2.309	26.0	20.8	94 E	22*	80
7 25	13 54.47	−15 10.3	2.040	2.278	26.5	20.8	90 E	21*	79*
7 30	13 57.34	−14 51.9	2.080	2.245	26.8	20.9	86 E	20*	77*
8 4	14 0.77	−14 37.6	2.118	2.211	27.0	20.9	82 E	19*	74*
8 9	14 4.74	−14 27.3	2.155	2.177	27.1	20.9	78 E	19*	71*
8 14	14 9.22	−14 20.4	2.189	2.142	27.0	20.9	74 E	18*	67*
8 19	14 14.19	−14 16.7	2.221	2.106	26.9	20.9	70 E	17*	64*
8 24	14 19.61	−14 15.8	2.250	2.069	26.7	20.8	67 E	16*	60*
8 29	14 25.47	−14 17.3	2.276	2.030	26.3	20.8	63 E	16*	57*
9 3	14 31.77	−14 20.9	2.299	1.992	26.0	20.8	60 E	15*	54*
9 8	14 38.49	−14 26.3	2.318	1.952	25.5	20.7	56 E	15*	50*
9 13	14 45.62	−14 33.1	2.333	1.911	25.0	20.7	53 E	14*	47*
9 18	14 53.17	−14 41.1	2.344	1.869	24.4	20.6	50 E	14*	44*
9 23	15 1.13	−14 49.8	2.352	1.826	23.8	20.6	47 E	13*	41*
9 28	15 9.50	−14 59.1	2.355	1.782	23.2	20.5	44 E	13*	38*
10 3	15 18.30	−15 8.5	2.353	1.736	22.5	20.4	42 E	13*	35*
10 13	15 37.21	−15 26.6	2.337	1.643	21.1	20.3	36 E	12*	29*
10 23	15 57.97	−15 41.3	2.303	1.544	19.6	20.0	31 E	11*	24*
11 2	16 20.76	−15 49.5	2.252	1.441	18.3	19.8	27 E	11*	19*
11 12	16 45.84	−15 47.8	2.182	1.333	17.2	19.5	23 E	11*	14*
11 22	17 13.53	−15 31.9	2.096	1.221	16.4	19.2	20 E	10*	10*
12 2	17 44.29	−14 57.3	1.994	1.104	16.4	18.9	18 E	10*	6*
12 7	18 1.01	−14 31.3	1.938	1.044	16.8	18.7	18 E	10*	4*
12 12	18 18.71	−13 58.4	1.878	0.983	17.4	18.5	17 E	11*	3*
12 17	18 37.52	−13 18.1	1.814	0.923	18.5	18.4	17 E	11*	2*
12 22	18 57.54	−12 29.7	1.748	0.862	20.0	18.2	17 E	11*	1*
12 27	19 18.90	−11 32.8	1.680	0.803	22.1	18.0	18 E	12*	—
1 1	19 41.74	−10 27.4	1.609	0.745	24.9	17.8	19 E	12*	—
1 6	20 6.21	− 9 13.9	1.535	0.692	28.4	17.7	20 E	13*	—
1 11	20 32.42	− 7 54.0	1.460	0.644	32.9	17.5	21 E	15*	1*
1 16	21 0.46	− 6 30.6	1.384	0.605	38.3	17.4	22 E	16*	2*
1 21	21 30.35	− 5 7.8	1.307	0.577	44.6	17.4	24 E	18*	4*

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3 17	15 40.44	−42 26.4	2.073	2.609	20.8	21.5	112 W	3	74
3 22	15 39.76	−43 22.0	2.029	2.622	20.0	21.4	116 W	2	73
3 27	15 38.12	−44 14.9	1.989	2.635	19.1	21.4	120 W	1	72
4 1	15 35.50	−45 4.6	1.951	2.647	18.2	21.3	124 W	—	71
4 6	15 31.87	−45 50.1	1.917	2.659	17.1	21.2	129 W	—	70
4 11	15 27.26	−46 30.4	1.888	2.671	16.0	21.2	133 W	—	69
4 16	15 21.73	−47 4.4	1.863	2.683	14.9	21.1	137 W	—	69
4 21	15 15.40	−47 31.2	1.843	2.695	13.7	21.1	140 W	—	68
4 26	15 8.43	−47 50.0	1.829	2.706	12.7	21.0	144 W	—	68
5 1	15 1.01	−48 0.3	1.820	2.717	11.8	21.0	146 W	—	68
5 6	14 53.35	−48 1.7	1.817	2.728	11.2	21.0	148 W	—	68
5 11	14 45.69	−47 54.4	1.821	2.739	10.8	21.0	149 E	—	68
5 16	14 38.28	−47 38.8	1.830	2.749	10.8	21.0	149 E	—	68
5 21	14 31.34	−47 15.9	1.846	2.760	11.1	21.0	148 E	—	69
5 26	14 25.04	−46 46.8	1.868	2.770	11.6	21.1	147 E	—	69
5 31	14 19.52	−46 12.8	1.896	2.780	12.4	21.1	144 E	—	70
6 5	14 14.88	−45 35.4	1.929	2.789	13.3	21.2	141 E	—	70
6 10	14 11.15	−44 55.8	1.967	2.799	14.3	21.3	137 E	—	71
6 15	14 8.38	−44 15.4	2.010	2.808	15.2	21.4	133 E	1	72
6 20	14 6.54	−43 35.2	2.058	2.817	16.1	21.5	130 E	1*	72

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3 17	15 52.98	−10 42.3	2.328	2.924	17.6	21.4	118 W	34	75
3 27	15 53.03	− 9 56.2	2.197	2.912	15.8	21.2	127 W	35	74
4 6	15 50.59	− 9 1.7	2.082	2.900	13.5	21.0	138 W	36	73
4 16	15 45.66	− 8 1.0	1.985	2.886	10.6	20.8	148 W	37	72

21/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
96011 2004 PD_6 *(continuation)*									
	h m	° ′			°	m	°	°	°
4 26	15 38.54	− 6 57.4	1.913	2.871	7.5	20.5	158 W	38	71
5 6	15 29.79	− 5 55.4	1.866	2.855	4.9	20.3	166 W	39	70
5 11	15 25.05	− 5 26.6	1.854	2.847	4.5	20.3	167 W	40	69
5 16	15 20.21	− 5 0.1	1.848	2.839	5.0	20.3	166 E	40	69
5 21	15 15.41	− 4 36.6	1.849	2.830	6.3	20.4	162 E	40	69
5 26	15 10.76	− 4 16.5	1.858	2.821	7.8	20.5	158 E	41	68
6 5	15 2.36	− 3 48.0	1.893	2.803	11.2	20.6	148 E	41	68
6 15	14 55.73	− 3 36.4	1.952	2.784	14.4	20.8	137 E	41	68
6 25	14 51.35	− 3 41.7	2.028	2.763	17.0	20.9	127 E	41	68
7 5	14 49.40	− 4 2.2	2.119	2.742	19.2	21.1	118 E	41*	68
7 15	14 49.89	− 4 35.9	2.219	2.720	20.7	21.2	109 E	39*	69
7 25	14 52.71	− 5 20.4	2.326	2.697	21.8	21.3	100 E	36*	69
8 4	14 57.67	− 6 13.1	2.435	2.674	22.3	21.4	92 E	33*	70
408742 2014 OF_{112}									
3 17	15 55.39	−33 21.9	1.883	2.438	22.2	21.3	112 W	12	83
3 22	15 57.72	−34 3.7	1.810	2.421	21.7	21.2	116 W	11	82
3 27	15 59.34	−34 44.9	1.739	2.403	21.0	21.0	120 W	10	81
4 1	16 0.19	−35 25.2	1.671	2.386	20.1	20.9	125 W	10	81
4 6	16 0.21	−36 4.4	1.606	2.368	19.1	20.8	129 W	9	80
4 11	15 59.33	−36 41.8	1.544	2.350	18.0	20.6	134 W	8	79
4 16	15 57.51	−37 16.9	1.487	2.333	16.7	20.5	138 W	8	79
4 21	15 54.76	−37 48.8	1.434	2.315	15.3	20.3	143 W	7	78
4 26	15 51.07	−38 16.7	1.386	2.297	13.8	20.2	147 W	7	78
5 1	15 46.50	−38 39.7	1.343	2.279	12.3	20.1	151 W	6	77
5 6	15 41.15	−38 56.9	1.305	2.260	10.9	19.9	155 W	6	77
5 11	15 35.14	−39 7.3	1.273	2.242	9.7	19.8	158 W	6	77
5 16	15 28.67	−39 10.3	1.247	2.224	9.0	19.7	160 E	6	77
5 21	15 21.98	−39 5.8	1.227	2.206	9.0	19.7	160 E	6	77
5 26	15 15.33	−38 53.7	1.213	2.187	9.7	19.7	159 E	6	77
5 31	15 8.95	−38 34.8	1.205	2.169	11.1	19.7	156 E	6	77
6 5	15 3.08	−38 9.8	1.202	2.151	12.8	19.7	152 E	7	78
6 10	14 57.93	−37 40.0	1.204	2.133	14.7	19.8	148 E	7	78
6 15	14 53.67	−37 6.8	1.212	2.114	16.7	19.8	143 E	8	79
6 20	14 50.42	−36 31.7	1.224	2.096	18.7	19.9	139 E	8	79
6 25	14 48.25	−35 56.2	1.239	2.078	20.6	20.0	134 E	9	80
6 30	14 47.18	−35 21.4	1.259	2.060	22.4	20.0	129 E	10*	81
7 5	14 47.21	−34 48.2	1.281	2.042	24.1	20.1	125 E	10*	81
7 10	14 48.32	−34 17.3	1.306	2.024	25.6	20.2	121 E	10*	82
7 15	14 50.49	−33 49.4	1.334	2.007	26.9	20.2	117 E	10*	82
7 25	14 57.76	−33 3.2	1.393	1.972	29.2	20.4	109 E	10*	83
8 4	15 8.58	−32 29.6	1.457	1.938	30.8	20.5	102 E	9*	84
8 14	15 22.53	−32 6.7	1.523	1.905	32.0	20.6	95 E	9*	83*
8 24	15 39.25	−31 51.6	1.590	1.873	32.7	20.6	89 E	9*	80*
9 3	15 58.38	−31 40.5	1.657	1.842	33.0	20.7	84 E	9*	75*
9 13	16 19.66	−31 29.5	1.722	1.813	32.9	20.8	79 E	9*	71*
9 23	16 42.80	−31 14.8	1.786	1.786	32.6	20.8	74 E	10*	67*
10 3	17 7.50	−30 52.7	1.848	1.761	32.1	20.8	69 E	10*	63*
10 13	17 33.52	−30 19.9	1.909	1.738	31.3	20.8	65 E	11*	59*
10 23	18 0.54	−29 33.5	1.968	1.718	30.4	20.9	61 E	12*	55*
11 2	18 28.25	−28 31.4	2.025	1.700	29.3	20.9	57 E	13*	51*
11 12	18 56.38	−27 12.2	2.082	1.686	28.0	20.9	53 E	15*	46*
11 22	19 24.64	−25 35.3	2.137	1.674	26.7	20.9	50 E	16*	42*
12 2	19 52.79	−23 40.9	2.191	1.665	25.2	20.9	46 E	17*	37*
12 12	20 20.65	−21 29.8	2.245	1.660	23.7	20.9	43 E	19*	32*
12 22	20 48.05	−19 3.5	2.299	1.658	22.0	20.9	39 E	20*	28*
1 1	21 14.92	−16 24.0	2.353	1.660	20.3	20.9	36 E	20*	23*
1 11	21 41.23	−13 33.4	2.406	1.664	18.6	20.9	33 E	20*	19*
1 21	22 6.95	−10 34.2	2.459	1.673	16.8	20.9	29 E	19*	15*
118108 2398 *T–3*									
3 17	15 56.76	−25 11.9	2.632	3.170	16.7	21.4	114 W	20	89
3 27	15 55.92	−25 29.9	2.507	3.174	15.1	21.2	124 W	20	89
4 6	15 52.57	−25 40.6	2.396	3.177	13.0	21.1	134 W	19	90
4 16	15 46.76	−25 42.4	2.303	3.180	10.3	20.9	145 W	19	90
4 26	15 38.81	−25 34.3	2.233	3.181	7.2	20.7	157 W	19	90
5 6	15 29.33	−25 15.7	2.189	3.182	3.9	20.5	168 W	20	89
5 11	15 24.26	−25 2.7	2.178	3.182	2.5	20.4	172 W	20	89
5 16	15 19.13	−24 47.6	2.175	3.182	2.0	20.3	174 E	20	89
5 21	15 14.07	−24 30.7	2.179	3.181	3.0	20.4	170 E	20	89
5 26	15 9.19	−24 12.5	2.190	3.180	4.6	20.5	165 E	21	88
5 31	15 4.60	−23 53.7	2.208	3.180	6.3	20.6	160 E	21	88
6 5	15 0.37	−23 34.6	2.233	3.178	7.9	20.7	154 E	21	88
6 10	14 56.60	−23 15.8	2.264	3.177	9.5	20.8	149 E	22	87
6 15	14 53.35	−22 57.9	2.302	3.175	11.0	20.9	143 E	22	87
6 20	14 50.66	−22 41.3	2.344	3.173	12.4	21.0	138 E	22	87
6 25	14 48.56	−22 26.5	2.392	3.171	13.6	21.1	133 E	23	86
6 30	14 47.04	−22 13.6	2.444	3.169	14.7	21.2	128 E	23*	86
7 5	14 46.13	−22 2.8	2.500	3.166	15.7	21.2	123 E	23*	86
118108 2398 *T–3* *(continuation)*									
	h m	° ′			°	m	°	°	°
7 10	14 45.80	−21 54.4	2.558	3.164	16.5	21.3	118 E	22*	86
7 15	14 46.04	−21 48.4	2.620	3.161	17.2	21.4	113 E	22*	86
7 20	14 46.85	−21 44.8	2.684	3.157	17.8	21.5	109 E	21*	86
198888 2005 TY_{77}									
3 17	16 0.89	−23 59.6	1.940	2.507	21.4	21.4	113 W	21	88
3 27	16 3.47	−24 38.6	1.797	2.480	19.8	21.1	122 W	20	89
4 6	16 3.07	−25 12.7	1.666	2.453	17.6	20.9	132 W	20	89
4 16	15 59.37	−25 40.1	1.549	2.425	14.5	20.6	143 W	19	90
4 26	15 52.34	−25 58.4	1.453	2.396	10.7	20.3	154 W	19	90
5 6	15 42.40	−26 5.1	1.378	2.367	6.4	20.0	165 W	19	90
5 11	15 36.59	−26 3.4	1.351	2.352	4.3	19.8	170 W	19	90
5 16	15 30.43	−25 58.3	1.330	2.336	3.0	19.7	173 E	19	90
5 21	15 24.13	−25 49.9	1.315	2.321	3.6	19.7	172 E	19	90
5 26	15 17.88	−25 38.6	1.307	2.305	5.7	19.7	167 E	19	90
5 31	15 11.88	−25 25.2	1.306	2.290	8.1	19.8	162 E	20	89
6 5	15 6.31	−25 10.2	1.310	2.274	10.5	19.9	156 E	20	89
6 10	15 1.34	−24 54.6	1.321	2.258	13.0	20.0	150 E	20	89
6 15	14 57.11	−24 39.3	1.336	2.242	15.3	20.1	144 E	20	89
6 20	14 53.70	−24 25.0	1.357	2.225	17.4	20.2	139 E	21	88
6 25	14 51.18	−24 12.5	1.381	2.209	19.4	20.3	134 E	21	88
7 5	14 48.91	−23 54.9	1.440	2.176	22.9	20.5	124 E	21*	88
7 15	14 50.29	−23 49.1	1.510	2.143	25.6	20.6	115 E	20*	88
7 25	14 55.11	−23 55.6	1.586	2.109	27.5	20.8	106 E	18*	88
8 4	15 3.05	−24 13.3	1.665	2.075	28.9	20.9	99 E	17*	88
8 14	15 13.81	−24 40.2	1.745	2.041	29.7	21.0	92 E	15*	85*
8 24	15 27.10	−25 13.8	1.824	2.007	30.1	21.0	85 E	14*	79*
9 3	15 42.66	−25 51.2	1.900	1.973	30.1	21.1	79 E	13*	73*
9 13	16 0.34	−26 29.4	1.972	1.939	29.8	21.1	73 E	12*	67*
9 23	16 19.93	−27 5.6	2.040	1.906	29.2	21.1	68 E	12*	62*
10 3	16 41.28	−27 36.4	2.103	1.874	28.4	21.1	63 E	11*	57*
10 13	17 4.26	−27 59.2	2.160	1.842	27.4	21.1	58 E	11*	52*
10 23	17 28.67	−28 11.0	2.213	1.811	26.3	21.1	54 E	11*	48*
11 2	17 54.34	−28 9.0	2.260	1.782	25.0	21.1	49 E	11*	43*
11 12	18 21.07	−27 51.1	2.302	1.754	23.7	21.0	45 E	11*	39*
11 22	18 48.61	−27 15.2	2.340	1.727	22.2	21.0	41 E	12*	34*
12 2	19 16.72	−26 20.1	2.373	1.702	20.7	21.0	38 E	12*	30*
12 12	19 45.17	−25 5.0	2.403	1.680	19.1	20.9	34 E	12*	26*
12 22	20 13.72	−23 30.0	2.429	1.659	17.5	20.8	31 E	12*	22*
1 1	20 42.19	−21 35.7	2.453	1.642	15.9	20.8	27 E	12*	18*
1 11	21 10.42	−19 23.3	2.475	1.626	14.2	20.7	24 E	11*	14*
1 21	21 38.30	−16 54.8	2.495	1.614	12.5	20.7	21 E	10*	11*
173309 1999 VK_{22}									
3 17	16 16.47	−23 41.8	2.508	2.997	18.2	21.4	110 W	21	88
3 27	16 18.28	−23 38.1	2.357	2.977	17.0	21.2	119 W	21	88
4 6	16 17.59	−23 26.5	2.217	2.956	15.2	21.0	129 W	22	87
4 16	16 14.25	−23 5.9	2.092	2.934	12.7	20.8	140 W	22	87
4 26	16 8.35	−22 35.8	1.988	2.911	9.6	20.5	151 W	22	87
5 6	16 0.25	−21 55.8	1.907	2.887	5.9	20.3	163 W	23	86
5 11	15 55.56	−21 32.4	1.877	2.875	3.9	20.1	169 W	23	86
5 16	15 50.60	−21 6.9	1.854	2.862	1.8	19.9	175 W	24	85
5 21	15 45.49	−20 40.0	1.838	2.850	0.5	19.8	179 E	24	85
5 26	15 40.36	−20 12.0	1.829	2.837	2.6	20.0	173 E	25	84
5 31	15 35.35	−19 43.5	1.828	2.824	4.7	20.1	167 E	25	84
6 5	15 30.58	−19 15.2	1.833	2.811	6.8	20.2	161 E	26	83
6 10	15 26.16	−18 47.6	1.845	2.797	8.9	20.3	155 E	26	83
6 15	15 22.21	−18 21.5	1.863	2.784	10.8	20.4	149 E	27	82
6 25	15 15.99	−17 35.6	1.916	2.756	14.3	20.5	138 E	27	82
7 5	15 12.30	−17 0.6	1.987	2.727	17.2	20.7	127 E	28*	81
7 15	15 11.30	−16 38.0	2.073	2.697	19.5	20.8	117 E	28*	81
7 25	15 12.94	−16 27.8	2.168	2.667	21.2	20.9	108 E	27*	80
8 4	15 17.02	−16 28.9	2.268	2.636	22.3	21.1	100 E	25*	80
8 14	15 23.36	−16 39.7	2.371	2.604	22.9	21.1	92 E	24*	80*
8 24	15 31.73	−16 58.1	2.472	2.572	23.0	21.2	84 E	22*	76*
9 3	15 41.92	−17 22.0	2.571	2.538	22.8	21.3	77 E	21*	70*
9 13	15 53.77	−17 49.4	2.664	2.504	22.2	21.3	70 E	20*	63*
9 23	16 7.11	−18 18.3	2.750	2.470	21.3	21.3	63 E	18*	57*
10 3	16 21.81	−18 46.7	2.828	2.435	20.2	21.3	57 E	17*	51*
10 13	16 37.75	−19 12.8	2.897	2.399	18.9	21.3	51 E	16*	44*
10 23	16 54.84	−19 34.7	2.956	2.363	17.4	21.2	45 E	15*	38*
11 2	17 12.96	−19 51.0	3.005	2.327	15.8	21.2	40 E	14*	32*
11 12	17 32.04	−19 59.9	3.042	2.290	14.0	21.1	34 E	13*	26*
11 22	17 51.96	−20 0.1	3.069	2.253	12.2	21.0	29 E	12*	20*
12 2	18 12.64	−19 50.3	3.085	2.216	10.2	20.9	24 E	10*	14*
12 12	18 33.98	−19 29.3	3.090	2.178	8.3	20.8	19 E	8*	8*
12 22	18 55.87	−18 56.3	3.084	2.141	6.3	20.7	14 E	6*	3*
1 1	19 18.22	−18 10.5	3.068	2.104	4.3	20.5	9 E	3*	—
1 11	19 40.94	−17 11.4	3.044	2.067	2.6	20.4	6 E	—	—
1 21	20 3.93	−15 58.9	3.010	2.030	2.1	20.3	4 W	—	—

488510 2000 UE_{16}

21/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
	h m	° ′			°	m	°	°	°
3 17	16 20.69	−25 3.5	1.729	2.254	24.7	21.5	109 W	20	89
3 27	16 28.71	−25 1.2	1.577	2.214	23.7	21.2	117 W	20	89
4 6	16 34.20	−24 46.6	1.434	2.174	22.0	20.9	125 W	20	89
4 16	16 36.68	−24 18.2	1.303	2.133	19.5	20.6	135 W	21	88
4 26	16 35.78	−23 34.0	1.187	2.092	16.1	20.2	145 W	21	88
5 6	16 31.40	−22 32.5	1.088	2.051	11.6	19.9	156 W	22	87
5 16	16 23.81	−21 12.9	1.011	2.009	6.3	19.4	167 W	24	85
5 21	16 19.07	−20 27.1	0.980	1.989	3.4	19.2	173 W	25	84
5 26	16 13.95	−19 38.0	0.956	1.969	0.8	18.9	178 W	25	84
5 31	16 8.62	−18 46.6	0.937	1.948	3.2	19.0	174 E	26	83
6 5	16 3.31	−17 54.2	0.924	1.928	6.4	19.1	168 E	27	82
6 10	15 58.24	−17 2.1	0.917	1.908	9.7	19.2	162 E	28	81
6 15	15 53.63	−16 11.8	0.916	1.888	12.9	19.3	156 E	29	80
6 20	15 49.69	−15 24.6	0.919	1.868	15.9	19.4	150 E	30	79
6 25	15 46.55	−14 41.7	0.927	1.849	18.8	19.5	144 E	30	79
6 30	15 44.32	−14 3.8	0.939	1.829	21.6	19.6	139 E	31	78
7 5	15 43.08	−13 31.6	0.954	1.810	24.1	19.7	133 E	31	78
7 15	15 43.68	−12 45.2	0.993	1.773	28.4	19.9	124 E	32*	77
7 25	15 48.39	−12 21.7	1.040	1.738	31.9	20.0	115 E	32*	76
8 4	15 56.91	−12 17.7	1.092	1.704	34.5	20.2	108 E	32*	76
8 14	16 8.91	−12 28.8	1.146	1.673	36.4	20.3	101 E	31*	76
8 24	16 24.05	−12 50.0	1.202	1.644	37.8	20.4	96 E	30*	77
9 3	16 41.94	−13 16.2	1.258	1.617	38.6	20.5	90 E	30*	77*
9 13	17 2.30	−13 42.9	1.313	1.594	39.0	20.6	86 E	29*	74*
9 23	17 24.82	−14 5.6	1.369	1.574	39.1	20.6	82 E	29*	71*
10 3	17 49.22	−14 20.2	1.424	1.558	38.9	20.7	78 E	29*	68*
10 13	18 15.22	−14 23.4	1.480	1.546	38.4	20.7	74 E	29*	64*
10 23	18 42.50	−14 12.2	1.537	1.538	37.8	20.8	71 E	29*	60*
11 2	19 10.75	−13 44.6	1.596	1.534	36.9	20.8	68 E	30*	56*
11 12	19 39.67	−12 59.5	1.657	1.534	35.9	20.9	65 E	31*	52*
11 22	20 8.94	−11 56.5	1.721	1.539	34.7	20.9	63 E	32*	47*
12 2	20 38.28	−10 36.4	1.789	1.548	33.4	21.0	60 E	33*	43*
12 12	21 7.47	− 9 0.7	1.861	1.561	31.9	21.1	57 E	34*	38*
12 22	21 36.31	− 7 11.5	1.936	1.578	30.4	21.1	54 E	35*	34*
1 1	22 4.68	− 5 11.4	2.015	1.599	28.7	21.2	51 E	35*	30*
1 11	22 32.51	− 3 3.2	2.098	1.623	27.0	21.3	48 E	35*	26*
1 21	22 59.75	− 0 49.7	2.184	1.650	25.2	21.3	45 E	34*	22*

511548 2014 UO_{117}

21/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
3 17	16 27.65	−28 7.3	1.090	1.672	34.8	21.4	107 W	17	88
3 22	16 35.30	−29 10.7	1.044	1.668	34.2	21.3	110 W	16	87
3 27	16 42.38	−30 14.6	0.999	1.664	33.5	21.2	113 W	15	86
4 1	16 48.81	−31 19.3	0.957	1.660	32.7	21.1	116 W	14	85
4 6	16 54.48	−32 25.0	0.916	1.657	31.7	21.0	120 W	13	84
4 11	16 59.29	−33 31.6	0.877	1.654	30.5	20.8	123 W	11	82
4 16	17 3.11	−34 39.2	0.840	1.651	29.1	20.7	127 W	10	81
4 21	17 5.83	−35 47.4	0.806	1.648	27.5	20.5	131 W	9	80
4 26	17 7.36	−36 55.7	0.774	1.646	25.7	20.4	135 W	8	79
5 1	17 7.61	−38 3.2	0.746	1.644	23.8	20.3	139 W	7	78
5 6	17 6.49	−39 8.9	0.720	1.642	21.7	20.1	143 W	6	77
5 11	17 3.97	−40 11.0	0.699	1.641	19.6	20.0	147 W	5	76
5 16	17 0.09	−41 7.7	0.681	1.639	17.5	19.9	151 W	4	75
5 21	16 55.01	−41 57.0	0.667	1.639	15.5	19.7	154 W	3	74
5 26	16 48.96	−42 37.0	0.657	1.638	14.0	19.7	157 W	2	73
5 31	16 42.26	−43 6.4	0.652	1.638	13.0	19.6	159 W	2	73
6 5	16 35.26	−43 23.9	0.651	1.638	12.9	19.6	159 E	2	73
6 10	16 28.40	−43 29.6	0.654	1.639	13.7	19.6	158 E	2	73
6 15	16 22.12	−43 24.1	0.661	1.640	15.1	19.7	155 E	2	73
6 20	16 16.77	−43 8.9	0.673	1.641	17.0	19.8	152 E	2	73
6 25	16 12.64	−42 46.0	0.688	1.642	19.0	19.9	148 E	2	73
6 30	16 9.87	−42 17.3	0.707	1.644	21.1	20.1	144 E	3	74
7 5	16 8.53	−41 44.8	0.730	1.646	23.2	20.2	140 E	3	74
7 10	16 8.66	−41 10.1	0.755	1.648	25.2	20.3	136 E	4	75
7 15	16 10.21	−40 34.5	0.784	1.651	26.9	20.5	133 E	4	75
7 20	16 13.10	−39 59.2	0.814	1.654	28.6	20.6	129 E	5	76
7 25	16 17.22	−39 24.8	0.848	1.657	30.0	20.7	125 E	6*	77
7 30	16 22.46	−38 51.5	0.883	1.661	31.3	20.9	122 E	6*	77
8 4	16 28.68	−38 19.4	0.920	1.664	32.3	21.0	119 E	7*	78
8 9	16 35.81	−37 48.5	0.959	1.669	33.3	21.1	115 E	7*	78
8 14	16 43.75	−37 18.6	1.000	1.673	34.0	21.2	112 E	7*	79
8 19	16 52.39	−36 49.4	1.042	1.677	34.7	21.3	110 E	8*	79
8 24	17 1.64	−36 20.6	1.085	1.682	35.1	21.5	107 E	8*	80

307536 2003 CV_3

21/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
3 17	16 30.77	+ 8 20.9	3.194	3.641	15.0	21.5	109 W	53	56
3 27	16 31.02	+ 9 39.5	3.080	3.644	14.1	21.4	117 W	55	54
4 6	16 29.29	+10 59.8	2.979	3.646	13.0	21.2	125 W	56	53
4 16	16 25.58	+12 17.4	2.895	3.647	11.7	21.1	132 W	57	52
4 26	16 20.05	+13 27.5	2.830	3.647	10.5	21.0	139 W	58	51
5 6	16 13.04	+14 24.9	2.789	3.647	9.5	21.0	143 W	59	50
5 16	16 5.00	+15 5.1	2.771	3.645	9.2	20.9	145 W	60	49

307536 2003 CV_3 *(continuation)*

21/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
5 26	15 56.57	+15 24.8	2.779	3.643	9.6	21.0	143 E	60	49
6 5	15 48.38	+15 22.6	2.812	3.639	10.5	21.0	139 E	60	49
6 15	15 41.04	+14 59.1	2.866	3.635	11.8	21.1	133 E	60	49
6 25	15 35.04	+14 16.6	2.941	3.630	13.1	21.2	126 E	59	50
7 5	15 30.68	+13 18.3	3.032	3.624	14.3	21.3	118 E	58	51
7 15	15 28.13	+12 7.9	3.137	3.617	15.3	21.4	110 E	57*	52

396815 2004 QG_{24}

21/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
3 17	16 33.19	−29 31.4	2.467	2.891	19.4	21.3	105 W	15	86
3 27	16 36.09	−29 16.1	2.314	2.874	18.4	21.2	114 W	16	87
4 6	16 36.31	−28 50.4	2.170	2.855	16.8	21.0	124 W	16	87
4 16	16 33.65	−28 12.4	2.039	2.836	14.6	20.7	135 W	17	88
4 26	16 28.12	−27 20.1	1.927	2.815	11.6	20.5	146 W	18	89
5 6	16 20.00	−26 12.1	1.836	2.794	8.0	20.2	157 W	19	90
5 11	16 15.15	−25 32.2	1.801	2.783	6.0	20.1	163 W	19	90
5 16	16 9.93	−24 48.5	1.772	2.772	3.9	19.9	169 W	20	89
5 21	16 4.47	−24 1.6	1.751	2.761	1.8	19.7	175 W	21	88
5 26	15 58.92	−23 12.1	1.737	2.749	1.3	19.7	176 E	22	87
5 31	15 53.41	−22 20.8	1.731	2.737	3.2	19.8	171 E	23	86
6 5	15 48.11	−21 28.6	1.731	2.725	5.5	19.9	165 E	24	85
6 10	15 43.13	−20 36.4	1.740	2.712	7.7	20.0	159 E	24	85
6 15	15 38.60	−19 45.4	1.754	2.700	9.8	20.1	153 E	25	84
6 20	15 34.63	−18 56.3	1.775	2.687	11.8	20.2	147 E	26	83
6 25	15 31.27	−18 10.0	1.802	2.674	13.7	20.3	142 E	27	82
7 5	15 26.58	−16 47.8	1.871	2.647	17.0	20.5	131 E	28	81
7 15	15 24.70	−15 41.7	1.955	2.620	19.6	20.6	120 E	29*	80
7 25	15 25.60	−14 52.3	2.051	2.591	21.5	20.8	111 E	29*	79
8 4	15 29.05	−14 18.1	2.153	2.562	22.8	20.9	102 E	28*	78
8 14	15 34.84	−13 57.2	2.258	2.532	23.5	21.0	94 E	27*	78
8 24	15 42.71	−13 47.0	2.362	2.501	23.8	21.1	86 E	26*	75*
9 3	15 52.42	−13 44.5	2.464	2.470	23.6	21.1	79 E	25*	70*
9 13	16 3.79	−13 47.5	2.560	2.438	23.1	21.2	72 E	24*	64*
9 23	16 16.64	−13 53.2	2.649	2.405	22.2	21.2	65 E	23*	57*
10 3	16 30.82	−13 59.4	2.730	2.371	21.2	21.2	59 E	23*	51*
10 13	16 46.20	−14 4.1	2.801	2.337	19.9	21.2	53 E	22*	44*
10 23	17 2.68	−14 5.1	2.862	2.302	18.4	21.1	47 E	21*	38*
11 2	17 20.15	−14 0.7	2.912	2.267	16.9	21.1	42 E	20*	32*
11 12	17 38.53	−13 49.3	2.951	2.232	15.2	21.0	36 E	19*	25*
11 22	17 57.71	−13 29.1	2.979	2.196	13.5	21.0	31 E	18*	19*
12 2	18 17.63	−12 59.0	2.996	2.160	11.8	20.9	27 E	17*	12*
12 12	18 38.19	−12 17.7	3.001	2.124	10.1	20.8	22 E	15*	6*
12 22	18 59.32	−11 24.3	2.997	2.087	8.6	20.7	19 E	12*	1*
1 1	19 20.93	−10 17.9	2.982	2.051	7.3	20.6	15 E	9*	—
1 11	19 42.97	− 8 58.2	2.959	2.015	6.5	20.5	13 E	6*	—
1 21	20 5.36	− 7 24.9	2.928	1.980	6.3	20.4	13 W	4*	—

276295 2002 TV_{95}

21/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
3 17	16 34.55	−23 0.9	1.685	2.179	26.0	21.3	106 W	22	87
3 27	16 43.75	−22 53.3	1.544	2.149	25.1	21.1	114 W	22	87
4 6	16 50.47	−22 34.7	1.410	2.119	23.6	20.8	122 W	22	87
4 16	16 54.20	−22 4.3	1.287	2.089	21.2	20.5	131 W	23	86
4 26	16 54.56	−21 21.7	1.177	2.058	18.0	20.2	141 W	24	85
5 6	16 51.33	−20 26.7	1.083	2.027	13.8	19.8	151 W	25	84
5 16	16 44.67	−19 19.5	1.009	1.997	8.7	19.4	163 W	26	83
5 21	16 40.27	−18 42.2	0.980	1.981	6.0	19.2	168 W	26	83
5 26	16 35.35	−18 3.1	0.956	1.966	3.3	19.0	174 W	27	82
5 31	16 30.10	−17 23.1	0.939	1.951	2.3	18.9	176 E	28	81
6 5	16 24.72	−16 43.0	0.927	1.936	4.5	19.0	171 E	28	81
6 10	16 19.44	−16 3.9	0.921	1.921	7.5	19.1	166 E	29	80
6 15	16 14.48	−15 27.0	0.920	1.906	10.6	19.2	160 E	30	79
6 20	16 10.07	−14 53.4	0.925	1.892	13.6	19.3	154 E	30	79
6 25	16 6.37	−14 23.8	0.934	1.877	16.5	19.4	148 E	31	78
7 5	16 1.55	−13 39.2	0.965	1.849	21.7	19.6	138 E	31	78
7 15	16 0.64	−13 15.5	1.010	1.821	26.1	19.8	128 E	32	77
7 25	16 3.76	−13 11.8	1.064	1.795	29.6	20.0	119 E	32*	77
8 4	16 10.67	−13 24.5	1.125	1.769	32.2	20.2	111 E	31*	77
8 14	16 21.05	−13 49.5	1.190	1.746	34.2	20.3	105 E	30*	78
8 24	16 34.51	−14 22.1	1.258	1.724	35.5	20.4	98 E	29*	78
9 3	16 50.66	−14 57.8	1.326	1.703	36.3	20.5	93 E	28*	79*
9 13	17 9.20	−15 32.4	1.396	1.685	36.6	20.6	88 E	28*	77*
9 23	17 29.81	−16 1.9	1.465	1.669	36.6	20.7	83 E	27*	74*
10 3	17 52.17	−16 22.9	1.534	1.656	36.3	20.8	78 E	27*	70*
10 13	18 16.05	−16 32.6	1.603	1.644	35.8	20.9	74 E	27*	65*
10 23	18 41.14	−16 28.3	1.671	1.636	35.0	20.9	71 E	27*	61*
11 2	19 7.16	−16 8.3	1.740	1.630	34.0	21.0	67 E	28*	56*
11 12	19 33.86	−15 31.6	1.810	1.627	32.9	21.0	63 E	28*	52*
11 22	20 0.97	−14 37.7	1.880	1.627	31.7	21.1	60 E	29*	47*
12 2	20 28.26	−13 27.2	1.951	1.630	30.3	21.1	57 E	30*	42*
12 12	20 55.55	−12 0.8	2.022	1.635	28.8	21.2	53 E	30*	37*

21/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
276295 2002 TV_{95} *(continuation)*									
	h m	° ′			°	m	°	°	°
12 22	21 22.66	−10 20.2	2.095	1.644	27.2	21.2	50 E	31*	32*
1 1	21 49.48	− 8 27.4	2.168	1.655	25.6	21.2	47 E	31*	28*
1 11	22 15.95	− 6 24.5	2.242	1.668	23.8	21.3	43 E	30*	24*
1 21	22 42.02	− 4 14.1	2.316	1.684	22.0	21.3	40 E	29*	20*
477912 2011 LO_{17}									
3 17	16 37.16	−33 4.2	1.629	2.100	27.4	21.5	104 W	12	83
3 22	16 44.57	−33 10.1	1.550	2.073	27.4	21.4	107 W	12	83
3 27	16 51.61	−33 12.2	1.473	2.047	27.2	21.2	110 W	12	83
4 1	16 58.24	−33 10.2	1.398	2.021	26.9	21.1	114 W	12	83
4 6	17 4.40	−33 3.8	1.325	1.995	26.4	20.9	117 W	12	83
4 11	17 10.02	−32 52.6	1.254	1.969	25.8	20.7	121 W	12	83
4 16	17 15.02	−32 36.1	1.186	1.944	25.0	20.6	125 W	12	83
4 21	17 19.34	−32 13.8	1.121	1.919	24.0	20.4	129 W	13	84
4 26	17 22.93	−31 45.2	1.059	1.894	22.8	20.2	133 W	13	84
5 1	17 25.73	−31 9.7	1.000	1.870	21.4	20.0	137 W	14	85
5 6	17 27.68	−30 26.5	0.944	1.846	19.7	19.8	142 W	15	86
5 11	17 28.73	−29 34.9	0.893	1.823	17.8	19.6	147 W	15	86
5 16	17 28.87	−28 34.3	0.846	1.800	15.6	19.4	151 W	16	87
5 26	17 26.61	−26 4.2	0.765	1.756	10.3	18.9	162 W	19	90
6 5	17 21.54	−22 56.2	0.704	1.716	4.1	18.4	173 W	22	87
6 15	17 14.96	−19 18.3	0.665	1.678	3.5	18.2	174 E	26	83
6 20	17 11.68	−17 23.5	0.653	1.661	7.1	18.3	168 E	28	81
6 25	17 8.73	−15 28.5	0.646	1.645	10.7	18.4	163 E	30	79
6 30	17 6.31	−13 36.3	0.645	1.629	14.2	18.5	157 E	31	78
7 5	17 4.61	−11 49.4	0.648	1.615	17.6	18.6	151 E	33	76
7 10	17 3.77	−10 10.2	0.655	1.602	20.8	18.7	146 E	35	74
7 15	17 3.90	− 8 40.3	0.666	1.590	23.7	18.8	141 E	36	73
7 25	17 7.31	− 6 11.0	0.697	1.571	28.7	19.1	132 E	39	70
8 4	17 14.83	− 4 21.9	0.739	1.556	32.6	19.3	124 E	41	68
8 14	17 26.19	− 3 8.2	0.788	1.547	35.4	19.5	118 E	42	67
8 19	17 33.19	− 2 42.2	0.815	1.545	36.4	19.6	115 E	42	67
8 24	17 40.96	− 2 22.0	0.844	1.545	37.2	19.7	112 E	43	66
8 29	17 49.45	− 2 6.5	0.874	1.545	37.9	19.8	110 E	43	66
9 3	17 58.58	− 1 55.0	0.905	1.547	38.4	19.9	108 E	43	66
9 8	18 8.30	− 1 46.5	0.937	1.551	38.7	20.0	106 E	43	66
9 13	18 18.56	− 1 40.2	0.971	1.556	38.9	20.0	104 E	43	66
9 18	18 29.30	− 1 35.1	1.007	1.563	39.0	20.1	102 E	43	66
9 23	18 40.44	− 1 30.6	1.044	1.571	39.0	20.2	100 E	43	66
10 3	19 3.73	− 1 21.3	1.122	1.590	38.7	20.4	97 E	44	65*
10 13	19 28.06	− 1 8.1	1.207	1.615	38.1	20.6	94 E	44	64*
10 23	19 53.04	− 0 47.7	1.298	1.645	37.2	20.8	91 E	44	62*
11 2	20 18.32	− 0 18.5	1.398	1.678	36.2	20.9	88 E	45	60*
11 12	20 43.67	+ 0 20.7	1.504	1.716	35.0	21.1	84 E	45	56*
11 22	21 8.83	+ 1 10.1	1.618	1.757	33.7	21.3	81 E	46	52*
12 2	21 33.64	+ 2 8.9	1.739	1.800	32.3	21.4	77 E	47*	47*
395365 2011 RN_{11}									
3 17	16 38.68	−16 29.1	1.470	1.987	28.8	21.4	106 W	29	80
3 27	16 51.27	−16 8.7	1.337	1.953	28.1	21.1	113 W	29	80
4 6	17 1.83	−15 36.5	1.213	1.920	26.8	20.8	120 W	29	80
4 16	17 9.87	−14 53.6	1.098	1.887	24.9	20.5	128 W	30	79
4 26	17 14.92	−14 1.8	0.994	1.855	22.1	20.2	136 W	31	78
5 6	17 16.62	−13 4.3	0.904	1.824	18.6	19.8	145 W	32	77
5 16	17 14.75	−12 5.4	0.830	1.795	14.3	19.5	154 W	33	76
5 21	17 12.55	−11 37.2	0.799	1.780	12.0	19.3	159 W	33	76
5 26	17 9.62	−11 11.2	0.773	1.767	9.8	19.1	163 W	34	75
5 31	17 6.09	−10 48.0	0.752	1.753	8.0	19.0	166 W	34	75
6 5	17 2.13	−10 28.7	0.735	1.740	7.1	18.9	168 W	35	74
6 10	16 57.92	−10 14.2	0.724	1.728	7.7	18.8	167 E	35	74
6 15	16 53.72	−10 5.1	0.717	1.716	9.5	18.9	164 E	35	74
6 20	16 49.77	−10 2.1	0.714	1.704	12.0	19.0	160 E	35	74
6 25	16 46.29	−10 5.4	0.717	1.693	14.7	19.0	155 E	35	74
7 5	16 41.46	−10 30.6	0.733	1.673	20.1	19.2	146 E	34	75
7 15	16 40.36	−11 18.2	0.763	1.656	25.0	19.5	137 E	34	75
7 25	16 43.53	−12 23.1	0.804	1.641	29.0	19.7	128 E	33	76
7 30	16 46.71	−13 0.0	0.829	1.635	30.7	19.8	125 E	32	77
8 4	16 50.91	−13 38.8	0.855	1.629	32.2	19.9	121 E	31	78
8 9	16 56.10	−14 18.8	0.883	1.625	33.5	20.0	118 E	31*	78
8 14	17 2.23	−14 59.1	0.913	1.621	34.7	20.1	115 E	30*	79
8 24	17 17.05	−16 18.0	0.976	1.615	36.4	20.3	109 E	29*	80
9 3	17 34.86	−17 30.1	1.045	1.613	37.5	20.4	103 E	27*	82
9 13	17 55.20	−18 31.1	1.119	1.614	38.0	20.6	99 E	26*	83
9 23	18 17.58	−19 17.1	1.198	1.618	38.2	20.8	94 E	26*	83*
10 3	18 41.52	−19 45.5	1.280	1.626	38.0	20.9	90 E	25*	81*

21/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
395365 2011 RN_{11} *(continuation)*									
	h m	° ′			°	m	°	°	°
10 13	19 6.61	−19 54.6	1.368	1.637	37.5	21.1	86 E	25*	77*
10 23	19 32.43	−19 43.4	1.459	1.650	36.7	21.2	82 E	25*	73*
11 2	19 58.60	−19 12.2	1.554	1.667	35.7	21.3	78 E	26*	69*
11 12	20 24.84	−18 21.7	1.653	1.686	34.5	21.5	75 E	27*	64*
306805 2001 QO_{65}									
3 17	16 55.89	+ 6 58.3	3.369	3.717	15.1	21.4	103 W	52	57
3 27	16 57.41	+ 8 23.5	3.243	3.715	14.5	21.3	111 W	53	56
4 6	16 57.06	+ 9 52.3	3.128	3.713	13.7	21.2	119 W	55	54
4 16	16 54.77	+11 21.1	3.026	3.709	12.6	21.1	126 W	56	53
4 26	16 50.58	+12 45.2	2.943	3.704	11.4	21.0	133 W	58	51
5 6	16 44.70	+13 59.9	2.880	3.699	10.4	20.9	139 W	59	50
5 16	16 37.46	+15 0.2	2.841	3.692	9.7	20.8	142 W	60	49
5 26	16 29.38	+15 41.7	2.825	3.685	9.5	20.8	143 W	61	48
6 5	16 21.07	+16 1.7	2.834	3.676	10.1	20.8	141 E	61	48
6 15	16 13.15	+15 59.5	2.867	3.667	11.1	20.9	136 E	61	48
6 25	16 6.20	+15 35.9	2.921	3.657	12.3	21.0	130 E	61	48
7 5	16 0.66	+14 53.7	2.993	3.646	13.5	21.1	123 E	60	49
7 15	15 56.81	+13 56.4	3.081	3.634	14.6	21.2	115 E	59	50
7 25	15 54.80	+12 47.6	3.180	3.621	15.5	21.3	108 E	57*	51
8 4	15 54.64	+11 30.9	3.287	3.608	16.1	21.3	100 E	55*	52
8 14	15 56.26	+10 9.6	3.399	3.593	16.4	21.4	93 E	52*	54
8 24	15 59.56	+ 8 46.1	3.513	3.578	16.4	21.5	85 E	49*	55*
364067 2005 XK_{66}									
3 17	16 59.35	− 6 30.9	2.498	2.868	19.9	21.4	102 W	38	71
3 27	17 4.35	− 5 53.3	2.333	2.831	19.4	21.2	110 W	39	70
4 6	17 7.26	− 5 10.4	2.175	2.793	18.4	21.0	118 W	40	69
4 16	17 7.81	− 4 24.2	2.029	2.755	16.9	20.7	127 W	41	68
4 26	17 5.77	− 3 37.8	1.897	2.715	14.8	20.5	136 W	41	68
5 6	17 1.10	− 2 54.8	1.783	2.675	12.3	20.2	145 W	42	67
5 16	16 53.94	− 2 19.8	1.690	2.635	9.8	20.0	154 W	43	66
5 26	16 44.79	− 1 58.0	1.621	2.593	8.0	19.8	159 W	43	66
6 5	16 34.45	− 1 53.7	1.578	2.551	8.2	19.7	159 E	43	66
6 15	16 23.96	− 2 9.9	1.560	2.508	10.6	19.7	153 E	43	66
6 25	16 14.47	− 2 47.2	1.566	2.464	13.9	19.8	144 E	42	67
7 5	16 6.93	− 3 43.9	1.593	2.420	17.3	19.9	135 E	41	68
7 15	16 2.00	− 4 57.0	1.638	2.376	20.4	20.1	125 E	40	69
7 25	16 0.04	− 6 22.7	1.695	2.331	23.0	20.2	116 E	38*	70
8 4	16 1.12	− 7 57.2	1.761	2.286	25.0	20.3	108 E	36*	72
8 14	16 5.17	− 9 37.2	1.833	2.241	26.5	20.4	100 E	33*	74
8 24	16 12.03	−11 19.7	1.907	2.195	27.4	20.4	92 E	31*	75*
9 3	16 21.48	−13 2.3	1.981	2.149	27.9	20.5	85 E	28*	74*
9 13	16 33.34	−14 42.9	2.052	2.104	28.0	20.5	79 E	26*	70*
9 23	16 47.45	−16 19.2	2.120	2.059	27.7	20.5	73 E	24*	65*
10 3	17 3.62	−17 49.4	2.184	2.014	27.2	20.5	67 E	22*	60*
10 13	17 21.76	−19 11.4	2.241	1.970	26.4	20.5	61 E	21*	54*
10 23	17 41.72	−20 23.3	2.293	1.927	25.4	20.5	56 E	19*	49*
11 2	18 3.38	−21 23.0	2.338	1.885	24.3	20.5	51 E	18*	44*
11 12	18 26.61	−22 8.5	2.378	1.844	23.0	20.4	47 E	17*	39*
11 22	18 51.25	−22 38.1	2.410	1.805	21.6	20.3	42 E	16*	34*
12 2	19 17.13	−22 50.0	2.438	1.768	20.1	20.3	38 E	15*	29*
12 12	19 44.08	−22 42.9	2.460	1.733	18.5	20.2	34 E	14*	25*
12 22	20 11.87	−22 16.0	2.477	1.701	17.0	20.1	30 E	13*	21*
1 1	20 40.30	−21 28.7	2.490	1.672	15.4	20.0	27 E	12*	17*
1 11	21 9.16	−20 21.4	2.500	1.646	13.8	20.0	24 E	10*	14*
1 21	21 38.26	−18 54.8	2.508	1.624	12.3	19.9	21 E	8*	12*
397471 2007 LV									
3 17	17 16.12	−13 21.8	1.363	1.784	33.6	21.4	97 W	32	77
3 27	17 32.12	−14 19.1	1.230	1.748	33.8	21.2	103 W	31	78
4 6	17 47.05	−15 25.0	1.101	1.713	33.5	20.9	109 W	30	79
4 16	18 0.57	−16 46.0	0.978	1.677	32.7	20.5	116 W	28	81
4 26	18 12.31	−18 30.8	0.862	1.640	31.1	20.2	123 W	26	83
5 1	18 17.37	−19 35.5	0.807	1.622	30.0	20.0	126 W	25	84
5 6	18 21.79	−20 50.4	0.755	1.604	28.7	19.8	130 W	24	85
5 11	18 25.47	−22 17.3	0.706	1.586	27.1	19.6	134 W	23	86
5 16	18 28.31	−23 57.7	0.659	1.568	25.3	19.3	139 W	21	88
5 21	18 30.21	−25 53.1	0.617	1.550	23.1	19.1	143 W	19	90
5 26	18 31.06	−28 4.6	0.578	1.532	20.8	18.9	147 W	17	88
5 31	18 30.73	−30 32.8	0.543	1.514	18.4	18.6	152 W	14	85
6 5	18 29.09	−33 16.9	0.512	1.497	16.0	18.4	156 W	12	83
6 10	18 26.00	−36 15.0	0.486	1.480	14.0	18.2	159 W	9	80
6 15	18 21.43	−39 23.2	0.465	1.463	13.1	18.0	161 W	6	77
6 20	18 15.38	−42 36.3	0.449	1.447	13.7	18.0	160 W	2	73
6 25	18 7.99	−45 47.9	0.438	1.431	15.7	17.9	158 E	—	70
6 30	17 59.49	−48 51.2	0.432	1.416	18.8	18.0	153 E	—	67
7 5	17 50.27	−51 40.2	0.430	1.401	22.3	18.1	148 E	—	64
7 7	17 46.50	−52 42.7	0.430	1.395	23.8	18.1	146 E	—	63
7 9	17 42.77	−53 42.0	0.431	1.390	25.2	18.1	144 E	—	62

397471 2007 *LV* (*continuation*)

21/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
	h m	° ′			°	m	°	°	°
7 11	17 39.10	−54 38.0	0.432	1.384	26.7	18.2	142 E	—	61
7 13	17 35.56	−55 30.6	0.434	1.379	28.1	18.2	140 E	—	60
7 15	17 32.18	−56 19.9	0.437	1.374	29.5	18.3	138 E	—	60
7 17	17 29.03	−57 5.7	0.439	1.368	30.8	18.3	136 E	—	59
7 19	17 26.15	−57 48.4	0.443	1.363	32.1	18.4	134 E	—	58
7 21	17 23.57	−58 27.9	0.446	1.358	33.4	18.4	133 E	—	58
7 23	17 21.33	−59 4.4	0.450	1.354	34.6	18.5	131 E	—	57
7 25	17 19.46	−59 38.1	0.454	1.349	35.7	18.5	129 E	—	56
7 27	17 18.00	−60 9.0	0.458	1.345	36.8	18.5	127 E	—	56
7 29	17 16.98	−60 37.4	0.463	1.340	37.9	18.6	126 E	—	55
7 31	17 16.40	−61 3.4	0.468	1.336	38.9	18.6	124 E	—	55
8 2	17 16.30	−61 27.1	0.473	1.332	39.8	18.7	123 E	—	55
8 4	17 16.70	−61 48.6	0.478	1.328	40.7	18.7	121 E	—	54
8 9	17 19.91	−62 33.6	0.491	1.319	42.6	18.8	118 E	—	53
8 14	17 26.37	−63 7.1	0.504	1.311	44.3	18.9	115 E	—	53
8 19	17 36.02	−63 29.7	0.517	1.304	45.7	19.0	113 E	—	53
8 24	17 48.62	−63 41.0	0.531	1.298	46.8	19.1	111 E	—	52
8 26	17 54.43	−63 42.2	0.536	1.295	47.2	19.1	110 E	—	52
8 28	18 0.63	−63 41.4	0.542	1.294	47.5	19.1	109 E	—	52
8 30	18 7.22	−63 38.4	0.547	1.292	47.9	19.1	108 E	—	52
9 1	18 14.15	−63 33.3	0.553	1.290	48.1	19.2	108 E	—	52
9 3	18 21.41	−63 25.8	0.558	1.289	48.4	19.2	107 E	—	53
9 5	18 28.95	−63 16.0	0.563	1.288	48.6	19.2	107 E	—	53
9 7	18 36.75	−63 3.6	0.569	1.287	48.8	19.2	106 E	—	53
9 9	18 44.78	−62 48.8	0.574	1.286	49.0	19.3	106 E	—	53
9 11	18 53.00	−62 31.4	0.579	1.286	49.1	19.3	105 E	—	53
9 13	19 1.36	−62 11.3	0.585	1.285	49.2	19.3	105 E	—	54
9 15	19 9.84	−61 48.5	0.590	1.285	49.3	19.3	104 E	—	54
9 17	19 18.39	−61 23.0	0.596	1.285	49.4	19.4	104 E	—	55
9 19	19 26.99	−60 54.7	0.601	1.285	49.5	19.4	103 E	—	55
9 21	19 35.59	−60 23.7	0.607	1.286	49.5	19.4	103 E	—	56
9 23	19 44.16	−59 49.9	0.612	1.286	49.5	19.4	103 E	—	56
9 25	19 52.69	−59 13.3	0.618	1.287	49.5	19.4	103 E	—	57
9 27	20 1.15	−58 34.1	0.624	1.288	49.5	19.5	102 E	—	57
9 29	20 9.51	−57 52.1	0.629	1.289	49.5	19.5	102 E	—	58
10 1	20 17.76	−57 7.5	0.635	1.291	49.4	19.5	102 E	—	59
10 3	20 25.90	−56 20.4	0.642	1.292	49.4	19.5	102 E	—	60
10 8	20 45.62	−54 11.9	0.657	1.297	49.1	19.6	101 E	—	62
10 13	21 4.40	−51 49.5	0.675	1.303	48.8	19.6	101 E	—	64
10 18	21 22.19	−49 15.0	0.693	1.310	48.5	19.7	100 E	—	67
10 23	21 38.99	−46 30.4	0.713	1.318	48.1	19.8	100 E	—	69
10 28	21 54.86	−43 37.6	0.735	1.327	47.7	19.8	99 E	1	72
11 2	22 9.88	−40 38.5	0.759	1.337	47.2	19.9	99 E	4	75
11 7	22 24.16	−37 35.1	0.785	1.348	46.7	20.0	98 E	7	78
11 12	22 37.79	−34 29.3	0.814	1.359	46.2	20.1	97 E	11	82
11 17	22 50.85	−31 22.9	0.845	1.372	45.7	20.2	97 E	14	85
11 22	23 3.42	−28 17.2	0.878	1.385	45.2	20.3	96 E	17	88
11 27	23 15.55	−25 13.7	0.914	1.399	44.6	20.3	95 E	20	88*
12 2	23 27.34	−22 13.3	0.953	1.414	44.1	20.4	94 E	23	84*
12 7	23 38.85	−19 16.9	0.994	1.429	43.5	20.5	92 E	26	80*
12 12	23 50.12	−16 25.2	1.038	1.445	42.9	20.6	91 E	29	76*
12 17	0 1.19	−13 38.7	1.084	1.461	42.3	20.7	90 E	31	72*
12 22	0 12.11	−10 57.8	1.132	1.478	41.7	20.8	88 E	34	68*
12 27	0 22.91	− 8 22.6	1.182	1.495	41.1	20.9	87 E	37	64*
1 1	0 33.62	− 5 53.3	1.234	1.512	40.4	21.0	85 E	39	61*
1 6	0 44.27	− 3 29.9	1.288	1.530	39.7	21.1	84 E	42	57*
1 11	0 54.89	− 1 12.2	1.344	1.547	39.0	21.2	82 E	44	54*
1 16	1 5.49	+ 0 59.7	1.400	1.565	38.2	21.3	80 E	46	51*
1 21	1 16.10	+ 3 5.9	1.459	1.583	37.5	21.4	78 E	48*	48*

465307 2007 UQ_3

21/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
3 17	17 23.20	−22 0.9	1.477	1.849	32.4	21.4	95 W	23*	86*
3 22	17 29.88	−23 28.2	1.406	1.835	32.5	21.2	98 W	22*	87
3 27	17 36.26	−25 2.8	1.336	1.822	32.4	21.1	102 W	20	89
4 1	17 42.31	−26 45.9	1.268	1.807	32.3	21.0	105 W	18	89
4 6	17 47.97	−28 38.8	1.201	1.793	31.9	20.8	109 W	16	87
4 11	17 53.17	−30 42.9	1.137	1.779	31.4	20.7	112 W	14	85
4 16	17 57.81	−32 59.5	1.076	1.764	30.7	20.5	116 W	12	83
4 21	18 1.80	−35 29.9	1.018	1.750	29.9	20.4	120 W	9	80
4 26	18 5.02	−38 15.1	0.964	1.735	29.0	20.2	123 W	7	78
5 1	18 7.29	−41 15.7	0.915	1.720	27.9	20.0	127 W	4	75
5 6	18 8.39	−44 31.6	0.870	1.706	26.8	19.9	130 W	—	71
5 11	18 8.02	−48 1.6	0.831	1.691	25.8	19.7	133 W	—	68
5 16	18 5.78	−51 43.2	0.798	1.676	25.0	19.6	135 W	—	64
5 18	18 4.26	−53 14.1	0.786	1.670	24.8	19.5	136 W	—	63
5 20	18 2.32	−54 46.0	0.776	1.664	24.6	19.5	137 W	—	61
5 22	17 59.93	−56 18.3	0.766	1.658	24.5	19.5	137 W	—	60
5 24	17 57.02	−57 50.6	0.758	1.652	24.5	19.4	137 W	—	58
5 26	17 53.56	−59 22.6	0.750	1.646	24.5	19.4	138 W	—	57

465307 2007 UQ_3 (*continuation*)

2021	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
	h m	° ′			°	m	°	°	°
5 28	17 49.48	−60 53.6	0.744	1.641	24.7	19.4	137 W	—	55
5 30	17 44.71	−62 23.2	0.739	1.635	24.9	19.4	137 W	—	54
6 1	17 39.18	−63 50.8	0.734	1.629	25.2	19.3	137 W	—	52
6 3	17 32.83	−65 15.9	0.731	1.623	25.6	19.3	136 W	—	51
6 5	17 25.56	−66 37.7	0.728	1.617	26.1	19.3	136 W	—	49
6 7	17 17.33	−67 55.7	0.727	1.611	26.6	19.3	135 W	—	48
6 9	17 8.07	−69 9.2	0.727	1.606	27.2	19.4	134 E	—	47
6 11	16 57.75	−70 17.8	0.727	1.600	27.8	19.4	133 E	—	46
6 13	16 46.35	−71 20.7	0.728	1.594	28.5	19.4	132 E	—	45
6 15	16 33.90	−72 17.7	0.730	1.589	29.2	19.4	130 E	—	44
6 17	16 20.49	−73 8.2	0.733	1.583	29.9	19.4	129 E	—	43
6 19	16 6.22	−73 52.1	0.736	1.577	30.7	19.4	128 E	—	42
6 21	15 51.30	−74 29.2	0.740	1.572	31.4	19.5	126 E	—	42
6 23	15 35.96	−74 59.5	0.744	1.566	32.2	19.5	125 E	—	41
6 25	15 20.46	−75 23.4	0.749	1.561	32.9	19.5	123 E	—	41
6 26	15 12.75	−75 32.9	0.752	1.558	33.3	19.5	123 E	—	40
6 27	15 5.10	−75 41.0	0.755	1.555	33.6	19.6	122 E	—	40
6 28	14 57.56	−75 47.7	0.758	1.552	34.0	19.6	121 E	—	40
6 29	14 50.15	−75 53.1	0.761	1.550	34.3	19.6	121 E	—	40
6 30	14 42.92	−75 57.1	0.764	1.547	34.7	19.6	120 E	—	40
7 1	14 35.88	−76 0.1	0.767	1.544	35.0	19.6	119 E	—	40
7 2	14 29.06	−76 1.9	0.770	1.542	35.4	19.6	119 E	—	40
7 3	14 22.49	−76 2.8	0.774	1.539	35.7	19.6	118 E	—	40
7 4	14 16.18	−76 2.8	0.777	1.536	36.0	19.7	117 E	—	40
7 5	14 10.14	−76 2.0	0.781	1.534	36.4	19.7	117 E	—	40
7 7	13 58.92	−75 58.4	0.788	1.529	37.0	19.7	115 E	—	40
7 9	13 48.89	−75 52.7	0.795	1.523	37.6	19.7	114 E	—	40
7 11	13 40.05	−75 45.5	0.803	1.518	38.2	19.8	113 E	—	40
7 13	13 32.37	−75 37.5	0.810	1.513	38.7	19.8	111 E	—	40
7 15	13 25.80	−75 29.1	0.818	1.508	39.3	19.8	110 E	—	41
7 17	13 20.29	−75 20.8	0.825	1.503	39.7	19.8	109 E	—	41*
7 19	13 15.77	−75 12.9	0.833	1.498	40.2	19.9	108 E	—	41*
7 21	13 12.17	−75 5.7	0.841	1.494	40.7	19.9	107 E	—	41*
7 23	13 9.44	−74 59.3	0.848	1.489	41.1	19.9	106 E	—	41*
7 25	13 7.51	−74 53.9	0.856	1.484	41.5	19.9	105 E	—	41*
7 27	13 6.33	−74 49.7	0.863	1.480	41.8	20.0	104 E	—	40*
7 29	13 5.88	−74 46.8	0.870	1.475	42.2	20.0	103 E	—	40*
7 31	13 6.10	−74 45.1	0.877	1.471	42.5	20.0	102 E	—	40*
8 2	13 6.99	−74 44.8	0.884	1.466	42.8	20.0	101 E	—	40*
8 4	13 8.51	−74 45.9	0.891	1.462	43.1	20.0	100 E	—	40*
8 6	13 10.66	−74 48.3	0.898	1.458	43.4	20.1	99 E	—	39*
8 8	13 13.42	−74 52.1	0.904	1.454	43.6	20.1	98 E	—	39*
8 10	13 16.79	−74 57.2	0.910	1.450	43.9	20.1	98 E	—	39*
8 12	13 20.77	−75 3.6	0.916	1.446	44.1	20.1	97 E	—	38*
8 14	13 25.37	−75 11.2	0.922	1.442	44.3	20.1	96 E	—	38*
8 16	13 30.60	−75 19.9	0.927	1.438	44.5	20.1	96 E	—	38*
8 18	13 36.48	−75 29.6	0.932	1.435	44.7	20.1	95 E	—	38*
8 20	13 43.03	−75 40.2	0.937	1.431	44.8	20.2	94 E	—	38*
8 22	13 50.27	−75 51.5	0.941	1.428	45.0	20.2	94 E	—	37*
8 24	13 58.25	−76 3.3	0.946	1.425	45.1	20.2	93 E	—	37*
8 26	14 7.00	−76 15.5	0.950	1.421	45.2	20.2	93 E	—	37*
8 28	14 16.56	−76 27.8	0.954	1.418	45.4	20.2	92 E	—	37*
8 30	14 26.98	−76 40.0	0.957	1.415	45.5	20.2	92 E	—	37*
9 1	14 38.28	−76 51.7	0.961	1.412	45.6	20.2	92 E	—	37*
9 3	14 50.50	−77 2.8	0.964	1.410	45.7	20.2	91 E	—	37*
9 5	15 3.67	−77 12.8	0.967	1.407	45.8	20.2	91 E	—	37*
9 7	15 17.78	−77 21.4	0.969	1.405	45.8	20.2	91 E	—	37*
9 9	15 32.83	−77 28.1	0.972	1.402	45.9	20.2	90 E	—	37*
9 11	15 48.75	−77 32.6	0.974	1.400	46.0	20.2	90 E	—	37*
9 13	16 5.48	−77 34.4	0.976	1.398	46.0	20.2	90 E	—	37*
9 14	16 14.12	−77 34.2	0.977	1.397	46.1	20.2	90 E	—	37*
9 15	16 22.91	−77 33.1	0.978	1.396	46.1	20.2	89 E	—	37*
9 16	16 31.84	−77 31.1	0.979	1.395	46.1	20.2	89 E	—	38*
9 17	16 40.89	−77 28.2	0.979	1.394	46.1	20.2	89 E	—	38*
9 18	16 50.03	−77 24.4	0.980	1.393	46.2	20.2	89 E	—	38*
9 19	16 59.24	−77 19.5	0.981	1.392	46.2	20.2	89 E	—	38*
9 20	17 8.50	−77 13.5	0.982	1.392	46.2	20.2	89 E	—	38*
9 21	17 17.78	−77 6.5	0.982	1.391	46.2	20.2	89 E	—	38*
9 22	17 27.05	−76 58.3	0.983	1.390	46.2	20.2	89 E	—	39*
9 23	17 36.30	−76 49.0	0.984	1.389	46.2	20.2	89 E	—	39*
9 24	17 45.49	−76 38.5	0.984	1.389	46.2	20.2	89 E	—	39*
9 25	17 54.61	−76 26.9	0.985	1.388	46.3	20.2	89 E	—	39*
9 26	18 3.62	−76 14.1	0.985	1.387	46.3	20.2	89 E	—	40*
9 27	18 12.52	−76 0.1	0.986	1.387	46.3	20.2	88 E	—	40*
9 28	18 21.29	−75 44.9	0.987	1.386	46.3	20.2	88 E	—	40*
9 29	18 29.90	−75 28.5	0.987	1.386	46.3	20.2	88 E	—	40*
9 30	18 38.35	−75 10.9	0.988	1.385	46.3	20.2	88 E	—	41*
10 1	18 46.62	−74 52.2	0.988	1.385	46.3	20.2	88 E	—	41*
10 2	18 54.71	−74 32.4	0.989	1.384	46.3	20.2	88 E	—	41*
10 3	19 2.60	−74 11.4	0.989	1.384	46.3	20.2	88 E	—	42*

465307 2007 UQ_3 *(continuation)*

21/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
	h m	° ′			°	m	°	°	°
10 5	19 17.79	−73 26.1	0.990	1.383	46.3	20.2	88 E	—	43*
10 7	19 32.17	−72 36.6	0.992	1.383	46.3	20.2	88 E	—	43
10 9	19 45.74	−71 43.1	0.993	1.382	46.2	20.2	88 E	—	44
10 11	19 58.53	−70 45.8	0.994	1.382	46.2	20.2	88 E	—	45
10 13	20 10.56	−69 44.8	0.996	1.382	46.2	20.2	88 E	—	46
10 15	20 21.87	−68 40.5	0.998	1.382	46.1	20.2	88 E	—	47
10 17	20 32.52	−67 33.0	0.999	1.382	46.1	20.3	88 E	—	48
10 19	20 42.54	−66 22.5	1.001	1.383	46.0	20.3	88 E	—	50
10 21	20 51.98	−65 9.2	1.004	1.383	46.0	20.3	88 E	—	51
10 23	21 0.90	−63 53.2	1.006	1.384	45.9	20.3	87 E	—	52
10 25	21 9.34	−62 34.9	1.009	1.384	45.9	20.3	87 E	—	53
10 27	21 17.33	−61 14.3	1.013	1.385	45.8	20.3	87 E	—	55
10 29	21 24.93	−59 51.6	1.016	1.386	45.7	20.3	87 E	—	56
10 31	21 32.17	−58 27.0	1.020	1.387	45.6	20.3	87 E	—	58
11 2	21 39.08	−57 0.6	1.025	1.389	45.5	20.3	87 E	—	59
11 4	21 45.69	−55 32.7	1.029	1.390	45.4	20.3	87 E	—	60
11 6	21 52.02	−54 3.3	1.035	1.392	45.3	20.3	87 E	—	62
11 8	21 58.12	−52 32.8	1.040	1.393	45.2	20.3	87 E	—	63
11 10	22 3.99	−51 1.1	1.047	1.395	45.1	20.3	86 E	—	65
11 12	22 9.65	−49 28.6	1.053	1.397	45.0	20.4	86 E	—	67*
11 17	22 23.03	−45 34.3	1.073	1.402	44.7	20.4	86 E	—	70*
11 22	22 35.48	−41 37.8	1.095	1.409	44.3	20.4	85 E	3	74*
11 27	22 47.18	−37 41.1	1.121	1.416	43.9	20.5	84 E	7	76*
12 2	22 58.30	−33 46.3	1.151	1.423	43.5	20.5	83 E	11	77*
12 7	23 8.96	−29 55.1	1.185	1.431	43.0	20.6	82 E	15	76*
12 12	23 19.26	−26 8.8	1.221	1.440	42.4	20.7	81 E	19	73*
12 17	23 29.27	−22 28.7	1.261	1.450	41.8	20.7	79 E	23	70*
12 22	23 39.06	−18 55.5	1.304	1.460	41.2	20.8	78 E	26	66*
12 27	23 48.68	−15 29.8	1.350	1.471	40.5	20.9	76 E	30	62*
1 1	23 58.18	−12 11.8	1.398	1.482	39.8	21.0	75 E	33	58*
1 6	0 7.62	− 9 1.7	1.448	1.494	39.0	21.0	73 E	36	54*
1 11	0 17.01	− 5 59.3	1.500	1.506	38.2	21.1	71 E	39*	50*
1 16	0 26.38	− 3 4.6	1.553	1.519	37.3	21.2	69 E	41*	46*
1 21	0 35.76	− 0 17.4	1.608	1.531	36.4	21.2	68 E	43*	43*

537702 2015 TE_{21}

21/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
3 17	17 37.01	−13 41.6	1.367	1.718	35.4	21.4	92 W	31*	77*
3 27	18 0.07	−13 21.3	1.240	1.672	36.4	21.2	96 W	31*	77
4 6	18 23.27	−12 49.3	1.119	1.628	37.2	20.9	100 W	32*	77
4 16	18 46.53	−12 6.8	1.006	1.585	37.9	20.6	104 W	33*	76
4 26	19 9.79	−11 16.5	0.901	1.543	38.4	20.4	108 W	33*	75
5 6	19 33.03	−10 21.6	0.804	1.504	38.6	20.1	112 W	34*	74
5 16	19 56.14	− 9 26.9	0.716	1.468	38.5	19.7	115 W	35*	73
5 26	20 19.05	− 8 38.8	0.636	1.435	38.1	19.4	119 W	36*	73
5 31	20 30.40	− 8 19.5	0.600	1.420	37.7	19.3	121 W	37*	72
6 5	20 41.65	− 8 4.8	0.566	1.406	37.2	19.1	123 W	37*	72
6 10	20 52.74	− 7 56.1	0.534	1.393	36.6	18.9	125 W	37*	72
6 15	21 3.65	− 7 54.6	0.504	1.381	35.8	18.8	127 W	37	72
6 20	21 14.33	− 8 1.7	0.477	1.371	34.8	18.6	130 W	37	72
6 25	21 24.74	− 8 18.6	0.452	1.362	33.6	18.4	132 W	37	72
6 30	21 34.81	− 8 46.3	0.430	1.354	32.2	18.3	135 W	36	73
7 5	21 44.44	− 9 25.9	0.410	1.348	30.6	18.1	138 W	36	73
7 15	22 1.96	−11 23.0	0.377	1.340	26.6	17.8	144 W	34	75
7 25	22 16.64	−14 7.4	0.355	1.337	21.7	17.5	151 W	31	78
8 4	22 27.86	−17 24.4	0.345	1.341	16.4	17.3	158 W	28	81
8 9	22 32.07	−19 7.2	0.345	1.346	13.9	17.2	161 W	26	83
8 14	22 35.42	−20 47.4	0.348	1.351	11.9	17.2	164 W	24	85
8 19	22 38.02	−22 20.6	0.354	1.358	10.6	17.2	166 W	23	86
8 24	22 40.03	−23 43.2	0.364	1.367	10.5	17.3	166 W	21	88
8 29	22 41.59	−24 52.5	0.377	1.377	11.4	17.4	164 W	20	89
9 3	22 42.90	−25 46.6	0.393	1.388	13.1	17.6	162 E	19	90
9 8	22 44.16	−26 24.4	0.413	1.400	15.1	17.7	159 E	19	90
9 13	22 45.56	−26 45.8	0.435	1.414	17.2	18.0	155 E	18	89
9 18	22 47.27	−26 51.4	0.461	1.428	19.3	18.2	152 E	18	89
9 23	22 49.39	−26 42.7	0.490	1.444	21.3	18.4	148 E	18	89
9 28	22 51.96	−26 21.3	0.522	1.460	23.2	18.6	145 E	19	90
10 3	22 55.02	−25 48.6	0.557	1.478	24.9	18.8	142 E	19	90
10 8	22 58.60	−25 6.2	0.594	1.496	26.4	19.0	138 E	20	89
10 13	23 2.70	−24 15.7	0.635	1.515	27.7	19.2	135 E	21	88
10 18	23 7.29	−23 18.3	0.678	1.535	28.9	19.5	132 E	22	87
10 23	23 12.33	−22 15.6	0.724	1.555	29.9	19.7	129 E	23	86
10 28	23 17.76	−21 8.5	0.772	1.576	30.7	19.8	126 E	24	85
11 2	23 23.55	−19 58.0	0.823	1.597	31.4	20.0	123 E	25	84
11 7	23 29.68	−18 44.6	0.877	1.619	32.0	20.2	120 E	26	83
11 12	23 36.11	−17 29.2	0.933	1.641	32.5	20.4	117 E	28	81
11 17	23 42.81	−16 12.3	0.991	1.663	32.8	20.6	114 E	29	80
11 22	23 49.73	−14 54.4	1.052	1.686	33.0	20.7	111 E	30	79
11 27	23 56.85	−13 35.9	1.114	1.709	33.2	20.9	109 E	31	78
12 2	0 4.15	−12 17.1	1.178	1.732	33.2	21.0	106 E	33	76

537702 2015 TE_{21} *(continuation)*

21/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
	h m	° ′			°	m	°	°	°
12 7	0 11.62	−10 58.3	1.245	1.755	33.1	21.2	103 E	34	75
12 12	0 19.24	− 9 39.7	1.313	1.778	33.0	21.3	100 E	35	73*
12 17	0 26.98	− 8 21.6	1.382	1.801	32.8	21.5	98 E	37	71*

277162 2005 NM_{20}

21/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
3 17	17 42.37	−50 19.5	2.654	2.827	20.6	21.5	90 W	—	65*
3 22	17 48.66	−50 56.3	2.576	2.809	20.7	21.4	93 W	—	65*
3 27	17 54.48	−51 33.8	2.499	2.792	20.8	21.3	96 W	—	64
4 1	17 59.76	−52 11.8	2.423	2.774	20.8	21.3	100 W	—	64
4 6	18 4.43	−52 50.6	2.348	2.756	20.7	21.2	103 W	—	63
4 11	18 8.41	−53 30.0	2.274	2.738	20.5	21.1	107 W	—	63
4 16	18 11.60	−54 9.9	2.202	2.720	20.2	21.0	110 W	—	62
4 21	18 13.91	−54 50.1	2.132	2.702	19.9	20.9	114 W	—	61
4 26	18 15.26	−55 30.3	2.065	2.683	19.4	20.8	118 W	—	60
5 1	18 15.56	−56 9.9	2.000	2.665	18.9	20.7	121 W	—	60
5 6	18 14.70	−56 48.4	1.938	2.646	18.3	20.6	125 W	—	59
5 11	18 12.58	−57 24.9	1.880	2.627	17.6	20.5	128 W	—	59
5 16	18 9.17	−57 58.2	1.825	2.608	16.9	20.4	132 W	—	58
5 21	18 4.43	−58 27.1	1.774	2.588	16.1	20.3	135 W	—	58
5 26	17 58.41	−58 50.1	1.728	2.569	15.4	20.2	138 W	—	57
5 31	17 51.21	−59 5.9	1.687	2.549	14.8	20.1	140 W	—	57
6 5	17 43.00	−59 12.8	1.650	2.529	14.2	20.0	142 W	—	57
6 10	17 34.04	−59 9.6	1.619	2.509	13.9	19.9	144 W	—	57
6 15	17 24.68	−58 55.2	1.593	2.489	13.8	19.9	144 E	—	57
6 20	17 15.28	−58 29.4	1.572	2.469	13.9	19.8	144 E	—	58
6 25	17 6.25	−57 52.2	1.557	2.449	14.3	19.8	143 E	—	58
6 30	16 57.91	−57 4.3	1.547	2.428	15.0	19.8	142 E	—	59
7 5	16 50.55	−56 6.9	1.542	2.408	15.9	19.8	140 E	—	60
7 10	16 44.36	−55 1.4	1.543	2.387	17.0	19.8	137 E	—	61
7 15	16 39.50	−53 49.7	1.549	2.367	18.1	19.9	134 E	—	62
7 20	16 36.00	−52 33.6	1.559	2.346	19.3	19.9	130 E	—	63
7 25	16 33.86	−51 14.7	1.573	2.325	20.6	19.9	126 E	—	65
7 30	16 33.01	−49 54.4	1.591	2.304	21.8	20.0	123 E	—	66
8 4	16 33.39	−48 34.1	1.613	2.283	22.9	20.0	119 E	—	67
8 9	16 34.92	−47 14.6	1.638	2.262	23.9	20.1	115 E	—	69
8 14	16 37.50	−45 56.7	1.665	2.242	24.9	20.1	111 E	—	70
8 19	16 41.05	−44 40.9	1.695	2.221	25.8	20.2	108 E	—	71
8 24	16 45.46	−43 27.6	1.726	2.200	26.5	20.2	104 E	1*	73
8 29	16 50.66	−42 16.6	1.759	2.179	27.1	20.2	100 E	2*	74
9 3	16 56.56	−41 8.1	1.794	2.158	27.7	20.3	97 E	3*	75*
9 8	17 3.11	−40 1.8	1.829	2.137	28.1	20.3	93 E	4*	75*
9 13	17 10.25	−38 57.7	1.865	2.116	28.4	20.3	90 E	5*	75*
9 18	17 17.91	−37 55.3	1.901	2.096	28.6	20.4	87 E	6*	75*
9 23	17 26.03	−36 54.3	1.937	2.075	28.7	20.4	83 E	7*	73*
10 3	17 43.49	−34 55.2	2.009	2.034	28.7	20.4	77 E	8*	69*
10 13	18 2.33	−32 57.6	2.078	1.995	28.3	20.4	71 E	10*	65*
10 23	18 22.26	−30 58.7	2.145	1.955	27.6	20.4	66 E	12*	60*
11 2	18 43.04	−28 55.8	2.208	1.918	26.7	20.4	60 E	14*	54*
11 12	19 4.49	−26 47.0	2.265	1.881	25.5	20.4	55 E	16*	48*
11 22	19 26.42	−24 30.2	2.318	1.846	24.2	20.4	50 E	17*	42*
12 2	19 48.70	−22 4.3	2.365	1.813	22.8	20.3	45 E	19*	36*
12 12	20 11.23	−19 28.2	2.406	1.782	21.2	20.3	41 E	20*	30*
12 22	20 33.92	−16 41.4	2.441	1.753	19.6	20.2	37 E	20*	24*
1 1	20 56.72	−13 43.7	2.472	1.727	17.9	20.2	33 E	20*	18*
1 11	21 19.63	−10 35.4	2.497	1.704	16.2	20.1	29 E	19*	13*
1 21	21 42.62	− 7 17.2	2.517	1.684	14.6	20.1	26 E	18*	8*

299582 2006 GQ_2

21/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
3 17	17 45.66	−43 6.1	1.459	1.754	34.6	21.5	89 W	2*	72*
3 22	17 52.34	−44 36.3	1.418	1.770	34.2	21.4	93 W	—	71*
3 27	17 58.32	−46 10.0	1.378	1.785	33.8	21.4	96 W	—	70
4 1	18 3.49	−47 47.5	1.338	1.799	33.2	21.3	100 W	—	68
4 6	18 7.72	−49 29.0	1.299	1.812	32.5	21.2	103 W	—	67
4 11	18 10.79	−51 14.8	1.261	1.824	31.7	21.2	107 W	—	65
4 16	18 12.50	−53 4.5	1.224	1.835	30.8	21.1	111 W	—	63
4 21	18 12.57	−54 57.6	1.189	1.845	29.8	21.0	114 W	—	61
4 26	18 10.70	−56 53.0	1.157	1.854	28.7	20.9	118 W	—	59
5 1	18 6.51	−58 48.9	1.128	1.862	27.6	20.8	121 W	—	57
5 6	17 59.57	−60 42.9	1.102	1.869	26.4	20.8	125 W	—	55
5 11	17 49.44	−62 31.6	1.080	1.875	25.3	20.7	128 W	—	53
5 16	17 35.79	−64 10.3	1.061	1.880	24.2	20.6	130 W	—	52
5 21	17 18.51	−65 34.0	1.048	1.884	23.4	20.6	132 W	—	50
5 26	16 57.95	−66 37.4	1.039	1.887	22.8	20.5	134 W	—	49
5 31	16 34.99	−67 16.2	1.035	1.890	22.5	20.5	135 W	—	49
6 5	16 11.06	−67 27.8	1.035	1.891	22.5	20.5	135 E	—	49
6 10	15 47.88	−67 12.5	1.041	1.891	22.8	20.6	134 E	—	49
6 15	15 27.00	−66 33.3	1.051	1.891	23.4	20.6	132 E	—	49
6 20	15 9.42	−65 35.2	1.065	1.889	24.2	20.6	130 E	—	50
6 25	14 55.52	−64 24.1	1.083	1.886	25.2	20.7	128 E	—	52
6 30	14 45.22	−63 5.0	1.105	1.883	26.2	20.8	125 E	—	53
7 5	14 38.22	−61 42.5	1.130	1.878	27.3	20.9	122 E	—	54

299582 2006 GQ_2 *(continuation)*

21/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
	h m	° ′			°	m	°	°	°
7 10	14 34.10	−60 19.8	1.158	1.873	28.4	20.9	119 E	—	56
7 15	14 32.48	−58 59.5	1.188	1.866	29.5	21.0	115 E	—	57
7 20	14 32.96	−57 43.3	1.220	1.859	30.4	21.1	112 E	—	58
7 25	14 35.22	−56 32.1	1.254	1.851	31.3	21.2	109 E	—	59
7 30	14 38.99	−55 26.4	1.288	1.841	32.1	21.2	106 E	—	61
8 4	14 44.05	−54 26.1	1.323	1.831	32.8	21.3	102 E	—	62*
8 9	14 50.25	−53 31.2	1.359	1.820	33.4	21.4	99 E	—	62*
8 14	14 57.45	−52 41.3	1.394	1.807	33.9	21.4	96 E	—	62*
8 19	15 5.52	−51 56.1	1.429	1.794	34.3	21.5	93 E	—	62*

147431 2003 JA

21/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
3 17	17 48.58	−16 3.1	1.520	1.804	33.5	21.4	89 W	29*	78*
3 27	18 3.70	−16 14.0	1.422	1.811	33.3	21.2	95 W	29*	80*
4 6	18 16.67	−16 24.0	1.324	1.818	32.6	21.1	102 W	28*	80
4 16	18 27.04	−16 36.5	1.228	1.824	31.3	20.9	109 W	28*	81
4 26	18 34.31	−16 55.7	1.135	1.830	29.3	20.7	117 W	28	81
5 6	18 37.96	−17 25.7	1.049	1.835	26.4	20.4	126 W	28	81
5 16	18 37.42	−18 10.1	0.973	1.839	22.5	20.1	136 W	27	82
5 26	18 32.39	−19 10.8	0.909	1.843	17.5	19.8	147 W	26	83
6 5	18 22.99	−20 26.7	0.863	1.846	11.5	19.5	159 W	25	84
6 10	18 16.86	−21 8.7	0.847	1.847	8.2	19.3	165 W	24	85
6 15	18 10.03	−21 52.2	0.837	1.848	4.7	19.2	171 W	23	86
6 20	18 2.75	−22 36.1	0.833	1.849	1.2	18.9	178 W	22	87
6 25	17 55.32	−23 19.3	0.834	1.849	2.4	19.0	176 E	22	87
6 30	17 48.02	−24 0.7	0.841	1.850	6.0	19.2	169 E	21	88
7 5	17 41.14	−24 39.9	0.854	1.850	9.4	19.4	163 E	20	89
7 10	17 34.95	−25 16.2	0.873	1.850	12.6	19.6	157 E	20	89
7 15	17 29.66	−25 49.8	0.896	1.850	15.6	19.8	151 E	19	90
7 20	17 25.45	−26 20.7	0.924	1.850	18.4	19.9	145 E	19	90
7 25	17 22.39	−26 49.0	0.956	1.850	20.9	20.1	139 E	18	89
8 4	17 19.83	−27 39.4	1.030	1.848	25.1	20.4	129 E	17	88
8 14	17 21.94	−28 22.6	1.115	1.846	28.3	20.6	120 E	17	88
8 24	17 28.27	−28 59.7	1.207	1.843	30.5	20.9	112 E	16*	87
9 3	17 38.24	−29 30.4	1.303	1.840	32.0	21.1	105 E	15*	86
9 13	17 51.32	−29 53.7	1.403	1.836	32.9	21.2	98 E	15*	86
9 23	18 6.99	−30 8.4	1.503	1.831	33.2	21.4	92 E	15*	84*

427914 2005 UF_{314}

21/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
3 17	17 53.62	−20 33.5	1.708	1.944	30.8	21.4	88 W	24*	80*
3 27	18 10.62	−19 28.8	1.579	1.922	31.2	21.2	94 W	25*	83*
4 6	18 26.10	−18 8.2	1.453	1.900	31.3	21.0	100 W	27*	82
4 16	18 39.70	−16 32.0	1.332	1.878	30.9	20.8	106 W	28*	81
4 26	18 51.02	−14 40.8	1.216	1.856	29.9	20.6	113 W	30*	79
5 6	18 59.69	−12 35.7	1.108	1.835	28.4	20.3	120 W	32	77
5 16	19 5.20	−10 18.8	1.009	1.813	26.2	20.0	128 W	35	74
5 26	19 7.18	− 7 53.8	0.922	1.792	23.3	19.7	136 W	37	72
5 31	19 6.75	− 6 40.0	0.884	1.781	21.7	19.5	140 W	38	71
6 5	19 5.37	− 5 26.6	0.849	1.771	19.9	19.4	144 W	40	69
6 10	19 3.03	− 4 14.8	0.818	1.761	18.1	19.2	147 W	41	68
6 15	18 59.81	− 3 6.1	0.792	1.751	16.4	19.1	151 W	42	67
6 20	18 55.82	− 2 2.1	0.770	1.741	14.9	19.0	154 W	43	66
6 25	18 51.21	− 1 4.2	0.752	1.731	13.8	18.9	156 W	44	65
6 30	18 46.16	− 0 13.9	0.739	1.721	13.4	18.8	157 W	45	64
7 5	18 40.87	+ 0 27.4	0.731	1.712	13.7	18.8	156 E	45	64
7 10	18 35.60	+ 0 58.8	0.728	1.703	14.8	18.8	155 E	46	63
7 15	18 30.60	+ 1 19.7	0.729	1.694	16.4	18.8	152 E	46	63
7 25	18 22.36	+ 1 30.8	0.743	1.678	20.4	19.0	145 E	47	62
8 4	18 17.54	+ 1 5.7	0.771	1.662	24.7	19.2	137 E	46	63
8 14	18 16.93	+ 0 13.3	0.810	1.649	28.5	19.4	129 E	45	64
8 19	18 18.29	− 0 19.9	0.834	1.642	30.2	19.5	125 E	45	64
8 24	18 20.73	− 0 56.0	0.859	1.636	31.6	19.6	122 E	44	65
8 29	18 24.21	− 1 33.9	0.886	1.630	33.0	19.7	119 E	43	66
9 3	18 28.67	− 2 12.7	0.914	1.625	34.1	19.8	115 E	43	66
9 8	18 34.06	− 2 51.4	0.944	1.621	35.1	19.9	112 E	42	67
9 13	18 40.34	− 3 29.2	0.975	1.616	36.0	20.0	109 E	42	67
9 23	18 55.25	− 4 39.2	1.040	1.609	37.3	20.1	104 E	40	69
10 3	19 12.86	− 5 38.1	1.109	1.604	38.1	20.3	99 E	39	70
10 13	19 32.73	− 6 22.6	1.181	1.600	38.4	20.4	94 E	39	70*
10 23	19 54.41	− 6 50.1	1.255	1.599	38.5	20.6	90 E	38	68*
11 2	20 17.48	− 6 59.3	1.333	1.600	38.2	20.7	86 E	38	65*
11 12	20 41.60	− 6 49.8	1.413	1.603	37.7	20.8	82 E	38	61*
11 22	21 6.43	− 6 21.6	1.496	1.607	36.9	20.9	78 E	39	57*
12 2	21 31.69	− 5 36.0	1.580	1.614	35.9	21.0	74 E	39*	52*
12 12	21 57.21	− 4 34.3	1.667	1.623	34.8	21.1	70 E	40*	47*
12 22	22 22.78	− 3 18.7	1.756	1.633	33.5	21.2	66 E	41*	42*
1 1	22 48.29	− 1 51.4	1.846	1.645	32.1	21.3	63 E	42*	38*
1 11	23 13.68	− 0 14.9	1.936	1.658	30.5	21.3	59 E	42*	33*
1 21	23 38.91	+ 1 28.4	2.027	1.673	28.9	21.4	55 E	41*	30*

386259 2008 EJ_1

21/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
	h m	° ′			°	m	°	°	°
3 17	17 54.32	−64 8.1	3.015	3.139	18.5	21.4	88 W	—	51*
3 22	18 0.61	−65 4.1	2.954	3.133	18.5	21.4	91 W	—	51*
3 27	18 6.24	−66 1.4	2.894	3.126	18.6	21.3	94 W	—	50*
4 1	18 11.09	−67 0.0	2.835	3.119	18.5	21.3	97 W	—	49
4 6	18 15.02	−67 59.8	2.777	3.112	18.5	21.2	100 W	—	48
4 11	18 17.86	−69 0.7	2.721	3.104	18.3	21.2	103 W	—	47
4 16	18 19.37	−70 2.2	2.666	3.096	18.2	21.1	106 W	—	46
4 21	18 19.32	−71 3.9	2.614	3.087	18.0	21.1	109 W	—	45
4 26	18 17.44	−72 5.2	2.564	3.078	17.7	21.0	111 W	—	44
5 1	18 13.39	−73 4.9	2.517	3.069	17.4	21.0	114 W	—	43
5 6	18 6.82	−74 2.0	2.472	3.059	17.2	20.9	116 W	—	42
5 11	17 57.37	−74 54.7	2.432	3.049	16.9	20.8	119 W	—	41
5 16	17 44.80	−75 40.9	2.394	3.038	16.6	20.8	121 W	—	40
5 21	17 29.07	−76 18.4	2.361	3.027	16.4	20.8	122 W	—	40
5 26	17 10.50	−76 44.7	2.332	3.015	16.2	20.7	124 W	—	39
5 31	16 49.82	−76 57.7	2.306	3.003	16.1	20.7	125 W	—	39
6 5	16 28.18	−76 55.9	2.286	2.991	16.0	20.6	126 E	—	39
6 10	16 6.97	−76 38.9	2.269	2.979	16.1	20.6	126 E	—	39
6 15	15 47.49	−76 7.4	2.258	2.965	16.2	20.6	126 E	—	40
6 20	15 30.66	−75 23.1	2.250	2.952	16.4	20.6	125 E	—	41
6 25	15 16.93	−74 28.4	2.247	2.938	16.7	20.6	124 E	—	42
6 30	15 6.34	−73 25.7	2.248	2.924	17.0	20.6	123 E	—	43
7 5	14 58.71	−72 17.2	2.254	2.909	17.5	20.6	121 E	—	44
7 10	14 53.74	−71 4.9	2.263	2.894	17.9	20.6	119 E	—	45
7 15	14 51.09	−69 50.6	2.276	2.878	18.4	20.6	117 E	—	46
7 20	14 50.43	−68 35.6	2.293	2.862	18.9	20.6	114 E	—	47
7 25	14 51.44	−67 21.1	2.312	2.845	19.4	20.7	111 E	—	49
7 30	14 53.88	−66 7.9	2.335	2.829	19.9	20.7	109 E	—	50
8 4	14 57.53	−64 56.5	2.360	2.811	20.3	20.7	106 E	—	51
8 9	15 2.22	−63 47.3	2.387	2.793	20.7	20.7	103 E	—	52*
8 14	15 7.81	−62 40.8	2.416	2.775	21.1	20.8	100 E	—	53*
8 19	15 14.19	−61 37.0	2.447	2.756	21.4	20.8	97 E	—	54*
8 24	15 21.23	−60 36.1	2.479	2.737	21.6	20.8	94 E	—	54*
8 29	15 28.87	−59 37.8	2.512	2.718	21.8	20.8	91 E	—	54*
9 3	15 37.03	−58 42.0	2.545	2.698	21.9	20.8	88 E	—	54*
9 8	15 45.66	−57 48.7	2.579	2.677	22.0	20.9	84 E	—	54*
9 13	15 54.72	−56 57.6	2.613	2.656	22.0	20.9	81 E	—	54*
9 18	16 4.15	−56 8.5	2.646	2.635	21.9	20.9	78 E	—	53*
9 23	16 13.91	−55 21.0	2.679	2.613	21.8	20.9	75 E	—	52*
9 28	16 23.97	−54 35.0	2.712	2.591	21.6	20.9	72 E	—	51*
10 3	16 34.30	−53 49.9	2.743	2.568	21.4	20.9	69 E	—	50*
10 8	16 44.87	−53 5.7	2.773	2.545	21.1	20.9	66 E	—	49*
10 13	16 55.67	−52 22.0	2.802	2.521	20.8	20.9	64 E	—	48*
10 18	17 6.65	−51 38.5	2.829	2.497	20.4	20.9	61 E	—	46*
10 23	17 17.80	−50 54.9	2.854	2.472	19.9	20.8	58 E	—	45*
10 28	17 29.09	−50 10.9	2.878	2.447	19.4	20.8	55 E	—	43*
11 2	17 40.50	−49 26.2	2.899	2.422	18.9	20.8	52 E	—	41*
11 7	17 52.01	−48 40.6	2.918	2.396	18.3	20.8	49 E	—	39*
11 12	18 3.61	−47 53.9	2.935	2.369	17.7	20.7	47 E	—	37*
11 17	18 15.27	−47 5.9	2.949	2.342	17.1	20.7	44 E	—	35*
11 22	18 26.96	−46 16.2	2.961	2.314	16.4	20.7	41 E	—	33*
11 27	18 38.67	−45 24.7	2.970	2.286	15.7	20.6	39 E	—	31*
12 2	18 50.40	−44 31.2	2.976	2.258	15.0	20.6	36 E	—	29*
12 7	19 2.12	−43 35.6	2.980	2.229	14.2	20.5	34 E	—	27*
12 12	19 13.82	−42 37.7	2.980	2.199	13.4	20.5	31 E	—	24*
12 22	19 37.11	−40 34.5	2.973	2.139	11.9	20.3	27 E	—	20*
1 1	20 0.17	−38 20.3	2.953	2.077	10.3	20.2	22 E	—	15*
1 11	20 22.98	−35 54.5	2.921	2.012	8.9	20.0	18 E	—	11*
1 21	20 45.49	−33 15.9	2.878	1.946	7.7	19.9	15 E	—	7*

226046 2002 GV_{75}

21/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
3 17	18 5.81	−24 10.5	1.540	1.759	34.3	21.4	85 W	20*	79*
3 27	18 28.96	−23 49.7	1.430	1.739	35.0	21.2	90 W	20*	83*
4 6	18 51.16	−23 15.2	1.325	1.720	35.4	21.0	94 W	21*	87*
4 16	19 12.06	−22 28.7	1.224	1.704	35.5	20.9	99 W	21*	86
4 26	19 31.32	−21 32.4	1.127	1.689	35.2	20.6	105 W	23*	86
5 6	19 48.58	−20 29.1	1.036	1.676	34.4	20.4	110 W	24*	84
5 16	20 3.38	−19 22.4	0.951	1.666	33.0	20.2	116 W	25*	83
5 26	20 15.24	−18 15.9	0.874	1.657	30.9	19.9	123 W	27*	82
6 5	20 23.72	−17 13.9	0.804	1.652	28.0	19.7	130 W	28	81
6 15	20 28.31	−16 20.7	0.744	1.648	24.2	19.4	138 W	29	80
6 25	20 28.83	−15 39.9	0.697	1.647	19.3	19.1	148 W	29	80
7 5	20 25.45	−15 13.8	0.663	1.649	13.6	18.8	158 W	30	79
7 15	20 18.96	−15 2.8	0.645	1.653	7.3	18.5	168 W	30	79
7 20	20 15.03	−15 2.2	0.643	1.656	4.3	18.3	173 W	30	79
7 25	20 10.96	−15 4.2	0.645	1.659	3.0	18.3	175 E	30	79
7 30	20 7.00	−15 8.3	0.652	1.663	4.8	18.4	172 E	30	79
8 4	20 3.38	−15 13.9	0.664	1.668	7.7	18.6	167 E	30	79
8 9	20 0.31	−15 20.2	0.680	1.673	10.8	18.8	162 E	30	79
8 14	19 58.00	−15 26.8	0.700	1.679	13.8	18.9	157 E	30	79
8 19	19 56.56	−15 33.1	0.725	1.686	16.5	19.1	152 E	29	80
8 24	19 56.08	−15 38.5	0.753	1.693	19.1	19.3	147 E	29	80

226046 2002 GV_{75} *(continuation)*

21/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
	h m	° ′			°	m	°	°	°
9 3	19 58.02	−15 45.2	0.821	1.708	23.4	19.6	138 E	29	80
9 13	20 3.71	−15 44.4	0.901	1.725	26.8	20.0	129 E	29	80
9 23	20 12.73	−15 33.9	0.991	1.744	29.2	20.3	122 E	29	80
10 3	20 24.46	−15 12.6	1.091	1.764	30.9	20.5	115 E	30	79
10 13	20 38.37	−14 39.8	1.198	1.786	32.0	20.8	109 E	30	79
10 23	20 53.94	−13 54.9	1.311	1.809	32.5	21.0	102 E	31	78
11 2	21 10.72	−12 58.5	1.430	1.834	32.5	21.3	97 E	32	77*
11 12	21 28.41	−11 50.9	1.554	1.859	32.2	21.5	91 E	33	72*

277371 2005 UJ_9

21/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
3 17	18 6.49	−17 5.7	1.816	1.990	29.9	21.4	85 W	27*	75*
3 27	18 24.59	−16 26.0	1.683	1.961	30.6	21.2	90 W	28*	79*
4 6	18 41.67	−15 36.0	1.552	1.932	31.0	21.0	96 W	29*	80
4 16	18 57.46	−14 37.3	1.426	1.904	31.1	20.8	102 W	30*	79
4 26	19 11.66	−13 31.8	1.305	1.877	30.7	20.6	108 W	31*	78
5 6	19 23.96	−12 22.2	1.191	1.850	29.8	20.3	114 W	32*	76
5 16	19 33.97	−11 11.8	1.084	1.824	28.3	20.0	121 W	34*	75
5 26	19 41.29	−10 5.0	0.986	1.800	26.2	19.7	128 W	35	74
6 5	19 45.55	− 9 6.9	0.899	1.777	23.2	19.4	136 W	36	73
6 10	19 46.42	− 8 43.1	0.860	1.766	21.5	19.3	140 W	36	73
6 15	19 46.42	− 8 23.8	0.825	1.755	19.5	19.1	145 W	37	72
6 20	19 45.58	− 8 10.0	0.793	1.745	17.3	18.9	149 W	37	72
6 25	19 43.94	− 8 2.2	0.765	1.735	15.1	18.7	154 W	37	72
7 5	19 38.56	− 8 6.9	0.721	1.717	10.5	18.4	162 W	37	72
7 15	19 31.32	− 8 40.5	0.695	1.701	7.7	18.2	167 E	36	73
7 25	19 23.90	− 9 40.3	0.688	1.687	9.7	18.3	164 E	35	74
7 30	19 20.69	−10 17.7	0.691	1.681	12.0	18.4	160 E	35	74
8 4	19 18.08	−10 58.8	0.699	1.675	14.6	18.5	155 E	34	75
8 9	19 16.25	−11 42.1	0.710	1.671	17.2	18.6	151 E	33	76
8 14	19 15.35	−12 26.4	0.726	1.666	19.8	18.7	146 E	33	76
8 19	19 15.46	−13 10.5	0.745	1.663	22.2	18.8	142 E	32	77
8 24	19 16.64	−13 53.2	0.768	1.660	24.4	19.0	137 E	31	78
8 29	19 18.87	−14 33.7	0.794	1.657	26.4	19.1	133 E	30	79
9 3	19 22.15	−15 11.3	0.822	1.656	28.2	19.2	129 E	30	79
9 13	19 31.66	−16 15.2	0.886	1.654	31.1	19.5	122 E	29	80
9 23	19 44.70	−17 1.1	0.958	1.655	33.3	19.7	115 E	28	81
10 3	20 0.61	−17 26.9	1.038	1.659	34.8	19.9	109 E	28	81
10 13	20 18.81	−17 31.7	1.124	1.666	35.7	20.1	103 E	27	82
10 23	20 38.73	−17 15.4	1.215	1.675	36.0	20.3	98 E	28	81*
11 2	20 59.84	−16 38.7	1.310	1.686	36.0	20.5	93 E	28	79*
11 12	21 21.77	−15 43.1	1.410	1.700	35.6	20.7	88 E	29	74*
11 22	21 44.16	−14 30.2	1.514	1.716	34.9	20.8	84 E	30	69*
12 2	22 6.74	−13 2.4	1.620	1.734	34.0	21.0	79 E	32	63*
12 12	22 29.38	−11 21.8	1.729	1.754	32.8	21.1	75 E	34	57*
12 22	22 51.91	− 9 30.9	1.840	1.776	31.5	21.2	71 E	35*	51*
1 1	23 14.29	− 7 32.1	1.951	1.799	30.1	21.3	66 E	37*	46*
1 11	23 36.48	− 5 27.6	2.064	1.823	28.5	21.4	62 E	38*	41*

185853 2000 ER_{70}

21/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
3 17	18 9.78	+ 8 8.5	2.130	2.262	26.0	21.5	84 W	51*	54*
3 27	18 17.36	+ 9 0.1	2.038	2.285	25.9	21.4	91 W	53*	55*
4 6	18 22.48	+ 9 54.0	1.943	2.305	25.5	21.3	98 W	55*	54
4 16	18 24.80	+10 46.5	1.849	2.325	24.6	21.2	105 W	56*	53
4 26	18 24.00	+11 32.3	1.757	2.342	23.3	21.1	113 W	57	52
5 6	18 19.89	+12 5.5	1.673	2.358	21.5	20.9	121 W	57	52
5 16	18 12.38	+12 18.4	1.599	2.373	19.2	20.8	129 W	57	52
5 26	18 1.75	+12 3.2	1.542	2.386	16.8	20.6	137 W	57	52
6 5	17 48.71	+11 13.3	1.505	2.398	14.6	20.5	143 W	56	53
6 15	17 34.38	+ 9 45.7	1.492	2.408	13.3	20.4	147 W	55	54
6 20	17 27.18	+ 8 48.3	1.495	2.412	13.2	20.5	147 E	54	55
6 25	17 20.19	+ 7 42.8	1.504	2.416	13.6	20.5	146 E	53	56
6 30	17 13.58	+ 6 30.4	1.521	2.420	14.2	20.5	144 E	52	57
7 5	17 7.47	+ 5 12.4	1.544	2.423	15.2	20.6	141 E	50	59
7 10	17 2.00	+ 3 50.1	1.573	2.426	16.3	20.7	138 E	49	60
7 15	16 57.25	+ 2 24.8	1.608	2.428	17.5	20.8	134 E	47	62
7 20	16 53.28	+ 0 57.8	1.648	2.430	18.7	20.9	130 E	46	63
7 25	16 50.12	− 0 29.7	1.693	2.432	19.8	21.0	126 E	45	64
7 30	16 47.77	− 1 56.7	1.743	2.433	20.8	21.1	122 E	43	66
8 4	16 46.23	− 3 22.6	1.796	2.434	21.7	21.2	117 E	42*	67
8 9	16 45.48	− 4 46.8	1.853	2.435	22.5	21.3	113 E	40*	69
8 14	16 45.48	− 6 8.7	1.912	2.435	23.2	21.3	109 E	39*	70
8 19	16 46.21	− 7 28.2	1.974	2.434	23.7	21.4	105 E	37*	71

153958 2002 AM_{31}

21/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
3 17	18 19.03	−18 0.3	1.354	1.562	39.1	21.4	82 W	26*	74*
3 22	18 34.11	−17 40.6	1.285	1.530	40.3	21.3	83 W	26*	75*
3 27	18 49.74	−17 14.8	1.219	1.497	41.5	21.1	84 W	26*	76*
4 1	19 5.97	−16 42.3	1.155	1.465	42.8	21.0	85 W	26*	76*

153958 2002 AM_{31} *(continuation)*

21/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
	h m	° ′			°	m	°	°	°
4 6	19 22.88	−16 2.5	1.093	1.432	44.2	20.9	86 W	26*	77*
4 11	19 40.51	−15 14.7	1.034	1.398	45.7	20.7	87 W	26*	77*
4 16	19 58.94	−14 18.4	0.978	1.365	47.2	20.6	87 W	27*	76*
4 21	20 18.22	−13 12.7	0.926	1.332	48.9	20.5	87 W	27*	76*
4 26	20 38.42	−11 57.2	0.878	1.298	50.7	20.4	87 W	27*	75*
5 1	20 59.61	−10 31.2	0.833	1.265	52.6	20.3	86 W	28*	73*
5 6	21 21.82	− 8 54.6	0.794	1.233	54.7	20.1	85 W	28*	72*
5 16	22 9.24	− 5 10.6	0.729	1.169	59.1	20.0	83 W	29*	68*
5 26	23 0.22	− 0 53.9	0.687	1.108	63.7	19.9	79 W	29*	64*
6 5	23 53.65	+ 3 36.6	0.668	1.053	68.0	19.8	74 W	30*	58*
6 10	0 20.75	+ 5 49.0	0.668	1.029	69.9	19.8	72 W	30*	56*
6 15	0 47.76	+ 7 55.1	0.673	1.006	71.4	19.9	70 W	30*	54*
6 20	1 14.49	+ 9 52.4	0.683	0.986	72.5	19.9	68 W	30*	51*
6 25	1 40.74	+11 38.9	0.697	0.969	73.1	19.9	66 W	31*	49*
7 5	2 31.31	+14 36.3	0.738	0.944	73.2	20.0	63 W	32*	45*
7 15	3 18.74	+16 45.6	0.789	0.934	71.7	20.1	61 W	33*	42*
7 25	4 2.79	+18 10.8	0.846	0.939	69.1	20.1	60 W	36*	40*
7 30	4 23.56	+18 39.0	0.874	0.947	67.6	20.2	60 W	37*	39*
8 4	4 43.51	+18 58.4	0.902	0.959	66.0	20.2	60 W	38*	39*
8 9	5 2.63	+19 10.0	0.929	0.974	64.3	20.3	60 W	39*	38*
8 14	5 20.93	+19 14.4	0.954	0.992	62.7	20.3	60 W	41*	38*
8 19	5 38.41	+19 12.4	0.978	1.013	61.1	20.4	61 W	42*	38*
8 24	5 55.08	+19 4.6	0.999	1.036	59.5	20.4	62 W	44*	38*
9 3	6 26.03	+18 34.9	1.035	1.088	56.7	20.5	64 W	47*	38*
9 13	6 53.78	+17 50.3	1.060	1.147	54.1	20.6	67 W	50*	39*
9 23	7 18.34	+16 56.2	1.073	1.210	51.7	20.7	71 W	53*	40*
10 3	7 39.73	+15 57.0	1.074	1.275	49.5	20.7	76 W	56*	42*
10 13	7 57.81	+14 57.5	1.064	1.342	47.3	20.8	81 W	58*	44*
10 23	8 12.41	+14 2.1	1.044	1.408	44.9	20.8	87 W	59*	46*
11 2	8 23.27	+13 15.2	1.015	1.474	42.1	20.7	95 W	58	49*
11 12	8 29.92	+12 41.7	0.980	1.539	38.8	20.6	103 W	58	51*
11 22	8 31.91	+12 26.2	0.943	1.603	34.8	20.5	112 W	57	52
12 2	8 28.76	+12 32.8	0.907	1.665	29.8	20.4	123 W	58	51
12 12	8 20.24	+13 3.8	0.880	1.725	23.7	20.2	135 W	58	51
12 22	8 6.83	+13 57.7	0.867	1.782	16.7	20.0	149 W	59	50
12 27	7 58.68	+14 31.3	0.868	1.810	13.0	19.9	156 W	60	49
1 1	7 49.91	+15 7.9	0.876	1.838	9.2	19.8	163 W	60	49
1 6	7 40.83	+15 46.0	0.889	1.865	5.5	19.7	169 W	61	48
1 11	7 31.81	+16 24.3	0.910	1.891	2.9	19.7	174 W	61	48
1 16	7 23.18	+17 1.6	0.937	1.917	3.8	19.8	173 E	62	47
1 21	7 15.22	+17 36.9	0.971	1.942	6.8	20.1	167 E	63	46

363267 2002 GS

21/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
3 17	18 22.44	−21 57.8	0.660	1.106	62.8	21.4	81 W	21*	75*
3 22	18 53.89	−24 0.6	0.632	1.073	65.7	21.4	79 W	18*	73*
3 27	19 28.25	−25 46.6	0.612	1.041	68.7	21.3	76 W	15*	70*
4 1	20 5.06	−27 5.8	0.600	1.010	71.7	21.3	74 W	12*	67*
4 6	20 43.44	−27 49.3	0.596	0.979	74.5	21.3	70 W	8*	64*
4 11	21 22.15	−27 51.7	0.602	0.950	76.9	21.4	67 W	5*	60*
4 16	21 59.87	−27 12.6	0.616	0.922	78.7	21.4	64 W	2*	56*
4 21	22 35.53	−25 56.1	0.637	0.896	80.0	21.5	61 W	—	53*

286168 2001 UY_{11}

21/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
3 17	18 23.59	−19 54.7	1.995	2.082	28.1	21.4	81 W	23*	74*
3 27	18 41.60	−18 59.9	1.849	2.045	29.1	21.3	86 W	24*	78*
4 6	18 58.73	−17 52.5	1.705	2.008	29.9	21.1	92 W	26*	81*
4 16	19 14.78	−16 33.0	1.564	1.971	30.3	20.9	98 W	27*	81
4 26	19 29.49	−15 2.1	1.429	1.935	30.3	20.6	104 W	29*	79
5 6	19 42.61	−13 20.7	1.300	1.899	29.9	20.4	110 W	31*	77
5 16	19 53.79	−11 30.4	1.178	1.863	29.1	20.1	116 W	33*	76
5 26	20 2.69	− 9 33.4	1.065	1.829	27.6	19.8	123 W	35*	74
6 5	20 8.92	− 7 32.7	0.963	1.795	25.5	19.5	130 W	37	72
6 15	20 12.10	− 5 32.8	0.872	1.763	22.8	19.1	138 W	39	70
6 20	20 12.47	− 4 35.2	0.832	1.747	21.1	18.9	142 W	40	69
6 25	20 12.01	− 3 40.4	0.796	1.732	19.4	18.8	145 W	41	68
6 30	20 10.75	− 2 49.4	0.763	1.717	17.6	18.6	149 W	42	67
7 5	20 8.71	− 2 3.4	0.734	1.703	15.8	18.4	153 W	43	66
7 10	20 5.99	− 1 23.7	0.709	1.689	14.2	18.3	156 W	44	65
7 15	20 2.73	− 0 51.4	0.689	1.676	12.9	18.2	158 W	44	65
7 20	19 59.09	− 0 27.3	0.672	1.663	12.2	18.1	160 W	45	64
7 25	19 55.30	− 0 12.2	0.660	1.651	12.3	18.0	160 E	45	64
8 4	19 48.11	− 0 9.2	0.649	1.629	14.7	18.0	156 E	45	64
8 14	19 42.94	− 0 40.2	0.654	1.610	18.8	18.2	149 E	44	65
8 24	19 41.32	− 1 36.4	0.673	1.594	23.2	18.4	142 E	43	66

21/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
		286168 2001 UY_{11}				*(continuation)*			
	h m	° ′			°	m	°	°	°
8 29	19 42.09	− 2 10.4	0.687	1.587	25.3	18.5	138 E	43	66
9 3	19 43.97	− 2 46.6	0.704	1.581	27.3	18.6	134 E	42	67
9 8	19 46.97	− 3 23.6	0.723	1.576	29.1	18.7	130 E	42	67
9 13	19 51.07	− 4 0.0	0.745	1.572	30.8	18.8	127 E	41	68
9 18	19 56.24	− 4 34.7	0.769	1.568	32.2	18.9	124 E	40	69
9 23	20 2.37	− 5 6.7	0.796	1.566	33.5	19.0	121 E	40	69
10 3	20 17.26	− 6 0.2	0.854	1.564	35.5	19.2	115 E	39	70
10 13	20 35.12	− 6 35.7	0.919	1.565	36.9	19.4	109 E	38	71
10 23	20 55.30	− 6 50.6	0.991	1.571	37.8	19.6	105 E	38	71
11 2	21 17.16	− 6 43.9	1.069	1.580	38.2	19.8	100 E	38	71*
11 12	21 40.21	− 6 16.1	1.153	1.592	38.2	20.0	96 E	39	69*
11 22	22 3.99	− 5 28.6	1.243	1.608	37.9	20.1	91 E	40	66*
12 2	22 28.13	− 4 23.7	1.339	1.627	37.3	20.3	87 E	41	61*
12 12	22 52.42	− 3 4.0	1.440	1.648	36.4	20.5	83 E	42	57*
12 22	23 16.67	− 1 32.5	1.546	1.673	35.3	20.6	79 E	43	52*
1 1	23 40.75	+ 0 7.8	1.655	1.699	34.1	20.8	75 E	45*	47*
1 11	0 4.63	+ 1 54.2	1.769	1.728	32.6	20.9	71 E	46*	43*
1 21	0 28.28	+ 3 43.8	1.885	1.759	31.1	21.0	67 E	47*	39*
		494710 2005 MO_{13}							
3 17	18 51.53	−16 54.3	0.307	0.957	88.0	21.2	74 W	25*	66*
3 22	18 47.05	−15 9.5	0.301	0.989	82.6	21.1	80 W	27*	71*
3 27	18 42.58	−13 19.4	0.293	1.019	77.5	20.9	86 W	30*	74*
4 1	18 37.57	−11 22.6	0.284	1.047	72.5	20.7	92 W	33*	75*
4 6	18 31.46	− 9 17.6	0.273	1.073	67.5	20.5	98 W	35*	73
4 11	18 23.70	− 7 2.9	0.262	1.096	62.3	20.3	104 W	38*	71
4 16	18 13.72	− 4 37.6	0.250	1.118	56.9	20.1	111 W	40	69
4 21	18 1.05	− 2 2.0	0.239	1.137	51.1	19.9	118 W	43	66
4 26	17 45.30	+ 0 42.0	0.229	1.155	45.1	19.6	126 W	46	63
5 1	17 26.31	+ 3 29.8	0.221	1.170	38.9	19.4	133 W	48	61
5 6	17 4.23	+ 6 13.2	0.216	1.183	33.1	19.2	140 W	51	58
5 8	16 54.66	+ 7 14.9	0.215	1.188	31.1	19.2	143 W	52	57
5 10	16 44.78	+ 8 13.3	0.215	1.192	29.3	19.1	145 W	53	56
5 12	16 34.66	+ 9 7.5	0.216	1.196	27.8	19.1	146 W	54	55
5 14	16 24.41	+ 9 57.0	0.217	1.199	26.7	19.1	148 W	55	54
5 16	16 14.13	+10 41.2	0.219	1.203	26.1	19.1	148 W	56	53
5 21	15 49.01	+12 5.7	0.226	1.210	26.5	19.2	148 E	57	52
5 26	15 25.85	+12 52.7	0.238	1.214	29.1	19.4	144 E	58	51
5 31	15 5.60	+13 6.0	0.254	1.217	33.0	19.6	139 E	58	51
6 5	14 48.73	+12 51.7	0.272	1.218	37.2	19.9	134 E	58	51
6 10	14 35.27	+12 16.6	0.292	1.217	41.2	20.2	128 E	57	52
6 15	14 25.00	+11 26.7	0.314	1.213	45.0	20.4	122 E	56	53
6 20	14 17.54	+10 26.8	0.337	1.208	48.4	20.7	117 E	55*	54
6 25	14 12.47	+ 9 20.8	0.360	1.200	51.5	20.9	112 E	54*	55
6 30	14 9.37	+ 8 10.8	0.382	1.191	54.4	21.1	108 E	52*	56
7 5	14 7.91	+ 6 58.4	0.404	1.179	57.0	21.3	104 E	49*	57
7 10	14 7.82	+ 5 44.6	0.425	1.165	59.4	21.4	100 E	46*	58
		290070 2005 QG_{71}							
3 17	19 0.66	−29 32.5	1.843	1.824	31.5	21.4	73 W	12*	67*
3 22	19 14.00	−29 26.2	1.779	1.804	32.3	21.3	75 W	12*	69*
3 27	19 27.39	−29 16.2	1.716	1.784	33.1	21.2	77 W	12*	71*
4 1	19 40.82	−29 2.3	1.653	1.765	33.8	21.1	79 W	12*	73*
4 6	19 54.27	−28 44.7	1.591	1.745	34.5	21.0	81 W	12*	74*
4 11	20 7.71	−28 23.4	1.531	1.726	35.2	21.0	83 W	12*	76*
4 16	20 21.12	−27 58.3	1.472	1.707	35.8	20.9	85 W	12*	78*
4 21	20 34.49	−27 29.6	1.414	1.689	36.5	20.8	87 W	12*	80*
4 26	20 47.79	−26 57.2	1.358	1.670	37.0	20.7	89 W	13*	82*
5 1	21 1.01	−26 21.4	1.303	1.653	37.6	20.6	90 W	13*	84*
5 6	21 14.14	−25 42.0	1.249	1.636	38.0	20.5	92 W	13*	86*
5 16	21 39.96	−24 13.8	1.147	1.603	38.9	20.3	96 W	15*	88
5 26	22 5.05	−22 33.6	1.051	1.572	39.5	20.1	99 W	17*	87
6 5	22 29.22	−20 43.1	0.962	1.544	39.9	19.8	103 W	19*	85
6 15	22 52.14	−18 44.1	0.880	1.520	39.9	19.6	106 W	22*	83
6 25	23 13.47	−16 38.7	0.805	1.499	39.5	19.4	110 W	25*	81
7 5	23 32.84	−14 29.0	0.736	1.482	38.6	19.1	114 W	29*	78
7 15	23 49.68	−12 17.5	0.674	1.469	37.2	18.9	119 W	32*	76
7 25	0 3.39	−10 6.2	0.619	1.460	34.9	18.6	125 W	35	74
8 4	0 13.33	− 7 57.1	0.572	1.456	31.7	18.4	131 W	37	72
8 14	0 18.77	− 5 52.2	0.533	1.456	27.4	18.1	139 W	39	70
8 24	0 19.39	− 3 52.8	0.504	1.462	21.9	17.8	147 W	41	68
9 3	0 15.35	− 2 0.9	0.488	1.471	15.2	17.5	157 W	43	66
9 13	0 7.69	− 0 18.9	0.486	1.485	7.8	17.2	168 W	45	64
9 23	23 58.52	+ 1 12.3	0.500	1.503	0.9	16.9	179 E	46	63
10 3	23 50.16	+ 2 32.7	0.531	1.525	7.5	17.5	169 E	48	61
10 13	23 44.58	+ 3 44.7	0.580	1.550	14.1	18.0	158 E	49	60
10 23	23 42.87	+ 4 52.7	0.644	1.579	19.5	18.4	148 E	50	59
11 2	23 45.15	+ 6 0.4	0.723	1.610	23.9	18.8	139 E	51	58
11 12	23 51.08	+ 7 10.6	0.815	1.643	27.1	19.2	131 E	52	57

21/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
		290070 2005 QG_{71}				*(continuation)*			
	h m	° ′			°	m	°	°	°
11 22	0 0.09	+ 8 25.3	0.917	1.678	29.4	19.6	123 E	53	56
12 2	0 11.54	+ 9 44.7	1.030	1.715	30.9	20.0	117 E	55	54
12 12	0 24.95	+11 8.5	1.152	1.753	31.8	20.3	110 E	56	53*
12 22	0 39.90	+12 36.1	1.280	1.793	32.2	20.6	104 E	58	50*
1 1	0 56.04	+14 6.1	1.415	1.833	32.1	20.8	98 E	59	47*
1 11	1 13.16	+15 37.3	1.554	1.873	31.6	21.1	92 E	61	43*
1 21	1 31.06	+17 8.5	1.697	1.914	30.9	21.3	87 E	62	39*
		452592 2005 JJ_{177}							
3 17	19 8.06	−16 58.5	1.534	1.518	38.1	21.5	70 W	23*	63*
3 27	19 40.03	−16 33.6	1.443	1.485	39.8	21.3	72 W	23*	65*
4 6	20 12.50	−15 52.9	1.360	1.455	41.5	21.2	74 W	22*	67*
4 16	20 45.23	−14 57.8	1.283	1.429	43.0	21.1	76 W	22*	69*
4 26	21 18.01	−13 50.8	1.215	1.408	44.4	21.0	78 W	21*	70*
5 6	21 50.61	−12 35.1	1.153	1.392	45.5	20.9	80 W	21*	72*
5 16	22 22.74	−11 14.5	1.098	1.381	46.4	20.8	82 W	22*	72*
5 26	22 54.12	− 9 53.6	1.049	1.375	47.1	20.7	84 W	22*	73*
6 5	23 24.46	− 8 36.7	1.005	1.376	47.4	20.6	86 W	24*	72*
6 15	23 53.43	− 7 28.7	0.966	1.381	47.3	20.5	88 W	26*	71*
6 25	0 20.65	− 6 34.0	0.930	1.392	46.9	20.4	91 W	28*	71
7 5	0 45.79	− 5 56.1	0.896	1.409	46.0	20.4	95 W	31*	70
7 15	1 8.38	− 5 38.5	0.864	1.430	44.6	20.3	99 W	34*	70
7 25	1 27.98	− 5 43.4	0.834	1.456	42.7	20.2	103 W	37*	70
8 4	1 44.08	− 6 11.8	0.805	1.486	40.2	20.1	109 W	38*	70
8 14	1 56.08	− 7 3.7	0.778	1.519	37.0	20.0	115 W	38	71
8 24	2 3.46	− 8 16.2	0.755	1.555	33.1	19.8	123 W	37	72
8 29	2 5.29	− 8 58.6	0.746	1.574	30.9	19.8	127 W	36	73
9 3	2 5.83	− 9 43.7	0.738	1.594	28.5	19.7	131 W	35	74
9 8	2 5.07	−10 30.3	0.733	1.614	26.0	19.6	135 W	34	75
9 13	2 3.05	−11 16.5	0.731	1.635	23.4	19.6	140 W	34	75
9 18	1 59.89	−12 0.4	0.732	1.656	20.7	19.5	144 W	33	76
9 23	1 55.72	−12 40.0	0.737	1.677	18.2	19.5	149 W	32	77
9 28	1 50.72	−13 13.7	0.746	1.699	15.9	19.5	152 W	32	77
10 3	1 45.13	−13 39.5	0.760	1.721	14.0	19.5	155 W	31	78
10 8	1 39.20	−13 56.3	0.778	1.743	12.8	19.5	157 W	31	78
10 13	1 33.23	−14 3.0	0.801	1.765	12.4	19.6	158 W	31	78
10 18	1 27.48	−13 59.5	0.829	1.788	12.8	19.7	156 E	31	78
10 23	1 22.17	−13 45.9	0.863	1.810	13.9	19.9	154 E	31	78
10 28	1 17.49	−13 23.1	0.901	1.833	15.4	20.0	151 E	32	77
11 2	1 13.55	−12 52.0	0.944	1.856	17.0	20.2	147 E	32	77
11 7	1 10.46	−12 13.6	0.991	1.878	18.6	20.4	143 E	33	76
11 12	1 8.25	−11 29.0	1.043	1.901	20.2	20.6	138 E	34	75
11 17	1 6.94	−10 39.4	1.099	1.924	21.6	20.8	134 E	34	75
11 22	1 6.48	− 9 45.7	1.158	1.946	22.9	21.0	130 E	35	74
11 27	1 6.83	− 8 49.0	1.221	1.969	24.0	21.1	126 E	36	73
12 2	1 7.93	− 7 50.0	1.287	1.991	24.9	21.3	122 E	37	72
12 7	1 9.75	− 6 49.1	1.356	2.014	25.6	21.5	118 E	38	71
		97886 2000 QK_{54}							
3 17	19 17.59	−27 56.3	2.481	2.323	23.6	21.4	69 W	12*	63*
3 27	19 35.69	−27 35.0	2.329	2.287	24.9	21.3	75 W	13*	69*
4 6	19 53.12	−27 9.5	2.175	2.249	26.1	21.1	81 W	13*	75*
4 16	20 9.74	−26 41.1	2.022	2.212	26.9	21.0	87 W	14*	81*
4 26	20 25.36	−26 11.4	1.870	2.174	27.5	20.8	93 W	15*	87*
5 6	20 39.80	−25 42.1	1.720	2.135	27.8	20.6	100 W	16*	90
5 16	20 52.80	−25 15.3	1.575	2.097	27.6	20.3	106 W	17*	89
5 26	21 4.06	−24 53.1	1.436	2.058	26.9	20.1	113 W	19*	89
6 5	21 13.22	−24 37.4	1.304	2.020	25.6	19.8	121 W	20*	89
6 15	21 19.82	−24 30.3	1.182	1.981	23.6	19.5	129 W	20*	89
6 25	21 23.37	−24 32.9	1.071	1.943	20.9	19.1	137 W	20	89
7 5	21 23.45	−24 44.5	0.974	1.906	17.2	18.8	146 W	20	89
7 15	21 19.72	−25 2.4	0.893	1.869	12.7	18.4	156 W	20	89
7 20	21 16.46	−25 11.8	0.860	1.851	10.2	18.2	161 W	20	89
7 25	21 12.39	−25 20.3	0.831	1.833	7.7	18.0	166 W	20	89
7 30	21 7.62	−25 26.6	0.807	1.815	5.5	17.8	170 W	20	89
8 4	21 2.33	−25 29.6	0.788	1.798	4.7	17.7	172 W	20	89
8 9	20 56.76	−25 28.3	0.775	1.781	5.9	17.7	170 E	20	89
8 14	20 51.20	−25 21.8	0.766	1.765	8.5	17.7	165 E	20	89
8 19	20 45.92	−25 9.6	0.763	1.749	11.4	17.8	160 E	20	89
8 24	20 41.20	−24 51.6	0.764	1.733	14.5	17.9	155 E	20	89
8 29	20 37.25	−24 28.1	0.770	1.718	17.4	18.0	149 E	21	88
9 3	20 34.25	−23 59.4	0.780	1.703	20.3	18.1	144 E	21	88
9 8	20 32.36	−23 26.0	0.793	1.689	23.0	18.2	139 E	22	87
9 13	20 31.64	−22 48.5	0.810	1.676	25.4	18.3	134 E	22	87
9 23	20 33.82	−21 23.2	0.851	1.650	29.7	18.5	125 E	24	85
10 3	20 40.50	−19 46.3	0.901	1.628	33.0	18.7	118 E	25	84
10 13	20 51.19	−17 59.3	0.958	1.609	35.5	18.9	111 E	27	82
10 23	21 5.22	−16 2.3	1.019	1.593	37.2	19.1	105 E	29	80
11 2	21 21.90	−13 55.4	1.084	1.580	38.3	19.2	99 E	31	78*
11 12	21 40.72	−11 38.3	1.152	1.571	38.9	19.3	94 E	33	74*

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21/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
	h m	° ′			°	m	°	°	°
11 22	22 1.16	− 9 11.6	1.223	1.566	39.1	19.5	90 E	36	68*
12 2	22 22.83	− 6 36.3	1.297	1.565	38.9	19.6	85 E	38	62*
12 12	22 45.46	− 3 53.6	1.374	1.568	38.4	19.7	81 E	41	56*
12 22	23 8.82	− 1 5.6	1.454	1.574	37.6	19.8	78 E	44	50*
1 1	23 32.73	+ 1 45.5	1.538	1.584	36.7	19.9	74 E	47*	44*
1 11	23 57.11	+ 4 37.4	1.624	1.598	35.5	20.0	71 E	49*	39*
1 21	0 21.86	+ 7 27.4	1.713	1.616	34.2	20.1	67 E	50*	35*

171465 Evamaria

3 17	19 25.35	−12 51.1	4.109	3.807	13.8	21.5	66 W	25*	57*
3 27	19 34.01	−12 19.3	3.953	3.788	14.6	21.4	73 W	27*	64*
4 6	19 41.65	−11 46.7	3.792	3.768	15.2	21.3	81 W	29*	70*
4 16	19 48.12	−11 14.5	3.628	3.749	15.5	21.2	89 W	30*	75*
4 26	19 53.28	−10 44.0	3.464	3.729	15.5	21.1	97 W	32*	75
5 6	19 56.97	−10 16.5	3.304	3.709	15.2	21.0	106 W	33*	74
5 16	19 59.06	− 9 53.5	3.150	3.690	14.4	20.8	115 W	35*	74
5 26	19 59.44	− 9 36.6	3.006	3.670	13.2	20.7	124 W	35*	74
6 5	19 58.09	− 9 27.1	2.876	3.650	11.6	20.5	134 W	36	73
6 15	19 55.03	− 9 26.2	2.765	3.631	9.6	20.3	143 W	36	73
6 25	19 50.44	− 9 34.8	2.674	3.611	7.3	20.2	153 W	35	74
7 5	19 44.65	− 9 52.9	2.609	3.592	4.8	20.0	163 W	35	74
7 15	19 38.11	−10 19.7	2.570	3.573	3.2	19.8	169 W	35	74
7 25	19 31.43	−10 53.9	2.560	3.553	4.0	19.9	166 E	34	75
8 4	19 25.20	−11 33.3	2.577	3.534	6.4	20.0	157 E	33	76
8 14	19 20.00	−12 15.7	2.620	3.515	8.9	20.1	147 E	33	76
8 24	19 16.31	−12 58.6	2.686	3.496	11.3	20.3	137 E	32	77
9 3	19 14.43	−13 40.1	2.772	3.478	13.3	20.4	127 E	31	78
9 13	19 14.51	−14 18.5	2.873	3.459	14.9	20.5	118 E	31	78
9 23	19 16.59	−14 52.6	2.987	3.441	16.0	20.6	109 E	30	79
10 3	19 20.57	−15 21.2	3.108	3.422	16.7	20.7	100 E	30	79
10 13	19 26.35	−15 43.8	3.233	3.404	17.0	20.8	91 E	29	78*
10 23	19 33.74	−15 59.6	3.359	3.387	17.0	20.9	83 E	29*	72*
11 2	19 42.56	−16 8.3	3.483	3.369	16.5	20.9	75 E	29*	64*
11 12	19 52.63	−16 9.7	3.602	3.352	15.8	21.0	68 E	28*	56*
11 22	20 3.77	−16 3.4	3.714	3.335	14.9	21.0	60 E	28*	48*
12 2	20 15.80	−15 49.6	3.818	3.319	13.7	21.0	53 E	27*	40*
12 12	20 28.58	−15 28.2	3.911	3.302	12.4	21.0	46 E	25*	32*
12 22	20 41.96	−14 59.5	3.992	3.286	10.9	21.0	39 E	23*	25*
1 1	20 55.82	−14 23.8	4.061	3.271	9.2	20.9	32 E	20*	18*
1 11	21 10.03	−13 41.5	4.116	3.256	7.5	20.9	26 E	16*	12*
1 21	21 24.50	−12 53.0	4.156	3.241	5.7	20.8	19 E	11*	6*

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3 17	19 42.31	+ 6 23.7	2.595	2.292	22.4	21.4	61 W	40*	42*
3 27	19 57.20	+ 7 49.7	2.482	2.274	23.7	21.4	66 W	42*	46*
4 6	20 11.23	+ 9 22.4	2.364	2.253	24.9	21.3	71 W	44*	49*
4 16	20 24.26	+11 0.9	2.241	2.230	25.9	21.2	76 W	47*	51*
4 26	20 36.14	+12 43.1	2.114	2.206	26.8	21.1	82 W	50*	51*
5 6	20 46.70	+14 27.3	1.984	2.180	27.5	20.9	87 W	53*	50
5 16	20 55.71	+16 11.1	1.852	2.152	28.0	20.7	93 W	56*	48
5 26	21 2.89	+17 51.2	1.720	2.123	28.2	20.6	99 W	60*	46
6 5	21 7.93	+19 23.4	1.589	2.092	28.0	20.3	105 W	63*	45
6 10	21 9.51	+20 4.9	1.525	2.075	27.7	20.2	108 W	65*	44
6 15	21 10.41	+20 42.1	1.461	2.059	27.4	20.1	111 W	66*	43
6 20	21 10.56	+21 13.9	1.398	2.042	26.9	20.0	115 W	66	43
6 25	21 9.94	+21 39.2	1.337	2.024	26.3	19.9	118 W	67	42
6 30	21 8.49	+21 56.5	1.278	2.006	25.6	19.7	121 W	67	42
7 5	21 6.17	+22 4.4	1.221	1.988	24.7	19.6	125 W	67	42
7 10	21 2.98	+22 0.9	1.167	1.969	23.8	19.4	129 W	67	42
7 15	20 58.92	+21 44.1	1.115	1.950	22.7	19.3	132 W	67	42
7 20	20 54.06	+21 12.0	1.067	1.931	21.5	19.1	136 W	66	43
7 25	20 48.48	+20 23.0	1.023	1.911	20.3	19.0	139 W	65	44
7 30	20 42.30	+19 15.6	0.984	1.891	19.2	18.8	142 W	64	45
8 4	20 35.70	+17 48.5	0.949	1.870	18.4	18.7	145 E	63	46
8 9	20 28.89	+16 1.4	0.920	1.850	17.8	18.6	146 E	61	48
8 14	20 22.12	+13 55.0	0.896	1.828	17.8	18.5	147 E	59	50
8 19	20 15.66	+11 31.1	0.878	1.807	18.4	18.5	146 E	57	52
8 24	20 9.74	+ 8 52.6	0.867	1.785	19.6	18.4	144 E	54	55
8 29	20 4.57	+ 6 3.0	0.861	1.763	21.3	18.4	141 E	51	58
9 3	20 0.33	+ 3 6.5	0.862	1.741	23.3	18.5	137 E	48	61
9 8	19 57.16	+ 0 7.2	0.868	1.718	25.6	18.5	133 E	45	64
9 13	19 55.18	− 2 50.8	0.879	1.695	27.9	18.6	128 E	42	67
9 18	19 54.42	− 5 44.3	0.895	1.672	30.2	18.7	123 E	39	70
9 23	19 54.90	− 8 30.5	0.915	1.649	32.3	18.8	118 E	36	73
9 28	19 56.60	−11 7.7	0.938	1.626	34.3	18.8	114 E	34	75
10 3	19 59.48	−13 34.6	0.963	1.602	36.1	18.9	109 E	31	78
10 13	20 8.66	−17 55.3	1.020	1.556	39.0	19.1	101 E	27	82
10 23	20 22.02	−21 31.5	1.080	1.509	41.2	19.2	93 E	23	84*
11 2	20 39.06	−24 25.0	1.139	1.463	42.6	19.3	86 E	21	79*

54686 2001 DU_8 *(continuation)*

21/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
	h m	° ′			°	m	°	°	°
11 7	20 48.83	−25 36.7	1.168	1.440	43.1	19.3	83 E	19	76*
11 12	20 59.38	−26 38.7	1.195	1.417	43.5	19.3	80 E	18	74*
11 17	21 10.63	−27 31.4	1.221	1.395	43.8	19.3	78 E	17	71*
11 22	21 22.55	−28 15.1	1.245	1.374	44.0	19.4	75 E	17	68*
11 27	21 35.08	−28 50.0	1.268	1.353	44.1	19.4	73 E	16	66*
12 2	21 48.19	−29 16.1	1.288	1.332	44.2	19.4	70 E	16	64*
12 7	22 1.84	−29 33.7	1.306	1.313	44.2	19.4	68 E	15	61*
12 12	22 15.99	−29 42.8	1.322	1.294	44.2	19.4	66 E	15	59*
12 17	22 30.59	−29 43.5	1.336	1.276	44.2	19.4	65 E	15*	58*
12 22	22 45.62	−29 35.9	1.347	1.259	44.2	19.3	63 E	15*	56*
12 27	23 1.03	−29 19.9	1.356	1.244	44.2	19.3	62 E	16*	55*
1 1	23 16.80	−28 55.5	1.363	1.229	44.2	19.3	61 E	16*	53*
1 6	23 32.91	−28 22.5	1.368	1.216	44.3	19.3	60 E	16*	52*
1 11	23 49.33	−27 41.1	1.370	1.205	44.3	19.3	59 E	17*	51*
1 16	0 6.02	−26 51.1	1.371	1.195	44.4	19.3	58 E	17*	51*
1 21	0 22.96	−25 52.5	1.371	1.186	44.5	19.3	58 E	18*	50*

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3 17	20 5.46	−25 16.7	2.228	1.903	26.4	21.4	58 W	10*	52*
3 27	20 24.31	−22 50.3	2.083	1.863	28.6	21.3	63 W	12*	57*
4 6	20 42.51	−20 3.2	1.932	1.820	30.7	21.2	68 W	15*	62*
4 16	21 0.06	−16 52.2	1.779	1.774	32.8	21.0	73 W	18*	67*
4 26	21 16.99	−13 12.9	1.625	1.726	34.8	20.8	78 W	22*	70*
5 6	21 33.37	− 8 58.9	1.472	1.676	36.7	20.5	83 W	27*	71*
5 16	21 49.27	− 4 2.3	1.324	1.623	38.5	20.3	87 W	32*	68*
5 21	21 57.07	− 1 14.9	1.252	1.596	39.4	20.2	89 W	35*	65
5 26	22 4.81	+ 1 47.1	1.183	1.568	40.2	20.0	91 W	39*	62
5 31	22 12.51	+ 5 5.3	1.117	1.540	41.1	19.9	92 W	43*	59
6 5	22 20.22	+ 8 41.2	1.053	1.511	42.1	19.7	94 W	47*	55
6 10	22 27.97	+12 36.4	0.994	1.482	43.0	19.6	95 W	51*	51
6 15	22 35.83	+16 51.9	0.939	1.452	44.1	19.5	96 W	56*	47
6 25	22 52.25	+26 25.7	0.844	1.392	46.5	19.2	96 W	68*	38
7 5	23 10.71	+37 17.1	0.772	1.331	49.5	19.0	95 W	80*	27
7 15	23 33.66	+48 59.1	0.726	1.270	53.1	18.9	92 W	86*	15
7 17	23 39.21	+51 21.5	0.720	1.258	53.9	18.9	91 W	84*	13
7 19	23 45.22	+53 43.4	0.714	1.245	54.7	18.8	90 W	81*	10
7 21	23 51.81	+56 4.4	0.710	1.233	55.5	18.8	89 W	79	8
7 23	23 59.08	+58 24.0	0.707	1.221	56.3	18.8	88 W	77	6
7 25	0 7.18	+60 41.4	0.705	1.209	57.1	18.8	87 W	74	3
7 26	0 11.60	+61 49.2	0.704	1.203	57.5	18.8	87 W	73	2
7 27	0 16.30	+62 56.2	0.703	1.197	57.9	18.8	86 W	72	1
7 28	0 21.31	+64 2.3	0.703	1.191	58.2	18.8	86 W	71	—
7 29	0 26.67	+65 7.6	0.703	1.185	58.6	18.8	85 W	70	—
7 30	0 32.42	+66 11.8	0.703	1.179	59.0	18.8	85 W	69	—
7 31	0 38.59	+67 14.8	0.703	1.173	59.4	18.8	84 W	68	—
8 1	0 45.25	+68 16.6	0.703	1.167	59.8	18.8	83 W	67	—
8 2	0 52.45	+69 16.9	0.703	1.161	60.1	18.8	83 W	66	—
8 3	1 0.25	+70 15.8	0.704	1.156	60.5	18.8	82 W	65*	—
8 4	1 8.72	+71 12.8	0.705	1.150	60.9	18.8	82 W	64*	—
8 5	1 17.93	+72 8.0	0.706	1.144	61.2	18.8	81 W	63*	—
8 6	1 27.98	+73 1.1	0.707	1.138	61.6	18.8	81 W	62*	—
8 7	1 38.96	+73 51.7	0.708	1.132	61.9	18.8	80 W	61*	—
8 8	1 50.94	+74 39.8	0.709	1.127	62.2	18.8	80 W	60*	—
8 9	2 4.02	+75 24.8	0.711	1.121	62.6	18.8	79 W	59*	—
8 10	2 18.29	+76 6.6	0.712	1.116	62.9	18.8	78 W	59*	—
8 11	2 33.79	+76 44.7	0.714	1.110	63.2	18.8	78 W	58*	—
8 12	2 50.56	+77 18.8	0.716	1.104	63.5	18.8	77 W	57*	—
8 13	3 8.58	+77 48.4	0.718	1.099	63.8	18.8	77 W	56*	—
8 14	3 27.77	+78 13.1	0.720	1.094	64.1	18.9	76 W	56*	—
8 15	3 47.97	+78 32.5	0.722	1.088	64.4	18.9	76 W	55*	—
8 16	4 8.96	+78 46.5	0.724	1.083	64.7	18.9	75 W	54*	—
8 17	4 30.43	+78 54.7	0.726	1.078	64.9	18.9	75 W	54*	—
8 18	4 52.03	+78 57.2	0.728	1.072	65.2	18.9	74 W	53*	—
8 19	5 13.41	+78 54.0	0.730	1.067	65.4	18.9	74 W	53*	—
8 20	5 34.23	+78 45.4	0.732	1.062	65.7	18.9	73 W	52*	—
8 21	5 54.20	+78 31.7	0.735	1.057	65.9	18.9	73 W	52*	—
8 22	6 13.11	+78 13.3	0.737	1.052	66.2	18.9	72 W	51*	—
8 23	6 30.82	+77 50.7	0.739	1.047	66.4	18.9	72 W	51*	—
8 24	6 47.26	+77 24.4	0.742	1.042	66.6	18.9	71 W	50*	—
8 25	7 2.42	+76 54.9	0.744	1.037	66.8	18.9	71 W	50*	—
8 26	7 16.35	+76 22.6	0.747	1.033	67.0	18.9	70 W	49*	—
8 27	7 29.11	+75 47.9	0.749	1.028	67.2	18.9	70 W	49*	—
8 28	7 40.77	+75 11.2	0.751	1.024	67.4	18.9	69 W	49*	—
8 29	7 51.43	+74 32.7	0.754	1.019	67.5	18.9	69 W	49*	—
8 30	8 1.18	+73 52.8	0.756	1.015	67.7	18.9	68 W	48*	—
8 31	8 10.11	+73 11.6	0.759	1.010	67.9	18.9	68 W	48*	—
9 1	8 18.29	+72 29.3	0.761	1.006	68.0	18.9	68 W	48*	—
9 2	8 25.81	+71 46.2	0.763	1.002	68.2	18.9	67 W	48*	—
9 3	8 32.74	+71 2.2	0.766	0.998	68.3	18.9	67 W	47*	—

294739 2008 *CM* *(continuation)*

21/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
	h m	° ′			°	m	°	°	°
9 4	8 39.13	+70 17.7	0.768	0.994	68.5	18.9	66 W	47*	—
9 5	8 45.04	+69 32.6	0.770	0.990	68.6	18.9	66 W	47*	—
9 6	8 50.53	+68 47.0	0.772	0.986	68.7	18.9	66 W	47*	—
9 7	8 55.63	+68 0.9	0.775	0.982	68.8	18.9	65 W	47*	—
9 8	9 0.38	+67 14.5	0.777	0.979	68.9	18.9	65 W	47*	—
9 9	9 4.82	+66 27.8	0.779	0.975	69.0	18.9	65 W	47*	—
9 10	9 8.98	+65 40.8	0.781	0.972	69.1	18.9	64 W	47*	—
9 11	9 12.88	+64 53.6	0.783	0.969	69.2	18.9	64 W	47*	—
9 12	9 16.56	+64 6.1	0.785	0.966	69.3	18.9	64 W	47*	—
9 13	9 20.02	+63 18.4	0.787	0.963	69.4	18.9	64 W	47*	—
9 15	9 26.40	+61 42.4	0.790	0.957	69.5	18.9	63 W	47*	—
9 17	9 32.15	+60 5.6	0.794	0.952	69.7	18.9	63 W	47*	—
9 19	9 37.38	+58 28.1	0.797	0.947	69.8	18.9	62 W	48*	—
9 21	9 42.17	+56 49.9	0.800	0.942	69.8	18.9	62 W	48*	—
9 23	9 46.59	+55 11.0	0.802	0.939	69.9	18.9	61 W	49*	—
9 25	9 50.71	+53 31.4	0.805	0.935	69.9	18.9	61 W	49*	—
9 27	9 54.57	+51 51.0	0.807	0.933	69.9	18.9	61 W	49*	—
9 29	9 58.21	+50 9.9	0.809	0.930	69.9	18.9	61 W	50*	—
10 1	10 1.66	+48 27.9	0.810	0.929	69.9	18.9	61 W	51*	—
10 3	10 4.95	+46 45.2	0.812	0.928	69.9	18.9	61 W	51*	—
10 8	10 12.60	+42 24.8	0.814	0.928	69.7	18.9	61 W	53*	3*
10 13	10 19.65	+37 59.2	0.815	0.931	69.4	18.9	61 W	54*	6*
10 18	10 26.26	+33 28.1	0.814	0.937	68.9	18.9	61 W	55*	11*
10 23	10 32.57	+28 51.8	0.813	0.947	68.3	18.9	62 W	56*	15*
10 28	10 38.64	+24 10.9	0.811	0.961	67.6	18.9	63 W	56*	20*
11 2	10 44.50	+19 25.8	0.808	0.977	66.8	18.9	65 W	56*	25*
11 7	10 50.15	+14 37.5	0.805	0.995	65.8	18.9	66 W	54*	30*
11 12	10 55.56	+ 9 47.0	0.803	1.016	64.7	18.9	68 W	52*	35*
11 17	11 0.70	+ 4 55.2	0.800	1.039	63.5	19.0	70 W	49*	41*
11 22	11 5.54	+ 0 3.2	0.798	1.064	62.2	19.0	72 W	45*	46*
11 27	11 10.02	− 4 47.7	0.797	1.090	60.7	19.0	74 W	40*	52*
12 2	11 14.06	− 9 36.2	0.797	1.117	59.2	19.0	77 W	35	58*
12 7	11 17.57	−14 21.0	0.797	1.146	57.6	19.0	79 W	31	64*
12 12	11 20.43	−19 0.5	0.799	1.175	56.0	19.0	82 W	26	70*
12 17	11 22.54	−23 33.2	0.802	1.205	54.3	19.0	84 W	21	75*
12 22	11 23.76	−27 57.8	0.806	1.235	52.7	19.0	87 W	17	80*
12 27	11 23.94	−32 12.6	0.812	1.266	51.0	19.0	89 W	13	82*
1 1	11 22.88	−36 16.0	0.818	1.296	49.3	19.1	92 W	9	80
1 6	11 20.36	−40 5.8	0.826	1.327	47.7	19.1	94 W	5	76
1 11	11 16.19	−43 40.1	0.835	1.358	46.1	19.1	96 W	1	72
1 16	11 10.18	−46 56.5	0.846	1.388	44.5	19.2	98 W	—	69
1 21	11 2.14	−49 52.9	0.857	1.418	43.0	19.2	101 W	—	66

151525 2002 RA_{50}

21/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
3 17	20 17.81	−17 37.8	2.124	1.732	27.6	21.5	54 W	15*	47*
3 27	20 43.98	−16 11.9	2.037	1.715	29.3	21.4	57 W	16*	51*
4 6	21 9.69	−14 34.5	1.950	1.701	30.9	21.3	61 W	16*	54*
4 16	21 34.87	−12 47.7	1.865	1.688	32.3	21.3	64 W	17*	58*
4 26	21 59.43	−10 54.1	1.780	1.678	33.7	21.2	68 W	19*	61*
5 6	22 23.36	− 8 56.0	1.697	1.669	34.9	21.1	71 W	20*	63*
5 16	22 46.57	− 6 56.3	1.616	1.664	35.9	21.0	75 W	22*	65*
5 26	23 8.99	− 4 57.9	1.536	1.660	36.7	20.9	78 W	25*	67*
6 5	23 30.56	− 3 3.4	1.457	1.659	37.3	20.8	82 W	28*	66*
6 15	23 51.12	− 1 15.9	1.379	1.661	37.6	20.7	86 W	31*	65
6 25	0 10.50	+ 0 21.7	1.304	1.665	37.6	20.6	91 W	36*	64
7 5	0 28.49	+ 1 46.7	1.229	1.671	37.3	20.5	96 W	40*	62
7 15	0 44.75	+ 2 56.1	1.157	1.680	36.4	20.3	101 W	44*	61
7 25	0 58.90	+ 3 47.0	1.087	1.691	35.1	20.2	107 W	48*	60
8 4	1 10.50	+ 4 17.2	1.021	1.704	33.1	20.0	114 W	49*	60
8 14	1 18.99	+ 4 24.1	0.960	1.719	30.3	19.8	121 W	49	60
8 24	1 23.90	+ 4 6.4	0.906	1.736	26.6	19.6	130 W	49	60
9 3	1 24.87	+ 3 24.6	0.862	1.754	22.0	19.4	139 W	48	61
9 13	1 21.83	+ 2 21.4	0.831	1.775	16.6	19.1	150 W	47	62
9 18	1 18.96	+ 1 44.1	0.822	1.785	13.6	19.0	155 W	47	62
9 23	1 15.36	+ 1 4.6	0.817	1.796	10.5	18.9	161 W	46	63
9 28	1 11.20	+ 0 24.3	0.818	1.807	7.4	18.8	167 W	45	64
10 3	1 6.66	− 0 15.0	0.824	1.819	4.8	18.7	171 W	45	64
10 8	1 1.98	− 0 51.7	0.835	1.831	3.8	18.7	173 W	44	65
10 13	0 57.41	− 1 24.3	0.852	1.843	5.3	18.8	170 E	44	65
10 18	0 53.15	− 1 51.4	0.874	1.855	7.9	19.0	165 E	43	66
10 23	0 49.39	− 2 12.2	0.902	1.868	10.6	19.2	160 E	43	66
11 2	0 43.87	− 2 33.5	0.973	1.894	15.7	19.6	149 E	42	67
11 12	0 41.55	− 2 27.3	1.062	1.920	19.9	19.9	139 E	43	66
11 22	0 42.53	− 1 56.4	1.166	1.947	23.2	20.3	129 E	43	66
12 2	0 46.55	− 1 5.2	1.282	1.974	25.5	20.6	120 E	44	65
12 12	0 53.22	+ 0 2.1	1.408	2.001	27.1	20.9	112 E	45	64
12 22	1 2.12	+ 1 21.5	1.542	2.029	28.0	21.1	105 E	46	62*
1 1	1 12.84	+ 2 49.5	1.680	2.056	28.3	21.3	98 E	48	59*

173561 2000 YV_{137}

21/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
	h m	° ′			°	m	°	°	°
3 17	20 20.44	− 1 51.3	1.626	1.273	37.7	21.4	51 W	28*	40*
3 27	20 55.96	− 1 11.1	1.558	1.226	39.8	21.3	52 W	27*	41*
4 6	21 32.89	− 0 27.2	1.497	1.181	41.8	21.2	52 W	25*	42*
4 16	22 11.40	+ 0 17.9	1.441	1.139	43.9	21.1	52 W	22*	43*
4 26	22 51.56	+ 1 1.9	1.394	1.100	45.7	21.0	51 W	20*	43*
5 6	23 33.39	+ 1 42.8	1.357	1.065	47.4	20.9	51 W	17*	43*
5 16	0 16.72	+ 2 19.3	1.330	1.036	48.7	20.8	50 W	15*	43*
5 26	1 1.15	+ 2 49.9	1.316	1.015	49.5	20.8	50 W	12*	43*
6 5	1 46.13	+ 3 14.3	1.315	1.002	49.7	20.8	49 W	10*	42*
6 15	2 30.93	+ 3 32.2	1.326	0.998	49.4	20.8	48 W	9*	42*
6 25	3 14.77	+ 3 43.0	1.348	1.003	48.5	20.8	48 W	9*	41*
7 5	3 57.05	+ 3 46.9	1.379	1.017	47.3	20.8	47 W	9*	41*
7 15	4 37.27	+ 3 43.4	1.416	1.039	45.8	20.9	47 W	11*	40*
7 25	5 15.16	+ 3 32.3	1.456	1.068	44.2	21.0	47 W	13*	40*
8 4	5 50.65	+ 3 14.0	1.494	1.103	42.8	21.0	48 W	15*	40*
8 14	6 23.74	+ 2 48.6	1.529	1.142	41.5	21.1	48 W	18*	40*
8 24	6 54.54	+ 2 16.8	1.557	1.185	40.5	21.2	50 W	22*	40*
9 3	7 23.20	+ 1 39.9	1.577	1.230	39.8	21.3	51 W	25*	41*
9 13	7 49.85	+ 0 58.9	1.586	1.277	39.3	21.4	53 W	28*	42*
9 23	8 14.61	+ 0 15.6	1.585	1.323	39.1	21.5	56 W	32*	43*

494703 2004 XN_{62}

21/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
3 17	20 20.44	−18 33.3	2.384	1.959	24.0	21.5	53 W	14*	47*
3 27	20 44.16	−18 21.6	2.254	1.917	26.1	21.4	58 W	14*	52*
4 6	21 8.34	−18 5.8	2.124	1.876	28.1	21.2	62 W	14*	56*
4 16	21 33.05	−17 47.2	1.995	1.835	30.0	21.1	66 W	13*	60*
4 26	21 58.34	−17 27.5	1.867	1.795	31.8	21.0	70 W	13*	64*
5 6	22 24.29	−17 8.4	1.744	1.756	33.5	20.8	74 W	13*	68*
5 16	22 50.96	−16 51.7	1.625	1.719	35.1	20.7	78 W	13*	71*
5 26	23 18.39	−16 39.5	1.512	1.683	36.5	20.5	81 W	14*	75*
6 5	23 46.61	−16 33.5	1.407	1.650	37.7	20.3	84 W	14*	77*
6 15	0 15.54	−16 35.9	1.311	1.618	38.8	20.2	87 W	15*	79*
6 25	0 45.03	−16 48.0	1.224	1.590	39.7	20.0	90 W	16*	80*
7 5	1 14.84	−17 11.0	1.146	1.564	40.5	19.9	92 W	18*	81*
7 15	1 44.57	−17 45.8	1.079	1.542	41.1	19.7	95 W	19*	82
7 20	1 59.23	−18 7.5	1.049	1.533	41.3	19.6	96 W	20*	82
7 25	2 13.68	−18 32.0	1.021	1.524	41.4	19.6	97 W	21*	83
7 30	2 27.84	−18 59.1	0.995	1.516	41.5	19.5	98 W	21*	83
8 4	2 41.62	−19 28.7	0.971	1.510	41.6	19.5	99 W	22*	83
8 9	2 54.92	−20 0.7	0.949	1.504	41.6	19.4	100 W	22*	84
8 14	3 7.67	−20 34.8	0.928	1.500	41.5	19.3	101 W	22*	85
8 19	3 19.77	−21 10.6	0.909	1.497	41.4	19.3	102 W	23*	85
8 24	3 31.14	−21 47.6	0.892	1.494	41.2	19.2	103 W	23*	86
8 29	3 41.72	−22 25.6	0.875	1.493	40.9	19.2	105 W	22*	86
9 3	3 51.39	−23 4.3	0.859	1.493	40.5	19.1	106 W	22*	87
9 8	4 0.08	−23 43.0	0.844	1.495	40.0	19.1	107 W	21	88
9 13	4 7.69	−24 20.9	0.829	1.497	39.5	19.0	109 W	21	88
9 18	4 14.16	−24 57.3	0.815	1.501	38.8	19.0	111 W	20	89
9 23	4 19.42	−25 31.2	0.802	1.505	38.0	18.9	112 W	19	90
9 28	4 23.40	−26 1.6	0.789	1.511	37.1	18.9	114 W	19	90
10 3	4 26.03	−26 27.3	0.777	1.518	36.1	18.8	117 W	19	90
10 8	4 27.25	−26 46.6	0.766	1.526	34.9	18.8	119 W	18	89
10 13	4 27.07	−26 57.7	0.755	1.534	33.7	18.7	122 W	18	89
10 18	4 25.50	−26 58.7	0.746	1.544	32.3	18.7	124 W	18	89
10 23	4 22.63	−26 47.6	0.739	1.555	30.8	18.6	127 W	18	89
10 28	4 18.56	−26 22.6	0.734	1.566	29.3	18.6	130 W	19	90
11 2	4 13.46	−25 42.0	0.731	1.579	27.7	18.5	132 W	19	90
11 7	4 7.56	−24 44.4	0.731	1.592	26.2	18.5	135 W	20	89
11 12	4 1.16	−23 29.0	0.734	1.606	24.9	18.5	137 W	22	87
11 17	3 54.58	−21 56.4	0.741	1.621	23.8	18.5	139 W	23	86
11 22	3 48.11	−20 7.7	0.753	1.636	22.9	18.5	140 E	25	84
11 27	3 42.03	−18 5.2	0.769	1.653	22.5	18.6	140 E	27	82
12 2	3 36.58	−15 51.4	0.790	1.669	22.4	18.7	140 E	29	80
12 7	3 31.94	−13 29.4	0.816	1.686	22.7	18.8	139 E	32	77
12 12	3 28.25	−11 2.4	0.847	1.704	23.2	18.9	137 E	34	75
12 17	3 25.57	− 8 33.4	0.883	1.722	24.0	19.0	135 E	36	73
12 22	3 23.93	− 6 5.1	0.923	1.741	24.9	19.2	132 E	39	70
12 27	3 23.30	− 3 39.6	0.968	1.760	25.9	19.3	129 E	41	68
1 1	3 23.64	− 1 18.3	1.018	1.779	26.8	19.5	125 E	44	65
1 6	3 24.92	+ 0 57.7	1.072	1.798	27.6	19.7	122 E	46	63
1 11	3 27.06	+ 3 7.6	1.129	1.818	28.3	19.8	119 E	48	61
1 16	3 30.01	+ 5 11.1	1.190	1.838	29.0	20.0	115 E	50	59
1 21	3 33.68	+ 7 7.9	1.254	1.859	29.5	20.1	112 E	52	57

162882 2001 FD_{58}

21/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
3 17	20 24.21	−24 44.8	1.407	1.151	44.4	21.5	54 W	8*	48*
3 22	20 47.10	−23 20.3	1.352	1.105	46.5	21.3	54 W	8*	47*
3 27	21 10.97	−21 37.1	1.303	1.058	48.7	21.2	53 W	8*	47*
4 1	21 35.80	−19 33.2	1.258	1.008	50.9	21.1	51 W	7*	45*
4 6	22 1.58	−17 7.3	1.220	0.956	53.1	21.0	50 W	7*	44*
4 11	22 28.27	−14 19.0	1.189	0.902	55.2	20.9	48 W	7*	42*

162882 2001 FD_{58} *(continuation)*

21/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
	h m	° ′			°	m	°	°	°
4 16	22 55.80	−11 8.7	1.167	0.847	57.2	20.7	45 W	6*	39*
4 21	23 24.13	− 7 38.5	1.155	0.790	58.7	20.6	42 W	6*	36*
4 26	23 53.24	− 3 51.6	1.154	0.732	59.6	20.5	39 W	6*	33*
5 1	0 23.15	+ 0 7.1	1.164	0.674	59.6	20.3	35 W	5*	29*
5 6	0 53.96	+ 4 11.6	1.187	0.618	58.2	20.1	31 W	5*	25*
5 11	1 25.82	+ 8 15.4	1.221	0.566	55.1	19.9	27 W	4*	21*
5 16	1 58.98	+12 10.9	1.265	0.520	49.8	19.6	23 W	4*	17*
5 21	2 33.63	+15 50.2	1.317	0.485	42.3	19.4	19 W	3*	12*
5 26	3 9.81	+19 4.2	1.372	0.466	32.9	19.1	14 W	2*	8*
5 31	3 47.15	+21 44.0	1.428	0.467	22.7	18.9	10 W	—	3*
6 5	4 24.85	+23 42.9	1.481	0.486	13.2	18.8	6 W	—	—
6 10	5 1.96	+24 58.9	1.531	0.521	6.1	18.7	3 W	—	—
6 15	5 37.63	+25 34.7	1.580	0.566	4.5	18.9	3 E	—	—
6 20	6 11.29	+25 35.9	1.627	0.619	7.4	19.3	5 E	—	—
6 25	6 42.67	+25 8.9	1.675	0.675	10.0	19.6	7 E	—	—
6 30	7 11.70	+24 20.1	1.724	0.733	11.6	19.9	8 E	—	1*
7 5	7 38.47	+23 15.1	1.774	0.791	12.6	20.2	10 E	—	2*
7 10	8 3.14	+21 58.3	1.825	0.848	13.0	20.4	11 E	—	4*
7 15	8 25.89	+20 33.5	1.877	0.903	12.9	20.6	11 E	—	5*
7 20	8 46.93	+19 3.4	1.928	0.957	12.6	20.8	12 E	—	5*
7 25	9 6.46	+17 30.0	1.980	1.009	12.0	20.9	12 E	—	5*
7 30	9 24.68	+15 54.8	2.032	1.058	11.3	21.1	12 E	—	5*
8 4	9 41.75	+14 19.0	2.082	1.106	10.4	21.2	11 E	—	5*
8 9	9 57.82	+12 43.3	2.132	1.152	9.5	21.3	11 E	—	5*
8 14	10 13.03	+11 8.3	2.180	1.195	8.5	21.4	10 E	—	4*
8 19	10 27.48	+ 9 34.4	2.226	1.237	7.4	21.4	9 E	—	3*
8 24	10 41.28	+ 8 1.9	2.270	1.277	6.4	21.5	8 E	—	2*

241676 2000 QW_{158}

3 17	20 26.58	−13 23.2	2.540	2.062	22.0	21.5	51 W	18*	44*
3 27	20 47.68	−11 49.7	2.416	2.023	23.9	21.4	55 W	19*	48*
4 6	21 8.68	−10 6.3	2.291	1.985	25.8	21.3	60 W	20*	53*
4 16	21 29.55	− 8 13.8	2.164	1.947	27.6	21.2	64 W	22*	56*
4 26	21 50.29	− 6 13.3	2.038	1.909	29.3	21.0	68 W	24*	59*
5 6	22 10.93	− 4 6.0	1.912	1.872	30.9	20.9	72 W	26*	62*
5 16	22 31.47	− 1 53.2	1.789	1.835	32.4	20.7	76 W	28*	63*
5 26	22 51.93	+ 0 23.3	1.669	1.800	33.7	20.6	80 W	31*	63*
6 5	23 12.33	+ 2 41.8	1.552	1.766	34.9	20.4	84 W	35*	61*
6 15	23 32.66	+ 5 0.1	1.439	1.734	35.8	20.3	88 W	39*	59
6 25	23 52.86	+ 7 15.4	1.330	1.704	36.6	20.1	92 W	44*	57
7 5	0 12.91	+ 9 25.0	1.227	1.675	37.1	19.9	96 W	49*	55
7 15	0 32.64	+11 25.5	1.129	1.649	37.3	19.7	100 W	53*	53
7 20	0 42.33	+12 21.1	1.082	1.637	37.3	19.5	103 W	55*	52
7 25	0 51.86	+13 12.9	1.037	1.626	37.1	19.4	105 W	57*	51
7 30	1 1.19	+14 0.4	0.993	1.616	36.9	19.3	107 W	59*	50
8 4	1 10.28	+14 43.1	0.950	1.606	36.5	19.2	110 W	60*	49
8 9	1 19.05	+15 20.3	0.909	1.597	36.0	19.1	112 W	60	49
8 14	1 27.45	+15 51.4	0.870	1.589	35.3	19.0	115 W	61	48
8 19	1 35.39	+16 15.7	0.832	1.582	34.5	18.8	118 W	61	48
8 24	1 42.83	+16 32.8	0.797	1.575	33.5	18.7	121 W	62	47
8 29	1 49.65	+16 42.1	0.763	1.570	32.2	18.6	124 W	62	47
9 3	1 55.78	+16 42.8	0.731	1.565	30.7	18.4	128 W	62	47
9 8	2 1.11	+16 34.6	0.702	1.562	29.0	18.3	131 W	62	47
9 13	2 5.56	+16 17.0	0.675	1.559	27.0	18.1	135 W	61	48
9 23	2 11.66	+15 13.4	0.629	1.557	22.3	17.8	144 W	60	49
10 3	2 13.86	+13 33.8	0.597	1.559	16.4	17.5	154 W	59	50
10 13	2 12.56	+11 26.5	0.580	1.565	9.7	17.2	165 W	56	53
10 18	2 10.96	+10 17.4	0.578	1.569	6.3	17.1	170 W	55	54
10 23	2 9.01	+ 9 8.1	0.581	1.574	3.3	16.9	175 W	54	55
10 28	2 6.92	+ 8 1.1	0.588	1.580	3.2	17.0	175 E	53	56
11 2	2 4.92	+ 6 58.9	0.600	1.587	6.0	17.2	170 E	52	57
11 7	2 3.22	+ 6 3.9	0.617	1.595	9.2	17.4	165 E	51	58
11 12	2 2.02	+ 5 17.7	0.638	1.604	12.4	17.6	160 E	50	59
11 17	2 1.46	+ 4 41.3	0.664	1.613	15.4	17.8	154 E	50	59
11 22	2 1.63	+ 4 15.0	0.694	1.624	18.1	18.0	149 E	49	60
12 2	2 4.28	+ 3 52.1	0.765	1.646	22.7	18.4	140 E	49	60
12 12	2 10.05	+ 4 4.4	0.850	1.672	26.3	18.8	131 E	49	60
12 22	2 18.67	+ 4 44.6	0.946	1.700	28.8	19.1	124 E	50	59
12 27	2 23.90	+ 5 12.7	0.998	1.715	29.8	19.3	120 E	50	59
1 1	2 29.69	+ 5 44.8	1.052	1.730	30.6	19.4	116 E	51	58
1 6	2 35.99	+ 6 20.4	1.108	1.746	31.2	19.6	113 E	51	58
1 11	2 42.75	+ 6 58.5	1.167	1.762	31.7	19.7	110 E	52	57*
1 16	2 49.92	+ 7 38.5	1.227	1.779	32.0	19.9	107 E	53	56*
1 21	2 57.47	+ 8 19.7	1.288	1.796	32.2	20.0	104 E	53	55*

461907 2006 QF_2

3 17	20 43.35	−22 7.1	2.199	1.720	25.9	21.5	49 W	8*	43*
3 27	21 10.72	−20 4.1	2.116	1.699	27.7	21.4	52 W	9*	46*
4 6	21 37.42	−17 45.8	2.034	1.681	29.3	21.4	55 W	10*	49*
4 16	22 3.39	−15 14.5	1.954	1.665	30.9	21.3	58 W	11*	52*

461907 2006 QF_2 *(continuation)*

21/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
	h m	° ′			°	m	°	°	°
4 26	22 28.58	−12 32.9	1.877	1.653	32.3	21.2	62 W	13*	55*
5 6	22 52.96	− 9 43.4	1.802	1.644	33.7	21.2	65 W	15*	58*
5 16	23 16.52	− 6 48.9	1.728	1.639	34.8	21.1	68 W	18*	60*
5 26	23 39.21	− 3 52.0	1.657	1.637	35.8	21.0	71 W	21*	62*
6 5	0 1.00	− 0 55.3	1.587	1.638	36.6	21.0	74 W	25*	62*
6 15	0 21.82	+ 1 58.9	1.519	1.643	37.2	20.9	78 W	30*	61*
6 25	0 41.54	+ 4 48.1	1.452	1.652	37.5	20.8	82 W	35*	59*
7 5	1 0.01	+ 7 30.6	1.385	1.663	37.6	20.7	86 W	41*	56
7 15	1 16.98	+10 4.7	1.320	1.678	37.3	20.6	91 W	47*	54
7 25	1 32.14	+12 28.7	1.255	1.696	36.6	20.5	96 W	53*	52
8 4	1 45.12	+14 41.4	1.191	1.717	35.3	20.4	102 W	59*	49
8 14	1 55.42	+16 41.4	1.130	1.740	33.5	20.3	108 W	62	47
8 24	2 2.49	+18 26.7	1.073	1.765	31.1	20.1	116 W	63	46
9 3	2 5.85	+19 55.1	1.022	1.793	27.8	20.0	124 W	65	44
9 13	2 5.05	+21 3.0	0.979	1.822	23.7	19.8	133 W	66	43
9 23	2 0.13	+21 46.2	0.948	1.853	18.8	19.6	143 W	67	42
9 28	1 56.28	+21 57.5	0.939	1.870	16.2	19.5	149 W	67	42
10 3	1 51.67	+22 1.4	0.934	1.886	13.4	19.4	154 W	67	42
10 8	1 46.49	+21 58.0	0.934	1.903	10.6	19.3	159 W	67	42
10 13	1 40.98	+21 47.7	0.940	1.920	8.1	19.2	164 W	67	42
10 18	1 35.38	+21 31.4	0.951	1.937	6.2	19.2	168 W	67	42
10 23	1 29.94	+21 10.2	0.968	1.954	5.6	19.2	169 E	66	43
10 28	1 24.88	+20 45.4	0.991	1.972	6.5	19.4	167 E	66	43
11 2	1 20.39	+20 18.5	1.020	1.990	8.5	19.5	163 E	65	44
11 7	1 16.62	+19 51.1	1.054	2.008	10.7	19.7	158 E	65	44
11 12	1 13.68	+19 24.5	1.094	2.026	12.9	19.9	153 E	64	45
11 17	1 11.63	+18 59.9	1.139	2.044	15.0	20.1	148 E	64	45
11 22	1 10.47	+18 38.3	1.189	2.062	16.9	20.2	143 E	64	45
12 2	1 10.78	+18 6.0	1.301	2.099	20.2	20.6	133 E	63	46
12 12	1 14.32	+17 50.2	1.428	2.136	22.6	20.9	124 E	63	46
12 22	1 20.63	+17 50.8	1.567	2.173	24.2	21.2	115 E	63	46
1 1	1 29.25	+18 5.7	1.714	2.210	25.2	21.5	107 E	63	45*

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3 17	20 56.05	+15 9.2	0.248	0.839	122.6	20.7	45 W	36*	23*
3 22	20 27.43	+18 30.8	0.223	0.892	111.8	19.9	56 W	45*	30*
3 27	19 53.74	+22 7.7	0.202	0.941	100.4	19.1	68 W	54*	35*
4 1	19 12.80	+25 51.0	0.185	0.987	88.4	18.5	81 W	64*	37*
4 6	18 22.60	+29 13.9	0.174	1.030	75.5	18.0	95 W	74*	35
4 8	17 59.84	+30 18.9	0.171	1.046	70.1	17.8	101 W	75	34
4 10	17 35.81	+31 9.0	0.169	1.062	64.8	17.7	106 W	76	33
4 12	17 10.90	+31 40.9	0.169	1.077	59.6	17.5	112 W	77	32
4 14	16 45.63	+31 52.4	0.170	1.092	54.5	17.4	118 W	77	32
4 16	16 20.61	+31 42.6	0.173	1.107	49.8	17.4	123 W	77	32
4 17	16 8.38	+31 30.0	0.175	1.114	47.5	17.3	125 W	76	33
4 18	15 56.43	+31 12.6	0.177	1.121	45.4	17.3	127 W	76	33
4 19	15 44.82	+30 50.8	0.180	1.127	43.4	17.3	129 W	76	33
4 20	15 33.60	+30 24.9	0.183	1.134	41.6	17.3	131 W	75	34
4 21	15 22.81	+29 55.5	0.186	1.140	39.9	17.3	133 W	75	34
4 22	15 12.48	+29 23.0	0.190	1.147	38.4	17.3	135 W	74	35
4 23	15 2.62	+28 47.9	0.194	1.153	37.1	17.3	136 W	74	35
4 24	14 53.26	+28 10.7	0.198	1.159	35.9	17.4	137 W	73	36
4 25	14 44.39	+27 31.7	0.203	1.166	34.9	17.4	139 W	73	36
4 26	14 36.01	+26 51.6	0.208	1.172	34.0	17.4	139 W	72	37
4 28	14 20.68	+25 28.8	0.218	1.183	32.8	17.5	140 E	70	39
4 30	14 7.15	+24 4.8	0.230	1.194	32.1	17.7	141 E	69	40
5 2	13 55.27	+22 41.5	0.242	1.205	32.0	17.8	141 E	68	41
5 4	13 44.89	+21 19.9	0.256	1.216	32.2	17.9	140 E	66	43
5 6	13 35.84	+20 0.9	0.270	1.226	32.7	18.1	139 E	65	44
5 8	13 27.98	+18 45.0	0.285	1.235	33.3	18.2	138 E	64	45
5 10	13 21.17	+17 32.3	0.300	1.244	34.1	18.4	136 E	63	46
5 12	13 15.29	+16 22.8	0.316	1.253	35.0	18.5	135 E	61	48
5 14	13 10.23	+15 16.6	0.333	1.261	35.9	18.7	133 E	60	49
5 16	13 5.91	+14 13.5	0.350	1.269	36.8	18.8	131 E	59	50
5 21	12 57.77	+11 48.2	0.394	1.287	39.0	19.2	127 E	57	52
5 26	12 52.68	+ 9 38.1	0.439	1.302	41.0	19.5	122 E	55	54
5 31	12 49.88	+ 7 40.4	0.486	1.316	42.8	19.8	118 E	53	56
6 5	12 48.87	+ 5 52.7	0.534	1.326	44.2	20.0	114 E	51*	58
6 10	12 49.29	+ 4 12.6	0.582	1.334	45.5	20.3	110 E	48*	60
6 15	12 50.89	+ 2 38.7	0.630	1.340	46.5	20.5	107 E	45*	61
6 20	12 53.44	+ 1 9.6	0.678	1.344	47.4	20.7	103 E	42*	63
6 25	12 56.80	− 0 15.5	0.726	1.345	48.1	20.9	100 E	39*	64
6 30	13 0.82	− 1 37.4	0.772	1.344	48.7	21.0	96 E	36*	66
7 5	13 5.44	− 2 56.7	0.817	1.340	49.2	21.1	93 E	34*	67
7 10	13 10.58	− 4 13.9	0.861	1.335	49.6	21.3	90 E	31*	68
7 15	13 16.20	− 5 29.5	0.903	1.326	49.9	21.4	87 E	29*	69*
7 20	13 22.25	− 6 43.6	0.943	1.316	50.2	21.4	84 E	26*	70*