2021	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
		486692 2013 *VC*$_{13}$							
	h m	° ′			°	m	°	°	°
1 6	15 21.75	−20 51.1	1.130	0.939	55.8	21.4	52 W	22*	42*
1 11	15 53.98	−21 58.3	1.113	0.889	57.6	21.3	50 W	20*	40*
1 16	16 27.82	−22 43.2	1.106	0.840	58.9	21.2	47 W	18*	38*
1 21	17 2.78	−23 2.0	1.109	0.793	59.6	21.1	44 W	16*	36*
1 26	17 38.28	−22 52.9	1.124	0.749	59.5	21.0	41 W	15*	33*
1 31	18 13.73	−22 16.0	1.149	0.710	58.5	20.9	38 W	13*	30*
2 5	18 48.61	−21 13.4	1.184	0.676	56.4	20.8	35 W	12*	28*
2 10	19 22.53	−19 48.6	1.227	0.650	53.2	20.7	32 W	10*	25*
2 15	19 55.22	−18 5.6	1.278	0.634	49.2	20.6	29 W	9*	22*
2 20	20 26.48	−16 9.1	1.333	0.628	44.5	20.5	26 W	8*	20*
2 25	20 56.23	−14 3.4	1.392	0.633	39.5	20.5	24 W	7*	17*
3 2	21 24.39	−11 52.4	1.453	0.648	34.7	20.5	22 W	6*	15*
3 7	21 50.97	− 9 39.7	1.514	0.673	30.2	20.5	20 W	5*	13*
3 12	22 15.98	− 7 27.9	1.575	0.706	26.4	20.6	18 W	4*	12*
3 17	22 39.49	− 5 19.3	1.635	0.745	23.2	20.7	17 W	3*	11*
3 22	23 1.61	− 3 15.4	1.694	0.788	20.7	20.8	16 W	2*	10*
3 27	23 22.44	− 1 17.1	1.751	0.835	18.7	21.0	16 W	2*	9*
4 1	23 42.11	+ 0 35.0	1.807	0.883	17.3	21.1	15 W	2*	9*
4 6	0 0.73	+ 2 20.7	1.862	0.933	16.3	21.3	15 W	1*	9*
4 11	0 18.42	+ 3 59.9	1.914	0.984	15.6	21.4	15 W	1*	9*
		428694 Saule							
1 6	15 23.41	−17 21.0	0.496	0.788	97.3	20.9	53 W	25*	40*
1 11	15 22.22	−13 19.0	0.518	0.845	89.0	20.7	59 W	30*	44*
1 16	15 22.72	− 9 43.5	0.538	0.902	81.9	20.7	65 W	35*	48*
1 21	15 23.98	− 6 27.0	0.556	0.960	75.8	20.7	71 W	38*	51*
1 26	15 25.36	− 3 23.1	0.572	1.017	70.3	20.7	77 W	42*	54*
1 31	15 26.43	− 0 26.8	0.584	1.074	65.3	20.7	82 W	45	55*
2 5	15 26.83	+ 2 25.6	0.595	1.130	60.6	20.7	88 W	47	57*
2 10	15 26.29	+ 5 16.5	0.604	1.186	56.2	20.7	93 W	50	57*
2 15	15 24.58	+ 8 7.3	0.612	1.239	51.9	20.7	99 W	53	55*
2 20	15 21.52	+10 57.9	0.619	1.292	47.8	20.7	105 W	56	53
2 25	15 16.98	+13 47.2	0.628	1.344	43.7	20.7	110 W	59	50
3 2	15 10.88	+16 33.1	0.637	1.394	39.7	20.7	116 W	62	47
3 7	15 3.22	+19 12.8	0.649	1.443	35.9	20.7	122 W	64	45
3 12	14 54.03	+21 42.4	0.665	1.490	32.2	20.7	127 W	67	42
3 17	14 43.49	+23 57.7	0.684	1.537	28.9	20.8	132 W	69	40
3 22	14 31.89	+25 54.8	0.707	1.582	26.1	20.8	136 W	71	38
3 27	14 19.63	+27 30.6	0.736	1.626	23.8	20.9	139 W	73	36
4 1	14 7.13	+28 43.4	0.770	1.669	22.2	21.0	141 W	74	35
4 6	13 54.83	+29 33.1	0.808	1.710	21.3	21.1	142 W	75	34
4 11	13 43.15	+30 0.5	0.853	1.751	21.0	21.3	141 W	75	34
4 16	13 32.42	+30 7.6	0.902	1.790	21.2	21.5	140 E	75	34
4 21	13 22.90	+29 57.1	0.956	1.828	21.8	21.7	138 E	75	34
4 26	13 14.70	+29 32.0	1.015	1.865	22.5	21.9	135 E	75	34
5 1	13 7.87	+28 55.2	1.077	1.901	23.4	22.1	132 E	74	35
5 6	13 2.37	+28 9.3	1.143	1.936	24.2	22.3	128 E	73	36
5 11	12 58.15	+27 16.4	1.213	1.970	25.0	22.4	125 E	72	37
		523786 2015 *DP*							
1 6	15 29.65	+18 40.2	1.425	1.385	40.9	21.5	67 W	59*	21*
1 11	15 52.31	+20 0.6	1.397	1.367	41.7	21.4	68 W	59*	20*
1 16	16 15.53	+21 19.0	1.376	1.351	42.3	21.4	68 W	60*	19*
1 21	16 39.12	+22 33.5	1.362	1.336	42.8	21.4	67 W	60*	19*
1 26	17 2.83	+23 42.2	1.355	1.322	43.1	21.3	67 W	60*	18*
1 31	17 26.44	+24 43.7	1.355	1.309	43.4	21.3	66 W	59*	17*
2 5	17 49.72	+25 36.9	1.360	1.298	43.5	21.3	65 W	58*	17*
2 10	18 12.44	+26 21.7	1.371	1.288	43.4	21.3	64 W	57*	16*
2 15	18 34.42	+26 57.9	1.386	1.279	43.3	21.3	63 W	56*	16*
2 20	18 55.53	+27 26.1	1.403	1.272	43.0	21.3	61 W	55*	16*
2 25	19 15.69	+27 46.7	1.423	1.267	42.7	21.3	60 W	54*	16*
3 2	19 34.84	+28 0.5	1.444	1.264	42.3	21.4	59 W	53*	17*
3 7	19 53.00	+28 8.4	1.465	1.262	41.8	21.4	58 W	51*	18*
3 12	20 10.17	+28 11.3	1.486	1.261	41.4	21.4	57 W	50*	18*
3 17	20 26.39	+28 9.8	1.505	1.263	41.0	21.4	56 W	49*	19*
3 22	20 41.70	+28 4.4	1.521	1.266	40.6	21.4	56 W	48*	20*
3 27	20 56.17	+27 55.6	1.536	1.271	40.3	21.4	55 W	48*	22*
4 1	21 9.85	+27 43.7	1.547	1.277	40.0	21.5	55 W	47*	23*
4 6	21 22.82	+27 29.1	1.554	1.285	39.9	21.5	55 W	46*	24*
		85118 1971 *UU*							
1 6	15 32.98	−19 4.0	3.658	3.118	14.0	21.5	50 W	23*	39*
1 16	15 45.67	−19 42.9	3.509	3.088	15.5	21.4	57 W	24*	47*
1 26	15 57.85	−20 16.3	3.350	3.057	16.9	21.3	64 W	24*	55*
2 5	16 9.37	−20 44.2	3.183	3.024	18.0	21.3	72 W	24*	63*
2 15	16 20.02	−21 6.5	3.010	2.991	18.9	21.1	79 W	24*	71*
2 25	16 29.58	−21 23.2	2.834	2.957	19.5	21.0	87 W	24	79*
3 7	16 37.80	−21 34.5	2.657	2.922	19.8	20.8	95 W	23	85*
3 17	16 44.37	−21 40.5	2.482	2.887	19.6	20.7	104 W	23	86
3 27	16 48.99	−21 41.5	2.312	2.850	18.8	20.5	113 W	23	86
4 6	16 51.35	−21 37.4	2.151	2.813	17.6	20.2	122 W	23	86
4 16	16 51.14	−21 28.1	2.002	2.774	15.6	20.0	132 W	24	85

21/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
		85118 1971 *UU*				*(continuation)*			
	h m	° ′			°	m	°	°	°
4 26	16 48.18	−21 13.5	1.869	2.735	13.0	19.7	142 W	24	85
5 6	16 42.47	−20 53.2	1.755	2.696	9.6	19.4	153 W	24	85
5 16	16 34.29	−20 27.1	1.666	2.655	5.6	19.1	165 W	25	84
5 26	16 24.31	−19 55.9	1.602	2.614	1.3	18.7	177 W	25	84
5 31	16 18.95	−19 39.0	1.581	2.593	1.4	18.7	176 E	25	84
6 5	16 13.54	−19 21.6	1.566	2.572	3.7	18.8	171 E	26	83
6 10	16 8.23	−19 4.3	1.558	2.551	6.1	18.9	165 E	26	83
6 15	16 3.17	−18 47.5	1.557	2.530	8.4	19.0	159 E	26	83
6 20	15 58.51	−18 31.8	1.562	2.508	10.7	19.0	153 E	26	83
6 25	15 54.36	−18 17.7	1.572	2.486	12.9	19.1	147 E	27	82
7 5	15 47.98	−17 55.6	1.609	2.443	16.9	19.3	136 E	27	82
7 15	15 44.54	−17 43.9	1.662	2.399	20.2	19.4	125 E	27*	82
7 25	15 44.26	−17 43.5	1.727	2.354	22.9	19.5	116 E	27*	82
8 4	15 47.06	−17 53.8	1.799	2.309	24.8	19.6	107 E	26*	82
8 14	15 52.80	−18 13.4	1.876	2.264	26.2	19.7	99 E	24*	82
8 24	16 1.25	−18 40.3	1.953	2.219	27.1	19.8	91 E	23*	82*
9 3	16 12.15	−19 12.0	2.030	2.173	27.5	19.9	84 E	22*	77*
9 13	16 25.32	−19 46.2	2.103	2.128	27.5	19.9	78 E	21*	71*
9 23	16 40.56	−20 20.1	2.171	2.083	27.2	19.9	72 E	20*	65*
10 3	16 57.69	−20 51.4	2.234	2.039	26.6	19.9	66 E	19*	59*
10 13	17 16.58	−21 17.4	2.290	1.995	25.8	19.9	60 E	18*	54*
10 23	17 37.07	−21 35.7	2.340	1.951	24.7	19.8	55 E	18*	48*
11 2	17 59.02	−21 43.9	2.384	1.909	23.6	19.8	50 E	17*	43*
11 12	18 22.29	−21 39.9	2.420	1.868	22.3	19.7	46 E	17*	38*
11 22	18 46.70	−21 21.7	2.451	1.829	20.9	19.7	41 E	17*	32*
12 2	19 12.08	−20 47.6	2.475	1.791	19.4	19.6	37 E	16*	27*
12 12	19 38.27	−19 56.5	2.495	1.756	17.9	19.5	33 E	16*	23*
12 22	20 5.06	−18 47.6	2.510	1.723	16.3	19.5	29 E	15*	18*
1 1	20 32.29	−17 20.7	2.522	1.692	14.7	19.4	26 E	14*	14*
1 11	20 59.82	−15 36.3	2.531	1.665	13.1	19.3	23 E	13*	10*
1 21	21 27.48	−13 35.5	2.538	1.642	11.4	19.2	19 E	11*	7*
		6037 1988 *EG*							
1 6	15 38.70	−25 21.6	0.390	0.775	110.7	20.3	48 W	17*	39*
1 8	15 35.23	−24 55.5	0.399	0.791	106.8	20.2	50 W	18*	42*
1 10	15 32.47	−24 31.5	0.407	0.807	103.1	20.1	53 W	19*	44*
1 12	15 30.30	−24 9.4	0.416	0.824	99.7	20.0	56 W	19*	47*
1 14	15 28.64	−23 49.1	0.424	0.841	96.5	19.9	58 W	20*	49*
1 16	15 27.39	−23 30.5	0.432	0.858	93.5	19.9	61 W	21*	52*
1 21	15 25.65	−22 49.9	0.449	0.901	86.8	19.8	66 W	22*	57*
1 26	15 25.14	−22 15.3	0.462	0.945	80.9	19.7	71 W	23*	63*
1 31	15 25.16	−21 44.0	0.472	0.989	75.7	19.7	77 W	23	68*
2 5	15 25.15	−21 13.7	0.478	1.033	70.9	19.7	82 W	24	73*
2 10	15 24.67	−20 42.3	0.481	1.076	66.3	19.6	87 W	24	78*
2 15	15 23.34	−20 8.0	0.481	1.118	61.9	19.6	93 W	25	82*
2 20	15 20.84	−19 29.2	0.479	1.160	57.5	19.5	98 W	26	83
2 25	15 16.94	−18 44.3	0.475	1.201	53.0	19.4	105 W	26	83
3 2	15 11.44	−17 52.1	0.471	1.240	48.2	19.3	111 W	27	82
3 7	15 4.19	−16 51.3	0.466	1.279	43.3	19.2	118 W	28	81
3 17	14 44.31	−14 20.6	0.460	1.352	32.4	19.0	133 W	31	78
3 27	14 18.64	−11 15.1	0.466	1.421	20.5	18.8	150 W	34	75
4 6	13 50.82	− 7 56.1	0.492	1.485	8.6	18.6	167 W	37	72
4 11	13 37.52	− 6 21.6	0.514	1.515	3.5	18.5	175 W	39	70
4 16	13 25.32	− 4 55.7	0.542	1.544	3.7	18.7	174 E	40	69
4 21	13 14.58	− 3 41.2	0.576	1.571	8.2	19.1	167 E	41	68
4 26	13 5.49	− 2 39.5	0.615	1.598	12.4	19.4	160 E	42	67
5 6	12 52.39	− 1 14.6	0.708	1.648	19.5	20.0	147 E	44	65
5 16	12 45.51	− 0 35.3	0.816	1.693	24.8	20.5	135 E	44	65
5 26	12 43.81	− 0 32.3	0.936	1.733	28.4	21.0	126 E	44	65
6 5	12 46.12	− 0 56.2	1.064	1.769	30.8	21.4	117 E	44*	65
		136793 1997 *AQ*$_{18}$							
1 6	15 45.41	−32 40.1	1.720	1.247	34.2	21.4	46 W	9*	39*
1 11	16 6.81	−33 37.7	1.671	1.213	35.6	21.3	46 W	8*	40*
1 16	16 29.53	−34 23.7	1.622	1.177	37.0	21.2	46 W	7*	40*
1 21	16 53.57	−34 55.6	1.576	1.140	38.4	21.1	46 W	6*	40*
1 26	17 18.90	−35 10.6	1.533	1.102	39.8	21.0	46 W	5*	40*
1 31	17 45.42	−35 5.5	1.492	1.063	41.2	20.9	45 W	4*	39*
2 5	18 12.96	−34 37.5	1.456	1.022	42.6	20.8	45 W	4*	38*
2 10	18 41.27	−33 44.1	1.424	0.981	43.8	20.7	44 W	3*	37*
2 15	19 10.06	−32 23.1	1.396	0.939	45.0	20.6	42 W	3*	36*
2 20	19 39.02	−30 33.4	1.374	0.897	45.9	20.5	41 W	2*	34*
2 25	20 7.86	−28 14.9	1.357	0.855	46.6	20.4	39 W	2*	33*
3 2	20 36.35	−25 28.5	1.348	0.814	47.0	20.3	37 W	2*	31*
3 7	21 4.36	−22 16.4	1.344	0.773	46.9	20.2	35 W	2*	29*
3 12	21 31.82	−18 41.7	1.348	0.735	46.2	20.0	32 W	3*	26*
3 17	21 58.76	−14 48.6	1.359	0.699	44.9	19.9	30 W	3*	24*
3 22	22 25.25	−10 41.8	1.376	0.668	42.9	19.8	27 W	3*	21*

136793 1997 AQ_{18} *(continuation)*

2021	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
	h m	° ′			°	m	°	°	°
3 27	22 51.46	− 6 26.6	1.400	0.643	40.1	19.7	25 W	4*	18*
4 1	23 17.55	− 2 8.9	1.429	0.625	36.6	19.5	22 W	4*	16*
4 6	23 43.65	+ 2 5.4	1.462	0.615	32.6	19.4	19 W	4*	13*
4 11	0 9.88	+ 6 10.6	1.498	0.614	28.4	19.4	17 W	4*	10*
4 16	0 36.26	+10 1.1	1.537	0.622	24.3	19.3	15 W	4*	7*
4 21	1 2.77	+13 32.7	1.578	0.638	20.4	19.3	13 W	4*	5*
4 26	1 29.32	+16 42.2	1.620	0.662	17.1	19.4	11 W	4*	2*
5 1	1 55.80	+19 27.7	1.663	0.692	14.4	19.4	10 W	3*	—
5 6	2 22.08	+21 48.6	1.707	0.727	12.3	19.5	9 W	3*	—
5 11	2 48.01	+23 45.3	1.751	0.765	10.7	19.6	8 W	2*	—
5 16	3 13.46	+25 18.9	1.796	0.805	9.4	19.7	7 W	1*	—
5 21	3 38.28	+26 30.9	1.842	0.846	8.4	19.8	7 W	1*	—
5 26	4 2.37	+27 23.1	1.887	0.888	7.5	20.0	7 W	—	—
5 31	4 25.65	+27 57.5	1.932	0.930	6.8	20.1	6 W	—	—
6 5	4 48.07	+28 16.1	1.976	0.972	6.1	20.2	6 W	—	—
6 10	5 9.60	+28 20.9	2.020	1.014	5.4	20.3	5 W	—	—
6 15	5 30.21	+28 13.6	2.062	1.054	4.8	20.4	5 W	—	—
6 20	5 49.93	+27 55.9	2.104	1.094	4.3	20.5	5 W	—	—
6 25	6 8.76	+27 29.1	2.143	1.132	3.9	20.6	4 W	—	—
6 30	6 26.76	+26 54.5	2.181	1.169	3.7	20.7	4 W	—	—
7 5	6 43.95	+26 13.3	2.217	1.205	3.7	20.8	4 W	—	—
7 10	7 0.40	+25 26.4	2.250	1.240	4.0	20.9	5 W	—	—
7 15	7 16.14	+24 34.6	2.281	1.273	4.5	21.0	6 W	—	—
7 20	7 31.22	+23 38.5	2.309	1.305	5.2	21.1	7 W	—	—
7 25	7 45.69	+22 38.9	2.335	1.336	6.0	21.2	8 W	1*	—
7 30	7 59.60	+21 36.2	2.358	1.366	6.8	21.3	9 W	2*	—
8 4	8 13.00	+20 30.7	2.378	1.393	7.7	21.5	11 W	3*	2*

152889 2000 CF_{59}

2021	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
1 6	15 55.99	+13 28.3	2.604	2.263	21.9	21.4	59 W	51*	19*
1 16	16 14.95	+14 3.6	2.462	2.208	23.5	21.3	64 W	53*	24*
1 26	16 34.22	+14 57.2	2.319	2.150	25.1	21.1	68 W	56*	29*
2 5	16 53.80	+16 10.0	2.174	2.088	26.7	21.0	72 W	58*	33*
2 15	17 13.68	+17 43.5	2.030	2.023	28.2	20.8	76 W	60*	36*
2 25	17 33.85	+19 38.1	1.887	1.955	29.8	20.6	79 W	62*	37*
3 7	17 54.38	+21 54.2	1.748	1.882	31.5	20.4	82 W	64*	38*
3 17	18 15.34	+24 31.7	1.613	1.805	33.2	20.2	84 W	67*	38*
3 22	18 26.03	+25 58.1	1.547	1.766	34.2	20.1	85 W	68*	37*
3 27	18 36.89	+27 29.5	1.483	1.725	35.2	20.0	86 W	69*	36*
4 1	18 47.98	+29 5.6	1.419	1.683	36.3	19.9	86 W	70*	35*
4 6	18 59.35	+30 46.2	1.357	1.640	37.5	19.7	87 W	72*	33*
4 11	19 11.06	+32 31.0	1.296	1.596	38.8	19.6	87 W	73*	31*
4 16	19 23.20	+34 19.7	1.235	1.551	40.3	19.5	87 W	74*	30
4 21	19 35.89	+36 11.5	1.176	1.504	41.8	19.4	87 W	75*	28
4 26	19 49.31	+38 6.1	1.118	1.457	43.6	19.2	86 W	76*	26
5 1	20 3.67	+40 2.9	1.061	1.408	45.5	19.1	86 W	76*	24
5 6	20 19.25	+42 1.0	1.004	1.359	47.7	19.0	85 W	76*	22
5 11	20 36.43	+43 59.4	0.948	1.308	50.1	18.8	84 W	76*	20
5 16	20 55.69	+45 56.2	0.893	1.256	52.9	18.7	82 W	75*	18
5 18	21 4.13	+46 42.0	0.871	1.235	54.1	18.6	82 W	75*	17
5 20	21 13.06	+47 26.8	0.849	1.214	55.4	18.6	81 W	74*	17
5 22	21 22.54	+48 10.5	0.828	1.193	56.7	18.5	80 W	73*	16
5 24	21 32.63	+48 52.7	0.806	1.171	58.2	18.5	79 W	73*	15
5 26	21 43.40	+49 33.0	0.785	1.150	59.7	18.4	78 W	72*	14
5 28	21 54.93	+50 10.9	0.763	1.128	61.2	18.4	77 W	71*	14
5 30	22 7.28	+50 45.8	0.743	1.106	62.9	18.3	76 W	70*	13
6 1	22 20.54	+51 16.9	0.722	1.084	64.7	18.3	75 W	69*	13
6 3	22 34.76	+51 43.5	0.702	1.062	66.6	18.2	74 W	68*	12
6 5	22 50.02	+52 4.3	0.682	1.040	68.6	18.2	73 W	66*	12
6 7	23 6.34	+52 18.1	0.662	1.018	70.7	18.1	71 W	65*	12
6 9	23 23.76	+52 23.4	0.643	0.996	73.0	18.1	70 W	63*	12
6 11	23 42.24	+52 18.7	0.625	0.974	75.3	18.1	68 W	62*	12*
6 13	0 1.72	+52 2.0	0.608	0.952	77.8	18.0	66 W	60*	12*
6 15	0 22.09	+51 31.6	0.592	0.930	80.4	18.0	64 W	58*	12*
6 17	0 43.16	+50 45.6	0.577	0.908	83.2	18.0	63 W	56*	13*
6 19	1 4.71	+49 42.5	0.563	0.886	86.0	18.0	60 W	53*	13*
6 21	1 26.49	+48 21.1	0.552	0.864	88.9	18.0	58 W	51*	14*
6 23	1 48.21	+46 40.7	0.542	0.843	91.8	18.1	56 W	48*	15*
6 25	2 9.61	+44 41.5	0.534	0.821	94.8	18.1	54 W	45*	16*
6 27	2 30.47	+42 24.5	0.529	0.801	97.6	18.1	51 W	42*	17*
6 29	2 50.58	+39 51.5	0.527	0.780	100.3	18.2	49 W	39*	18*
7 1	3 9.83	+37 5.3	0.528	0.760	102.7	18.3	47 W	36*	20*
7 3	3 28.13	+34 9.3	0.531	0.741	104.8	18.4	45 W	33*	21*
7 5	3 45.46	+31 7.4	0.539	0.723	106.5	18.4	43 W	30*	22*
7 7	4 1.83	+28 3.6	0.550	0.705	107.6	18.5	41 W	26*	24*
7 9	4 17.29	+25 1.7	0.564	0.688	108.2	18.5	40 W	23*	25*
7 11	4 31.89	+22 5.3	0.582	0.673	108.1	18.5	39 W	21*	26*
7 13	4 45.71	+19 17.3	0.603	0.658	107.4	18.5	38 W	18*	27*
7 15	4 58.82	+16 39.8	0.627	0.645	106.1	18.5	38 W	16*	28*
7 17	5 11.30	+14 14.4	0.654	0.634	104.2	18.4	37 W	14*	28*
7 19	5 23.22	+12 1.9	0.683	0.624	101.9	18.4	37 W	12*	29*

152889 2000 CF_{59} *(continuation)*

21/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
	h m	° ′			°	m	°	°	°
7 21	5 34.65	+10 2.6	0.715	0.616	99.2	18.3	37 W	10*	29*
7 23	5 45.64	+ 8 16.5	0.749	0.610	96.2	18.2	37 W	9*	30*
7 25	5 56.24	+ 6 42.9	0.785	0.606	93.0	18.2	37 W	8*	30*
7 27	6 6.49	+ 5 21.2	0.822	0.603	89.5	18.1	36 W	7*	30*
7 29	6 16.43	+ 4 10.4	0.860	0.603	86.0	18.1	36 W	6*	30*
7 31	6 26.09	+ 3 9.6	0.899	0.605	82.4	18.1	36 W	5*	30*
8 2	6 35.47	+ 2 17.8	0.938	0.609	78.8	18.0	36 W	5*	30*
8 4	6 44.60	+ 1 33.9	0.977	0.615	75.3	18.0	36 W	5*	30*
8 6	6 53.48	+ 0 57.1	1.016	0.623	71.9	18.0	36 W	5*	30*
8 8	7 2.13	+ 0 26.2	1.055	0.633	68.6	18.0	36 W	4*	30*
8 10	7 10.54	+ 0 0.6	1.094	0.644	65.5	18.1	35 W	5*	29*
8 12	7 18.74	− 0 20.6	1.132	0.657	62.5	18.1	35 W	5*	29*
8 14	7 26.71	− 0 38.0	1.169	0.672	59.7	18.1	35 W	5*	29*
8 19	7 45.73	− 1 8.8	1.258	0.713	53.5	18.2	34 W	6*	28*
8 24	8 3.51	− 1 26.9	1.340	0.759	48.4	18.4	34 W	7*	28*
8 29	8 20.14	− 1 37.2	1.415	0.810	44.3	18.5	34 W	9*	28*
9 3	8 35.73	− 1 43.2	1.484	0.863	41.1	18.6	34 W	10*	28*
9 8	8 50.36	− 1 46.6	1.545	0.917	38.6	18.8	35 W	12*	28*
9 13	9 4.12	− 1 48.8	1.600	0.972	36.8	19.0	35 W	14*	28*
9 23	9 29.34	− 1 51.3	1.688	1.083	34.4	19.2	38 W	19*	28*
10 3	9 51.94	− 1 52.6	1.751	1.191	33.4	19.5	41 W	23*	30*
10 13	10 12.26	− 1 51.8	1.789	1.296	33.1	19.7	45 W	28*	32*
10 23	10 30.55	− 1 46.8	1.804	1.397	33.2	19.9	50 W	33*	34*
11 2	10 46.93	− 1 34.8	1.798	1.494	33.5	20.0	56 W	37*	37*
11 12	11 1.42	− 1 12.3	1.772	1.586	33.7	20.1	63 W	41*	41*
11 22	11 13.95	− 0 35.3	1.729	1.673	33.7	20.2	70 W	44*	45*
12 2	11 24.35	+ 0 20.6	1.672	1.756	33.3	20.2	78 W	45	50*
12 7	11 28.66	+ 0 57.4	1.639	1.797	32.9	20.2	82 W	46	52*
12 12	11 32.33	+ 1 41.0	1.603	1.836	32.4	20.2	87 W	47	54*
12 17	11 35.31	+ 2 32.2	1.567	1.874	31.7	20.2	92 W	48	56*
12 22	11 37.53	+ 3 31.7	1.529	1.911	30.8	20.1	97 W	49	57*
12 27	11 38.96	+ 4 40.0	1.491	1.947	29.6	20.1	102 W	50	58*
1 1	11 39.51	+ 5 58.0	1.453	1.982	28.3	20.0	107 W	51	58*
1 6	11 39.11	+ 7 25.9	1.417	2.016	26.7	20.0	113 W	52	57
1 11	11 37.72	+ 9 3.9	1.383	2.049	24.8	19.9	119 W	54	55
1 16	11 35.29	+10 51.7	1.353	2.081	22.7	19.8	125 W	56	53
1 21	11 31.79	+12 48.4	1.328	2.113	20.4	19.8	132 W	58	51

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21/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
1 6	16 6.84	−24 44.5	1.449	0.962	42.4	21.4	41 W	15*	33*
1 11	16 35.80	−26 10.2	1.427	0.919	43.1	21.3	40 W	13*	32*
1 16	17 6.33	−27 15.0	1.413	0.879	43.5	21.1	38 W	11*	31*
1 21	17 38.11	−27 54.5	1.408	0.841	43.4	21.0	36 W	9*	29*
1 26	18 10.70	−28 5.6	1.410	0.808	42.8	20.9	34 W	7*	28*
1 31	18 43.59	−27 46.4	1.420	0.779	41.6	20.8	32 W	5*	26*
2 5	19 16.22	−26 56.8	1.438	0.756	39.9	20.8	29 W	3*	23*
2 10	19 48.09	−25 38.7	1.462	0.739	37.7	20.7	27 W	2*	21*
2 15	20 18.79	−23 55.2	1.492	0.730	35.0	20.6	25 W	1*	19*
2 20	20 48.03	−21 50.9	1.527	0.729	32.1	20.6	23 W	—	17*
2 25	21 15.67	−19 30.6	1.566	0.736	29.1	20.6	21 W	—	15*
3 2	21 41.67	−16 59.1	1.607	0.750	26.2	20.6	20 W	—	13*
3 7	22 6.08	−14 21.0	1.651	0.771	23.5	20.6	18 W	—	12*
3 12	22 28.99	−11 40.1	1.696	0.799	21.1	20.7	17 W	—	11*
3 17	22 50.51	− 8 59.5	1.743	0.831	19.1	20.8	16 W	—	10*
3 22	23 10.77	− 6 21.7	1.789	0.867	17.4	20.9	15 W	—	9*
3 27	23 29.92	− 3 48.4	1.836	0.907	16.2	21.0	15 W	—	9*
4 1	23 48.07	− 1 20.8	1.883	0.949	15.2	21.1	14 W	—	8*
4 6	0 5.35	+ 1 0.5	1.929	0.993	14.6	21.2	14 W	—	8*
4 11	0 21.86	+ 3 14.9	1.975	1.037	14.2	21.4	15 W	—	9*
4 16	0 37.69	+ 5 22.3	2.019	1.083	14.1	21.5	15 W	1*	9*

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21/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
1 6	16 14.83	− 4 44.5	2.368	1.817	22.6	21.5	45 W	33*	24*
1 16	16 42.06	− 4 25.0	2.270	1.782	24.5	21.4	49 W	34*	28*
1 26	17 9.79	− 3 47.3	2.177	1.750	26.3	21.3	52 W	35*	32*
2 5	17 37.87	− 2 51.4	2.089	1.720	27.9	21.2	55 W	36*	36*
2 15	18 6.09	− 1 37.5	2.006	1.694	29.4	21.1	57 W	37*	39*
2 25	18 34.22	− 0 7.1	1.930	1.670	30.9	21.1	60 W	38*	42*
3 7	19 2.06	+ 1 37.5	1.860	1.650	32.1	21.0	62 W	39*	44*
3 17	19 29.42	+ 3 33.4	1.795	1.634	33.3	20.9	64 W	40*	46*
3 27	19 56.07	+ 5 36.8	1.736	1.622	34.4	20.9	67 W	41*	48*
4 6	20 21.89	+ 7 43.9	1.680	1.615	35.3	20.8	69 W	42*	49*
4 16	20 46.72	+ 9 51.0	1.627	1.611	36.1	20.8	71 W	43*	49*
4 26	21 10.42	+11 53.8	1.575	1.612	36.8	20.7	74 W	44*	50*
5 6	21 32.89	+13 48.9	1.522	1.618	37.3	20.7	76 W	46*	49*
5 16	21 53.98	+15 32.9	1.469	1.628	37.7	20.6	80 W	48*	48*
5 26	22 13.53	+17 2.0	1.414	1.641	37.8	20.5	83 W	50*	47
6 5	22 31.37	+18 13.0	1.356	1.659	37.7	20.5	88 W	53*	46

323498 2004 QE_1 *(continuation)*

2021	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
	h m	° ′			°	m	°	°	°
6 10	22 39.57	+18 40.4	1.326	1.669	37.5	20.4	90 W	55*	45
6 15	22 47.24	+19 1.7	1.295	1.681	37.1	20.4	93 W	57*	45
6 20	22 54.35	+19 16.3	1.264	1.693	36.7	20.3	95 W	59*	45
6 25	23 0.86	+19 23.6	1.233	1.706	36.1	20.3	98 W	60*	45
6 30	23 6.72	+19 22.9	1.201	1.719	35.4	20.2	101 W	62*	45
7 5	23 11.90	+19 13.4	1.169	1.734	34.5	20.2	105 W	63*	45
7 10	23 16.34	+18 54.3	1.138	1.749	33.5	20.1	108 W	64*	45
7 15	23 19.99	+18 24.6	1.107	1.765	32.2	20.0	112 W	63	46
7 20	23 22.83	+17 43.5	1.077	1.781	30.7	19.9	117 W	63	46
7 25	23 24.84	+16 50.2	1.049	1.798	28.9	19.8	121 W	62	47
7 30	23 25.99	+15 44.0	1.023	1.816	26.9	19.8	126 W	61	48
8 4	23 26.29	+14 24.4	0.999	1.834	24.6	19.7	131 W	59	50
8 14	23 24.46	+11 4.9	0.963	1.872	19.2	19.5	143 W	56	53
8 24	23 19.93	+ 6 57.8	0.946	1.911	12.9	19.2	155 W	52	57
9 3	23 13.73	+ 2 20.9	0.953	1.951	6.1	19.0	168 W	47	62
9 8	23 10.40	− 0 0.7	0.967	1.972	3.0	18.9	174 W	45	64
9 13	23 7.17	− 2 19.5	0.988	1.993	2.2	18.9	176 E	43	66
9 18	23 4.20	− 4 32.0	1.017	2.014	4.8	19.2	170 E	40	69
9 23	23 1.62	− 6 35.5	1.052	2.036	7.7	19.4	164 E	38	71
9 28	22 59.54	− 8 28.1	1.094	2.057	10.5	19.6	158 E	37	72
10 3	22 58.05	−10 8.4	1.142	2.079	13.1	19.8	152 E	35	74
10 13	22 57.02	−12 50.5	1.255	2.123	17.3	20.2	141 E	32	77
10 23	22 58.67	−14 43.3	1.387	2.167	20.5	20.6	130 E	30	79
11 2	23 2.82	−15 53.1	1.533	2.212	22.7	20.9	121 E	29	80
11 12	23 9.17	−16 27.1	1.690	2.256	24.0	21.2	112 E	29	80
11 22	23 17.37	−16 32.6	1.855	2.300	24.6	21.5	104 E	28	81

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1 6	16 51.38	−29 40.5	2.559	1.793	16.6	21.5	31 W	6*	25*
1 11	17 6.57	−29 59.4	2.512	1.770	17.6	21.5	33 W	7*	27*
1 16	17 22.04	−30 12.8	2.465	1.748	18.7	21.4	35 W	7*	28*
1 21	17 37.79	−30 20.1	2.417	1.725	19.7	21.4	36 W	7*	30*
1 26	17 53.77	−30 21.2	2.370	1.704	20.8	21.4	38 W	7*	32*
1 31	18 9.96	−30 15.5	2.324	1.683	21.8	21.3	39 W	6*	33*
2 5	18 26.31	−30 2.8	2.278	1.662	22.8	21.3	41 W	6*	35*
2 10	18 42.79	−29 43.0	2.232	1.642	23.8	21.2	42 W	6*	36*
2 15	18 59.35	−29 15.7	2.187	1.622	24.8	21.2	44 W	6*	38*
2 20	19 15.93	−28 40.9	2.143	1.603	25.8	21.2	45 W	7*	39*
2 25	19 32.51	−27 58.6	2.100	1.585	26.8	21.1	46 W	7*	40*
3 2	19 49.02	−27 8.7	2.058	1.568	27.7	21.1	47 W	7*	41*
3 7	20 5.44	−26 11.3	2.017	1.551	28.7	21.0	49 W	7*	42*
3 12	20 21.73	−25 6.6	1.977	1.535	29.6	21.0	50 W	7*	44*
3 17	20 37.85	−23 54.9	1.939	1.521	30.5	21.0	51 W	7*	45*
3 22	20 53.77	−22 36.5	1.902	1.507	31.3	20.9	52 W	8*	46*
3 27	21 9.46	−21 11.7	1.866	1.494	32.2	20.9	53 W	8*	47*
4 1	21 24.92	−19 41.0	1.832	1.483	33.0	20.9	54 W	9*	48*
4 6	21 40.12	−18 4.8	1.800	1.472	33.8	20.8	55 W	9*	49*
4 11	21 55.07	−16 23.7	1.768	1.463	34.5	20.8	56 W	10*	50*
4 16	22 9.74	−14 38.1	1.738	1.455	35.2	20.8	57 W	11*	51*
4 21	22 24.14	−12 48.8	1.710	1.449	35.9	20.7	58 W	12*	52*
4 26	22 38.28	−10 56.2	1.683	1.444	36.5	20.7	59 W	13*	53*
5 1	22 52.15	− 9 0.9	1.657	1.440	37.1	20.7	60 W	14*	53*
5 6	23 5.76	− 7 3.5	1.632	1.438	37.7	20.7	61 W	15*	54*
5 11	23 19.12	− 5 4.7	1.609	1.437	38.2	20.7	62 W	17*	54*
5 16	23 32.23	− 3 4.9	1.586	1.437	38.7	20.6	63 W	18*	55*
5 21	23 45.10	− 1 4.8	1.564	1.439	39.1	20.6	64 W	20*	55*
5 26	23 57.72	+ 0 55.1	1.543	1.442	39.5	20.6	65 W	22*	55*
5 31	0 10.11	+ 2 54.3	1.523	1.447	39.8	20.6	66 W	24*	55*
6 5	0 22.28	+ 4 52.5	1.503	1.453	40.1	20.6	67 W	26*	54*
6 10	0 34.20	+ 6 49.1	1.484	1.460	40.3	20.6	69 W	28*	54*
6 15	0 45.88	+ 8 43.7	1.465	1.468	40.5	20.6	70 W	31*	53*
6 20	0 57.32	+10 36.0	1.446	1.478	40.6	20.5	71 W	34*	52*
6 25	1 8.49	+12 25.8	1.427	1.489	40.7	20.5	73 W	37*	51*
6 30	1 19.40	+14 12.7	1.408	1.501	40.7	20.5	75 W	40*	49*
7 5	1 30.03	+15 56.6	1.389	1.515	40.7	20.5	76 W	43*	48*
7 10	1 40.33	+17 37.3	1.370	1.529	40.6	20.5	78 W	47*	46*
7 15	1 50.28	+19 14.7	1.350	1.544	40.4	20.5	80 W	50*	45
7 25	2 9.01	+22 18.9	1.310	1.577	39.9	20.5	84 W	57*	42
8 4	2 25.88	+25 9.1	1.268	1.614	38.9	20.4	89 W	64*	39
8 14	2 40.41	+27 45.0	1.225	1.653	37.6	20.3	95 W	71*	36
8 19	2 46.63	+28 57.6	1.203	1.674	36.8	20.3	98 W	73*	35
8 24	2 52.06	+30 6.5	1.181	1.695	35.9	20.3	101 W	75*	34
8 29	2 56.61	+31 11.7	1.160	1.716	34.8	20.2	104 W	76	33
9 3	3 0.19	+32 12.9	1.138	1.738	33.5	20.2	108 W	77	32
9 8	3 2.72	+33 9.8	1.117	1.760	32.1	20.1	112 W	78	31
9 13	3 4.11	+34 1.8	1.098	1.783	30.5	20.1	116 W	79	30
9 18	3 4.32	+34 48.5	1.079	1.806	28.8	20.0	120 W	80	29
9 23	3 3.30	+35 29.1	1.063	1.829	26.9	20.0	124 W	80	29
9 28	3 1.06	+36 2.7	1.049	1.852	24.8	19.9	129 W	81	28

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21/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
	h m	° ′			°	m	°	°	°
10 3	2 57.62	+36 28.3	1.038	1.876	22.6	19.8	134 W	81	28
10 8	2 53.06	+36 44.8	1.030	1.899	20.3	19.8	139 W	82	27
10 13	2 47.56	+36 51.4	1.026	1.923	17.9	19.7	144 W	82	27
10 18	2 41.33	+36 47.6	1.027	1.947	15.6	19.7	148 W	82	27
10 23	2 34.64	+36 33.3	1.033	1.971	13.3	19.6	153 W	82	27
10 28	2 27.77	+36 9.0	1.044	1.995	11.5	19.6	156 W	81	28
11 2	2 21.02	+35 35.5	1.061	2.019	10.1	19.6	159 E	81	28
11 7	2 14.66	+34 54.4	1.084	2.043	9.6	19.7	160 E	80	29
11 12	2 8.95	+34 7.6	1.112	2.067	10.0	19.8	159 E	79	30
11 17	2 4.05	+33 17.3	1.147	2.090	11.0	19.9	156 E	78	31
11 22	2 0.08	+32 25.4	1.188	2.114	12.4	20.0	153 E	77	32
11 27	1 57.09	+31 33.9	1.234	2.138	14.0	20.2	148 E	77	32
12 2	1 55.11	+30 44.1	1.285	2.161	15.6	20.4	144 E	76	33
12 7	1 54.11	+29 57.5	1.342	2.185	17.1	20.5	139 E	75	34
12 12	1 54.06	+29 14.9	1.402	2.208	18.5	20.7	135 E	74	35
12 17	1 54.90	+28 36.8	1.467	2.231	19.7	20.9	130 E	74	35
12 22	1 56.54	+28 3.6	1.536	2.254	20.8	21.0	126 E	73	36
12 27	1 58.93	+27 35.3	1.608	2.277	21.7	21.2	121 E	73	36
1 1	2 1.99	+27 11.8	1.683	2.300	22.4	21.3	117 E	72	37*
1 6	2 5.67	+26 52.9	1.760	2.322	23.0	21.5	113 E	72	37*

190716 2001 KH_{32}

1 6	16 52.17	−20 16.9	2.927	2.152	13.8	21.5	32 W	15*	21*
1 16	17 14.56	−20 49.1	2.829	2.120	16.0	21.5	36 W	16*	27*
1 26	17 37.30	−21 9.6	2.723	2.087	18.1	21.4	41 W	16*	33*
2 5	18 0.32	−21 17.9	2.612	2.055	20.2	21.4	46 W	17*	38*
2 15	18 23.53	−21 13.6	2.496	2.022	22.2	21.3	51 W	17*	44*
2 25	18 46.82	−20 56.7	2.377	1.990	24.2	21.2	55 W	18*	49*
3 7	19 10.12	−20 27.3	2.255	1.957	26.0	21.1	60 W	18*	53*
3 17	19 33.33	−19 45.9	2.132	1.925	27.8	21.0	64 W	18*	58*
3 27	19 56.35	−18 53.3	2.009	1.894	29.4	20.9	69 W	19*	63*
4 6	20 19.11	−17 50.5	1.886	1.863	30.9	20.8	73 W	20*	67*
4 16	20 41.54	−16 38.6	1.765	1.833	32.3	20.6	78 W	20*	71*
4 26	21 3.54	−15 19.4	1.646	1.804	33.5	20.5	82 W	22*	74*
5 6	21 25.07	−13 54.6	1.531	1.776	34.5	20.3	86 W	23*	76*
5 16	21 46.01	−12 26.4	1.418	1.750	35.3	20.1	91 W	25*	76*
5 26	22 6.26	−10 57.5	1.311	1.725	35.8	19.9	95 W	27*	75
6 5	22 25.71	− 9 30.5	1.208	1.702	36.0	19.7	100 W	30*	74
6 15	22 44.13	− 8 8.8	1.110	1.681	35.8	19.5	104 W	33*	72
6 25	23 1.30	− 6 56.2	1.018	1.662	35.2	19.3	110 W	36*	71
7 5	23 16.90	− 5 56.6	0.933	1.646	34.0	19.0	115 W	38*	70
7 15	23 30.49	− 5 14.3	0.854	1.632	32.2	18.8	121 W	40*	69
7 25	23 41.60	− 4 53.5	0.784	1.621	29.5	18.5	128 W	40	69
8 4	23 49.69	− 4 57.6	0.723	1.613	26.0	18.2	136 W	40	69
8 14	23 54.27	− 5 28.3	0.673	1.609	21.5	17.9	144 W	40	69
8 24	23 55.15	− 6 23.2	0.636	1.607	16.1	17.6	154 W	39	70
8 29	23 54.27	− 6 57.5	0.623	1.607	13.1	17.5	159 W	38	71
9 3	23 52.62	− 7 34.7	0.614	1.608	10.0	17.3	164 W	37	72
9 8	23 50.34	− 8 12.9	0.610	1.610	7.1	17.2	169 W	37	72
9 13	23 47.64	− 8 50.2	0.609	1.612	4.8	17.1	172 W	36	73
9 18	23 44.74	− 9 24.4	0.614	1.616	4.6	17.1	173 W	36	73
9 23	23 41.88	− 9 53.7	0.623	1.620	6.7	17.2	169 E	35	74
9 28	23 39.26	−10 16.8	0.637	1.624	9.5	17.4	165 E	35	74
10 3	23 37.09	−10 32.7	0.654	1.630	12.4	17.6	160 E	34	75
10 13	23 34.72	−10 40.2	0.703	1.643	17.9	17.9	150 E	34	75
10 23	23 35.59	−10 15.7	0.767	1.659	22.5	18.3	140 E	35	74
11 2	23 39.78	− 9 23.1	0.844	1.677	26.2	18.6	132 E	36	73
11 7	23 43.05	− 8 47.8	0.887	1.687	27.6	18.8	128 E	36	73
11 12	23 47.04	− 8 7.3	0.932	1.698	28.9	19.0	124 E	37	72
11 17	23 51.69	− 7 22.3	0.980	1.709	29.9	19.1	120 E	38	71
11 22	23 56.93	− 6 33.4	1.030	1.720	30.8	19.3	117 E	38	71
12 2	0 8.92	− 4 46.3	1.137	1.745	32.0	19.5	110 E	40	69
12 12	0 22.63	− 2 49.6	1.251	1.771	32.6	19.8	104 E	42	67*
12 22	0 37.68	− 0 46.6	1.370	1.798	32.8	20.0	98 E	44	63*
1 1	0 53.79	+ 1 19.9	1.495	1.827	32.5	20.3	93 E	46	58*
1 11	1 10.78	+ 3 27.6	1.624	1.857	31.9	20.5	87 E	48	53*
1 21	1 28.47	+ 5 34.5	1.755	1.888	31.1	20.6	82 E	51	48*

69230 Hermes

1 6	16 54.52	−15 0.9	0.499	0.622	122.2	20.0	32 W	19*	19*
1 11	16 54.34	−16 9.6	0.568	0.631	110.1	19.4	37 W	20*	25*
1 16	16 58.83	−17 21.1	0.637	0.651	99.6	19.2	41 W	20*	29*
1 21	17 6.55	−18 30.6	0.705	0.680	90.5	19.1	44 W	20*	33*
1 26	17 16.36	−19 35.0	0.768	0.718	82.9	19.1	46 W	20*	37*
1 31	17 27.40	−20 32.8	0.826	0.761	76.6	19.2	49 W	19*	40*
2 5	17 39.05	−21 23.3	0.878	0.809	71.4	19.3	51 W	19*	43*
2 10	17 50.87	−22 6.7	0.924	0.859	67.1	19.4	53 W	18*	46*
2 15	18 2.56	−22 43.6	0.963	0.911	63.5	19.5	56 W	18*	49*
2 20	18 13.91	−23 14.9	0.997	0.964	60.5	19.6	58 W	17*	51*

69230 Hermes *(continuation)*

2021	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
	h m	° ′			°	m	°	°	°
2 25	18 24.78	−23 41.4	1.024	1.017	58.0	19.7	61 W	17*	54*
3 2	18 35.08	−24 4.2	1.047	1.071	55.8	19.8	63 W	17*	57*
3 7	18 44.75	−24 24.0	1.063	1.124	53.9	19.9	66 W	16*	60*
3 12	18 53.71	−24 41.8	1.075	1.176	52.1	19.9	69 W	16*	63*
3 17	19 1.91	−24 58.4	1.082	1.228	50.5	20.0	72 W	16*	66*
3 27	19 15.80	−25 31.0	1.084	1.329	47.5	20.1	79 W	16*	73*
4 6	19 26.06	−26 7.7	1.071	1.425	44.5	20.1	87 W	16*	81*
4 16	19 32.14	−26 53.2	1.048	1.518	41.2	20.1	95 W	16*	89*
4 26	19 33.41	−27 50.9	1.018	1.606	37.3	20.1	105 W	16*	88
5 1	19 32.04	−28 24.7	1.002	1.648	35.0	20.0	110 W	16*	88
5 6	19 29.23	−29 1.5	0.987	1.690	32.6	20.0	116 W	16*	87
5 11	19 24.90	−29 40.7	0.973	1.730	29.9	19.9	121 W	15*	86
5 16	19 19.02	−30 21.3	0.961	1.769	27.0	19.9	127 W	15	86
5 21	19 11.62	−31 2.0	0.953	1.808	23.8	19.8	134 W	14	85
5 26	19 2.80	−31 41.1	0.948	1.845	20.5	19.7	140 W	13	84
5 31	18 52.72	−32 16.5	0.948	1.881	17.1	19.7	147 W	13	84
6 5	18 41.65	−32 46.5	0.954	1.917	13.6	19.6	154 W	12	83
6 10	18 29.92	−33 9.5	0.965	1.951	10.2	19.5	160 W	12	83
6 15	18 17.94	−33 24.4	0.984	1.984	7.2	19.5	166 W	12	83
6 20	18 6.13	−33 31.0	1.009	2.017	5.2	19.5	170 W	11	82
6 25	17 54.91	−33 29.7	1.042	2.049	5.4	19.6	169 E	12	83
6 30	17 44.57	−33 21.7	1.081	2.079	7.3	19.8	165 E	12	83
7 5	17 35.35	−33 8.4	1.127	2.109	9.7	20.0	159 E	12	83
7 10	17 27.41	−32 51.3	1.179	2.138	12.2	20.2	154 E	12	83
7 15	17 20.83	−32 31.9	1.237	2.166	14.4	20.5	148 E	12	83
7 20	17 15.60	−32 11.6	1.300	2.194	16.4	20.7	142 E	13	84
7 25	17 11.69	−31 51.4	1.367	2.220	18.2	20.9	137 E	13	84
7 30	17 8.99	−31 31.9	1.439	2.246	19.7	21.0	132 E	13	84
8 4	17 7.43	−31 13.7	1.514	2.271	21.0	21.2	127 E	14	85
8 9	17 6.91	−30 56.9	1.592	2.295	22.0	21.4	122 E	14	85

219021 1991 *LH*

2021	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
1 6	18 2.08	−43 38.4	0.912	0.417	87.1	17.9	25 W	—	16*
1 7	18 5.31	−44 5.2	0.940	0.429	82.7	17.8	26 W	—	16*
1 8	18 8.68	−44 25.9	0.969	0.442	78.7	17.8	26 W	—	16*
1 9	18 12.16	−44 41.4	0.997	0.456	75.0	17.8	27 W	—	17*
1 10	18 15.72	−44 52.3	1.024	0.469	71.7	17.8	27 W	—	17*
1 11	18 19.32	−44 59.4	1.051	0.484	68.5	17.8	27 W	—	17*
1 12	18 22.95	−45 3.1	1.077	0.499	65.7	17.9	28 W	—	17*
1 13	18 26.58	−45 3.8	1.103	0.514	63.1	17.9	28 W	—	18*
1 14	18 30.20	−45 2.0	1.128	0.529	60.6	17.9	28 W	—	18*
1 15	18 33.80	−44 58.1	1.152	0.544	58.4	18.0	28 W	—	18*
1 16	18 37.35	−44 52.3	1.176	0.560	56.4	18.0	28 W	—	18*
1 18	18 44.33	−44 36.0	1.221	0.592	52.8	18.1	29 W	—	19*
1 20	18 51.08	−44 15.0	1.264	0.623	49.7	18.2	29 W	—	19*
1 22	18 57.59	−43 50.4	1.305	0.655	47.1	18.3	29 W	—	19*
1 24	19 3.85	−43 23.1	1.343	0.687	44.9	18.4	30 W	—	20*
1 26	19 9.85	−42 54.0	1.379	0.718	43.0	18.5	30 W	—	20*
1 31	19 23.81	−41 35.9	1.460	0.796	39.5	18.8	31 W	—	22*
2 5	19 36.40	−40 14.2	1.528	0.871	37.1	19.0	32 W	—	23*
2 10	19 47.80	−38 51.9	1.586	0.943	35.6	19.2	34 W	—	25*
2 15	19 58.14	−37 30.4	1.634	1.012	34.7	19.4	36 W	—	27*
2 20	20 7.56	−36 10.5	1.672	1.079	34.3	19.6	38 W	—	30*
2 25	20 16.15	−34 52.4	1.702	1.143	34.1	19.8	40 W	—	32*
3 2	20 23.99	−33 36.3	1.723	1.205	34.1	19.9	43 W	—	35*
3 7	20 31.16	−32 22.3	1.737	1.264	34.2	20.0	46 W	—	38*
3 17	20 43.56	−30 0.3	1.744	1.375	34.7	20.2	52 W	2*	45*
3 27	20 53.48	−27 45.8	1.725	1.478	35.2	20.4	59 W	5*	52*
4 6	21 0.91	−25 37.7	1.685	1.573	35.6	20.5	66 W	8*	60*
4 16	21 5.64	−23 35.4	1.625	1.660	35.5	20.5	74 W	12*	68*
4 26	21 7.31	−21 37.9	1.552	1.741	35.0	20.5	83 W	16*	77*
5 6	21 5.44	−19 44.2	1.468	1.816	33.7	20.4	92 W	20*	83*
5 16	20 59.37	−17 53.1	1.381	1.885	31.5	20.3	103 W	24*	82
5 26	20 48.41	−16 3.2	1.296	1.948	28.2	20.2	115 W	28*	80
6 5	20 32.08	−14 13.1	1.221	2.006	23.7	20.0	127 W	31*	78
6 15	20 10.41	−12 22.5	1.167	2.059	18.0	19.7	141 W	33	76
6 20	19 57.87	−11 27.8	1.150	2.084	14.9	19.6	148 W	34	75
6 25	19 44.53	−10 34.1	1.142	2.107	11.7	19.5	155 W	34	75
6 30	19 30.73	− 9 42.2	1.142	2.130	8.9	19.4	161 W	35	74
7 5	19 16.82	− 8 53.3	1.152	2.151	6.9	19.4	165 W	36	73
7 10	19 3.22	− 8 8.3	1.171	2.171	6.7	19.4	166 E	37	72
7 15	18 50.28	− 7 28.1	1.200	2.190	8.3	19.6	162 E	38	71
7 25	18 27.50	− 6 23.7	1.284	2.224	13.1	19.9	150 E	39	70
8 4	18 9.87	− 5 41.0	1.397	2.254	17.6	20.3	138 E	39	70
8 14	17 57.60	− 5 17.2	1.532	2.280	21.1	20.6	126 E	40	69
8 24	17 50.25	− 5 7.3	1.682	2.302	23.4	20.9	115 E	40	69
9 3	17 47.06	− 5 6.7	1.839	2.320	24.8	21.2	105 E	40*	69
9 13	17 47.32	− 5 11.2	2.000	2.334	25.4	21.4	96 E	39*	69

162361 2000 AF_6

2021	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
	h m	° ′			°	m	°	°	°
1 6	18 2.80	−22 40.0	1.515	0.619	24.2	21.2	15 W	4*	7*
1 11	18 37.54	−22 35.6	1.509	0.584	20.6	20.9	12 W	1*	5*
1 16	19 13.32	−22 2.0	1.505	0.554	15.8	20.7	9 W	—	2*
1 21	19 49.68	−20 57.5	1.503	0.532	10.0	20.4	5 W	—	—
1 26	20 26.07	−19 22.6	1.502	0.519	3.4	20.0	2 W	—	—
1 31	21 1.93	−17 19.7	1.501	0.517	3.6	20.0	2 E	—	—
2 5	21 36.75	−14 53.6	1.499	0.527	10.4	20.4	6 E	—	—
2 10	22 10.20	−12 10.3	1.498	0.546	16.5	20.7	9 E	2*	1*
2 15	22 42.11	− 9 15.9	1.499	0.574	21.6	20.9	12 E	5*	3*
2 20	23 12.45	− 6 16.5	1.502	0.608	25.6	21.2	15 E	8*	5*
2 25	23 41.30	− 3 16.8	1.509	0.646	28.5	21.4	18 E	10*	7*

289227 2004 XY_{60}

2021	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
1 6	18 6.54	−19 41.6	0.784	0.298	124.2	20.9	15 W	5*	5*
1 7	18 14.40	−19 27.4	0.819	0.271	120.1	20.5	14 W	5*	4*
1 8	18 22.52	−19 16.6	0.857	0.243	114.7	20.0	13 W	5*	4*
1 9	18 31.10	−19 10.2	0.897	0.214	107.6	19.3	12 W	4*	3*
1 10	18 40.43	−19 9.2	0.940	0.187	97.8	18.6	11 W	3*	2*
1 11	18 50.90	−19 15.0	0.986	0.161	84.3	17.9	9 W	2*	1*
1 12	19 2.97	−19 29.2	1.032	0.141	66.0	17.0	8 W	—	—
1 13	19 16.92	−19 52.1	1.075	0.131	43.1	16.3	5 W	—	—
1 14	19 32.33	−20 20.8	1.109	0.134	19.1	15.7	3 W	—	—
1 15	19 48.16	−20 49.4	1.132	0.148	3.2	15.3	0 E	—	—
1 16	20 3.53	−21 13.8	1.146	0.171	17.1	16.3	3 E	—	—
1 17	20 18.08	−21 32.2	1.155	0.198	27.7	16.9	5 E	—	—
1 18	20 31.79	−21 44.8	1.160	0.226	35.2	17.4	8 E	—	1*
1 19	20 44.73	−21 52.1	1.163	0.254	40.5	17.8	10 E	—	3*
1 20	20 57.01	−21 54.8	1.166	0.282	44.3	18.2	12 E	—	5*
1 21	21 8.70	−21 53.3	1.169	0.309	47.0	18.5	13 E	1*	7*
1 22	21 19.87	−21 48.3	1.171	0.336	49.0	18.7	15 E	2*	8*
1 23	21 30.58	−21 40.1	1.174	0.362	50.5	18.9	16 E	3*	10*
1 24	21 40.86	−21 29.1	1.177	0.387	51.5	19.1	18 E	4*	11*
1 25	21 50.75	−21 15.6	1.181	0.411	52.2	19.3	19 E	5*	12*
1 26	22 0.27	−21 0.0	1.185	0.434	52.7	19.4	21 E	6*	13*
1 28	22 18.31	−20 23.2	1.195	0.479	53.1	19.6	23 E	7*	15*
1 30	22 35.12	−19 40.3	1.207	0.521	52.9	19.8	25 E	9*	17*
2 1	22 50.84	−18 53.0	1.221	0.561	52.4	20.0	27 E	10*	19*
2 3	23 5.57	−18 2.2	1.237	0.599	51.8	20.2	29 E	11*	20*
2 5	23 19.38	−17 9.1	1.254	0.634	50.9	20.3	30 E	12*	22*
2 10	23 50.45	−14 50.7	1.302	0.715	48.6	20.6	33 E	15*	24*
2 15	0 17.40	−12 30.6	1.355	0.786	46.1	20.8	35 E	17*	26*
2 20	0 41.08	−10 13.7	1.412	0.849	43.6	21.0	36 E	18*	27*
2 25	1 2.19	− 8 2.6	1.470	0.904	41.3	21.1	37 E	19*	27*
3 2	1 21.25	− 5 58.3	1.528	0.953	39.1	21.3	37 E	20*	27*
3 7	1 38.70	− 4 1.0	1.586	0.995	37.0	21.4	37 E	20*	27*
3 12	1 54.87	− 2 10.5	1.642	1.032	35.1	21.5	37 E	20*	26*

280742 2005 LY_{42}

2021	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
1 6	19 7.39	−23 29.9	2.407	1.424	0.7	21.4	1 W	—	—
1 16	19 42.41	−22 13.8	2.388	1.406	1.7	21.4	2 W	—	—
1 26	20 17.11	−20 29.2	2.373	1.393	3.0	21.5	4 W	—	—
2 5	20 51.18	−18 18.9	2.362	1.385	4.2	21.6	6 W	—	—
2 15	21 24.40	−15 46.4	2.355	1.383	5.5	21.6	8 W	—	2*

481381 2006 OS_5

2021	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
1 6	19 11.40	−24 23.7	2.476	1.493	1.4	21.3	2 E	—	—
1 16	19 42.52	−21 36.8	2.410	1.427	1.4	21.2	2 W	—	—
1 26	20 13.97	−18 18.4	2.345	1.366	3.3	21.2	5 W	—	—
2 5	20 45.69	−14 28.7	2.282	1.310	5.3	21.1	7 W	—	—
2 15	21 17.71	−10 9.4	2.226	1.261	7.2	21.1	9 W	2*	1*
2 25	21 50.09	− 5 24.4	2.177	1.221	9.0	21.0	11 W	4*	2*
3 7	22 22.98	− 0 19.7	2.139	1.192	10.6	21.0	13 W	6*	2*
3 17	22 56.56	+ 4 56.3	2.114	1.174	11.9	21.0	14 W	7*	2*
3 27	23 30.99	+10 13.5	2.103	1.168	12.8	21.0	15 W	9*	2*
4 6	0 6.40	+15 20.1	2.107	1.176	13.4	21.0	16 W	10*	2*
4 16	0 42.85	+20 5.0	2.125	1.196	13.6	21.1	16 W	10*	1*
4 26	1 20.21	+24 18.1	2.157	1.227	13.6	21.2	17 W	11*	—
5 6	1 58.21	+27 51.9	2.200	1.268	13.3	21.3	17 W	11*	—
5 16	2 36.42	+30 42.4	2.252	1.318	12.9	21.4	17 W	11*	—

497887 2006 UM_{266}

2021	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
1 6	19 13.32	−27 10.7	2.737	1.760	2.7	21.5	5 E	—	—
1 16	19 43.18	−26 20.3	2.710	1.734	3.2	21.5	6 W	—	—
1 26	20 13.07	−25 8.3	2.681	1.711	4.5	21.5	8 W	—	1*
2 5	20 42.77	−23 35.7	2.649	1.690	6.2	21.5	11 W	—	4*
2 15	21 12.12	−21 43.6	2.617	1.672	7.9	21.6	13 W	—	7*

313087 2000 UD_{12}

21/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
	h m	° ′			°	m	°	°	°
1 6	19 18.99	−21 16.8	2.912	1.931	1.5	21.3	3 E	—	—
1 16	19 44.66	−20 47.7	2.883	1.900	0.8	21.2	2 W	—	—
1 26	20 10.64	−20 3.2	2.847	1.870	2.9	21.3	5 W	—	—
2 5	20 36.84	−19 3.7	2.806	1.841	5.0	21.4	9 W	—	3*
2 15	21 3.15	−17 49.7	2.760	1.813	7.2	21.4	13 W	—	7*
2 25	21 29.51	−16 22.2	2.710	1.787	9.3	21.4	17 W	—	11*
3 7	21 55.85	−14 42.5	2.658	1.762	11.3	21.5	20 W	—	14*
3 17	22 22.16	−12 52.2	2.603	1.739	13.3	21.5	24 W	1*	18*
3 27	22 48.39	−10 53.0	2.546	1.718	15.3	21.4	27 W	1*	21*
4 6	23 14.57	− 8 46.9	2.489	1.700	17.2	21.4	30 W	2*	24*
4 16	23 40.69	− 6 36.1	2.431	1.684	19.1	21.4	33 W	2*	27*
4 26	0 6.76	− 4 22.9	2.374	1.671	20.8	21.4	36 W	3*	30*
5 6	0 32.79	− 2 9.7	2.317	1.660	22.5	21.4	39 W	4*	33*
5 16	0 58.80	+ 0 1.2	2.261	1.652	24.1	21.4	42 W	6*	36*
5 26	1 24.76	+ 2 7.4	2.206	1.648	25.6	21.4	45 W	8*	38*
6 5	1 50.65	+ 4 6.6	2.152	1.646	27.0	21.4	47 W	10*	41*
6 15	2 16.43	+ 5 56.6	2.098	1.647	28.3	21.3	50 W	13*	43*
6 25	2 42.00	+ 7 35.7	2.044	1.652	29.6	21.3	53 W	17*	44*
7 5	3 7.28	+ 9 2.4	1.990	1.659	30.7	21.3	56 W	22*	45*
7 15	3 32.12	+10 15.5	1.935	1.669	31.7	21.3	60 W	27*	46*
7 25	3 56.36	+11 14.4	1.879	1.682	32.6	21.3	63 W	32*	47*
8 4	4 19.82	+11 58.9	1.821	1.698	33.3	21.2	67 W	37*	48*
8 14	4 42.28	+12 29.5	1.760	1.716	33.9	21.2	71 W	42*	48*
8 24	5 3.49	+12 47.0	1.698	1.736	34.2	21.2	75 W	47*	49*
9 3	5 23.23	+12 52.9	1.633	1.759	34.4	21.1	80 W	51*	49*
9 13	5 41.16	+12 49.1	1.565	1.783	34.2	21.0	85 W	55*	50*
9 23	5 56.98	+12 37.9	1.495	1.809	33.7	21.0	91 W	57*	51*
10 3	6 10.35	+12 22.2	1.423	1.837	32.7	20.9	97 W	57	52*
10 13	6 20.83	+12 5.4	1.352	1.866	31.2	20.7	104 W	57	52
10 23	6 28.01	+11 51.4	1.283	1.896	29.1	20.6	112 W	57	52
11 2	6 31.48	+11 44.0	1.218	1.927	26.2	20.4	121 W	57	52
11 12	6 30.88	+11 47.3	1.162	1.958	22.5	20.3	131 W	57	52
11 22	6 26.21	+12 4.8	1.119	1.990	17.9	20.1	142 W	57	52
12 2	6 17.84	+12 38.0	1.094	2.023	12.7	19.9	153 W	58	51
12 12	6 6.79	+13 26.1	1.090	2.056	7.3	19.7	165 W	58	51
12 17	6 0.77	+13 54.9	1.098	2.073	5.1	19.6	169 W	59	50
12 22	5 54.70	+14 26.0	1.112	2.089	4.3	19.6	171 E	59	50
12 27	5 48.82	+14 58.8	1.133	2.106	5.3	19.7	168 E	60	49
1 1	5 43.34	+15 32.7	1.160	2.122	7.4	19.9	164 E	61	48
1 6	5 38.45	+16 7.2	1.194	2.139	9.8	20.1	158 E	61	48
1 11	5 34.28	+16 41.9	1.234	2.155	12.1	20.3	153 E	62	47
1 16	5 30.96	+17 16.2	1.280	2.172	14.3	20.4	147 E	62	47
1 21	5 28.52	+17 50.0	1.330	2.188	16.2	20.6	142 E	63	46

259430 2003 SN_6

21/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
1 6	19 20.96	−17 14.4	2.824	1.850	3.3	21.4	6 E	—	—
1 16	19 46.97	−16 13.4	2.792	1.814	2.6	21.3	5 W	—	—
1 26	20 13.29	−14 56.0	2.756	1.780	3.4	21.3	6 W	—	—
2 5	20 39.82	−13 22.7	2.715	1.747	4.9	21.3	9 W	2*	—
2 15	21 6.49	−11 34.4	2.672	1.716	6.7	21.3	12 W	3*	4*
2 25	21 33.25	− 9 32.3	2.627	1.687	8.5	21.3	15 W	4*	7*
3 7	22 0.07	− 7 18.2	2.581	1.661	10.3	21.3	17 W	5*	10*
3 17	22 26.95	− 4 53.9	2.535	1.637	12.1	21.3	20 W	6*	13*
3 27	22 53.88	− 2 22.1	2.489	1.616	13.8	21.3	23 W	6*	16*
4 6	23 20.89	+ 0 14.8	2.445	1.599	15.5	21.3	25 W	7*	19*
4 16	23 48.03	+ 2 53.8	2.402	1.584	17.2	21.3	28 W	8*	21*
4 26	0 15.31	+ 5 31.9	2.360	1.574	18.7	21.3	30 W	9*	23*
5 6	0 42.76	+ 8 5.9	2.320	1.567	20.3	21.3	33 W	10*	25*
5 16	1 10.40	+10 33.0	2.282	1.564	21.7	21.3	35 W	11*	27*
5 26	1 38.20	+12 49.9	2.245	1.565	23.1	21.3	37 W	13*	29*
6 5	2 6.12	+14 54.1	2.208	1.570	24.4	21.3	40 W	15*	31*
6 15	2 34.09	+16 43.3	2.172	1.579	25.7	21.4	42 W	18*	32*
6 25	3 1.97	+18 15.3	2.136	1.591	26.9	21.4	45 W	21*	33*
7 5	3 29.62	+19 29.0	2.098	1.607	28.1	21.4	48 W	25*	34*
7 15	3 56.84	+20 23.4	2.059	1.627	29.1	21.4	51 W	29*	35*
7 25	4 23.41	+20 58.3	2.017	1.649	30.1	21.4	54 W	34*	35*
8 4	4 49.12	+21 14.2	1.973	1.674	30.9	21.4	58 W	39*	36*
8 14	5 13.70	+21 12.0	1.924	1.702	31.7	21.4	62 W	43*	37*
8 24	5 36.91	+20 53.1	1.872	1.732	32.3	21.4	66 W	48*	38*
9 3	5 58.53	+20 19.5	1.816	1.764	32.7	21.4	71 W	53*	40*
9 13	6 18.29	+19 33.2	1.755	1.797	32.9	21.4	76 W	57*	41*
9 23	6 35.95	+18 36.6	1.690	1.832	32.8	21.3	81 W	60*	43*
10 3	6 51.26	+17 32.3	1.622	1.868	32.4	21.3	87 W	62*	45*
10 13	7 3.89	+16 23.1	1.552	1.905	31.5	21.2	94 W	61	47*
10 23	7 13.52	+15 11.9	1.481	1.943	30.1	21.1	102 W	60	49*
11 2	7 19.83	+14 1.7	1.412	1.981	28.1	21.0	110 W	59	50
11 12	7 22.45	+12 55.9	1.347	2.020	25.4	20.8	119 W	58	51
11 22	7 21.20	+11 58.1	1.291	2.058	22.0	20.7	129 W	57	52
12 2	7 16.08	+11 11.5	1.248	2.097	17.8	20.5	139 W	56	53
12 12	7 7.53	+10 39.4	1.223	2.136	13.1	20.3	151 W	56	53
12 22	6 56.56	+10 23.6	1.220	2.175	8.4	20.2	161 W	55	54

259430 2003 SN_6 *(continuation)*

21/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
	h m	° ′			°	m	°	°	°
1 1	6 44.62	+10 24.0	1.243	2.213	5.6	20.1	167 W	55	54
1 11	6 33.33	+10 39.2	1.293	2.251	7.5	20.4	163 E	56	53
1 21	6 24.13	+11 5.8	1.369	2.288	11.4	20.7	153 E	56	53

405421 2004 RB_{321}

21/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
1 6	19 23.07	−19 1.6	2.751	1.774	2.8	21.4	5 E	—	—
1 16	19 50.31	−17 48.0	2.732	1.750	1.8	21.3	3 W	—	—
1 26	20 17.54	−16 17.2	2.709	1.729	2.6	21.3	5 W	—	—
2 5	20 44.67	−14 30.3	2.683	1.709	4.2	21.4	7 W	—	—
2 15	21 11.62	−12 28.5	2.655	1.692	6.0	21.4	10 W	1*	3*
2 25	21 38.32	−10 13.8	2.625	1.677	7.8	21.5	13 W	3*	6*

405072 2001 UT_8

21/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
1 6	19 52.88	−25 15.9	2.624	1.668	6.3	21.5	11 E	—	4*
1 16	20 22.76	−23 39.2	2.624	1.655	4.6	21.4	8 E	—	2*
1 26	20 52.15	−21 42.6	2.622	1.644	3.2	21.3	5 E	—	—
2 5	21 20.92	−19 28.3	2.619	1.636	2.3	21.2	4 E	—	—
2 15	21 49.03	−16 58.9	2.614	1.631	2.6	21.2	4 W	—	—
2 25	22 16.41	−14 17.0	2.609	1.629	3.9	21.3	6 W	—	—
3 7	22 43.11	−11 25.8	2.603	1.630	5.4	21.4	9 W	—	3*
3 17	23 9.16	− 8 28.0	2.596	1.634	7.1	21.5	12 W	—	5*

467351 2003 KO_2

21/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
1 6	19 54.62	−11 53.1	1.469	0.583	26.7	21.4	15 E	9*	—
1 11	20 21.80	−11 34.0	1.390	0.523	31.6	21.2	16 E	10*	—
1 16	20 50.74	−11 22.8	1.301	0.464	38.9	21.0	17 E	11*	2*
1 21	21 21.13	−11 30.0	1.199	0.411	49.6	20.8	19 E	11*	5*
1 26	21 51.82	−12 12.6	1.083	0.372	64.9	20.8	20 E	11*	8*
1 31	22 20.26	−13 51.1	0.956	0.356	84.0	21.1	21 E	10*	11*

496005 2007 XJ_{16}

21/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
1 6	20 1.63	−20 26.4	1.995	1.058	11.8	21.4	13 E	4*	4*
1 16	20 44.43	−17 21.9	1.958	1.024	12.6	21.4	13 E	5*	3*
1 26	21 27.11	−13 36.4	1.932	1.005	13.6	21.3	14 E	7*	3*
2 5	22 9.20	− 9 19.4	1.921	1.002	14.7	21.3	15 E	8*	3*
2 15	22 50.43	− 4 42.9	1.926	1.015	15.7	21.4	16 E	9*	3*

285085 1992 UM_7

21/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
1 6	20 6.41	−16 43.7	2.596	1.666	8.8	21.5	15 E	7*	3*
1 16	20 34.71	−15 15.8	2.610	1.659	7.0	21.4	12 E	5*	—
1 26	21 2.70	−13 32.3	2.622	1.655	5.2	21.3	9 E	3*	—
2 5	21 30.30	−11 35.3	2.631	1.654	3.5	21.2	6 E	—	—
2 15	21 57.46	− 9 27.1	2.640	1.655	2.0	21.1	3 E	—	—
2 25	22 24.15	− 7 10.2	2.646	1.658	1.7	21.1	3 W	—	—
3 7	22 50.37	− 4 47.1	2.651	1.664	2.9	21.2	5 W	—	—
3 17	23 16.18	− 2 20.4	2.654	1.673	4.5	21.3	8 W	—	1*
3 27	23 41.59	+ 0 7.4	2.654	1.684	6.3	21.4	11 W	—	4*

469338 2000 SF_{137}

21/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
1 6	20 11.60	−19 2.8	2.608	1.680	8.9	21.4	15 E	6*	6*
1 16	20 39.80	−17 4.8	2.606	1.658	7.2	21.3	12 E	5*	2*
1 26	21 7.85	−14 49.7	2.603	1.639	5.5	21.2	9 E	3*	—
2 5	21 35.66	−12 19.3	2.600	1.624	3.9	21.1	6 E	—	—
2 15	22 3.20	− 9 36.1	2.597	1.613	2.4	21.0	4 E	—	—
2 25	22 30.42	− 6 42.7	2.594	1.606	1.6	20.9	3 W	—	—
3 7	22 57.34	− 3 42.2	2.593	1.603	2.2	20.9	4 W	—	—
3 17	23 24.00	− 0 37.5	2.592	1.605	3.5	21.0	6 W	—	—
3 27	23 50.43	+ 2 28.0	2.592	1.611	5.0	21.1	8 W	—	1*
4 6	0 16.67	+ 5 31.5	2.594	1.621	6.6	21.2	11 W	1*	4*
4 16	0 42.78	+ 8 30.0	2.596	1.635	8.1	21.3	13 W	2*	6*
4 26	1 8.78	+11 20.9	2.598	1.653	9.6	21.4	16 W	3*	9*
5 6	1 34.70	+14 1.7	2.599	1.675	11.2	21.5	19 W	5*	12*

416404 2003 US_{131}

21/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
1 6	20 11.65	−16 25.4	2.622	1.701	9.3	21.5	16 E	8*	4*
1 16	20 38.79	−14 41.8	2.612	1.668	7.6	21.3	13 E	6*	1*
1 26	21 6.15	−12 41.6	2.599	1.638	6.0	21.2	10 E	4*	—
2 5	21 33.64	−10 26.0	2.583	1.610	4.5	21.1	7 E	1*	—
2 15	22 1.24	− 7 56.7	2.567	1.586	3.2	21.0	5 E	—	—
2 25	22 28.91	− 5 16.1	2.550	1.564	2.5	20.9	4 W	—	—
3 7	22 56.65	− 2 26.7	2.534	1.547	2.8	20.9	4 W	—	—
3 17	23 24.50	+ 0 28.5	2.520	1.533	3.8	20.9	6 W	—	—
3 27	23 52.49	+ 3 26.2	2.507	1.524	5.0	20.9	8 W	—	—
4 6	0 20.66	+ 6 22.9	2.496	1.519	6.3	21.0	10 W	1*	3*
4 16	0 49.05	+ 9 15.2	2.488	1.518	7.7	21.0	12 W	1*	5*
4 26	1 17.68	+11 59.6	2.481	1.522	9.0	21.1	14 W	2*	7*
5 6	1 46.54	+14 33.0	2.476	1.530	10.4	21.2	16 W	3*	9*
5 16	2 15.61	+16 52.3	2.472	1.542	11.7	21.2	18 W	4*	11*
5 26	2 44.82	+18 55.0	2.468	1.559	13.0	21.3	20 W	6*	13*
6 5	3 14.08	+20 39.2	2.465	1.579	14.4	21.4	23 W	7*	15*
6 15	3 43.23	+22 3.6	2.460	1.602	15.7	21.4	25 W	10*	16*

2021	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
48603 1995 BC_2									
	h m	° ′			°	m	°	°	°
1 6	20 17.34	−20 40.0	2.594	1.673	9.5	21.4	16 E	6*	7*
1 16	20 43.61	−18 50.8	2.561	1.615	7.6	21.2	13 E	4*	4*
1 26	21 10.51	−16 42.6	2.520	1.556	5.7	21.0	9 E	2*	1*
2 5	21 38.02	−14 15.2	2.474	1.497	3.9	20.8	6 E	—	—
2 15	22 6.20	−11 28.4	2.423	1.438	2.3	20.6	3 E	—	—
2 25	22 35.11	− 8 23.2	2.371	1.381	0.8	20.3	1 E	—	—
3 7	23 4.87	− 5 0.9	2.318	1.326	0.9	20.2	1 W	—	—
3 17	23 35.63	− 1 23.9	2.267	1.274	2.1	20.2	3 W	—	—
3 27	0 7.58	+ 2 24.4	2.220	1.226	3.1	20.1	4 W	—	—
4 1	0 24.06	+ 4 21.2	2.199	1.204	3.5	20.1	4 W	—	—
4 6	0 40.92	+ 6 18.8	2.179	1.184	3.9	20.0	5 W	—	—
4 11	0 58.18	+ 8 16.4	2.161	1.165	4.2	20.0	5 W	—	—
4 16	1 15.87	+10 13.1	2.145	1.148	4.4	19.9	5 W	—	—
4 21	1 34.00	+12 7.6	2.131	1.134	4.5	19.9	5 W	—	—
4 26	1 52.59	+13 59.0	2.119	1.121	4.6	19.9	5 W	—	—
5 1	2 11.63	+15 46.0	2.110	1.111	4.6	19.9	5 W	—	—
5 6	2 31.12	+17 27.5	2.104	1.103	4.6	19.8	5 W	—	—
5 11	2 51.06	+19 2.2	2.100	1.097	4.5	19.8	5 W	—	—
5 16	3 11.39	+20 29.1	2.099	1.095	4.4	19.8	5 W	—	—
5 21	3 32.08	+21 47.0	2.100	1.094	4.3	19.8	5 W	—	—
5 26	3 53.04	+22 54.9	2.104	1.097	4.2	19.8	5 W	—	—
5 31	4 14.22	+23 52.3	2.110	1.102	4.0	19.8	4 W	—	—
6 5	4 35.52	+24 38.4	2.119	1.110	3.9	19.8	4 W	—	—
6 10	4 56.83	+25 13.0	2.130	1.120	3.8	19.8	4 W	—	—
6 15	5 18.06	+25 36.0	2.143	1.133	3.7	19.9	4 W	—	—
6 20	5 39.09	+25 47.4	2.159	1.147	3.6	19.9	4 W	—	—
6 25	5 59.83	+25 47.8	2.175	1.164	3.6	20.0	4 W	—	—
6 30	6 20.18	+25 37.5	2.194	1.183	3.7	20.0	4 W	—	—
7 5	6 40.08	+25 17.4	2.214	1.203	3.7	20.1	4 W	—	—
7 10	6 59.46	+24 48.1	2.235	1.225	3.9	20.1	5 W	—	—
7 15	7 18.28	+24 10.6	2.257	1.248	4.1	20.2	5 W	—	—
7 20	7 36.49	+23 25.8	2.280	1.273	4.4	20.3	5 W	—	—
7 25	7 54.09	+22 34.5	2.304	1.298	4.7	20.4	6 W	—	—
7 30	8 11.08	+21 37.7	2.327	1.324	5.2	20.5	7 W	—	—
8 4	8 27.45	+20 36.1	2.351	1.352	5.6	20.6	8 W	1*	—
8 9	8 43.24	+19 30.6	2.374	1.379	6.2	20.7	8 W	2*	—
8 14	8 58.44	+18 21.8	2.397	1.408	6.8	20.7	9 W	3*	—
8 19	9 13.09	+17 10.4	2.420	1.436	7.4	20.8	11 W	4*	1*
8 24	9 27.21	+15 56.9	2.441	1.465	8.0	20.9	12 W	5*	1*
8 29	9 40.83	+14 41.9	2.461	1.495	8.7	21.0	13 W	6*	2*
9 3	9 53.99	+13 25.9	2.480	1.524	9.5	21.1	14 W	7*	3*
9 8	10 6.71	+12 9.1	2.498	1.554	10.2	21.2	16 W	9*	4*
9 13	10 19.01	+10 52.1	2.514	1.583	11.0	21.3	17 W	10*	5*
9 18	10 30.92	+ 9 35.0	2.528	1.613	11.8	21.4	19 W	12*	6*
9 23	10 42.46	+ 8 18.2	2.540	1.642	12.6	21.4	21 W	13*	8*
263152 2007 VZ_{253}									
1 6	20 17.39	−10 45.1	4.032	3.129	6.3	21.5	20 E	14*	3*
1 16	20 30.72	− 9 38.0	4.074	3.134	4.6	21.4	15 E	9*	—
1 26	20 44.01	− 8 25.1	4.100	3.138	3.3	21.4	11 E	3*	—
2 5	20 57.17	− 7 6.7	4.108	3.141	3.1	21.4	10 W	3*	—
2 15	21 10.15	− 5 43.1	4.098	3.143	4.0	21.4	13 W	7*	—
2 25	21 22.87	− 4 14.6	4.071	3.144	5.6	21.5	18 W	10*	7*
136745 1995 WL_8									
1 6	20 18.43	− 8 54.5	2.330	1.463	14.4	21.5	22 E	15*	3*
1 16	20 48.44	− 6 52.5	2.297	1.411	13.7	21.3	20 E	14*	—
1 26	21 19.52	− 4 32.0	2.264	1.363	13.0	21.2	18 E	12*	—
2 5	21 51.64	− 1 55.1	2.233	1.321	12.5	21.1	17 E	11*	—
2 15	22 24.78	+ 0 55.0	2.207	1.285	12.0	21.0	16 E	9*	—
2 25	22 58.90	+ 3 53.4	2.188	1.256	11.5	20.9	15 E	8*	—
3 7	23 33.93	+ 6 54.5	2.177	1.235	11.0	20.8	14 E	7*	—
3 17	0 9.80	+ 9 51.8	2.175	1.224	10.3	20.8	13 E	6*	—
3 27	0 46.37	+12 38.5	2.182	1.222	9.5	20.8	12 E	5*	—
4 6	1 23.42	+15 8.2	2.199	1.229	8.6	20.7	11 E	4*	—
4 16	2 0.71	+17 15.7	2.225	1.246	7.5	20.8	9 E	3*	—
4 26	2 37.90	+18 57.0	2.260	1.271	6.4	20.8	8 E	2*	—
5 6	3 14.63	+20 10.1	2.302	1.305	5.1	20.8	7 E	—	—
5 16	3 50.58	+20 54.4	2.349	1.344	3.8	20.8	5 E	—	—
5 26	4 25.41	+21 10.9	2.400	1.390	2.5	20.9	3 E	—	—
6 5	4 58.88	+21 1.6	2.454	1.440	1.6	20.9	2 E	—	—
6 15	5 30.81	+20 29.1	2.508	1.494	1.9	21.1	3 W	—	—
6 25	6 1.08	+19 36.4	2.561	1.551	3.2	21.3	5 W	—	—
422667 1999 TB_{289}									
1 6	20 24.72	−19 18.0	2.604	1.698	10.5	21.5	18 E	8*	8*
1 16	20 52.71	−17 41.6	2.610	1.678	8.7	21.4	15 E	6*	5*
1 26	21 20.61	−15 48.6	2.613	1.661	6.9	21.3	12 E	4*	3*
2 5	21 48.33	−13 40.8	2.615	1.647	5.1	21.2	9 E	1*	—
2 15	22 15.81	−11 20.3	2.616	1.636	3.3	21.1	6 E	—	—
2 25	22 43.01	− 8 49.6	2.616	1.628	1.6	21.0	3 E	—	—

2021	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
422667 1999 TB_{289} *(continuation)*									
	h m	° ′			°	m	°	°	°
3 7	23 9.94	− 6 11.5	2.616	1.624	0.5	20.8	1 E	—	—
3 17	23 36.61	− 3 28.7	2.615	1.623	2.0	21.0	3 W	—	—
3 27	0 3.05	− 0 44.0	2.615	1.625	3.6	21.1	6 W	—	—
4 6	0 29.29	+ 1 59.5	2.614	1.631	5.3	21.2	9 W	—	3*
4 16	0 55.39	+ 4 39.5	2.612	1.641	7.0	21.3	11 W	—	5*
4 26	1 21.37	+ 7 13.3	2.610	1.653	8.6	21.4	14 W	—	8*
5 6	1 47.24	+ 9 38.5	2.607	1.669	10.2	21.4	17 W	—	11*
523650 2011 GQ_{61}									
1 6	20 34.26	+28 34.1	1.524	1.256	40.0	21.4	55 E	45*	—
1 11	20 41.64	+29 58.5	1.496	1.226	40.9	21.3	55 E	43*	—
1 16	20 49.77	+31 31.4	1.462	1.196	42.0	21.2	54 E	41*	—
1 21	20 58.76	+33 13.4	1.423	1.166	43.3	21.2	54 E	39*	—
1 26	21 8.82	+35 4.7	1.378	1.137	44.8	21.1	55 E	37*	—
1 31	21 20.20	+37 5.8	1.329	1.109	46.6	21.0	55 E	35*	—
2 5	21 33.27	+39 16.7	1.275	1.082	48.6	20.9	55 E	34*	—
2 10	21 48.54	+41 37.3	1.217	1.057	50.8	20.8	56 E	34*	—
2 15	22 6.72	+44 6.2	1.157	1.033	53.3	20.7	57 E	34*	—
2 20	22 28.75	+46 40.5	1.095	1.011	55.8	20.6	58 E	35*	—
2 25	22 55.89	+49 13.9	1.033	0.992	58.5	20.6	59 E	36*	—
3 2	23 29.64	+51 34.9	0.973	0.974	61.2	20.5	59 E	38*	—
3 7	0 11.35	+53 24.4	0.917	0.960	63.8	20.4	60 E	41*	—
3 9	0 30.36	+53 53.4	0.897	0.955	64.8	20.4	60 E	42*	—
3 11	0 50.61	+54 11.0	0.877	0.951	65.7	20.3	61 E	44*	—
3 13	1 11.92	+54 15.2	0.859	0.947	66.6	20.3	61 E	45*	—
3 15	1 34.01	+54 4.0	0.842	0.943	67.4	20.3	61 E	47*	—
3 17	1 56.54	+53 36.0	0.827	0.940	68.2	20.3	61 E	49*	—
3 18	2 7.86	+53 15.4	0.820	0.939	68.5	20.2	61 E	49*	—
3 19	2 19.14	+52 50.2	0.814	0.938	68.8	20.2	61 E	50*	—
3 20	2 30.33	+52 20.4	0.808	0.937	69.1	20.2	62 E	51*	—
3 21	2 41.39	+51 46.2	0.803	0.936	69.4	20.2	62 E	52*	—
3 22	2 52.28	+51 7.5	0.798	0.936	69.6	20.2	62 E	52*	—
3 23	3 2.95	+50 24.4	0.794	0.935	69.9	20.2	62 E	53*	1*
3 24	3 13.37	+49 37.2	0.790	0.935	70.1	20.2	62 E	54*	2*
3 25	3 23.51	+48 46.1	0.787	0.934	70.2	20.2	62 E	54*	3*
3 26	3 33.34	+47 51.1	0.785	0.934	70.3	20.2	62 E	55*	5*
3 27	3 42.86	+46 52.7	0.783	0.934	70.4	20.2	62 E	55*	6*
3 29	4 0.90	+44 46.4	0.781	0.935	70.5	20.2	62 E	56*	9*
3 31	4 17.56	+42 29.5	0.781	0.936	70.5	20.2	62 E	56*	12*
4 2	4 32.88	+40 4.5	0.784	0.937	70.4	20.2	62 E	56*	15*
4 4	4 46.91	+37 33.6	0.789	0.939	70.1	20.2	62 E	55*	18*
4 6	4 59.73	+34 59.2	0.796	0.942	69.7	20.2	62 E	55*	21*
4 8	5 11.45	+32 23.3	0.805	0.945	69.3	20.2	62 E	53*	24*
4 10	5 22.17	+29 47.5	0.817	0.949	68.7	20.3	62 E	52*	27*
4 12	5 31.99	+27 13.4	0.830	0.953	68.0	20.3	62 E	50*	30*
4 14	5 41.01	+24 42.1	0.845	0.958	67.3	20.3	62 E	48*	32*
4 16	5 49.31	+22 14.5	0.862	0.963	66.5	20.3	62 E	46*	34*
4 18	5 56.98	+19 51.2	0.880	0.968	65.6	20.4	61 E	44*	37*
4 20	6 4.08	+17 32.7	0.899	0.975	64.7	20.4	61 E	42*	39*
4 22	6 10.69	+15 19.3	0.919	0.981	63.8	20.4	61 E	40*	41*
4 24	6 16.85	+13 11.1	0.940	0.988	62.8	20.5	61 E	37*	42*
4 26	6 22.63	+11 8.2	0.962	0.995	61.8	20.5	61 E	35*	44*
5 1	6 35.65	+ 6 23.0	1.019	1.016	59.4	20.6	60 E	29*	47*
5 6	6 47.09	+ 2 7.3	1.077	1.038	56.9	20.7	60 E	24*	50*
5 11	6 57.39	− 1 42.6	1.136	1.062	54.6	20.8	59 E	18*	51*
5 16	7 6.88	− 5 10.7	1.194	1.088	52.3	20.9	58 E	13*	52*
5 21	7 15.78	− 8 20.8	1.251	1.115	50.3	21.0	58 E	8*	52*
5 26	7 24.29	−11 16.2	1.305	1.143	48.3	21.1	57 E	3*	51*
5 31	7 32.56	−13 59.7	1.356	1.172	46.6	21.2	57 E	—	50*
6 5	7 40.70	−16 33.8	1.404	1.202	45.0	21.3	57 E	—	49*
6 10	7 48.82	−19 0.7	1.449	1.232	43.6	21.3	57 E	—	47*
6 15	7 57.00	−21 22.2	1.491	1.263	42.3	21.4	57 E	—	45*
6 20	8 5.31	−23 39.8	1.529	1.293	41.1	21.5	57 E	—	43*
252192 2001 FJ_1									
1 6	20 34.74	− 6 26.4	3.552	2.707	9.3	21.4	26 E	20*	5*
1 16	20 50.76	− 5 54.9	3.571	2.675	7.5	21.3	21 E	15*	—
1 26	21 7.08	− 5 14.5	3.575	2.642	5.8	21.2	16 E	10*	—
2 5	21 23.65	− 4 26.0	3.565	2.607	4.4	21.1	12 E	4*	—
2 15	21 40.43	− 3 29.9	3.540	2.572	3.8	21.0	10 W	3*	—
2 25	21 57.37	− 2 27.1	3.500	2.536	4.3	21.0	11 W	5*	—
3 7	22 14.46	− 1 18.5	3.448	2.499	5.7	21.0	14 W	7*	5*
3 17	22 31.67	− 0 5.0	3.382	2.460	7.5	21.0	19 W	8*	10*
3 27	22 49.02	+ 1 12.5	3.303	2.421	9.5	21.0	24 W	10*	16*
4 6	23 6.50	+ 2 32.8	3.214	2.382	11.5	21.0	28 W	11*	21*
4 16	23 24.15	+ 3 55.1	3.114	2.341	13.6	21.0	33 W	13*	26*
4 26	23 41.98	+ 5 17.9	3.004	2.299	15.7	21.0	38 W	14*	30*
5 6	0 0.02	+ 6 40.2	2.886	2.257	17.8	20.9	43 W	16*	35*
5 16	0 18.31	+ 8 0.5	2.761	2.215	19.8	20.8	48 W	18*	39*

252192 2001 FJ_1 *(continuation)*

21/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
	h m	° ′			°	m	°	°	°
5 26	0 36.88	+ 9 17.4	2.630	2.171	21.8	20.7	53 W	21*	42*
6 5	0 55.79	+10 29.3	2.494	2.128	23.7	20.6	57 W	24*	45*
6 15	1 15.05	+11 34.4	2.354	2.084	25.5	20.5	62 W	28*	47*
6 25	1 34.70	+12 30.3	2.211	2.039	27.3	20.4	67 W	32*	49*
7 5	1 54.75	+13 15.0	2.067	1.995	28.9	20.2	72 W	37*	50*
7 15	2 15.21	+13 45.5	1.924	1.951	30.4	20.1	76 W	42*	50*
7 25	2 36.04	+13 58.8	1.781	1.907	31.7	19.9	81 W	47*	50*
7 30	2 46.57	+13 58.0	1.711	1.885	32.3	19.8	83 W	49*	50*
8 4	2 57.18	+13 51.4	1.641	1.863	32.9	19.7	86 W	51*	50
8 9	3 7.84	+13 38.8	1.573	1.842	33.4	19.6	88 W	53*	50
8 14	3 18.52	+13 19.4	1.506	1.820	33.8	19.5	90 W	54*	51
8 19	3 29.22	+12 52.8	1.440	1.799	34.2	19.4	93 W	55*	51
8 24	3 39.90	+12 18.4	1.375	1.778	34.5	19.3	95 W	56*	52
8 29	3 50.54	+11 35.8	1.313	1.758	34.7	19.2	98 W	56*	52
9 3	4 1.10	+10 44.3	1.252	1.738	34.9	19.0	100 W	55*	53
9 8	4 11.54	+ 9 43.4	1.194	1.718	35.0	18.9	102 W	55*	54
9 13	4 21.80	+ 8 32.6	1.137	1.699	35.0	18.8	105 W	54	55
9 23	4 41.63	+ 5 40.4	1.032	1.662	34.7	18.5	109 W	51	58
10 3	5 0.14	+ 2 6.2	0.939	1.627	34.2	18.2	114 W	47	62
10 13	5 16.77	− 2 7.7	0.858	1.594	33.5	18.0	118 W	43	66
10 18	5 24.21	− 4 27.4	0.823	1.579	33.0	17.9	120 W	41	68
10 23	5 30.98	− 6 53.7	0.791	1.565	32.6	17.7	122 W	38	71
10 28	5 37.00	− 9 24.8	0.762	1.552	32.2	17.6	124 W	36	73
11 2	5 42.20	−11 58.2	0.738	1.540	31.8	17.5	125 W	33	76
11 7	5 46.51	−14 31.2	0.716	1.528	31.5	17.4	126 W	30	79
11 12	5 49.90	−17 0.6	0.698	1.518	31.3	17.4	127 W	28	81
11 17	5 52.37	−19 23.2	0.683	1.509	31.1	17.3	128 W	26	83
11 22	5 53.90	−21 35.9	0.671	1.500	31.0	17.2	128 W	23	86
11 27	5 54.54	−23 35.5	0.662	1.493	31.1	17.2	129 W	21	88
12 2	5 54.35	−25 19.2	0.656	1.487	31.1	17.2	129 W	20	89
12 7	5 53.45	−26 44.3	0.652	1.482	31.3	17.2	129 W	18	89
12 12	5 52.02	−27 48.8	0.650	1.479	31.5	17.2	128 W	17	88
12 17	5 50.26	−28 31.5	0.650	1.476	31.7	17.2	128 W	16	87
12 22	5 48.39	−28 51.8	0.652	1.475	31.9	17.2	128 E	16	87
12 27	5 46.63	−28 49.7	0.656	1.475	32.1	17.2	127 E	16	87
1 1	5 45.19	−28 25.6	0.662	1.477	32.3	17.2	127 E	17	88
1 6	5 44.28	−27 40.5	0.670	1.479	32.5	17.3	126 E	17	88
1 11	5 44.08	−26 36.2	0.679	1.483	32.7	17.3	125 E	18	89
1 16	5 44.72	−25 14.9	0.690	1.488	32.9	17.3	125 E	20	89
1 21	5 46.25	−23 38.7	0.703	1.495	33.2	17.4	124 E	21	88

250418 2003 VV_2

21/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
1 6	20 41.36	−36 2.7	3.215	2.354	9.9	21.4	24 E	—	18*
1 16	21 3.09	−34 4.9	3.215	2.320	8.6	21.4	21 E	—	14*
1 26	21 24.55	−31 58.7	3.205	2.285	7.5	21.3	18 E	—	10*
2 5	21 45.70	−29 44.3	3.184	2.250	6.7	21.2	16 E	—	7*
2 15	22 6.53	−27 22.3	3.154	2.214	6.6	21.1	15 E	—	4*
2 25	22 27.03	−24 53.3	3.115	2.179	7.1	21.1	16 W	—	2*
3 7	22 47.22	−22 17.8	3.066	2.143	8.1	21.1	18 W	—	6*
3 17	23 7.13	−19 36.4	3.009	2.107	9.5	21.0	21 W	—	11*
3 27	23 26.80	−16 49.6	2.944	2.071	11.2	21.0	24 W	—	15*
4 6	23 46.27	−13 57.8	2.873	2.035	13.0	21.0	27 W	—	19*
4 16	0 5.62	−11 1.6	2.794	2.000	14.9	21.0	31 W	—	23*
4 26	0 24.87	− 8 1.4	2.710	1.965	16.8	20.9	34 W	—	28*
5 6	0 44.12	− 4 57.4	2.621	1.930	18.8	20.9	38 W	—	32*
5 16	1 3.42	− 1 49.7	2.527	1.897	20.8	20.8	42 W	3*	36*
5 26	1 22.85	+ 1 21.3	2.430	1.864	22.8	20.8	45 W	7*	39*
6 5	1 42.50	+ 4 35.6	2.330	1.833	24.7	20.7	49 W	12*	42*
6 15	2 2.45	+ 7 53.3	2.228	1.803	26.6	20.6	53 W	17*	44*
6 25	2 22.79	+11 14.3	2.124	1.775	28.5	20.5	56 W	23*	44*
7 5	2 43.63	+14 38.6	2.021	1.749	30.2	20.4	60 W	30*	44*
7 15	3 5.08	+18 6.4	1.918	1.725	31.8	20.4	64 W	37*	42*
7 25	3 27.24	+21 37.4	1.817	1.703	33.4	20.2	67 W	44*	40*
8 4	3 50.26	+25 11.6	1.718	1.683	34.7	20.1	71 W	51*	38*
8 14	4 14.25	+28 48.4	1.622	1.667	35.8	20.0	74 W	59*	34*
8 19	4 26.64	+30 37.5	1.576	1.659	36.3	20.0	76 W	62*	33*
8 24	4 39.32	+32 27.1	1.531	1.653	36.8	19.9	78 W	65*	31*
8 29	4 52.30	+34 16.8	1.488	1.647	37.1	19.8	80 W	69*	29*
9 3	5 5.59	+36 6.6	1.446	1.642	37.5	19.8	82 W	72*	27*
9 8	5 19.20	+37 56.2	1.405	1.638	37.7	19.7	84 W	75*	26*
9 13	5 33.10	+39 45.4	1.366	1.635	37.9	19.7	86 W	78*	24*
9 18	5 47.32	+41 33.9	1.329	1.632	38.0	19.6	88 W	81*	22*
9 23	6 1.83	+43 21.5	1.293	1.631	38.0	19.5	90 W	83*	20*
9 28	6 16.63	+45 8.0	1.259	1.630	37.9	19.5	92 W	86*	19*
10 3	6 31.67	+46 53.0	1.227	1.630	37.8	19.4	93 W	87*	17*
10 8	6 46.90	+48 36.3	1.197	1.631	37.6	19.4	95 W	86*	15*
10 13	7 2.26	+50 17.7	1.169	1.633	37.3	19.3	97 W	85	13*
10 18	7 17.67	+51 57.0	1.143	1.636	36.9	19.3	100 W	83	12*
10 23	7 33.05	+53 34.0	1.119	1.639	36.5	19.2	102 W	81	10*

250418 2003 VV_2 *(continuation)*

21/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
	h m	° ′			°	m	°	°	°
10 28	7 48.28	+55 8.8	1.096	1.643	36.0	19.1	104 W	80	9*
11 2	8 3.21	+56 41.4	1.076	1.649	35.4	19.1	106 W	78	7*
11 7	8 17.65	+58 11.7	1.057	1.654	34.8	19.1	108 W	77	6*
11 12	8 31.43	+59 39.9	1.040	1.661	34.1	19.0	110 W	75	4*
11 17	8 44.33	+61 5.9	1.026	1.668	33.4	19.0	112 W	74	3*
11 22	8 56.11	+62 29.9	1.013	1.677	32.6	18.9	114 W	73	1*
11 27	9 6.49	+63 51.8	1.002	1.685	31.8	18.9	116 W	71	—
12 2	9 15.15	+65 11.5	0.993	1.695	31.0	18.9	118 W	70	—
12 4	9 18.05	+65 42.7	0.990	1.699	30.6	18.8	119 W	69	—
12 6	9 20.59	+66 13.3	0.987	1.703	30.3	18.8	119 W	69	—
12 8	9 22.75	+66 43.4	0.985	1.707	29.9	18.8	120 W	68	—
12 10	9 24.51	+67 12.9	0.983	1.712	29.6	18.8	121 W	68	—
12 12	9 25.84	+67 41.6	0.981	1.716	29.3	18.8	122 W	67	—
12 14	9 26.73	+68 9.5	0.980	1.720	28.9	18.8	122 W	67	—
12 16	9 27.15	+68 36.6	0.979	1.725	28.6	18.8	123 W	66	—
12 18	9 27.08	+69 2.5	0.979	1.730	28.3	18.8	124 W	66	—
12 20	9 26.50	+69 27.4	0.979	1.735	28.0	18.8	124 W	66	—
12 22	9 25.40	+69 50.9	0.979	1.739	27.7	18.8	125 W	65	—
12 27	9 20.30	+70 42.9	0.981	1.752	26.9	18.8	126 W	64	—
1 1	9 11.88	+71 23.0	0.986	1.765	26.3	18.8	127 W	64	—
1 6	9 0.48	+71 48.0	0.994	1.779	25.8	18.8	128 W	63	—
1 11	8 46.92	+71 55.2	1.005	1.793	25.3	18.8	129 W	63	—
1 13	8 41.14	+71 52.8	1.010	1.798	25.2	18.9	129 W	63	—
1 15	8 35.28	+71 47.1	1.016	1.804	25.1	18.9	129 W	63	—
1 17	8 29.41	+71 38.3	1.022	1.810	25.0	18.9	129 W	63	—
1 19	8 23.62	+71 26.3	1.029	1.816	24.9	18.9	129 W	64	—
1 21	8 17.99	+71 11.1	1.036	1.822	24.9	18.9	129 W	64	—

249687 2000 AY_{42}

21/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
1 6	20 54.17	− 1 58.2	4.093	3.312	9.3	21.5	33 E	26*	8*
1 16	21 6.28	− 1 4.3	4.151	3.306	7.8	21.4	27 E	21*	1*
1 26	21 18.58	− 0 3.2	4.192	3.298	6.4	21.4	22 E	15*	—
2 5	21 30.99	+ 1 4.7	4.216	3.290	5.2	21.3	18 E	9*	—
2 15	21 43.43	+ 2 19.0	4.222	3.280	4.6	21.3	15 W	7*	—
2 25	21 55.85	+ 3 39.2	4.211	3.269	4.7	21.3	16 W	10*	—
3 7	22 8.16	+ 5 4.9	4.183	3.258	5.6	21.3	19 W	12*	3*
3 17	22 20.33	+ 6 35.6	4.138	3.245	6.9	21.4	23 W	15*	10*
3 27	22 32.28	+ 8 10.7	4.077	3.231	8.4	21.4	28 W	18*	16*
4 6	22 43.97	+ 9 49.8	4.001	3.216	9.9	21.4	34 W	20*	22*
4 16	22 55.33	+11 32.5	3.911	3.201	11.5	21.4	40 W	23*	27*
4 26	23 6.30	+13 18.2	3.807	3.184	13.0	21.4	45 W	26*	32*
5 6	23 16.80	+15 6.5	3.693	3.166	14.5	21.4	52 W	30*	37*
5 16	23 26.75	+16 56.9	3.568	3.147	15.8	21.3	58 W	34*	40*
5 26	23 36.02	+18 48.9	3.434	3.127	16.9	21.3	64 W	38*	42*
6 5	23 44.50	+20 41.9	3.293	3.106	17.9	21.2	71 W	44*	43*
6 15	23 52.03	+22 35.2	3.146	3.084	18.7	21.1	77 W	50*	41
6 25	23 58.40	+24 27.8	2.996	3.062	19.3	21.0	84 W	57*	40
7 5	0 3.39	+26 18.5	2.845	3.038	19.6	20.9	91 W	64*	38
7 15	0 6.74	+28 5.6	2.696	3.013	19.5	20.7	98 W	71*	36
7 25	0 8.15	+29 46.7	2.549	2.987	19.1	20.6	106 W	75	34
8 4	0 7.36	+31 18.5	2.410	2.960	18.4	20.4	113 W	76	33
8 14	0 4.10	+32 36.7	2.280	2.931	17.3	20.2	121 W	78	31
8 19	0 1.52	+33 8.9	2.220	2.917	16.6	20.1	125 W	78	31
8 24	23 58.32	+33 35.6	2.163	2.902	15.8	20.1	128 W	79	30
8 29	23 54.53	+33 56.0	2.111	2.887	15.0	20.0	132 W	79	30
9 3	23 50.19	+34 9.5	2.063	2.872	14.2	19.9	136 W	79	30
9 8	23 45.37	+34 15.2	2.020	2.857	13.4	19.8	139 W	79	30
9 13	23 40.19	+34 12.6	1.982	2.841	12.7	19.7	142 W	79	30
9 18	23 34.78	+34 1.5	1.950	2.825	12.1	19.6	144 E	79	30
9 23	23 29.26	+33 41.9	1.924	2.809	11.7	19.6	146 E	79	30
9 28	23 23.79	+33 13.9	1.903	2.793	11.5	19.5	146 E	78	31
10 3	23 18.52	+32 38.1	1.889	2.776	11.6	19.5	146 E	78	31
10 8	23 13.60	+31 55.2	1.881	2.759	12.0	19.5	145 E	77	32
10 13	23 9.16	+31 6.3	1.879	2.742	12.7	19.5	143 E	76	33
10 18	23 5.31	+30 12.9	1.883	2.724	13.5	19.5	140 E	75	34
10 23	23 2.13	+29 16.1	1.892	2.707	14.5	19.6	137 E	74	35
10 28	22 59.68	+28 17.5	1.906	2.689	15.5	19.6	134 E	73	36
11 2	22 58.00	+27 18.3	1.926	2.671	16.6	19.6	130 E	72	37
11 7	22 57.10	+26 19.8	1.950	2.652	17.7	19.7	126 E	71	38
11 12	22 56.99	+25 23.1	1.977	2.634	18.7	19.7	122 E	70	39
11 17	22 57.65	+24 29.1	2.009	2.615	19.6	19.8	117 E	69	40
11 22	22 59.04	+23 38.6	2.043	2.596	20.5	19.8	113 E	69	40*
12 2	23 3.88	+22 10.1	2.118	2.557	21.9	19.9	105 E	67	41*
12 12	23 11.24	+21 0.2	2.199	2.518	22.8	20.0	97 E	66	39*
12 22	23 20.79	+20 10.0	2.283	2.477	23.4	20.1	89 E	65	36*
1 1	23 32.24	+19 38.8	2.367	2.436	23.6	20.1	82 E	65*	32*
1 11	23 45.34	+19 25.2	2.449	2.394	23.4	20.1	75 E	63*	27*
1 21	23 59.90	+19 27.5	2.526	2.351	22.9	20.2	69 E	59*	23*

2021	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
		153315 2001 NH_6							
	h m	° ′			°	m	°	°	°
1 6	21 0.86	−31 28.1	1.518	0.777	34.6	21.4	27 E	2*	21*
1 11	21 26.80	−31 0.7	1.462	0.748	37.7	21.3	28 E	3*	22*
1 16	21 53.64	−30 7.8	1.403	0.723	41.3	21.2	29 E	4*	23*
1 21	22 21.15	−28 45.5	1.342	0.703	45.3	21.2	31 E	5*	24*
1 26	22 49.03	−26 50.2	1.280	0.689	49.6	21.2	32 E	7*	26*
1 31	23 16.96	−24 18.9	1.219	0.682	53.9	21.2	34 E	9*	27*
2 5	23 44.64	−21 9.8	1.160	0.682	58.0	21.2	36 E	12*	29*
2 10	0 11.86	−17 22.8	1.105	0.689	61.7	21.2	38 E	16*	30*
2 15	0 38.45	−13 0.0	1.056	0.703	64.7	21.2	40 E	19*	31*
2 20	1 4.39	− 8 5.9	1.015	0.723	66.9	21.3	42 E	23*	31*
2 25	1 29.72	− 2 47.5	0.984	0.748	68.2	21.3	45 E	28*	31*
3 2	1 54.56	+ 2 46.0	0.963	0.777	68.5	21.4	47 E	32*	30*
3 7	2 19.07	+ 8 23.9	0.952	0.810	68.0	21.4	49 E	36*	29*
3 12	2 43.42	+13 55.6	0.953	0.845	66.8	21.5	51 E	40*	27*
		316870 2000 QE_{174}							
1 6	21 6.31	−15 13.8	2.541	1.746	15.8	21.5	29 E	17*	16*
1 16	21 31.42	−13 2.7	2.562	1.724	14.1	21.4	25 E	15*	12*
1 26	21 56.58	−10 39.3	2.580	1.705	12.3	21.4	22 E	13*	8*
2 5	22 21.76	− 8 5.3	2.595	1.687	10.6	21.3	18 E	11*	5*
2 15	22 46.98	− 5 22.4	2.606	1.672	8.8	21.2	15 E	8*	2*
2 25	23 12.24	− 2 32.8	2.616	1.660	7.1	21.1	12 E	6*	—
3 7	23 37.59	+ 0 21.2	2.623	1.650	5.4	21.0	9 E	3*	—
3 17	0 3.07	+ 3 17.1	2.629	1.644	3.8	20.9	6 E	—	—
3 27	0 28.75	+ 6 12.4	2.634	1.640	2.4	20.8	4 E	—	—
4 6	0 54.67	+ 9 4.3	2.638	1.639	1.8	20.8	3 W	—	—
4 16	1 20.90	+11 50.3	2.641	1.641	2.5	20.9	4 W	—	—
4 26	1 47.46	+14 27.8	2.643	1.647	3.9	21.0	6 W	—	—
5 6	2 14.37	+16 54.2	2.644	1.655	5.4	21.0	9 W	—	2*
5 16	2 41.62	+19 7.5	2.644	1.666	7.0	21.1	12 W	2*	4*
5 26	3 9.17	+21 5.4	2.642	1.680	8.6	21.2	14 W	3*	7*
6 5	3 36.93	+22 46.4	2.638	1.696	10.2	21.3	17 W	5*	9*
6 15	4 4.80	+24 9.3	2.632	1.715	11.8	21.4	20 W	8*	11*
6 25	4 32.61	+25 13.3	2.622	1.736	13.4	21.5	23 W	10*	13*
		474442 2003 PQ_9							
1 6	21 20.65	−15 44.5	2.346	1.600	19.0	21.4	32 E	18*	19*
1 16	21 49.33	−14 2.3	2.361	1.575	17.6	21.4	29 E	17*	16*
1 26	22 18.26	−12 3.6	2.376	1.554	16.2	21.3	26 E	15*	14*
2 5	22 47.30	− 9 50.8	2.391	1.537	14.8	21.3	23 E	14*	12*
2 15	23 16.40	− 7 26.6	2.407	1.526	13.4	21.2	21 E	12*	10*
2 25	23 45.49	− 4 54.2	2.425	1.521	12.0	21.2	19 E	10*	8*
3 7	0 14.52	− 2 17.3	2.446	1.521	10.7	21.1	16 E	8*	7*
3 17	0 43.50	+ 0 20.8	2.470	1.526	9.3	21.1	14 E	5*	6*
3 27	1 12.39	+ 2 56.3	2.496	1.537	8.0	21.1	12 E	3*	5*
4 6	1 41.18	+ 5 25.7	2.526	1.552	6.7	21.1	10 E	1*	4*
4 16	2 9.86	+ 7 46.1	2.558	1.573	5.5	21.1	9 E	—	2*
4 26	2 38.37	+ 9 54.5	2.592	1.598	4.4	21.1	7 E	—	1*
5 6	3 6.68	+11 49.0	2.628	1.628	3.6	21.1	6 E	—	—
5 16	3 34.70	+13 27.8	2.664	1.661	3.4	21.2	6 E	—	—
5 26	4 2.35	+14 49.9	2.700	1.697	3.9	21.3	7 W	—	—
6 5	4 29.52	+15 54.8	2.734	1.737	4.9	21.4	8 W	—	2*
		494975 2009 WO_{106}							
1 6	21 37.93	− 1 59.6	1.369	0.914	45.9	21.4	42 E	32*	17*
1 11	21 57.49	− 0 18.9	1.337	0.894	47.4	21.4	42 E	33*	17*
1 16	22 17.78	+ 1 24.7	1.304	0.877	49.0	21.3	42 E	34*	16*
1 21	22 38.85	+ 3 9.8	1.270	0.864	50.7	21.3	43 E	35*	16*
1 26	23 0.74	+ 4 54.9	1.238	0.854	52.3	21.2	43 E	35*	16*
1 31	23 23.48	+ 6 38.3	1.206	0.847	54.0	21.2	44 E	36*	16*
2 5	23 47.09	+ 8 18.1	1.176	0.845	55.5	21.2	45 E	37*	17*
2 10	0 11.56	+ 9 52.3	1.148	0.846	56.9	21.2	46 E	38*	17*
2 15	0 36.85	+11 18.9	1.123	0.852	58.1	21.2	47 E	39*	19*
2 20	1 2.87	+12 35.9	1.102	0.861	59.0	21.2	48 E	40*	20*
2 25	1 29.49	+13 41.5	1.085	0.874	59.5	21.2	50 E	41*	22*
3 2	1 56.55	+14 34.4	1.073	0.890	59.8	21.2	51 E	42*	24*
3 7	2 23.84	+15 13.7	1.066	0.909	59.7	21.3	52 E	42*	26*
3 12	2 51.16	+15 39.0	1.063	0.931	59.3	21.3	54 E	43*	28*
3 17	3 18.27	+15 50.6	1.066	0.955	58.7	21.3	55 E	43*	30*
3 22	3 44.96	+15 49.1	1.074	0.980	57.8	21.4	56 E	43*	32*
3 27	4 11.03	+15 35.6	1.087	1.008	56.7	21.5	58 E	43*	34*
		247908 2003 VS							
1 6	22 8.80	−14 19.0	3.240	2.617	15.0	21.5	44 E	25*	29*
1 16	22 21.97	−12 18.4	3.304	2.588	13.2	21.4	37 E	23*	23*
1 26	22 35.64	−10 13.8	3.354	2.558	11.4	21.4	31 E	19*	17*
2 5	22 49.73	− 8 5.2	3.390	2.527	9.4	21.3	25 E	15*	11*
2 15	23 4.19	− 5 52.6	3.411	2.496	7.3	21.2	19 E	11*	6*
2 25	23 18.98	− 3 36.1	3.418	2.463	5.1	21.1	13 E	6*	2*
3 7	23 34.06	− 1 15.9	3.411	2.430	3.0	20.9	7 E	1*	—
3 17	23 49.45	+ 1 7.8	3.390	2.397	1.1	20.7	3 E	—	—
3 27	0 5.15	+ 3 35.0	3.356	2.362	1.9	20.7	5 W	—	—

21/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
		247908 2003 VS *(continuation)*							
	h m	° ′			°	m	°	°	°
4 6	0 21.17	+ 6 5.2	3.309	2.328	4.1	20.8	10 W	—	3*
4 16	0 37.56	+ 8 38.4	3.250	2.292	6.3	20.8	15 W	3*	8*
4 26	0 54.35	+11 14.1	3.180	2.256	8.5	20.9	19 W	6*	12*
5 6	1 11.61	+13 52.2	3.100	2.220	10.8	20.9	24 W	9*	16*
5 16	1 29.40	+16 32.4	3.012	2.183	13.0	20.9	29 W	12*	20*
5 26	1 47.82	+19 14.1	2.916	2.147	15.1	20.8	34 W	15*	23*
6 5	2 6.96	+21 57.0	2.814	2.110	17.2	20.8	38 W	20*	26*
6 15	2 26.94	+24 40.4	2.707	2.073	19.3	20.7	42 W	24*	27*
6 25	2 47.89	+27 23.5	2.596	2.036	21.3	20.7	47 W	29*	28*
7 5	3 9.97	+30 5.3	2.483	1.999	23.2	20.6	51 W	35*	27*
7 15	3 33.32	+32 44.5	2.368	1.963	25.0	20.5	55 W	41*	27*
7 20	3 45.53	+34 2.6	2.310	1.945	25.8	20.4	57 W	44*	26*
7 25	3 58.11	+35 19.4	2.253	1.927	26.7	20.4	58 W	47*	25*
7 30	4 11.10	+36 34.6	2.196	1.910	27.5	20.3	60 W	50*	24*
8 4	4 24.52	+37 48.0	2.139	1.892	28.3	20.3	62 W	52*	23*
8 9	4 38.37	+38 59.1	2.083	1.875	29.1	20.2	64 W	55*	22*
8 14	4 52.67	+40 7.7	2.027	1.858	29.8	20.2	66 W	58*	21*
8 19	5 7.42	+41 13.3	1.972	1.841	30.5	20.1	68 W	60*	20*
8 24	5 22.62	+42 15.6	1.918	1.825	31.2	20.1	69 W	62*	19*
8 29	5 38.29	+43 14.1	1.865	1.809	31.9	20.0	71 W	65*	19*
9 3	5 54.40	+44 8.5	1.812	1.794	32.5	19.9	73 W	67*	18*
9 8	6 10.91	+44 58.3	1.761	1.778	33.1	19.9	74 W	68*	17*
9 13	6 27.80	+45 43.2	1.711	1.764	33.6	19.8	76 W	70*	16*
9 18	6 45.00	+46 22.8	1.662	1.749	34.1	19.7	78 W	72*	15*
9 23	7 2.46	+46 56.8	1.614	1.735	34.6	19.7	79 W	73*	14*
9 28	7 20.12	+47 25.1	1.567	1.722	35.1	19.6	81 W	74*	14*
10 3	7 37.87	+47 47.5	1.522	1.709	35.5	19.5	83 W	76*	13*
10 8	7 55.61	+48 4.0	1.478	1.697	35.9	19.5	84 W	77*	13*
10 13	8 13.24	+48 14.9	1.434	1.686	36.2	19.4	86 W	79*	12*
10 18	8 30.65	+48 20.1	1.392	1.675	36.5	19.3	87 W	80*	12*
10 23	8 47.74	+48 20.2	1.351	1.664	36.7	19.2	89 W	81*	12*
10 28	9 4.41	+48 15.5	1.311	1.655	36.9	19.2	91 W	83*	12*
11 2	9 20.53	+48 6.6	1.272	1.646	37.0	19.1	92 W	84*	12*
11 7	9 36.02	+47 54.3	1.233	1.638	37.1	19.0	94 W	86*	12*
11 12	9 50.77	+47 39.2	1.196	1.631	37.1	19.0	96 W	87*	13*
11 17	10 4.69	+47 21.9	1.159	1.624	37.1	18.9	98 W	88	13*
11 22	10 17.72	+47 3.2	1.123	1.619	36.9	18.8	100 W	88	14*
11 27	10 29.78	+46 43.8	1.087	1.614	36.7	18.7	102 W	88	14*
12 2	10 40.76	+46 24.4	1.053	1.610	36.4	18.6	104 W	89	15*
12 7	10 50.58	+46 5.7	1.018	1.607	36.0	18.5	107 W	89	16*
12 12	10 59.15	+45 48.1	0.985	1.605	35.4	18.4	109 W	89	17*
12 17	11 6.37	+45 31.8	0.952	1.603	34.7	18.4	112 W	89	18*
12 22	11 12.15	+45 16.9	0.920	1.603	33.9	18.3	115 W	90	18*
12 27	11 16.37	+45 3.4	0.889	1.603	32.9	18.2	118 W	90	19*
1 1	11 18.90	+44 50.9	0.860	1.605	31.7	18.0	121 W	90	19
1 6	11 19.63	+44 38.4	0.832	1.607	30.3	17.9	124 W	90	19
1 11	11 18.45	+44 24.5	0.805	1.610	28.7	17.8	128 W	89	20
1 16	11 15.33	+44 7.4	0.781	1.614	27.0	17.7	132 W	89	20
1 21	11 10.28	+43 44.6	0.760	1.619	25.0	17.6	136 W	89	20
		267221 2001 AD_2							
1 6	22 42.07	−10 9.9	0.503	0.787	96.9	21.2	53 E	31*	35*
1 8	23 1.36	− 8 23.3	0.496	0.814	94.1	21.1	56 E	34*	37*
1 10	23 20.54	− 6 32.7	0.492	0.841	91.3	21.0	59 E	36*	39*
1 12	23 39.47	− 4 40.2	0.492	0.867	88.3	21.0	62 E	39*	40*
1 14	23 57.99	− 2 47.7	0.495	0.892	85.2	20.9	65 E	41*	41*
1 16	0 15.97	− 0 57.1	0.501	0.917	82.2	20.9	68 E	43*	43*
1 18	0 33.31	+ 0 50.1	0.509	0.942	79.3	20.9	70 E	45*	43*
1 20	0 49.93	+ 2 32.5	0.520	0.966	76.4	20.9	73 E	47*	44*
1 22	1 5.79	+ 4 9.2	0.534	0.990	73.7	20.9	75 E	49*	45*
1 24	1 20.87	+ 5 39.7	0.550	1.013	71.2	20.9	77 E	50*	45*
1 26	1 35.16	+ 7 3.7	0.568	1.035	68.8	21.0	79 E	52*	45*
1 31	2 7.59	+10 5.7	0.619	1.090	63.6	21.1	82 E	55*	45*
2 5	2 35.77	+12 31.8	0.679	1.141	59.3	21.3	84 E	57*	45*
2 10	3 0.42	+14 28.3	0.744	1.190	55.8	21.5	86 E	59*	44*
2 15	3 22.20	+16 1.5	0.814	1.236	52.8	21.7	86 E	61*	43*
		85990 1999 JV_6							
1 6	23 28.67	−12 9.8	0.388	0.876	94.1	21.2	63 E	32*	47*
1 11	0 2.11	− 8 3.9	0.373	0.904	90.9	21.1	67 E	36*	48*
1 16	0 35.73	− 3 38.7	0.365	0.932	87.1	20.9	71 E	41*	48*
1 21	1 9.07	+ 0 53.4	0.365	0.960	83.0	20.8	75 E	46*	48*
1 26	1 41.66	+ 5 18.4	0.371	0.987	78.8	20.8	80 E	50*	47*
1 31	2 13.10	+ 9 24.6	0.383	1.014	74.7	20.8	83 E	54*	46*
2 5	2 43.09	+13 4.1	0.401	1.040	71.1	20.8	86 E	58*	45*
2 10	3 11.51	+16 13.2	0.424	1.065	67.8	20.9	89 E	61	44*
2 15	3 38.31	+18 51.8	0.452	1.090	65.0	21.0	91 E	64	42*
2 20	4 3.54	+21 1.9	0.482	1.113	62.6	21.1	92 E	66	41*
2 25	4 27.27	+22 46.4	0.516	1.135	60.6	21.2	92 E	68*	40*
3 2	4 49.62	+24 8.6	0.552	1.156	58.9	21.3	93 E	69*	39*
3 7	5 10.72	+25 11.7	0.589	1.176	57.4	21.5	93 E	70*	38*

2021	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
360642 2004 HM_{50}									
	h m	° ′			°	m	°	°	°
1 16	8 43.64	+10 21.7	2.820	3.773	4.2	22.5	163 W	55	54
1 26	8 35.26	+10 55.7	2.776	3.754	2.1	22.3	172 W	56	53
2 5	8 26.66	+11 34.6	2.765	3.734	3.2	22.4	168 E	57	52
2 15	8 18.54	+12 15.4	2.785	3.713	6.0	22.5	157 E	57	52
2 25	8 11.56	+12 55.5	2.834	3.691	8.8	22.7	145 E	58	51
436924 2012 TW_{102}									
1 16	8 45.60	+ 7 28.4	1.987	2.935	6.2	23.2	161 W	52	57
1 26	8 35.68	+ 8 1.7	1.961	2.934	3.6	23.0	169 W	53	56
2 5	8 25.59	+ 8 43.9	1.966	2.932	4.6	23.1	166 E	54	55
2 15	8 16.34	+ 9 30.9	2.000	2.930	7.9	23.3	156 E	55	54
2 25	8 8.81	+10 18.5	2.062	2.926	11.3	23.5	145 E	55	54
20086 1994 LW									
1 16	8 46.73	− 9 7.4	3.917	4.771	6.5	23.6	147 W	36	73
1 26	8 39.61	− 8 59.5	3.854	4.747	5.6	23.5	152 W	36	73
2 5	8 32.27	− 8 38.2	3.820	4.722	5.4	23.4	153 E	36	73
2 15	8 25.19	− 8 5.0	3.817	4.696	6.1	23.4	150 E	37	72
2 25	8 18.84	− 7 22.3	3.841	4.669	7.4	23.5	143 E	38	71
431698 2008 ES									
1 16	8 48.66	+16 8.1	2.970	3.930	3.6	24.0	166 W	61	48
1 26	8 38.67	+16 54.1	2.928	3.912	0.6	23.7	178 W	62	47
2 5	8 28.38	+17 40.3	2.921	3.893	2.8	23.9	169 E	63	46
2 15	8 18.54	+18 23.4	2.947	3.872	5.9	24.1	156 E	63	46
2 25	8 9.84	+19 1.2	3.004	3.850	8.7	24.2	144 E	64	45
409266 2004 RK_9									
1 16	8 48.68	+26 12.8	1.501	2.466	5.6	24.5	166 W	71	38
1 21	8 41.51	+26 37.4	1.478	2.454	3.8	24.4	171 W	72	37
1 26	8 33.97	+26 59.4	1.463	2.441	3.3	24.3	172 W	72	37
1 31	8 26.26	+27 17.8	1.455	2.428	4.7	24.3	168 E	72	37
2 5	8 18.61	+27 31.9	1.455	2.415	7.0	24.4	163 E	73	36
2 10	8 11.26	+27 41.3	1.463	2.400	9.4	24.5	157 E	73	36
2 15	8 4.43	+27 45.9	1.477	2.386	11.8	24.7	150 E	73	36
275974 2001 XD									
1 16	8 49.51	+31 38.4	2.615	3.568	4.6	23.7	163 W	77	32
1 21	8 43.11	+32 8.4	2.595	3.558	3.8	23.7	166 W	77	32
1 26	8 36.48	+32 35.4	2.584	3.548	3.8	23.7	166 W	78	31
1 31	8 29.73	+32 58.9	2.581	3.537	4.5	23.7	164 E	78	31
2 5	8 23.02	+33 18.3	2.587	3.526	5.7	23.8	159 E	78	31
2 10	8 16.48	+33 33.6	2.600	3.514	7.1	23.8	154 E	79	30
2 15	8 10.24	+33 44.5	2.621	3.502	8.5	23.9	148 E	79	30
141761 2002 MC									
1 16	8 50.52	+ 7 16.8	2.940	3.880	4.9	22.9	160 W	52	57
1 26	8 42.18	+ 8 7.2	2.912	3.884	2.7	22.8	169 W	53	56
2 5	8 33.66	+ 9 3.9	2.917	3.886	3.0	22.8	168 E	54	55
2 15	8 25.61	+10 3.4	2.954	3.888	5.4	22.9	158 E	55	54
2 25	8 18.63	+11 2.3	3.021	3.889	8.0	23.1	147 E	56	53
468738 2010 TN_{54}									
1 16	8 56.93	+14 20.7	2.047	3.002	5.5	23.6	163 W	59	50
1 26	8 45.74	+14 54.5	2.030	3.013	1.6	23.3	175 W	60	49
2 5	8 34.31	+15 29.5	2.045	3.022	3.1	23.5	170 E	60	49
2 15	8 23.69	+16 2.2	2.092	3.030	7.0	23.7	158 E	61	48
2 25	8 14.84	+16 29.7	2.166	3.036	10.6	24.0	146 E	61	48
428681 2008 JA_8									
1 16	8 59.85	+47 14.0	2.551	3.440	8.1	23.3	150 W	88	17
1 21	8 53.35	+47 51.0	2.541	3.435	8.0	23.3	151 W	87	16
1 26	8 46.51	+48 22.2	2.539	3.429	8.2	23.3	150 W	87	16
1 31	8 39.50	+48 46.8	2.543	3.422	8.6	23.3	149 E	86	15
2 5	8 32.49	+49 4.5	2.555	3.416	9.3	23.3	146 E	86	15
2 10	8 25.68	+49 15.1	2.573	3.409	10.2	23.4	142 E	86	15
2 15	8 19.22	+49 18.9	2.598	3.402	11.1	23.4	139 E	86	15
500749 2013 AP_{60}									
1 16	9 1.96	− 9 0.6	3.624	4.468	7.2	23.5	145 W	36	73
1 26	8 53.93	− 8 55.3	3.542	4.434	6.0	23.4	152 W	36	73
2 5	8 45.44	− 8 35.3	3.490	4.400	5.6	23.3	154 E	36	73
2 15	8 37.02	− 8 1.9	3.469	4.364	6.1	23.3	152 E	37	72
2 25	8 29.25	− 7 17.4	3.478	4.328	7.5	23.3	145 E	38	71
441144 2007 TV_{180}									
1 16	9 3.34	+25 32.9	2.096	3.050	5.5	22.4	163 W	71	38
1 21	8 58.32	+25 59.7	2.094	3.063	3.9	22.3	168 W	71	38
1 26	8 53.10	+26 24.6	2.099	3.075	2.8	22.2	171 W	71	38
1 31	8 47.82	+26 47.0	2.112	3.088	3.0	22.3	171 E	72	37

2021	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
441144 2007 TV_{180} *(continuation)*									
	h m	° ′			°	m	°	°	°
2 5	8 42.62	+27 6.4	2.132	3.100	4.2	22.4	167 E	72	37
2 10	8 37.62	+27 22.5	2.161	3.112	5.8	22.5	162 E	72	37
2 15	8 32.94	+27 35.0	2.196	3.124	7.4	22.6	156 E	73	36
514568 1994 RC									
1 16	9 3.42	+21 24.4	1.875	2.831	5.8	23.4	163 W	66	43
1 21	8 57.45	+21 48.1	1.832	2.805	3.7	23.2	169 W	67	42
1 26	8 51.01	+22 11.6	1.798	2.779	1.9	23.0	175 W	67	42
1 31	8 44.25	+22 34.0	1.771	2.753	2.0	23.0	174 E	68	41
2 5	8 37.30	+22 54.6	1.752	2.726	4.0	23.1	169 E	68	41
2 10	8 30.37	+23 12.8	1.742	2.699	6.3	23.1	163 E	68	41
2 15	8 23.62	+23 28.1	1.738	2.672	8.6	23.2	156 E	68	41
442523 2011 WU_{95}									
1 16	9 3.91	+26 39.4	1.410	2.367	7.2	22.6	162 W	72	37
1 21	8 56.51	+27 21.3	1.399	2.370	5.2	22.5	167 W	72	37
1 26	8 48.72	+27 59.8	1.396	2.372	4.1	22.5	170 W	73	36
1 31	8 40.76	+28 33.9	1.400	2.373	4.8	22.5	168 E	74	35
2 5	8 32.88	+29 2.7	1.411	2.374	6.6	22.6	164 E	74	35
2 10	8 25.32	+29 25.5	1.430	2.375	8.9	22.8	158 E	74	35
2 15	8 18.31	+29 42.1	1.456	2.374	11.2	22.9	152 E	75	34
524185 2001 KF_{18}									
1 16	9 4.74	−16 34.7	2.531	3.331	11.3	22.7	138 W	28	81
1 26	8 56.56	−16 14.0	2.458	3.309	9.9	22.6	145 W	29	80
2 5	8 47.73	−15 26.8	2.410	3.287	9.2	22.5	148 E	30	79
2 15	8 39.05	−14 14.8	2.389	3.264	9.4	22.5	147 E	31	78
2 25	8 31.33	−12 42.7	2.395	3.239	10.6	22.5	143 E	32	77
342866 2008 YU_{32}									
1 16	9 9.81	+10 40.2	1.474	2.416	8.6	23.4	158 W	56	53
1 21	9 2.23	+11 8.2	1.459	2.423	6.0	23.3	165 W	56	53
1 26	8 54.29	+11 38.6	1.452	2.430	3.5	23.2	171 W	57	52
1 31	8 46.18	+12 10.3	1.453	2.435	2.3	23.1	174 E	57	52
2 5	8 38.13	+12 42.5	1.462	2.440	3.8	23.2	171 E	58	51
2 10	8 30.36	+13 14.2	1.479	2.444	6.2	23.4	164 E	58	51
2 15	8 23.06	+13 44.8	1.504	2.447	8.7	23.5	158 E	59	50
414532 2009 SM_{103}									
1 16	9 9.81	+13 1.5	3.304	4.240	4.6	22.9	160 W	58	51
1 26	9 1.67	+13 21.7	3.281	4.257	2.0	22.8	171 W	58	51
2 5	8 53.22	+13 44.0	3.291	4.273	1.3	22.7	174 E	59	50
2 15	8 45.06	+14 6.2	3.333	4.289	3.8	22.9	163 E	59	50
2 25	8 37.76	+14 26.3	3.407	4.303	6.3	23.1	152 E	59	50
230599 2003 FJ_1									
1 16	9 12.02	+17 10.4	3.004	3.945	4.8	23.7	161 W	62	47
1 26	9 1.91	+18 10.9	2.965	3.944	1.7	23.5	173 W	63	46
2 5	8 51.25	+19 10.7	2.961	3.942	1.6	23.4	174 E	64	45
2 15	8 40.78	+20 5.8	2.991	3.939	4.7	23.7	161 E	65	44
2 25	8 31.26	+20 53.5	3.054	3.933	7.5	23.8	149 E	66	43
481775 2008 SX_7									
1 16	9 17.13	+22 21.6	1.868	2.813	6.9	22.5	160 W	67	42
1 21	9 11.37	+22 42.4	1.869	2.834	4.8	22.4	166 W	68	41
1 26	9 5.38	+23 1.8	1.878	2.856	3.0	22.4	171 W	68	41
1 31	8 59.32	+23 19.1	1.895	2.877	2.0	22.3	174 W	68	41
2 5	8 53.35	+23 33.9	1.920	2.897	3.1	22.4	171 E	69	40
2 10	8 47.60	+23 45.8	1.952	2.918	4.8	22.6	166 E	69	40
2 15	8 42.23	+23 54.5	1.992	2.938	6.7	22.7	160 E	69	40
2 20	8 37.35	+24 0.2	2.038	2.958	8.5	22.9	154 E	69	40
504392 2007 VO_{243}									
1 16	9 18.79	+24 13.0	1.547	2.492	7.9	23.0	160 W	69	40
1 21	9 12.53	+24 59.7	1.537	2.501	5.8	22.9	165 W	70	39
1 26	9 5.86	+25 44.6	1.534	2.509	4.0	22.8	170 W	71	38
1 31	8 58.97	+26 26.2	1.540	2.517	3.5	22.8	171 W	71	38
2 5	8 52.05	+27 3.8	1.552	2.525	4.7	22.9	168 E	72	37
2 10	8 45.30	+27 36.3	1.573	2.532	6.7	23.0	163 E	73	36
2 15	8 38.94	+28 3.4	1.600	2.538	8.8	23.1	157 E	73	36
2 20	8 33.13	+28 24.9	1.635	2.544	10.9	23.3	151 E	73	36
373393 1972 RB									
1 16	9 19.87	+ 9 57.0	2.122	3.047	7.6	23.7	156 W	55	54
1 26	9 9.68	+10 46.1	2.097	3.067	3.8	23.5	168 W	56	53
2 5	8 58.86	+11 41.1	2.103	3.086	1.8	23.4	174 E	57	52
2 15	8 48.38	+12 37.1	2.141	3.103	5.0	23.6	164 E	58	51
2 25	8 39.21	+13 29.5	2.210	3.118	8.6	23.9	152 E	58	51

2021	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
141593 2002 HK_{12}									
	h m	° ′			°	m	°	°	°
1 16	9 20.33	+15 18.7	2.125	3.059	6.9	22.8	158 W	60	49
1 26	9 9.37	+16 3.2	2.080	3.057	2.9	22.5	171 W	61	48
2 5	8 57.52	+16 49.1	2.068	3.052	1.3	22.4	176 E	62	47
2 15	8 45.84	+17 31.7	2.088	3.046	5.5	22.7	163 E	63	46
2 25	8 35.42	+18 7.4	2.138	3.038	9.3	22.9	150 E	63	46
226219 2002 VT_{85}									
1 16	9 20.47	+ 7 57.6	2.058	2.977	8.1	22.4	155 W	53	56
1 26	9 10.33	+ 8 29.0	2.040	3.006	4.4	22.2	166 W	53	56
2 5	8 59.64	+ 9 8.2	2.053	3.033	2.5	22.1	172 E	54	55
2 15	8 49.38	+ 9 51.1	2.097	3.058	5.1	22.4	164 E	55	54
2 25	8 40.51	+10 33.4	2.171	3.083	8.5	22.6	152 E	56	53
311044 2004 BB_{103}									
1 16	9 20.56	−53 45.9	2.724	3.094	18.1	22.7	103 W	—	62
1 21	9 12.13	−54 34.0	2.699	3.094	17.9	22.6	104 W	—	61
1 26	9 2.98	−55 11.5	2.677	3.093	17.8	22.6	106 W	—	61
1 31	8 53.31	−55 37.8	2.659	3.092	17.7	22.6	107 E	—	60
2 5	8 43.34	−55 52.4	2.643	3.091	17.7	22.6	108 E	—	60
2 10	8 33.33	−55 54.9	2.630	3.089	17.6	22.6	108 E	—	60
2 15	8 23.55	−55 45.7	2.621	3.086	17.6	22.6	109 E	—	60
437908 2001 XW_{266}									
1 16	9 22.89	+ 8 50.9	2.284	3.201	7.5	24.4	155 W	54	55
1 26	9 13.77	+ 9 27.6	2.218	3.184	4.1	24.1	166 W	54	55
2 5	9 3.67	+10 12.6	2.183	3.165	2.0	23.9	174 E	55	54
2 15	8 53.48	+11 2.0	2.180	3.145	4.6	24.1	165 E	56	53
2 25	8 44.14	+11 51.3	2.207	3.124	8.2	24.3	153 E	57	52
456898 2007 VG_{184}									
1 16	9 27.60	+10 8.8	2.920	3.831	6.4	23.1	154 W	55	54
1 26	9 19.09	+11 1.5	2.846	3.810	3.5	22.9	167 W	56	53
2 5	9 9.70	+12 0.3	2.804	3.788	1.1	22.7	176 E	57	52
2 15	9 0.12	+13 1.6	2.796	3.765	3.4	22.8	167 E	58	51
2 25	8 51.09	+14 1.3	2.821	3.740	6.5	23.0	155 E	59	50
489002 2005 VB									
1 16	9 28.09	+21 25.6	2.061	2.993	7.3	22.6	157 W	66	43
1 21	9 23.23	+21 51.2	2.047	3.003	5.4	22.5	163 W	67	42
1 26	9 18.05	+22 16.3	2.041	3.013	3.6	22.4	169 W	67	42
1 31	9 12.66	+22 40.1	2.042	3.023	2.2	22.3	173 W	68	41
2 5	9 7.19	+23 2.0	2.052	3.032	2.3	22.3	173 E	68	41
2 10	9 1.79	+23 21.5	2.069	3.041	3.8	22.4	168 E	68	41
2 15	8 56.59	+23 38.1	2.094	3.050	5.6	22.6	163 E	69	40
2 20	8 51.73	+23 51.5	2.126	3.059	7.3	22.7	157 E	69	40
408825 2001 OF_{84}									
1 16	9 28.42	+26 25.5	3.102	4.026	5.5	22.4	157 W	71	38
1 21	9 23.78	+26 37.1	3.082	4.031	4.3	22.4	162 W	72	37
1 26	9 18.89	+26 47.5	3.070	4.035	3.2	22.3	167 W	72	37
1 31	9 13.86	+26 56.1	3.066	4.039	2.6	22.2	169 W	72	37
2 5	9 8.75	+27 2.7	3.071	4.042	2.7	22.3	169 E	72	37
2 10	9 3.68	+27 7.0	3.083	4.046	3.5	22.3	165 E	72	37
2 15	8 58.74	+27 8.9	3.104	4.049	4.6	22.4	161 E	72	37
2 20	8 54.02	+27 8.1	3.132	4.052	5.8	22.5	155 E	72	37
363734 2004 XN_{50}									
1 16	9 28.85	+19 37.5	2.023	2.954	7.5	23.2	157 W	65	44
1 21	9 22.08	+20 13.1	2.004	2.961	5.4	23.1	164 W	65	44
1 26	9 14.90	+20 48.4	1.992	2.967	3.3	23.0	170 W	66	43
1 31	9 7.46	+21 22.4	1.989	2.972	1.7	22.9	175 W	66	43
2 5	8 59.92	+21 54.3	1.995	2.977	2.2	22.9	173 E	67	42
2 10	8 52.46	+22 23.3	2.010	2.981	4.2	23.1	167 E	67	42
2 15	8 45.24	+22 48.9	2.033	2.984	6.2	23.2	161 E	68	41
2 20	8 38.43	+23 10.7	2.064	2.987	8.2	23.3	154 E	68	41
523651 2011 GA_{62}									
1 16	9 30.41	+ 2 51.1	1.935	2.829	10.1	23.2	150 W	48	61
1 26	9 20.67	+ 2 56.5	1.841	2.788	6.8	23.0	160 W	48	61
2 5	9 9.32	+ 3 17.4	1.775	2.745	4.6	22.7	167 E	48	61
2 15	8 57.36	+ 3 51.6	1.740	2.701	6.0	22.7	163 E	49	60
2 25	8 46.03	+ 4 35.0	1.734	2.656	9.7	22.8	153 E	50	59
344202 2001 QJ_{111}									
1 16	9 34.63	+19 22.2	2.053	2.977	7.8	21.6	156 W	64	45
1 21	9 30.37	+19 59.6	2.032	2.982	6.0	21.5	162 W	65	44
1 26	9 25.73	+20 37.4	2.018	2.987	4.1	21.4	168 W	66	43
1 31	9 20.81	+21 14.8	2.012	2.992	2.4	21.3	173 W	66	43
2 5	9 15.74	+21 50.9	2.014	2.996	1.9	21.2	174 W	67	42
2 10	9 10.64	+22 25.0	2.023	3.000	3.2	21.3	170 E	67	42
2 15	9 5.66	+22 56.4	2.040	3.004	5.0	21.5	165 E	68	41

2021	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
344202 2001 QJ_{111} *(continuation)*									
	h m	° ′			°	m	°	°	°
2 20	9 0.92	+23 24.5	2.065	3.008	6.8	21.6	159 E	68	41
2 25	8 56.55	+23 49.1	2.096	3.011	8.6	21.7	153 E	69	40
3 2	8 52.64	+24 9.9	2.134	3.014	10.3	21.8	147 E	69	40
3 7	8 49.27	+24 26.9	2.178	3.017	11.9	21.9	141 E	69	40
220909 2005 EO_{1}									
1 16	9 35.11	− 7 42.7	1.723	2.567	13.8	22.2	142 W	37	72
1 21	9 30.27	− 7 56.5	1.652	2.529	12.5	22.0	146 W	37	72
1 26	9 24.68	− 8 3.9	1.587	2.491	11.3	21.9	150 W	37	72
1 31	9 18.43	− 8 4.5	1.529	2.452	10.2	21.7	154 W	37	72
2 5	9 11.59	− 7 57.7	1.478	2.412	9.6	21.6	156 E	37	72
2 10	9 4.31	− 7 42.9	1.434	2.372	9.5	21.5	157 E	37	72
2 15	8 56.77	− 7 20.3	1.397	2.331	10.2	21.4	155 E	38	71
2 20	8 49.15	− 6 50.1	1.367	2.290	11.5	21.4	152 E	38	71
2 25	8 41.69	− 6 12.9	1.344	2.248	13.3	21.4	148 E	39	70
3 2	8 34.57	− 5 29.8	1.327	2.205	15.5	21.4	144 E	40	69
3 7	8 27.98	− 4 41.8	1.317	2.162	17.8	21.4	138 E	40	69
3 12	8 22.09	− 3 50.3	1.312	2.118	20.1	21.4	133 E	41	68
3 17	8 17.05	− 2 56.5	1.311	2.073	22.4	21.4	127 E	42	67
3 22	8 12.94	− 2 1.7	1.315	2.028	24.6	21.5	122 E	43	66
3 27	8 9.84	− 1 7.3	1.321	1.982	26.7	21.5	117 E	44	65
363402 2003 MF_{3}									
1 16	9 35.68	+29 55.5	3.224	4.136	5.8	21.9	155 W	75	34
1 21	9 31.94	+30 25.6	3.207	4.142	4.8	21.8	159 W	75	34
1 26	9 27.93	+30 54.1	3.198	4.149	4.0	21.8	163 W	76	33
1 31	9 23.74	+31 20.7	3.197	4.155	3.6	21.8	165 W	76	33
2 5	9 19.43	+31 44.8	3.203	4.161	3.7	21.8	164 W	77	32
2 10	9 15.10	+32 6.1	3.217	4.166	4.2	21.8	162 E	77	32
2 15	9 10.83	+32 24.2	3.239	4.172	5.1	21.9	158 E	77	32
2 20	9 6.72	+32 38.9	3.269	4.177	6.1	22.0	154 E	78	31
2 25	9 2.85	+32 50.1	3.306	4.182	7.1	22.0	149 E	78	31
3 2	8 59.29	+32 57.9	3.349	4.187	8.1	22.1	144 E	78	31
3 7	8 56.09	+33 2.4	3.398	4.192	9.0	22.2	138 E	78	31
217716 1999 VB_{80}									
1 16	9 36.35	+ 6 57.0	2.009	2.908	9.5	21.8	151 W	52	57
1 26	9 27.29	+ 7 30.7	1.965	2.920	5.8	21.6	163 W	53	56
2 5	9 17.17	+ 8 14.9	1.951	2.931	2.6	21.4	172 W	53	56
2 15	9 6.97	+ 9 5.1	1.967	2.941	4.0	21.5	168 E	54	55
2 25	8 57.71	+ 9 56.0	2.014	2.949	7.6	21.7	157 E	55	54
3 7	8 50.23	+10 43.3	2.088	2.957	11.1	21.9	145 E	56	53
337371 2001 QL_{3}									
1 16	9 36.40	+13 25.2	1.988	2.904	8.6	21.6	154 W	58	51
1 26	9 27.61	+14 26.2	1.955	2.921	4.6	21.4	166 W	59	50
2 5	9 17.78	+15 31.2	1.951	2.937	0.3	21.1	179 W	61	48
2 15	9 7.90	+16 34.2	1.978	2.952	3.9	21.4	168 E	62	47
2 25	8 59.01	+17 30.1	2.035	2.966	7.8	21.7	156 E	63	46
3 7	8 51.92	+18 15.5	2.119	2.980	11.3	21.9	144 E	63	46
383438 2006 VS_{136}									
1 16	9 37.29	+25 47.4	1.868	2.792	8.5	21.9	155 W	71	38
1 21	9 32.55	+26 21.7	1.848	2.795	6.7	21.8	161 W	71	38
1 26	9 27.36	+26 54.8	1.835	2.798	5.2	21.7	165 W	72	37
1 31	9 21.83	+27 25.6	1.829	2.800	4.1	21.6	168 W	72	37
2 5	9 16.12	+27 53.4	1.830	2.802	4.2	21.6	168 W	73	36
2 10	9 10.38	+28 17.4	1.839	2.804	5.2	21.7	165 E	73	36
2 15	9 4.78	+28 37.0	1.856	2.806	6.8	21.8	160 E	74	35
2 20	8 59.49	+28 51.8	1.879	2.808	8.5	21.9	155 E	74	35
2 25	8 54.64	+29 1.9	1.909	2.809	10.2	22.0	150 E	74	35
3 2	8 50.34	+29 7.3	1.946	2.810	11.9	22.1	144 E	74	35
3 7	8 46.67	+29 8.2	1.988	2.811	13.5	22.2	139 E	74	35
480827 1999 TK_{133}									
1 16	9 37.40	+17 9.8	1.864	2.785	8.7	22.4	155 W	62	47
1 21	9 32.81	+17 31.9	1.842	2.790	6.7	22.3	161 W	63	46
1 26	9 27.80	+17 54.8	1.826	2.795	4.5	22.1	167 W	63	46
1 31	9 22.48	+18 17.9	1.818	2.799	2.4	22.0	173 W	63	46
2 5	9 17.01	+18 40.3	1.818	2.803	1.0	21.9	177 W	64	45
2 10	9 11.51	+19 1.4	1.825	2.807	2.5	22.0	173 E	64	45
2 15	9 6.15	+19 20.6	1.840	2.810	4.6	22.2	167 E	64	45
2 20	9 1.07	+19 37.4	1.862	2.814	6.7	22.3	161 E	65	44
2 25	8 56.40	+19 51.6	1.891	2.817	8.7	22.4	155 E	65	44
463013 2011 GZ_{27}									
1 16	9 37.49	+11 37.4	1.044	1.971	13.2	21.2	153 W	57	52
1 21	9 33.66	+12 33.6	1.013	1.964	10.3	21.1	159 W	58	51
1 26	9 29.06	+13 35.9	0.987	1.956	7.2	20.9	166 W	59	50
1 31	9 23.83	+14 43.1	0.968	1.949	3.9	20.6	172 W	60	49
2 5	9 18.16	+15 53.2	0.955	1.941	0.5	20.3	179 W	61	48

463013 2011 GZ_{27} *(continuation)*

2021	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
	h m	° ′			°	m	°	°	°
2 10	9 12.28	+17 4.3	0.949	1.933	3.0	20.5	174 E	62	47
2 15	9 6.43	+18 14.1	0.949	1.925	6.5	20.7	167 E	63	46
2 20	9 0.89	+19 20.6	0.956	1.917	9.8	20.9	161 E	64	45
2 25	8 55.90	+20 22.3	0.969	1.909	13.0	21.0	154 E	65	44
3 2	8 51.66	+21 17.9	0.987	1.901	16.1	21.1	148 E	66	43
3 7	8 48.31	+22 6.6	1.010	1.893	18.8	21.3	142 E	67	42
3 12	8 45.97	+22 48.2	1.037	1.884	21.4	21.4	136 E	68	41

516264 2016 *VC*

2021	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
1 16	9 38.93	+23 1.2	1.806	2.729	8.8	21.7	155 W	68	41
1 21	9 34.37	+23 41.3	1.788	2.735	6.9	21.6	161 W	69	40
1 26	9 29.36	+24 20.9	1.776	2.741	5.0	21.5	166 W	69	40
1 31	9 24.02	+24 59.0	1.772	2.747	3.7	21.4	170 W	70	39
2 5	9 18.49	+25 34.5	1.776	2.753	3.4	21.4	170 W	71	38
2 10	9 12.93	+26 6.7	1.787	2.758	4.5	21.5	167 E	71	38
2 15	9 7.50	+26 34.8	1.805	2.763	6.2	21.6	162 E	72	37
2 20	9 2.37	+26 58.4	1.831	2.768	8.0	21.7	157 E	72	37
2 25	8 57.67	+27 17.2	1.863	2.772	9.9	21.8	151 E	72	37
3 2	8 53.51	+27 31.3	1.902	2.777	11.6	21.9	146 E	73	36
3 7	8 49.97	+27 40.7	1.946	2.781	13.3	22.0	140 E	73	36

477227 2009 QB_{12}

2021	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
1 16	9 41.53	+15 39.8	1.855	2.770	9.2	22.5	153 W	61	48
1 21	9 37.07	+16 2.4	1.832	2.776	7.1	22.4	159 W	61	48
1 26	9 32.18	+16 26.3	1.817	2.782	5.0	22.2	166 W	61	48
1 31	9 26.97	+16 50.7	1.808	2.787	2.8	22.1	172 W	62	47
2 5	9 21.58	+17 14.9	1.807	2.793	0.8	21.9	178 W	62	47
2 10	9 16.14	+17 38.2	1.814	2.798	1.9	22.1	175 E	63	46
2 15	9 10.82	+17 59.9	1.828	2.803	4.1	22.2	168 E	63	46
2 20	9 5.76	+18 19.6	1.850	2.807	6.2	22.4	162 E	63	46
2 25	9 1.08	+18 36.7	1.879	2.812	8.2	22.5	156 E	64	45

486607 2013 KY_1

2021	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
1 16	9 42.16	+19 14.4	1.821	2.738	9.1	21.9	154 W	64	45
1 21	9 38.32	+20 8.6	1.767	2.712	7.2	21.7	160 W	65	44
1 26	9 33.84	+21 5.8	1.720	2.684	5.2	21.6	166 W	66	43
1 31	9 28.82	+22 5.1	1.680	2.657	3.5	21.4	171 W	67	42
2 5	9 23.35	+23 5.1	1.648	2.629	2.8	21.3	173 W	68	41
2 10	9 17.55	+24 4.6	1.624	2.601	3.9	21.3	170 E	69	40
2 15	9 11.59	+25 2.1	1.608	2.573	6.0	21.4	164 E	70	39
2 20	9 5.66	+25 56.5	1.599	2.544	8.3	21.4	158 E	71	38
2 25	8 59.94	+26 46.6	1.598	2.515	10.7	21.5	152 E	72	37
3 2	8 54.58	+27 31.9	1.603	2.486	12.9	21.6	146 E	73	36
3 7	8 49.76	+28 11.6	1.614	2.456	15.1	21.6	140 E	73	36

517714 2015 JF_3

2021	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
1 16	9 42.57	− 9 57.7	1.988	2.803	13.4	22.0	139 W	35	74
1 26	9 34.95	− 9 32.1	1.899	2.783	10.8	21.8	148 W	35	74
2 5	9 25.81	− 8 38.1	1.835	2.761	8.6	21.6	155 W	36	73
2 15	9 16.03	− 7 17.1	1.799	2.739	7.8	21.5	158 E	38	71
2 25	9 6.67	− 5 34.3	1.791	2.716	9.2	21.5	154 E	39	70
3 7	8 58.74	− 3 38.3	1.810	2.691	11.9	21.7	146 E	41	68

9856 1991 *EE*

2021	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
1 16	9 43.01	+ 5 45.5	2.037	2.924	10.0	21.9	149 W	51	58
1 26	9 33.70	+ 6 33.5	1.927	2.875	6.4	21.6	161 W	52	57
2 5	9 22.49	+ 7 37.4	1.845	2.824	3.0	21.3	171 W	53	56
2 15	9 10.24	+ 8 52.9	1.796	2.771	4.0	21.3	169 E	54	55
2 25	8 58.16	+10 13.6	1.778	2.716	8.3	21.4	157 E	55	54
3 7	8 47.40	+11 32.9	1.790	2.659	12.6	21.5	144 E	57	52

374038 2004 *HW*

2021	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
1 16	9 43.28	+12 30.3	2.525	3.424	7.8	22.3	152 W	58	51
1 26	9 34.91	+13 10.4	2.418	3.376	4.6	22.1	164 W	58	51
2 5	9 25.08	+13 57.0	2.342	3.326	1.0	21.7	177 W	59	50
2 15	9 14.51	+14 46.1	2.298	3.276	2.9	21.8	170 E	60	49
2 25	9 4.13	+15 33.1	2.286	3.224	6.7	21.9	158 E	61	48
3 7	8 54.83	+16 14.4	2.304	3.170	10.3	22.1	145 E	61	48

413044 2001 QU_{108}

2021	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
1 16	9 43.74	−23 39.9	2.463	3.161	14.3	22.3	128 W	21	88
1 26	9 36.60	−23 55.9	2.364	3.135	12.9	22.1	135 W	21	88
2 5	9 28.07	−23 42.2	2.286	3.108	11.7	22.0	140 W	21	88
2 15	9 18.90	−22 56.8	2.231	3.080	11.1	21.9	143 E	22	87
2 25	9 10.01	−21 41.1	2.201	3.051	11.2	21.8	143 E	23	86
3 7	9 2.28	−20 0.5	2.196	3.022	12.3	21.8	140 E	25	84

267523 2002 OA_{16}

2021	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
1 16	9 44.03	+ 9 41.8	1.911	2.810	9.9	21.4	151 W	55	54
1 26	9 35.35	+10 34.4	1.869	2.825	5.9	21.2	163 W	56	53
2 5	9 25.43	+11 35.6	1.857	2.840	1.8	20.9	175 W	57	52
2 15	9 15.28	+12 39.4	1.874	2.853	3.2	21.1	171 E	58	51

267523 2002 OA_{16} *(continuation)*

2021	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
	h m	° ′			°	m	°	°	°
2 25	9 5.98	+13 40.1	1.922	2.866	7.3	21.3	158 E	59	50
3 7	8 58.43	+14 32.8	1.997	2.877	11.0	21.6	146 E	60	49

456301 2006 SV_{134}

2021	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
1 16	9 45.63	−20 50.2	1.574	2.329	19.0	22.5	130 W	24	85
1 21	9 41.16	−21 18.5	1.518	2.308	18.1	22.4	133 W	24	85
1 26	9 35.92	−21 37.9	1.467	2.286	17.2	22.2	137 W	23	86
1 31	9 30.00	−21 47.2	1.421	2.264	16.3	22.1	140 W	23	86
2 5	9 23.51	−21 45.2	1.379	2.241	15.7	22.0	142 W	23	86
2 10	9 16.60	−21 31.2	1.344	2.218	15.2	21.9	144 E	23	86
2 15	9 9.48	−21 4.7	1.314	2.194	15.2	21.8	144 E	24	85
2 20	9 2.37	−20 25.8	1.291	2.170	15.5	21.8	144 E	25	84
2 25	8 55.49	−19 35.3	1.273	2.145	16.3	21.8	143 E	25	84
3 2	8 49.06	−18 34.3	1.261	2.120	17.4	21.7	140 E	26	83
3 7	8 43.26	−17 24.4	1.254	2.094	18.8	21.8	137 E	28	81

218813 2006 SO_{14}

2021	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
1 16	9 47.24	+ 8 21.4	1.781	2.675	10.8	21.6	149 W	53	56
1 26	9 38.59	+ 8 50.9	1.712	2.663	6.8	21.3	161 W	54	55
2 5	9 28.27	+ 9 32.0	1.670	2.651	2.7	21.0	173 W	55	54
2 15	9 17.32	+10 20.1	1.658	2.637	3.5	21.0	171 E	55	54
2 25	9 6.97	+11 9.3	1.675	2.623	7.8	21.3	159 E	56	53
3 7	8 58.34	+11 54.4	1.719	2.607	12.0	21.5	147 E	57	52

327718 2006 ST_{138}

2021	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
1 16	9 48.30	+24 1.2	1.825	2.737	9.5	22.2	153 W	69	40
1 21	9 43.81	+24 34.4	1.800	2.739	7.6	22.1	158 W	70	39
1 26	9 38.79	+25 7.1	1.782	2.740	5.8	22.0	164 W	70	39
1 31	9 33.37	+25 38.3	1.771	2.741	4.4	21.9	168 W	71	38
2 5	9 27.69	+26 7.1	1.767	2.742	3.8	21.9	169 W	71	38
2 10	9 21.90	+26 32.6	1.771	2.743	4.4	21.9	168 E	72	37
2 15	9 16.17	+26 54.1	1.782	2.743	5.9	22.0	163 E	72	37
2 20	9 10.67	+27 11.1	1.801	2.743	7.7	22.1	158 E	72	37
2 25	9 5.56	+27 23.4	1.826	2.743	9.6	22.2	153 E	72	37
3 2	9 0.95	+27 31.0	1.858	2.743	11.3	22.3	147 E	73	36
3 7	8 56.95	+27 34.0	1.895	2.742	13.0	22.4	141 E	73	36

440022 2002 OZ_{16}

2021	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
1 16	9 48.86	+ 2 58.6	2.062	2.931	10.8	21.9	146 W	48	61
1 26	9 40.20	+ 3 14.8	2.034	2.968	7.3	21.7	157 W	48	61
2 5	9 30.52	+ 3 44.3	2.035	3.004	4.2	21.6	167 W	49	60
2 15	9 20.75	+ 4 23.2	2.066	3.040	3.8	21.6	168 E	49	60
2 25	9 11.82	+ 5 7.0	2.127	3.074	6.4	21.9	160 E	50	59
3 7	9 4.52	+ 5 50.9	2.216	3.108	9.5	22.1	149 E	51	58

430634 2003 RF_{10}

2021	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
1 16	9 49.74	+23 11.3	1.786	2.697	9.7	22.0	152 W	68	41
1 21	9 44.98	+23 34.1	1.760	2.699	7.8	21.9	158 W	69	40
1 26	9 39.68	+23 56.4	1.742	2.701	5.9	21.8	164 W	69	40
1 31	9 34.39	+24 17.2	1.730	2.703	4.2	21.7	168 W	69	40
2 5	9 28.03	+24 35.8	1.726	2.704	3.3	21.7	171 W	70	39
2 10	9 21.98	+24 51.4	1.730	2.706	3.9	21.7	169 E	70	39
2 15	9 16.01	+25 3.3	1.741	2.707	5.5	21.8	165 E	70	39
2 20	9 10.29	+25 11.3	1.759	2.707	7.4	21.9	159 E	70	39
2 25	9 4.98	+25 15.2	1.785	2.708	9.3	22.0	154 E	70	39
3 2	9 0.20	+25 14.9	1.816	2.708	11.2	22.2	148 E	70	39
3 7	8 56.05	+25 10.8	1.854	2.708	12.9	22.3	142 E	70	39

394141 2006 KV_{38}

2021	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
1 16	9 49.93	+52 48.5	2.840	3.656	9.8	22.4	141 W	82	11
1 21	9 44.45	+53 33.1	2.830	3.656	9.5	22.4	142 W	81	10
1 26	9 38.38	+54 12.4	2.826	3.656	9.4	22.4	142 W	81	10
1 31	9 31.85	+54 45.5	2.829	3.656	9.6	22.4	142 W	80	9
2 5	9 25.02	+55 11.8	2.838	3.655	9.8	22.4	141 W	80	9
2 10	9 18.06	+55 30.7	2.854	3.655	10.2	22.4	139 E	79	8
2 15	9 11.18	+55 42.0	2.876	3.654	10.8	22.5	136 E	79	8
2 20	9 4.57	+55 45.9	2.903	3.652	11.4	22.5	133 E	79	8
2 25	8 58.39	+55 42.7	2.936	3.651	12.0	22.6	130 E	79	8

270037 2001 KR_{57}

2021	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
1 16	9 50.92	+ 2 42.2	2.139	3.003	10.7	21.8	146 W	48	61
1 26	9 43.12	+ 3 8.6	2.069	2.999	7.4	21.6	157 W	48	61
2 5	9 33.94	+ 3 49.6	2.026	2.994	4.3	21.4	167 W	49	60
2 15	9 24.20	+ 4 42.0	2.013	2.989	3.6	21.3	169 E	50	59
2 25	9 14.88	+ 5 40.8	2.030	2.982	6.4	21.5	160 E	51	58
3 7	9 6.87	+ 6 40.4	2.077	2.974	9.8	21.7	149 E	52	57

197564 2004 GG_2

2021	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
1 16	9 51.02	−16 24.1	2.292	3.044	13.8	21.4	132 W	29	80
1 26	9 42.93	−16 52.6	2.220	3.045	11.9	21.3	140 W	28	81
2 5	9 33.46	−16 54.8	2.171	3.044	10.2	21.2	147 W	28	81
2 15	9 23.42	−16 29.8	2.148	3.043	9.4	21.1	150 E	29	80

2021	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
					(continuation)				
	h m	° ′			°	m	°	°	°
197564 2004 GG_2									
2 25	9 13.78	−15 40.2	2.152	3.040	9.8	21.1	148 E	29	80
3 7	9 5.43	−14 31.4	2.183	3.037	11.3	21.2	143 E	30	79
3 17	8 59.04	−13 10.8	2.237	3.032	13.2	21.3	136 E	32	77
3 27	8 55.02	−11 46.0	2.312	3.027	15.1	21.5	128 E	33	76
523621 2007 TK_8									
1 16	9 52.57	+ 4 17.8	0.574	1.495	21.5	21.9	146 W	49	60
1 26	9 40.45	+ 5 1.7	0.557	1.517	13.7	21.6	159 W	50	59
2 5	9 25.49	+ 6 18.3	0.558	1.539	6.4	21.4	170 W	51	58
2 15	9 10.57	+ 7 52.9	0.580	1.560	7.4	21.5	168 E	53	56
2 25	8 58.64	+ 9 27.4	0.622	1.580	14.2	22.0	157 E	54	55
3 7	8 51.45	+10 47.8	0.681	1.600	20.6	22.4	145 E	56	53
283389 2000 QV_{202}									
1 16	9 53.77	+21 35.8	2.174	3.074	8.8	21.7	151 W	67	42
1 21	9 49.70	+21 59.4	2.135	3.066	7.1	21.6	157 W	67	42
1 26	9 45.14	+22 23.2	2.103	3.057	5.5	21.5	163 W	67	42
1 31	9 40.17	+22 46.6	2.078	3.049	3.9	21.4	168 W	68	41
2 5	9 34.91	+23 8.9	2.061	3.040	2.8	21.3	171 W	68	41
2 10	9 29.46	+23 29.2	2.052	3.031	3.0	21.3	171 E	68	41
2 15	9 23.98	+23 47.0	2.051	3.021	4.2	21.3	167 E	69	40
2 20	9 18.60	+24 1.8	2.057	3.011	5.9	21.4	162 E	69	40
2 25	9 13.47	+24 13.1	2.070	3.001	7.7	21.5	156 E	69	40
3 2	9 8.70	+24 20.8	2.091	2.991	9.5	21.6	150 E	69	40
3 7	9 4.39	+24 24.9	2.117	2.981	11.2	21.7	144 E	69	40
219914 2002 GX_7									
1 16	9 54.08	+24 43.2	1.816	2.721	9.9	21.3	151 W	70	39
1 21	9 49.84	+25 18.0	1.780	2.713	8.2	21.2	157 W	70	39
1 26	9 44.99	+25 52.7	1.751	2.705	6.5	21.1	162 W	71	38
1 31	9 39.64	+26 26.3	1.729	2.696	5.0	21.0	166 W	71	38
2 5	9 33.92	+26 57.6	1.715	2.687	4.3	20.9	168 W	72	37
2 10	9 27.98	+27 25.7	1.707	2.678	4.8	20.9	167 E	72	37
2 15	9 22.00	+27 49.6	1.708	2.669	6.1	21.0	163 E	73	36
2 20	9 16.16	+28 8.9	1.715	2.659	7.9	21.1	158 E	73	36
2 25	9 10.62	+28 23.0	1.730	2.649	9.8	21.1	153 E	73	36
3 2	9 5.54	+28 31.8	1.750	2.639	11.7	21.2	147 E	74	35
3 7	9 1.05	+28 35.6	1.777	2.629	13.5	21.3	142 E	74	35
3 12	8 57.24	+28 34.4	1.809	2.618	15.2	21.4	136 E	74	35
152667 1998 FR_{11}									
1 16	9 54.35	+14 4.9	2.761	3.645	7.8	21.9	150 W	59	50
1 26	9 46.53	+14 56.6	2.644	3.594	4.8	21.6	162 W	60	49
2 5	9 37.19	+15 54.4	2.558	3.541	1.5	21.3	174 W	61	48
2 15	9 26.96	+16 53.9	2.505	3.487	2.2	21.3	172 E	62	47
2 25	9 16.65	+17 50.2	2.485	3.431	5.7	21.4	160 E	63	46
3 7	9 7.11	+18 39.5	2.496	3.374	9.1	21.5	147 E	64	45
453687 2010 VY_{190}									
1 16	9 55.44	−23 45.6	1.112	1.868	25.2	21.9	126 W	21	88
1 21	9 50.03	−24 24.4	1.100	1.887	23.7	21.9	130 W	21	88
1 26	9 43.90	−24 49.4	1.091	1.905	22.2	21.9	133 W	20	89
1 31	9 37.23	−24 59.8	1.087	1.924	20.7	21.8	136 W	20	89
2 5	9 30.25	−24 55.2	1.087	1.942	19.5	21.8	139 W	20	89
2 10	9 23.22	−24 35.7	1.092	1.959	18.5	21.8	141 E	20	89
2 15	9 16.40	−24 2.3	1.102	1.977	17.9	21.8	142 E	21	88
2 20	9 10.03	−23 16.3	1.117	1.994	17.6	21.9	142 E	22	87
2 25	9 4.34	−22 20.0	1.137	2.011	17.7	21.9	142 E	23	86
3 2	8 59.47	−21 15.6	1.162	2.027	18.2	22.0	140 E	24	85
3 7	8 55.51	−20 5.4	1.192	2.043	18.8	22.1	138 E	25	84
306413 1997 GF_{22}									
1 16	9 56.62	+17 32.1	1.793	2.692	10.5	21.4	150 W	63	46
1 26	9 47.63	+18 27.0	1.713	2.668	6.4	21.1	162 W	63	46
2 5	9 36.56	+19 25.5	1.662	2.644	2.4	20.8	174 W	64	45
2 15	9 24.43	+20 20.3	1.640	2.618	3.9	20.8	170 E	65	44
2 25	9 12.63	+21 4.7	1.649	2.591	8.4	21.0	157 E	66	43
3 7	9 2.43	+21 34.6	1.684	2.562	12.8	21.2	145 E	67	42
3 17	8 54.82	+21 48.8	1.742	2.532	16.5	21.4	134 E	67	42
324322 2006 HB_{62}									
1 16	9 56.99	+ 8 34.5	1.667	2.551	12.1	21.5	147 W	54	55
1 26	9 48.66	+ 9 26.6	1.617	2.563	7.7	21.2	160 W	54	55
2 5	9 38.64	+10 30.8	1.595	2.574	3.1	21.0	172 W	56	53
2 15	9 27.99	+11 40.3	1.601	2.585	2.4	21.0	174 E	57	52
2 25	9 18.00	+12 47.9	1.637	2.595	7.0	21.3	161 E	58	51
3 7	9 9.75	+13 47.4	1.700	2.603	11.2	21.5	149 E	59	50
310770 2002 RO_{251}									
1 16	9 59.18	+18 13.2	3.652	4.529	6.3	22.1	150 W	63	46
1 26	9 53.93	+18 50.0	3.598	4.540	4.1	21.9	161 W	64	45
2 5	9 47.86	+19 27.4	3.575	4.552	1.9	21.8	171 W	64	45
2 15	9 41.42	+20 2.6	3.582	4.563	1.7	21.8	172 E	65	44
2 25	9 35.14	+20 32.9	3.621	4.573	3.8	22.0	162 E	66	43
3 7	9 29.48	+20 56.3	3.690	4.584	6.0	22.1	151 E	66	43
328485 2009 MO_5									
1 16	9 59.42	+12 49.0	1.756	2.644	11.3	22.3	148 W	58	51
1 26	9 51.54	+13 42.9	1.682	2.631	7.2	22.1	161 W	59	50
2 5	9 41.69	+14 45.8	1.635	2.617	2.5	21.7	173 W	60	49
2 15	9 30.85	+15 50.8	1.618	2.602	2.4	21.7	174 E	61	48
2 25	9 20.28	+16 50.9	1.631	2.586	7.2	22.0	161 E	62	47
3 7	9 11.20	+17 40.4	1.670	2.569	11.6	22.2	149 E	63	46
328969 2010 VH_{173}									
1 16	9 59.84	+15 33.6	1.667	2.560	11.4	21.5	149 W	61	48
1 21	9 55.71	+16 1.5	1.641	2.568	9.3	21.3	155 W	61	48
1 26	9 51.02	+16 31.2	1.623	2.575	7.0	21.2	161 W	62	47
1 31	9 45.88	+17 1.8	1.611	2.582	4.7	21.1	168 W	62	47
2 5	9 40.43	+17 32.4	1.606	2.588	2.5	21.0	174 W	63	46
2 10	9 34.82	+18 2.2	1.609	2.595	1.4	20.9	176 W	63	46
2 15	9 29.22	+18 30.1	1.620	2.601	3.1	21.0	172 E	64	45
2 20	9 23.80	+18 55.5	1.638	2.607	5.4	21.2	166 E	64	45
2 25	9 18.72	+19 17.8	1.662	2.613	7.6	21.3	160 E	64	45
3 2	9 14.11	+19 36.5	1.694	2.618	9.7	21.5	153 E	65	44
3 7	9 10.07	+19 51.6	1.732	2.623	11.7	21.6	148 E	65	44
3 12	9 6.69	+20 2.8	1.775	2.628	13.5	21.7	142 E	65	44
183069 2002 RR_{13}									
1 16	10 0.71	+12 37.6	2.010	2.891	10.4	21.7	148 W	58	51
1 26	9 52.64	+13 22.0	1.949	2.895	6.6	21.5	160 W	58	51
2 5	9 42.96	+14 12.8	1.916	2.897	2.4	21.2	173 W	59	50
2 15	9 32.59	+15 4.9	1.914	2.899	1.9	21.2	174 E	60	49
2 25	9 22.60	+15 52.4	1.943	2.900	6.1	21.4	162 E	61	48
3 7	9 14.00	+16 31.3	2.000	2.899	10.0	21.7	150 E	62	47
386687 2009 VX_{84}									
1 16	10 2.04	+14 26.7	1.960	2.844	10.5	21.8	148 W	59	50
1 26	9 53.95	+15 36.6	1.913	2.860	6.6	21.6	160 W	61	48
2 5	9 44.30	+16 51.3	1.894	2.875	2.5	21.4	173 W	62	47
2 15	9 34.01	+18 3.8	1.907	2.889	2.4	21.4	173 E	63	46
2 25	9 24.19	+19 7.7	1.950	2.903	6.5	21.7	161 E	64	45
3 7	9 15.83	+19 58.5	2.021	2.915	10.2	21.9	149 E	65	44
137201 1999 KF_{13}									
1 16	10 2.31	+12 27.9	1.705	2.589	11.8	21.2	148 W	57	52
1 26	9 54.77	+13 23.2	1.624	2.571	7.6	21.0	160 W	58	51
2 5	9 45.09	+14 28.9	1.570	2.551	2.9	20.6	172 W	59	50
2 15	9 34.23	+15 38.2	1.546	2.531	2.2	20.5	174 E	61	48
2 25	9 23.49	+16 43.2	1.550	2.509	7.1	20.8	162 E	62	47
3 7	9 14.14	+17 37.6	1.582	2.487	11.8	21.0	149 E	63	46
3 17	9 7.18	+18 17.7	1.637	2.464	15.8	21.2	137 E	63	46
3 27	9 3.25	+18 42.0	1.710	2.440	19.2	21.4	127 E	64	45
443880 2001 UZ_{16}									
1 16	10 2.91	+15 55.8	1.261	2.161	13.8	22.4	148 W	61	48
1 21	9 55.96	+16 6.8	1.247	2.180	11.0	22.3	155 W	61	48
1 26	9 48.34	+16 18.8	1.240	2.198	8.0	22.1	162 W	61	48
1 31	9 40.27	+16 30.8	1.241	2.215	4.9	22.0	169 W	62	47
2 5	9 31.97	+16 42.0	1.248	2.233	1.9	21.9	176 W	62	47
2 10	9 23.70	+16 51.6	1.264	2.249	1.5	21.9	176 E	62	47
2 15	9 15.72	+16 59.0	1.286	2.265	4.4	22.1	170 E	62	47
2 20	9 8.27	+17 3.7	1.317	2.281	7.2	22.3	163 E	62	47
2 25	9 1.52	+17 5.6	1.354	2.296	9.9	22.5	157 E	62	47
226082 2002 LQ_{20}									
1 16	10 2.93	+20 51.8	1.804	2.697	10.7	21.3	149 W	66	43
1 21	9 59.24	+21 27.3	1.765	2.689	8.9	21.2	155 W	66	43
1 26	9 54.92	+22 4.1	1.732	2.681	7.0	21.1	161 W	67	42
1 31	9 50.07	+22 41.1	1.706	2.673	5.2	20.9	166 W	68	41
2 5	9 44.80	+23 17.3	1.688	2.664	3.8	20.8	170 W	68	41
2 10	9 39.25	+23 51.6	1.677	2.655	3.5	20.8	171 W	69	40
2 15	9 33.58	+24 23.1	1.674	2.646	4.7	20.8	167 E	69	40
2 20	9 27.96	+24 50.8	1.678	2.637	6.5	20.9	162 E	70	39
2 25	9 22.57	+25 14.1	1.688	2.628	8.5	21.0	157 E	70	39
3 2	9 17.55	+25 32.6	1.706	2.618	10.5	21.1	151 E	71	38
3 7	9 13.03	+25 46.3	1.730	2.608	12.5	21.2	145 E	71	38
3 12	9 9.13	+25 55.0	1.759	2.598	14.3	21.3	140 E	71	38
3 17	9 5.94	+25 58.9	1.793	2.588	16.0	21.4	134 E	71	38
3 22	9 3.51	+25 58.4	1.832	2.577	17.5	21.5	129 E	71	38

314716 2006 SX_{52}

2021	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
	h m	° ′			°	m	°	°	°
1 16	10 4.05	+24 43.7	2.788	3.668	7.9	22.0	149 W	70	39
1 21	10 0.39	+25 13.1	2.763	3.676	6.6	21.9	155 W	70	39
1 26	9 56.36	+25 42.2	2.746	3.684	5.3	21.9	160 W	71	38
1 31	9 52.02	+26 10.2	2.735	3.692	4.2	21.8	164 W	71	38
2 5	9 47.46	+26 36.5	2.733	3.700	3.5	21.8	167 W	72	37
2 10	9 42.77	+27 0.6	2.739	3.707	3.4	21.8	167 W	72	37
2 15	9 38.05	+27 21.9	2.752	3.715	4.0	21.8	165 E	72	37
2 20	9 33.42	+27 40.1	2.773	3.722	5.0	21.9	161 E	73	36
2 25	9 28.96	+27 54.8	2.802	3.728	6.2	22.0	156 E	73	36
3 2	9 24.77	+28 5.9	2.838	3.735	7.4	22.1	151 E	73	36
3 7	9 20.93	+28 13.5	2.881	3.741	8.6	22.2	146 E	73	36
3 12	9 17.49	+28 17.6	2.930	3.747	9.8	22.2	140 E	73	36

327659 2006 QJ_{62}

2021	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
1 16	10 4.72	+10 43.6	1.838	2.712	11.6	21.5	146 W	56	53
1 26	9 57.38	+11 50.3	1.767	2.707	7.6	21.2	159 W	57	52
2 5	9 48.14	+13 8.2	1.723	2.701	3.2	21.0	171 W	58	51
2 15	9 37.90	+14 30.4	1.708	2.694	1.6	20.8	176 E	60	49
2 25	9 27.83	+15 49.2	1.725	2.687	6.2	21.1	163 E	61	48
3 7	9 19.04	+16 58.0	1.769	2.678	10.5	21.3	151 E	62	47

382778 2003 SM_{119}

2021	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
1 16	10 5.38	+17 2.9	1.779	2.665	11.3	22.0	148 W	62	47
1 26	9 57.25	+18 0.9	1.716	2.662	7.2	21.7	160 W	63	46
2 5	9 47.13	+19 2.6	1.679	2.658	3.1	21.5	172 W	64	45
2 15	9 36.04	+20 0.7	1.673	2.654	3.1	21.4	172 E	65	44
2 25	9 25.25	+20 48.4	1.696	2.648	7.3	21.7	160 E	66	43
3 7	9 15.97	+21 21.5	1.746	2.641	11.4	21.9	148 E	66	43

401892 2001 SA_{5}

2021	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
1 16	10 5.48	+44 4.5	2.847	3.688	9.0	22.0	144 W	89	20
1 21	10 0.92	+44 38.4	2.822	3.684	8.5	22.0	147 W	90	19
1 26	9 55.84	+45 8.9	2.804	3.679	8.0	21.9	149 W	90	19
1 31	9 50.32	+45 35.1	2.792	3.675	7.8	21.9	150 W	89	18
2 5	9 44.49	+45 56.2	2.787	3.670	7.9	21.9	149 W	89	18
2 10	9 38.47	+46 11.8	2.790	3.666	8.1	21.9	148 W	89	18
2 15	9 32.42	+46 21.2	2.799	3.661	8.7	21.9	146 E	89	18
2 20	9 26.47	+46 24.4	2.815	3.655	9.3	22.0	143 E	89	18
2 25	9 20.79	+46 21.3	2.837	3.650	10.1	22.0	140 E	89	18
3 2	9 15.48	+46 12.3	2.866	3.644	10.9	22.1	136 E	89	18
3 7	9 10.66	+45 57.7	2.900	3.638	11.7	22.1	132 E	89	18
3 12	9 6.41	+45 38.1	2.939	3.632	12.5	22.2	128 E	89	18

339634 2005 QG_{27}

2021	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
1 16	10 5.64	+15 32.2	2.025	2.904	10.4	22.3	148 W	61	48
1 26	9 57.97	+16 25.6	1.955	2.899	6.8	22.1	160 W	61	48
2 5	9 48.54	+17 23.8	1.914	2.893	2.8	21.8	172 W	62	47
2 15	9 38.20	+18 20.7	1.903	2.886	2.3	21.8	173 E	63	46
2 25	9 28.05	+19 10.2	1.923	2.879	6.3	22.0	162 E	64	45
3 7	9 19.14	+19 48.1	1.971	2.870	10.1	22.2	149 E	65	44

475561 2006 TK_{96}

2021	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
1 16	10 8.34	+14 8.0	1.857	2.732	11.4	21.7	147 W	59	50
1 26	9 59.78	+14 41.6	1.802	2.743	7.4	21.5	159 W	60	49
2 5	9 49.43	+15 20.3	1.775	2.754	3.0	21.3	172 W	60	49
2 15	9 38.29	+15 58.5	1.777	2.763	1.8	21.2	175 E	61	48
2 25	9 27.57	+16 30.7	1.810	2.771	6.1	21.5	163 E	62	47
3 7	9 18.35	+16 53.5	1.872	2.778	10.2	21.7	150 E	62	47

297125 2010 RV_{166}

2021	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
1 16	10 8.86	+ 9 59.4	1.589	2.461	13.2	21.4	145 W	55	54
1 26	10 0.39	+10 46.3	1.546	2.484	8.7	21.2	158 W	56	53
2 5	9 50.00	+11 43.6	1.529	2.507	3.8	21.0	170 W	57	52
2 15	9 38.85	+12 44.6	1.542	2.528	1.4	20.8	176 E	58	51
2 25	9 28.28	+13 41.9	1.583	2.549	6.3	21.2	164 E	59	50
3 7	9 19.44	+14 29.8	1.653	2.568	10.7	21.5	151 E	59	50

475484 2006 SE_{215}

2021	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
1 16	10 10.29	+ 5 1.9	1.888	2.736	12.6	22.2	143 W	50	59
1 26	10 3.13	+ 5 46.4	1.820	2.742	8.9	22.0	155 W	51	58
2 5	9 54.16	+ 6 46.1	1.778	2.747	4.8	21.8	167 W	52	57
2 15	9 44.21	+ 7 56.2	1.765	2.750	1.9	21.6	175 E	53	56
2 25	9 34.40	+ 9 10.0	1.783	2.753	5.1	21.8	166 E	54	55
3 7	9 25.77	+10 20.6	1.829	2.755	9.2	22.0	154 E	55	54

356971 1991 TK_{2}

2021	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
1 16	10 10.68	− 1 12.8	3.244	4.041	9.1	21.8	139 W	44	65
1 26	10 4.72	− 0 48.6	3.165	4.049	6.9	21.7	150 W	44	65
2 5	9 57.71	− 0 12.3	3.112	4.055	4.6	21.5	161 W	45	64
2 15	9 50.12	+ 0 34.2	3.090	4.061	3.0	21.4	168 E	46	63
2 25	9 42.54	+ 1 27.9	3.100	4.066	3.5	21.4	165 E	46	63
3 7	9 35.53	+ 2 24.9	3.142	4.070	5.6	21.6	156 E	47	62

416470 2003 WD_{82}

2021	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
	h m	° ′			°	m	°	°	°
1 16	10 10.81	+ 1 42.0	2.879	3.694	9.7	22.1	141 W	47	62
1 26	10 4.15	+ 1 54.0	2.830	3.728	7.1	21.9	152 W	47	62
2 5	9 56.43	+ 2 16.9	2.808	3.761	4.4	21.8	163 W	47	62
2 15	9 48.23	+ 2 48.4	2.817	3.794	2.6	21.7	170 E	48	61
2 25	9 40.23	+ 3 25.3	2.858	3.825	3.6	21.8	166 E	48	61
3 7	9 33.05	+ 4 4.1	2.929	3.856	6.0	22.0	156 E	49	60

468441 2002 ON_{24}

2021	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
1 16	10 11.19	+ 0 4.4	1.644	2.479	14.8	21.5	140 W	45	64
1 26	10 0.39	− 0 32.3	1.611	2.519	10.9	21.3	151 W	44	65
2 5	9 47.90	− 0 49.7	1.605	2.558	7.1	21.2	161 W	44	65
2 15	9 34.96	− 0 49.2	1.627	2.596	5.4	21.2	166 E	44	65
2 25	9 22.92	− 0 34.7	1.680	2.633	7.3	21.4	160 E	44	65
3 7	9 12.89	− 0 12.0	1.761	2.668	10.6	21.6	150 E	45	64

467309 1996 AW_{1}

2021	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
1 16	10 11.85	+13 45.1	1.094	1.985	16.2	22.5	146 W	59	50
1 21	10 4.76	+14 39.7	1.082	2.008	13.0	22.3	153 W	60	49
1 26	9 56.86	+15 36.7	1.077	2.030	9.6	22.2	160 W	61	48
1 31	9 48.35	+16 34.3	1.079	2.050	6.2	22.1	167 W	62	47
2 5	9 39.51	+17 30.5	1.088	2.071	3.0	22.0	174 W	63	46
2 10	9 30.62	+18 23.5	1.104	2.090	1.9	21.9	176 E	63	46
2 15	9 21.99	+19 11.6	1.129	2.109	4.7	22.2	170 E	64	45
2 20	9 13.90	+19 53.8	1.161	2.126	7.7	22.4	163 E	65	44
2 25	9 6.58	+20 29.5	1.199	2.143	10.6	22.6	156 E	65	44

439915 2001 OT_{77}

2021	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
1 16	10 12.54	+11 22.7	1.988	2.849	11.5	22.5	145 W	56	53
1 26	10 5.03	+11 47.4	1.904	2.836	7.9	22.2	157 W	57	52
2 5	9 55.55	+12 20.5	1.846	2.821	3.7	21.9	169 W	57	52
2 15	9 44.93	+12 57.5	1.818	2.806	0.8	21.7	178 E	58	51
2 25	9 34.25	+13 33.1	1.821	2.789	5.2	22.0	165 E	59	50
3 7	9 24.63	+14 2.9	1.852	2.772	9.4	22.2	153 E	59	50

222869 2002 FB_{6}

2021	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
1 16	10 15.27	−24 31.6	1.590	2.276	21.4	21.6	123 W	20	89
1 21	10 11.74	−24 42.1	1.520	2.252	20.5	21.5	127 W	20	89
1 26	10 7.32	−24 42.4	1.454	2.227	19.5	21.3	131 W	20	89
1 31	10 2.02	−24 30.9	1.392	2.201	18.5	21.2	135 W	20	89
2 5	9 55.91	−24 6.0	1.335	2.175	17.4	21.0	139 W	21	88
2 10	9 49.10	−23 26.0	1.283	2.148	16.5	20.9	142 W	22	87
2 15	9 41.74	−22 29.9	1.236	2.120	15.7	20.7	145 E	23	86
2 20	9 34.04	−21 17.0	1.196	2.092	15.2	20.6	146 E	24	85
2 25	9 26.24	−19 47.5	1.162	2.063	15.2	20.5	147 E	25	84
3 2	9 18.60	−18 2.5	1.135	2.033	15.9	20.5	146 E	27	82
3 7	9 11.34	−16 3.6	1.115	2.003	17.1	20.4	144 E	29	80
3 12	9 4.70	−13 53.4	1.101	1.972	18.7	20.4	140 E	31	78
3 17	8 58.89	−11 34.9	1.094	1.940	20.7	20.5	136 E	33	76
3 22	8 54.05	− 9 11.5	1.093	1.908	22.9	20.5	132 E	36	73
3 27	8 50.29	− 6 46.4	1.098	1.875	25.2	20.5	127 E	38	71
4 1	8 47.66	− 4 22.4	1.107	1.841	27.5	20.6	122 E	41	68
4 6	8 46.16	− 2 2.0	1.120	1.806	29.7	20.6	117 E	43	66
4 11	8 45.81	+ 0 13.2	1.136	1.771	31.7	20.7	112 E	45	64
4 16	8 46.57	+ 2 21.7	1.154	1.735	33.6	20.7	107 E	47*	62
4 21	8 48.41	+ 4 22.7	1.175	1.699	35.3	20.8	102 E	49*	60
4 26	8 51.25	+ 6 15.7	1.196	1.662	36.9	20.8	98 E	49*	58
5 1	8 55.04	+ 8 0.8	1.217	1.624	38.3	20.8	93 E	49*	56
5 6	8 59.73	+ 9 37.9	1.238	1.586	39.5	20.8	89 E	49*	54
5 11	9 5.27	+11 7.4	1.258	1.547	40.6	20.8	85 E	48*	53
5 16	9 11.61	+12 29.6	1.277	1.507	41.6	20.8	81 E	46*	51*
5 21	9 18.71	+13 44.7	1.295	1.467	42.4	20.8	78 E	44*	50*
5 26	9 26.52	+14 53.4	1.309	1.427	43.2	20.8	75 E	42*	48*
5 31	9 35.00	+15 55.9	1.322	1.386	43.9	20.8	71 E	40*	47*
6 5	9 44.13	+16 52.8	1.331	1.344	44.6	20.8	68 E	38*	45*
6 10	9 53.90	+17 44.3	1.338	1.303	45.2	20.7	66 E	37*	44*
6 15	10 4.28	+18 30.8	1.341	1.261	45.8	20.7	63 E	35*	42*
6 20	10 15.25	+19 12.7	1.340	1.219	46.5	20.6	60 E	34*	41*
6 25	10 26.82	+19 50.2	1.335	1.178	47.2	20.6	58 E	33*	39*
6 30	10 38.97	+20 23.6	1.327	1.137	48.0	20.5	56 E	32*	38*
7 5	10 51.70	+20 53.1	1.314	1.096	48.9	20.4	54 E	31*	36*
7 15	11 18.98	+21 40.6	1.275	1.019	51.2	20.3	51 E	30*	34*
7 25	11 48.72	+22 12.8	1.217	0.948	54.3	20.1	49 E	31*	32*
8 4	12 21.03	+22 27.1	1.140	0.888	58.5	19.9	48 E	32*	30*
8 9	12 38.24	+22 25.8	1.095	0.864	61.0	19.9	48 E	33*	29*
8 14	12 56.19	+22 17.1	1.046	0.844	63.8	19.8	48 E	34*	29*
8 19	13 14.95	+21 59.5	0.993	0.829	66.8	19.7	49 E	35*	28*
8 24	13 34.59	+21 30.5	0.937	0.820	69.9	19.7	50 E	36*	28*
8 29	13 55.25	+20 46.9	0.880	0.817	72.9	19.6	51 E	38*	29*
9 3	14 17.12	+19 44.8	0.821	0.820	75.9	19.6	52 E	39*	30*
9 8	14 40.44	+18 19.5	0.762	0.829	78.4	19.5	54 E	40*	31*

21/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
		222869 2002 FB_6				*(continuation)*			
	h m	° ′			°	m	°	°	°
9 13	15 5.51	+16 25.5	0.706	0.844	80.5	19.5	56 E	41*	33*
9 18	15 32.66	+13 56.8	0.652	0.864	81.8	19.4	58 E	42*	36*
9 23	16 2.21	+10 47.9	0.605	0.888	82.1	19.3	61 E	43*	39*
9 28	16 34.40	+ 6 55.8	0.566	0.916	81.4	19.2	65 E	43*	44*
10 3	17 9.21	+ 2 23.4	0.537	0.948	79.5	19.1	69 E	42*	49*
10 5	17 23.81	+ 0 25.5	0.529	0.961	78.5	19.1	70 E	41*	52*
10 7	17 38.73	− 1 35.7	0.523	0.975	77.3	19.0	72 E	40*	54*
10 9	17 53.92	− 3 38.8	0.519	0.989	75.9	19.0	74 E	39*	57*
10 11	18 9.31	− 5 42.0	0.518	1.004	74.5	19.0	76 E	37*	59*
10 13	18 24.83	− 7 43.8	0.519	1.018	72.9	19.0	77 E	36*	62*
10 15	18 40.38	− 9 42.3	0.522	1.034	71.3	19.0	79 E	35*	64*
10 17	18 55.89	−11 36.0	0.528	1.049	69.6	19.0	81 E	33*	67*
10 19	19 11.26	−13 23.6	0.536	1.064	68.0	19.0	82 E	31*	69*
10 21	19 26.43	−15 4.0	0.547	1.080	66.3	19.0	84 E	30*	71*
10 23	19 41.30	−16 36.5	0.559	1.096	64.7	19.0	85 E	28	74*
10 28	20 16.83	−19 50.6	0.598	1.137	60.8	19.1	87 E	25	78*
11 2	20 49.49	−22 12.7	0.647	1.178	57.4	19.3	89 E	23	81*
11 7	21 19.02	−23 48.9	0.705	1.219	54.4	19.5	90 E	21	83*
11 12	21 45.48	−24 47.8	0.768	1.261	51.7	19.6	91 E	20	84*
11 17	22 9.13	−25 17.7	0.837	1.303	49.4	19.8	91 E	20	84*
11 22	22 30.31	−25 25.5	0.909	1.344	47.3	20.0	90 E	20	83*
11 27	22 49.40	−25 16.6	0.984	1.385	45.4	20.2	89 E	20	82*
12 2	23 6.73	−24 55.1	1.062	1.426	43.7	20.4	88 E	20	81*
12 7	23 22.60	−24 24.0	1.141	1.467	42.1	20.6	87 E	21	79*
12 12	23 37.28	−23 45.7	1.222	1.507	40.6	20.7	85 E	21	77*
12 17	23 50.95	−23 2.0	1.303	1.547	39.2	20.9	84 E	22	75*
12 22	0 3.80	−22 14.2	1.386	1.586	37.9	21.0	82 E	23	72*
12 27	0 15.95	−21 23.3	1.468	1.624	36.7	21.2	80 E	24	70*
1 1	0 27.55	−20 30.1	1.551	1.662	35.4	21.3	78 E	24	68*
1 6	0 38.67	−19 35.3	1.635	1.699	34.2	21.4	76 E	25	65*
		188717 2005 TU_{171}							
1 16	10 15.36	+10 24.0	2.154	3.005	11.2	21.8	144 W	55	54
1 26	10 7.74	+10 46.9	2.078	3.004	7.7	21.6	156 W	56	53
2 5	9 58.35	+11 17.8	2.029	3.002	3.8	21.4	168 W	56	53
2 15	9 47.97	+11 52.9	2.011	2.998	0.6	21.1	178 E	57	52
2 25	9 37.60	+12 27.5	2.024	2.994	4.5	21.4	166 E	57	52
3 7	9 28.24	+12 57.3	2.066	2.989	8.4	21.6	154 E	58	51
		458368 2010 WJ							
1 16	10 16.50	−29 15.7	1.427	2.086	24.4	21.9	119 W	16	87
1 21	10 11.57	−30 23.5	1.404	2.099	23.4	21.9	122 W	15	86
1 26	10 5.77	−31 20.4	1.385	2.112	22.4	21.8	125 W	14	85
1 31	9 59.22	−32 5.2	1.370	2.124	21.4	21.8	128 W	13	84
2 5	9 52.09	−32 36.6	1.359	2.136	20.5	21.7	131 W	12	83
2 10	9 44.57	−32 53.9	1.353	2.147	19.8	21.7	133 W	12	83
2 15	9 36.91	−32 56.6	1.351	2.158	19.2	21.7	134 E	12	83
2 20	9 29.37	−32 45.2	1.354	2.169	18.8	21.7	135 E	12	83
2 25	9 22.21	−32 20.4	1.362	2.179	18.7	21.7	135 E	13	84
3 2	9 15.64	−31 43.9	1.375	2.189	18.7	21.8	135 E	13	84
3 7	9 9.82	−30 57.1	1.392	2.198	19.0	21.8	134 E	14	85
3 12	9 4.90	−30 2.2	1.415	2.208	19.5	21.9	132 E	15	86
		369295 2009 SH_{18}							
1 16	10 17.06	+16 59.6	1.768	2.637	12.3	21.5	145 W	62	47
1 26	10 8.93	+17 35.7	1.673	2.609	8.4	21.2	157 W	63	46
2 5	9 58.25	+18 16.4	1.604	2.579	4.1	20.9	169 W	63	46
2 15	9 45.91	+18 55.2	1.565	2.549	2.5	20.7	174 E	64	45
2 25	9 33.25	+19 25.3	1.555	2.517	6.8	20.9	162 E	64	45
3 7	9 21.71	+19 41.9	1.574	2.484	11.5	21.1	150 E	65	44
3 17	9 12.49	+19 43.2	1.617	2.449	15.7	21.2	138 E	65	44
3 27	9 6.37	+19 29.4	1.678	2.414	19.3	21.4	127 E	64	45
		287396 2002 VU_{85}							
1 16	10 17.38	+ 6 7.0	2.074	2.910	12.1	21.5	142 W	51	58
1 26	10 10.23	+ 6 27.8	1.995	2.909	8.7	21.3	153 W	51	58
2 5	10 1.25	+ 7 1.0	1.942	2.906	4.9	21.1	165 W	52	57
2 15	9 51.17	+ 7 43.1	1.918	2.903	1.7	20.8	175 E	53	56
2 25	9 41.02	+ 8 29.3	1.925	2.899	4.3	21.0	167 E	53	56
3 7	9 31.80	+ 9 14.4	1.961	2.893	8.2	21.2	155 E	54	55
3 17	9 24.36	+ 9 54.0	2.025	2.887	11.8	21.5	144 E	55	54
		332285 2006 SL_{411}							
1 16	10 18.45	+19 8.9	1.823	2.691	12.0	21.8	145 W	64	45
1 21	10 15.14	+19 54.6	1.794	2.698	10.1	21.7	151 W	65	44
1 26	10 11.22	+20 42.0	1.772	2.705	8.2	21.6	157 W	66	43
1 31	10 6.79	+21 30.0	1.756	2.712	6.3	21.5	162 W	67	42
2 5	10 1.93	+22 17.5	1.748	2.718	4.6	21.4	167 W	67	42
2 10	9 56.78	+23 3.1	1.747	2.724	3.7	21.3	170 W	68	41
2 15	9 51.50	+23 45.9	1.754	2.730	4.0	21.4	169 E	69	40

2021	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
		332285 2006 SL_{411}				*(continuation)*			
	h m	° ′			°	m	°	°	°
2 20	9 46.23	+24 24.8	1.768	2.736	5.3	21.5	165 E	69	40
2 25	9 41.14	+24 59.1	1.790	2.741	7.1	21.6	160 E	70	39
3 2	9 36.37	+25 28.3	1.818	2.746	8.9	21.7	155 E	70	39
3 7	9 32.04	+25 52.1	1.853	2.751	10.7	21.8	149 E	71	38
3 12	9 28.25	+26 10.6	1.894	2.756	12.4	21.9	143 E	71	38
		278576 2008 HS_{37}							
1 16	10 18.59	+ 5 12.8	1.467	2.315	15.5	21.3	141 W	50	59
1 26	10 12.80	+ 5 20.9	1.365	2.283	11.6	21.0	152 W	50	59
2 5	10 4.20	+ 5 47.8	1.286	2.250	6.9	20.6	164 W	51	58
2 15	9 53.55	+ 6 30.9	1.232	2.216	2.8	20.3	174 E	52	57
2 20	9 47.86	+ 6 56.9	1.215	2.199	3.4	20.3	173 E	52	57
2 25	9 42.17	+ 7 24.5	1.205	2.182	5.6	20.4	167 E	52	57
3 2	9 36.70	+ 7 52.9	1.202	2.165	8.3	20.5	162 E	53	56
3 7	9 31.62	+ 8 20.9	1.205	2.148	11.1	20.6	155 E	53	56
3 12	9 27.11	+ 8 47.8	1.214	2.130	13.7	20.7	149 E	54	55
3 17	9 23.31	+ 9 12.7	1.228	2.113	16.2	20.7	144 E	54	55
3 22	9 20.34	+ 9 34.8	1.247	2.095	18.6	20.8	138 E	55	54
3 27	9 18.27	+ 9 53.6	1.270	2.078	20.8	20.9	132 E	55	54
4 1	9 17.12	+10 8.9	1.297	2.060	22.7	21.0	127 E	55	54
4 6	9 16.91	+10 20.4	1.326	2.043	24.5	21.1	122 E	55	54
4 11	9 17.62	+10 27.9	1.358	2.025	26.1	21.2	117 E	55	54
4 16	9 19.24	+10 31.4	1.392	2.008	27.4	21.3	113 E	56	53
4 21	9 21.71	+10 30.8	1.427	1.990	28.6	21.3	109 E	56	53
4 26	9 24.99	+10 26.1	1.463	1.973	29.6	21.4	105 E	55*	54
5 1	9 29.01	+10 17.4	1.499	1.955	30.4	21.4	101 E	54*	54
5 6	9 33.72	+10 4.7	1.536	1.938	31.1	21.5	97 E	52*	54
		420210 2011 HF							
1 16	10 25.18	−15 17.3	0.650	1.473	31.9	21.7	128 W	30	79
1 21	10 20.43	−15 26.3	0.630	1.485	29.2	21.5	133 W	30	79
1 26	10 14.37	−15 19.0	0.613	1.496	26.2	21.4	138 W	30	79
1 31	10 7.13	−14 53.8	0.598	1.507	23.2	21.3	143 W	30	79
2 5	9 58.97	−14 10.0	0.588	1.516	20.2	21.2	148 W	31	78
2 10	9 50.21	−13 7.5	0.582	1.526	17.6	21.1	152 W	32	77
2 15	9 41.27	−11 47.7	0.581	1.534	15.6	21.0	155 E	33	76
2 20	9 32.58	−10 13.6	0.584	1.542	14.8	21.0	156 E	35	74
2 25	9 24.56	− 8 29.3	0.593	1.549	15.3	21.1	156 E	37	72
3 2	9 17.52	− 6 39.0	0.607	1.556	16.9	21.2	153 E	38	71
3 7	9 11.70	− 4 47.1	0.626	1.562	19.2	21.3	149 E	40	69
3 12	9 7.24	− 2 57.4	0.650	1.567	21.8	21.5	144 E	42	67
		357028 2000 EJ_{26}							
1 16	10 32.43	+23 28.0	1.198	2.068	16.8	22.3	143 W	68	41
1 21	10 26.58	+24 21.9	1.144	2.050	14.4	22.1	149 W	69	40
1 26	10 19.27	+25 19.4	1.097	2.031	12.0	21.9	155 W	70	39
1 31	10 10.54	+26 18.5	1.055	2.010	9.6	21.7	160 W	71	38
2 5	10 0.48	+27 16.5	1.021	1.989	7.6	21.5	164 W	72	37
2 10	9 49.27	+28 10.8	0.995	1.966	7.1	21.4	166 W	73	36
2 15	9 37.23	+28 58.3	0.976	1.943	8.4	21.4	163 E	74	35
2 20	9 24.78	+29 36.5	0.965	1.918	11.0	21.4	158 E	75	34
2 25	9 12.37	+30 3.7	0.961	1.892	14.2	21.5	152 E	75	34
3 2	9 0.46	+30 19.3	0.963	1.866	17.6	21.6	145 E	75	34
3 7	8 49.45	+30 23.4	0.972	1.838	20.9	21.7	139 E	75	34
3 12	8 39.66	+30 17.0	0.986	1.808	24.1	21.8	132 E	75	34
		503871 2000 SL							
1 16	10 33.66	−47 19.3	1.327	1.815	31.9	21.5	103 W	—	69
1 21	10 32.17	−48 37.5	1.272	1.794	32.0	21.3	105 W	—	67
1 26	10 29.49	−49 48.0	1.217	1.772	32.1	21.2	107 W	—	66
1 31	10 25.51	−50 49.2	1.163	1.750	32.2	21.1	109 W	—	65
2 5	10 20.21	−51 38.8	1.110	1.727	32.2	21.0	111 W	—	64
2 10	10 13.59	−52 14.1	1.058	1.704	32.3	20.8	113 W	—	64
2 15	10 5.75	−52 32.2	1.008	1.680	32.3	20.7	115 W	—	63
2 20	9 56.94	−52 30.2	0.959	1.655	32.4	20.6	116 E	—	63
2 25	9 47.48	−52 5.2	0.911	1.630	32.4	20.4	118 E	—	64
3 2	9 37.76	−51 14.4	0.866	1.604	32.6	20.3	119 E	—	65
3 7	9 28.25	−49 55.6	0.822	1.577	32.8	20.1	120 E	—	66
3 12	9 19.41	−48 6.7	0.781	1.550	33.2	20.0	121 E	—	68
3 17	9 11.69	−45 46.5	0.743	1.523	33.8	19.9	122 E	—	70
3 22	9 5.42	−42 55.1	0.708	1.495	34.5	19.8	122 E	2	73
3 27	9 0.83	−39 33.3	0.677	1.467	35.6	19.6	121 E	5	76
4 1	8 58.00	−35 42.7	0.649	1.438	37.0	19.5	120 E	9	80
4 6	8 56.97	−31 25.7	0.625	1.409	38.7	19.5	118 E	14	85
4 11	8 57.70	−26 46.2	0.606	1.380	40.8	19.4	116 E	18	89
4 16	9 0.11	−21 49.1	0.592	1.350	43.1	19.4	113 E	23	86
4 21	9 4.10	−16 40.2	0.582	1.320	45.7	19.4	110 E	28*	81
4 26	9 9.53	−11 25.5	0.577	1.291	48.5	19.4	106 E	33*	75
5 1	9 16.26	− 6 11.1	0.576	1.261	51.4	19.4	102 E	37*	70
5 6	9 24.16	− 1 2.3	0.579	1.231	54.2	19.4	98 E	41*	65
5 11	9 33.13	+ 3 56.2	0.585	1.202	56.9	19.5	94 E	44*	60

503871 2000 *SL* *(continuation)*

2021	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
	h m	° ′			°	m	°	°	°
5 16	9 43.07	+ 8 41.0	0.595	1.173	59.5	19.6	90 E	47*	55
5 21	9 53.85	+13 9.8	0.606	1.145	61.9	19.6	86 E	49*	51
5 26	10 5.37	+17 21.7	0.620	1.117	64.0	19.7	83 E	50*	47
5 31	10 17.53	+21 16.7	0.634	1.091	65.9	19.7	79 E	51*	43
6 5	10 30.25	+24 55.2	0.649	1.065	67.6	19.8	76 E	52*	39*
6 10	10 43.46	+28 18.0	0.664	1.041	69.0	19.8	73 E	52*	36*
6 15	10 57.10	+31 26.3	0.679	1.019	70.3	19.9	71 E	53*	32*
6 20	11 11.10	+34 21.6	0.692	0.999	71.3	19.9	69 E	53*	29*
6 25	11 25.38	+37 5.1	0.704	0.981	72.1	19.9	67 E	53*	27*
6 30	11 39.92	+39 38.0	0.714	0.965	72.8	19.9	65 E	53*	24*
7 5	11 54.69	+42 1.3	0.721	0.952	73.4	19.9	64 E	54*	21*
7 15	12 25.01	+46 22.0	0.728	0.936	74.1	20.0	62 E	55*	17*
7 25	12 56.68	+50 12.7	0.722	0.933	74.5	19.9	62 E	56*	12*
8 4	13 30.76	+53 34.8	0.703	0.942	74.5	19.9	64 E	58*	9*
8 9	13 49.35	+55 4.6	0.689	0.952	74.4	19.9	65 E	59*	7*
8 14	14 9.48	+56 25.9	0.671	0.965	74.1	19.8	66 E	60*	6*
8 19	14 31.61	+57 37.6	0.650	0.980	73.6	19.8	68 E	61*	5*
8 24	14 56.30	+58 37.0	0.627	0.998	72.9	19.7	71 E	63*	4*
8 26	15 7.03	+58 56.5	0.617	1.006	72.6	19.7	72 E	64*	4*
8 28	15 18.30	+59 13.1	0.606	1.014	72.2	19.7	73 E	64*	3*
8 30	15 30.15	+59 26.3	0.596	1.023	71.8	19.6	74 E	65*	3*
9 1	15 42.60	+59 35.7	0.585	1.032	71.3	19.6	75 E	66*	3*
9 3	15 55.68	+59 40.7	0.574	1.041	70.7	19.6	77 E	67*	3*
9 8	16 31.16	+59 30.1	0.546	1.065	69.0	19.4	81 E	70*	4*
9 13	17 10.24	+58 36.7	0.518	1.090	66.8	19.3	85 E	73*	5*
9 18	17 51.79	+56 47.7	0.492	1.117	64.1	19.2	90 E	77*	7*
9 23	18 33.94	+53 50.9	0.469	1.144	60.9	19.0	95 E	81	10
9 25	18 50.51	+52 19.4	0.461	1.155	59.4	19.0	97 E	83	12
9 27	19 6.71	+50 35.7	0.454	1.167	57.9	18.9	100 E	84	13
9 29	19 22.46	+48 40.3	0.448	1.178	56.3	18.9	102 E	86	15
10 1	19 37.66	+46 33.7	0.444	1.190	54.7	18.8	104 E	88	17
10 3	19 52.27	+44 16.7	0.440	1.201	53.1	18.8	106 E	89	20
10 5	20 6.23	+41 50.8	0.439	1.213	51.4	18.7	109 E	87	22
10 7	20 19.54	+39 17.4	0.438	1.225	49.8	18.7	111 E	84	25
10 9	20 32.18	+36 38.3	0.440	1.237	48.2	18.7	113 E	82	27
10 11	20 44.18	+33 55.5	0.443	1.248	46.8	18.7	114 E	79	30
10 13	20 55.54	+31 11.0	0.448	1.260	45.4	18.7	116 E	76	33
10 15	21 6.29	+28 26.9	0.455	1.272	44.1	18.7	117 E	73	36
10 17	21 16.47	+25 44.8	0.463	1.284	43.0	18.7	119 E	71	38
10 19	21 26.10	+23 6.4	0.474	1.296	42.0	18.8	119 E	68	41
10 21	21 35.23	+20 33.2	0.486	1.308	41.2	18.8	120 E	66	43
10 23	21 43.88	+18 6.3	0.499	1.320	40.6	18.9	120 E	63	46
10 25	21 52.10	+15 46.4	0.514	1.332	40.0	19.0	121 E	61	48
10 27	21 59.92	+13 34.1	0.531	1.344	39.6	19.0	120 E	59	50
10 29	22 7.37	+11 29.8	0.549	1.355	39.3	19.1	120 E	56	53
10 31	22 14.49	+ 9 33.5	0.568	1.367	39.1	19.2	120 E	55	54
11 2	22 21.30	+ 7 45.4	0.589	1.379	38.9	19.3	119 E	53	56
11 7	22 37.14	+ 3 49.1	0.645	1.408	38.7	19.5	117 E	49	60
11 12	22 51.58	+ 0 37.5	0.707	1.437	38.7	19.8	115 E	46	63
11 17	23 4.89	− 1 55.5	0.774	1.466	38.7	20.0	112 E	43	66
11 22	23 17.29	− 3 56.1	0.845	1.494	38.7	20.3	109 E	41	68
11 27	23 28.96	− 5 29.9	0.918	1.522	38.5	20.5	106 E	40	69
12 2	23 40.04	− 6 41.4	0.994	1.550	38.3	20.7	103 E	38	71*
12 7	23 50.66	− 7 34.6	1.072	1.577	38.0	20.9	100 E	37	71*
12 12	0 0.90	− 8 12.5	1.151	1.603	37.6	21.0	97 E	37	71*
12 17	0 10.84	− 8 37.9	1.231	1.629	37.1	21.2	94 E	36	69*
12 22	0 20.53	− 8 52.9	1.312	1.654	36.5	21.4	91 E	36	68*

428090 2006 PU_{32}

1 16	10 34.15	+37 14.4	1.895	2.733	13.0	21.6	141 W	82	27
1 21	10 28.99	+37 41.8	1.865	2.733	11.8	21.6	146 W	83	26
1 26	10 23.00	+38 6.1	1.840	2.733	10.6	21.5	149 W	83	26
1 31	10 16.32	+38 26.0	1.822	2.733	9.6	21.4	152 W	83	26
2 5	10 9.07	+38 40.4	1.811	2.733	9.0	21.4	154 W	84	25
2 10	10 1.45	+38 48.0	1.807	2.733	8.8	21.4	155 W	84	25
2 15	9 53.67	+38 48.1	1.810	2.732	9.1	21.4	154 E	84	25
2 20	9 45.97	+38 40.3	1.820	2.731	9.9	21.4	152 E	84	25
2 25	9 38.57	+38 24.6	1.837	2.730	11.0	21.5	148 E	83	26
3 2	9 31.65	+38 1.4	1.861	2.729	12.2	21.6	144 E	83	26
3 7	9 25.37	+37 31.3	1.891	2.727	13.5	21.6	140 E	83	26
3 12	9 19.85	+36 55.1	1.927	2.725	14.8	21.7	135 E	82	27

120708 1997 MA_2

1 16	10 36.56	+ 9 33.7	2.125	2.936	12.8	21.3	139 W	55	54
1 26	10 30.49	+10 20.7	2.054	2.951	9.5	21.1	150 W	55	54
2 5	10 22.48	+11 18.2	2.009	2.965	5.6	20.9	163 W	56	53
2 15	10 13.17	+12 21.1	1.993	2.979	1.6	20.7	175 W	57	52
2 25	10 3.51	+13 23.2	2.008	2.991	2.7	20.8	172 E	58	51

120708 1997 MA_2 *(continuation)*

3 7	9 54.47	+14 18.7	2.053	3.002	6.7	21.1	159 E	59	50
3 17	9 46.89	+15 3.6	2.126	3.013	10.2	21.3	148 E	60	49

337589 2001 SS_{342}

1 16	10 39.54	+18 16.2	1.682	2.519	14.4	21.3	140 W	63	46
1 21	10 36.58	+18 52.8	1.659	2.535	12.5	21.3	146 W	64	45
1 26	10 32.94	+19 31.3	1.640	2.551	10.5	21.2	152 W	65	44
1 31	10 28.70	+20 10.5	1.629	2.566	8.5	21.1	157 W	65	44
2 5	10 23.95	+20 49.4	1.623	2.582	6.5	21.0	163 W	66	43
2 10	10 18.84	+21 26.9	1.625	2.597	4.8	20.9	167 W	66	43
2 15	10 13.51	+22 1.8	1.634	2.612	3.9	20.9	170 W	67	42
2 20	10 8.14	+22 33.1	1.650	2.627	4.3	21.0	168 E	68	41
2 25	10 2.89	+23 0.1	1.674	2.641	5.7	21.1	165 E	68	41
3 2	9 57.90	+23 22.2	1.705	2.656	7.5	21.2	159 E	68	41
3 7	9 53.32	+23 39.2	1.742	2.670	9.3	21.4	154 E	69	40
3 12	9 49.25	+23 51.0	1.785	2.684	11.1	21.5	149 E	69	40
3 17	9 45.78	+23 57.6	1.835	2.697	12.8	21.6	143 E	69	40

213158 2000 QE_{55}

1 16	10 48.49	+12 46.8	1.769	2.577	15.1	21.4	137 W	58	51
1 26	10 42.91	+13 18.8	1.668	2.559	11.6	21.2	148 W	58	51
2 5	10 34.51	+14 1.6	1.589	2.540	7.4	20.9	161 W	59	50
2 15	10 23.87	+14 49.8	1.538	2.521	3.0	20.5	172 W	60	49
2 25	10 12.08	+15 36.0	1.516	2.500	3.2	20.5	172 E	61	48
3 7	10 0.48	+16 13.2	1.523	2.478	7.9	20.7	160 E	61	48
3 17	9 50.38	+16 36.7	1.557	2.456	12.5	21.0	148 E	62	47
3 27	9 42.84	+16 44.0	1.613	2.432	16.5	21.2	136 E	62	47
4 6	9 38.39	+16 35.5	1.686	2.407	19.8	21.3	125 E	62	47

273292 2006 SP_{36}

1 16	10 54.21	+14 54.0	1.898	2.695	14.6	21.4	136 W	60	49
1 26	10 49.64	+16 5.9	1.804	2.687	11.4	21.1	147 W	61	48
2 5	10 42.46	+17 29.1	1.734	2.677	7.6	20.9	159 W	62	47
2 15	10 33.17	+18 56.4	1.691	2.667	4.2	20.6	169 W	64	45
2 25	10 22.71	+20 18.5	1.678	2.655	4.2	20.6	169 E	65	44
3 7	10 12.27	+21 27.0	1.693	2.643	7.8	20.8	159 E	66	43
3 17	10 3.03	+22 16.3	1.736	2.629	11.8	21.0	147 E	67	42
3 27	9 55.98	+22 43.9	1.802	2.615	15.3	21.2	136 E	68	41
4 6	9 51.67	+22 50.8	1.886	2.599	18.2	21.4	126 E	68	41

179775 2002 SK_{41}

1 16	11 13.70	+ 6 59.6	2.029	2.757	16.1	21.3	129 W	52	57
1 26	11 10.36	+ 7 24.3	1.911	2.741	13.3	21.1	140 W	52	57
2 5	11 4.41	+ 8 4.1	1.814	2.723	9.8	20.8	152 W	53	56
2 15	10 56.12	+ 8 56.2	1.741	2.705	5.7	20.5	164 W	54	55
2 25	10 46.19	+ 9 55.1	1.697	2.686	1.3	20.2	176 W	55	54
3 2	10 40.92	+10 25.0	1.686	2.676	1.5	20.2	176 E	55	54
3 7	10 35.62	+10 54.2	1.683	2.665	3.7	20.3	170 E	56	53
3 12	10 30.45	+11 21.6	1.686	2.655	6.0	20.4	164 E	56	53
3 17	10 25.55	+11 46.6	1.697	2.644	8.3	20.5	157 E	57	52
3 22	10 21.06	+12 8.5	1.715	2.633	10.5	20.6	151 E	57	52
3 27	10 17.09	+12 26.8	1.738	2.621	12.5	20.7	145 E	57	52
4 1	10 13.70	+12 41.4	1.767	2.610	14.4	20.8	140 E	58	51
4 6	10 10.98	+12 52.0	1.802	2.598	16.1	20.9	134 E	58	51
4 11	10 8.94	+12 58.6	1.840	2.586	17.6	21.0	129 E	58	51
4 16	10 7.63	+13 1.1	1.882	2.574	19.0	21.1	123 E	58	51
4 21	10 7.03	+12 59.8	1.927	2.561	20.2	21.2	118 E	58	51
4 26	10 7.14	+12 54.7	1.974	2.548	21.2	21.2	114 E	58	51
5 1	10 7.91	+12 46.0	2.023	2.535	22.1	21.3	109 E	58*	51
5 6	10 9.33	+12 33.9	2.074	2.522	22.8	21.4	104 E	57*	51
5 11	10 11.36	+12 18.5	2.126	2.509	23.3	21.4	100 E	55*	52
5 16	10 13.96	+12 0.0	2.178	2.495	23.8	21.5	96 E	53*	52

124158 2001 OV_2

1 16	11 14.63	− 1 15.0	2.422	3.098	15.0	21.4	126 W	44	65
1 26	11 10.66	− 1 16.7	2.309	3.098	12.6	21.2	136 W	44	65
2 5	11 4.50	− 1 3.1	2.217	3.097	9.7	21.0	148 W	44	65
2 15	10 56.49	− 0 34.7	2.149	3.094	6.4	20.8	160 W	44	65
2 25	10 47.24	+ 0 6.2	2.111	3.091	3.1	20.6	170 W	45	64
3 7	10 37.58	+ 0 55.5	2.102	3.086	2.9	20.6	171 E	46	63
3 17	10 28.41	+ 1 48.1	2.125	3.080	6.2	20.8	160 E	47	62
3 27	10 20.56	+ 2 38.5	2.175	3.074	9.6	21.0	149 E	48	61
4 6	10 14.62	+ 3 22.4	2.251	3.066	12.7	21.1	138 E	48	61
4 16	10 10.93	+ 3 56.5	2.346	3.057	15.2	21.3	127 E	49	60
4 26	10 9.59	+ 4 19.2	2.457	3.048	17.1	21.5	117 E	49	60

517681 2015 DE_{198}

1 16	11 16.42	+28 52.0	0.997	1.817	23.3	21.1	133 W	74	35
1 21	11 18.12	+29 50.8	0.927	1.778	22.2	20.9	137 W	75	34
1 26	11 18.79	+30 58.1	0.861	1.739	21.0	20.6	141 W	76	33
1 31	11 18.28	+32 13.9	0.798	1.699	19.8	20.4	144 W	77	32

517681 2015 DE_{198} *(continuation)*

2021	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
	h m	° ′			°	m	°	°	°
2 5	11 16.39	+33 37.5	0.740	1.658	18.7	20.1	147 W	79	30
2 10	11 12.90	+35 7.7	0.686	1.617	17.9	19.9	150 W	80	29
2 15	11 7.61	+36 42.3	0.637	1.575	17.7	19.6	151 W	82	27
2 20	11 0.37	+38 18.0	0.593	1.533	18.4	19.4	151 W	83	26
2 25	10 51.06	+39 50.6	0.552	1.491	20.0	19.3	149 W	85	24
3 2	10 39.67	+41 15.1	0.517	1.448	22.5	19.1	146 E	86	23
3 7	10 26.32	+42 26.1	0.485	1.406	25.9	19.0	142 E	87	22
3 12	10 11.34	+43 17.8	0.457	1.363	30.0	19.0	137 E	88	21
3 17	9 55.26	+43 45.4	0.432	1.320	34.7	18.9	131 E	89	20
3 19	9 48.68	+43 48.8	0.423	1.303	36.6	18.9	129 E	89	20
3 21	9 42.07	+43 47.8	0.415	1.285	38.7	18.9	126 E	89	20
3 23	9 35.48	+43 42.2	0.406	1.268	40.7	18.9	124 E	89	20
3 25	9 28.96	+43 32.0	0.398	1.251	42.9	18.8	121 E	89	20
3 27	9 22.52	+43 17.2	0.390	1.234	45.0	18.8	119 E	88	21
4 1	9 7.02	+42 20.6	0.371	1.192	50.6	18.8	113 E	87	22
4 6	8 52.56	+40 56.7	0.352	1.151	56.5	18.8	106 E	86	23
4 11	8 39.21	+39 6.5	0.334	1.111	62.6	18.8	100 E	84	25
4 16	8 26.81	+36 50.6	0.315	1.072	69.0	18.8	94 E	81*	27
4 21	8 14.89	+34 8.0	0.296	1.035	75.9	18.8	88 E	74*	30
4 26	8 2.76	+30 55.8	0.276	1.000	83.3	18.8	81 E	66*	33*
4 28	7 57.65	+29 29.5	0.268	0.987	86.5	18.8	78 E	62*	34*
4 30	7 52.29	+27 57.1	0.259	0.974	89.8	18.9	75 E	58*	35*
5 2	7 46.63	+26 18.1	0.251	0.962	93.2	18.9	72 E	55*	36*
5 4	7 40.60	+24 31.9	0.243	0.950	96.8	19.0	69 E	51*	37*
5 6	7 34.12	+22 37.9	0.235	0.939	100.5	19.1	66 E	46*	38*
5 11	7 15.49	+17 15.3	0.217	0.914	110.5	19.4	58 E	35*	39*
5 16	6 52.59	+10 55.7	0.201	0.893	121.0	19.9	49 E	22*	38*
5 21	6 24.82	+ 3 48.1	0.191	0.877	130.9	20.6	41 E	8*	35*
5 26	5 52.71	− 3 33.3	0.188	0.866	137.8	21.3	35 E	—	28*
5 31	5 18.38	−10 13.5	0.193	0.861	138.7	21.5	34 E	—	19*
6 5	4 45.01	−15 25.4	0.206	0.862	133.6	21.0	38 W	—	12*
6 10	4 15.40	−18 55.1	0.225	0.868	125.5	20.4	44 W	—	25*
6 15	3 50.97	−20 57.3	0.247	0.880	116.7	20.0	51 W	—	36*
6 17	3 42.69	−21 27.2	0.257	0.887	113.2	19.9	53 W	—	39*
6 19	3 35.21	−21 48.6	0.267	0.894	109.8	19.7	56 W	—	43*
6 21	3 28.48	−22 3.1	0.277	0.902	106.6	19.7	58 W	—	46*
6 23	3 22.44	−22 11.8	0.287	0.910	103.5	19.6	61 W	—	50*
6 25	3 17.03	−22 15.8	0.297	0.920	100.4	19.5	63 W	—	53*
6 27	3 12.17	−22 16.2	0.307	0.930	97.5	19.5	65 W	—	56*
6 29	3 7.80	−22 13.8	0.317	0.940	94.7	19.4	67 W	—	59*
7 1	3 3.86	−22 9.3	0.326	0.952	92.0	19.4	69 W	—	61*
7 3	3 0.28	−22 3.2	0.335	0.964	89.4	19.4	71 W	—	64*
7 5	2 57.00	−21 56.1	0.344	0.976	86.9	19.4	73 W	—	66*
7 10	2 49.79	−21 36.5	0.364	1.009	80.9	19.4	78 W	5*	72*
7 15	2 43.41	−21 17.1	0.382	1.044	75.2	19.3	83 W	9*	77*
7 20	2 37.27	−21 0.6	0.398	1.082	69.9	19.3	89 W	14*	82*
7 25	2 30.93	−20 48.2	0.412	1.121	64.7	19.3	94 W	17*	85*
7 30	2 24.01	−20 40.5	0.424	1.162	59.6	19.3	99 W	20*	85
8 4	2 16.20	−20 37.4	0.435	1.203	54.5	19.3	105 W	22*	85
8 9	2 7.27	−20 37.9	0.445	1.245	49.4	19.3	111 W	24*	85
8 14	1 57.08	−20 40.4	0.455	1.288	44.3	19.2	117 W	24	85
8 19	1 45.65	−20 42.7	0.467	1.331	39.1	19.2	124 W	24	85
8 24	1 33.12	−20 42.5	0.480	1.374	33.9	19.2	131 W	24	85
8 29	1 19.73	−20 37.5	0.496	1.416	28.8	19.2	138 W	24	85
9 3	1 5.82	−20 26.0	0.516	1.459	23.8	19.2	144 W	25	84
9 8	0 51.84	−20 6.6	0.540	1.502	19.3	19.2	151 W	25	84
9 13	0 38.27	−19 38.6	0.570	1.544	15.4	19.3	156 W	25	84
9 18	0 25.55	−19 2.5	0.604	1.586	12.6	19.4	160 W	26	83
9 23	0 14.03	−18 19.3	0.645	1.627	11.4	19.5	161 W	27	82
9 28	0 3.90	−17 30.8	0.690	1.668	11.7	19.7	160 E	27	82
10 3	23 55.28	−16 38.2	0.742	1.709	13.1	20.0	157 E	28	81
10 8	23 48.21	−15 43.0	0.798	1.749	15.0	20.3	153 E	29	80
10 13	23 42.63	−14 46.1	0.860	1.788	17.0	20.5	148 E	30	79
10 18	23 38.47	−13 48.5	0.927	1.827	18.9	20.8	144 E	31	78
10 23	23 35.60	−12 50.7	0.997	1.866	20.5	21.1	139 E	32	77
10 28	23 33.88	−11 53.1	1.072	1.903	22.0	21.3	134 E	33	76

157780 7620 *P–L*

21/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
1 16	11 17.23	+11 36.1	2.209	2.938	14.9	21.3	130 W	57	52
1 26	11 13.88	+12 11.2	2.090	2.920	12.3	21.1	141 W	57	52
2 5	11 8.04	+12 57.9	1.992	2.901	9.1	20.8	152 W	58	51
2 15	10 59.99	+13 52.2	1.919	2.881	5.5	20.6	164 W	59	50
2 25	10 50.36	+14 48.2	1.876	2.860	2.5	20.3	173 W	60	49
3 2	10 45.23	+15 14.6	1.865	2.850	2.8	20.3	172 E	60	49
3 7	10 40.07	+15 39.0	1.862	2.839	4.4	20.4	167 E	61	48
3 12	10 35.00	+16 0.6	1.866	2.827	6.3	20.5	162 E	61	48
3 17	10 30.17	+16 18.9	1.878	2.816	8.2	20.6	156 E	61	48

157780 7620 *P–L* *(continuation)*

21/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
	h m	° ′			°	m	°	°	°
3 22	10 25.69	+16 33.3	1.896	2.804	10.2	20.7	150 E	62	47
3 27	10 21.68	+16 43.7	1.920	2.792	12.0	20.8	144 E	62	47
4 1	10 18.22	+16 50.0	1.950	2.780	13.7	20.9	139 E	62	47
4 6	10 15.35	+16 52.1	1.984	2.768	15.3	20.9	133 E	62	47
4 11	10 13.14	+16 50.2	2.024	2.755	16.7	21.0	128 E	62	47
4 16	10 11.59	+16 44.3	2.066	2.743	17.9	21.1	123 E	62	47
4 21	10 10.72	+16 34.8	2.112	2.730	19.0	21.2	118 E	62	47
4 26	10 10.51	+16 21.7	2.161	2.717	19.9	21.2	113 E	61	48
5 1	10 10.95	+16 5.4	2.211	2.703	20.7	21.3	108 E	61*	48
5 6	10 12.00	+15 46.1	2.263	2.690	21.4	21.4	104 E	60*	48
5 11	10 13.64	+15 24.0	2.316	2.676	21.9	21.4	100 E	58*	49
5 16	10 15.83	+14 59.1	2.369	2.662	22.2	21.5	95 E	56*	49

409800 2006 HP_{29}

21/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
1 16	11 22.73	−33 10.3	1.967	2.429	22.9	21.4	106 W	12	83
1 21	11 23.56	−33 55.5	1.897	2.411	22.6	21.3	109 W	11	82
1 26	11 23.72	−34 35.6	1.829	2.392	22.3	21.2	113 W	10	81
1 31	11 23.18	−35 9.6	1.763	2.374	21.8	21.1	117 W	10	81
2 5	11 21.90	−35 36.5	1.699	2.355	21.2	20.9	120 W	9	80
2 10	11 19.90	−35 55.0	1.638	2.336	20.6	20.8	124 W	9	80
2 15	11 17.18	−36 3.8	1.580	2.317	19.8	20.7	127 W	9	80
2 20	11 13.82	−36 1.7	1.526	2.298	19.0	20.6	131 W	9	80
2 25	11 9.89	−35 47.4	1.476	2.279	18.2	20.5	134 W	9	80
3 2	11 5.51	−35 20.1	1.429	2.259	17.3	20.4	137 W	10	81
3 7	11 0.83	−34 38.8	1.388	2.240	16.6	20.3	140 E	10	81
3 12	10 56.03	−33 43.2	1.351	2.221	16.0	20.2	142 E	11	82
3 17	10 51.29	−32 33.4	1.320	2.201	15.6	20.1	144 E	12	83
3 22	10 46.82	−31 10.0	1.294	2.182	15.5	20.0	144 E	14	85
3 27	10 42.81	−29 34.4	1.274	2.162	15.8	20.0	144 E	15	86
4 1	10 39.40	−27 48.4	1.260	2.143	16.4	19.9	143 E	17	88
4 6	10 36.73	−25 54.2	1.252	2.124	17.3	19.9	141 E	19	90
4 11	10 34.88	−23 54.2	1.250	2.104	18.6	20.0	138 E	21	88
4 16	10 33.93	−21 51.1	1.252	2.085	20.0	20.0	135 E	23	86
4 21	10 33.91	−19 47.3	1.261	2.066	21.5	20.0	131 E	25	84
4 26	10 34.81	−17 45.3	1.274	2.047	23.0	20.1	127 E	27	82
5 1	10 36.61	−15 47.0	1.291	2.028	24.5	20.1	123 E	29	80
5 6	10 39.27	−13 54.0	1.312	2.009	26.0	20.2	119 E	31	78
5 11	10 42.75	−12 7.4	1.337	1.990	27.3	20.2	115 E	33*	76
5 16	10 47.00	−10 28.3	1.365	1.971	28.6	20.3	111 E	34*	74
5 26	10 57.58	− 7 34.4	1.428	1.935	30.6	20.4	104 E	34*	72
6 5	11 10.55	− 5 13.4	1.497	1.899	32.1	20.5	96 E	33*	69
6 15	11 25.54	− 3 24.0	1.571	1.865	33.0	20.6	90 E	31*	67
6 25	11 42.22	− 2 3.5	1.646	1.832	33.5	20.7	83 E	29*	66*
7 5	12 0.28	− 1 8.2	1.720	1.800	33.5	20.8	78 E	26*	64*
7 15	12 19.55	− 0 34.6	1.792	1.771	33.2	20.8	72 E	25*	61*
7 25	12 39.86	− 0 19.3	1.861	1.743	32.5	20.8	67 E	23*	57*
8 4	13 1.10	− 0 18.6	1.926	1.718	31.7	20.8	63 E	23*	53*
8 14	13 23.20	− 0 29.8	1.987	1.696	30.6	20.9	59 E	22*	50*
8 24	13 46.11	− 0 49.6	2.043	1.676	29.5	20.9	55 E	22*	46*
9 3	14 9.79	− 1 15.5	2.095	1.660	28.3	20.9	51 E	22*	42*
9 13	14 34.25	− 1 44.6	2.142	1.647	27.0	20.8	48 E	23*	39*
9 23	14 59.46	− 2 14.5	2.185	1.637	25.7	20.8	45 E	23*	35*
10 3	15 25.39	− 2 42.6	2.224	1.631	24.4	20.8	42 E	24*	31*
10 13	15 52.03	− 3 6.6	2.261	1.628	23.2	20.8	40 E	24*	28*
10 23	16 19.29	− 3 24.1	2.296	1.630	22.0	20.8	38 E	24*	24*
11 2	16 47.10	− 3 33.1	2.331	1.635	20.9	20.8	36 E	25*	20*
11 12	17 15.37	− 3 31.9	2.366	1.643	19.8	20.8	34 E	25*	16*
11 22	17 43.92	− 3 19.0	2.401	1.655	18.7	20.9	33 E	25*	11*
12 2	18 12.62	− 2 53.5	2.438	1.671	17.6	20.9	31 E	24*	7*
12 12	18 41.29	− 2 15.1	2.478	1.690	16.6	20.9	29 E	23*	3*
12 22	19 9.75	− 1 24.0	2.519	1.711	15.5	20.9	28 E	22*	—
1 1	19 37.85	− 0 20.9	2.563	1.735	14.5	21.0	26 E	20*	—
1 11	20 5.44	+ 0 53.1	2.609	1.762	13.4	21.0	25 E	17*	—
1 21	20 32.40	+ 2 16.3	2.656	1.791	12.3	21.0	23 E	14*	—

216646 2003 QT_{56}

21/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
1 16	11 41.38	+ 5 40.3	1.811	2.479	19.6	21.3	122 W	51	58
1 26	11 41.60	+ 6 20.4	1.685	2.460	17.1	21.1	133 W	51	58
2 5	11 38.97	+ 7 21.9	1.575	2.440	13.9	20.8	144 W	52	57
2 15	11 33.45	+ 8 43.0	1.487	2.419	9.9	20.5	155 W	54	55
2 25	11 25.40	+10 17.9	1.423	2.397	5.4	20.2	167 W	55	54
3 2	11 20.66	+11 7.9	1.401	2.386	3.4	20.1	172 W	56	53
3 7	11 15.61	+11 57.8	1.386	2.375	2.8	20.0	173 W	57	52
3 12	11 10.41	+12 46.2	1.379	2.363	4.3	20.0	170 E	58	51
3 17	11 5.24	+13 31.7	1.378	2.351	6.6	20.2	164 E	59	50
3 22	11 0.28	+14 13.1	1.384	2.339	9.1	20.3	158 E	59	50
3 27	10 55.68	+14 49.4	1.397	2.327	11.5	20.4	152 E	60	49
4 1	10 51.58	+15 20.0	1.415	2.314	13.8	20.5	146 E	60	49
4 6	10 48.10	+15 44.5	1.439	2.302	16.0	20.6	141 E	61	48
4 11	10 45.32	+16 2.6	1.467	2.289	18.0	20.7	135 E	61	48
4 16	10 43.30	+16 14.5	1.499	2.276	19.8	20.8	130 E	61	48

216646 2003 QT_{56} *(continuation)*

2021	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
	h m	° ′			°	m	°	°	°
4 21	10 42.08	+16 20.3	1.535	2.263	21.4	20.8	125 E	61	48
4 26	10 41.66	+16 20.2	1.574	2.250	22.8	20.9	120 E	61	48
5 1	10 42.02	+16 14.6	1.614	2.236	24.1	21.0	115 E	61	48
5 6	10 43.13	+16 4.0	1.657	2.223	25.1	21.1	111 E	61	48
5 11	10 44.97	+15 48.6	1.701	2.209	26.0	21.2	106 E	61*	48
5 16	10 47.49	+15 28.7	1.746	2.195	26.8	21.2	102 E	59*	49
5 21	10 50.65	+15 4.7	1.791	2.181	27.3	21.3	98 E	57*	49
5 26	10 54.40	+14 36.9	1.837	2.167	27.8	21.3	95 E	54*	49
5 31	10 58.70	+14 5.6	1.882	2.152	28.1	21.4	91 E	51*	50
6 5	11 3.50	+13 30.9	1.927	2.138	28.3	21.4	88 E	48*	50
6 10	11 8.77	+12 53.2	1.971	2.124	28.4	21.5	84 E	45*	51
6 15	11 14.46	+12 12.6	2.014	2.109	28.4	21.5	81 E	42*	52

176069 2000 WG_{68}

1 16	11 42.17	− 5 22.8	1.966	2.573	19.8	21.3	118 W	40	69
1 26	11 41.59	− 5 47.0	1.838	2.560	17.8	21.1	128 W	39	70
2 5	11 38.28	− 5 52.6	1.724	2.545	15.0	20.8	138 W	39	70
2 15	11 32.25	− 5 37.4	1.629	2.530	11.5	20.6	149 W	39	70
2 25	11 23.88	− 5 0.8	1.557	2.513	7.4	20.3	161 W	40	69
3 7	11 13.94	− 4 5.4	1.512	2.496	3.8	20.0	170 W	41	68
3 12	11 8.72	− 3 32.1	1.500	2.487	3.4	20.0	172 E	41	68
3 17	11 3.52	− 2 56.4	1.495	2.478	4.6	20.0	168 E	42	67
3 22	10 58.53	− 2 19.4	1.497	2.468	6.6	20.1	163 E	43	66
3 27	10 53.89	− 1 42.1	1.506	2.459	8.8	20.2	158 E	43	66
4 1	10 49.72	− 1 5.6	1.521	2.449	11.1	20.3	152 E	44	65
4 6	10 46.12	− 0 30.9	1.543	2.439	13.2	20.4	146 E	44	65
4 11	10 43.17	+ 0 1.3	1.569	2.429	15.2	20.5	141 E	45	64
4 16	10 40.94	+ 0 30.2	1.601	2.418	17.0	20.6	135 E	46	63
4 21	10 39.46	+ 0 55.3	1.636	2.407	18.7	20.7	130 E	46	63
4 26	10 38.73	+ 1 16.2	1.676	2.397	20.2	20.8	125 E	46	63
5 1	10 38.74	+ 1 32.9	1.718	2.386	21.5	20.9	120 E	47	62
5 6	10 39.47	+ 1 45.2	1.763	2.374	22.6	21.0	115 E	47	62
5 11	10 40.88	+ 1 53.1	1.809	2.363	23.6	21.1	111 E	47*	62
5 16	10 42.95	+ 1 56.6	1.858	2.351	24.4	21.1	106 E	46*	62
5 21	10 45.64	+ 1 55.9	1.907	2.340	25.0	21.2	102 E	44*	62
5 26	10 48.91	+ 1 51.1	1.956	2.328	25.5	21.3	98 E	42*	62
5 31	10 52.70	+ 1 42.5	2.006	2.315	25.9	21.3	94 E	40*	62
6 5	10 56.98	+ 1 30.1	2.056	2.303	26.1	21.4	91 E	37*	62
6 10	11 1.72	+ 1 14.1	2.106	2.291	26.3	21.4	87 E	35*	63
6 15	11 6.89	+ 0 54.8	2.155	2.278	26.3	21.4	84 E	32*	63*
6 20	11 12.45	+ 0 32.2	2.203	2.265	26.2	21.5	80 E	29*	63*

237088 2008 TW_{2}

1 16	11 50.43	+14 2.4	2.395	3.043	15.8	21.5	123 W	59	50
1 26	11 48.30	+14 43.8	2.285	3.046	13.6	21.3	133 W	60	49
2 5	11 43.69	+15 35.8	2.194	3.048	10.9	21.1	144 W	61	48
2 15	11 36.76	+16 33.9	2.126	3.050	7.9	20.9	155 W	62	47
2 25	11 27.97	+17 32.1	2.086	3.050	5.1	20.7	164 W	63	46
3 7	11 18.08	+18 23.4	2.075	3.049	4.2	20.7	167 W	63	46
3 17	11 8.00	+19 2.0	2.093	3.048	6.4	20.8	160 E	64	45
3 27	10 58.72	+19 23.7	2.141	3.045	9.5	21.0	150 E	64	45
4 6	10 51.05	+19 27.3	2.213	3.042	12.4	21.2	139 E	64	45
4 16	10 45.52	+19 13.5	2.306	3.037	14.9	21.4	129 E	64	45

475297 2005 XS_{48}

1 16	11 56.07	−13 7.6	1.832	2.368	22.8	21.5	111 W	32	77
1 26	11 54.80	−14 4.5	1.755	2.409	20.6	21.4	120 W	31	78
2 5	11 50.54	−14 39.5	1.690	2.450	17.8	21.2	131 W	30	79
2 15	11 43.47	−14 49.4	1.641	2.490	14.4	21.1	141 W	30	79
2 25	11 34.19	−14 32.2	1.613	2.529	10.7	20.9	152 W	30	79
3 7	11 23.69	−13 49.4	1.610	2.567	7.4	20.8	160 W	31	78
3 17	11 13.15	−12 45.9	1.634	2.604	6.2	20.8	164 E	32	77
3 27	11 3.75	−11 29.9	1.687	2.640	8.0	21.0	158 E	33	76
4 6	10 56.38	−10 10.9	1.765	2.675	11.0	21.3	149 E	35	74

143947 2003 YQ_{117}

1 16	11 57.00	−18 54.7	3.171	3.596	15.1	21.4	108 W	26	83
1 26	11 54.36	−19 15.8	3.036	3.602	14.0	21.3	118 W	26	83
2 5	11 49.68	−19 20.9	2.915	3.606	12.5	21.1	128 W	26	83
2 15	11 43.08	−19 7.1	2.811	3.608	10.5	21.0	138 W	26	83
2 25	11 34.89	−18 32.9	2.730	3.610	8.3	20.8	148 W	26	83
3 7	11 25.66	−17 38.2	2.677	3.609	6.3	20.7	157 W	27	82
3 17	11 16.08	−16 25.4	2.654	3.608	5.3	20.6	161 E	29	80
3 27	11 6.94	−14 59.2	2.663	3.604	6.1	20.7	157 E	30	79
4 6	10 58.90	−13 25.9	2.701	3.600	8.1	20.8	150 E	32	77
4 16	10 52.48	−11 51.9	2.768	3.594	10.4	21.0	140 E	33	76
4 26	10 48.00	−10 23.4	2.859	3.586	12.5	21.1	130 E	35	74
5 6	10 45.54	− 9 4.6	2.968	3.577	14.2	21.2	120 E	36	73
5 16	10 45.08	− 7 58.2	3.090	3.566	15.4	21.4	110 E	36*	72
5 26	10 46.47	− 7 5.6	3.222	3.554	16.3	21.5	101 E	34*	71

451251 2010 JN_{121}

21/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
	h m	° ′			°	m	°	°	°
1 16	11 58.61	+39 47.8	2.605	3.265	14.4	21.5	125 W	85	24
1 21	11 57.73	+40 46.5	2.577	3.277	13.7	21.4	128 W	86	23
1 26	11 56.10	+41 45.4	2.554	3.290	13.0	21.4	131 W	87	22
1 31	11 53.73	+42 43.5	2.537	3.302	12.3	21.4	134 W	88	21
2 5	11 50.64	+43 39.7	2.525	3.314	11.7	21.3	137 W	89	20
2 10	11 46.85	+44 32.7	2.519	3.326	11.3	21.3	139 W	90	19
2 15	11 42.42	+45 21.3	2.519	3.337	10.9	21.3	140 W	90	19
2 20	11 37.46	+46 4.5	2.525	3.348	10.8	21.3	141 W	89	18
2 25	11 32.08	+46 41.1	2.537	3.360	10.8	21.3	140 W	88	17
3 2	11 26.40	+47 10.6	2.555	3.370	11.0	21.4	139 W	88	17
3 7	11 20.58	+47 32.3	2.580	3.381	11.4	21.4	138 W	87	16
3 12	11 14.77	+47 46.1	2.610	3.391	11.8	21.5	136 E	87	16
3 17	11 9.12	+47 51.8	2.645	3.402	12.4	21.5	133 E	87	16
3 22	11 3.78	+47 49.7	2.686	3.412	13.0	21.6	130 E	87	16
3 27	10 58.87	+47 40.2	2.732	3.421	13.5	21.6	127 E	87	16
4 1	10 54.48	+47 24.0	2.781	3.431	14.1	21.7	123 E	88	17
4 6	10 50.68	+47 1.6	2.835	3.440	14.7	21.8	120 E	88	17

219330 2000 KO_{1}

1 16	12 1.36	−16 57.2	2.687	3.132	17.4	21.3	108 W	28	81
1 26	12 2.00	−17 0.4	2.521	3.101	16.4	21.1	117 W	28	81
2 5	12 0.51	−16 43.5	2.367	3.069	14.8	20.9	128 W	28	81
2 15	11 56.82	−16 3.0	2.228	3.036	12.5	20.7	138 W	29	80
2 25	11 51.09	−14 55.9	2.110	3.002	9.8	20.4	149 W	30	79
3 7	11 43.71	−13 21.7	2.018	2.967	6.7	20.2	159 W	32	77
3 12	11 39.59	−12 25.0	1.982	2.950	5.4	20.1	164 W	33	76
3 17	11 35.33	−11 22.8	1.954	2.932	4.4	20.0	167 E	34	75
3 22	11 31.04	−10 15.9	1.934	2.914	4.4	19.9	167 E	35	74
3 27	11 26.85	− 9 5.6	1.922	2.896	5.3	20.0	165 E	36	73
4 1	11 22.85	− 7 53.1	1.917	2.878	6.7	20.0	160 E	37	72
4 6	11 19.15	− 6 39.7	1.920	2.859	8.5	20.1	155 E	38	71
4 11	11 15.85	− 5 26.7	1.930	2.840	10.3	20.2	150 E	40	69
4 16	11 13.02	− 4 15.5	1.947	2.821	12.1	20.2	144 E	41	68
4 21	11 10.73	− 3 7.0	1.970	2.802	13.8	20.3	138 E	42	67
4 26	11 9.02	− 2 2.3	1.998	2.783	15.3	20.4	133 E	43	66
5 6	11 7.42	− 0 6.5	2.068	2.744	18.1	20.5	122 E	45	64
5 16	11 8.27	+ 1 28.6	2.152	2.704	20.2	20.6	112 E	46*	63
5 26	11 11.48	+ 2 42.1	2.244	2.663	21.7	20.7	103 E	45*	61
6 5	11 16.82	+ 3 34.8	2.341	2.622	22.7	20.8	94 E	42*	60
6 15	11 24.08	+ 4 8.4	2.438	2.580	23.1	20.9	86 E	37*	60
6 25	11 33.05	+ 4 24.8	2.533	2.538	23.1	20.9	79 E	32*	59*
7 5	11 43.50	+ 4 26.2	2.622	2.495	22.7	21.0	72 E	28*	57*
7 15	11 55.27	+ 4 14.5	2.705	2.451	22.0	21.0	65 E	24*	53*
7 25	12 8.22	+ 3 51.7	2.778	2.407	21.1	21.0	58 E	21*	49*
8 4	12 22.23	+ 3 19.6	2.841	2.363	19.9	20.9	52 E	19*	44*
8 14	12 37.24	+ 2 39.7	2.894	2.319	18.5	20.9	47 E	17*	39*
8 24	12 53.18	+ 1 53.7	2.935	2.274	17.0	20.8	41 E	15*	34*
9 3	13 10.02	+ 1 3.0	2.965	2.230	15.4	20.7	36 E	14*	28*
9 13	13 27.76	+ 0 9.1	2.983	2.185	13.8	20.7	31 E	13*	23*
9 23	13 46.39	− 0 46.4	2.989	2.141	12.2	20.6	27 E	12*	18*
10 3	14 5.92	− 1 41.8	2.984	2.096	10.6	20.5	23 E	11*	13*
10 13	14 26.39	− 2 35.7	2.969	2.053	9.2	20.3	19 E	11*	8*
10 23	14 47.80	− 3 26.2	2.945	2.010	8.0	20.2	16 E	10*	3*
11 2	15 10.18	− 4 11.5	2.912	1.968	7.3	20.1	15 E	9*	—
11 12	15 33.55	− 4 49.8	2.871	1.927	7.2	20.0	14 E	8*	—
11 22	15 57.90	− 5 19.0	2.825	1.887	7.7	20.0	15 E	6*	—
12 2	16 23.22	− 5 37.3	2.774	1.849	8.7	19.9	16 W	7*	—
12 12	16 49.46	− 5 42.8	2.720	1.813	9.9	19.9	18 W	11*	—
12 22	17 16.53	− 5 34.1	2.664	1.779	11.3	19.9	21 W	14*	—
1 1	17 44.34	− 5 9.8	2.609	1.747	12.7	19.8	23 W	17*	—
1 11	18 12.75	− 4 29.3	2.556	1.718	14.1	19.8	25 W	19*	2*
1 21	18 41.59	− 3 32.6	2.505	1.693	15.5	19.8	27 W	21*	6*

233080 2005 PG

1 16	12 6.49	+ 4 4.7	2.406	2.969	17.3	21.4	116 W	49	60
1 26	12 5.48	+ 4 26.7	2.296	2.987	15.4	21.2	126 W	49	60
2 5	12 2.06	+ 5 3.3	2.202	3.003	12.8	21.1	137 W	50	59
2 15	11 56.32	+ 5 52.7	2.128	3.018	9.7	20.9	149 W	51	58
2 25	11 48.62	+ 6 51.2	2.079	3.032	6.1	20.7	161 W	52	57
3 7	11 39.57	+ 7 53.4	2.059	3.045	2.5	20.5	172 W	53	56
3 12	11 34.79	+ 8 24.0	2.060	3.051	1.7	20.4	175 W	53	56
3 17	11 30.00	+ 8 53.2	2.069	3.057	2.8	20.5	172 E	54	55
3 22	11 25.32	+ 9 20.2	2.086	3.062	4.5	20.6	166 E	54	55
3 27	11 20.86	+ 9 44.5	2.110	3.068	6.3	20.7	160 E	55	54
4 1	11 16.71	+10 5.6	2.141	3.073	8.1	20.9	154 E	55	54
4 6	11 12.95	+10 23.2	2.179	3.078	9.7	21.0	149 E	55	54
4 11	11 9.66	+10 37.0	2.222	3.082	11.3	21.1	143 E	56	53
4 16	11 6.88	+10 47.0	2.272	3.086	12.7	21.2	137 E	56	53
4 21	11 4.65	+10 53.2	2.326	3.090	14.0	21.3	132 E	56	53
4 26	11 2.98	+10 55.5	2.384	3.094	15.1	21.4	127 E	56	53
5 1	11 1.88	+10 54.3	2.447	3.098	16.1	21.5	122 E	56	53

247925 2003 *WD*$_{87}$

2021	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
	h m	° ′			°	m	°	°	°
1 16	12 8.84	− 4 41.7	2.732	3.230	16.4	21.4	112 W	40	69
1 26	12 7.30	− 5 5.4	2.615	3.248	14.9	21.3	122 W	40	69
2 5	12 3.57	− 5 16.3	2.512	3.266	12.8	21.1	133 W	40	69
2 15	11 57.73	− 5 13.6	2.429	3.282	10.1	21.0	144 W	40	69
2 25	11 50.11	− 4 57.8	2.369	3.298	7.0	20.8	156 W	40	69
3 7	11 41.26	− 4 30.7	2.337	3.313	3.8	20.6	167 W	40	69
3 17	11 31.89	− 3 55.4	2.336	3.327	1.9	20.5	173 E	41	68
3 27	11 22.83	− 3 16.2	2.366	3.340	4.4	20.7	165 E	42	67
4 6	11 14.83	− 2 37.7	2.425	3.352	7.6	20.9	154 E	42	67
4 16	11 8.44	− 2 3.9	2.511	3.363	10.5	21.1	142 E	43	66
4 26	11 4.01	− 1 38.1	2.619	3.373	12.9	21.3	132 E	43	66
5 6	11 1.65	− 1 22.0	2.745	3.382	14.7	21.5	121 E	44	65

267720 2003 *CA*

2021	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
1 16	12 19.57	+12 46.2	1.060	1.731	30.8	21.4	116 W	58	51
1 21	12 16.09	+14 37.7	1.040	1.769	28.2	21.4	122 W	60	49
1 26	12 11.21	+16 37.5	1.023	1.806	25.3	21.3	128 W	62	47
1 31	12 4.91	+18 43.4	1.010	1.842	22.3	21.2	135 W	64	45
2 5	11 57.22	+20 52.5	1.003	1.876	19.2	21.1	141 W	66	43
2 10	11 48.22	+23 1.1	1.003	1.909	16.2	21.1	147 W	68	41
2 15	11 38.11	+25 4.7	1.010	1.941	13.6	21.0	153 W	70	39
2 20	11 27.19	+26 59.2	1.025	1.971	11.6	21.0	156 W	72	37
2 25	11 15.80	+28 40.9	1.047	2.000	10.7	21.1	158 W	74	35
3 2	11 4.36	+30 7.1	1.078	2.028	11.0	21.2	157 W	75	34
3 7	10 53.25	+31 16.6	1.116	2.054	12.3	21.3	154 E	76	33
3 12	10 42.81	+32 9.3	1.162	2.079	14.1	21.5	149 E	77	32
3 17	10 33.35	+32 46.1	1.214	2.104	16.0	21.7	144 E	78	31
3 22	10 25.07	+33 8.5	1.272	2.127	17.9	21.9	139 E	78	31
3 27	10 18.08	+33 18.5	1.335	2.149	19.6	22.1	134 E	78	31
4 1	10 12.41	+33 18.3	1.402	2.169	21.2	22.3	128 E	78	31

238063 2003 *EG*

2021	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
1 16	12 20.30	+12 43.2	2.257	2.823	18.3	21.5	115 W	58	51
1 26	12 16.78	+13 14.4	2.097	2.794	16.5	21.2	126 W	58	51
2 5	12 9.95	+13 59.9	1.953	2.762	13.9	21.0	138 W	59	50
2 15	11 59.54	+14 56.2	1.831	2.728	10.6	20.7	149 W	60	49
2 25	11 45.72	+15 56.9	1.736	2.691	6.9	20.4	161 W	61	48
3 2	11 37.72	+16 26.2	1.701	2.671	5.4	20.2	165 W	61	48
3 7	11 29.17	+16 53.1	1.673	2.651	4.6	20.1	168 W	62	47
3 12	11 20.26	+17 16.4	1.655	2.630	5.2	20.1	166 E	62	47
3 17	11 11.19	+17 35.1	1.645	2.608	6.9	20.2	162 E	63	46
3 22	11 2.19	+17 48.3	1.643	2.586	9.0	20.2	156 E	63	46
3 27	10 53.48	+17 55.5	1.650	2.562	11.2	20.3	150 E	63	46
4 1	10 45.26	+17 56.6	1.663	2.538	13.5	20.4	144 E	63	46
4 6	10 37.68	+17 51.7	1.684	2.514	15.6	20.5	137 E	63	46
4 16	10 24.94	+17 24.9	1.741	2.462	19.4	20.6	125 E	62	47
4 26	10 15.84	+16 39.0	1.815	2.407	22.4	20.8	114 E	62	47
5 6	10 10.40	+15 38.2	1.898	2.349	24.7	20.9	104 E	60*	48
5 16	10 8.35	+14 25.7	1.984	2.287	26.2	21.0	94 E	55*	50
5 26	10 9.30	+13 3.5	2.068	2.222	27.0	21.0	85 E	47*	51
6 5	10 12.81	+11 32.9	2.146	2.153	27.3	21.0	77 E	39*	52*
6 15	10 18.51	+ 9 54.3	2.214	2.080	27.1	21.0	69 E	31*	52*
6 25	10 26.09	+ 8 7.6	2.270	2.003	26.6	21.0	62 E	24*	50*
7 5	10 35.30	+ 6 12.4	2.311	1.922	25.8	20.9	55 E	18*	46*
7 15	10 46.00	+ 4 8.0	2.335	1.836	24.7	20.8	49 E	13*	42*
7 25	10 58.09	+ 1 53.5	2.342	1.746	23.5	20.7	43 E	8*	37*
8 4	11 11.54	− 0 32.2	2.330	1.651	22.1	20.5	38 E	4*	32*
8 14	11 26.43	− 3 10.6	2.299	1.550	20.8	20.3	33 E	—	27*
8 24	11 42.91	− 6 3.2	2.248	1.444	19.6	20.0	29 E	—	22*
9 3	12 1.28	− 9 11.8	2.178	1.332	18.6	19.8	25 E	—	18*
9 13	12 22.03	−12 38.5	2.087	1.214	18.1	19.5	22 E	—	14*
9 23	12 45.91	−16 24.6	1.978	1.091	18.4	19.1	20 E	—	11*
9 28	12 59.39	−18 25.0	1.916	1.027	19.0	18.9	19 E	—	10*
10 3	13 14.17	−20 30.0	1.849	0.961	19.9	18.7	19 E	—	10*
10 8	13 30.52	−22 38.8	1.778	0.895	21.4	18.6	19 E	—	9*
10 13	13 48.77	−24 49.7	1.703	0.829	23.4	18.4	19 E	—	9*
10 18	14 9.35	−26 59.9	1.623	0.763	26.1	18.2	20 E	—	10*
10 23	14 32.74	−29 4.3	1.538	0.698	29.8	17.9	20 E	—	11*
10 25	14 43.00	−29 50.9	1.503	0.673	31.6	17.9	21 E	—	11*
10 27	14 53.83	−30 34.6	1.468	0.649	33.6	17.8	21 E	—	12*
10 29	15 5.24	−31 14.6	1.431	0.625	35.8	17.7	22 E	—	13*
10 31	15 17.27	−31 50.1	1.394	0.603	38.2	17.7	22 E	—	14*
11 2	15 29.90	−32 19.8	1.357	0.582	40.9	17.6	23 E	—	14*
11 4	15 43.15	−32 42.7	1.318	0.563	43.8	17.5	23 E	—	15*
11 6	15 56.97	−32 57.3	1.280	0.545	47.0	17.5	24 E	—	16*
11 8	16 11.31	−33 2.3	1.241	0.530	50.4	17.5	24 E	—	17*
11 10	16 26.10	−32 56.2	1.201	0.518	54.1	17.4	25 E	—	18*
11 12	16 41.22	−32 37.7	1.162	0.508	57.9	17.4	26 E	—	19*
11 14	16 56.54	−32 5.6	1.123	0.501	61.8	17.5	27 E	—	20*

238063 2003 *EG* *(continuation)*

21/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
	h m	° ′			°	m	°	°	°
11 16	17 11.93	−31 19.0	1.084	0.498	65.7	17.5	27 E	—	21*
11 18	17 27.25	−30 17.4	1.046	0.498	69.6	17.5	28 E	2*	22*
11 20	17 42.34	−29 0.6	1.009	0.501	73.2	17.6	29 E	4*	23*
11 22	17 57.11	−27 28.8	0.973	0.508	76.6	17.6	30 E	6*	24*
11 27	18 32.11	−22 37.9	0.893	0.538	83.2	17.8	33 E	12*	24*
12 2	19 4.08	−16 33.2	0.828	0.583	86.9	18.0	36 E	19*	24*
12 7	19 33.36	− 9 35.9	0.780	0.637	87.5	18.1	40 E	27*	23*
12 12	20 0.67	− 2 9.4	0.749	0.699	85.6	18.1	45 E	34*	20*
12 14	20 11.21	+ 0 52.1	0.741	0.724	84.4	18.1	47 E	37*	19*
12 16	20 21.60	+ 3 53.2	0.736	0.750	82.9	18.1	49 E	40*	18*
12 18	20 31.87	+ 6 52.6	0.734	0.776	81.3	18.1	51 E	43*	17*
12 20	20 42.07	+ 9 49.1	0.733	0.803	79.5	18.1	53 E	46*	16*
12 22	20 52.21	+12 41.7	0.735	0.829	77.7	18.1	55 E	48*	14*
12 24	21 2.34	+15 29.3	0.739	0.856	75.7	18.2	58 E	51*	13*
12 26	21 12.47	+18 11.4	0.745	0.883	73.8	18.2	60 E	53*	12*
12 28	21 22.62	+20 47.1	0.753	0.909	71.9	18.2	61 E	55*	11*
12 30	21 32.81	+23 16.3	0.763	0.936	69.9	18.2	63 E	57*	10*
1 1	21 43.06	+25 38.3	0.774	0.962	68.0	18.3	65 E	59*	9*
1 6	22 8.95	+31 1.8	0.808	1.027	63.5	18.3	69 E	63*	7*
1 11	22 35.28	+35 39.6	0.851	1.091	59.3	18.5	73 E	66*	5*
1 16	23 2.00	+39 33.6	0.900	1.154	55.6	18.6	75 E	68*	4*
1 21	23 28.99	+42 47.0	0.956	1.215	52.3	18.7	78 E	69*	3*

101465 1998 *WL*$_{12}$

21/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
1 16	12 33.06	− 7 31.0	2.565	2.978	18.6	21.4	105 W	37	72
1 26	12 34.46	− 7 53.7	2.426	2.977	17.5	21.2	115 W	37	72
2 5	12 33.61	− 8 2.2	2.296	2.975	15.7	21.0	125 W	37	72
2 15	12 30.38	− 7 55.0	2.181	2.972	13.4	20.8	136 W	37	72
2 25	12 24.84	− 7 31.4	2.085	2.967	10.4	20.6	147 W	37	72
3 7	12 17.31	− 6 51.9	2.014	2.962	6.8	20.4	159 W	38	71
3 17	12 8.37	− 5 59.1	1.969	2.956	3.1	20.1	171 W	39	70
3 22	12 3.64	− 5 29.1	1.958	2.952	1.7	20.0	175 E	40	69
3 27	11 58.88	− 4 57.7	1.955	2.949	2.2	20.1	174 E	40	69
4 1	11 54.23	− 4 25.6	1.959	2.945	3.9	20.2	168 E	41	68
4 6	11 49.78	− 3 53.7	1.971	2.940	5.9	20.3	162 E	41	68
4 11	11 45.64	− 3 22.7	1.989	2.936	7.8	20.4	157 E	42	67
4 16	11 41.91	− 2 53.4	2.014	2.931	9.6	20.5	151 E	42	67
4 26	11 35.95	− 2 2.2	2.082	2.921	13.0	20.7	139 E	43	66
5 6	11 32.24	− 1 23.8	2.171	2.909	15.7	20.9	129 E	44	65
5 16	11 30.90	− 0 59.8	2.274	2.897	17.8	21.0	119 E	44*	65
5 26	11 31.86	− 0 50.8	2.388	2.884	19.4	21.2	109 E	43*	65
6 5	11 34.93	− 0 55.9	2.509	2.870	20.4	21.3	100 E	39*	65
6 15	11 39.88	− 1 14.1	2.632	2.854	20.8	21.4	92 E	35*	65
6 25	11 46.49	− 1 44.1	2.754	2.838	20.9	21.5	84 E	29*	66*

147083 2002 *SA*$_{37}$

21/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
1 16	12 34.04	− 2 35.9	2.093	2.559	21.6	21.5	107 W	42	67
1 26	12 37.56	− 3 2.2	1.947	2.539	20.4	21.3	116 W	42	67
2 5	12 38.63	− 3 13.8	1.809	2.518	18.5	21.0	126 W	42	67
2 15	12 36.96	− 3 9.1	1.685	2.496	15.8	20.8	136 W	42	67
2 25	12 32.42	− 2 47.5	1.579	2.473	12.3	20.5	148 W	42	67
3 7	12 25.17	− 2 10.2	1.495	2.450	8.1	20.2	160 W	43	66
3 17	12 15.76	− 1 20.1	1.436	2.426	3.2	19.8	172 W	44	65
3 22	12 10.54	− 0 52.1	1.417	2.413	0.6	19.6	179 W	44	65
3 27	12 5.18	− 0 23.4	1.405	2.401	2.0	19.7	175 E	45	64
4 1	11 59.85	+ 0 5.1	1.400	2.388	4.7	19.8	169 E	45	64
4 6	11 54.69	+ 0 32.3	1.402	2.375	7.3	19.9	162 E	46	63
4 11	11 49.88	+ 0 57.3	1.410	2.362	9.8	20.1	156 E	46	63
4 16	11 45.55	+ 1 19.3	1.424	2.349	12.3	20.2	150 E	46	63
4 26	11 38.76	+ 1 51.8	1.469	2.322	16.6	20.4	139 E	47	62
5 6	11 34.88	+ 2 6.6	1.531	2.294	20.3	20.5	128 E	47	62
5 16	11 34.07	+ 2 2.7	1.606	2.266	23.2	20.7	118 E	47	62
5 26	11 36.26	+ 1 40.8	1.690	2.238	25.3	20.9	109 E	45*	62
6 5	11 41.14	+ 1 2.3	1.778	2.209	26.8	21.0	101 E	42*	63
6 15	11 48.43	+ 0 9.1	1.868	2.179	27.7	21.1	93 E	37*	64
6 25	11 57.81	− 0 57.2	1.957	2.150	28.2	21.2	86 E	32*	65
7 5	12 9.01	− 2 14.7	2.044	2.120	28.2	21.2	80 E	27*	65*
7 15	12 21.82	− 3 41.9	2.127	2.090	27.9	21.3	74 E	23*	64*
7 25	12 36.07	− 5 17.2	2.205	2.060	27.3	21.3	68 E	19*	60*
8 4	12 51.61	− 6 59.1	2.277	2.030	26.5	21.3	63 E	16*	56*
8 14	13 8.39	− 8 46.1	2.343	2.000	25.4	21.3	58 E	14*	52*
8 24	13 26.34	−10 36.5	2.403	1.970	24.2	21.3	53 E	12*	47*
9 3	13 45.44	−12 28.7	2.456	1.941	22.9	21.3	49 E	10*	43*
9 13	14 5.69	−14 21.0	2.502	1.912	21.5	21.2	44 E	8*	38*
9 23	14 27.10	−16 11.2	2.542	1.884	19.9	21.2	40 E	7*	34*
10 3	14 49.67	−17 57.4	2.576	1.857	18.3	21.1	36 E	6*	30*
10 13	15 13.43	−19 37.2	2.603	1.831	16.6	21.1	32 E	5*	26*

147083 2002 SA_{37} *(continuation)*

21/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
	h m	° ′			°	m	°	°	°
10 23	15 38.37	−21 8.3	2.625	1.806	14.9	21.0	28 E	4*	22*
11 2	16 4.47	−22 28.0	2.642	1.783	13.1	20.9	24 E	3*	18*
11 12	16 31.67	−23 33.9	2.654	1.760	11.3	20.8	20 E	2*	14*
11 22	16 59.85	−24 23.4	2.662	1.740	9.5	20.8	17 E	1*	10*
12 2	17 28.88	−24 54.5	2.666	1.722	7.6	20.7	13 E	—	7*
12 12	17 58.57	−25 5.3	2.666	1.705	5.7	20.5	10 E	—	3*
12 22	18 28.67	−24 54.5	2.664	1.691	3.9	20.4	7 E	—	—
1 1	18 58.94	−24 21.6	2.659	1.679	2.1	20.3	4 E	—	—
1 11	19 29.14	−23 26.8	2.652	1.670	0.9	20.2	2 E	—	—
1 21	19 59.01	−22 10.9	2.644	1.663	2.1	20.3	4 W	—	—

379317 2009 WM_{25}

1 16	12 43.55	+26 6.8	2.192	2.739	19.2	21.5	114 W	71	38*
1 26	12 45.81	+27 53.9	2.109	2.759	17.6	21.3	122 W	73	36
2 5	12 45.15	+29 53.0	2.041	2.779	15.8	21.2	130 W	75	34
2 15	12 41.40	+31 56.5	1.991	2.797	13.9	21.1	137 W	77	32
2 25	12 34.69	+33 54.0	1.963	2.814	12.3	21.0	143 W	79	30
3 7	12 25.49	+35 34.2	1.959	2.831	11.6	21.0	145 W	81	28
3 17	12 14.69	+36 47.0	1.980	2.846	11.8	21.1	144 W	82	27
3 27	12 3.49	+37 25.9	2.025	2.861	13.0	21.2	140 E	82	27
4 6	11 53.12	+37 29.3	2.092	2.874	14.6	21.3	134 E	82	27
4 16	11 44.58	+36 59.9	2.178	2.886	16.3	21.5	126 E	82	27

479288 2013 GE_{69}

1 16	12 47.69	− 2 9.5	1.099	1.642	35.5	21.3	104 W	43	66*
1 26	13 4.04	− 4 15.1	0.988	1.612	35.1	21.1	110 W	41	68
2 5	13 19.12	− 6 18.4	0.884	1.582	34.2	20.7	115 W	39	70
2 15	13 32.46	− 8 18.7	0.788	1.554	32.7	20.4	122 W	37	72
2 25	13 43.52	−10 15.6	0.700	1.528	30.4	20.1	129 W	35	74
3 7	13 51.66	−12 9.2	0.623	1.504	27.2	19.7	136 W	33	76
3 17	13 56.16	−13 58.0	0.556	1.483	23.0	19.3	144 W	31	78
3 27	13 56.53	−15 40.2	0.502	1.464	17.7	18.9	153 W	29	80
4 6	13 52.84	−17 12.1	0.462	1.449	11.6	18.4	163 W	28	81
4 11	13 49.70	−17 52.7	0.448	1.443	8.6	18.2	168 W	27	82
4 16	13 45.97	−18 28.8	0.437	1.437	6.1	18.1	171 W	27	82
4 21	13 41.97	−19 0.5	0.430	1.432	5.5	18.0	172 E	26	83
4 26	13 38.01	−19 27.9	0.427	1.429	7.3	18.1	170 E	26	83
5 1	13 34.42	−19 51.4	0.428	1.426	10.3	18.2	165 E	25	84
5 6	13 31.48	−20 11.4	0.432	1.424	13.6	18.3	161 E	25	84
5 11	13 29.46	−20 29.0	0.440	1.423	16.9	18.5	156 E	25	84
5 16	13 28.55	−20 45.3	0.451	1.423	20.0	18.6	151 E	24	85
5 21	13 28.88	−21 1.4	0.464	1.424	22.9	18.8	147 E	24	85
5 26	13 30.49	−21 18.1	0.481	1.426	25.5	18.9	143 E	24	85
6 5	13 37.41	−21 55.1	0.521	1.432	29.9	19.3	135 E	23	86
6 15	13 48.87	−22 38.3	0.570	1.443	33.3	19.6	129 E	22*	87
6 25	14 4.21	−23 27.6	0.627	1.456	35.8	19.9	123 E	21*	87
7 5	14 22.60	−24 20.3	0.691	1.473	37.5	20.2	118 E	20*	88
7 15	14 43.42	−25 13.2	0.762	1.493	38.7	20.4	113 E	18*	89
7 25	15 6.10	−26 3.5	0.840	1.516	39.3	20.7	109 E	17*	90
8 4	15 30.14	−26 47.9	0.925	1.541	39.5	20.9	105 E	16*	89
8 14	15 55.19	−27 24.1	1.016	1.568	39.3	21.2	101 E	16*	89
8 24	16 20.93	−27 50.1	1.114	1.597	38.9	21.4	97 E	15*	88

124499 2001 RK_{46}

1 16	13 14.42	− 5 57.5	2.653	2.930	19.5	21.4	96 W	39	68*
1 26	13 18.74	− 6 24.2	2.496	2.916	19.0	21.3	105 W	39	70
2 5	13 21.07	− 6 39.2	2.346	2.902	18.0	21.1	115 W	38	71
2 15	13 21.12	− 6 41.3	2.204	2.886	16.3	20.9	125 W	38	71
2 25	13 18.70	− 6 29.6	2.077	2.870	13.9	20.7	136 W	39	70
3 7	13 13.79	− 6 4.3	1.969	2.852	10.9	20.4	147 W	39	70
3 17	13 6.56	− 5 26.5	1.883	2.834	7.3	20.2	159 W	40	69
3 27	12 57.56	− 4 39.0	1.825	2.815	3.1	19.9	171 W	40	69
4 1	12 52.64	− 4 13.2	1.806	2.805	1.0	19.7	177 W	41	68
4 6	12 47.60	− 3 46.8	1.795	2.794	1.4	19.7	176 E	41	68
4 11	12 42.56	− 3 20.7	1.792	2.784	3.6	19.8	170 E	42	67
4 16	12 37.66	− 2 55.7	1.795	2.773	5.8	19.9	164 E	42	67
4 21	12 33.03	− 2 32.4	1.806	2.762	7.9	20.0	158 E	42	67
4 26	12 28.78	− 2 11.6	1.823	2.751	10.0	20.1	152 E	43	66
5 6	12 21.73	− 1 39.4	1.875	2.728	13.7	20.3	140 E	43	66
5 16	12 17.02	− 1 21.8	1.947	2.703	16.8	20.5	129 E	44	65
5 26	12 14.88	− 1 20.0	2.033	2.678	19.3	20.7	119 E	44*	65
6 5	12 15.25	− 1 33.6	2.130	2.652	21.1	20.8	110 E	42*	66
6 15	12 17.99	− 2 1.5	2.233	2.625	22.3	20.9	101 E	38*	66
6 25	12 22.88	− 2 42.4	2.339	2.598	23.0	21.0	93 E	33*	67
7 5	12 29.66	− 3 34.5	2.444	2.569	23.2	21.1	85 E	29*	67*
7 15	12 38.12	− 4 36.4	2.546	2.539	23.1	21.1	78 E	24*	66*
7 25	12 48.07	− 5 46.6	2.643	2.509	22.6	21.2	71 E	20*	63*
8 4	12 59.34	− 7 3.8	2.733	2.478	21.8	21.2	65 E	17*	58*
8 14	13 11.82	− 8 26.7	2.815	2.446	20.7	21.2	59 E	14*	52*

124499 2001 RK_{46} *(continuation)*

21/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
	h m	° ′			°	m	°	°	°
8 24	13 25.41	− 9 54.0	2.889	2.413	19.5	21.2	53 E	12*	47*
9 3	13 40.04	−11 24.4	2.952	2.380	18.0	21.2	47 E	10*	41*
9 13	13 55.68	−12 57.0	3.006	2.346	16.5	21.1	41 E	8*	35*
9 23	14 12.31	−14 30.3	3.048	2.311	14.7	21.1	36 E	6*	30*
10 3	14 29.90	−16 3.1	3.080	2.276	12.9	21.0	31 E	5*	25*
10 13	14 48.46	−17 34.0	3.100	2.240	11.0	20.9	25 E	3*	19*
10 23	15 8.01	−19 1.6	3.109	2.204	9.0	20.8	20 E	1*	14*
11 2	15 28.54	−20 24.3	3.108	2.168	7.0	20.7	15 E	—	9*
11 12	15 50.06	−21 40.7	3.096	2.131	4.9	20.5	11 E	—	5*
11 22	16 12.57	−22 48.8	3.074	2.094	2.8	20.3	6 E	—	—
12 2	16 36.04	−23 47.1	3.042	2.057	1.0	20.1	2 E	—	—
12 12	17 0.45	−24 33.9	3.002	2.020	1.9	20.1	4 W	—	—
12 22	17 25.71	−25 7.4	2.953	1.984	4.0	20.2	8 W	—	2*
1 1	17 51.75	−25 26.0	2.897	1.948	6.2	20.2	12 W	—	6*
1 11	18 18.46	−25 28.4	2.835	1.912	8.3	20.2	16 W	2*	10*
1 21	18 45.70	−25 13.4	2.768	1.877	10.5	20.2	20 W	3*	14*

189013 1998 QD_3

1 16	13 25.63	−13 12.8	1.964	2.213	26.4	21.4	91 W	32	73*
1 26	13 36.25	−15 2.8	1.812	2.181	26.5	21.2	98 W	30	79*
2 5	13 45.36	−16 49.9	1.663	2.149	26.2	21.0	106 W	28	81
2 15	13 52.53	−18 33.2	1.520	2.116	25.4	20.7	113 W	26	83
2 25	13 57.27	−20 11.6	1.386	2.084	23.9	20.4	122 W	25	84
3 7	13 59.06	−21 43.3	1.263	2.051	21.6	20.1	130 W	23	86
3 17	13 57.40	−23 4.8	1.153	2.018	18.6	19.8	140 W	22	87
3 27	13 52.02	−24 11.5	1.060	1.985	14.8	19.4	149 W	21	88
4 1	13 47.98	−24 37.5	1.021	1.969	12.8	19.3	154 W	20	89
4 6	13 43.14	−24 57.5	0.987	1.953	10.8	19.1	159 W	20	89
4 11	13 37.63	−25 11.0	0.958	1.937	9.0	18.9	162 W	20	89
4 16	13 31.64	−25 17.6	0.935	1.921	7.9	18.8	165 E	20	89
4 21	13 25.43	−25 17.3	0.917	1.905	8.0	18.8	165 E	20	89
4 26	13 19.25	−25 10.5	0.905	1.890	9.1	18.8	163 E	20	89
5 1	13 13.35	−24 58.2	0.899	1.874	11.1	18.8	159 E	20	89
5 6	13 7.98	−24 41.5	0.897	1.859	13.6	18.9	154 E	20	89
5 11	13 3.36	−24 21.7	0.901	1.844	16.1	19.0	150 E	21	88
5 16	12 59.67	−24 0.4	0.909	1.829	18.7	19.1	145 E	21	88
5 21	12 57.04	−23 39.3	0.921	1.815	21.1	19.2	140 E	21	88
5 26	12 55.53	−23 19.6	0.936	1.801	23.5	19.2	135 E	22	87
5 31	12 55.15	−23 2.5	0.955	1.787	25.6	19.3	130 E	22	87
6 5	12 55.91	−22 48.7	0.976	1.774	27.6	19.4	126 E	22*	87
6 15	13 0.73	−22 33.1	1.024	1.748	30.9	19.6	118 E	21*	87
6 25	13 9.61	−22 35.2	1.079	1.724	33.5	19.7	111 E	19*	87
7 5	13 22.04	−22 53.8	1.137	1.702	35.4	19.9	104 E	17*	87
7 15	13 37.61	−23 26.4	1.198	1.682	36.7	20.0	99 E	15*	87
7 25	13 55.93	−24 9.8	1.260	1.665	37.5	20.1	93 E	13*	87*
8 4	14 16.67	−24 59.7	1.324	1.650	37.9	20.2	89 E	12*	83*
8 14	14 39.58	−25 52.0	1.388	1.638	38.0	20.3	84 E	11*	78*
8 24	15 4.41	−26 42.5	1.454	1.628	37.8	20.4	81 E	11*	74*
9 3	15 30.89	−27 26.8	1.521	1.622	37.3	20.5	77 E	11*	70*
9 13	15 58.80	−28 1.2	1.589	1.619	36.5	20.5	73 E	11*	67*
9 23	16 27.83	−28 22.2	1.660	1.619	35.6	20.6	70 E	11*	64*
10 3	16 57.68	−28 26.9	1.732	1.621	34.5	20.7	67 E	12*	61*
10 13	17 28.04	−28 13.3	1.806	1.627	33.3	20.7	63 E	13*	57*
10 23	17 58.55	−27 40.2	1.883	1.636	31.9	20.8	60 E	14*	54*
11 2	18 28.89	−26 47.3	1.962	1.648	30.3	20.9	57 E	15*	51*
11 12	18 58.82	−25 35.3	2.043	1.663	28.7	20.9	54 E	16*	47*
11 22	19 28.08	−24 5.4	2.126	1.680	27.0	21.0	50 E	18*	42*
12 2	19 56.53	−22 19.3	2.210	1.699	25.1	21.0	47 E	19*	38*
12 12	20 24.08	−20 19.2	2.294	1.721	23.2	21.1	44 E	20*	33*
12 22	20 50.67	−18 7.1	2.379	1.745	21.3	21.1	40 E	21*	28*
1 1	21 16.31	−15 45.6	2.462	1.770	19.3	21.2	36 E	21*	23*
1 11	21 41.05	−13 16.6	2.544	1.797	17.2	21.2	33 E	20*	19*
1 21	22 4.93	−10 42.2	2.624	1.826	15.1	21.2	29 E	19*	14*

381906 2010 CL_{19}

1 16	13 39.26	−18 25.8	1.648	1.861	31.8	21.5	86 W	27	74*
1 26	13 55.75	−20 24.2	1.461	1.788	33.4	21.2	92 W	25	81*
2 5	14 13.02	−22 25.8	1.277	1.711	34.8	20.8	97 W	23	86
2 15	14 31.48	−24 32.3	1.096	1.629	36.2	20.4	103 W	20	89
2 20	14 41.40	−25 38.2	1.008	1.587	37.0	20.2	105 W	19	90
2 25	14 51.98	−26 46.4	0.922	1.543	37.7	20.0	108 W	18	89
3 2	15 3.46	−27 57.5	0.837	1.497	38.6	19.7	110 W	17	88
3 7	15 16.17	−29 12.2	0.754	1.450	39.5	19.5	112 W	16	87
3 12	15 30.57	−30 31.1	0.674	1.402	40.7	19.2	113 W	14	85
3 17	15 47.39	−31 54.7	0.597	1.353	42.2	18.9	114 W	13	84
3 19	15 55.02	−32 29.4	0.567	1.333	42.9	18.8	114 W	13	84
3 21	16 3.30	−33 4.8	0.537	1.313	43.7	18.6	114 W	12	83
3 23	16 12.34	−33 40.6	0.508	1.292	44.6	18.5	114 W	11	82
3 25	16 22.28	−34 16.7	0.480	1.271	45.7	18.4	114 W	11	82

381906 2010 CL_{19} *(continuation)*

2021	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
	h m	° ′			°	m	°	°	°
3 27	16 33.29	−34 52.6	0.452	1.250	46.9	18.2	114 W	10	81
3 29	16 45.54	−35 27.6	0.425	1.229	48.4	18.1	113 W	10	81
3 31	16 59.26	−36 0.7	0.400	1.208	50.0	18.0	112 W	9	80
4 2	17 14.70	−36 30.4	0.375	1.186	51.9	17.9	111 W	8	79
4 4	17 32.13	−36 54.4	0.351	1.164	54.2	17.7	109 W	8	79
4 6	17 51.83	−37 9.8	0.328	1.142	56.8	17.6	107 W	8	79
4 7	18 2.61	−37 12.9	0.318	1.131	58.3	17.6	106 W	8*	79
4 8	18 14.04	−37 12.2	0.308	1.120	59.8	17.5	105 W	8*	79
4 9	18 26.14	−37 6.9	0.298	1.109	61.5	17.5	103 W	8*	79
4 10	18 38.91	−36 56.2	0.289	1.097	63.4	17.5	102 W	8*	79
4 11	18 52.34	−36 39.2	0.280	1.086	65.3	17.4	100 W	8*	79
4 12	19 6.41	−36 15.2	0.272	1.075	67.4	17.4	98 W	8*	80
4 13	19 21.05	−35 43.2	0.265	1.064	69.6	17.4	96 W	8*	80*
4 14	19 36.21	−35 2.5	0.258	1.052	72.0	17.4	94 W	8*	80*
4 15	19 51.80	−34 12.3	0.252	1.041	74.5	17.4	91 W	8*	80*
4 16	20 7.69	−33 12.3	0.247	1.029	77.1	17.4	89 W	8*	79*
4 17	20 23.76	−32 2.3	0.243	1.018	79.8	17.5	86 W	8*	77*
4 18	20 39.88	−30 42.3	0.240	1.006	82.6	17.5	84 W	8*	76*
4 19	20 55.92	−29 12.9	0.237	0.995	85.5	17.6	81 W	8*	73*
4 20	21 11.72	−27 34.9	0.236	0.983	88.4	17.6	78 W	8*	71*
4 21	21 27.18	−25 49.5	0.235	0.971	91.3	17.7	75 W	9*	68*
4 22	21 42.19	−23 58.1	0.236	0.960	94.2	17.8	72 W	9*	66*
4 23	21 56.67	−22 2.2	0.238	0.948	97.1	18.0	69 W	9*	63*
4 24	22 10.55	−20 3.6	0.240	0.936	99.8	18.1	67 W	9*	60*
4 25	22 23.80	−18 3.9	0.244	0.925	102.5	18.2	64 W	9*	58*
4 26	22 36.38	−16 4.4	0.248	0.913	105.0	18.4	61 W	9*	55*
4 27	22 48.31	−14 6.6	0.254	0.901	107.3	18.5	59 W	9*	53*
4 28	22 59.58	−12 11.5	0.260	0.890	109.5	18.7	56 W	9*	50*
4 29	23 10.22	−10 20.0	0.267	0.878	111.5	18.8	54 W	9*	48*
4 30	23 20.26	− 8 32.7	0.275	0.866	113.3	19.0	52 W	9*	46*
5 1	23 29.72	− 6 50.1	0.284	0.854	114.9	19.1	50 W	10*	44*
5 2	23 38.64	− 5 12.3	0.293	0.843	116.3	19.2	49 W	10*	42*
5 3	23 47.06	− 3 39.6	0.303	0.831	117.6	19.4	47 W	10*	41*
5 4	23 55.02	− 2 11.8	0.314	0.820	118.7	19.5	46 W	10*	39*
5 5	0 2.55	− 0 49.0	0.325	0.808	119.5	19.6	44 W	10*	38*
5 6	0 9.68	+ 0 29.2	0.336	0.797	120.3	19.7	43 W	10*	37*
5 8	0 22.90	+ 2 52.1	0.361	0.774	121.2	19.9	41 W	10*	34*
5 10	0 34.93	+ 4 58.9	0.387	0.751	121.6	20.0	39 W	11*	32*
5 12	0 45.99	+ 6 51.6	0.415	0.729	121.5	20.1	38 W	11*	31*
5 14	0 56.25	+ 8 32.1	0.445	0.708	120.8	20.1	37 W	11*	30*
5 16	1 5.90	+10 2.1	0.476	0.687	119.7	20.1	36 W	11*	29*
5 18	1 15.06	+11 23.2	0.509	0.667	118.2	20.1	36 W	12*	28*
5 20	1 23.87	+12 36.6	0.542	0.647	116.3	20.0	35 W	12*	27*
5 22	1 32.44	+13 43.5	0.577	0.629	114.0	19.9	35 W	12*	26*
5 24	1 40.84	+14 44.8	0.614	0.612	111.4	19.8	34 W	13*	26*
5 26	1 49.17	+15 41.3	0.651	0.597	108.4	19.7	34 W	13*	25*
5 28	1 57.49	+16 33.6	0.689	0.583	105.2	19.6	34 W	13*	25*
5 30	2 5.86	+17 22.2	0.729	0.572	101.8	19.5	34 W	13*	24*
6 1	2 14.32	+18 7.6	0.769	0.562	98.1	19.4	33 W	13*	24*
6 3	2 22.89	+18 49.9	0.810	0.554	94.2	19.3	33 W	14*	23*
6 5	2 31.60	+19 29.5	0.851	0.549	90.2	19.2	33 W	14*	23*
6 10	2 53.95	+20 57.1	0.955	0.548	80.0	19.1	32 W	14*	22*
6 15	3 16.93	+22 9.1	1.057	0.562	70.2	19.0	31 W	14*	21*
6 20	3 40.09	+23 5.6	1.155	0.590	61.5	19.1	31 W	14*	20*
6 25	4 2.95	+23 47.3	1.247	0.629	54.2	19.2	30 W	14*	19*
6 30	4 25.14	+24 15.2	1.332	0.676	48.3	19.3	30 W	15*	18*
7 5	4 46.41	+24 30.7	1.410	0.729	43.7	19.4	30 W	15*	18*
7 10	5 6.62	+24 35.4	1.481	0.785	40.1	19.6	30 W	16*	18*
7 15	5 25.73	+24 30.9	1.547	0.842	37.5	19.8	30 W	16*	18*
7 20	5 43.76	+24 18.6	1.606	0.901	35.4	20.0	31 W	18*	18*
7 25	6 0.74	+24 0.0	1.659	0.959	33.9	20.1	32 W	19*	18*
7 30	6 16.74	+23 36.0	1.707	1.017	32.9	20.3	33 W	20*	19*
8 4	6 31.81	+23 7.6	1.749	1.074	32.1	20.4	34 W	22*	20*
8 9	6 46.02	+22 35.6	1.786	1.131	31.6	20.6	36 W	24*	20*
8 14	6 59.42	+22 0.6	1.818	1.186	31.3	20.7	37 W	25*	21*
8 19	7 12.06	+21 23.2	1.845	1.239	31.1	20.8	39 W	27*	22*
8 24	7 23.98	+20 43.8	1.867	1.292	31.0	20.9	41 W	29*	23*
8 29	7 35.24	+20 3.0	1.885	1.343	31.1	21.0	43 W	32*	24*
9 3	7 45.86	+19 20.9	1.897	1.392	31.2	21.1	46 W	34*	25*
9 8	7 55.87	+18 38.0	1.905	1.441	31.3	21.2	48 W	36*	27*
9 13	8 5.29	+17 54.5	1.909	1.488	31.5	21.3	51 W	39*	28*
9 18	8 14.14	+17 10.7	1.908	1.533	31.6	21.4	53 W	41*	29*
9 23	8 22.43	+16 26.8	1.902	1.578	31.8	21.4	56 W	43*	31*
9 28	8 30.17	+15 43.1	1.893	1.621	32.0	21.5	59 W	46*	32*

326397 2001 RO_{91}

2021	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
1 16	13 42.77	− 6 42.9	2.289	2.484	23.3	21.5	90 W	38	65*
1 26	13 49.88	− 6 50.3	2.197	2.530	22.7	21.4	98 W	38	70*
2 5	13 54.69	− 6 42.1	2.108	2.575	21.5	21.3	107 W	38	71
2 15	13 56.96	− 6 17.9	2.024	2.620	19.7	21.2	117 W	39	70

326397 2001 RO_{91} *(continuation)*

2021	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
	h m	° ′			°	m	°	°	°
2 25	13 56.52	− 5 38.0	1.949	2.665	17.3	21.1	127 W	39	70
3 7	13 53.39	− 4 43.8	1.889	2.709	14.2	21.0	138 W	40	69
3 17	13 47.78	− 3 38.2	1.849	2.752	10.6	20.8	149 W	41	68
3 27	13 40.22	− 2 26.2	1.833	2.794	6.8	20.7	161 W	43	66
4 6	13 31.50	− 1 14.1	1.845	2.836	3.3	20.5	171 W	44	65
4 16	13 22.54	− 0 8.3	1.885	2.877	3.6	20.6	170 E	45	64
4 26	13 14.28	+ 0 45.3	1.954	2.918	6.9	20.9	160 E	46	63
5 6	13 7.46	+ 1 23.2	2.049	2.957	10.2	21.2	149 E	46	63
5 16	13 2.54	+ 1 43.8	2.167	2.996	13.0	21.4	138 E	47	62

307586 2003 HJ_{49}

2021	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
1 16	13 51.05	−17 14.5	1.837	1.989	29.5	21.5	84 W	28	71*
1 26	14 9.40	−18 18.5	1.685	1.946	30.4	21.3	90 W	27	77*
2 5	14 27.63	−19 7.8	1.537	1.902	31.1	21.1	95 W	26	82*
2 15	14 45.56	−19 39.3	1.394	1.859	31.4	20.8	101 W	25	84
2 25	15 2.92	−19 49.1	1.256	1.817	31.3	20.5	107 W	25	84
3 7	15 19.44	−19 33.2	1.126	1.776	30.8	20.2	114 W	25	84
3 12	15 27.24	−19 14.1	1.064	1.756	30.3	20.1	117 W	26	83
3 17	15 34.67	−18 46.8	1.005	1.736	29.6	19.9	120 W	26	83
3 22	15 41.65	−18 10.6	0.948	1.717	28.8	19.7	124 W	27	82
3 27	15 48.14	−17 25.0	0.894	1.698	27.8	19.5	128 W	28	81
4 1	15 54.07	−16 29.6	0.844	1.679	26.6	19.4	131 W	29	80
4 6	15 59.36	−15 23.8	0.796	1.662	25.2	19.2	135 W	30	79
4 16	16 7.78	−12 40.4	0.711	1.628	21.9	18.8	143 W	32	77
4 26	16 13.05	− 9 17.2	0.643	1.597	18.1	18.4	150 W	36	73
5 6	16 15.17	− 5 24.2	0.591	1.569	14.7	18.1	157 W	40	69
5 11	16 15.14	− 3 22.4	0.572	1.557	13.6	17.9	159 W	42	67
5 16	16 14.54	− 1 21.4	0.557	1.545	13.3	17.9	159 W	44	65
5 21	16 13.53	+ 0 35.1	0.547	1.535	14.0	17.8	159 W	46	63
5 26	16 12.30	+ 2 23.3	0.542	1.525	15.3	17.8	157 W	47	62
5 31	16 11.04	+ 4 0.3	0.540	1.516	17.3	17.9	154 E	49	60
6 5	16 9.94	+ 5 23.4	0.542	1.509	19.5	17.9	150 E	50	59
6 10	16 9.19	+ 6 30.7	0.547	1.503	21.8	18.0	147 E	52	57
6 15	16 8.97	+ 7 21.2	0.555	1.498	24.0	18.1	143 E	52	57
6 25	16 10.69	+ 8 12.4	0.581	1.491	28.2	18.3	136 E	53	56
7 5	16 15.70	+ 8 3.7	0.615	1.489	31.5	18.6	130 E	53	56
7 15	16 24.17	+ 7 6.2	0.657	1.492	34.1	18.8	125 E	52	57
7 20	16 29.68	+ 6 23.3	0.680	1.495	35.1	18.9	122 E	51	58
7 25	16 35.97	+ 5 33.2	0.706	1.499	35.9	19.0	120 E	51	58
7 30	16 42.98	+ 4 37.6	0.733	1.505	36.6	19.1	118 E	50	59
8 4	16 50.67	+ 3 37.7	0.761	1.512	37.1	19.2	116 E	49	60
8 9	16 58.98	+ 2 34.9	0.792	1.520	37.5	19.3	114 E	48*	61
8 14	17 7.87	+ 1 30.3	0.824	1.529	37.8	19.4	112 E	47*	62
8 19	17 17.29	+ 0 25.4	0.858	1.539	38.0	19.5	110 E	45*	64
8 24	17 27.17	− 0 38.9	0.894	1.550	38.2	19.6	109 E	44*	65
8 29	17 37.46	− 1 41.7	0.932	1.562	38.2	19.7	107 E	43*	66
9 3	17 48.11	− 2 42.2	0.972	1.575	38.2	19.9	105 E	42*	67
9 13	18 10.33	− 4 33.7	1.058	1.603	37.9	20.1	102 E	40*	69
9 23	18 33.47	− 6 8.5	1.152	1.635	37.4	20.3	98 E	39*	70
10 3	18 57.19	− 7 24.0	1.254	1.669	36.7	20.5	95 E	38	71*
10 13	19 21.24	− 8 18.9	1.364	1.705	35.8	20.7	91 E	37	71*
10 23	19 45.35	− 8 52.6	1.481	1.744	34.7	20.9	87 E	36	69*
11 2	20 9.32	− 9 6.2	1.605	1.784	33.5	21.1	83 E	36	65*
11 12	20 33.01	− 9 0.7	1.735	1.825	32.2	21.3	79 E	36	61*
11 22	20 56.29	− 8 37.9	1.869	1.868	30.7	21.4	75 E	36*	56*

124136 2001 LT_2

2021	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
1 16	13 54.83	− 6 5.9	2.314	2.466	23.5	21.4	87 W	39	63*
1 26	14 5.07	− 6 45.3	2.156	2.439	23.7	21.2	94 W	38	69*
2 5	14 13.86	− 7 14.0	2.000	2.412	23.5	21.0	102 W	38	71*
2 15	14 20.85	− 7 30.7	1.848	2.384	22.8	20.8	111 W	37	72
2 25	14 25.63	− 7 34.8	1.704	2.355	21.5	20.6	120 W	37	72
3 7	14 27.83	− 7 25.6	1.570	2.325	19.4	20.3	129 W	38	71
3 17	14 27.07	− 7 3.2	1.449	2.295	16.5	20.0	139 W	38	71
3 27	14 23.15	− 6 28.6	1.346	2.265	12.8	19.7	150 W	39	70
4 6	14 16.21	− 5 44.8	1.264	2.234	8.4	19.3	161 W	39	70
4 11	14 11.75	− 5 20.8	1.232	2.218	6.1	19.2	166 W	40	69
4 16	14 6.79	− 4 56.5	1.205	2.202	4.1	19.0	171 W	40	69
4 21	14 1.48	− 4 32.8	1.186	2.186	3.4	18.9	173 W	40	69
4 26	13 55.99	− 4 10.8	1.173	2.170	4.7	18.9	170 E	41	68
5 1	13 50.51	− 3 51.4	1.166	2.154	7.0	19.0	165 E	41	68
5 6	13 45.22	− 3 35.5	1.165	2.138	9.6	19.1	159 E	41	68
5 11	13 40.29	− 3 23.7	1.170	2.122	12.3	19.2	153 E	42	67
5 16	13 35.90	− 3 16.9	1.180	2.106	14.8	19.3	148 E	42	67
5 26	13 29.19	− 3 19.1	1.215	2.074	19.5	19.5	137 E	42	67
6 5	13 25.71	− 3 42.9	1.265	2.042	23.5	19.7	127 E	41	68

124136 2001 LT_2 *(continuation)*

21/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
	h m	° ′			°	m	°	°	°
6 15	13 25.67	− 4 27.2	1.327	2.009	26.6	19.8	118 E	40*	68
6 25	13 28.97	− 5 29.6	1.395	1.978	29.0	20.0	109 E	37*	69
7 5	13 35.34	− 6 46.9	1.467	1.946	30.8	20.1	102 E	33*	71
7 15	13 44.48	− 8 16.6	1.541	1.915	31.9	20.2	95 E	30*	72
7 25	13 56.12	− 9 55.6	1.615	1.885	32.6	20.3	88 E	26*	74*
8 4	14 9.99	−11 41.4	1.687	1.856	32.8	20.4	83 E	23*	73*
8 14	14 25.92	−13 31.2	1.757	1.827	32.8	20.4	77 E	21*	70*
8 24	14 43.76	−15 22.6	1.825	1.800	32.4	20.5	72 E	18*	66*
9 3	15 3.41	−17 12.8	1.889	1.775	31.8	20.5	68 E	17*	62*
9 13	15 24.79	−18 59.1	1.950	1.751	31.0	20.5	64 E	15*	57*
9 23	15 47.83	−20 38.6	2.008	1.729	30.0	20.5	59 E	14*	53*
10 3	16 12.43	−22 8.2	2.063	1.708	28.9	20.5	56 E	13*	49*
10 13	16 38.53	−23 25.0	2.115	1.691	27.6	20.5	52 E	13*	46*
10 23	17 5.95	−24 26.1	2.164	1.675	26.3	20.5	48 E	12*	42*
11 2	17 34.53	−25 8.7	2.212	1.662	24.9	20.5	45 E	12*	38*
11 12	18 4.04	−25 30.7	2.258	1.652	23.4	20.5	41 E	12*	35*
11 22	18 34.20	−25 30.5	2.303	1.644	21.8	20.4	38 E	12*	31*
12 2	19 4.70	−25 7.1	2.347	1.640	20.2	20.4	35 E	12*	27*
12 12	19 35.27	−24 20.5	2.390	1.638	18.5	20.4	32 E	12*	23*
12 22	20 5.60	−23 11.7	2.432	1.640	16.8	20.4	29 E	11*	20*
1 1	20 35.46	−21 42.2	2.474	1.644	15.0	20.4	26 E	11*	16*
1 11	21 4.69	−19 54.4	2.516	1.651	13.2	20.4	23 E	10*	13*
1 21	21 33.15	−17 50.9	2.556	1.661	11.4	20.3	19 E	8*	10*

385247 2000 YD_{67}

21/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
1 16	14 13.73	−37 36.0	2.638	2.533	21.8	21.5	73 W	7	67*
1 26	14 25.16	−39 21.8	2.538	2.553	22.3	21.4	80 W	6	72*
2 5	14 34.79	−41 1.8	2.433	2.573	22.5	21.4	87 W	4	74*
2 15	14 42.19	−42 35.0	2.327	2.592	22.3	21.3	94 W	2	73
2 25	14 46.88	−43 59.5	2.221	2.610	21.8	21.2	102 W	1	72
3 7	14 48.41	−45 12.5	2.119	2.626	20.8	21.1	110 W	—	71
3 17	14 46.37	−46 9.8	2.023	2.642	19.4	20.9	118 W	—	70
3 27	14 40.64	−46 45.1	1.939	2.657	17.5	20.8	127 W	—	69
4 6	14 31.52	−46 52.2	1.869	2.671	15.4	20.6	135 W	—	69
4 16	14 19.85	−46 24.6	1.818	2.684	13.2	20.5	142 W	—	70
4 26	14 7.06	−45 19.8	1.789	2.696	11.4	20.4	148 E	—	71
5 1	14 0.76	−44 34.1	1.784	2.702	10.9	20.4	150 E	—	71
5 6	13 54.78	−43 40.6	1.785	2.707	10.7	20.4	150 E	1	72
5 11	13 49.29	−42 40.4	1.792	2.712	10.8	20.4	150 E	2	73
5 16	13 44.43	−41 35.0	1.806	2.717	11.4	20.5	148 E	3	74
5 21	13 40.31	−40 26.1	1.826	2.721	12.1	20.5	146 E	5	76
5 26	13 36.98	−39 15.3	1.852	2.726	13.1	20.6	142 E	6	77
5 31	13 34.47	−38 4.1	1.883	2.730	14.1	20.7	139 E	7	78
6 5	13 32.79	−36 53.9	1.920	2.734	15.2	20.7	135 E	8	79
6 10	13 31.91	−35 45.8	1.962	2.737	16.3	20.8	131 E	9*	80
6 15	13 31.81	−34 40.8	2.009	2.740	17.3	20.9	127 E	10*	81
6 20	13 32.44	−33 39.6	2.059	2.743	18.2	21.0	123 E	11*	82
6 25	13 33.76	−32 42.8	2.113	2.746	19.0	21.1	118 E	11*	83
6 30	13 35.72	−31 50.6	2.170	2.749	19.7	21.2	114 E	11*	84
7 5	13 38.26	−31 3.1	2.230	2.751	20.3	21.2	110 E	11*	85
7 10	13 41.34	−30 20.4	2.292	2.753	20.8	21.3	106 E	10*	86
7 15	13 44.92	−29 42.4	2.356	2.755	21.1	21.4	102 E	10*	86
7 20	13 48.95	−29 9.0	2.421	2.756	21.4	21.5	98 E	9*	87

141525 2002 FV_5

21/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
1 16	14 16.06	+26 55.9	1.449	1.808	32.9	21.5	94 W	72	32*
1 21	14 19.04	+28 0.3	1.405	1.822	32.4	21.4	98 W	73	33*
1 26	14 21.10	+29 13.7	1.362	1.834	31.7	21.3	102 W	74	33*
1 31	14 22.13	+30 36.0	1.319	1.844	31.0	21.3	105 W	76	33*
2 5	14 21.98	+32 7.2	1.277	1.853	30.1	21.2	109 W	77	32*
2 10	14 20.46	+33 46.6	1.236	1.861	29.2	21.1	113 W	79	30
2 15	14 17.37	+35 33.1	1.198	1.866	28.2	21.0	117 W	81	28
2 20	14 12.51	+37 24.7	1.163	1.871	27.1	20.9	121 W	82	27
2 25	14 5.67	+39 18.7	1.132	1.873	26.0	20.8	124 W	84	25
3 2	13 56.67	+41 11.7	1.105	1.875	25.1	20.7	127 W	86	23
3 7	13 45.39	+42 59.2	1.083	1.874	24.3	20.7	129 W	88	21
3 12	13 31.82	+44 36.1	1.066	1.872	23.7	20.6	131 W	90	19
3 17	13 16.14	+45 56.8	1.056	1.869	23.5	20.6	131 W	89	18
3 22	12 58.78	+46 56.0	1.051	1.864	23.8	20.6	131 W	88	17
3 27	12 40.40	+47 30.2	1.053	1.858	24.3	20.6	130 W	87	16
4 1	12 21.80	+47 37.5	1.060	1.850	25.3	20.6	128 E	87	16
4 6	12 3.78	+47 18.2	1.074	1.840	26.5	20.7	125 E	88	17
4 11	11 47.08	+46 34.4	1.092	1.829	27.8	20.7	122 E	88	17
4 16	11 32.22	+45 29.7	1.116	1.816	29.2	20.8	118 E	90	19
4 21	11 19.48	+44 8.5	1.143	1.802	30.7	20.9	114 E	89	20
4 26	11 8.95	+42 34.9	1.173	1.786	32.0	21.0	110 E	88	21
5 1	11 0.54	+40 52.8	1.206	1.768	33.3	21.0	106 E	86	23
5 6	10 54.07	+39 5.0	1.241	1.749	34.4	21.1	102 E	84	25
5 11	10 49.36	+37 13.8	1.277	1.728	35.4	21.2	97 E	82*	27
5 16	10 46.21	+35 21.0	1.314	1.705	36.3	21.2	93 E	77*	29
5 21	10 44.41	+33 27.6	1.350	1.681	37.0	21.3	90 E	72*	31

141525 2002 FV_5 *(continuation)*

21/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
	h m	° ′			°	m	°	°	°
5 26	10 43.78	+31 34.4	1.386	1.654	37.6	21.3	86 E	67*	32
5 31	10 44.15	+29 41.8	1.421	1.626	38.1	21.3	82 E	61*	34
6 5	10 45.39	+27 49.9	1.453	1.596	38.5	21.4	78 E	56*	36
6 10	10 47.38	+25 58.6	1.484	1.564	38.8	21.4	75 E	51*	38*
6 15	10 50.03	+24 8.0	1.513	1.530	39.0	21.4	71 E	47*	40*
6 20	10 53.25	+22 17.6	1.538	1.494	39.1	21.4	68 E	42*	41*
6 25	10 56.98	+20 27.4	1.560	1.456	39.2	21.3	65 E	38*	41*
6 30	11 1.14	+18 36.9	1.578	1.415	39.2	21.3	62 E	34*	42*
7 5	11 5.70	+16 45.9	1.592	1.372	39.2	21.3	59 E	31*	42*
7 10	11 10.62	+14 53.8	1.602	1.327	39.2	21.2	56 E	27*	41*
7 15	11 15.87	+13 0.2	1.607	1.279	39.2	21.1	53 E	24*	40*
7 20	11 21.42	+11 4.7	1.606	1.228	39.2	21.0	50 E	21*	39*
7 25	11 27.24	+ 9 6.8	1.600	1.174	39.3	20.9	47 E	18*	38*
7 30	11 33.32	+ 7 6.0	1.588	1.118	39.5	20.8	44 E	15*	36*
8 4	11 39.63	+ 5 1.6	1.569	1.058	39.8	20.7	42 E	13*	35*
8 9	11 46.16	+ 2 52.9	1.544	0.995	40.2	20.5	39 E	10*	33*
8 14	11 52.89	+ 0 39.3	1.510	0.928	41.0	20.3	37 E	8*	31*
8 19	11 59.76	− 1 39.9	1.468	0.858	42.2	20.1	35 E	5*	29*
8 24	12 6.71	− 4 5.4	1.417	0.783	44.0	19.9	33 E	3*	27*
9 3	12 20.21	− 9 14.8	1.279	0.622	50.8	19.4	29 E	—	22*
9 13	12 29.90	−14 22.7	1.082	0.450	68.3	18.8	25 E	—	17*
9 23	12 21.04	−15 18.0	0.826	0.312	116.2	19.6	16 E	—	5*
9 24	12 18.12	−14 37.0	0.802	0.306	123.5	20.1	15 E	—	4*
9 25	12 14.85	−13 42.5	0.779	0.302	131.0	20.7	13 E	—	2*
9 26	12 11.31	−12 34.0	0.759	0.299	138.4	21.4	11 E	—	—
9 27	12 7.62	−11 12.0	0.741	0.300	145.3	22.4	10 W	—	—

159490 2000 TM_{29}

21/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
1 16	14 17.41	−20 34.7	2.689	2.646	21.2	21.5	77 W	24	67*
1 26	14 28.20	−21 57.9	2.528	2.619	22.0	21.4	84 W	23	75*
2 5	14 37.82	−23 17.0	2.366	2.591	22.4	21.2	92 W	22	84*
2 15	14 45.95	−24 31.7	2.204	2.562	22.3	21.0	100 W	20	89
2 25	14 52.21	−25 41.2	2.047	2.533	21.8	20.8	108 W	19	90
3 7	14 56.22	−26 44.5	1.896	2.502	20.8	20.6	117 W	18	89
3 17	14 57.51	−27 40.0	1.755	2.472	19.1	20.4	126 W	17	88
3 27	14 55.74	−28 24.8	1.628	2.440	16.7	20.1	135 W	17	88
4 6	14 50.73	−28 55.3	1.517	2.408	13.7	19.8	145 W	16	87
4 16	14 42.62	−29 7.1	1.426	2.376	10.1	19.5	155 W	16	87
4 21	14 37.60	−29 4.7	1.390	2.359	8.4	19.4	160 W	16	87
4 26	14 32.11	−28 56.6	1.359	2.343	6.8	19.2	164 W	16	87
5 1	14 26.31	−28 42.6	1.335	2.326	5.9	19.1	166 E	16	87
5 6	14 20.39	−28 23.1	1.317	2.309	6.0	19.1	166 E	17	88
5 11	14 14.55	−27 58.6	1.306	2.292	7.2	19.1	163 E	17	88
5 16	14 8.99	−27 30.0	1.301	2.275	9.0	19.2	159 E	17	88
5 21	14 3.89	−26 58.5	1.302	2.258	11.1	19.2	155 E	18	89
5 26	13 59.42	−26 25.3	1.308	2.241	13.3	19.3	150 E	19	90
5 31	13 55.70	−25 51.8	1.320	2.224	15.4	19.4	144 E	19	90
6 5	13 52.80	−25 18.9	1.337	2.207	17.5	19.5	139 E	20	89
6 10	13 50.78	−24 47.9	1.358	2.189	19.4	19.5	134 E	20	89
6 15	13 49.69	−24 19.5	1.382	2.172	21.2	19.6	129 E	21*	88
6 25	13 50.24	−23 33.4	1.440	2.137	24.3	19.8	120 E	20*	88
7 5	13 54.27	−23 3.4	1.507	2.103	26.8	19.9	111 E	19*	87
7 15	14 1.49	−22 49.9	1.579	2.068	28.5	20.0	104 E	18*	87
7 25	14 11.57	−22 51.7	1.654	2.034	29.8	20.1	96 E	16*	87
8 4	14 24.18	−23 6.2	1.729	2.000	30.5	20.2	90 E	14*	84*
8 14	14 39.08	−23 30.6	1.803	1.967	30.8	20.3	84 E	13*	78*
8 24	14 56.05	−24 1.9	1.875	1.935	30.7	20.3	78 E	12*	72*
9 3	15 14.91	−24 36.7	1.944	1.903	30.4	20.4	73 E	12*	66*
9 13	15 35.52	−25 11.9	2.009	1.872	29.8	20.4	68 E	11*	61*
9 23	15 57.76	−25 44.0	2.070	1.843	29.0	20.4	63 E	11*	57*
10 3	16 21.46	−26 10.0	2.127	1.815	28.0	20.4	58 E	11*	52*
10 13	16 46.51	−26 26.7	2.181	1.789	26.9	20.4	54 E	11*	48*
10 23	17 12.73	−26 31.2	2.230	1.764	25.6	20.3	50 E	11*	44*
11 2	17 39.90	−26 21.1	2.277	1.742	24.2	20.3	46 E	12*	40*
11 12	18 7.84	−25 54.2	2.320	1.722	22.8	20.3	42 E	12*	36*
11 22	18 36.28	−25 8.9	2.360	1.704	21.2	20.3	39 E	12*	31*
12 2	19 4.98	−24 4.4	2.398	1.689	19.6	20.2	35 E	13*	27*
12 12	19 33.72	−22 40.6	2.433	1.677	18.0	20.2	32 E	13*	23*
12 22	20 2.29	−20 58.1	2.467	1.668	16.2	20.1	28 E	13*	18*
1 1	20 30.51	−18 57.9	2.500	1.662	14.5	20.1	25 E	12*	14*
1 11	20 58.27	−16 41.7	2.531	1.659	12.7	20.1	22 E	12*	10*
1 21	21 25.49	−14 11.9	2.561	1.659	10.9	20.0	19 E	10*	7*

485116 2010 JE_{124}

21/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
1 16	14 19.04	−20 3.6	1.639	1.707	34.1	21.4	77 W	25	66*
1 21	14 31.75	−21 10.0	1.579	1.688	34.9	21.3	79 W	24	69*
1 26	14 44.72	−22 13.7	1.521	1.669	35.6	21.2	80 W	23	72*
1 31	14 57.94	−23 14.3	1.464	1.652	36.2	21.1	82 W	22	74*
2 5	15 11.41	−24 11.5	1.408	1.635	36.9	21.0	84 W	21	77*

485116 2010 JE_{124} *(continuation)*

2021	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
	h m	° ′			°	m	°	°	°
2 10	15 25.11	−25 4.8	1.354	1.618	37.5	20.9	86 W	20	79*
2 15	15 39.03	−25 53.7	1.302	1.603	38.0	20.8	88 W	19	81*
2 20	15 53.13	−26 37.7	1.251	1.588	38.5	20.7	89 W	18	83*
2 25	16 7.39	−27 16.4	1.202	1.574	39.0	20.6	91 W	18	85*
3 2	16 21.76	−27 49.5	1.154	1.560	39.4	20.5	93 W	17	87*
3 7	16 36.21	−28 16.6	1.108	1.548	39.7	20.4	95 W	17	88*
3 12	16 50.66	−28 37.4	1.064	1.537	40.0	20.3	97 W	16	87
3 17	17 5.03	−28 51.5	1.022	1.526	40.2	20.3	98 W	16	87
3 22	17 19.24	−28 58.8	0.981	1.517	40.3	20.2	100 W	16	87
3 27	17 33.22	−28 59.3	0.942	1.509	40.3	20.1	102 W	16	87
4 1	17 46.89	−28 53.0	0.905	1.502	40.2	20.0	104 W	16	87
4 6	18 0.13	−28 40.0	0.869	1.496	40.0	19.9	106 W	16*	87
4 11	18 12.85	−28 20.6	0.835	1.491	39.7	19.8	108 W	17*	88
4 16	18 24.93	−27 55.0	0.803	1.488	39.2	19.6	110 W	17*	88
4 21	18 36.28	−27 23.7	0.773	1.485	38.6	19.5	113 W	18*	89
4 26	18 46.81	−26 47.3	0.744	1.484	37.8	19.4	115 W	18*	89
5 1	18 56.43	−26 6.4	0.717	1.484	36.9	19.3	118 W	19*	90
5 6	19 5.04	−25 21.5	0.691	1.486	35.7	19.2	121 W	20*	89
5 16	19 18.84	−23 43.1	0.646	1.492	32.7	19.0	127 W	21	88
5 26	19 27.70	−21 58.1	0.609	1.503	28.8	18.8	134 W	23	86
6 5	19 31.42	−20 12.7	0.582	1.519	23.8	18.5	143 W	25	84
6 10	19 31.38	−19 21.8	0.572	1.529	20.9	18.4	147 W	26	83
6 15	19 30.19	−18 33.2	0.566	1.539	17.9	18.3	152 W	26	83
6 20	19 28.02	−17 47.5	0.563	1.551	14.6	18.2	157 W	27	82
6 25	19 25.08	−17 5.3	0.564	1.564	11.4	18.1	162 W	28	81
6 30	19 21.60	−16 27.2	0.570	1.577	8.2	18.0	167 W	29	80
7 5	19 17.81	−15 53.6	0.579	1.591	5.5	18.0	171 W	29	80
7 10	19 13.99	−15 24.8	0.593	1.607	4.3	18.0	173 E	30	79
7 15	19 10.41	−15 1.0	0.611	1.622	5.7	18.1	171 E	30	79
7 20	19 7.31	−14 41.9	0.633	1.639	8.2	18.4	167 E	30	79
7 25	19 4.85	−14 27.2	0.660	1.656	10.9	18.6	162 E	31	78
7 30	19 3.14	−14 16.4	0.691	1.674	13.6	18.8	157 E	31	78
8 4	19 2.26	−14 9.2	0.727	1.693	16.1	19.0	152 E	31	78
8 14	19 3.13	−14 2.4	0.809	1.731	20.4	19.4	143 E	31	78
8 24	19 7.42	−14 1.8	0.905	1.771	23.8	19.8	135 E	31	78
9 3	19 14.69	−14 2.5	1.013	1.813	26.2	20.2	127 E	31	78
9 13	19 24.49	−14 1.1	1.132	1.855	28.0	20.6	120 E	31	78
9 23	19 36.32	−13 54.5	1.261	1.899	29.0	20.9	113 E	31	78
10 3	19 49.72	−13 40.9	1.398	1.943	29.5	21.2	107 E	31	78
10 13	20 4.34	−13 19.1	1.542	1.987	29.6	21.4	101 E	32	77

162873 2001 FB_7

2021	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
1 16	14 19.34	− 8 23.7	1.020	1.294	48.6	21.4	80 W	37	60*
1 26	14 43.63	−13 24.6	0.953	1.288	49.4	21.3	83 W	32	68*
2 5	15 8.41	−18 40.6	0.889	1.284	50.0	21.1	86 W	26	75*
2 15	15 33.95	−24 11.8	0.829	1.281	50.4	21.0	89 W	21	82*
2 25	16 0.55	−29 57.2	0.774	1.280	50.6	20.9	92 W	15	85*
3 7	16 28.64	−35 53.8	0.725	1.280	50.6	20.7	95 W	9	80
3 17	16 58.65	−41 55.8	0.683	1.282	50.3	20.6	98 W	3	74
3 27	17 31.01	−47 54.4	0.648	1.285	49.8	20.5	101 W	—	68
4 1	17 48.25	−50 49.0	0.633	1.287	49.5	20.4	102 W	—	65
4 6	18 6.26	−53 38.8	0.620	1.290	49.1	20.3	103 W	—	62
4 11	18 25.03	−56 22.1	0.608	1.293	48.7	20.3	104 W	—	60
4 16	18 44.56	−58 57.7	0.598	1.296	48.3	20.3	105 W	—	57
4 21	19 4.80	−61 24.3	0.589	1.300	47.9	20.2	106 W	—	55
4 26	19 25.67	−63 41.0	0.582	1.303	47.5	20.2	107 W	—	52
5 1	19 47.01	−65 47.5	0.575	1.308	47.0	20.2	108 W	—	50
5 6	20 8.55	−67 43.8	0.569	1.312	46.5	20.1	109 W	—	48
5 8	20 17.13	−68 27.5	0.567	1.314	46.3	20.1	110 W	—	48
5 10	20 25.65	−69 9.7	0.565	1.316	46.1	20.1	110 W	—	47
5 12	20 34.08	−69 50.4	0.564	1.318	45.9	20.1	110 W	—	46
5 14	20 42.37	−70 29.7	0.562	1.320	45.7	20.1	111 W	—	46
5 16	20 50.51	−71 7.6	0.560	1.322	45.5	20.1	111 W	—	45
5 18	20 58.44	−71 44.1	0.559	1.324	45.3	20.1	112 W	—	44
5 20	21 6.14	−72 19.5	0.557	1.326	45.0	20.1	112 W	—	44
5 22	21 13.55	−72 53.7	0.556	1.328	44.8	20.1	112 W	—	43
5 24	21 20.63	−73 26.8	0.555	1.330	44.6	20.0	113 W	—	43
5 26	21 27.33	−73 59.0	0.553	1.332	44.3	20.0	113 W	—	42
5 28	21 33.60	−74 30.2	0.552	1.334	44.1	20.0	114 W	—	42
5 30	21 39.37	−75 0.7	0.551	1.336	43.8	20.0	114 W	—	41
6 1	21 44.59	−75 30.5	0.550	1.339	43.6	20.0	114 W	—	40
6 3	21 49.16	−75 59.6	0.549	1.341	43.3	20.0	115 W	—	40
6 5	21 53.02	−76 28.1	0.548	1.343	43.1	20.0	115 W	—	40
6 6	21 54.65	−76 42.2	0.547	1.344	42.9	20.0	115 W	—	39
6 7	21 56.08	−76 56.0	0.547	1.346	42.8	20.0	116 W	—	39
6 8	21 57.27	−77 9.7	0.547	1.347	42.7	20.0	116 W	—	39
6 9	21 58.23	−77 23.3	0.546	1.348	42.5	20.0	116 W	—	39
6 10	21 58.94	−77 36.6	0.546	1.349	42.4	20.0	116 W	—	38

162873 2001 FB_7 *(continuation)*

2021	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
	h m	° ′			°	m	°	°	°
6 11	21 59.38	−77 49.7	0.545	1.350	42.3	20.0	117 W	—	38
6 12	21 59.55	−78 2.7	0.545	1.351	42.1	20.0	117 W	—	38
6 13	21 59.43	−78 15.4	0.545	1.353	42.0	20.0	117 W	—	38
6 14	21 59.00	−78 27.9	0.544	1.354	41.9	20.0	117 W	—	38
6 15	21 58.26	−78 40.1	0.544	1.355	41.7	20.0	117 W	—	37
6 16	21 57.18	−78 52.0	0.544	1.356	41.6	20.0	118 W	—	37
6 17	21 55.76	−79 3.5	0.543	1.357	41.4	20.0	118 W	—	37
6 18	21 53.97	−79 14.7	0.543	1.359	41.3	20.0	118 W	—	37
6 19	21 51.82	−79 25.5	0.543	1.360	41.2	20.0	118 W	—	37
6 20	21 49.28	−79 35.8	0.543	1.361	41.0	20.0	118 W	—	36
6 21	21 46.34	−79 45.6	0.542	1.362	40.9	19.9	119 W	—	36
6 22	21 43.01	−79 54.8	0.542	1.364	40.7	19.9	119 W	—	36
6 23	21 39.27	−80 3.4	0.542	1.365	40.6	19.9	119 W	—	36
6 24	21 35.12	−80 11.4	0.542	1.366	40.4	19.9	119 W	—	36
6 25	21 30.57	−80 18.6	0.542	1.367	40.3	19.9	120 W	—	36
6 26	21 25.61	−80 25.1	0.542	1.369	40.2	19.9	120 W	—	36
6 27	21 20.26	−80 30.6	0.542	1.370	40.0	19.9	120 W	—	35
6 28	21 14.53	−80 35.2	0.542	1.371	39.9	19.9	120 W	—	35
6 29	21 8.45	−80 38.8	0.542	1.372	39.8	19.9	120 W	—	35
6 30	21 2.04	−80 41.3	0.542	1.373	39.6	19.9	121 W	—	35
7 1	20 55.35	−80 42.7	0.542	1.375	39.5	19.9	121 W	—	35
7 2	20 48.41	−80 42.8	0.542	1.376	39.3	19.9	121 W	—	35
7 3	20 41.26	−80 41.6	0.542	1.377	39.2	19.9	121 W	—	35
7 4	20 33.98	−80 39.1	0.542	1.378	39.1	19.9	121 W	—	35
7 5	20 26.60	−80 35.2	0.543	1.380	39.0	19.9	121 W	—	35
7 6	20 19.18	−80 29.9	0.543	1.381	38.8	19.9	122 W	—	36
7 7	20 11.79	−80 23.2	0.543	1.382	38.7	19.9	122 W	—	36
7 8	20 4.48	−80 15.0	0.544	1.384	38.6	19.9	122 W	—	36
7 9	19 57.30	−80 5.3	0.544	1.385	38.5	19.9	122 W	—	36
7 10	19 50.30	−79 54.2	0.545	1.386	38.3	19.9	122 W	—	36
7 11	19 43.53	−79 41.6	0.545	1.387	38.2	19.9	122 W	—	36
7 12	19 37.01	−79 27.7	0.546	1.389	38.1	19.9	123 W	—	37
7 13	19 30.78	−79 12.3	0.546	1.390	38.0	19.9	123 W	—	37
7 14	19 24.86	−78 55.7	0.547	1.391	37.9	19.9	123 E	—	37
7 15	19 19.27	−78 37.7	0.548	1.392	37.8	19.9	123 E	—	37
7 17	19 9.11	−77 58.1	0.550	1.395	37.6	19.9	123 E	—	38
7 19	19 0.30	−77 14.0	0.552	1.397	37.4	19.9	123 E	—	39
7 21	18 52.82	−76 25.8	0.554	1.400	37.3	20.0	123 E	—	40
7 23	18 46.58	−75 33.9	0.557	1.402	37.1	20.0	124 E	—	40
7 25	18 41.46	−74 38.7	0.560	1.405	37.0	20.0	124 E	—	41
7 26	18 39.29	−74 9.9	0.561	1.406	37.0	20.0	124 E	—	42
7 27	18 37.36	−73 40.5	0.563	1.407	36.9	20.0	124 E	—	42
7 28	18 35.66	−73 10.4	0.565	1.409	36.9	20.0	124 E	—	43
7 29	18 34.17	−72 39.7	0.566	1.410	36.9	20.0	124 E	—	43
7 30	18 32.88	−72 8.4	0.568	1.411	36.8	20.0	124 E	—	44
7 31	18 31.78	−71 36.6	0.570	1.412	36.8	20.0	124 E	—	44
8 1	18 30.86	−71 4.3	0.572	1.414	36.8	20.0	123 E	—	45
8 2	18 30.11	−70 31.4	0.575	1.415	36.8	20.0	123 E	—	45
8 3	18 29.51	−69 58.1	0.577	1.416	36.8	20.1	123 E	—	46
8 4	18 29.07	−69 24.4	0.579	1.417	36.8	20.1	123 E	—	47
8 6	18 28.59	−68 15.9	0.584	1.420	36.8	20.1	123 E	—	48
8 8	18 28.60	−67 6.1	0.590	1.422	36.9	20.1	123 E	—	49
8 10	18 29.04	−65 55.2	0.596	1.425	36.9	20.1	122 E	—	50
8 12	18 29.87	−64 43.4	0.602	1.427	37.0	20.2	122 E	—	51
8 14	18 31.04	−63 31.0	0.608	1.429	37.1	20.2	122 E	—	52
8 16	18 32.51	−62 18.1	0.616	1.432	37.2	20.2	121 E	—	54
8 18	18 34.24	−61 5.0	0.623	1.434	37.4	20.3	121 E	—	55
8 20	18 36.20	−59 51.7	0.631	1.436	37.5	20.3	120 E	—	56
8 22	18 38.36	−58 38.4	0.639	1.439	37.7	20.3	120 E	—	57
8 24	18 40.70	−57 25.2	0.648	1.441	37.9	20.4	119 E	—	59
8 29	18 47.19	−54 23.8	0.672	1.447	38.4	20.5	117 E	—	62
9 3	18 54.43	−51 25.4	0.698	1.452	38.9	20.6	115 E	—	65
9 8	19 2.25	−48 31.4	0.727	1.458	39.4	20.7	113 E	—	67
9 13	19 10.54	−45 42.7	0.759	1.463	39.9	20.8	111 E	—	70
9 18	19 19.17	−42 59.7	0.792	1.468	40.3	20.9	109 E	2	73
9 23	19 28.05	−40 22.7	0.828	1.473	40.7	21.0	107 E	5	76
9 28	19 37.14	−37 51.6	0.865	1.478	41.1	21.1	104 E	7	78
10 3	19 46.39	−35 26.3	0.905	1.482	41.3	21.3	102 E	10	81
10 8	19 55.78	−33 6.5	0.946	1.486	41.5	21.4	100 E	12	83
10 13	20 5.28	−30 51.7	0.988	1.490	41.6	21.5	97 E	14	85

453729 2011 BO_{24}

2021	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
1 16	14 39.37	+10 52.9	1.082	1.369	45.5	21.4	83 W	56	43*
1 26	15 13.39	+10 13.8	1.000	1.328	47.5	21.2	84 W	55	45*
2 5	15 48.81	+ 9 36.1	0.925	1.286	49.8	21.0	84 W	55*	48*
2 15	16 25.62	+ 8 57.1	0.859	1.243	52.2	20.9	84 W	54*	49*
2 25	17 3.82	+ 8 12.4	0.800	1.201	55.0	20.7	84 W	53*	51*
3 7	17 43.46	+ 7 16.8	0.749	1.161	57.9	20.6	82 W	51*	52*
3 17	18 24.62	+ 6 6.0	0.705	1.122	61.0	20.5	81 W	49*	54*

453729 2011 BO_{24} *(continuation)*

21/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
	h m	° ′			°	m	°	°	°
3 27	19 7.38	+ 4 36.0	0.668	1.087	64.2	20.4	79 W	45*	55*
4 6	19 51.91	+ 2 45.6	0.640	1.056	67.2	20.3	77 W	41*	57*
4 16	20 38.14	+ 0 38.0	0.621	1.031	69.9	20.3	75 W	36*	59*
4 21	21 1.79	− 0 30.3	0.614	1.020	71.0	20.3	74 W	34*	59*
4 26	21 25.72	− 1 39.7	0.611	1.012	71.9	20.3	73 W	31*	60*
5 1	21 49.84	− 2 48.8	0.610	1.005	72.6	20.3	72 W	28*	61*
5 6	22 14.01	− 3 55.7	0.611	1.000	73.0	20.3	72 W	25*	61*
5 11	22 38.09	− 4 59.2	0.615	0.998	73.3	20.3	71 W	23*	62*
5 16	23 1.93	− 5 57.9	0.621	0.997	73.2	20.3	71 W	21*	62*
5 21	23 25.37	− 6 51.0	0.630	0.998	72.9	20.3	71 W	18*	63*
5 26	23 48.29	− 7 37.8	0.640	1.002	72.4	20.4	71 W	17*	63*
6 5	0 32.13	− 8 52.0	0.666	1.015	70.9	20.4	71 W	14*	64*
6 15	1 12.74	− 9 43.6	0.694	1.035	68.7	20.5	72 W	13*	65*
6 25	1 49.77	−10 18.9	0.724	1.061	66.3	20.6	73 W	13*	66*
7 5	2 23.24	−10 44.8	0.751	1.093	63.8	20.6	75 W	14*	68*
7 15	2 53.19	−11 8.6	0.773	1.129	61.3	20.7	77 W	16*	69*
7 25	3 19.71	−11 35.4	0.789	1.168	58.8	20.7	80 W	19*	71*
8 4	3 42.91	−12 9.4	0.798	1.209	56.4	20.8	83 W	23*	73*
8 14	4 2.71	−12 53.6	0.798	1.251	53.9	20.8	86 W	26*	75*
8 24	4 18.93	−13 49.0	0.791	1.293	51.4	20.8	91 W	28*	77*
9 3	4 31.28	−14 55.7	0.777	1.335	48.7	20.7	96 W	29*	79
9 13	4 39.19	−16 12.2	0.756	1.376	45.7	20.6	102 W	29*	80
9 23	4 42.00	−17 33.3	0.731	1.416	42.2	20.5	108 W	27	82
10 3	4 38.97	−18 51.0	0.705	1.455	38.2	20.4	116 W	26	83
10 8	4 35.05	−19 24.4	0.693	1.474	35.9	20.3	120 W	26	83
10 13	4 29.46	−19 51.2	0.682	1.492	33.6	20.2	124 W	25	84
10 18	4 22.28	−20 8.6	0.673	1.510	31.1	20.2	128 W	25	84
10 23	4 13.62	−20 14.0	0.667	1.527	28.7	20.1	133 W	25	84
10 28	4 3.70	−20 4.8	0.663	1.544	26.3	20.0	136 W	25	84
11 2	3 52.82	−19 39.1	0.664	1.560	24.2	20.0	140 W	25	84
11 7	3 41.40	−18 55.6	0.669	1.576	22.5	20.0	143 W	26	83
11 12	3 29.91	−17 54.0	0.679	1.591	21.4	20.0	144 W	27	82
11 17	3 18.82	−16 35.8	0.694	1.605	21.0	20.1	144 E	28	81
11 22	3 8.52	−15 3.4	0.715	1.619	21.3	20.2	143 E	30	79
11 27	2 59.32	−13 19.8	0.741	1.632	22.2	20.3	141 E	32	77
12 2	2 51.42	−11 28.2	0.772	1.645	23.4	20.4	138 E	34	75
12 7	2 44.94	− 9 31.5	0.807	1.657	24.9	20.6	135 E	35	74
12 12	2 39.93	− 7 32.4	0.847	1.669	26.4	20.7	131 E	37	72
12 17	2 36.34	− 5 33.2	0.891	1.679	27.9	20.9	127 E	39	70
12 22	2 34.10	− 3 35.3	0.939	1.690	29.2	21.1	123 E	41	68
12 27	2 33.10	− 1 39.9	0.989	1.699	30.4	21.2	119 E	43	66
1 1	2 33.25	+ 0 12.3	1.042	1.708	31.5	21.4	115 E	45	64

200765 2001 XW_3

21/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
1 16	14 41.57	+ 2 19.9	2.793	2.780	20.3	21.5	79 W	47	49*
1 26	14 50.86	+ 1 59.6	2.640	2.761	20.9	21.3	86 W	47	55*
2 5	14 58.76	+ 1 49.7	2.486	2.741	21.0	21.2	94 W	47	60*
2 15	15 4.98	+ 1 50.1	2.333	2.720	20.8	21.0	102 W	47	62*
2 25	15 9.17	+ 2 0.1	2.183	2.699	20.0	20.9	111 W	47	62
3 7	15 11.01	+ 2 18.7	2.041	2.676	18.8	20.6	120 W	47	62
3 17	15 10.14	+ 2 43.7	1.911	2.653	16.9	20.4	129 W	48	61
3 27	15 6.34	+ 3 11.9	1.795	2.629	14.5	20.2	139 W	48	61
4 6	14 59.61	+ 3 38.6	1.699	2.604	11.6	19.9	148 W	49	60
4 11	14 55.20	+ 3 49.7	1.659	2.591	10.2	19.8	153 W	49	60
4 16	14 50.19	+ 3 58.2	1.625	2.578	8.8	19.7	157 W	49	60
4 21	14 44.68	+ 4 3.4	1.598	2.565	7.7	19.6	160 W	49	60
4 26	14 38.80	+ 4 4.4	1.578	2.552	7.2	19.6	161 W	49	60
5 6	14 26.48	+ 3 52.2	1.558	2.525	8.3	19.6	159 E	49	60
5 16	14 14.48	+ 3 18.5	1.565	2.497	11.4	19.7	151 E	48	61
5 26	14 4.00	+ 2 23.2	1.597	2.468	14.9	19.8	141 E	47	62
6 5	13 55.90	+ 1 8.6	1.649	2.439	18.3	20.0	131 E	46	63
6 15	13 50.64	− 0 21.8	1.718	2.409	21.1	20.1	121 E	45*	64
6 25	13 48.39	− 2 4.5	1.799	2.378	23.3	20.3	112 E	42*	66
7 5	13 49.03	− 3 56.4	1.888	2.347	24.9	20.4	104 E	37*	68
7 15	13 52.35	− 5 54.9	1.982	2.316	25.9	20.5	96 E	33*	70
7 25	13 58.10	− 7 58.1	2.076	2.283	26.4	20.6	88 E	28*	72*
8 4	14 6.03	−10 4.4	2.169	2.251	26.5	20.6	81 E	24*	71*
8 14	14 15.94	−12 12.8	2.259	2.218	26.1	20.7	75 E	20*	67*
8 24	14 27.67	−14 21.9	2.344	2.185	25.5	20.7	68 E	17*	62*
9 3	14 41.07	−16 30.8	2.422	2.152	24.6	20.7	63 E	15*	56*
9 13	14 56.09	−18 38.4	2.493	2.119	23.4	20.7	57 E	12*	51*
9 23	15 12.67	−20 43.3	2.557	2.086	22.1	20.7	52 E	10*	46*
10 3	15 30.78	−22 44.3	2.612	2.053	20.7	20.7	46 E	8*	40*
10 13	15 50.44	−24 39.9	2.658	2.020	19.1	20.6	41 E	6*	35*
10 23	16 11.62	−26 28.2	2.695	1.987	17.4	20.6	37 E	4*	31*
11 2	16 34.34	−28 7.4	2.723	1.955	15.7	20.5	32 E	3*	26*
11 12	16 58.60	−29 35.5	2.743	1.924	13.9	20.4	28 E	1*	22*
11 22	17 24.35	−30 50.0	2.754	1.894	12.2	20.3	24 E	—	18*
12 2	17 51.51	−31 48.8	2.758	1.865	10.5	20.2	20 E	—	14*

200765 2001 XW_3 *(continuation)*

21/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
	h m	° ′			°	m	°	°	°
12 12	18 19.97	−32 29.4	2.755	1.836	9.0	20.1	17 E	—	11*
12 22	18 49.53	−32 49.9	2.746	1.810	7.7	20.0	14 E	—	8*
1 1	19 19.96	−32 48.5	2.732	1.785	6.9	20.0	13 E	—	6*
1 11	19 50.98	−32 24.0	2.713	1.761	6.5	19.9	12 E	—	4*
1 21	20 22.28	−31 35.9	2.691	1.740	6.7	19.9	12 E	—	2*

204232 2004 DG_2

21/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
1 16	14 41.86	−25 55.3	1.297	1.334	43.9	21.3	70 W	19	62*
1 21	15 0.50	−28 10.0	1.229	1.293	45.9	21.1	70 W	17*	64*
1 26	15 21.25	−30 26.2	1.164	1.250	48.0	21.0	71 W	15*	64*
1 31	15 44.57	−32 41.0	1.104	1.206	50.2	20.9	70 W	12*	64*
2 5	16 10.93	−34 49.9	1.049	1.161	52.7	20.8	69 W	10*	63*
2 10	16 40.77	−36 46.1	0.999	1.114	55.4	20.6	68 W	8*	62*
2 15	17 14.36	−38 20.1	0.957	1.065	58.2	20.5	66 W	5*	59*
2 20	17 51.62	−39 20.6	0.922	1.015	61.1	20.4	64 W	3*	56*
2 25	18 31.92	−39 35.4	0.897	0.965	64.1	20.4	61 W	1*	53*
2 27	18 48.61	−39 26.1	0.890	0.944	65.3	20.3	60 W	1*	52*
3 1	19 5.49	−39 7.4	0.885	0.923	66.4	20.3	59 W	—	50*
3 3	19 22.44	−38 39.0	0.881	0.902	67.5	20.3	57 W	—	49*
3 5	19 39.34	−38 0.8	0.879	0.881	68.6	20.3	56 W	—	47*
3 7	19 56.08	−37 12.9	0.879	0.860	69.6	20.2	54 W	—	46*
3 9	20 12.55	−36 15.7	0.881	0.839	70.5	20.2	53 W	—	44*
3 11	20 28.68	−35 9.4	0.885	0.818	71.2	20.2	51 W	—	43*
3 13	20 44.39	−33 54.8	0.890	0.797	71.9	20.2	50 W	—	41*
3 15	20 59.63	−32 32.5	0.898	0.777	72.5	20.2	48 W	—	40*
3 17	21 14.36	−31 3.3	0.907	0.756	72.8	20.1	47 W	—	38*
3 19	21 28.57	−29 27.9	0.918	0.736	73.1	20.1	45 W	—	37*
3 21	21 42.25	−27 47.1	0.932	0.716	73.1	20.1	43 W	—	35*
3 23	21 55.43	−26 1.6	0.946	0.696	72.9	20.0	42 W	—	34*
3 25	22 8.12	−24 12.3	0.963	0.677	72.5	20.0	40 W	—	33*
3 27	22 20.35	−22 19.7	0.982	0.659	71.9	20.0	39 W	—	31*
3 29	22 32.16	−20 24.5	1.002	0.641	71.0	19.9	37 W	—	30*
3 31	22 43.59	−18 27.2	1.023	0.625	69.9	19.9	36 W	—	29*
4 2	22 54.69	−16 28.3	1.046	0.609	68.5	19.8	35 W	—	28*
4 4	23 5.50	−14 28.3	1.070	0.595	66.9	19.8	33 W	—	26*
4 6	23 16.05	−12 27.5	1.096	0.582	65.0	19.7	32 W	—	25*
4 11	23 41.60	− 7 25.2	1.164	0.558	59.4	19.6	29 W	—	22*
4 16	0 6.35	− 2 27.0	1.236	0.546	52.6	19.5	26 W	1*	20*
4 21	0 30.69	+ 2 20.8	1.309	0.547	45.5	19.4	23 W	2*	17*
4 26	0 54.80	+ 6 52.2	1.382	0.563	38.7	19.4	20 W	3*	14*
5 1	1 18.74	+11 2.4	1.453	0.590	32.6	19.4	18 W	3*	12*
5 6	1 42.47	+14 48.4	1.521	0.626	27.7	19.5	17 W	4*	10*
5 16	2 29.08	+21 4.1	1.649	0.718	20.9	19.8	15 W	5*	6*
5 26	3 14.11	+25 43.0	1.768	0.821	17.2	20.1	14 W	6*	3*
6 5	3 57.18	+28 58.4	1.878	0.925	15.2	20.4	14 W	7*	2*
6 10	4 17.87	+30 9.5	1.929	0.977	14.7	20.6	14 W	7*	1*
6 15	4 37.96	+31 5.3	1.979	1.028	14.3	20.8	15 W	8*	1*
6 20	4 57.42	+31 47.5	2.026	1.077	14.2	20.9	15 W	8*	1*
6 25	5 16.23	+32 17.5	2.070	1.125	14.1	21.0	16 W	9*	1*
6 30	5 34.39	+32 36.9	2.111	1.172	14.2	21.2	16 W	10*	1*
7 5	5 51.89	+32 46.8	2.149	1.217	14.4	21.3	17 W	11*	2*
7 10	6 8.76	+32 48.5	2.184	1.261	14.7	21.4	18 W	12*	2*

129737 1999 AA_9

21/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
1 16	14 45.12	−11 34.8	2.409	2.328	23.9	21.5	73 W	33*	57*
1 26	14 57.06	−12 16.6	2.305	2.353	24.4	21.4	81 W	33	65*
2 5	15 7.39	−12 47.8	2.196	2.378	24.5	21.3	88 W	32	72*
2 15	15 15.78	−13 8.1	2.085	2.401	24.1	21.2	96 W	32	77*
2 25	15 21.90	−13 17.5	1.975	2.424	23.3	21.1	105 W	32	77
3 7	15 25.40	−13 16.1	1.869	2.445	21.8	21.0	114 W	32	77
3 17	15 25.98	−13 3.9	1.771	2.466	19.6	20.8	124 W	32	77
3 27	15 23.45	−12 41.5	1.685	2.485	16.7	20.6	134 W	32	77
4 6	15 17.84	−12 10.1	1.615	2.504	13.1	20.4	145 W	33	76
4 16	15 9.49	−11 31.7	1.567	2.522	8.9	20.2	157 W	33	76
4 21	15 4.52	−11 10.9	1.552	2.530	6.7	20.1	163 W	34	75
4 26	14 59.19	−10 49.7	1.544	2.538	4.5	20.0	169 W	34	75
5 1	14 53.64	−10 28.9	1.543	2.546	2.7	19.9	173 W	35	74
5 6	14 48.02	−10 8.9	1.548	2.553	2.5	19.9	174 E	35	74
5 11	14 42.49	− 9 50.4	1.561	2.561	4.2	20.0	169 E	35	74
5 16	14 37.20	− 9 34.0	1.581	2.568	6.3	20.1	164 E	35	74
5 26	14 27.88	− 9 9.7	1.640	2.581	10.4	20.4	152 E	36	73
6 5	14 20.80	− 8 58.6	1.722	2.593	14.1	20.7	141 E	36	73
6 15	14 16.37	− 9 1.7	1.823	2.604	17.1	20.9	131 E	36	73
6 25	14 14.69	− 9 18.6	1.939	2.614	19.4	21.1	121 E	35*	73
7 5	14 15.60	− 9 47.6	2.066	2.623	21.1	21.3	112 E	33*	74
7 15	14 18.88	−10 26.9	2.201	2.630	22.1	21.5	103 E	31*	74