20/21	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
	h m	° ′			°	m	°	°	°
238453 2004 QF									
12 27	0 27.32	−37 35.3	1.360	1.484	40.2	20.4	77 E	7	70*
1 1	0 38.09	−37 7.0	1.397	1.484	39.8	20.5	75 E	8	69*
1 6	0 49.17	−36 32.7	1.431	1.485	39.4	20.5	73 E	8	67*
1 11	1 0.54	−35 52.6	1.463	1.486	38.9	20.5	72 E	9	66*
1 16	1 12.19	−35 7.2	1.493	1.488	38.5	20.6	70 E	10	64*
1 21	1 24.10	−34 16.8	1.521	1.490	38.1	20.6	69 E	11*	63*
1 26	1 36.26	−33 21.8	1.546	1.492	37.8	20.6	68 E	12*	62*
1 31	1 48.64	−32 22.4	1.569	1.495	37.4	20.7	67 E	12*	61*
2 5	2 1.23	−31 18.9	1.591	1.499	37.1	20.7	66 E	13*	60*
2 10	2 14.04	−30 11.4	1.611	1.503	36.7	20.7	66 E	14*	60*
2 15	2 27.05	−29 0.2	1.630	1.507	36.4	20.7	65 E	14*	59*
2 20	2 40.26	−27 45.7	1.648	1.512	36.1	20.8	64 E	15*	58*
2 25	2 53.64	−26 28.2	1.665	1.517	35.9	20.8	64 E	15*	58*
3 2	3 7.20	−25 8.1	1.682	1.523	35.6	20.8	63 E	16*	57*
3 7	3 20.91	−23 45.6	1.698	1.529	35.3	20.8	63 E	16*	57*
3 12	3 34.77	−22 21.2	1.715	1.535	35.1	20.8	63 E	16*	56*
3 17	3 48.77	−20 55.4	1.732	1.542	34.8	20.9	62 E	16*	56*
3 22	4 2.90	−19 28.7	1.750	1.549	34.5	20.9	62 E	16*	55*
3 27	4 17.12	−18 1.6	1.769	1.556	34.2	20.9	61 E	16*	55*
4 1	4 31.43	−16 34.6	1.789	1.564	33.8	20.9	61 E	16*	54*
4 6	4 45.80	−15 8.4	1.810	1.571	33.5	21.0	60 E	16*	54*
4 11	5 0.23	−13 43.4	1.833	1.579	33.1	21.0	59 E	15*	53*
4 16	5 14.68	−12 20.2	1.858	1.588	32.7	21.0	59 E	15*	52*
4 21	5 29.14	−10 59.5	1.885	1.596	32.2	21.1	58 E	14*	52*
4 26	5 43.58	− 9 41.6	1.913	1.605	31.7	21.1	57 E	13*	51*
5 1	5 57.98	− 8 27.1	1.944	1.614	31.2	21.1	56 E	12*	50*
5 6	6 12.33	− 7 16.3	1.976	1.623	30.6	21.1	55 E	11*	49*
5 11	6 26.60	− 6 9.5	2.010	1.632	30.0	21.2	54 E	10*	48*
5 16	6 40.77	− 5 7.1	2.046	1.642	29.3	21.2	53 E	8*	47*
5 21	6 54.83	− 4 9.2	2.083	1.651	28.6	21.2	51 E	7*	45*
5 26	7 8.76	− 3 16.1	2.122	1.661	27.8	21.3	50 E	6*	44*
5 31	7 22.54	− 2 27.6	2.161	1.670	27.0	21.3	48 E	4*	42*
6 5	7 36.18	− 1 43.9	2.202	1.680	26.1	21.3	47 E	3*	41*
6 10	7 49.65	− 1 4.9	2.244	1.689	25.2	21.4	45 E	2*	39*
6 15	8 2.96	− 0 30.6	2.286	1.699	24.3	21.4	43 E	—	37*
6 20	8 16.09	− 0 0.7	2.328	1.709	23.3	21.4	42 E	—	36*
6 25	8 29.04	+ 0 24.8	2.370	1.718	22.3	21.4	40 E	—	34*
6 30	8 41.81	+ 0 46.2	2.412	1.728	21.2	21.4	38 E	—	32*
7 5	8 54.40	+ 1 3.7	2.454	1.738	20.1	21.5	36 E	—	30*
7 10	9 6.83	+ 1 17.5	2.495	1.747	19.0	21.5	34 E	—	28*
7 15	9 19.08	+ 1 27.8	2.535	1.757	17.8	21.5	32 E	—	25*
7 20	9 31.16	+ 1 34.9	2.573	1.766	16.7	21.5	30 E	—	23*
7 25	9 43.09	+ 1 39.0	2.611	1.776	15.4	21.5	28 E	—	21*
7 30	9 54.85	+ 1 40.4	2.646	1.785	14.2	21.5	26 E	—	19*
8 4	10 6.48	+ 1 39.3	2.680	1.794	12.9	21.5	23 E	—	17*
8 9	10 17.97	+ 1 36.0	2.712	1.803	11.7	21.5	21 E	—	14*
8 14	10 29.33	+ 1 30.6	2.741	1.812	10.4	21.4	19 E	—	12*
8 19	10 40.56	+ 1 23.5	2.768	1.821	9.1	21.4	16 E	—	10*
8 24	10 51.69	+ 1 14.8	2.793	1.829	7.8	21.4	14 E	—	7*
8 29	11 2.71	+ 1 4.9	2.815	1.838	6.4	21.4	12 E	—	5*
9 3	11 13.65	+ 0 53.9	2.834	1.846	5.1	21.3	9 E	—	3*
9 8	11 24.50	+ 0 42.0	2.850	1.854	3.8	21.3	7 E	—	—
9 13	11 35.28	+ 0 29.5	2.864	1.862	2.4	21.2	4 E	—	—
9 18	11 45.99	+ 0 16.6	2.874	1.870	1.1	21.1	2 E	—	—
9 23	11 56.65	+ 0 3.5	2.881	1.877	0.4	21.1	1 W	—	—
9 28	12 7.26	− 0 9.5	2.885	1.885	1.7	21.2	3 W	—	—
10 3	12 17.84	− 0 22.3	2.885	1.892	3.0	21.3	6 W	—	—
10 8	12 28.38	− 0 34.6	2.882	1.899	4.3	21.4	8 W	2*	—
10 13	12 38.90	− 0 46.1	2.877	1.906	5.6	21.4	11 W	5*	—
140158 2001 SX_{169}									
12 27	0 27.52	− 0 58.3	0.880	1.326	47.9	20.5	91 E	44	59*
1 6	0 37.46	+ 0 32.6	0.903	1.255	51.1	20.6	83 E	46	53*
1 16	0 50.65	+ 2 22.7	0.915	1.181	54.2	20.5	77 E	47*	47*
1 26	1 6.67	+ 4 29.0	0.912	1.105	57.5	20.5	71 E	48*	42*
2 5	1 25.17	+ 6 48.5	0.892	1.028	61.3	20.4	66 E	48*	37*
2 15	1 45.90	+ 9 18.8	0.855	0.952	66.0	20.3	62 E	47*	34*
2 25	2 8.49	+11 56.4	0.800	0.880	72.0	20.2	58 E	45*	30*
3 2	2 20.28	+13 16.7	0.765	0.846	75.7	20.1	56 E	44*	29*
3 7	2 32.23	+14 37.3	0.726	0.816	79.9	20.1	54 E	43*	28*
3 12	2 44.18	+15 57.6	0.683	0.788	84.6	20.0	52 E	42*	26*
3 17	2 55.88	+17 17.1	0.637	0.765	90.0	20.0	50 E	40*	25*
3 22	3 7.00	+18 35.2	0.587	0.747	95.9	20.0	48 E	39*	23*
3 27	3 17.10	+19 51.5	0.535	0.734	102.6	20.1	46 E	37*	22*
4 1	3 25.65	+21 6.0	0.482	0.727	109.8	20.3	43 E	34*	20*
4 6	3 32.05	+22 18.7	0.429	0.727	117.6	20.5	40 E	32*	18*
4 11	3 35.58	+23 29.9	0.377	0.733	125.9	20.9	36 E	28*	15*

20/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
	h m	° ′			°	m	°	°	°
141052 2001 XR_1									
12 27	0 28.34	+25 52.5	1.458	1.908	30.4	20.9	101 E	71	35*
1 6	0 40.52	+24 49.2	1.589	1.920	30.7	21.1	94 E	70	33*
1 16	0 54.25	+24 12.2	1.720	1.927	30.6	21.3	86 E	69*	31*
1 26	1 9.25	+23 56.5	1.847	1.930	30.1	21.5	80 E	67*	28*
2 5	1 25.29	+23 57.1	1.969	1.929	29.3	21.6	73 E	64*	25*
421450 2014 MF_{55}									
12 27	0 28.59	+ 3 49.9	1.280	1.650	36.5	20.4	93 E	49	55*
1 6	0 50.46	+ 5 34.7	1.396	1.682	35.8	20.6	88 E	51	51*
1 16	1 12.46	+ 7 21.8	1.516	1.715	34.8	20.8	84 E	52	47*
1 26	1 34.56	+ 9 8.7	1.641	1.749	33.6	21.0	79 E	54*	43*
2 5	1 56.73	+10 53.1	1.768	1.785	32.2	21.2	75 E	54*	40*
2 15	2 18.97	+12 32.9	1.896	1.821	30.7	21.3	70 E	54*	37*
2 25	2 41.27	+14 6.6	2.026	1.858	29.1	21.5	66 E	52*	35*
6386 Keithnoll									
12 27	0 28.62	− 8 24.3	1.298	1.599	37.9	15.8	88 E	37	65*
1 6	0 49.53	− 5 14.1	1.383	1.609	37.4	15.9	84 E	40	59*
1 16	1 11.15	− 2 3.3	1.473	1.622	36.7	16.1	80 E	43	54*
1 26	1 33.39	+ 1 4.7	1.566	1.639	35.7	16.2	76 E	46*	49*
2 5	1 56.14	+ 4 6.7	1.662	1.658	34.6	16.3	73 E	48*	45*
2 15	2 19.37	+ 7 0.2	1.762	1.680	33.2	16.4	69 E	48*	41*
2 25	2 43.03	+ 9 42.7	1.864	1.704	31.8	16.6	65 E	48*	38*
3 7	3 7.06	+12 12.1	1.968	1.731	30.3	16.7	62 E	46*	35*
3 17	3 31.44	+14 26.9	2.074	1.759	28.6	16.8	58 E	44*	33*
3 27	3 56.10	+16 25.9	2.180	1.790	26.9	16.9	54 E	41*	31*
4 6	4 20.94	+18 8.1	2.287	1.821	25.1	17.0	50 E	37*	29*
4 16	4 45.91	+19 33.0	2.393	1.854	23.2	17.0	47 E	34*	27*
4 26	5 10.90	+20 40.5	2.497	1.888	21.3	17.1	43 E	29*	26*
5 6	5 35.80	+21 30.6	2.598	1.922	19.3	17.2	39 E	25*	24*
5 16	6 0.51	+22 3.8	2.697	1.957	17.3	17.2	35 E	20*	22*
5 26	6 24.93	+22 20.9	2.791	1.993	15.2	17.3	31 E	16*	20*
6 5	6 48.95	+22 22.7	2.880	2.029	13.1	17.3	27 E	12*	17*
6 15	7 12.51	+22 10.4	2.962	2.065	11.0	17.3	23 E	8*	14*
6 25	7 35.52	+21 45.2	3.038	2.101	8.9	17.3	19 E	5*	11*
7 5	7 57.94	+21 8.4	3.106	2.137	6.8	17.3	14 E	2*	7*
7 15	8 19.74	+20 21.4	3.166	2.172	4.7	17.3	10 E	—	3*
7 25	8 40.90	+19 25.7	3.216	2.208	2.6	17.2	6 E	—	—
8 4	9 1.40	+18 22.5	3.257	2.243	0.7	17.1	2 E	—	—
8 14	9 21.26	+17 13.3	3.286	2.277	1.8	17.3	4 W	—	—
8 24	9 40.47	+15 59.4	3.305	2.311	3.9	17.5	9 W	3*	—
9 3	9 59.04	+14 42.1	3.312	2.345	5.9	17.6	14 W	7*	2*
9 13	10 16.99	+13 22.7	3.306	2.377	7.9	17.7	19 W	12*	5*
9 23	10 34.31	+12 2.6	3.288	2.410	9.9	17.8	24 W	17*	8*
10 3	10 51.01	+10 42.9	3.258	2.441	11.8	17.9	30 W	23*	11*
10 13	11 7.08	+ 9 25.0	3.214	2.471	13.6	18.0	36 W	28*	14*
10 23	11 22.47	+ 8 10.1	3.158	2.501	15.3	18.0	41 W	33*	18*
11 2	11 37.16	+ 6 59.6	3.090	2.530	16.8	18.1	48 W	38*	22*
11 12	11 51.07	+ 5 54.8	3.011	2.558	18.3	18.1	54 W	42*	26*
11 22	12 4.12	+ 4 57.2	2.921	2.586	19.5	18.1	61 W	46*	32*
12 2	12 16.19	+ 4 8.2	2.821	2.612	20.4	18.1	68 W	48*	37*
12 12	12 27.13	+ 3 29.4	2.713	2.638	21.1	18.0	75 W	48*	43*
12 22	12 36.76	+ 3 2.5	2.599	2.662	21.5	17.9	83 W	48	50*
1 1	12 44.85	+ 2 49.0	2.482	2.686	21.5	17.9	91 W	48	56*
1 11	12 51.15	+ 2 50.5	2.363	2.708	21.0	17.8	100 W	48	60*
1 21	12 55.39	+ 3 8.2	2.248	2.730	19.9	17.6	109 W	48	61
4947 Ninkasi									
12 27	0 29.04	−10 53.9	0.641	1.145	59.1	19.4	87 E	34	67*
1 1	0 47.38	−10 30.9	0.660	1.148	58.7	19.5	86 E	34	66*
1 6	1 5.48	− 9 59.9	0.680	1.153	58.3	19.6	86 E	35	65*
1 11	1 23.36	− 9 21.9	0.701	1.158	57.8	19.6	85 E	36	65*
1 16	1 41.01	− 8 37.6	0.723	1.164	57.2	19.7	85 E	36	64*
1 21	1 58.45	− 7 48.1	0.745	1.171	56.7	19.8	84 E	37	63*
1 26	2 15.69	− 6 54.4	0.767	1.179	56.1	19.8	84 E	38	62*
1 31	2 32.73	− 5 57.4	0.791	1.188	55.5	19.9	83 E	39	61*
2 5	2 49.60	− 4 57.8	0.814	1.197	54.8	19.9	83 E	40	61*
2 10	3 6.33	− 3 56.4	0.839	1.206	54.2	20.0	82 E	41*	60*
2 15	3 22.94	− 2 53.9	0.864	1.216	53.5	20.1	82 E	42*	59*
2 20	3 39.44	− 1 51.3	0.890	1.227	52.8	20.1	81 E	43*	59*
2 25	3 55.86	− 0 49.2	0.917	1.238	52.1	20.2	81 E	44*	58*
3 2	4 12.19	+ 0 11.6	0.944	1.249	51.4	20.3	80 E	44*	57*
3 7	4 28.44	+ 1 10.5	0.973	1.261	50.8	20.3	80 E	45*	57*
3 17	5 0.79	+ 3 0.7	1.032	1.285	49.4	20.5	79 E	45*	56*
3 27	5 32.90	+ 4 36.9	1.095	1.310	48.0	20.6	77 E	45*	55*
4 6	6 4.72	+ 5 55.9	1.163	1.335	46.6	20.7	76 E	44*	54*
4 16	6 36.20	+ 6 55.8	1.233	1.360	45.2	20.8	74 E	42*	53*
4 26	7 7.24	+ 7 35.2	1.308	1.385	43.8	21.0	72 E	39*	53*
5 6	7 37.73	+ 7 54.1	1.385	1.409	42.3	21.1	70 E	36*	52*
5 16	8 7.61	+ 7 53.0	1.466	1.432	40.8	21.2	68 E	33*	52*
5 26	8 36.80	+ 7 33.1	1.548	1.454	39.3	21.3	65 E	29*	51*
6 5	9 5.26	+ 6 56.2	1.631	1.476	37.7	21.4	63 E	25*	51*

267004 1981 *UA*

20/21	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
	h m	° ′			°	m	°	°	°
12 27	0 29.69	+37 34.0	1.031	1.600	36.4	18.5	105 E	83	24*
1 1	0 37.42	+38 30.5	1.078	1.609	36.6	18.6	103 E	84	22*
1 6	0 46.11	+39 26.0	1.124	1.619	36.7	18.7	100 E	84	21*
1 11	0 55.73	+40 20.5	1.172	1.630	36.7	18.8	98 E	85	19*
1 16	1 6.21	+41 13.9	1.219	1.641	36.6	18.9	96 E	86	17*
1 21	1 17.51	+42 6.0	1.267	1.653	36.4	19.0	94 E	87*	16*
1 26	1 29.57	+42 56.3	1.316	1.666	36.2	19.1	92 E	86*	15*
1 31	1 42.36	+43 44.5	1.365	1.679	35.9	19.2	90 E	84*	14*
2 5	1 55.82	+44 30.0	1.414	1.694	35.6	19.3	88 E	81*	13*
2 10	2 9.92	+45 12.4	1.464	1.708	35.2	19.3	86 E	79*	12*
2 15	2 24.62	+45 51.4	1.514	1.723	34.8	19.4	84 E	77*	11*
2 20	2 39.86	+46 26.5	1.565	1.739	34.3	19.5	83 E	75*	11*
2 25	2 55.59	+46 57.2	1.616	1.755	33.8	19.6	81 E	74*	10*
3 2	3 11.73	+47 23.2	1.668	1.772	33.3	19.6	79 E	72*	10*
3 7	3 28.23	+47 44.0	1.720	1.789	32.8	19.7	77 E	70*	10*
3 12	3 45.01	+47 59.3	1.773	1.806	32.2	19.8	76 E	69*	10*
3 17	4 2.00	+48 9.0	1.827	1.824	31.6	19.9	74 E	67*	10*
3 22	4 19.12	+48 12.9	1.881	1.842	31.0	19.9	72 E	66*	10*
3 27	4 36.29	+48 11.0	1.935	1.861	30.4	20.0	71 E	64*	10*
4 1	4 53.41	+48 3.1	1.991	1.879	29.7	20.1	69 E	63*	11*
4 6	5 10.43	+47 49.5	2.046	1.898	29.1	20.1	67 E	61*	11*
4 11	5 27.28	+47 30.1	2.103	1.917	28.4	20.2	65 E	59*	12*
4 16	5 43.89	+47 5.3	2.159	1.936	27.7	20.2	64 E	58*	12*
4 21	6 0.21	+46 35.4	2.216	1.955	27.0	20.3	62 E	56*	13*
4 26	6 16.20	+46 0.6	2.273	1.975	26.2	20.4	60 E	54*	13*
5 1	6 31.82	+45 21.2	2.330	1.994	25.5	20.4	58 E	52*	14*
5 6	6 47.04	+44 37.6	2.387	2.014	24.7	20.5	56 E	50*	14*
5 11	7 1.85	+43 50.1	2.444	2.034	23.9	20.5	55 E	48*	15*
5 16	7 16.26	+42 59.1	2.501	2.053	23.1	20.5	53 E	45*	15*
5 21	7 30.24	+42 5.0	2.558	2.073	22.2	20.6	51 E	43*	16*
5 26	7 43.80	+41 8.2	2.614	2.093	21.4	20.6	49 E	41*	16*
5 31	7 56.94	+40 8.8	2.670	2.112	20.5	20.7	47 E	38*	16*
6 5	8 9.68	+39 7.3	2.725	2.132	19.7	20.7	45 E	36*	17*
6 10	8 22.05	+38 3.8	2.780	2.152	18.8	20.7	43 E	33*	17*
6 15	8 34.04	+36 58.8	2.833	2.171	17.9	20.8	41 E	31*	17*
6 20	8 45.67	+35 52.4	2.885	2.191	17.0	20.8	39 E	29*	16*
6 25	8 56.96	+34 44.9	2.937	2.210	16.0	20.8	37 E	26*	16*
6 30	9 7.93	+33 36.5	2.986	2.229	15.1	20.9	35 E	24*	15*
7 5	9 18.60	+32 27.3	3.035	2.249	14.2	20.9	33 E	22*	15*
7 10	9 28.98	+31 17.6	3.081	2.268	13.3	20.9	31 E	21*	14*
7 15	9 39.09	+30 7.5	3.126	2.287	12.3	20.9	29 E	19*	13*
7 20	9 48.94	+28 57.1	3.169	2.306	11.4	20.9	27 E	17*	11*
7 25	9 58.55	+27 46.7	3.210	2.324	10.5	20.9	25 E	16*	10*
7 30	10 7.93	+26 36.2	3.248	2.343	9.5	20.9	23 E	14*	8*
8 4	10 17.11	+25 25.8	3.285	2.361	8.7	20.9	21 E	13*	7*
8 9	10 26.08	+24 15.6	3.319	2.380	7.8	20.9	19 E	11*	5*
8 14	10 34.86	+23 5.8	3.350	2.398	7.0	20.9	17 E	10*	3*
8 19	10 43.46	+21 56.3	3.378	2.416	6.3	20.9	15 E	9*	1*
8 24	10 51.89	+20 47.4	3.404	2.433	5.6	20.9	14 E	8*	—
8 29	11 0.16	+19 39.0	3.427	2.451	5.2	20.9	13 E	6*	—
9 3	11 8.28	+18 31.2	3.446	2.468	4.9	21.0	12 E	5*	—
9 8	11 16.25	+17 24.1	3.463	2.485	4.8	21.0	12 E	4*	—
9 13	11 24.07	+16 17.7	3.476	2.502	4.9	21.0	12 E	3*	—
9 18	11 31.76	+15 12.2	3.486	2.519	5.3	21.1	13 W	5*	—
9 23	11 39.31	+14 7.6	3.492	2.536	5.9	21.1	15 W	8*	—
9 28	11 46.73	+13 3.9	3.495	2.552	6.5	21.1	17 W	10*	—
10 3	11 54.02	+12 1.2	3.494	2.568	7.3	21.2	19 W	13*	—
10 8	12 1.19	+10 59.6	3.490	2.584	8.1	21.2	21 W	15*	—
10 13	12 8.22	+ 9 59.1	3.482	2.600	8.9	21.3	24 W	18*	—
10 18	12 15.12	+ 8 59.8	3.470	2.615	9.8	21.3	26 W	20*	3*
10 23	12 21.89	+ 8 1.7	3.454	2.631	10.6	21.4	29 W	23*	5*
10 28	12 28.52	+ 7 4.8	3.435	2.646	11.5	21.4	32 W	26*	7*
11 2	12 35.01	+ 6 9.3	3.412	2.660	12.3	21.4	35 W	28*	10*
11 7	12 41.35	+ 5 15.2	3.386	2.675	13.2	21.5	38 W	31*	12*
11 12	12 47.52	+ 4 22.5	3.355	2.689	14.0	21.5	41 W	33*	15*
11 17	12 53.53	+ 3 31.2	3.322	2.703	14.8	21.5	44 W	35*	18*

486001 2012 MR_7

12 27	0 29.95	+28 7.3	0.622	1.269	49.3	20.2	102 E	73	33*
1 1	0 48.40	+26 20.5	0.636	1.265	49.8	20.3	101 E	71	35*
1 6	1 6.89	+24 37.4	0.653	1.262	50.3	20.3	99 E	70	36*
1 11	1 25.32	+22 58.7	0.671	1.261	50.7	20.4	97 E	68	37*
1 16	1 43.61	+21 25.0	0.693	1.260	51.0	20.5	96 E	66	39*
1 21	2 1.69	+19 56.7	0.716	1.260	51.2	20.6	94 E	65	40*
1 26	2 19.51	+18 33.9	0.741	1.261	51.3	20.6	93 E	64	41*
1 31	2 37.03	+17 16.5	0.768	1.262	51.3	20.7	91 E	62	42*
2 5	2 54.24	+16 4.3	0.797	1.265	51.2	20.8	90 E	61	44*
2 10	3 11.14	+14 57.2	0.827	1.268	51.0	20.9	88 E	60	45*
2 15	3 27.74	+13 54.9	0.858	1.273	50.8	21.0	87 E	59*	46*
2 20	3 44.06	+12 56.8	0.891	1.278	50.5	21.1	85 E	58*	47*
2 25	4 0.09	+12 2.5	0.925	1.284	50.1	21.1	84 E	56*	48*
3 2	4 15.86	+11 11.5	0.959	1.290	49.6	21.2	83 E	55*	48*

486001 2012 MR_7 *(continuation)*

3 7	4 31.38	+10 23.2	0.994	1.298	49.1	21.3	82 E	54*	49*
3 12	4 46.69	+ 9 37.4	1.030	1.306	48.6	21.4	80 E	52*	50*
3 17	5 1.81	+ 8 53.4	1.066	1.314	48.0	21.4	79 E	51*	51*

87684 2000 SY_2

12 27	0 30.83	−25 52.8	0.843	1.198	54.3	18.1	82 E	19	74*
1 1	0 32.35	−24 29.3	0.861	1.163	55.8	18.1	78 E	21	69*
1 6	0 34.56	−23 4.8	0.875	1.124	57.3	18.1	74 E	22	65*
1 11	0 37.30	−21 39.5	0.885	1.083	59.0	18.1	71 E	23	61*
1 16	0 40.44	−20 13.2	0.889	1.038	60.8	18.1	67 E	25*	57*
1 21	0 43.78	−18 45.9	0.888	0.989	63.0	18.1	64 E	26*	53*
1 26	0 47.11	−17 17.6	0.880	0.937	65.5	18.0	60 E	26*	49*
1 31	0 50.17	−15 47.8	0.866	0.881	68.6	17.9	56 E	26*	45*
2 5	0 52.60	−14 16.1	0.846	0.821	72.5	17.8	53 E	26*	41*
2 10	0 53.87	−12 41.9	0.818	0.756	77.6	17.8	48 E	25*	37*
2 15	0 53.17	−11 4.3	0.782	0.688	84.2	17.7	44 E	23*	33*
2 20	0 49.16	− 9 22.3	0.741	0.615	93.2	17.7	38 E	20*	28*
2 25	0 39.75	− 7 34.8	0.696	0.538	105.9	17.9	32 E	16*	22*
3 2	0 21.96	− 5 41.4	0.656	0.461	124.2	18.7	23 E	11*	14*

136864 1998 FB_{41}

12 27	0 30.86	+ 0 28.7	2.494	2.711	21.3	21.5	92 E	45	58*
1 6	0 39.06	+ 1 21.4	2.656	2.733	21.0	21.6	84 E	46	53*
1 16	0 48.50	+ 2 21.6	2.816	2.754	20.3	21.8	76 E	47*	47*
1 26	0 58.99	+ 3 27.7	2.972	2.775	19.3	21.9	69 E	47*	41*
2 5	1 10.33	+ 4 37.8	3.120	2.795	18.1	21.9	62 E	45*	36*

349366 2007 VB_{227}

12 27	0 31.08	− 4 57.7	1.360	1.675	36.0	20.4	90 E	40	63*
1 6	0 49.75	− 1 42.6	1.461	1.692	35.4	20.5	85 E	43	57*
1 16	1 9.20	+ 1 27.9	1.567	1.711	34.6	20.7	81 E	46	51*
1 26	1 29.33	+ 4 31.8	1.675	1.733	33.5	20.8	76 E	49*	46*
2 5	1 50.06	+ 7 27.4	1.786	1.756	32.3	20.9	72 E	51*	41*
2 15	2 11.34	+10 13.2	1.899	1.781	30.9	21.1	68 E	51*	38*
2 25	2 33.13	+12 47.9	2.013	1.807	29.4	21.2	64 E	49*	34*
3 7	2 55.37	+15 10.3	2.127	1.835	27.8	21.3	60 E	47*	31*
3 17	3 18.03	+17 19.4	2.240	1.864	26.1	21.4	55 E	44*	29*
3 27	3 41.08	+19 14.5	2.352	1.894	24.2	21.5	51 E	40*	26*

510421 2011 UX_{280}

12 27	0 31.24	+ 1 59.7	1.754	2.049	28.7	21.1	93 E	47	57*
1 6	0 47.26	+ 3 12.3	1.916	2.100	27.9	21.4	87 E	48	53*
1 16	1 3.60	+ 4 30.1	2.081	2.151	26.8	21.6	81 E	50	48*
1 26	1 20.17	+ 5 51.0	2.246	2.203	25.5	21.7	75 E	50*	43*
2 5	1 36.92	+ 7 12.8	2.412	2.255	24.1	21.9	69 E	50*	39*

163081 2002 AG_{29}

12 27	0 31.74	− 4 13.7	0.826	1.287	49.8	20.5	90 E	41	62*
1 1	0 44.49	− 3 25.7	0.867	1.292	49.5	20.6	88 E	42	61*
1 6	0 57.07	− 2 35.1	0.907	1.297	49.2	20.7	87 E	42	59*
1 11	1 9.54	− 1 42.4	0.947	1.301	48.8	20.8	85 E	43	57*
1 16	1 21.94	− 0 48.0	0.986	1.304	48.5	20.9	83 E	44	55*
1 21	1 34.30	+ 0 7.7	1.024	1.306	48.1	20.9	81 E	45	53*
1 26	1 46.65	+ 1 4.2	1.062	1.307	47.7	21.0	79 E	46*	51*
1 31	1 59.01	+ 2 1.1	1.099	1.308	47.4	21.1	78 E	47*	50*
2 5	2 11.41	+ 2 58.1	1.134	1.307	47.0	21.1	76 E	47*	48*
2 10	2 23.88	+ 3 54.8	1.169	1.306	46.6	21.2	74 E	48*	47*
2 15	2 36.44	+ 4 51.1	1.202	1.304	46.2	21.2	72 E	48*	46*
2 20	2 49.11	+ 5 46.5	1.234	1.301	45.8	21.3	71 E	48*	45*
2 25	3 1.90	+ 6 40.7	1.264	1.297	45.5	21.3	69 E	47*	44*
3 2	3 14.84	+ 7 33.4	1.293	1.292	45.1	21.3	67 E	47*	43*
3 7	3 27.92	+ 8 24.4	1.320	1.286	44.7	21.4	66 E	46*	42*
3 12	3 41.19	+ 9 13.5	1.345	1.279	44.4	21.4	64 E	45*	41*
3 17	3 54.64	+10 0.3	1.369	1.272	44.1	21.4	63 E	44*	40*
3 22	4 8.30	+10 44.6	1.391	1.264	43.8	21.4	61 E	43*	40*
3 27	4 22.16	+11 26.0	1.411	1.255	43.5	21.4	60 E	41*	39*
4 1	4 36.23	+12 4.4	1.429	1.245	43.2	21.4	59 E	40*	38*
4 6	4 50.53	+12 39.6	1.445	1.234	43.0	21.4	57 E	39*	38*
4 11	5 5.07	+13 11.2	1.459	1.223	42.8	21.4	56 E	37*	38*
4 16	5 19.84	+13 39.0	1.471	1.211	42.6	21.4	55 E	35*	37*
4 21	5 34.87	+14 2.8	1.481	1.198	42.4	21.4	54 E	34*	37*
4 26	5 50.13	+14 22.4	1.489	1.185	42.3	21.4	52 E	32*	37*
5 1	6 5.63	+14 37.5	1.495	1.171	42.3	21.4	51 E	30*	36*
5 6	6 21.39	+14 48.0	1.500	1.156	42.2	21.3	50 E	28*	36*
5 11	6 37.39	+14 53.8	1.502	1.141	42.2	21.3	49 E	27*	36*
5 16	6 53.64	+14 54.5	1.502	1.125	42.3	21.3	49 E	25*	36*
5 21	7 10.14	+14 50.2	1.500	1.109	42.4	21.3	48 E	23*	36*
5 26	7 26.87	+14 40.6	1.496	1.092	42.6	21.2	47 E	22*	35*
5 31	7 43.84	+14 25.8	1.490	1.075	42.9	21.2	46 E	20*	35*
6 5	8 1.04	+14 5.7	1.483	1.058	43.2	21.1	46 E	19*	35*
6 10	8 18.48	+13 40.3	1.474	1.041	43.5	21.1	45 E	17*	35*

163081 2002 AG_{29} *(continuation)*

20/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
	h m	° ′			°	m	°	°	°
6 15	8 36.16	+13 9.5	1.463	1.024	44.0	21.1	44 E	16*	35*
6 20	8 54.06	+12 33.5	1.450	1.007	44.5	21.0	44 E	15*	35*
6 25	9 12.19	+11 52.3	1.435	0.990	45.1	21.0	44 E	14*	35*
6 30	9 30.54	+11 6.3	1.419	0.974	45.8	20.9	43 E	13*	35*
7 5	9 49.13	+10 15.5	1.402	0.958	46.5	20.9	43 E	13*	35*
7 10	10 7.96	+ 9 20.2	1.383	0.943	47.3	20.9	43 E	12*	35*
7 15	10 27.03	+ 8 20.6	1.363	0.929	48.2	20.8	43 E	12*	35*
7 20	10 46.35	+ 7 17.2	1.341	0.916	49.2	20.8	43 E	12*	36*
7 25	11 5.93	+ 6 10.4	1.319	0.904	50.3	20.7	43 E	12*	36*
7 30	11 25.76	+ 5 0.5	1.296	0.893	51.4	20.7	43 E	13*	36*
8 4	11 45.87	+ 3 48.1	1.272	0.884	52.5	20.7	44 E	13*	37*
8 9	12 6.27	+ 2 33.5	1.247	0.877	53.6	20.7	44 E	14*	37*
8 14	12 26.97	+ 1 17.3	1.223	0.871	54.8	20.6	45 E	14*	38*
8 19	12 47.98	+ 0 0.2	1.198	0.868	56.0	20.6	45 E	15*	38*
8 24	13 9.30	− 1 17.5	1.174	0.866	57.1	20.6	46 E	16*	39*
8 29	13 30.95	− 2 35.0	1.150	0.866	58.1	20.6	47 E	17*	39*
9 3	13 52.96	− 3 51.7	1.127	0.869	59.1	20.6	48 E	18*	40*
9 8	14 15.32	− 5 7.2	1.105	0.873	59.9	20.6	49 E	19*	41*
9 13	14 38.04	− 6 20.7	1.084	0.879	60.6	20.6	50 E	20*	42*
9 18	15 1.12	− 7 31.3	1.065	0.887	61.2	20.6	51 E	21*	43*
9 23	15 24.54	− 8 38.4	1.048	0.897	61.5	20.6	52 E	22*	44*
9 28	15 48.29	− 9 41.0	1.034	0.908	61.7	20.6	53 E	23*	44*
10 3	16 12.34	−10 38.5	1.022	0.920	61.8	20.6	54 E	23*	45*
10 8	16 36.65	−11 29.8	1.013	0.934	61.6	20.6	55 E	24*	46*
10 13	17 1.16	−12 14.2	1.007	0.948	61.3	20.6	56 E	25*	47*
10 18	17 25.77	−12 50.8	1.004	0.963	60.8	20.6	58 E	26*	48*
10 23	17 50.39	−13 19.0	1.004	0.979	60.2	20.6	59 E	27*	48*
10 28	18 14.93	−13 38.4	1.007	0.996	59.5	20.6	60 E	27*	49*
11 2	18 39.28	−13 48.7	1.014	1.013	58.6	20.7	61 E	28*	49*
11 7	19 3.36	−13 49.8	1.024	1.030	57.7	20.7	61 E	29*	49*
11 12	19 27.04	−13 41.9	1.037	1.047	56.7	20.7	62 E	30*	49*
11 17	19 50.24	−13 25.2	1.053	1.064	55.7	20.8	63 E	30*	49*
11 22	20 12.89	−13 0.4	1.072	1.081	54.6	20.8	63 E	31*	49*
11 27	20 34.94	−12 28.1	1.094	1.098	53.5	20.9	63 E	32*	48*
12 2	20 56.36	−11 49.1	1.118	1.114	52.4	20.9	64 E	32*	47*
12 7	21 17.14	−11 4.1	1.145	1.130	51.3	21.0	64 E	33*	46*
12 12	21 37.27	−10 13.8	1.173	1.146	50.2	21.0	63 E	34*	45*
12 17	21 56.76	− 9 19.0	1.203	1.161	49.2	21.1	63 E	35*	44*
12 22	22 15.64	− 8 20.6	1.235	1.175	48.1	21.1	63 E	36*	43*
12 27	22 33.94	− 7 19.1	1.268	1.189	47.1	21.2	62 E	37*	42*
1 1	22 51.69	− 6 15.2	1.302	1.202	46.0	21.2	62 E	37*	40*
1 6	23 8.96	− 5 9.4	1.336	1.215	45.0	21.3	61 E	38*	39*
1 11	23 25.78	− 4 2.1	1.372	1.227	44.0	21.3	60 E	39*	38*
1 16	23 42.18	− 2 54.0	1.407	1.238	43.1	21.4	59 E	39*	37*
1 21	23 58.22	− 1 45.4	1.443	1.248	42.1	21.4	58 E	40*	36*

55401 2001 SX_{316}

20/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
	h m	° ′			°	m	°	°	°
12 27	0 32.03	+27 47.0	2.661	3.029	18.5	19.4	102 E	73	34*
1 6	0 38.74	+26 56.9	2.780	3.013	19.0	19.5	94 E	72	31*
1 16	0 47.21	+26 23.2	2.900	2.996	19.1	19.6	86 E	71*	28*
1 26	0 57.18	+26 4.6	3.020	2.978	18.9	19.6	78 E	68*	25*
2 5	1 8.43	+25 59.3	3.135	2.959	18.3	19.7	71 E	63*	21*
2 15	1 20.79	+26 5.4	3.243	2.940	17.5	19.7	64 E	57*	18*
2 25	1 34.13	+26 20.8	3.344	2.919	16.5	19.7	57 E	50*	15*
3 7	1 48.32	+26 43.7	3.434	2.898	15.2	19.7	50 E	44*	12*
3 17	2 3.28	+27 12.0	3.513	2.876	13.8	19.7	44 E	38*	9*
3 27	2 18.92	+27 44.1	3.579	2.852	12.3	19.7	37 E	31*	7*
4 6	2 35.19	+28 18.3	3.632	2.828	10.7	19.6	32 E	26*	4*
4 16	2 52.03	+28 53.1	3.671	2.803	9.0	19.6	26 E	20*	1*
4 26	3 9.40	+29 26.9	3.697	2.777	7.3	19.5	21 E	15*	—
5 6	3 27.25	+29 58.5	3.708	2.751	5.7	19.4	16 E	10*	—
5 16	3 45.54	+30 26.6	3.705	2.723	4.4	19.3	12 E	5*	—
5 26	4 4.21	+30 50.2	3.687	2.695	3.7	19.2	10 W	3*	—
6 5	4 23.21	+31 8.1	3.656	2.666	4.1	19.2	11 W	5*	—
6 15	4 42.49	+31 19.4	3.611	2.636	5.3	19.2	14 W	7*	—
6 25	5 1.96	+31 23.4	3.553	2.605	6.9	19.2	18 W	10*	4*
7 5	5 21.56	+31 19.2	3.482	2.574	8.7	19.3	23 W	14*	8*
7 15	5 41.21	+31 6.3	3.399	2.542	10.7	19.3	28 W	18*	11*
7 25	6 0.81	+30 44.2	3.305	2.509	12.6	19.2	33 W	23*	14*
8 4	6 20.27	+30 12.5	3.200	2.476	14.5	19.2	38 W	28*	17*
8 14	6 39.51	+29 31.0	3.084	2.441	16.4	19.2	43 W	34*	19*
8 24	6 58.39	+28 39.5	2.960	2.407	18.2	19.1	48 W	39*	21*
9 3	7 16.85	+27 37.9	2.827	2.372	20.0	19.0	54 W	44*	24*
9 13	7 34.75	+26 26.3	2.688	2.336	21.7	18.9	59 W	50*	26*
9 23	7 51.98	+25 4.5	2.542	2.300	23.2	18.8	65 W	54*	29*
10 3	8 8.42	+23 32.7	2.391	2.264	24.6	18.7	71 W	59*	32*
10 13	8 23.90	+21 51.0	2.237	2.227	25.8	18.6	77 W	62*	35*
10 23	8 38.27	+19 59.2	2.082	2.190	26.8	18.4	83 W	64*	38*
11 2	8 51.33	+17 57.3	1.925	2.154	27.4	18.2	89 W	63	42*
11 12	9 2.80	+15 45.0	1.771	2.117	27.7	18.0	96 W	61	46*
11 22	9 12.39	+13 22.0	1.620	2.080	27.5	17.8	103 W	58	50*
12 2	9 19.71	+10 48.0	1.475	2.044	26.8	17.5	111 W	56	53*

55401 2001 SX_{316} *(continuation)*

20/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
	h m	° ′			°	m	°	°	°
12 12	9 24.30	+ 8 2.7	1.339	2.008	25.5	17.2	119 W	53	56
12 22	9 25.66	+ 5 6.7	1.214	1.972	23.4	16.9	127 W	50	59
1 1	9 23.34	+ 2 1.9	1.105	1.938	20.6	16.6	136 W	47	62
1 6	9 20.67	+ 0 27.7	1.057	1.921	19.0	16.4	141 W	45	64
1 11	9 17.01	− 1 6.5	1.013	1.904	17.3	16.2	145 W	44	65
1 16	9 12.39	− 2 39.4	0.976	1.887	15.6	16.1	149 W	42	67
1 21	9 6.89	− 4 9.7	0.944	1.871	14.2	15.9	152 W	41	68

329342 2001 OL_{100}

20/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
	h m	° ′			°	m	°	°	°
12 27	0 33.08	− 1 58.6	1.551	1.857	32.0	21.2	91 E	43	61*
1 6	0 50.30	+ 0 18.0	1.684	1.891	31.2	21.4	86 E	45	55*
1 16	1 8.02	+ 2 33.4	1.820	1.927	30.3	21.5	81 E	48	50*
1 26	1 26.17	+ 4 45.8	1.959	1.964	29.1	21.7	76 E	49*	45*
2 5	1 44.65	+ 6 54.0	2.099	2.002	27.7	21.9	71 E	50*	41*

86212 1999 TG_{21}

20/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
	h m	° ′			°	m	°	°	°
12 27	0 33.48	+13 43.6	1.172	1.627	36.8	17.9	98 E	59	47*
1 6	0 45.05	+17 20.3	1.254	1.615	37.5	18.0	92 E	62	40*
1 16	0 59.58	+20 51.0	1.337	1.606	37.7	18.2	86 E	66	34*
1 26	1 16.82	+24 15.4	1.419	1.601	37.4	18.3	81 E	68*	29*
2 5	1 36.61	+27 31.9	1.500	1.599	36.9	18.4	77 E	68*	24*
2 15	1 58.90	+30 38.8	1.580	1.601	36.2	18.5	73 E	66*	21*
2 25	2 23.67	+33 33.5	1.658	1.607	35.3	18.6	70 E	63*	18*
3 7	2 50.87	+36 12.3	1.735	1.616	34.2	18.7	66 E	60*	15*
3 17	3 20.47	+38 31.5	1.811	1.628	33.1	18.7	63 E	57*	14*
3 27	3 52.30	+40 26.9	1.887	1.644	31.9	18.8	60 E	54*	12*
4 1	4 8.96	+41 14.5	1.925	1.652	31.3	18.8	59 E	53*	12*
4 6	4 26.04	+41 54.6	1.963	1.662	30.6	18.9	58 E	52*	12*
4 11	4 43.49	+42 26.9	2.001	1.672	30.0	18.9	57 E	51*	12*
4 16	5 1.23	+42 51.1	2.040	1.683	29.3	19.0	55 E	49*	12*
4 21	5 19.16	+43 7.1	2.079	1.695	28.6	19.0	54 E	48*	12*
4 26	5 37.21	+43 14.6	2.118	1.707	28.0	19.0	53 E	47*	12*
5 1	5 55.26	+43 13.8	2.157	1.720	27.3	19.1	51 E	45*	12*
5 6	6 13.24	+43 4.6	2.197	1.733	26.6	19.1	50 E	44*	12*
5 11	6 31.06	+42 47.4	2.237	1.747	25.8	19.1	49 E	42*	13*
5 16	6 48.65	+42 22.4	2.277	1.762	25.1	19.2	48 E	41*	13*
5 21	7 5.92	+41 50.1	2.317	1.777	24.3	19.2	46 E	39*	14*
5 26	7 22.82	+41 10.9	2.358	1.792	23.6	19.2	45 E	37*	14*
5 31	7 39.31	+40 25.4	2.400	1.807	22.8	19.3	44 E	35*	14*
6 5	7 55.35	+39 34.0	2.441	1.823	22.0	19.3	42 E	34*	15*
6 10	8 10.93	+38 37.4	2.482	1.840	21.2	19.3	41 E	32*	15*
6 15	8 26.03	+37 36.1	2.524	1.856	20.4	19.4	40 E	30*	15*
6 20	8 40.66	+36 30.7	2.565	1.873	19.5	19.4	38 E	28*	15*
6 25	8 54.81	+35 21.8	2.607	1.890	18.7	19.4	37 E	26*	15*
6 30	9 8.49	+34 9.7	2.648	1.908	17.8	19.4	35 E	25*	15*
7 5	9 21.73	+32 55.0	2.689	1.925	17.0	19.5	34 E	23*	15*
7 10	9 34.55	+31 38.2	2.729	1.943	16.1	19.5	32 E	22*	14*
7 15	9 46.96	+30 19.5	2.769	1.961	15.2	19.5	30 E	20*	14*
7 25	10 10.65	+27 38.5	2.847	1.997	13.4	19.6	27 E	17*	12*
8 4	10 32.99	+24 54.4	2.920	2.034	11.6	19.6	24 E	15*	10*
8 14	10 54.15	+22 9.4	2.989	2.070	9.9	19.6	20 E	13*	7*
8 24	11 14.30	+19 25.2	3.051	2.107	8.2	19.6	17 E	10*	4*
9 3	11 33.57	+16 43.1	3.106	2.144	6.7	19.6	14 E	8*	—
9 13	11 52.09	+14 4.2	3.153	2.181	5.7	19.6	12 E	6*	—
9 23	12 9.95	+11 29.4	3.190	2.217	5.3	19.7	12 E	4*	—
10 3	12 27.22	+ 8 59.4	3.217	2.253	5.7	19.8	13 W	5*	—
10 13	12 43.97	+ 6 34.8	3.232	2.289	6.9	19.9	16 W	9*	—
10 23	13 0.22	+ 4 16.2	3.235	2.324	8.4	20.0	20 W	14*	—
11 2	13 16.00	+ 2 3.7	3.225	2.358	10.0	20.1	24 W	18*	2*
11 12	13 31.30	− 0 2.1	3.202	2.392	11.8	20.1	30 W	23*	7*
11 22	13 46.09	− 2 1.1	3.166	2.426	13.6	20.2	35 W	27*	13*
12 2	14 0.32	− 3 53.1	3.116	2.459	15.2	20.3	41 W	31*	19*
12 12	14 13.91	− 5 38.0	3.054	2.491	16.8	20.3	47 W	33*	26*
12 22	14 26.76	− 7 15.9	2.978	2.522	18.3	20.3	54 W	34*	33*
1 1	14 38.73	− 8 46.9	2.891	2.552	19.6	20.3	60 W	35*	41*
1 11	14 49.65	−10 11.2	2.794	2.582	20.6	20.3	67 W	35*	50*
1 21	14 59.32	−11 29.3	2.687	2.611	21.3	20.3	75 W	34*	59*

187746 1976 DC

20/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
	h m	° ′			°	m	°	°	°
12 27	0 34.04	+33 0.0	2.315	2.733	20.4	21.3	105 E	78	29*
1 6	0 40.84	+32 8.9	2.411	2.704	21.2	21.4	96 E	77	27*
1 16	0 49.87	+31 34.9	2.509	2.675	21.6	21.5	89 E	76*	24*
1 26	1 0.84	+31 17.4	2.607	2.644	21.6	21.5	81 E	73*	21*
2 5	1 13.49	+31 14.3	2.701	2.612	21.3	21.6	74 E	68*	18*

137125 1999 CT_3

20/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
	h m	° ′			°	m	°	°	°
12 27	0 34.28	+74 21.2	0.915	1.585	34.8	20.9	113 E	61	—
12 29	0 42.51	+73 33.4	0.915	1.583	34.9	20.9	113 E	61	—
12 31	0 50.71	+72 44.5	0.916	1.581	35.0	20.9	113 E	62	—
1 2	0 58.86	+71 54.8	0.916	1.579	35.1	20.9	112 E	63	—

20/21	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
137125 1999 CT_3 *(continuation)*									
	h m	° ′			°	m	°	°	°
1 4	1 6.95	+71 4.2	0.917	1.577	35.3	21.0	112 E	64	—
1 6	1 14.98	+70 12.7	0.919	1.575	35.4	21.0	112 E	65	—
1 11	1 34.73	+68 0.6	0.924	1.570	35.9	21.0	111 E	67	—
1 16	1 53.99	+65 44.4	0.933	1.564	36.4	21.0	109 E	69	—
1 21	2 12.70	+63 25.1	0.943	1.558	37.0	21.0	108 E	72	—
1 26	2 30.84	+61 3.8	0.957	1.551	37.6	21.1	106 E	74	2*
1 31	2 48.42	+58 41.5	0.973	1.545	38.2	21.1	104 E	76	4*
2 5	3 5.43	+56 19.0	0.992	1.538	38.8	21.2	102 E	79	6*
2 10	3 21.94	+53 57.2	1.013	1.530	39.4	21.2	100 E	81	9*
2 15	3 37.97	+51 37.0	1.037	1.523	40.0	21.3	98 E	83	11*
2 20	3 53.55	+49 19.1	1.063	1.515	40.5	21.3	95 E	85*	13*
2 25	4 8.70	+47 3.7	1.090	1.507	41.0	21.4	93 E	86*	15*
3 2	4 23.45	+44 51.2	1.120	1.499	41.4	21.4	90 E	84*	17*
3 7	4 37.82	+42 41.6	1.150	1.490	41.7	21.5	88 E	82*	19*
169675 2002 JM_{97}									
12 27	0 34.53	− 3 44.2	1.730	2.006	29.4	20.4	91 E	41	62*
1 6	0 48.90	− 0 58.4	1.908	2.074	28.2	20.6	85 E	44	56*
1 16	1 3.53	+ 1 36.3	2.089	2.141	26.9	20.9	80 E	47	50*
1 26	1 18.41	+ 4 1.0	2.272	2.208	25.3	21.1	74 E	48*	44*
2 5	1 33.48	+ 6 16.6	2.453	2.273	23.7	21.2	68 E	48*	39*
2 15	1 48.74	+ 8 23.8	2.632	2.338	21.9	21.4	62 E	47*	35*
208027 1999 JQ_{77}									
12 27	0 35.78	− 2 55.7	2.049	2.298	25.3	21.3	92 E	42	62*
1 6	0 46.64	− 1 15.3	2.210	2.334	24.8	21.5	85 E	44	56*
1 16	0 58.52	+ 0 27.3	2.371	2.369	24.0	21.7	78 E	45*	50*
1 26	1 11.26	+ 2 10.8	2.529	2.403	22.8	21.8	71 E	46*	44*
2 5	1 24.68	+ 3 53.9	2.684	2.437	21.5	21.9	65 E	45*	39*
458418 2011 AM_{12}									
12 27	0 36.75	−54 59.8	0.727	1.037	65.0	21.2	73 E	—	59*
12 29	0 51.82	−53 19.4	0.722	1.051	64.3	21.2	74 E	—	61*
12 31	1 6.00	−51 30.5	0.717	1.066	63.5	21.2	76 E	—	63*
1 2	1 19.33	−49 33.9	0.714	1.080	62.6	21.2	77 E	—	65*
1 4	1 31.84	−47 30.5	0.711	1.095	61.7	21.2	79 E	—	67*
1 6	1 43.59	−45 20.9	0.710	1.110	60.8	21.2	80 E	—	69*
1 8	1 54.63	−43 6.1	0.710	1.125	59.8	21.2	82 E	2	71*
1 10	2 5.01	−40 47.1	0.711	1.140	58.8	21.2	83 E	4	74*
1 12	2 14.81	−38 24.6	0.714	1.156	57.8	21.2	84 E	7	76*
1 14	2 24.06	−35 59.7	0.718	1.172	56.8	21.2	86 E	9	78*
1 16	2 32.82	−33 33.2	0.723	1.187	55.8	21.2	87 E	11	80*
1 18	2 41.14	−31 6.0	0.730	1.203	54.8	21.2	88 E	14	82*
1 20	2 49.06	−28 39.1	0.738	1.219	53.8	21.2	89 E	16	83*
1 22	2 56.61	−26 13.0	0.748	1.235	52.8	21.3	90 E	19	83*
1 24	3 3.84	−23 48.7	0.760	1.251	51.9	21.3	91 E	21	83*
1 26	3 10.78	−21 26.7	0.773	1.267	51.0	21.3	91 E	24	82*
1 31	3 27.00	−15 45.4	0.811	1.307	48.8	21.5	93 E	29	77*
2 5	3 41.95	−10 28.5	0.858	1.347	46.9	21.6	94 E	35	73*
2 10	3 55.90	− 5 39.4	0.912	1.388	45.2	21.7	94 E	39	68*
2 15	4 9.11	− 1 19.1	0.974	1.428	43.7	21.9	93 E	44	64*
65742 1993 TY_{18}									
12 27	0 37.32	+ 0 18.5	1.601	1.927	30.6	20.3	93 E	45	59*
1 6	0 53.29	+ 1 54.7	1.742	1.961	30.1	20.5	87 E	47	54*
1 16	1 9.90	+ 3 34.7	1.884	1.996	29.2	20.7	82 E	49	50*
1 26	1 27.01	+ 5 16.2	2.028	2.031	28.1	20.8	76 E	50*	45*
2 5	1 44.55	+ 6 57.4	2.171	2.067	26.8	21.0	71 E	50*	41*
2 15	2 2.45	+ 8 36.5	2.313	2.102	25.3	21.1	65 E	48*	37*
2 25	2 20.67	+10 12.3	2.452	2.137	23.7	21.2	60 E	46*	34*
3 7	2 39.14	+11 43.4	2.587	2.172	21.9	21.3	55 E	42*	31*
3 17	2 57.86	+13 8.7	2.717	2.206	20.1	21.4	50 E	38*	28*
3 27	3 16.76	+14 27.3	2.840	2.241	18.2	21.5	45 E	33*	25*
271073 2003 KU_{13}									
12 27	0 37.51	+ 5 33.5	1.773	2.106	27.7	20.2	95 E	51	55*
1 6	0 49.11	+ 7 51.4	1.931	2.148	27.2	20.4	89 E	53	49*
1 16	1 1.88	+10 4.6	2.092	2.190	26.4	20.6	82 E	55	43*
1 26	1 15.62	+12 13.5	2.253	2.232	25.4	20.8	76 E	56*	38*
2 5	1 30.15	+14 17.7	2.413	2.274	24.1	20.9	70 E	56*	33*
2 15	1 45.37	+16 17.2	2.569	2.316	22.6	21.1	64 E	53*	29*
2 25	2 1.18	+18 11.9	2.721	2.358	20.9	21.2	58 E	49*	25*
3 7	2 17.49	+20 1.1	2.868	2.399	19.2	21.3	53 E	45*	21*
3 17	2 34.27	+21 44.8	3.007	2.440	17.4	21.3	47 E	40*	18*
3 27	2 51.44	+23 22.4	3.138	2.481	15.5	21.4	42 E	34*	15*
4 6	3 8.95	+24 53.7	3.260	2.521	13.5	21.5	36 E	29*	12*
4 16	3 26.77	+26 18.2	3.371	2.561	11.6	21.5	31 E	24*	9*
424313 2007 TH_{370}									
12 27	0 37.87	+13 51.1	1.533	1.942	30.0	20.4	99 E	59	47*
1 6	0 53.91	+14 34.0	1.668	1.973	29.9	20.6	92 E	60	44*
1 16	1 10.86	+15 25.8	1.807	2.004	29.3	20.8	86 E	60	40*
1 26	1 28.55	+16 24.1	1.948	2.035	28.5	20.9	81 E	61*	37*
2 5	1 46.83	+17 26.1	2.089	2.066	27.4	21.1	75 E	60*	34*
2 15	2 5.61	+18 29.7	2.229	2.098	26.2	21.2	69 E	57*	31*
2 25	2 24.81	+19 33.0	2.368	2.129	24.7	21.4	64 E	54*	28*
3 7	2 44.36	+20 34.1	2.502	2.160	23.1	21.5	59 E	49*	26*
511019 2013 QJ_6									
12 27	0 38.34	−25 41.5	1.515	1.706	34.9	20.8	83 E	19	76*
1 1	0 48.33	−23 57.0	1.559	1.715	34.5	20.9	81 E	21	73*
1 6	0 58.39	−22 11.2	1.605	1.725	34.1	20.9	80 E	23	70*
1 11	1 8.50	−20 24.6	1.651	1.736	33.6	21.0	78 E	25	67*
1 16	1 18.67	−18 37.6	1.698	1.747	33.1	21.1	76 E	26	65*
1 21	1 28.89	−16 50.8	1.746	1.759	32.6	21.1	74 E	28	62*
1 26	1 39.14	−15 4.5	1.795	1.771	32.0	21.2	73 E	30*	60*
1 31	1 49.43	−13 19.3	1.844	1.784	31.5	21.2	71 E	31*	57*
2 5	1 59.75	−11 35.4	1.894	1.797	30.8	21.3	69 E	33*	55*
2 10	2 10.10	− 9 53.2	1.945	1.811	30.2	21.3	67 E	33*	53*
2 15	2 20.50	− 8 13.1	1.997	1.825	29.5	21.4	66 E	34*	51*
2 20	2 30.93	− 6 35.3	2.049	1.839	28.8	21.4	64 E	34*	49*
2 25	2 41.40	− 5 0.1	2.102	1.854	28.1	21.5	62 E	34*	47*
208563 2002 CL_4									
12 27	0 38.35	− 3 59.1	1.363	1.706	35.2	20.2	92 E	41	63*
1 6	0 56.75	− 1 26.2	1.466	1.721	34.8	20.3	87 E	44	58*
1 16	1 16.01	+ 1 7.6	1.572	1.738	34.1	20.5	82 E	46	52*
1 26	1 36.00	+ 3 39.8	1.681	1.757	33.2	20.6	78 E	49*	48*
2 5	1 56.60	+ 6 7.9	1.791	1.778	32.1	20.8	73 E	50*	44*
2 15	2 17.74	+ 8 29.9	1.903	1.801	30.8	20.9	69 E	50*	40*
2 25	2 39.38	+10 43.9	2.015	1.824	29.3	21.0	65 E	48*	37*
3 7	3 1.44	+12 48.4	2.127	1.849	27.8	21.1	60 E	46*	34*
3 17	3 23.88	+14 41.9	2.238	1.876	26.1	21.2	56 E	43*	32*
3 27	3 46.66	+16 23.4	2.348	1.902	24.4	21.3	52 E	39*	29*
4 6	4 9.68	+17 51.8	2.455	1.930	22.6	21.4	48 E	35*	27*
4 16	4 32.91	+19 6.6	2.559	1.958	20.7	21.4	44 E	31*	25*
4 26	4 56.25	+20 7.3	2.659	1.987	18.8	21.5	39 E	26*	23*
414960 2011 CS_4									
12 27	0 38.56	+16 24.3	0.447	1.147	57.6	20.5	100 E	61	45*
1 1	1 3.47	+17 14.9	0.466	1.163	56.2	20.6	101 E	62	44*
1 6	1 27.87	+17 58.0	0.487	1.180	54.8	20.7	101 E	63	44*
1 11	1 51.59	+18 33.7	0.513	1.198	53.5	20.8	102 E	64	44*
1 16	2 14.51	+19 2.8	0.541	1.217	52.3	20.9	102 E	64	43*
1 21	2 36.56	+19 26.0	0.573	1.237	51.1	21.0	102 E	64	43*
1 26	2 57.69	+19 43.8	0.608	1.258	50.0	21.2	102 E	65	43*
1 31	3 17.91	+19 56.8	0.646	1.279	49.0	21.3	101 E	65	43*
2 5	3 37.25	+20 5.8	0.686	1.301	48.1	21.5	101 E	65	43*
153306 2001 JL_1									
12 27	0 38.97	+ 7 54.6	1.644	2.011	29.1	20.6	97 E	53	53*
1 6	0 48.81	+ 6 46.2	1.709	1.945	30.3	20.6	88 E	52	50*
1 16	1 1.12	+ 6 1.8	1.770	1.879	31.1	20.6	81 E	51	46*
1 26	1 15.62	+ 5 37.7	1.825	1.813	31.4	20.6	74 E	50*	43*
2 5	1 32.11	+ 5 29.8	1.873	1.747	31.4	20.6	67 E	48*	40*
2 15	1 50.47	+ 5 34.5	1.911	1.682	31.1	20.6	62 E	44*	37*
2 25	2 10.62	+ 5 48.2	1.939	1.618	30.6	20.5	56 E	41*	35*
3 7	2 32.51	+ 6 7.5	1.957	1.555	30.1	20.4	52 E	36*	33*
3 17	2 56.15	+ 6 29.3	1.966	1.495	29.6	20.3	48 E	32*	32*
3 27	3 21.56	+ 6 50.4	1.965	1.438	29.2	20.2	45 E	28*	31*
4 6	3 48.77	+ 7 7.6	1.956	1.385	28.9	20.1	42 E	24*	30*
4 16	4 17.83	+ 7 18.0	1.940	1.338	28.8	20.0	40 E	20*	30*
4 26	4 48.75	+ 7 18.8	1.921	1.296	29.0	20.0	39 E	16*	30*
5 6	5 21.48	+ 7 7.5	1.899	1.263	29.3	19.9	38 E	13*	30*
5 16	5 55.93	+ 6 41.9	1.879	1.238	29.7	19.8	37 E	9*	31*
5 26	6 31.89	+ 6 0.6	1.863	1.222	30.1	19.8	37 E	6*	31*
6 5	7 9.06	+ 5 3.3	1.854	1.217	30.5	19.8	37 E	3*	31*
6 15	7 47.05	+ 3 50.6	1.856	1.222	30.6	19.8	38 E	1*	32*
6 25	8 25.37	+ 2 24.4	1.870	1.238	30.3	19.8	38 E	—	32*
7 5	9 3.51	+ 0 47.9	1.898	1.263	29.7	19.9	38 E	—	32*
7 15	9 41.02	− 0 55.6	1.942	1.296	28.7	20.0	38 E	—	31*
7 25	10 17.48	− 2 42.1	1.999	1.338	27.3	20.1	37 E	—	31*
8 4	10 52.62	− 4 28.2	2.070	1.385	25.6	20.2	36 E	—	30*
8 14	11 26.31	− 6 11.2	2.151	1.438	23.6	20.3	35 E	—	28*
8 24	11 58.46	− 7 48.6	2.242	1.495	21.5	20.4	33 E	—	26*
9 3	12 29.13	− 9 19.1	2.339	1.555	19.2	20.5	30 E	—	24*
9 13	12 58.40	−10 41.4	2.439	1.618	16.8	20.6	28 E	—	22*
9 23	13 26.38	−11 54.9	2.541	1.682	14.4	20.7	25 E	1*	19*
10 3	13 53.19	−12 59.0	2.642	1.747	12.0	20.7	21 E	1*	15*
10 13	14 18.93	−13 53.4	2.740	1.813	9.5	20.8	18 E	1*	11*
10 23	14 43.70	−14 37.6	2.832	1.879	7.1	20.9	14 E	1*	7*

153306 2001 JL_1 *(continuation)*

20/21	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
	h m	° ′			°	m	°	°	°
11 2	15 7.58	−15 11.5	2.917	1.945	4.8	20.9	9 E	—	3*
11 12	15 30.61	−15 34.9	2.993	2.011	2.8	20.9	6 E	—	—
11 22	15 52.81	−15 47.7	3.059	2.076	2.1	21.0	4 E	—	—
12 2	16 14.21	−15 49.8	3.114	2.140	3.4	21.2	7 W	1*	—
12 12	16 34.79	−15 41.2	3.156	2.204	5.4	21.4	12 W	6*	—

424271 2007 TE_{36}

12 27	0 39.05	+13 28.5	1.170	1.639	36.4	20.1	99 E	58	48*
1 6	0 58.93	+15 14.5	1.266	1.654	36.4	20.3	94 E	60	44*
1 16	1 20.14	+17 1.6	1.367	1.672	36.0	20.5	89 E	62	40*
1 26	1 42.47	+18 47.4	1.471	1.692	35.4	20.6	85 E	64*	37*
2 5	2 5.71	+20 29.0	1.578	1.714	34.5	20.8	80 E	64*	34*
2 15	2 29.71	+22 4.3	1.688	1.738	33.5	20.9	76 E	63*	32*
2 25	2 54.36	+23 31.1	1.800	1.763	32.2	21.1	72 E	61*	30*
3 7	3 19.48	+24 47.5	1.913	1.790	30.9	21.2	68 E	58*	28*
3 17	3 44.99	+25 52.0	2.027	1.819	29.4	21.3	64 E	54*	27*
3 27	4 10.74	+26 43.4	2.141	1.849	27.7	21.4	60 E	51*	26*

366616 2003 NP_4

12 27	0 39.21	+17 45.9	1.385	1.838	31.8	19.9	100 E	63	44*
1 6	0 59.34	+17 4.6	1.516	1.872	31.6	20.1	95 E	62	42*
1 16	1 19.60	+16 43.4	1.654	1.908	31.0	20.3	89 E	62	40*
1 26	1 39.93	+16 37.9	1.795	1.943	30.2	20.5	83 E	62*	38*
2 5	2 0.27	+16 43.7	1.939	1.980	29.1	20.7	78 E	60*	36*
2 15	2 20.62	+16 57.2	2.084	2.016	27.8	20.9	72 E	58*	34*
2 25	2 40.95	+17 15.3	2.229	2.053	26.3	21.0	67 E	54*	32*
3 7	3 1.24	+17 35.2	2.371	2.090	24.7	21.1	62 E	50*	31*
3 17	3 21.50	+17 54.7	2.510	2.126	22.9	21.2	56 E	45*	29*
3 27	3 41.70	+18 12.0	2.644	2.162	21.1	21.3	51 E	40*	27*
4 6	4 1.82	+18 25.4	2.772	2.198	19.1	21.4	46 E	34*	26*
4 16	4 21.83	+18 33.7	2.893	2.234	17.1	21.5	41 E	29*	24*

19764 2000 NF_5

12 27	0 40.27	+ 5 51.9	1.738	2.086	27.9	19.9	96 E	51	55*
1 6	0 53.63	+ 7 7.5	1.909	2.140	27.4	20.2	90 E	52	50*
1 16	1 7.67	+ 8 26.9	2.082	2.192	26.4	20.4	83 E	53	45*
1 26	1 22.28	+ 9 48.4	2.255	2.244	25.3	20.6	77 E	54*	41*
2 5	1 37.33	+11 10.5	2.426	2.294	23.9	20.7	71 E	53*	37*
2 15	1 52.76	+12 32.0	2.594	2.343	22.3	20.9	64 E	51*	33*
2 25	2 8.51	+13 51.9	2.756	2.391	20.6	21.0	58 E	47*	29*
3 7	2 24.52	+15 9.2	2.912	2.437	18.8	21.1	52 E	42*	26*
3 17	2 40.76	+16 22.9	3.059	2.482	16.9	21.2	47 E	37*	23*
3 27	2 57.17	+17 32.5	3.197	2.526	14.9	21.3	41 E	32*	20*
4 6	3 13.72	+18 37.1	3.324	2.568	12.9	21.3	35 E	26*	17*
4 16	3 30.38	+19 36.4	3.439	2.609	10.8	21.3	29 E	20*	14*
4 26	3 47.10	+20 29.9	3.542	2.649	8.7	21.4	23 E	15*	10*
5 6	4 3.82	+21 17.1	3.631	2.687	6.6	21.3	18 E	9*	7*
5 16	4 20.52	+21 58.0	3.705	2.724	4.4	21.3	12 E	4*	3*
5 26	4 37.13	+22 32.3	3.764	2.760	2.3	21.2	6 E	—	—
6 5	4 53.61	+23 0.0	3.809	2.794	0.2	21.1	1 E	—	—
6 15	5 9.88	+23 21.1	3.837	2.827	1.9	21.3	5 W	—	—
6 25	5 25.89	+23 35.8	3.849	2.858	4.0	21.5	11 W	1*	4*

474443 2003 QJ_5

12 27	0 41.03	−12 32.9	1.986	2.200	26.5	21.4	89 E	32	70*
1 1	0 47.53	−12 3.5	2.069	2.223	26.2	21.5	86 E	33	67*
1 6	0 54.21	−11 31.5	2.151	2.246	25.7	21.6	83 E	33	64*
1 11	1 1.04	−10 57.4	2.233	2.269	25.2	21.7	79 E	34	61*
1 16	1 8.02	−10 21.5	2.315	2.292	24.6	21.8	76 E	35	59*

363069 2000 EV_{106}

12 27	0 41.41	−50 58.3	0.761	1.074	62.1	21.1	75 E	—	62*
1 1	1 2.15	−50 16.6	0.759	1.076	62.0	21.1	75 E	—	63*
1 6	1 23.10	−49 18.0	0.755	1.080	61.8	21.1	76 E	—	64*
1 11	1 44.18	−48 1.4	0.749	1.086	61.6	21.0	76 E	—	65*
1 16	2 5.32	−46 26.0	0.742	1.094	61.3	21.0	77 E	—	67*
1 21	2 26.46	−44 30.9	0.733	1.105	60.8	21.0	79 E	—	68*
1 26	2 47.52	−42 15.4	0.724	1.117	60.3	21.0	80 E	3	70*
1 31	3 8.42	−39 39.1	0.716	1.131	59.6	21.0	82 E	5	73*
2 5	3 29.13	−36 41.7	0.708	1.146	58.7	21.0	83 E	8	76*
2 10	3 49.60	−33 24.1	0.703	1.163	57.7	20.9	85 E	12	78*
2 15	4 9.82	−29 48.2	0.701	1.181	56.6	20.9	87 E	15	81*
2 20	4 29.74	−25 57.0	0.702	1.201	55.4	20.9	89 E	19	83*
2 25	4 49.34	−21 55.0	0.708	1.222	54.1	21.0	90 E	23	82*
3 2	5 8.57	−17 47.3	0.719	1.243	52.8	21.0	92 E	27	80*
3 7	5 27.42	−13 39.5	0.735	1.265	51.5	21.0	93 E	31	77*
3 12	5 45.87	− 9 37.3	0.757	1.288	50.3	21.1	94 E	35*	73*
3 17	6 3.92	− 5 45.9	0.786	1.312	49.1	21.2	94 E	39*	70*
3 22	6 21.56	− 2 9.6	0.820	1.336	48.1	21.3	94 E	43*	66*
3 27	6 38.77	+ 1 8.7	0.859	1.360	47.0	21.4	94 E	46*	63*

27002 1998 DV_9

12 27	0 42.26	−10 4.0	0.785	1.261	51.2	20.0	90 E	35	69*
1 6	0 56.44	− 7 4.8	0.788	1.202	54.5	20.0	85 E	38	62*
1 16	1 14.20	− 3 40.3	0.783	1.147	57.6	19.9	80 E	41	56*
1 26	1 35.36	+ 0 8.5	0.770	1.097	60.7	19.9	76 E	45*	50*
2 5	1 59.89	+ 4 20.1	0.748	1.054	63.7	19.8	73 E	48*	45*
2 15	2 28.06	+ 8 53.4	0.721	1.021	66.6	19.8	71 E	51*	41*
2 25	3 0.39	+13 44.8	0.689	0.998	69.1	19.7	70 E	53*	38*
3 2	3 18.35	+16 14.9	0.673	0.991	70.2	19.7	70 E	55*	37*
3 7	3 37.68	+18 46.2	0.657	0.987	71.0	19.6	70 E	56*	35*
3 12	3 58.53	+21 16.4	0.642	0.987	71.7	19.6	71 E	57*	34*
3 17	4 21.05	+23 42.9	0.628	0.990	72.0	19.6	71 E	59*	33*
3 22	4 45.37	+26 2.0	0.616	0.996	72.0	19.6	72 E	60*	32*
3 27	5 11.53	+28 9.5	0.606	1.006	71.7	19.5	73 E	62*	31*
4 1	5 39.49	+30 0.3	0.599	1.018	71.0	19.5	74 E	63*	31*
4 6	6 9.09	+31 29.4	0.596	1.033	70.0	19.5	76 E	65*	30*
4 11	6 39.98	+32 32.4	0.596	1.051	68.7	19.5	78 E	66*	30*
4 16	7 11.65	+33 5.8	0.600	1.071	67.1	19.5	79 E	67*	30*
4 21	7 43.45	+33 8.0	0.608	1.093	65.4	19.5	81 E	68*	31*
4 26	8 14.69	+32 39.6	0.621	1.117	63.4	19.6	83 E	69*	31
5 1	8 44.78	+31 43.2	0.639	1.142	61.4	19.6	85 E	68*	32
5 6	9 13.27	+30 22.8	0.661	1.169	59.4	19.7	86 E	68*	34
5 11	9 39.91	+28 43.3	0.687	1.197	57.5	19.7	88 E	67*	35
5 16	10 4.61	+26 49.8	0.717	1.226	55.5	19.8	89 E	65*	37
5 21	10 27.41	+24 46.7	0.752	1.255	53.7	19.9	90 E	63*	39
5 26	10 48.43	+22 37.9	0.790	1.286	52.0	20.1	90 E	60*	41
5 31	11 7.81	+20 26.8	0.832	1.316	50.4	20.2	90 E	58*	44
6 5	11 25.75	+18 15.4	0.877	1.348	48.8	20.3	91 E	55*	46
6 10	11 42.45	+16 5.6	0.925	1.379	47.4	20.4	90 E	53*	48
6 15	11 58.09	+13 58.5	0.977	1.410	46.1	20.5	90 E	50*	50
6 20	12 12.80	+11 54.9	1.031	1.442	44.8	20.7	90 E	47*	52
6 25	12 26.72	+ 9 55.5	1.088	1.473	43.6	20.8	89 E	45*	54
6 30	12 39.98	+ 8 0.5	1.147	1.504	42.5	20.9	88 E	42*	56
7 5	12 52.66	+ 6 9.9	1.208	1.535	41.4	21.1	87 E	40*	58
7 10	13 4.88	+ 4 23.8	1.271	1.566	40.3	21.2	86 E	38*	60
7 15	13 16.71	+ 2 42.2	1.336	1.596	39.3	21.3	84 E	36*	61*
7 20	13 28.20	+ 1 5.0	1.402	1.626	38.3	21.4	83 E	34*	63*

515013 2009 SN_{69}

12 27	0 43.14	+ 0 13.8	1.460	1.824	32.5	21.5	95 E	45	60*
1 6	1 0.32	+ 2 17.0	1.585	1.854	32.0	21.7	89 E	47	55*
1 16	1 18.21	+ 4 21.1	1.715	1.884	31.3	21.9	84 E	49	50*
1 26	1 36.68	+ 6 24.0	1.847	1.917	30.3	22.1	79 E	51*	46*
2 5	1 55.62	+ 8 23.8	1.980	1.950	29.0	22.2	74 E	52*	42*

183230 2002 TC_{58}

12 27	0 43.49	−18 45.6	1.622	1.853	32.0	18.3	87 E	26	75*
1 1	0 52.45	−17 8.9	1.686	1.875	31.5	18.4	85 E	28	71*
1 6	1 1.42	−15 33.1	1.752	1.897	30.9	18.5	83 E	29	68*
1 11	1 10.40	−13 58.5	1.819	1.920	30.3	18.6	81 E	31	65*
1 16	1 19.39	−12 25.2	1.886	1.943	29.7	18.7	78 E	33	62*
1 26	1 37.40	− 9 23.9	2.024	1.989	28.4	18.9	74 E	36*	56*
2 5	1 55.44	− 6 30.8	2.165	2.037	26.9	19.0	69 E	37*	52*
2 15	2 13.52	− 3 47.1	2.307	2.085	25.4	19.2	65 E	38*	47*
2 25	2 31.66	− 1 13.7	2.448	2.134	23.7	19.3	60 E	37*	43*
3 7	2 49.82	+ 1 8.7	2.589	2.183	22.0	19.4	55 E	35*	39*
3 17	3 8.02	+ 3 19.8	2.728	2.232	20.1	19.5	51 E	32*	36*
3 27	3 26.25	+ 5 19.2	2.862	2.281	18.3	19.6	46 E	28*	33*
4 6	3 44.46	+ 7 6.9	2.992	2.330	16.4	19.7	41 E	23*	29*
4 16	4 2.65	+ 8 42.7	3.115	2.379	14.4	19.8	36 E	19*	26*
4 26	4 20.78	+10 6.8	3.230	2.427	12.4	19.8	31 E	13*	23*
5 6	4 38.80	+11 19.5	3.337	2.475	10.5	19.9	26 E	8*	19*
5 16	4 56.69	+12 20.9	3.434	2.523	8.5	19.9	22 E	3*	15*
5 26	5 14.39	+13 11.4	3.521	2.569	6.6	19.9	17 E	—	11*
6 5	5 31.86	+13 51.6	3.595	2.616	5.0	19.9	13 E	—	6*
6 15	5 49.04	+14 21.9	3.657	2.661	3.7	19.9	10 E	—	1*
6 25	6 5.88	+14 42.8	3.706	2.706	3.3	19.9	9 W	—	—
7 5	6 22.32	+14 55.2	3.741	2.750	4.1	20.0	11 W	—	5*
7 15	6 38.32	+14 59.7	3.761	2.794	5.5	20.2	15 W	—	9*
7 25	6 53.80	+14 57.0	3.766	2.837	7.2	20.3	20 W	4*	14*
8 4	7 8.70	+14 48.1	3.757	2.878	8.9	20.4	26 W	10*	18*
8 14	7 22.97	+14 33.9	3.732	2.920	10.5	20.5	32 W	16*	21*
8 24	7 36.52	+14 15.4	3.693	2.960	12.1	20.5	38 W	23*	25*
9 3	7 49.27	+13 53.7	3.639	2.999	13.6	20.6	44 W	30*	28*
9 13	8 1.13	+13 30.0	3.571	3.038	14.9	20.6	51 W	36*	32*
9 23	8 11.99	+13 5.6	3.490	3.075	16.0	20.6	58 W	42*	35*
10 3	8 21.74	+12 41.8	3.397	3.112	17.0	20.6	65 W	48*	38*
10 13	8 30.21	+12 20.3	3.294	3.148	17.6	20.6	73 W	53*	42*
10 23	8 37.26	+12 2.7	3.183	3.183	18.0	20.6	81 W	56*	45*
11 2	8 42.70	+11 50.8	3.068	3.217	18.0	20.5	90 W	57	48*
11 12	8 46.32	+11 46.5	2.951	3.251	17.5	20.4	99 W	57	51*
11 22	8 47.95	+11 51.6	2.836	3.283	16.6	20.3	108 W	57	52*

20/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
	h m	° ′			°	m	°	°	°
183230 2002 TC_{58} *(continuation)*									
12 2	8 47.44	+12 7.6	2.728	3.315	15.1	20.2	119 W	57	52
12 12	8 44.67	+12 35.6	2.632	3.345	13.1	20.1	129 W	58	51
12 22	8 39.73	+13 15.6	2.554	3.375	10.6	19.9	141 W	58	51
1 1	8 32.83	+14 6.5	2.499	3.404	7.6	19.8	153 W	59	50
1 11	8 24.44	+15 5.5	2.472	3.432	4.2	19.6	165 W	60	49
1 21	8 15.26	+16 9.0	2.477	3.459	1.1	19.4	176 W	61	48
6239 Minos									
12 27	0 44.27	+10 19.7	1.143	1.618	36.9	21.3	99 E	55	51*
1 6	0 55.64	+11 9.1	1.245	1.607	37.7	21.5	92 E	56	47*
1 16	1 9.18	+12 12.4	1.342	1.591	38.0	21.7	85 E	57	43*
1 26	1 24.57	+13 26.4	1.433	1.570	37.9	21.8	79 E	58*	39*
2 5	1 41.57	+14 47.8	1.516	1.545	37.6	21.9	73 E	57*	35*
357635 2005 GW_8									
12 27	0 44.32	+ 2 33.7	1.732	2.076	28.1	20.6	96 E	48	58*
1 6	0 55.44	+ 1 55.3	1.818	2.035	28.9	20.7	88 E	47	55*
1 16	1 8.57	+ 1 38.9	1.902	1.995	29.1	20.8	81 E	47	51*
1 26	1 23.49	+ 1 40.4	1.982	1.956	29.0	20.8	74 E	46*	47*
2 5	1 39.96	+ 1 55.9	2.055	1.918	28.5	20.8	68 E	45*	43*
2 15	1 57.85	+ 2 22.0	2.122	1.881	27.7	20.8	62 E	42*	40*
2 25	2 17.04	+ 2 55.6	2.182	1.846	26.8	20.8	57 E	39*	38*
3 7	2 37.44	+ 3 33.5	2.234	1.812	25.8	20.8	53 E	35*	35*
3 17	2 58.99	+ 4 13.1	2.279	1.781	24.7	20.8	48 E	31*	34*
3 27	3 21.63	+ 4 51.7	2.316	1.753	23.6	20.8	45 E	27*	32*
4 6	3 45.31	+ 5 26.8	2.348	1.727	22.5	20.7	41 E	22*	31*
4 16	4 9.98	+ 5 56.2	2.374	1.704	21.4	20.7	38 E	18*	29*
4 26	4 35.57	+ 6 17.6	2.397	1.684	20.4	20.6	36 E	13*	28*
5 6	5 1.98	+ 6 29.2	2.416	1.668	19.4	20.6	33 E	9*	27*
5 16	5 29.12	+ 6 29.3	2.433	1.656	18.5	20.6	31 E	4*	25*
5 26	5 56.85	+ 6 16.7	2.450	1.647	17.7	20.6	30 E	—	24*
6 5	6 25.01	+ 5 50.7	2.468	1.643	16.9	20.5	28 E	—	22*
6 15	6 53.46	+ 5 10.8	2.488	1.642	16.0	20.5	27 E	—	20*
6 25	7 21.99	+ 4 17.3	2.509	1.646	15.2	20.5	25 E	—	17*
7 5	7 50.46	+ 3 11.2	2.534	1.654	14.3	20.5	24 E	—	15*
7 15	8 18.71	+ 1 53.6	2.562	1.665	13.3	20.5	22 E	—	12*
7 25	8 46.60	+ 0 26.2	2.593	1.680	12.3	20.5	21 E	—	9*
8 4	9 14.03	− 1 9.0	2.626	1.699	11.2	20.5	19 E	—	6*
8 14	9 40.94	− 2 50.1	2.661	1.721	10.1	20.6	17 E	—	3*
8 24	10 7.26	− 4 35.0	2.697	1.746	9.1	20.6	16 W	—	2*
9 3	10 32.98	− 6 21.5	2.733	1.774	8.2	20.6	14 W	—	3*
9 13	10 58.11	− 8 7.9	2.767	1.805	7.5	20.6	14 W	—	5*
9 23	11 22.63	− 9 52.4	2.798	1.838	7.3	20.7	14 W	—	7*
10 3	11 46.57	−11 33.4	2.825	1.872	7.6	20.8	14 W	—	8*
10 13	12 9.95	−13 9.5	2.846	1.909	8.4	20.9	16 W	1*	10*
10 23	12 32.77	−14 39.3	2.860	1.947	9.6	21.0	19 W	4*	12*
11 2	12 55.03	−16 1.9	2.866	1.986	11.0	21.1	23 W	8*	15*
11 12	13 16.73	−17 16.1	2.862	2.026	12.6	21.2	27 W	11*	18*
11 22	13 37.82	−18 20.9	2.849	2.067	14.3	21.3	31 W	15*	21*
12 2	13 58.25	−19 15.5	2.824	2.109	16.0	21.3	36 W	17*	26*
12 12	14 17.95	−19 59.3	2.789	2.150	17.6	21.4	41 W	19*	30*
12 22	14 36.82	−20 31.4	2.742	2.193	19.2	21.5	47 W	21*	36*
145656 4788 *P–L*									
12 27	0 44.53	− 3 36.6	2.198	2.460	23.5	21.2	93 E	41	64*
1 6	0 54.42	− 2 26.1	2.392	2.522	22.9	21.4	86 E	43	58*
1 16	1 5.16	− 1 11.3	2.586	2.583	21.9	21.6	79 E	44	52*
1 26	1 16.59	+ 0 5.9	2.777	2.642	20.7	21.8	72 E	44*	47*
2 5	1 28.56	+ 1 24.0	2.963	2.700	19.3	21.9	65 E	43*	41*
476807 2008 UP_{188}									
12 27	0 45.47	+ 0 5.3	1.763	2.093	27.9	21.0	95 E	45	61*
1 6	0 56.92	+ 2 43.7	1.920	2.135	27.4	21.2	89 E	48	54*
1 16	1 9.49	+ 5 15.0	2.079	2.177	26.6	21.4	82 E	50	48*
1 26	1 22.98	+ 7 39.7	2.240	2.219	25.5	21.6	76 E	52*	43*
2 5	1 37.22	+ 9 57.6	2.400	2.262	24.2	21.7	70 E	52*	37*
329275 1999 VP_6									
12 27	0 46.29	− 2 2.2	0.670	1.232	52.7	21.4	94 E	43	63*
1 1	1 5.50	− 1 9.7	0.713	1.255	51.4	21.6	94 E	44	61*
1 6	1 23.55	− 0 15.9	0.758	1.279	50.1	21.7	94 E	45	60*
1 11	1 40.61	+ 0 38.6	0.806	1.302	49.0	21.8	93 E	46	59*
1 16	1 56.82	+ 1 33.3	0.856	1.325	47.9	22.0	92 E	47	58*
241649 2000 EC_{140}									
12 27	0 47.01	− 3 46.8	2.008	2.295	25.3	21.2	94 E	41	64*
1 6	0 56.74	− 1 59.7	2.158	2.320	25.0	21.4	87 E	43	58*
1 16	1 7.77	− 0 10.3	2.309	2.345	24.4	21.5	80 E	45	52*
1 26	1 19.87	+ 1 39.9	2.458	2.369	23.4	21.6	73 E	46*	46*
2 5	1 32.87	+ 3 29.7	2.603	2.392	22.3	21.7	67 E	46*	41*

20/21	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
	h m	° ′			°	m	°	°	°
159898 2004 TO_{216}									
12 27	0 47.24	+ 8 6.0	1.723	2.108	27.5	20.8	99 E	53	53*
1 6	0 59.68	+ 9 7.9	1.873	2.140	27.3	21.0	92 E	54	49*
1 16	1 13.27	+10 16.9	2.024	2.172	26.8	21.2	85 E	55	45*
1 26	1 27.80	+11 30.9	2.176	2.204	26.0	21.4	79 E	56*	41*
2 5	1 43.10	+12 47.6	2.325	2.235	24.9	21.5	72 E	55*	36*
417217 2005 YS									
12 27	0 47.38	+47 41.8	0.226	1.085	57.8	18.6	111 E	87	15*
12 29	0 49.14	+44 4.5	0.232	1.080	59.5	18.7	109 E	89	19*
12 31	0 50.97	+40 38.3	0.237	1.075	61.2	18.8	107 E	86	21*
1 2	0 52.85	+37 23.4	0.244	1.070	63.0	18.9	104 E	82	24*
1 4	0 54.75	+34 20.1	0.251	1.063	64.8	19.0	102 E	79	27*
1 6	0 56.67	+31 28.1	0.259	1.056	66.7	19.1	99 E	76	29*
1 11	1 1.43	+25 5.1	0.279	1.037	71.3	19.4	93 E	70	33*
1 16	1 5.99	+19 40.6	0.301	1.014	75.7	19.7	87 E	65	36*
1 21	1 10.14	+15 3.0	0.323	0.987	80.0	19.9	81 E	60*	38*
1 26	1 13.65	+11 0.5	0.344	0.956	84.4	20.1	75 E	55*	39*
1 31	1 16.26	+ 7 23.0	0.365	0.922	88.9	20.4	69 E	50*	38*
2 5	1 17.67	+ 4 2.3	0.383	0.884	93.8	20.6	63 E	45*	38*
2 10	1 17.52	+ 0 52.1	0.401	0.841	99.1	20.8	57 E	39*	36*
2 15	1 15.32	− 2 12.7	0.417	0.794	105.0	21.1	51 E	33*	34*
2 20	1 10.47	− 5 14.8	0.433	0.743	111.8	21.4	44 E	27*	31*
268782 2006 TB_{49}									
12 27	0 47.46	+ 9 54.4	1.217	1.684	35.2	20.7	99 E	55	52*
1 6	1 6.61	+11 24.9	1.315	1.698	35.3	20.9	94 E	56	48*
1 16	1 26.99	+13 0.2	1.418	1.714	35.0	21.1	89 E	58	44*
1 26	1 48.38	+14 37.4	1.525	1.733	34.4	21.2	84 E	60*	41*
2 5	2 10.58	+16 13.3	1.634	1.754	33.6	21.4	80 E	60*	38*
259698 2003 YJ_{23}									
12 27	0 48.04	+ 1 39.9	1.493	1.876	31.4	21.1	96 E	47	59*
1 6	0 59.62	+ 3 6.3	1.568	1.841	32.3	21.2	89 E	48	54*
1 16	1 13.53	+ 4 45.2	1.641	1.807	32.7	21.2	83 E	50	49*
1 26	1 29.53	+ 6 33.7	1.711	1.775	32.7	21.3	77 E	51*	45*
2 5	1 47.40	+ 8 28.8	1.778	1.744	32.5	21.3	72 E	52*	40*
2 15	2 7.01	+10 27.7	1.841	1.715	32.0	21.4	67 E	50*	37*
2 25	2 28.25	+12 27.4	1.899	1.688	31.3	21.4	62 E	48*	34*
3 7	2 51.02	+14 24.9	1.954	1.663	30.5	21.4	58 E	46*	31*
3 17	3 15.27	+16 17.0	2.006	1.641	29.6	21.4	54 E	43*	29*
3 27	3 40.92	+18 0.6	2.054	1.622	28.5	21.4	51 E	40*	27*
4 6	4 7.88	+19 32.5	2.100	1.605	27.4	21.4	48 E	36*	26*
4 16	4 36.03	+20 49.5	2.144	1.592	26.2	21.4	45 E	33*	25*
4 26	5 5.21	+21 48.9	2.187	1.583	25.0	21.3	42 E	29*	24*
5 6	5 35.19	+22 28.2	2.229	1.577	23.7	21.3	39 E	25*	23*
5 16	6 5.73	+22 45.9	2.272	1.574	22.3	21.3	36 E	22*	22*
5 26	6 36.56	+22 40.8	2.314	1.576	20.9	21.3	34 E	18*	21*
6 5	7 7.37	+22 12.9	2.357	1.581	19.5	21.3	31 E	15*	20*
6 15	7 37.91	+21 22.9	2.401	1.589	18.0	21.3	29 E	12*	19*
6 25	8 7.95	+20 12.3	2.446	1.601	16.4	21.3	26 E	9*	18*
7 5	8 37.30	+18 43.1	2.492	1.617	14.8	21.4	24 E	6*	16*
7 15	9 5.85	+16 58.0	2.539	1.635	13.1	21.4	21 E	4*	14*
7 25	9 33.53	+14 59.5	2.585	1.657	11.4	21.4	19 E	2*	12*
8 4	10 0.33	+12 50.7	2.632	1.681	9.7	21.4	16 E	1*	10*
8 14	10 26.28	+10 34.0	2.677	1.707	7.9	21.4	13 E	—	7*
8 24	10 51.42	+ 8 12.2	2.721	1.736	6.0	21.3	10 E	—	4*
9 3	11 15.82	+ 5 47.7	2.762	1.766	4.1	21.3	7 E	—	1*
9 13	11 39.56	+ 3 22.5	2.801	1.798	2.2	21.3	4 E	—	—
9 23	12 2.70	+ 0 58.7	2.835	1.831	0.7	21.2	1 E	—	—
10 3	12 25.33	− 1 22.1	2.864	1.866	1.9	21.4	4 W	—	—
215144 1999 UV_{51}									
12 27	0 48.23	− 6 31.9	1.491	1.829	32.5	19.8	93 E	38	67*
1 6	1 1.31	− 2 26.9	1.617	1.857	31.9	20.0	88 E	43	59*
1 16	1 15.54	+ 1 21.9	1.749	1.887	31.1	20.2	82 E	46	52*
1 26	1 30.76	+ 4 55.3	1.884	1.918	30.0	20.4	77 E	50*	46*
2 5	1 46.80	+ 8 14.2	2.020	1.949	28.7	20.5	72 E	51*	40*
2 15	2 3.61	+11 19.2	2.157	1.981	27.2	20.7	66 E	51*	35*
2 25	2 21.11	+14 11.0	2.292	2.014	25.6	20.8	61 E	49*	31*
3 7	2 39.22	+16 49.8	2.424	2.047	23.8	20.9	56 E	46*	27*
3 17	2 57.93	+19 16.2	2.552	2.081	21.9	21.0	51 E	42*	24*
3 27	3 17.19	+21 30.2	2.675	2.115	20.0	21.1	46 E	38*	21*
4 6	3 36.94	+23 31.8	2.792	2.148	18.0	21.1	42 E	33*	18*
4 16	3 57.16	+25 21.3	2.902	2.182	16.0	21.2	37 E	29*	15*
4 26	4 17.79	+26 58.5	3.003	2.215	13.9	21.2	32 E	24*	12*
5 6	4 38.76	+28 23.5	3.096	2.249	11.9	21.2	27 E	20*	9*
5 16	5 0.02	+29 36.5	3.180	2.282	9.9	21.2	23 E	15*	6*
5 26	5 21.48	+30 37.6	3.253	2.314	8.0	21.2	18 E	12*	3*
6 5	5 43.06	+31 27.1	3.315	2.347	6.2	21.2	14 E	8*	—
6 15	6 4.68	+32 5.4	3.366	2.378	4.8	21.2	11 E	5*	—
6 25	6 26.24	+32 33.1	3.406	2.409	4.0	21.2	10 E	3*	—

215144 1999 UV_{51} *(continuation)*

20/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
	h m	° ′			°	m	°	°	°
7 5	6 47.66	+32 50.9	3.434	2.440	4.2	21.3	10 W	3*	—
7 15	7 8.84	+32 59.6	3.449	2.470	5.3	21.4	13 W	7*	—
7 25	7 29.69	+33 0.2	3.453	2.499	6.8	21.5	17 W	11*	—

279712 2011 GY_{46}

12 27	0 48.56	+12 22.6	1.569	1.998	28.9	19.3	101 E	57	49*
1 6	1 1.50	+14 15.9	1.716	2.037	28.8	19.5	94 E	59	45*
1 16	1 15.76	+16 7.3	1.866	2.076	28.3	19.7	88 E	61	40*
1 26	1 31.12	+17 56.3	2.019	2.116	27.4	19.9	82 E	63*	36*
2 5	1 47.39	+19 42.2	2.171	2.156	26.3	20.0	76 E	62*	32*
2 15	2 4.44	+21 24.2	2.323	2.197	25.0	20.2	70 E	60*	28*
2 25	2 22.16	+23 1.6	2.473	2.238	23.6	20.3	65 E	56*	25*
3 7	2 40.45	+24 33.6	2.619	2.279	22.0	20.4	59 E	52*	22*
3 17	2 59.25	+25 59.4	2.760	2.319	20.3	20.5	54 E	47*	20*
3 27	3 18.47	+27 18.4	2.896	2.360	18.5	20.6	49 E	42*	17*
4 6	3 38.04	+28 30.0	3.025	2.400	16.7	20.7	44 E	37*	15*
4 16	3 57.91	+29 33.7	3.146	2.441	14.8	20.8	38 E	31*	12*
4 26	4 17.99	+30 29.1	3.258	2.480	12.9	20.8	33 E	26*	10*
5 6	4 38.21	+31 15.8	3.361	2.519	11.0	20.8	28 E	21*	8*
5 16	4 58.49	+31 53.8	3.453	2.558	9.1	20.8	24 E	17*	5*
5 26	5 18.75	+32 23.2	3.534	2.596	7.2	20.8	19 E	12*	2*
6 5	5 38.90	+32 43.9	3.604	2.634	5.6	20.8	15 E	8*	—
6 15	5 58.86	+32 56.4	3.660	2.671	4.2	20.8	11 E	5*	—
6 25	6 18.54	+33 1.2	3.704	2.707	3.6	20.8	10 E	2*	—
7 5	6 37.87	+32 58.7	3.735	2.743	4.0	20.9	11 W	5*	—
7 15	6 56.78	+32 49.8	3.751	2.778	5.2	21.0	14 W	8*	—
7 25	7 15.18	+32 35.2	3.754	2.812	6.7	21.1	19 W	13*	—
8 4	7 33.00	+32 16.0	3.743	2.846	8.3	21.2	24 W	18*	3*
8 14	7 50.20	+31 53.1	3.718	2.879	10.0	21.3	29 W	23*	6*
8 24	8 6.68	+31 27.9	3.678	2.911	11.5	21.4	35 W	29*	9*
9 3	8 22.40	+31 1.4	3.625	2.942	13.0	21.4	41 W	35*	11*
9 13	8 37.26	+30 35.3	3.559	2.972	14.4	21.4	47 W	41*	14*
9 23	8 51.19	+30 10.8	3.481	3.002	15.7	21.5	54 W	47*	16*
10 3	9 4.09	+29 49.7	3.391	3.031	16.7	21.5	61 W	54*	19*
10 13	9 15.83	+29 33.5	3.291	3.058	17.6	21.4	68 W	61*	22*
10 23	9 26.27	+29 24.0	3.183	3.086	18.2	21.4	75 W	67*	24*
11 2	9 35.23	+29 22.9	3.069	3.112	18.5	21.4	83 W	72*	27*
11 12	9 42.52	+29 31.8	2.952	3.137	18.4	21.3	91 W	75	30*
11 22	9 47.87	+29 52.0	2.834	3.162	17.9	21.2	100 W	75	32*
12 2	9 51.06	+30 24.3	2.720	3.186	17.0	21.1	109 W	75	33*
12 12	9 51.79	+31 8.4	2.613	3.208	15.6	21.0	119 W	76	33
12 22	9 49.88	+32 2.5	2.519	3.231	13.7	20.8	129 W	77	32
1 1	9 45.22	+33 3.1	2.443	3.252	11.4	20.7	139 W	78	31
1 11	9 37.95	+34 4.9	2.389	3.272	8.9	20.6	149 W	79	30
1 21	9 28.51	+35 0.9	2.362	3.291	6.6	20.5	157 W	80	29

8256 Shenzhou

12 27	0 48.75	+ 6 34.1	1.203	1.661	35.9	16.7	98 E	52	55*
1 6	1 4.64	+ 8 58.1	1.285	1.655	36.4	16.8	93 E	54	50*
1 16	1 22.60	+11 24.8	1.369	1.652	36.5	17.0	88 E	56	45*
1 26	1 42.38	+13 51.5	1.454	1.651	36.3	17.1	83 E	59*	41*
2 5	2 3.74	+16 15.1	1.541	1.653	35.7	17.2	78 E	60*	37*
2 15	2 26.55	+18 32.7	1.628	1.657	35.0	17.3	74 E	60*	34*
2 25	2 50.66	+20 41.4	1.717	1.665	34.0	17.4	70 E	58*	31*
3 7	3 15.92	+22 38.5	1.805	1.675	32.9	17.5	66 E	56*	29*
3 17	3 42.19	+24 21.5	1.894	1.687	31.6	17.6	63 E	53*	27*
3 27	4 9.33	+25 48.2	1.984	1.701	30.2	17.6	59 E	50*	26*
4 6	4 37.11	+26 56.7	2.073	1.718	28.7	17.7	56 E	46*	25*
4 16	5 5.35	+27 45.9	2.162	1.737	27.1	17.8	52 E	42*	24*
4 26	5 33.82	+28 14.9	2.251	1.758	25.5	17.9	49 E	38*	23*
5 6	6 2.25	+28 23.6	2.338	1.780	23.8	17.9	45 E	34*	23*
5 16	6 30.45	+28 12.5	2.425	1.803	22.0	18.0	42 E	30*	22*
5 26	6 58.20	+27 42.5	2.509	1.828	20.2	18.0	38 E	25*	21*
6 5	7 25.32	+26 55.0	2.592	1.855	18.3	18.1	35 E	21*	20*
6 15	7 51.71	+25 51.6	2.671	1.882	16.4	18.1	32 E	17*	19*
6 25	8 17.27	+24 34.2	2.747	1.910	14.5	18.1	28 E	13*	17*
7 5	8 41.97	+23 4.7	2.819	1.938	12.5	18.1	24 E	10*	15*
7 15	9 5.79	+21 24.9	2.886	1.967	10.5	18.1	21 E	7*	12*
7 25	9 28.76	+19 36.7	2.947	1.997	8.5	18.1	17 E	5*	9*
8 4	9 50.91	+17 42.0	3.002	2.026	6.5	18.1	13 E	3*	5*
8 14	10 12.31	+15 42.2	3.049	2.056	4.6	18.1	9 E	1*	2*
8 24	10 32.99	+13 38.9	3.089	2.086	2.8	18.0	6 E	—	—
9 3	10 53.03	+11 33.5	3.121	2.116	2.0	18.0	4 E	—	—
9 13	11 12.48	+ 9 27.1	3.143	2.145	2.9	18.1	6 W	—	—
9 23	11 31.37	+ 7 21.0	3.155	2.174	4.7	18.3	10 W	4*	—
10 3	11 49.78	+ 5 16.3	3.157	2.203	6.6	18.4	15 W	9*	—
10 13	12 7.71	+ 3 13.8	3.148	2.232	8.6	18.5	19 W	13*	4*
10 23	12 25.19	+ 1 14.7	3.128	2.260	10.5	18.6	24 W	18*	7*
11 2	12 42.22	− 0 40.4	3.096	2.288	12.4	18.7	30 W	22*	11*
11 12	12 58.79	− 2 30.6	3.053	2.315	14.3	18.8	35 W	26*	16*
11 22	13 14.85	− 4 15.1	2.998	2.341	16.0	18.8	41 W	30*	21*
12 2	13 30.37	− 5 53.3	2.932	2.367	17.7	18.8	47 W	32*	27*

8256 Shenzhou *(continued)*

12 12	13 45.24	− 7 24.5	2.854	2.392	19.2	18.8	53 W	34*	33*
12 22	13 59.36	− 8 48.1	2.767	2.417	20.5	18.8	59 W	35*	40*
1 1	14 12.59	−10 3.8	2.670	2.440	21.6	18.8	66 W	35*	48*
1 11	14 24.74	−11 11.0	2.566	2.463	22.4	18.8	73 W	34*	56*
1 21	14 35.59	−12 9.6	2.455	2.485	23.0	18.7	80 W	33	64*

4450 Pan

12 27	0 49.12	+12 45.0	1.690	2.108	27.3	21.1	101 E	58	49*
1 6	0 57.86	+13 4.5	1.856	2.142	27.3	21.3	93 E	58	46*
1 16	1 8.17	+13 37.4	2.021	2.172	26.8	21.5	85 E	59	41*
1 26	1 19.74	+14 20.8	2.183	2.198	26.0	21.7	78 E	59*	37*
2 5	1 32.33	+15 11.8	2.339	2.221	24.8	21.8	71 E	57*	33*

468025 2013 MN_6

12 27	0 49.34	+19 41.9	1.490	1.965	29.1	20.8	103 E	65	43*
1 6	1 5.23	+19 49.9	1.627	2.001	29.2	21.0	97 E	65	40*
1 16	1 22.09	+20 10.4	1.770	2.036	28.9	21.3	91 E	65	38*
1 26	1 39.71	+20 40.4	1.915	2.072	28.2	21.4	85 E	66*	35*
2 5	1 57.91	+21 16.8	2.062	2.107	27.3	21.6	79 E	64*	32*

474554 2003 YQ_{94}

12 27	0 49.47	+13 36.5	0.693	1.308	47.5	19.1	101 E	59	48*
1 1	1 11.85	+14 36.0	0.745	1.347	45.7	19.2	102 E	60	47*
1 6	1 32.64	+15 27.5	0.801	1.386	44.0	19.4	101 E	60	47*
1 11	1 51.99	+16 12.5	0.862	1.426	42.6	19.6	101 E	61	46*
1 16	2 10.06	+16 51.9	0.927	1.467	41.3	19.8	100 E	62	45*
1 21	2 27.00	+17 26.8	0.996	1.508	40.1	20.0	99 E	62	45*
1 26	2 42.95	+17 57.9	1.068	1.549	39.0	20.1	98 E	63	44*
1 31	2 58.04	+18 25.6	1.144	1.590	38.0	20.3	96 E	63	43*
2 5	3 12.39	+18 50.4	1.222	1.632	37.0	20.5	95 E	64	43*
2 10	3 26.10	+19 12.5	1.303	1.673	36.1	20.7	93 E	64	42*
2 15	3 39.27	+19 32.3	1.387	1.715	35.2	20.8	91 E	65	42*
2 20	3 51.97	+19 49.9	1.472	1.756	34.3	21.0	89 E	65*	41*
2 25	4 4.25	+20 5.4	1.559	1.797	33.3	21.1	87 E	65*	41*
3 2	4 16.17	+20 18.8	1.648	1.838	32.4	21.3	84 E	64*	40*
3 7	4 27.76	+20 30.1	1.738	1.879	31.5	21.4	82 E	63*	40*

175943 2000 GE_1

12 27	0 49.88	−20 12.8	1.797	2.015	29.2	20.0	88 E	25	77*
1 6	1 3.48	−17 58.6	1.942	2.056	28.3	20.2	82 E	27	70*
1 16	1 17.77	−15 43.5	2.086	2.095	27.2	20.3	77 E	29	63*
1 26	1 32.63	−13 29.3	2.229	2.133	26.0	20.5	72 E	31*	58*
2 5	1 47.95	−11 17.8	2.368	2.170	24.6	20.6	66 E	32*	52*
2 15	2 3.67	− 9 10.2	2.503	2.206	23.1	20.7	61 E	32*	48*
2 25	2 19.74	− 7 7.7	2.634	2.241	21.6	20.8	56 E	30*	44*
3 7	2 36.09	− 5 11.4	2.758	2.274	19.9	20.9	51 E	28*	40*
3 17	2 52.69	− 3 22.1	2.875	2.306	18.2	21.0	47 E	24*	36*
3 27	3 9.51	− 1 40.5	2.984	2.337	16.5	21.0	42 E	20*	33*
4 6	3 26.51	− 0 7.3	3.085	2.367	14.8	21.0	37 E	15*	30*
4 16	3 43.65	+ 1 17.1	3.176	2.395	13.1	21.1	33 E	10*	26*
4 26	4 0.90	+ 2 32.1	3.257	2.422	11.5	21.1	29 E	5*	23*
5 6	4 18.22	+ 3 37.5	3.327	2.448	10.0	21.1	25 E	—	19*
5 16	4 35.56	+ 4 32.9	3.386	2.472	8.6	21.1	21 E	—	15*
5 26	4 52.87	+ 5 18.3	3.433	2.495	7.5	21.1	19 E	—	10*
6 5	5 10.12	+ 5 53.6	3.468	2.517	6.8	21.1	17 E	—	5*
6 15	5 27.24	+ 6 18.7	3.491	2.537	6.7	21.1	17 W	—	3*
6 25	5 44.18	+ 6 33.9	3.500	2.556	7.2	21.2	18 W	—	8*
7 5	6 0.89	+ 6 39.3	3.497	2.573	8.1	21.2	21 W	—	13*
7 15	6 17.30	+ 6 35.3	3.481	2.589	9.3	21.3	24 W	—	18*
7 25	6 33.35	+ 6 22.1	3.451	2.604	10.7	21.3	28 W	1*	22*
8 4	6 48.97	+ 6 0.3	3.409	2.617	12.2	21.4	33 W	7*	27*
8 14	7 4.09	+ 5 30.3	3.353	2.629	13.7	21.4	38 W	13*	30*
8 24	7 18.63	+ 4 52.8	3.285	2.640	15.2	21.4	43 W	19*	34*
9 3	7 32.49	+ 4 8.7	3.205	2.649	16.6	21.4	49 W	25*	38*
9 13	7 45.59	+ 3 18.5	3.113	2.657	17.9	21.4	54 W	31*	41*
9 23	7 57.80	+ 2 23.5	3.010	2.663	19.1	21.4	60 W	36*	45*
10 3	8 8.99	+ 1 24.6	2.898	2.668	20.2	21.3	67 W	40*	49*
10 13	8 18.99	+ 0 23.2	2.777	2.671	21.0	21.3	74 W	43*	53*
10 23	8 27.62	− 0 39.0	2.650	2.674	21.5	21.2	81 W	44*	57*
11 2	8 34.65	− 1 40.1	2.517	2.674	21.8	21.1	88 W	43	61*
11 12	8 39.83	− 2 37.6	2.383	2.674	21.6	21.0	96 W	42	65*
11 22	8 42.87	− 3 28.4	2.249	2.672	21.0	20.8	104 W	42	67*
12 2	8 43.50	− 4 8.9	2.120	2.668	19.8	20.7	113 W	41	68
12 12	8 41.46	− 4 34.4	1.999	2.664	18.1	20.5	123 W	40	69
12 22	8 36.65	− 4 40.0	1.891	2.658	15.8	20.3	133 W	40	69
1 1	8 29.18	− 4 21.0	1.801	2.650	13.0	20.1	143 W	41	68
1 11	8 19.48	− 3 33.8	1.734	2.641	10.2	19.9	152 W	41	68
1 21	8 8.39	− 2 18.0	1.694	2.631	8.2	19.7	158 E	43	66

20/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
	h m	° ′			°	m	°	°	°
191759 2004 TA_{12}									
12 27	0 50.64	− 7 34.4	1.877	2.167	26.9	20.2	93 E	37	68*
1 6	1 3.55	− 6 19.0	2.040	2.212	26.3	20.4	87 E	39	62*
1 16	1 17.17	− 4 57.1	2.203	2.257	25.4	20.5	80 E	40	57*
1 26	1 31.39	− 3 31.4	2.365	2.301	24.3	20.7	74 E	41*	52*
2 5	1 46.08	− 2 4.2	2.525	2.346	23.0	20.9	68 E	41*	47*
2 15	2 1.16	− 0 37.2	2.681	2.390	21.5	21.0	62 E	40*	43*
2 25	2 16.56	+ 0 47.8	2.832	2.433	19.9	21.1	57 E	37*	39*
3 7	2 32.21	+ 2 9.6	2.976	2.476	18.2	21.2	51 E	33*	35*
3 17	2 48.08	+ 3 27.2	3.112	2.519	16.4	21.3	46 E	29*	32*
3 27	3 4.11	+ 4 39.5	3.239	2.560	14.6	21.3	40 E	24*	28*
4 6	3 20.25	+ 5 45.7	3.357	2.601	12.8	21.4	35 E	18*	25*
4 16	3 36.47	+ 6 45.2	3.464	2.641	10.9	21.4	30 E	13*	22*
4 26	3 52.71	+ 7 37.4	3.559	2.681	9.1	21.4	25 E	7*	18*
5 6	4 8.94	+ 8 21.9	3.642	2.720	7.5	21.4	20 E	1*	14*
5 16	4 25.09	+ 8 58.4	3.712	2.757	6.0	21.4	17 E	—	10*
5 26	4 41.13	+ 9 26.6	3.768	2.794	4.9	21.4	14 E	—	6*
6 5	4 56.98	+ 9 46.4	3.811	2.831	4.6	21.5	13 E	—	1*
228587 2002 AP_7									
12 27	0 50.86	−22 8.4	0.826	1.254	51.6	21.5	87 E	23	78*
1 1	1 2.04	−18 21.6	0.846	1.258	51.3	21.5	87 E	27	74*
1 6	1 13.22	−14 37.2	0.868	1.262	51.0	21.6	86 E	30	70*
1 11	1 24.44	−10 56.4	0.892	1.266	50.7	21.6	85 E	34	66*
1 16	1 35.75	− 7 20.6	0.918	1.271	50.3	21.7	84 E	38	62*
8566 1996 EN									
12 27	0 51.40	−37 40.5	1.357	1.548	38.9	19.5	81 E	7	74*
1 1	1 2.72	−36 1.5	1.417	1.577	37.9	19.6	80 E	9	74*
1 6	1 13.69	−34 22.1	1.477	1.605	36.9	19.7	79 E	11	73*
1 11	1 24.38	−32 42.5	1.536	1.633	36.0	19.8	77 E	12	71*
1 16	1 34.84	−31 3.3	1.595	1.660	35.1	19.9	76 E	14	70*
1 21	1 45.13	−29 24.7	1.654	1.686	34.2	19.9	75 E	16	68*
1 26	1 55.27	−27 47.1	1.713	1.712	33.4	20.0	73 E	17	67*
1 31	2 5.29	−26 10.8	1.771	1.737	32.6	20.1	72 E	19*	65*
2 5	2 15.22	−24 35.9	1.829	1.761	31.8	20.2	70 E	20*	63*
2 15	2 34.90	−21 31.7	1.943	1.807	30.3	20.3	67 E	22*	60*
2 25	2 54.44	−18 36.1	2.056	1.850	28.7	20.5	64 E	23*	56*
3 7	3 13.90	−15 50.6	2.166	1.890	27.2	20.6	61 E	23*	53*
3 17	3 33.37	−13 16.2	2.273	1.927	25.8	20.7	57 E	21*	50*
3 27	3 52.86	−10 54.1	2.377	1.962	24.3	20.8	54 E	19*	47*
4 6	4 12.39	− 8 44.8	2.476	1.993	22.8	20.9	50 E	16*	44*
4 16	4 31.97	− 6 48.8	2.570	2.022	21.2	20.9	47 E	12*	41*
4 26	4 51.58	− 5 6.6	2.659	2.048	19.7	21.0	43 E	8*	37*
5 6	5 11.21	− 3 38.1	2.741	2.071	18.2	21.0	40 E	3*	34*
5 16	5 30.84	− 2 23.4	2.816	2.091	16.7	21.0	36 E	—	30*
5 26	5 50.43	− 1 22.4	2.883	2.108	15.2	21.1	33 E	—	26*
6 5	6 9.95	− 0 34.8	2.941	2.123	13.8	21.1	30 E	—	22*
6 15	6 29.39	− 0 0.0	2.990	2.135	12.5	21.1	27 E	—	17*
6 25	6 48.70	+ 0 22.2	3.028	2.144	11.3	21.1	24 E	—	12*
7 5	7 7.86	+ 0 32.6	3.055	2.150	10.4	21.1	22 E	—	6*
7 15	7 26.84	+ 0 31.8	3.070	2.154	9.8	21.0	21 W	—	6*
7 25	7 45.63	+ 0 20.5	3.073	2.155	9.7	21.0	21 W	—	10*
8 4	8 4.20	− 0 0.4	3.064	2.153	10.0	21.0	22 W	—	13*
8 14	8 22.56	− 0 30.3	3.042	2.148	10.7	21.1	23 W	—	17*
8 24	8 40.67	− 1 8.1	3.007	2.141	11.8	21.1	26 W	1*	20*
9 3	8 58.56	− 1 52.8	2.958	2.131	13.2	21.1	29 W	6*	23*
9 13	9 16.22	− 2 43.7	2.896	2.118	14.8	21.1	33 W	12*	25*
9 23	9 33.65	− 3 39.4	2.820	2.102	16.6	21.1	37 W	17*	28*
10 3	9 50.86	− 4 38.9	2.731	2.084	18.4	21.0	41 W	21*	31*
10 13	10 7.86	− 5 41.0	2.630	2.062	20.3	21.0	46 W	25*	34*
10 23	10 24.65	− 6 44.0	2.516	2.038	22.2	20.9	51 W	29*	38*
11 2	10 41.26	− 7 46.5	2.391	2.011	24.1	20.8	56 W	32*	41*
11 12	10 57.67	− 8 46.6	2.255	1.982	26.0	20.7	61 W	34*	45*
11 22	11 13.90	− 9 41.8	2.110	1.949	27.8	20.6	67 W	35*	50*
12 2	11 29.97	−10 29.4	1.957	1.913	29.5	20.5	73 W	35*	55*
12 12	11 45.84	−11 5.8	1.797	1.875	31.0	20.3	79 W	34	60*
12 17	11 53.71	−11 18.3	1.715	1.855	31.7	20.2	82 W	34	63*
12 22	12 1.53	−11 26.2	1.632	1.834	32.3	20.0	85 W	34	66*
12 27	12 9.30	−11 28.5	1.549	1.812	32.9	19.9	88 W	34	69*
1 1	12 17.02	−11 24.3	1.465	1.789	33.3	19.8	92 W	34	71*
1 6	12 24.67	−11 12.3	1.381	1.766	33.7	19.6	95 W	34	73*
1 11	12 32.26	−10 51.2	1.298	1.742	33.9	19.5	99 W	34	74*
1 16	12 39.79	−10 19.1	1.215	1.718	34.0	19.3	102 W	35	74*
1 21	12 47.25	− 9 34.1	1.132	1.692	34.0	19.1	106 W	35	74
13819 1999 SX_5									
12 27	0 51.79	−25 30.8	1.351	1.616	37.4	16.8	86 E	19	79*
1 1	1 1.45	−23 42.5	1.383	1.615	37.3	16.9	84 E	21	76*
1 6	1 11.36	−21 51.3	1.415	1.616	37.1	16.9	83 E	23	73*
1 11	1 21.50	−19 57.8	1.448	1.617	36.9	16.9	81 E	25	70*

20/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
	h m	° ′			°	m	°	°	°
13819 1999 SX_5 *(continuation)*									
1 16	1 31.86	−18 2.5	1.482	1.620	36.6	17.0	79 E	27	67*
1 21	1 42.41	−16 6.0	1.516	1.623	36.3	17.0	78 E	29	65*
1 26	1 53.13	−14 9.1	1.551	1.627	36.0	17.1	76 E	31	62*
1 31	2 4.01	−12 12.1	1.588	1.632	35.6	17.1	75 E	33*	60*
2 5	2 15.03	−10 15.8	1.625	1.637	35.2	17.2	73 E	34*	58*
2 10	2 26.20	− 8 20.5	1.663	1.643	34.7	17.2	72 E	36*	55*
2 15	2 37.51	− 6 26.8	1.703	1.651	34.2	17.3	70 E	37*	53*
2 25	3 0.50	− 2 46.2	1.785	1.667	33.1	17.4	67 E	38*	50*
3 7	3 23.93	+ 0 42.1	1.871	1.686	31.9	17.4	64 E	39*	46*
3 17	3 47.76	+ 3 55.4	1.962	1.708	30.5	17.5	61 E	38*	43*
3 27	4 11.95	+ 6 51.1	2.057	1.732	29.0	17.6	57 E	36*	40*
4 6	4 36.40	+ 9 27.6	2.154	1.759	27.3	17.7	54 E	34*	38*
4 16	5 1.06	+11 43.9	2.253	1.787	25.6	17.8	50 E	31*	35*
4 26	5 25.83	+13 39.4	2.354	1.817	23.7	17.9	47 E	27*	33*
5 6	5 50.59	+15 14.1	2.454	1.848	21.8	17.9	43 E	23*	31*
5 16	6 15.27	+16 28.7	2.553	1.881	19.8	18.0	39 E	19*	28*
5 26	6 39.76	+17 23.9	2.650	1.914	17.8	18.1	35 E	15*	25*
6 5	7 3.95	+18 0.9	2.743	1.948	15.7	18.1	31 E	11*	23*
6 15	7 27.78	+18 21.0	2.832	1.983	13.5	18.1	27 E	8*	19*
6 25	7 51.16	+18 25.8	2.915	2.019	11.4	18.1	23 E	5*	16*
7 5	8 14.03	+18 17.0	2.991	2.055	9.2	18.2	19 E	2*	12*
7 15	8 36.38	+17 56.2	3.059	2.090	7.0	18.1	14 E	—	8*
7 25	8 58.16	+17 25.0	3.119	2.126	4.8	18.1	10 E	—	4*
8 4	9 19.38	+16 45.3	3.170	2.162	2.6	18.1	6 E	—	—
8 14	9 40.02	+15 58.5	3.210	2.198	1.0	18.0	2 E	—	—
8 24	10 0.10	+15 6.4	3.239	2.233	2.2	18.1	5 W	—	—
9 3	10 19.63	+14 10.5	3.257	2.269	4.2	18.3	9 W	3*	—
9 13	10 38.62	+13 12.4	3.264	2.303	6.3	18.5	15 W	8*	—
9 23	10 57.08	+12 13.7	3.257	2.337	8.3	18.6	20 W	14*	3*
10 3	11 15.02	+11 15.8	3.239	2.371	10.3	18.7	25 W	19*	5*
10 13	11 32.43	+10 20.3	3.208	2.404	12.2	18.8	31 W	24*	8*
10 23	11 49.30	+ 9 28.9	3.164	2.437	14.0	18.8	36 W	30*	11*
11 2	12 5.61	+ 8 43.0	3.109	2.469	15.7	18.9	42 W	35*	15*
11 12	12 21.31	+ 8 4.5	3.042	2.500	17.3	18.9	49 W	40*	19*
11 22	12 36.32	+ 7 34.9	2.964	2.530	18.6	18.9	55 W	45*	23*
12 2	12 50.57	+ 7 16.1	2.877	2.559	19.8	18.9	62 W	48*	28*
12 12	13 3.92	+ 7 10.0	2.781	2.588	20.7	18.9	69 W	51*	34*
12 22	13 16.22	+ 7 18.2	2.678	2.616	21.4	18.9	76 W	52*	40*
1 1	13 27.29	+ 7 42.6	2.571	2.643	21.7	18.8	83 W	53	45*
1 11	13 36.90	+ 8 24.8	2.462	2.670	21.6	18.7	91 W	53	50*
1 21	13 44.78	+ 9 25.9	2.354	2.695	21.1	18.6	99 W	54	53*
4688 1980 WF									
12 27	0 53.11	+ 0 54.7	0.384	1.099	62.6	19.8	97 E	46	61*
1 6	1 28.28	+ 0 56.6	0.372	1.082	64.8	19.7	95 E	46	60*
1 16	2 10.08	+ 1 24.7	0.363	1.077	65.5	19.7	95 E	46	60*
1 26	2 57.92	+ 2 15.9	0.359	1.086	64.3	19.6	97 E	47	60*
1 31	3 23.63	+ 2 48.0	0.361	1.095	63.0	19.6	98 E	48	60*
2 5	3 50.11	+ 3 23.0	0.366	1.107	61.4	19.6	100 E	48	60*
2 10	4 17.01	+ 3 59.7	0.374	1.122	59.6	19.7	101 E	49	60*
2 15	4 43.95	+ 4 36.5	0.386	1.140	57.5	19.7	103 E	50	59*
2 20	5 10.54	+ 5 11.7	0.402	1.160	55.4	19.8	105 E	50	59
2 25	5 36.41	+ 5 43.9	0.422	1.182	53.3	19.8	107 E	51	58
3 7	6 24.98	+ 6 35.5	0.474	1.233	49.5	20.1	109 E	52	57
3 17	7 8.56	+ 7 7.0	0.543	1.290	46.3	20.4	111 E	52	57
3 27	7 47.17	+ 7 17.2	0.627	1.351	43.7	20.7	111 E	52	57
4 6	8 21.31	+ 7 8.0	0.725	1.416	41.8	21.1	109 E	52	57
4 16	8 51.79	+ 6 42.0	0.835	1.484	40.2	21.5	107 E	52*	57
302800 2003 AA									
12 27	0 53.54	−26 33.2	0.872	1.268	50.7	21.5	86 E	18	79*
1 1	1 4.45	−23 19.9	0.877	1.261	51.0	21.5	85 E	22	76*
1 6	1 15.68	−20 0.6	0.885	1.255	51.2	21.5	84 E	25	73*
1 11	1 27.24	−16 36.2	0.893	1.250	51.4	21.5	83 E	28	70*
1 16	1 39.13	−13 8.1	0.903	1.247	51.5	21.6	83 E	32	66*
293940 2007 TX_{12}									
12 27	0 53.84	+ 9 16.6	1.603	2.028	28.5	20.8	101 E	54	53*
1 6	1 5.93	+10 49.6	1.745	2.058	28.5	21.0	94 E	56	49*
1 16	1 19.42	+12 25.3	1.890	2.088	28.1	21.2	87 E	57	44*
1 26	1 34.06	+14 2.2	2.036	2.118	27.3	21.4	81 E	59*	40*
2 5	1 49.66	+15 38.9	2.181	2.147	26.3	21.5	75 E	59*	35*
244049 2001 TL_{13}									
12 27	0 54.90	+ 6 7.7	1.450	1.883	31.0	20.7	100 E	51	56*
1 6	1 10.79	+ 7 17.4	1.596	1.925	30.6	21.0	94 E	52	52*
1 16	1 27.30	+ 8 32.9	1.746	1.968	30.0	21.2	88 E	54	48*
1 26	1 44.33	+ 9 51.8	1.899	2.010	29.0	21.4	82 E	55*	44*
2 5	2 1.76	+11 11.7	2.051	2.052	27.8	21.6	76 E	55*	41*

20/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
	h m	° ′			°	m	°	°	°
114534 2003 BT_{19}									
12 27	0 55.50	− 4 57.4	1.092	1.536	39.6	16.3	95 E	40	66*
1 1	1 5.82	− 2 36.2	1.134	1.547	39.4	16.4	94 E	42	63*
1 6	1 16.34	− 0 18.5	1.179	1.560	39.1	16.5	92 E	45	60*
1 11	1 27.06	+ 1 55.0	1.226	1.574	38.7	16.6	90 E	47	56*
1 16	1 37.97	+ 4 4.0	1.275	1.589	38.2	16.7	88 E	49	53*
1 26	2 0.28	+ 8 7.3	1.380	1.622	37.2	16.9	85 E	53	48*
2 5	2 23.18	+11 49.0	1.493	1.660	36.0	17.0	81 E	57*	43*
2 15	2 46.61	+15 8.4	1.612	1.700	34.6	17.2	78 E	58*	39*
2 25	3 10.50	+18 4.9	1.738	1.744	33.0	17.4	74 E	58*	36*
3 7	3 34.74	+20 38.5	1.868	1.790	31.4	17.6	70 E	57*	33*
3 17	3 59.28	+22 49.7	2.002	1.839	29.6	17.7	66 E	55*	31*
3 27	4 24.01	+24 39.1	2.138	1.889	27.8	17.9	62 E	51*	29*
4 6	4 48.80	+26 7.3	2.275	1.940	25.9	18.0	58 E	48*	27*
4 16	5 13.54	+27 15.6	2.412	1.992	24.0	18.1	54 E	43*	26*
4 26	5 38.12	+28 4.9	2.548	2.045	22.0	18.2	50 E	39*	24*
5 6	6 2.39	+28 36.6	2.681	2.099	20.0	18.4	45 E	34*	23*
5 16	6 26.27	+28 52.1	2.811	2.153	18.0	18.4	41 E	29*	21*
5 26	6 49.65	+28 52.8	2.936	2.207	15.9	18.5	37 E	24*	19*
6 5	7 12.45	+28 40.2	3.054	2.261	13.8	18.6	32 E	20*	17*
6 15	7 34.63	+28 15.8	3.165	2.315	11.8	18.6	28 E	16*	14*
6 25	7 56.11	+27 41.2	3.268	2.368	9.7	18.7	23 E	12*	11*
7 5	8 16.89	+26 57.9	3.362	2.421	7.8	18.7	19 E	9*	8*
7 15	8 36.96	+26 7.3	3.445	2.474	5.9	18.7	14 E	6*	4*
7 25	8 56.31	+25 10.8	3.518	2.526	4.2	18.7	11 E	4*	—
8 4	9 14.94	+24 9.8	3.578	2.578	3.2	18.7	8 E	2*	—
8 14	9 32.87	+23 5.6	3.626	2.628	3.3	18.8	9 W	1*	—
8 24	9 50.11	+21 59.4	3.660	2.679	4.5	18.9	12 W	5*	—
9 3	10 6.66	+20 52.5	3.680	2.728	6.0	19.1	17 W	10*	—
9 13	10 22.54	+19 46.1	3.686	2.777	7.7	19.2	22 W	16*	—
9 23	10 37.72	+18 41.5	3.677	2.824	9.4	19.3	27 W	21*	4*
10 3	10 52.20	+17 39.7	3.654	2.871	11.1	19.4	33 W	27*	7*
10 13	11 5.95	+16 42.1	3.616	2.917	12.6	19.5	40 W	33*	11*
10 23	11 18.92	+15 50.0	3.564	2.963	14.0	19.5	46 W	39*	14*
11 2	11 31.06	+15 4.7	3.499	3.007	15.3	19.6	53 W	45*	19*
11 12	11 42.26	+14 27.5	3.421	3.050	16.3	19.6	60 W	51*	23*
11 22	11 52.42	+13 59.9	3.333	3.093	17.2	19.6	68 W	55*	28*
12 2	12 1.41	+13 43.1	3.236	3.135	17.7	19.6	75 W	58*	34*
12 12	12 9.05	+13 38.6	3.132	3.175	17.9	19.5	84 W	59	39*
12 22	12 15.16	+13 47.4	3.025	3.215	17.8	19.5	92 W	59	44*
1 1	12 19.55	+14 10.4	2.918	3.254	17.2	19.4	101 W	59	48*
1 11	12 21.99	+14 47.8	2.815	3.292	16.2	19.3	111 W	60	49*
1 21	12 22.32	+15 38.9	2.721	3.329	14.8	19.2	120 W	61	48
464817 2004 SK_{29}									
12 27	0 56.06	+14 18.2	1.422	1.902	30.3	21.3	103 E	59	48*
1 6	1 10.18	+15 31.4	1.552	1.928	30.4	21.5	96 E	61	45*
1 16	1 25.73	+16 49.5	1.685	1.955	30.2	21.7	90 E	62	41*
1 26	1 42.47	+18 10.5	1.820	1.983	29.6	21.9	84 E	63*	37*
2 5	2 0.18	+19 32.4	1.955	2.010	28.7	22.0	79 E	63*	34*
369955 2013 MK_3									
12 27	0 57.15	+ 0 31.5	1.682	2.062	28.2	21.0	98 E	46	61*
1 6	1 9.14	+ 2 29.0	1.830	2.097	28.0	21.3	91 E	47	56*
1 16	1 22.28	+ 4 26.6	1.981	2.132	27.4	21.5	85 E	49	51*
1 26	1 36.38	+ 6 22.9	2.132	2.166	26.5	21.6	79 E	51*	46*
2 5	1 51.27	+ 8 16.8	2.283	2.201	25.3	21.8	73 E	52*	41*
96744 1999 OW_3									
12 27	0 57.56	− 4 58.9	2.858	3.115	18.3	20.4	96 E	40	66*
1 6	1 1.00	− 4 35.4	3.062	3.162	18.1	20.6	87 E	40	61*
1 16	1 5.94	− 4 2.9	3.264	3.207	17.5	20.7	78 E	41	54*
1 26	1 12.11	− 3 23.8	3.458	3.251	16.5	20.8	70 E	41*	48*
2 5	1 19.28	− 2 40.3	3.643	3.291	15.3	20.9	62 E	39*	42*
2 15	1 27.27	− 1 53.8	3.815	3.330	13.9	21.0	54 E	35*	36*
2 25	1 35.92	− 1 5.9	3.973	3.367	12.3	21.1	46 E	30*	31*
3 7	1 45.09	− 0 17.9	4.114	3.402	10.6	21.1	39 E	24*	26*
3 17	1 54.69	+ 0 29.4	4.237	3.435	8.9	21.1	32 E	18*	22*
3 27	2 4.59	+ 1 14.9	4.341	3.466	7.1	21.1	25 E	11*	17*
4 6	2 14.73	+ 1 57.8	4.424	3.496	5.4	21.1	19 E	4*	13*
4 16	2 25.02	+ 2 37.3	4.487	3.523	4.0	21.1	14 E	—	8*
4 26	2 35.38	+ 3 12.8	4.529	3.548	3.3	21.1	12 E	—	3*
5 6	2 45.75	+ 3 43.6	4.549	3.572	3.6	21.1	13 W	—	1*
5 16	2 56.05	+ 4 9.1	4.548	3.594	4.8	21.2	17 W	—	8*
5 26	3 6.21	+ 4 28.7	4.526	3.614	6.2	21.3	23 W	—	16*
6 5	3 16.14	+ 4 41.9	4.485	3.633	7.8	21.3	29 W	—	23*
6 15	3 25.76	+ 4 48.0	4.424	3.649	9.4	21.4	36 W	—	30*
6 25	3 34.97	+ 4 46.6	4.345	3.664	10.9	21.4	43 W	6*	36*
7 5	3 43.66	+ 4 37.0	4.250	3.677	12.2	21.4	50 W	12*	43*
7 15	3 51.71	+ 4 18.7	4.140	3.689	13.4	21.4	57 W	19*	48*
7 25	3 58.98	+ 3 51.3	4.017	3.699	14.4	21.4	65 W	26*	53*
8 4	4 5.32	+ 3 14.1	3.883	3.707	15.1	21.3	73 W	33*	57*

20/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
	h m	° ′			°	m	°	°	°
96744 1999 OW_3 *(continuation)*									
8 14	4 10.54	+ 2 26.9	3.742	3.713	15.6	21.3	81 W	38*	60*
8 24	4 14.45	+ 1 29.2	3.597	3.718	15.8	21.2	89 W	43*	62*
9 3	4 16.85	+ 0 21.3	3.451	3.721	15.6	21.1	98 W	45*	64
9 13	4 17.52	− 0 56.6	3.309	3.723	15.0	21.0	107 W	44	65
9 23	4 16.27	− 2 23.2	3.174	3.723	14.0	20.9	116 W	43	66
10 3	4 12.97	− 3 56.4	3.053	3.721	12.7	20.7	125 W	41	68
10 13	4 7.58	− 5 33.1	2.951	3.717	11.1	20.6	134 W	39	70
10 23	4 0.21	− 7 8.5	2.871	3.712	9.4	20.5	143 W	38	71
10 28	3 55.87	− 7 54.1	2.842	3.709	8.6	20.4	146 W	37	72
11 2	3 51.18	− 8 37.3	2.819	3.705	7.9	20.4	149 W	36	73
11 7	3 46.19	− 9 17.3	2.805	3.701	7.5	20.3	151 W	36	73
11 12	3 40.99	− 9 53.5	2.797	3.697	7.4	20.3	151 W	35	74
11 22	3 30.37	−10 52.3	2.806	3.686	8.0	20.3	149 E	34	75
12 2	3 20.06	−11 30.3	2.845	3.674	9.5	20.4	142 E	33	76
12 12	3 10.77	−11 46.7	2.912	3.661	11.2	20.5	134 E	33	76
12 22	3 3.08	−11 42.8	3.000	3.645	12.9	20.7	124 E	33	76
1 1	2 57.32	−11 21.2	3.107	3.628	14.3	20.8	115 E	34	75
1 11	2 53.64	−10 45.4	3.225	3.610	15.2	20.9	105 E	34	75
1 21	2 52.05	− 9 59.0	3.350	3.589	15.8	21.0	96 E	35	73*
173245 1999 LY_7									
12 27	0 59.44	− 0 50.6	2.125	2.461	23.3	21.4	98 E	44	63*
1 6	1 7.40	+ 0 31.6	2.283	2.488	23.3	21.6	90 E	46	58*
1 16	1 16.82	+ 1 58.6	2.442	2.514	22.8	21.7	83 E	47	52*
1 26	1 27.45	+ 3 28.6	2.598	2.540	22.1	21.9	76 E	48*	46*
2 5	1 39.09	+ 5 0.0	2.751	2.564	21.0	22.0	69 E	48*	41*
75412 1999 XJ_{108}									
12 27	1 0.04	+ 1 30.9	1.690	2.084	27.8	19.3	99 E	47	61*
1 6	1 11.41	+ 3 29.7	1.838	2.118	27.6	19.5	92 E	48	56*
1 16	1 24.05	+ 5 28.1	1.989	2.151	27.1	19.7	86 E	50	50*
1 26	1 37.75	+ 7 25.2	2.140	2.185	26.3	19.8	79 E	52*	45*
2 5	1 52.31	+ 9 19.7	2.291	2.219	25.2	20.0	73 E	53*	41*
2 15	2 7.62	+11 10.7	2.440	2.252	23.9	20.1	67 E	51*	36*
2 25	2 23.57	+12 57.3	2.585	2.285	22.4	20.2	62 E	48*	32*
3 7	2 40.05	+14 38.7	2.725	2.318	20.7	20.3	56 E	44*	29*
3 17	2 57.01	+16 14.3	2.859	2.350	19.0	20.4	50 E	40*	26*
3 27	3 14.38	+17 43.3	2.985	2.382	17.1	20.5	45 E	35*	23*
4 6	3 32.09	+19 5.2	3.103	2.413	15.2	20.5	39 E	30*	20*
4 16	3 50.09	+20 19.6	3.212	2.443	13.2	20.5	34 E	24*	17*
4 26	4 8.33	+21 26.0	3.311	2.473	11.2	20.6	28 E	19*	14*
5 6	4 26.73	+22 24.1	3.398	2.502	9.1	20.6	23 E	14*	11*
5 16	4 45.26	+23 13.7	3.474	2.531	7.0	20.5	18 E	9*	7*
5 26	5 3.83	+23 54.8	3.538	2.559	4.9	20.5	13 E	4*	3*
6 5	5 22.39	+24 27.4	3.589	2.586	2.9	20.4	7 E	—	—
6 15	5 40.86	+24 51.6	3.626	2.612	0.9	20.3	2 E	—	—
6 25	5 59.18	+25 7.8	3.650	2.637	1.5	20.4	4 W	—	—
7 5	6 17.27	+25 16.2	3.660	2.662	3.5	20.6	9 W	1*	1*
7 15	6 35.06	+25 17.4	3.656	2.686	5.5	20.7	15 W	6*	5*
7 25	6 52.48	+25 12.1	3.638	2.708	7.5	20.8	20 W	11*	8*
8 4	7 9.46	+25 0.9	3.606	2.730	9.4	20.9	26 W	17*	12*
8 14	7 25.92	+24 44.8	3.560	2.752	11.2	20.9	32 W	23*	15*
8 24	7 41.78	+24 24.8	3.501	2.772	12.9	21.0	38 W	29*	18*
9 3	7 56.96	+24 1.9	3.428	2.791	14.5	21.0	44 W	35*	20*
9 13	8 11.37	+23 37.5	3.343	2.810	16.0	21.0	50 W	41*	23*
9 23	8 24.90	+23 12.9	3.246	2.827	17.3	21.0	57 W	48*	26*
10 3	8 37.44	+22 49.6	3.139	2.844	18.4	21.0	64 W	54*	28*
10 13	8 48.85	+22 29.4	3.022	2.860	19.3	21.0	71 W	60*	31*
10 23	8 58.94	+22 14.2	2.899	2.875	19.8	20.9	79 W	64*	34*
11 2	9 7.54	+22 5.7	2.770	2.888	20.1	20.8	87 W	67*	37*
11 12	9 14.40	+22 6.0	2.640	2.901	19.9	20.7	95 W	67	39*
11 22	9 19.26	+22 17.0	2.510	2.913	19.2	20.6	104 W	67	41*
12 2	9 21.85	+22 40.1	2.385	2.925	18.0	20.5	114 W	68	41*
12 12	9 21.89	+23 16.1	2.269	2.935	16.2	20.3	124 W	68	41
12 22	9 19.20	+24 4.1	2.168	2.944	13.7	20.1	135 W	69	40
1 1	9 13.73	+25 1.8	2.085	2.952	10.7	19.9	146 W	70	39
1 6	9 10.01	+25 33.0	2.053	2.956	9.1	19.8	152 W	71	38
1 11	9 5.72	+26 4.6	2.027	2.959	7.3	19.7	157 W	71	38
1 16	9 0.93	+26 36.0	2.009	2.963	5.6	19.6	163 W	72	37
1 21	8 55.76	+27 6.2	1.997	2.966	4.1	19.5	168 W	72	37
370577 2003 UG_{270}									
12 27	1 0.61	+46 0.1	0.916	1.583	34.9	18.6	113 E	89	17*
1 1	1 13.33	+45 18.8	0.943	1.586	35.4	18.7	111 E	90	18*
1 6	1 26.79	+44 38.4	0.972	1.591	35.8	18.8	109 E	90	18*
1 11	1 40.87	+43 58.7	1.003	1.596	36.1	18.9	107 E	89	19*
1 16	1 55.44	+43 19.5	1.036	1.603	36.4	19.0	105 E	88	19*
1 21	2 10.41	+42 40.6	1.071	1.610	36.5	19.1	103 E	88	19*
1 26	2 25.65	+42 1.8	1.109	1.618	36.7	19.2	101 E	87	20*
1 31	2 41.06	+41 22.8	1.148	1.626	36.7	19.2	99 E	86	20*

20/21	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
	h m	° ′			°	m	°	°	°
370577 2003 UG_{270} *(continuation)*									
2 5	2 56.58	+40 43.4	1.189	1.636	36.7	19.3	97 E	86	21*
2 10	3 12.13	+40 3.3	1.233	1.646	36.7	19.4	95 E	85	21*
2 15	3 27.65	+39 22.5	1.278	1.657	36.5	19.5	93 E	84*	22*
2 20	3 43.10	+38 41.0	1.325	1.668	36.3	19.6	91 E	83*	23*
2 25	3 58.42	+37 58.5	1.374	1.681	36.1	19.7	89 E	81*	23*
3 2	4 13.57	+37 15.1	1.425	1.693	35.8	19.8	87 E	79*	24*
3 7	4 28.52	+36 30.5	1.478	1.707	35.4	19.9	85 E	77*	25*
3 12	4 43.25	+35 44.8	1.532	1.720	35.0	19.9	83 E	75*	26*
3 17	4 57.75	+34 58.0	1.587	1.735	34.5	20.0	81 E	72*	26*
3 22	5 12.01	+34 10.1	1.644	1.749	34.0	20.1	79 E	70*	27*
3 27	5 26.00	+33 21.1	1.702	1.765	33.4	20.2	77 E	67*	28*
4 1	5 39.72	+32 30.9	1.761	1.780	32.8	20.3	75 E	65*	28*
4 6	5 53.18	+31 39.5	1.821	1.796	32.1	20.3	73 E	62*	29*
4 11	6 6.37	+30 47.0	1.881	1.812	31.4	20.4	71 E	59*	30*
4 16	6 19.30	+29 53.4	1.942	1.829	30.7	20.5	68 E	56*	31*
4 26	6 44.37	+28 3.0	2.065	1.863	29.1	20.6	64 E	50*	32*
5 6	7 8.42	+26 8.4	2.189	1.898	27.4	20.7	60 E	44*	33*
5 16	7 31.51	+24 9.8	2.312	1.933	25.6	20.8	56 E	38*	33*
5 26	7 53.72	+22 7.7	2.434	1.970	23.7	20.9	51 E	31*	33*
6 5	8 15.07	+20 2.2	2.552	2.006	21.8	21.0	47 E	25*	33*
6 15	8 35.67	+17 53.6	2.667	2.043	19.8	21.1	43 E	19*	32*
6 25	8 55.57	+15 42.3	2.776	2.079	17.7	21.1	39 E	14*	30*
7 5	9 14.82	+13 28.7	2.879	2.116	15.6	21.2	34 E	9*	27*
7 15	9 33.49	+11 12.9	2.976	2.153	13.5	21.2	30 E	5*	23*
7 25	9 51.64	+ 8 55.5	3.064	2.189	11.4	21.2	25 E	1*	19*
8 4	10 9.32	+ 6 36.6	3.144	2.225	9.3	21.2	21 E	—	15*
8 14	10 26.58	+ 4 16.7	3.214	2.260	7.3	21.2	16 E	—	10*
8 24	10 43.45	+ 1 56.0	3.273	2.295	5.4	21.2	12 E	—	5*
9 3	10 59.97	− 0 25.1	3.322	2.329	3.7	21.2	9 E	—	—
9 13	11 16.18	− 2 46.3	3.359	2.363	3.0	21.2	7 W	—	—
9 23	11 32.09	− 5 7.3	3.384	2.396	3.6	21.3	9 W	—	2*
10 3	11 47.73	− 7 27.8	3.396	2.428	5.1	21.4	12 W	—	6*
365179 2009 FP_4									
12 27	1 0.68	+22 56.9	1.232	1.786	31.8	19.8	107 E	68	40*
1 6	1 5.64	+25 14.8	1.305	1.752	33.7	19.9	99 E	70	35*
1 16	1 14.61	+27 38.5	1.378	1.721	34.8	20.0	92 E	73	30*
1 26	1 27.25	+30 7.7	1.450	1.693	35.4	20.1	86 E	74*	25*
2 5	1 43.31	+32 40.4	1.517	1.668	35.7	20.2	81 E	73*	21*
2 15	2 2.71	+35 13.9	1.581	1.647	35.6	20.2	76 E	70*	17*
2 25	2 25.44	+37 44.8	1.640	1.630	35.2	20.3	72 E	66*	15*
3 7	2 51.56	+40 8.1	1.696	1.616	34.8	20.3	68 E	62*	12*
3 17	3 21.14	+42 18.0	1.748	1.607	34.2	20.4	65 E	59*	11*
3 27	3 54.13	+44 7.6	1.799	1.602	33.5	20.4	62 E	56*	10*
4 1	4 11.82	+44 52.4	1.824	1.601	33.1	20.4	61 E	55*	10*
4 6	4 30.23	+45 29.3	1.848	1.602	32.7	20.4	60 E	54*	9*
4 11	4 49.28	+45 57.6	1.873	1.603	32.3	20.5	59 E	53*	9*
4 16	5 8.87	+46 16.3	1.899	1.606	31.9	20.5	58 E	52*	10*
4 21	5 28.86	+46 25.0	1.924	1.609	31.5	20.5	57 E	51*	10*
4 26	5 49.10	+46 23.1	1.951	1.614	31.0	20.5	56 E	50*	11*
5 1	6 9.43	+46 10.5	1.978	1.620	30.5	20.5	55 E	49*	11*
5 6	6 29.70	+45 47.0	2.005	1.627	30.0	20.6	54 E	47*	12*
5 11	6 49.76	+45 12.9	2.034	1.634	29.5	20.6	53 E	46*	13*
5 16	7 9.49	+44 28.7	2.064	1.643	28.9	20.6	52 E	45*	13*
5 21	7 28.76	+43 34.9	2.095	1.653	28.3	20.6	51 E	43*	14*
5 26	7 47.47	+42 32.2	2.128	1.664	27.7	20.7	50 E	42*	15*
5 31	8 5.58	+41 21.4	2.161	1.676	27.0	20.7	49 E	40*	16*
6 5	8 23.04	+40 3.5	2.196	1.688	26.4	20.7	48 E	38*	17*
6 10	8 39.83	+38 39.3	2.232	1.701	25.7	20.8	47 E	36*	18*
6 15	8 55.96	+37 9.8	2.269	1.716	24.9	20.8	45 E	35*	19*
6 20	9 11.44	+35 35.8	2.308	1.730	24.2	20.8	44 E	33*	20*
6 25	9 26.28	+33 58.1	2.347	1.746	23.4	20.9	43 E	31*	20*
6 30	9 40.51	+32 17.5	2.388	1.762	22.5	20.9	42 E	29*	21*
7 5	9 54.19	+30 34.7	2.429	1.779	21.7	20.9	40 E	27*	21*
7 10	10 7.34	+28 50.3	2.471	1.796	20.8	21.0	39 E	25*	21*
7 15	10 20.01	+27 4.9	2.514	1.814	19.9	21.0	37 E	24*	21*
7 20	10 32.22	+25 18.9	2.557	1.833	19.0	21.0	36 E	22*	21*
7 25	10 44.02	+23 32.9	2.600	1.852	18.0	21.0	34 E	20*	21*
7 30	10 55.45	+21 47.0	2.644	1.871	17.0	21.1	33 E	19*	20*
8 4	11 6.53	+20 1.8	2.687	1.891	16.0	21.1	31 E	17*	19*
8 9	11 17.30	+18 17.3	2.731	1.911	15.0	21.1	29 E	16*	18*
8 14	11 27.79	+16 33.9	2.773	1.931	14.0	21.1	27 E	15*	17*
8 19	11 38.03	+14 51.8	2.815	1.952	12.9	21.2	26 E	13*	15*
8 24	11 48.03	+13 11.1	2.856	1.973	11.9	21.2	24 E	12*	14*
8 29	11 57.81	+11 31.9	2.897	1.994	10.8	21.2	22 E	11*	12*
9 3	12 7.41	+ 9 54.4	2.936	2.016	9.8	21.2	20 E	9*	11*
9 8	12 16.85	+ 8 18.6	2.973	2.037	8.7	21.2	18 E	8*	9*
9 13	12 26.12	+ 6 44.6	3.009	2.059	7.6	21.2	16 E	7*	7*
9 18	12 35.25	+ 5 12.4	3.044	2.081	6.6	21.2	14 E	6*	5*
9 23	12 44.26	+ 3 42.2	3.076	2.103	5.6	21.2	12 E	4*	2*
9 28	12 53.14	+ 2 13.9	3.106	2.125	4.6	21.2	10 E	3*	—

20/21	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
	h m	° ′			°	m	°	°	°
365179 2009 FP_4 *(continuation)*									
10 3	13 1.92	+ 0 47.6	3.134	2.148	3.7	21.2	8 E	2*	—
10 8	13 10.60	− 0 36.8	3.159	2.170	3.0	21.2	7 E	1*	—
10 13	13 19.19	− 1 59.2	3.182	2.192	2.7	21.2	6 E	—	—
10 18	13 27.69	− 3 19.6	3.202	2.214	2.8	21.2	6 W	—	—
10 23	13 36.10	− 4 38.0	3.220	2.237	3.3	21.3	7 W	1*	—
10 28	13 44.44	− 5 54.4	3.234	2.259	4.1	21.4	9 W	3*	—
11 2	13 52.70	− 7 8.9	3.245	2.281	5.0	21.5	12 W	5*	—
220006 2002 PS_{87}									
12 27	1 2.16	+38 19.5	2.340	2.851	18.7	21.1	111 E	83	25*
1 1	1 4.38	+37 45.0	2.393	2.846	19.3	21.1	107 E	83	25*
1 6	1 7.27	+37 14.4	2.448	2.840	19.7	21.2	103 E	82	24*
1 11	1 10.76	+36 48.0	2.504	2.835	20.0	21.3	99 E	82	23*
1 16	1 14.83	+36 25.6	2.561	2.829	20.3	21.3	95 E	81	23*
1 21	1 19.41	+36 7.3	2.619	2.822	20.4	21.4	92 E	81*	21*
1 26	1 24.48	+35 52.8	2.676	2.816	20.4	21.4	88 E	80*	20*
1 31	1 29.98	+35 42.0	2.734	2.809	20.4	21.4	84 E	77*	19*
2 5	1 35.89	+35 34.6	2.791	2.802	20.3	21.5	81 E	74*	18*
107673 2001 FV_6									
12 27	1 2.32	+ 7 52.1	2.096	2.493	22.7	20.3	102 E	53	55*
1 6	1 10.00	+ 8 49.1	2.265	2.529	22.8	20.5	94 E	54	51*
1 16	1 19.18	+ 9 52.8	2.435	2.565	22.5	20.7	86 E	55	46*
1 26	1 29.62	+11 1.5	2.604	2.599	21.8	20.8	79 E	56*	41*
2 5	1 41.08	+12 13.5	2.770	2.633	20.8	20.9	72 E	55*	37*
2 15	1 53.40	+13 27.4	2.931	2.666	19.6	21.1	65 E	52*	32*
2 25	2 6.44	+14 42.2	3.085	2.698	18.2	21.1	58 E	47*	28*
3 7	2 20.08	+15 56.4	3.230	2.729	16.6	21.2	52 E	42*	24*
3 17	2 34.24	+17 9.3	3.366	2.759	14.9	21.3	45 E	37*	21*
3 27	2 48.83	+18 19.9	3.490	2.788	13.0	21.3	39 E	31*	18*
4 6	3 3.77	+19 27.4	3.603	2.816	11.1	21.3	33 E	25*	14*
4 16	3 19.01	+20 31.3	3.702	2.843	9.2	21.3	27 E	19*	11*
4 26	3 34.49	+21 30.9	3.786	2.869	7.2	21.3	21 E	13*	7*
5 6	3 50.14	+22 25.7	3.857	2.894	5.2	21.3	15 E	8*	3*
5 16	4 5.92	+23 15.4	3.912	2.918	3.2	21.2	9 E	2*	—
5 26	4 21.75	+23 59.8	3.951	2.941	1.3	21.1	4 E	—	—
6 5	4 37.57	+24 38.6	3.975	2.963	1.3	21.1	4 W	—	—
6 15	4 53.33	+25 11.8	3.982	2.984	3.1	21.3	9 W	1*	1*
6 25	5 8.94	+25 39.4	3.974	3.004	5.1	21.4	15 W	5*	6*
416588 2004 JS_{31}									
12 27	1 2.80	+11 17.7	1.456	1.936	29.6	21.0	103 E	56	51*
1 6	1 17.14	+12 5.0	1.599	1.973	29.7	21.3	97 E	57	49*
1 16	1 32.49	+13 0.9	1.747	2.011	29.3	21.5	90 E	58	45*
1 26	1 48.68	+14 2.7	1.896	2.048	28.6	21.7	84 E	59*	42*
2 5	2 5.53	+15 7.7	2.047	2.084	27.6	21.9	78 E	59*	38*
155140 2005 UD									
12 27	1 3.47	+30 3.9	1.709	2.240	24.4	21.5	110 E	75	33*
1 1	1 1.93	+29 17.0	1.762	2.220	25.4	21.5	104 E	74	33*
1 6	1 1.41	+28 36.9	1.815	2.200	26.2	21.6	99 E	74	32*
1 11	1 1.83	+28 3.5	1.869	2.178	26.8	21.7	94 E	73	31*
1 16	1 3.08	+27 36.7	1.923	2.154	27.2	21.7	90 E	73	29*
2077 Kiangsu									
12 27	1 4.33	− 8 56.2	1.224	1.644	36.5	16.6	96 E	36	71*
1 1	1 9.68	− 6 9.6	1.264	1.643	36.7	16.7	93 E	39	66*
1 6	1 15.62	− 3 27.0	1.306	1.641	36.8	16.7	91 E	42	62*
1 11	1 22.09	− 0 48.5	1.349	1.641	36.8	16.8	88 E	44	58*
1 16	1 29.06	+ 1 45.5	1.394	1.642	36.7	16.9	86 E	47	54*
1 26	1 44.39	+ 6 39.4	1.487	1.645	36.2	17.0	81 E	52*	47*
2 5	2 1.39	+11 13.9	1.584	1.652	35.4	17.1	76 E	55*	41*
2 15	2 19.95	+15 28.6	1.684	1.661	34.3	17.3	72 E	56*	35*
2 25	2 40.02	+19 23.4	1.784	1.674	33.1	17.4	67 E	56*	31*
3 7	3 1.51	+22 58.0	1.885	1.690	31.6	17.5	63 E	54*	27*
3 17	3 24.44	+26 11.9	1.985	1.708	30.1	17.6	59 E	51*	23*
3 27	3 48.74	+29 4.5	2.084	1.729	28.4	17.6	56 E	48*	21*
4 6	4 14.34	+31 35.1	2.181	1.752	26.7	17.7	52 E	45*	18*
4 16	4 41.17	+33 42.7	2.276	1.777	25.0	17.8	48 E	41*	16*
4 26	5 9.07	+35 26.8	2.367	1.804	23.3	17.9	45 E	38*	15*
5 6	5 37.81	+36 46.6	2.455	1.832	21.6	17.9	42 E	35*	13*
5 16	6 7.16	+37 42.1	2.540	1.862	19.9	18.0	39 E	31*	12*
5 26	6 36.80	+38 13.4	2.621	1.893	18.2	18.0	36 E	28*	11*
5 31	6 51.63	+38 20.2	2.660	1.909	17.4	18.0	34 E	27*	10*
6 5	7 6.42	+38 21.3	2.698	1.925	16.6	18.1	33 E	25*	9*
6 10	7 21.13	+38 17.0	2.735	1.942	15.8	18.1	31 E	24*	9*
6 15	7 35.74	+38 7.3	2.771	1.958	15.0	18.1	30 E	22*	8*
6 25	8 4.46	+37 33.1	2.839	1.992	13.6	18.1	27 E	20*	7*
7 5	8 32.40	+36 41.0	2.902	2.026	12.2	18.2	25 E	18*	5*

20/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
	2077 Kiangsu							*(continuation)*	
	h m	° ′			°	m	°	°	°
7 15	8 59.40	+35 33.4	2.960	2.060	11.0	18.2	23 E	16*	3*
7 25	9 25.38	+34 12.9	3.012	2.095	10.0	18.2	21 E	15*	—
8 4	9 50.32	+32 42.1	3.058	2.130	9.2	18.3	20 E	14*	—
8 14	10 14.22	+31 3.3	3.097	2.165	8.8	18.3	19 E	12*	—
8 24	10 37.11	+29 19.2	3.130	2.199	8.6	18.4	19 E	11*	—
9 3	10 59.06	+27 31.8	3.155	2.234	8.9	18.4	20 E	10*	—
9 13	11 20.13	+25 43.1	3.171	2.268	9.5	18.5	22 W	10*	—
9 23	11 40.37	+23 55.1	3.179	2.302	10.3	18.6	24 W	14*	—
10 3	11 59.85	+22 9.5	3.177	2.335	11.4	18.7	27 W	18*	—
10 13	12 18.61	+20 27.9	3.166	2.368	12.6	18.7	31 W	23*	—
10 23	12 36.65	+18 51.9	3.145	2.401	13.8	18.8	35 W	28*	—
11 2	12 54.02	+17 22.7	3.114	2.432	15.1	18.8	40 W	33*	—
11 12	13 10.69	+16 1.8	3.071	2.463	16.3	18.9	44 W	38*	4*
11 22	13 26.61	+14 50.4	3.019	2.494	17.5	18.9	50 W	43*	9*
12 2	13 41.74	+13 49.5	2.957	2.524	18.7	18.9	55 W	48*	14*
12 12	13 55.99	+13 0.4	2.885	2.553	19.7	18.9	61 W	52*	20*
12 22	14 9.23	+12 23.9	2.804	2.581	20.5	18.9	67 W	55*	26*
1 1	14 21.32	+12 0.8	2.715	2.609	21.2	18.9	73 W	56*	33*
1 11	14 32.06	+11 51.8	2.620	2.635	21.6	18.8	80 W	57*	39*
1 21	14 41.22	+11 57.1	2.521	2.661	21.7	18.8	87 W	57	45*
	163692 2003 CY_{18}								
12 27	1 4.54	− 3 5.8	1.080	1.560	38.6	20.8	98 E	42	65*
1 6	1 23.38	+ 0 5.2	1.220	1.615	37.4	21.1	94 E	45	60*
1 16	1 41.96	+ 2 59.2	1.364	1.667	36.1	21.4	89 E	48	55*
1 26	2 0.48	+ 5 38.4	1.512	1.717	34.8	21.6	84 E	51	50*
2 5	2 19.05	+ 8 4.2	1.660	1.764	33.3	21.8	79 E	53*	46*
	127521 2002 VK_{14}								
12 27	1 6.72	+14 0.1	1.412	1.921	29.6	18.5	105 E	59	49*
1 6	1 18.54	+12 35.3	1.488	1.885	31.2	18.6	97 E	58	48*
1 16	1 32.70	+11 37.4	1.567	1.849	32.1	18.7	90 E	57	46*
1 26	1 48.88	+11 2.1	1.645	1.815	32.6	18.7	83 E	56*	44*
2 5	2 6.78	+10 44.4	1.721	1.782	32.6	18.8	77 E	55*	42*
2 15	2 26.21	+10 39.8	1.793	1.752	32.3	18.9	72 E	52*	40*
2 25	2 47.00	+10 43.9	1.861	1.723	31.8	18.9	66 E	49*	38*
3 7	3 9.01	+10 52.8	1.924	1.696	31.0	18.9	62 E	46*	37*
3 17	3 32.13	+11 3.0	1.982	1.672	30.1	18.9	57 E	41*	36*
3 27	3 56.27	+11 11.1	2.035	1.651	29.1	18.9	54 E	37*	35*
4 6	4 21.32	+11 14.2	2.084	1.633	28.0	18.9	50 E	33*	34*
4 16	4 47.19	+11 9.9	2.129	1.618	26.9	18.9	47 E	28*	33*
4 26	5 13.76	+10 55.8	2.170	1.607	25.8	18.9	44 E	23*	33*
5 6	5 40.91	+10 30.3	2.209	1.600	24.7	18.9	41 E	18*	32*
5 16	6 8.51	+ 9 52.1	2.247	1.596	23.6	18.9	39 E	14*	31*
5 26	6 36.41	+ 9 0.3	2.283	1.596	22.5	18.9	37 E	9*	30*
6 5	7 4.46	+ 7 55.0	2.320	1.600	21.4	18.9	35 E	4*	29*
6 15	7 32.54	+ 6 36.2	2.358	1.607	20.2	18.9	33 E	—	27*
6 25	8 0.50	+ 5 5.0	2.397	1.618	19.1	18.9	31 E	—	25*
7 5	8 28.23	+ 3 22.6	2.438	1.633	17.9	18.9	30 E	—	23*
7 15	8 55.65	+ 1 30.7	2.482	1.651	16.6	19.0	28 E	—	20*
7 25	9 22.68	− 0 28.8	2.527	1.672	15.3	19.0	26 E	—	18*
8 4	9 49.27	− 2 33.8	2.574	1.696	14.0	19.0	24 E	—	15*
8 14	10 15.43	− 4 42.3	2.622	1.723	12.6	19.0	22 E	—	12*
8 24	10 41.13	− 6 52.3	2.671	1.751	11.1	19.0	20 E	—	9*
9 3	11 6.39	− 9 1.7	2.720	1.782	9.7	19.1	17 E	—	5*
9 13	11 31.23	−11 8.9	2.767	1.815	8.3	19.1	15 E	—	2*
9 23	11 55.66	−13 12.3	2.811	1.849	7.2	19.1	13 W	—	1*
10 3	12 19.73	−15 10.3	2.852	1.884	6.3	19.1	12 W	—	3*
10 13	12 43.45	−17 1.8	2.887	1.921	6.1	19.2	12 W	—	4*
10 23	13 6.82	−18 45.5	2.916	1.958	6.4	19.3	13 W	—	7*
11 2	13 29.86	−20 20.7	2.938	1.996	7.4	19.4	15 W	—	9*
11 12	13 52.53	−21 46.3	2.950	2.034	8.8	19.5	18 W	3*	12*
11 22	14 14.81	−23 1.8	2.953	2.073	10.4	19.6	22 W	6*	15*
12 2	14 36.64	−24 6.6	2.946	2.112	12.1	19.7	27 W	9*	19*
12 12	14 57.94	−25 0.3	2.928	2.151	13.8	19.8	31 W	11*	23*
12 22	15 18.60	−25 42.5	2.898	2.189	15.6	19.9	37 W	13*	28*
1 1	15 38.53	−26 13.3	2.857	2.228	17.2	19.9	42 W	14*	34*
1 11	15 57.57	−26 32.7	2.804	2.266	18.8	20.0	48 W	15*	40*
1 21	16 15.56	−26 40.8	2.740	2.304	20.2	20.0	54 W	16*	47*
	447146 2005 GZ_{25}								
12 27	1 7.14	+27 22.2	1.102	1.706	32.9	21.1	110 E	72	36*
1 1	1 12.74	+27 56.0	1.153	1.711	33.5	21.2	106 E	73	35*
1 6	1 19.13	+28 31.2	1.204	1.716	33.9	21.3	103 E	74	33*
1 11	1 26.26	+29 7.6	1.256	1.721	34.3	21.4	100 E	74	32*
1 16	1 34.07	+29 45.0	1.308	1.727	34.5	21.5	97 E	75	30*
	353959 1999 UC_{23}								
12 27	1 7.35	+ 3 25.9	1.342	1.814	32.1	21.0	101 E	48	59*
1 6	1 19.72	+ 3 57.6	1.408	1.777	33.5	21.1	94 E	49	56*
1 16	1 34.65	+ 4 48.1	1.474	1.742	34.4	21.2	88 E	50	52*
1 26	1 51.86	+ 5 53.3	1.538	1.709	34.8	21.2	82 E	51	49*

20/21	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
	353959 1999 UC_{23}							*(continuation)*	
	h m	° ′			°	m	°	°	°
2 5	2 11.09	+ 7 9.0	1.600	1.680	34.9	21.3	77 E	51*	45*
2 15	2 32.14	+ 8 31.3	1.660	1.654	34.7	21.3	72 E	51*	42*
2 25	2 54.86	+ 9 56.4	1.718	1.631	34.3	21.4	68 E	49*	40*
3 7	3 19.09	+11 20.4	1.773	1.612	33.7	21.4	64 E	47*	38*
3 17	3 44.69	+12 39.6	1.828	1.598	32.9	21.4	61 E	45*	37*
3 27	4 11.52	+13 50.6	1.881	1.587	32.0	21.4	58 E	42*	35*
4 6	4 39.39	+14 50.1	1.935	1.582	31.0	21.5	55 E	38*	35*
4 16	5 8.12	+15 35.2	1.990	1.581	29.9	21.5	52 E	35*	34*
	141776 2002 NY_8								
12 27	1 7.57	− 1 23.2	1.347	1.795	32.7	19.6	100 E	44	64*
1 6	1 23.05	+ 1 2.0	1.466	1.821	32.6	19.8	94 E	46	59*
1 16	1 39.63	+ 3 26.1	1.589	1.848	32.2	20.0	89 E	48	54*
1 26	1 57.12	+ 5 46.9	1.716	1.877	31.4	20.2	83 E	51	50*
2 5	2 15.36	+ 8 2.5	1.845	1.907	30.4	20.3	78 E	53*	45*
2 15	2 34.25	+10 11.3	1.975	1.937	29.2	20.5	73 E	53*	42*
2 25	2 53.70	+12 12.1	2.106	1.969	27.9	20.6	68 E	51*	38*
3 7	3 13.63	+14 3.7	2.236	2.002	26.3	20.7	64 E	49*	35*
3 17	3 33.96	+15 45.1	2.365	2.034	24.7	20.9	59 E	45*	33*
3 27	3 54.64	+17 15.7	2.491	2.068	23.0	21.0	54 E	41*	30*
4 6	4 15.57	+18 34.7	2.613	2.101	21.1	21.0	49 E	37*	28*
4 16	4 36.70	+19 41.9	2.731	2.135	19.3	21.1	45 E	32*	26*
4 26	4 57.96	+20 36.9	2.843	2.168	17.3	21.2	40 E	27*	23*
5 6	5 19.24	+21 19.6	2.949	2.202	15.3	21.2	35 E	22*	21*
5 16	5 40.50	+21 50.3	3.048	2.235	13.2	21.2	30 E	17*	18*
5 26	6 1.63	+22 9.1	3.138	2.269	11.2	21.3	26 E	12*	16*
6 5	6 22.57	+22 16.5	3.220	2.301	9.1	21.3	21 E	7*	12*
6 15	6 43.25	+22 12.9	3.292	2.334	7.0	21.2	16 E	3*	9*
6 25	7 3.59	+21 59.1	3.354	2.366	4.9	21.2	11 E	—	5*
7 5	7 23.54	+21 35.9	3.405	2.397	2.7	21.1	6 E	—	—
7 15	7 43.05	+21 4.0	3.444	2.428	0.6	21.0	1 E	—	—
7 25	8 2.08	+20 24.5	3.472	2.459	1.5	21.2	4 W	—	—
8 4	8 20.60	+19 38.2	3.486	2.488	3.5	21.3	9 W	1*	—
8 14	8 38.56	+18 46.2	3.488	2.517	5.6	21.5	14 W	6*	4*
	165213 2000 SJ_{12}								
12 27	1 8.03	+ 8 29.4	1.584	2.051	27.8	20.4	104 E	53	55*
1 6	1 19.50	+ 9 46.9	1.727	2.081	28.0	20.6	96 E	55	51*
1 16	1 32.42	+11 9.4	1.873	2.112	27.8	20.8	90 E	56	47*
1 26	1 46.55	+12 35.0	2.021	2.142	27.2	21.0	83 E	58*	43*
2 5	2 1.66	+14 1.5	2.168	2.172	26.3	21.2	77 E	58*	39*
2 15	2 17.61	+15 27.6	2.314	2.202	25.1	21.3	71 E	56*	35*
2 25	2 34.28	+16 51.6	2.457	2.231	23.8	21.4	65 E	53*	32*
	420302 2011 XZ_1								
12 27	1 8.71	+14 1.2	1.332	1.857	30.6	20.8	106 E	59	49*
1 6	1 24.69	+14 37.3	1.493	1.917	30.4	21.1	99 E	60	47*
1 16	1 41.08	+15 21.7	1.659	1.975	29.8	21.4	93 E	60	44*
1 26	1 57.83	+16 11.8	1.829	2.033	28.9	21.6	87 E	61	41*
2 5	2 14.87	+17 5.0	2.000	2.089	27.8	21.8	81 E	61*	38*
	469834 2005 SL_{243}								
12 27	1 8.93	−15 7.7	1.125	1.546	39.4	20.4	94 E	30	77*
1 1	1 18.90	−13 30.7	1.160	1.549	39.4	20.4	92 E	31	74*
1 6	1 29.17	−11 51.2	1.195	1.552	39.3	20.5	90 E	33	71*
1 11	1 39.71	−10 9.9	1.231	1.557	39.2	20.6	89 E	35	68*
1 16	1 50.51	− 8 27.4	1.269	1.562	39.0	20.6	87 E	37	65*
1 21	2 1.54	− 6 44.4	1.308	1.569	38.7	20.7	85 E	38	63*
1 26	2 12.78	− 5 1.6	1.348	1.577	38.3	20.8	84 E	40	60*
1 31	2 24.19	− 3 19.6	1.389	1.585	38.0	20.8	82 E	42	58*
2 5	2 35.78	− 1 39.1	1.431	1.595	37.5	20.9	80 E	43*	56*
2 10	2 47.53	− 0 0.6	1.475	1.606	37.1	21.0	79 E	45*	54*
2 15	2 59.43	+ 1 35.6	1.520	1.617	36.5	21.0	77 E	46*	52*
2 20	3 11.46	+ 3 8.7	1.567	1.630	36.0	21.1	75 E	47*	50*
2 25	3 23.62	+ 4 38.5	1.614	1.643	35.4	21.2	74 E	47*	49*
3 2	3 35.88	+ 6 4.5	1.663	1.657	34.7	21.2	72 E	47*	47*
3 7	3 48.24	+ 7 26.4	1.714	1.672	34.1	21.3	71 E	47*	46*
3 12	4 0.69	+ 8 43.9	1.765	1.687	33.4	21.4	69 E	47*	44*
3 17	4 13.21	+ 9 56.8	1.818	1.703	32.6	21.4	67 E	46*	43*
3 22	4 25.80	+11 4.9	1.871	1.720	31.9	21.5	66 E	45*	42*
	511067 2013 TS_{10}								
12 27	1 9.67	− 2 0.7	1.297	1.755	33.5	21.1	100 E	43	65*
1 6	1 26.14	+ 0 25.8	1.416	1.785	33.3	21.3	94 E	45	60*
1 16	1 43.50	+ 2 50.7	1.540	1.817	32.8	21.5	89 E	48	55*
1 26	2 1.61	+ 5 11.8	1.669	1.850	32.0	21.7	84 E	50	51*
2 5	2 20.33	+ 7 27.0	1.800	1.884	30.9	21.9	79 E	52*	47*

20/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
	h m	° ′			°	m	°	°	°
415872 2001 SN_{282}									
12 27	1 9.70	+ 7 41.7	1.362	1.858	31.0	21.3	104 E	53	55*
1 6	1 23.47	+ 9 21.5	1.489	1.884	31.2	21.6	97 E	54	52*
1 16	1 38.65	+11 3.8	1.618	1.910	31.0	21.8	91 E	56	48*
1 26	1 55.02	+12 46.6	1.751	1.937	30.4	22.0	85 E	58	44*
2 5	2 12.37	+14 28.0	1.884	1.964	29.6	22.1	80 E	59*	40*
23983 1999 NS_{11}									
12 27	1 9.74	− 3 19.8	1.175	1.649	36.1	18.0	99 E	42	66*
1 6	1 28.11	− 0 46.0	1.275	1.670	36.0	18.2	94 E	44	61*
1 16	1 47.43	+ 1 48.4	1.381	1.693	35.5	18.4	90 E	47	57*
1 26	2 7.56	+ 4 20.0	1.491	1.718	34.8	18.6	85 E	49	52*
2 5	2 28.33	+ 6 45.9	1.605	1.746	33.9	18.7	81 E	52*	48*
2 15	2 49.65	+ 9 3.9	1.722	1.776	32.8	18.9	77 E	53*	45*
2 25	3 11.46	+11 11.9	1.842	1.807	31.5	19.1	72 E	52*	42*
3 7	3 33.64	+13 8.3	1.963	1.839	30.0	19.2	68 E	51*	39*
3 17	3 56.15	+14 51.9	2.085	1.873	28.5	19.3	64 E	48*	37*
3 27	4 18.90	+16 21.9	2.208	1.908	26.8	19.4	60 E	45*	35*
4 6	4 41.79	+17 37.6	2.329	1.943	25.1	19.5	55 E	41*	33*
4 16	5 4.76	+18 38.7	2.449	1.979	23.2	19.6	51 E	36*	31*
4 26	5 27.71	+19 25.2	2.566	2.015	21.3	19.7	47 E	32*	29*
5 6	5 50.55	+19 57.2	2.680	2.052	19.4	19.8	42 E	27*	27*
5 16	6 13.19	+20 15.2	2.789	2.089	17.4	19.8	38 E	21*	25*
5 26	6 35.55	+20 19.8	2.892	2.126	15.4	19.9	34 E	16*	23*
6 5	6 57.56	+20 11.7	2.989	2.162	13.3	19.9	29 E	12*	20*
6 15	7 19.16	+19 51.8	3.078	2.198	11.2	19.9	25 E	7*	17*
6 25	7 40.30	+19 21.1	3.160	2.234	9.1	20.0	20 E	4*	13*
7 5	8 0.93	+18 40.7	3.232	2.270	7.0	19.9	16 E	—	9*
7 15	8 21.03	+17 51.5	3.295	2.305	4.8	19.9	11 E	—	5*
7 25	8 40.58	+16 54.8	3.347	2.340	2.7	19.9	6 E	—	—
8 4	8 59.58	+15 51.7	3.388	2.374	0.7	19.8	2 E	—	—
8 14	9 18.01	+14 43.2	3.417	2.407	1.6	19.9	4 W	—	—
8 24	9 35.87	+13 30.5	3.433	2.440	3.7	20.1	9 W	2*	1*
9 3	9 53.17	+12 14.6	3.437	2.472	5.7	20.2	14 W	7*	4*
9 13	10 9.89	+10 56.7	3.428	2.503	7.8	20.3	20 W	12*	7*
9 23	10 26.03	+ 9 37.9	3.405	2.533	9.7	20.4	25 W	17*	10*
10 3	10 41.58	+ 8 19.2	3.369	2.563	11.6	20.5	31 W	23*	14*
10 13	10 56.51	+ 7 1.8	3.319	2.592	13.4	20.5	37 W	28*	17*
10 23	11 10.76	+ 5 47.0	3.257	2.620	15.0	20.6	43 W	33*	21*
11 2	11 24.30	+ 4 35.8	3.181	2.647	16.6	20.6	49 W	38*	26*
11 12	11 37.03	+ 3 29.6	3.094	2.673	17.9	20.6	56 W	42*	31*
11 22	11 48.85	+ 2 29.8	2.996	2.698	19.1	20.6	63 W	45*	36*
12 2	11 59.64	+ 1 37.7	2.888	2.722	20.0	20.6	70 W	46*	42*
12 12	12 9.22	+ 0 55.0	2.773	2.745	20.5	20.5	78 W	46	48*
12 22	12 17.40	+ 0 23.3	2.653	2.768	20.8	20.5	86 W	45	55*
1 1	12 23.96	+ 0 4.2	2.530	2.789	20.6	20.4	95 W	45	60*
1 11	12 28.63	− 0 0.5	2.407	2.810	19.9	20.2	104 W	45	64*
1 21	12 31.18	+ 0 10.6	2.289	2.829	18.6	20.1	113 W	45	64
302530 2002 LC_{58}									
12 27	1 11.77	+ 7 17.0	1.458	1.945	29.4	18.6	104 E	52	56*
1 1	1 19.70	+ 6 47.6	1.535	1.967	29.4	18.8	100 E	52	56*
1 6	1 27.73	+ 6 25.9	1.613	1.990	29.4	18.9	97 E	51	55*
1 11	1 35.83	+ 6 10.8	1.694	2.013	29.2	19.0	94 E	51	54*
1 16	1 44.01	+ 6 1.5	1.775	2.037	28.9	19.2	91 E	51	53*
1 21	1 52.25	+ 5 57.0	1.857	2.061	28.5	19.3	87 E	51	51*
1 26	2 0.56	+ 5 56.7	1.939	2.084	28.0	19.4	84 E	51	50*
2 5	2 17.30	+ 6 5.8	2.105	2.132	26.9	19.6	78 E	51*	47*
2 15	2 34.22	+ 6 24.2	2.269	2.181	25.5	19.7	72 E	49*	44*
2 25	2 51.28	+ 6 48.1	2.432	2.229	24.0	19.9	66 E	46*	42*
3 7	3 8.44	+ 7 14.6	2.590	2.278	22.4	20.0	61 E	42*	39*
3 17	3 25.68	+ 7 41.2	2.743	2.327	20.6	20.1	55 E	38*	37*
3 27	3 42.97	+ 8 5.9	2.889	2.375	18.8	20.2	50 E	33*	34*
4 6	4 0.27	+ 8 27.1	3.027	2.423	16.9	20.3	45 E	27*	32*
4 16	4 17.55	+ 8 43.7	3.157	2.471	15.1	20.4	40 E	21*	29*
4 26	4 34.77	+ 8 54.5	3.277	2.518	13.2	20.5	35 E	15*	26*
5 6	4 51.88	+ 8 58.8	3.386	2.565	11.4	20.5	30 E	9*	23*
5 16	5 8.85	+ 8 56.0	3.484	2.611	9.7	20.5	26 E	2*	20*
5 26	5 25.63	+ 8 45.5	3.571	2.657	8.1	20.6	22 E	—	16*
6 5	5 42.16	+ 8 27.3	3.645	2.702	6.9	20.6	19 E	—	11*
6 15	5 58.41	+ 8 0.9	3.706	2.746	6.0	20.6	16 E	—	6*
6 25	6 14.31	+ 7 26.5	3.753	2.790	5.7	20.7	16 W	—	1*
7 5	6 29.82	+ 6 44.0	3.788	2.833	6.1	20.7	17 W	—	7*
7 15	6 44.88	+ 5 53.4	3.808	2.875	7.0	20.8	20 W	—	12*
7 25	6 59.44	+ 4 55.1	3.815	2.916	8.1	20.9	24 W	—	18*
8 4	7 13.44	+ 3 49.2	3.808	2.957	9.4	21.0	29 W	1*	23*
8 14	7 26.81	+ 2 36.1	3.788	2.997	10.8	21.1	34 W	7*	27*
8 24	7 39.48	+ 1 16.0	3.755	3.036	12.1	21.1	39 W	13*	32*
9 3	7 51.37	− 0 10.6	3.709	3.074	13.3	21.2	45 W	19*	36*
9 13	8 2.39	− 1 43.2	3.651	3.111	14.5	21.2	51 W	24*	41*
9 23	8 12.43	− 3 21.2	3.582	3.148	15.5	21.2	57 W	29*	46*
10 3	8 21.37	− 5 3.8	3.504	3.183	16.3	21.2	63 W	33*	51*

20/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
	h m	° ′			°	m	°	°	°
302530 2002 LC_{58} *(continuation)*									
10 13	8 29.06	− 6 50.3	3.417	3.218	17.0	21.2	70 W	35*	56*
10 23	8 35.36	− 8 39.3	3.324	3.252	17.4	21.2	77 W	36*	61*
11 2	8 40.08	−10 29.3	3.227	3.285	17.5	21.1	85 W	35	67*
11 12	8 43.04	−12 18.3	3.129	3.317	17.3	21.1	92 W	33	74*
11 22	8 44.07	−14 3.7	3.033	3.348	16.9	21.0	100 W	31	78*
12 2	8 43.04	−15 42.0	2.942	3.379	16.1	21.0	108 W	29	80
12 12	8 39.87	−17 9.3	2.860	3.409	15.1	20.9	116 W	28	81
12 22	8 34.66	−18 21.0	2.792	3.437	13.8	20.8	124 W	27	82
1 1	8 27.65	−19 12.6	2.741	3.465	12.4	20.7	131 W	26	83
1 11	8 19.29	−19 40.1	2.711	3.492	11.2	20.7	137 W	25	84
1 21	8 10.25	−19 41.5	2.705	3.518	10.3	20.7	140 E	25	84
381823 2009 VZ_{80}									
12 27	1 12.49	+ 3 14.1	1.347	1.832	31.6	20.2	103 E	48	60*
1 6	1 23.53	+ 6 52.9	1.480	1.865	31.6	20.5	96 E	52	54*
1 16	1 36.31	+10 14.5	1.619	1.898	31.2	20.7	90 E	55	48*
1 26	1 50.55	+13 20.8	1.761	1.933	30.5	20.9	84 E	58*	42*
2 5	2 6.02	+16 12.8	1.906	1.969	29.4	21.1	79 E	60*	37*
2 15	2 22.57	+18 51.6	2.051	2.005	28.2	21.2	73 E	60*	33*
2 25	2 40.07	+21 18.0	2.195	2.042	26.7	21.4	68 E	57*	29*
3 7	2 58.41	+23 32.2	2.336	2.079	25.1	21.5	63 E	54*	26*
347514 1999 SP_{14}									
12 27	1 12.68	+11 50.8	1.794	2.269	24.6	21.4	106 E	57	51*
1 6	1 23.61	+11 53.4	1.961	2.315	24.9	21.6	98 E	57	49*
1 16	1 35.67	+12 10.4	2.133	2.362	24.6	21.9	91 E	57	46*
1 26	1 48.64	+12 38.2	2.307	2.408	24.0	22.0	84 E	58*	43*
2 5	2 2.34	+13 13.7	2.480	2.453	23.0	22.2	77 E	57*	39*
242216 2003 RN_{10}									
12 27	1 12.72	+41 23.2	2.029	2.591	20.3	20.2	114 E	86	22*
1 1	1 17.16	+40 2.0	2.107	2.617	20.6	20.3	110 E	85	23*
1 6	1 22.01	+38 48.6	2.187	2.642	20.9	20.4	107 E	84	24*
1 11	1 27.22	+37 42.5	2.271	2.666	21.1	20.5	103 E	83	24*
1 16	1 32.74	+36 43.4	2.357	2.690	21.2	20.6	99 E	82	24*
1 21	1 38.53	+35 51.0	2.444	2.714	21.2	20.7	95 E	81	23*
1 26	1 44.56	+35 4.7	2.533	2.737	21.1	20.8	91 E	80*	23*
1 31	1 50.78	+34 24.1	2.623	2.760	20.9	20.9	87 E	78*	23*
2 5	1 57.18	+33 48.6	2.713	2.782	20.6	21.0	84 E	76*	22*
2 10	2 3.74	+33 17.7	2.803	2.804	20.3	21.1	80 E	73*	21*
2 15	2 10.44	+32 51.1	2.893	2.826	19.8	21.2	76 E	69*	20*
2 20	2 17.26	+32 28.3	2.982	2.847	19.4	21.2	73 E	66*	20*
2 25	2 24.19	+32 8.7	3.070	2.868	18.8	21.3	69 E	63*	19*
3 2	2 31.20	+31 52.2	3.156	2.888	18.2	21.3	65 E	59*	18*
3 7	2 38.30	+31 38.1	3.241	2.908	17.5	21.4	62 E	56*	17*
3 12	2 45.46	+31 26.4	3.324	2.928	16.8	21.4	58 E	52*	16*
3 17	2 52.69	+31 16.5	3.404	2.947	16.0	21.5	55 E	49*	15*
360658 2004 RS_{54}									
12 27	1 13.67	+ 0 1.4	1.451	1.908	30.3	21.2	102 E	45	63*
1 6	1 27.05	+ 1 47.9	1.586	1.940	30.3	21.5	95 E	47	59*
1 16	1 41.58	+ 3 37.1	1.725	1.972	29.9	21.7	89 E	49	54*
1 26	1 57.07	+ 5 26.9	1.866	2.005	29.2	21.8	83 E	50	50*
2 5	2 13.33	+ 7 15.1	2.008	2.037	28.2	22.0	78 E	52*	46*
418797 2008 VF									
12 27	1 13.97	− 9 16.8	0.544	1.186	55.3	20.6	98 E	36	72*
1 1	1 21.82	−10 16.4	0.581	1.178	56.4	20.7	94 E	35	71*
1 6	1 29.86	−11 1.0	0.617	1.168	57.3	20.9	91 E	34	70*
1 11	1 38.10	−11 33.6	0.651	1.157	58.1	21.0	88 E	33	69*
1 16	1 46.52	−11 56.7	0.682	1.144	58.9	21.1	85 E	33	67*
1 21	1 55.11	−12 12.2	0.711	1.130	59.6	21.2	82 E	33	65*
1 26	2 3.86	−12 21.7	0.736	1.113	60.3	21.2	79 E	33	64*
1 31	2 12.73	−12 26.7	0.759	1.096	61.0	21.3	77 E	33*	62*
2 5	2 21.72	−12 27.9	0.777	1.076	61.8	21.3	74 E	32*	60*
2 10	2 30.82	−12 26.3	0.792	1.055	62.7	21.3	72 E	32*	59*
2 15	2 40.01	−12 22.3	0.803	1.033	63.7	21.4	70 E	31*	57*
2 20	2 49.27	−12 16.7	0.809	1.008	64.8	21.4	67 E	30*	56*
2 25	2 58.55	−12 9.9	0.810	0.983	66.2	21.3	65 E	29*	54*
3 2	3 7.80	−12 1.9	0.806	0.956	67.8	21.3	63 E	28*	53*
3 7	3 16.95	−11 52.8	0.797	0.928	69.8	21.3	61 E	26*	52*
3 12	3 25.92	−11 42.1	0.783	0.899	72.1	21.3	59 E	25*	51*
3 17	3 34.60	−11 29.4	0.763	0.869	74.8	21.2	57 E	23*	49*
3 22	3 42.79	−11 13.4	0.738	0.838	78.1	21.2	55 E	21*	48*
3 27	3 50.25	−10 52.5	0.707	0.807	82.2	21.2	53 E	19*	46*
4 1	3 56.61	−10 23.3	0.671	0.776	87.0	21.1	51 E	16*	44*
4 6	4 1.40	− 9 41.2	0.630	0.745	93.0	21.2	48 E	14*	42*
4 11	4 3.93	− 8 38.6	0.585	0.716	100.2	21.3	45 E	11*	39*
4 16	4 3.29	− 7 4.5	0.538	0.689	109.2	21.5	40 E	7*	34*

20/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
	h m	° ′			°	m	°	°	°
194126 2001 SG_{276}									
12 27	1 14.14	+26 45.6	1.178	1.785	31.0	20.7	111 E	72	37*
1 1	1 15.66	+27 12.7	1.232	1.782	31.9	20.9	107 E	72	36*
1 6	1 18.23	+27 42.4	1.286	1.780	32.6	21.0	102 E	73	34*
1 11	1 21.75	+28 14.5	1.340	1.776	33.2	21.1	99 E	73	32*
1 16	1 26.14	+28 49.1	1.394	1.772	33.6	21.2	95 E	74	30*
1 21	1 31.32	+29 26.1	1.447	1.768	33.8	21.2	91 E	74	29*
1 26	1 37.24	+30 5.1	1.500	1.763	33.9	21.3	88 E	75*	27*
1 31	1 43.83	+30 45.9	1.550	1.758	33.9	21.4	85 E	74*	25*
2 5	1 51.05	+31 28.3	1.600	1.751	33.8	21.4	82 E	73*	23*
2 10	1 58.87	+32 11.9	1.648	1.745	33.7	21.5	79 E	71*	21*
10115 1992 SK									
12 27	1 14.23	+30 18.2	1.012	1.654	33.5	19.6	112 E	75	33*
1 1	1 17.88	+30 4.8	1.060	1.652	34.5	19.7	108 E	75	33*
1 6	1 22.51	+29 57.0	1.108	1.651	35.3	19.9	104 E	75	32*
1 11	1 28.02	+29 54.6	1.157	1.648	35.9	20.0	100 E	75	31*
1 16	1 34.31	+29 57.0	1.205	1.644	36.4	20.1	97 E	75	30*
1 26	1 48.98	+30 14.3	1.300	1.634	37.0	20.2	90 E	75*	28*
2 5	2 6.01	+30 44.1	1.390	1.621	37.2	20.4	84 E	74*	25*
2 15	2 25.14	+31 22.3	1.476	1.604	37.1	20.5	79 E	71*	23*
2 25	2 46.16	+32 4.9	1.554	1.583	36.8	20.5	73 E	66*	22*
3 7	3 8.91	+32 47.8	1.625	1.559	36.2	20.6	68 E	62*	20*
3 17	3 33.32	+33 27.2	1.687	1.532	35.6	20.6	64 E	57*	19*
3 27	3 59.31	+33 59.3	1.740	1.501	34.9	20.6	59 E	53*	18*
4 6	4 26.78	+34 20.3	1.784	1.467	34.1	20.6	55 E	48*	18*
4 16	4 55.64	+34 26.3	1.818	1.429	33.4	20.6	52 E	44*	18*
4 26	5 25.74	+34 13.7	1.842	1.389	32.6	20.5	48 E	40*	18*
5 6	5 56.88	+33 38.9	1.856	1.345	32.0	20.4	45 E	36*	18*
5 16	6 28.86	+32 38.6	1.861	1.299	31.4	20.4	42 E	32*	19*
5 26	7 1.44	+31 9.7	1.856	1.250	30.9	20.3	39 E	28*	19*
6 5	7 34.38	+29 9.9	1.842	1.199	30.6	20.1	37 E	24*	20*
6 15	8 7.50	+26 37.0	1.820	1.147	30.5	20.0	35 E	20*	21*
6 25	8 40.65	+23 30.0	1.789	1.094	30.7	19.9	33 E	16*	22*
7 5	9 13.80	+19 48.2	1.751	1.042	31.3	19.7	32 E	13*	23*
7 15	9 47.01	+15 31.8	1.707	0.991	32.2	19.6	31 E	10*	23*
7 25	10 20.46	+10 42.2	1.657	0.945	33.7	19.5	31 E	7*	24*
8 4	10 54.44	+ 5 22.6	1.602	0.905	35.7	19.4	31 E	5*	25*
8 9	11 11.79	+ 2 33.0	1.573	0.887	36.8	19.3	32 E	4*	26*
8 14	11 29.46	− 0 22.1	1.544	0.873	38.1	19.3	32 E	3*	26*
8 19	11 47.54	− 3 21.4	1.515	0.861	39.5	19.2	33 E	2*	27*
8 24	12 6.11	− 6 23.6	1.485	0.852	41.0	19.2	34 E	1*	27*
8 29	12 25.30	− 9 27.1	1.456	0.846	42.5	19.2	34 E	1*	28*
9 3	12 45.22	−12 30.2	1.428	0.843	44.0	19.2	35 E	—	29*
9 8	13 5.99	−15 30.5	1.402	0.844	45.4	19.2	37 E	—	30*
9 13	13 27.72	−18 25.8	1.377	0.848	46.7	19.2	38 E	—	31*
9 18	13 50.52	−21 13.2	1.354	0.856	47.8	19.2	39 E	—	32*
9 23	14 14.46	−23 49.7	1.334	0.866	48.8	19.2	40 E	—	33*
9 28	14 39.60	−26 12.2	1.317	0.879	49.5	19.3	42 E	—	35*
10 3	15 5.91	−28 17.6	1.304	0.895	50.0	19.3	43 E	—	36*
10 8	15 33.29	−30 2.8	1.295	0.914	50.2	19.3	45 E	1*	38*
10 13	16 1.53	−31 25.3	1.291	0.934	50.2	19.4	46 E	2*	39*
10 18	16 30.36	−32 23.1	1.291	0.956	50.0	19.4	47 E	3*	41*
10 23	16 59.41	−32 55.3	1.296	0.979	49.5	19.5	48 E	4*	42*
10 28	17 28.30	−33 2.1	1.305	1.003	48.9	19.5	50 E	6*	43*
11 2	17 56.65	−32 44.4	1.319	1.028	48.1	19.6	50 E	7*	44*
11 7	18 24.13	−32 4.5	1.338	1.054	47.1	19.6	51 E	9*	45*
11 12	18 50.49	−31 5.0	1.361	1.080	46.1	19.7	52 E	11*	46*
11 17	19 15.56	−29 48.9	1.387	1.106	45.0	19.8	52 E	12*	46*
11 22	19 39.26	−28 19.4	1.418	1.133	43.8	19.8	53 E	14*	46*
11 27	20 1.60	−26 39.4	1.452	1.159	42.6	19.9	53 E	16*	45*
12 2	20 22.62	−24 51.4	1.489	1.185	41.3	20.0	53 E	18*	44*
12 7	20 42.41	−22 57.8	1.529	1.211	40.1	20.0	52 E	20*	43*
12 12	21 1.07	−21 0.5	1.571	1.237	38.8	20.1	52 E	22*	41*
12 17	21 18.70	−19 0.9	1.616	1.262	37.5	20.2	51 E	24*	39*
12 22	21 35.41	−17 0.4	1.661	1.286	36.2	20.2	51 E	25*	38*
12 27	21 51.31	−14 59.8	1.708	1.310	35.0	20.3	50 E	27*	35*
1 1	22 6.51	−12 59.8	1.756	1.333	33.7	20.4	49 E	28*	33*
1 6	22 21.08	−11 1.0	1.805	1.356	32.5	20.4	48 E	29*	31*
1 11	22 35.12	− 9 3.7	1.854	1.378	31.2	20.5	47 E	30*	29*
1 16	22 48.68	− 7 8.2	1.903	1.399	30.0	20.5	45 E	30*	27*
1 21	23 1.84	− 5 14.7	1.952	1.419	28.8	20.6	44 E	31*	25*
217647 1998 OR_{11}									
12 27	1 14.35	+45 35.5	1.118	1.774	30.1	19.1	115 E	89	18*
1 1	1 25.15	+44 38.2	1.159	1.786	30.5	19.2	113 E	90	19*
1 6	1 36.40	+43 44.1	1.202	1.799	30.8	19.3	110 E	89	19*
1 11	1 48.00	+42 53.2	1.249	1.812	31.1	19.4	108 E	88	20*
1 16	1 59.89	+42 5.4	1.297	1.825	31.3	19.5	105 E	87	20*
1 21	2 12.01	+41 20.7	1.348	1.839	31.4	19.6	103 E	86	21*
1 26	2 24.29	+40 38.7	1.402	1.853	31.5	19.7	100 E	86	21*
1 31	2 36.67	+39 59.3	1.457	1.868	31.5	19.8	98 E	85	21*

20/21	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
	h m	° ′			°	m	°	°	°
217647 1998 OR_{11} *(continuation)*									
2 5	2 49.13	+39 22.0	1.514	1.883	31.4	19.9	95 E	84	22*
2 10	3 1.64	+38 46.6	1.573	1.898	31.3	20.0	93 E	84*	22*
2 15	3 14.16	+38 12.8	1.634	1.913	31.1	20.1	90 E	82*	22*
2 25	3 39.17	+37 9.1	1.760	1.945	30.5	20.3	85 E	78*	23*
3 7	4 3.98	+36 8.3	1.890	1.977	29.6	20.5	80 E	73*	23*
3 17	4 28.48	+35 8.4	2.023	2.010	28.6	20.6	75 E	68*	24*
3 27	4 52.60	+34 7.9	2.158	2.044	27.3	20.7	70 E	62*	24*
4 6	5 16.24	+33 5.2	2.293	2.078	25.9	20.9	65 E	57*	25*
4 16	5 39.37	+31 59.4	2.427	2.113	24.3	21.0	60 E	51*	25*
4 26	6 1.94	+30 49.7	2.559	2.147	22.6	21.1	55 E	45*	25*
5 6	6 23.92	+29 35.4	2.687	2.182	20.8	21.2	50 E	38*	25*
5 16	6 45.30	+28 16.5	2.810	2.216	18.9	21.2	45 E	32*	24*
5 26	7 6.07	+26 52.6	2.927	2.250	16.9	21.3	40 E	26*	23*
6 5	7 26.20	+25 24.0	3.036	2.284	14.9	21.3	35 E	20*	21*
6 15	7 45.73	+23 50.6	3.138	2.318	12.8	21.4	30 E	15*	19*
6 25	8 4.65	+22 12.8	3.230	2.352	10.7	21.4	25 E	10*	16*
7 5	8 22.97	+20 30.7	3.312	2.385	8.5	21.4	20 E	5*	13*
7 15	8 40.71	+18 44.8	3.383	2.417	6.3	21.4	15 E	1*	8*
7 25	8 57.90	+16 55.3	3.443	2.449	4.2	21.3	10 E	—	4*
8 4	9 14.53	+15 2.7	3.490	2.480	2.0	21.2	5 E	—	—
8 14	9 30.64	+13 7.2	3.524	2.511	0.6	21.2	2 W	—	—
8 24	9 46.21	+11 9.3	3.544	2.541	2.4	21.3	6 W	—	—
9 3	10 1.27	+ 9 9.4	3.551	2.570	4.5	21.5	12 W	3*	4*
378009 2006 SG_{46}									
12 27	1 14.85	+ 4 12.7	1.433	1.918	29.9	21.2	103 E	49	59*
1 6	1 28.69	+ 5 33.1	1.569	1.950	30.0	21.4	97 E	51	56*
1 16	1 43.68	+ 6 59.3	1.708	1.982	29.7	21.6	91 E	52	52*
1 26	1 59.60	+ 8 28.7	1.850	2.016	29.1	21.8	85 E	53	48*
2 5	2 16.29	+ 9 58.5	1.993	2.049	28.2	22.0	79 E	54*	44*
233972 1992 PZ_5									
12 27	1 14.90	+16 3.4	1.670	2.182	25.4	20.8	108 E	61	47*
1 6	1 24.45	+16 34.2	1.829	2.222	25.8	21.0	100 E	62	45*
1 16	1 35.61	+17 14.8	1.992	2.262	25.8	21.2	93 E	62	42*
1 26	1 48.08	+18 3.1	2.156	2.300	25.3	21.4	86 E	63*	38*
2 5	2 1.60	+18 56.6	2.319	2.337	24.4	21.6	79 E	63*	35*
4503 Cleobulus									
12 27	1 15.06	+ 8 43.2	1.046	1.612	36.1	18.2	105 E	54	55*
1 6	1 25.01	+10 1.4	1.079	1.555	38.8	18.3	98 E	55	51*
1 16	1 38.88	+11 39.0	1.111	1.501	40.9	18.3	91 E	57	47*
1 26	1 56.43	+13 32.3	1.139	1.451	42.6	18.3	86 E	59	43*
2 5	2 17.44	+15 36.3	1.164	1.406	43.9	18.4	81 E	60*	40*
2 15	2 41.81	+17 45.7	1.187	1.367	44.8	18.4	77 E	60*	37*
2 25	3 9.47	+19 54.3	1.206	1.335	45.5	18.4	74 E	60*	35*
3 7	3 40.30	+21 54.4	1.225	1.310	45.9	18.4	72 E	59*	33*
3 17	4 14.13	+23 38.3	1.245	1.294	46.1	18.4	70 E	58*	32*
3 27	4 50.61	+24 57.4	1.267	1.287	46.0	18.4	68 E	56*	32*
4 6	5 29.16	+25 44.1	1.295	1.290	45.6	18.5	67 E	54*	32*
4 11	5 48.96	+25 53.5	1.311	1.295	45.2	18.5	67 E	53*	33*
4 16	6 8.98	+25 52.9	1.330	1.302	44.8	18.5	66 E	52*	33*
4 21	6 29.07	+25 42.2	1.350	1.311	44.3	18.5	66 E	51*	34*
4 26	6 49.13	+25 21.4	1.373	1.322	43.8	18.6	65 E	50*	35*
5 1	7 9.02	+24 50.8	1.398	1.336	43.2	18.6	65 E	48*	36*
5 6	7 28.64	+24 10.8	1.426	1.351	42.5	18.7	65 E	47*	36*
5 11	7 47.91	+23 22.3	1.457	1.368	41.7	18.7	64 E	45*	37*
5 16	8 6.76	+22 25.9	1.491	1.387	40.9	18.8	64 E	43*	38*
5 21	8 25.12	+21 22.5	1.527	1.407	40.1	18.8	64 E	41*	39*
5 26	8 42.96	+20 13.1	1.566	1.429	39.2	18.9	63 E	39*	40*
5 31	9 0.24	+18 58.7	1.607	1.453	38.3	19.0	63 E	37*	41*
6 5	9 16.96	+17 40.2	1.652	1.477	37.3	19.0	62 E	34*	42*
6 10	9 33.14	+16 18.5	1.699	1.503	36.3	19.1	61 E	32*	43*
6 15	9 48.77	+14 54.3	1.748	1.530	35.3	19.2	61 E	30*	44*
6 20	10 3.88	+13 28.4	1.800	1.557	34.3	19.3	60 E	28*	45*
6 25	10 18.49	+12 1.4	1.853	1.585	33.2	19.3	59 E	26*	45*
6 30	10 32.63	+10 34.0	1.909	1.615	32.2	19.4	58 E	24*	46*
7 5	10 46.32	+ 9 6.6	1.967	1.644	31.1	19.5	57 E	22*	46*
7 15	11 12.52	+ 6 13.3	2.087	1.705	28.9	19.6	54 E	19*	45*
7 25	11 37.33	+ 3 24.2	2.212	1.767	26.7	19.8	51 E	16*	44*
8 4	12 0.95	+ 0 41.0	2.340	1.831	24.5	19.9	48 E	13*	41*
8 14	12 23.61	− 1 55.2	2.470	1.895	22.2	20.0	45 E	11*	39*
8 24	12 45.46	− 4 23.5	2.600	1.959	20.0	20.1	41 E	10*	35*
9 3	13 6.65	− 6 43.5	2.728	2.023	17.7	20.2	38 E	8*	31*
9 13	13 27.32	− 8 54.8	2.853	2.088	15.4	20.3	33 E	6*	27*
9 23	13 47.53	−10 57.3	2.973	2.151	13.1	20.4	29 E	5*	23*
10 3	14 7.37	−12 50.8	3.087	2.214	10.7	20.5	24 E	3*	18*
10 13	14 26.89	−14 35.2	3.193	2.277	8.4	20.5	20 E	2*	13*
10 23	14 46.12	−16 10.4	3.288	2.339	6.1	20.5	15 E	—	8*
11 2	15 5.06	−17 36.5	3.373	2.399	3.8	20.5	9 E	—	3*

20/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
	h m	° ′			°	m	°	°	°
4503 Cleobulus *(continuation)*									
11 12	15 23.71	−18 53.5	3.446	2.459	1.6	20.4	4 E	—	—
11 22	15 42.04	−20 1.5	3.505	2.518	0.7	20.5	2 W	—	—
12 2	16 0.02	−21 0.6	3.550	2.576	2.9	20.7	8 W	—	—
12 12	16 17.58	−21 51.1	3.580	2.633	5.0	20.9	14 W	4*	5*
12 22	16 34.64	−22 33.3	3.594	2.689	7.1	21.0	20 W	7*	11*
1 1	16 51.13	−23 7.8	3.593	2.743	9.1	21.2	26 W	10*	17*
1 11	17 6.95	−23 35.2	3.575	2.797	10.9	21.3	33 W	12*	24*
1 21	17 21.98	−23 56.0	3.541	2.849	12.6	21.4	39 W	14*	31*
267940 2004 EM_{20}									
12 27	1 15.62	+46 22.7	0.562	1.325	42.1	21.3	115 E	89	17*
12 29	1 22.72	+45 41.7	0.583	1.338	41.8	21.4	115 E	89	18*
12 31	1 29.51	+45 2.7	0.606	1.351	41.5	21.5	114 E	90	19*
1 2	1 36.01	+44 25.7	0.628	1.364	41.3	21.6	114 E	89	19*
1 4	1 42.28	+43 50.6	0.651	1.376	41.1	21.7	113 E	89	20*
276331 2002 TL_{255}									
12 27	1 15.71	− 7 13.2	1.042	1.540	39.1	19.2	99 E	38	70*
1 1	1 23.93	− 7 17.9	1.071	1.526	39.9	19.2	96 E	38	69*
1 6	1 32.78	− 7 14.7	1.100	1.513	40.5	19.3	93 E	38	68*
1 11	1 42.22	− 7 4.3	1.128	1.501	40.9	19.4	90 E	38	66*
1 16	1 52.21	− 6 47.5	1.156	1.490	41.3	19.4	88 E	38	64*
1 21	2 2.71	− 6 25.0	1.184	1.480	41.5	19.4	86 E	39	63*
1 26	2 13.69	− 5 57.7	1.211	1.471	41.7	19.5	83 E	39	61*
1 31	2 25.10	− 5 26.1	1.238	1.464	41.7	19.5	82 E	40	60*
2 5	2 36.92	− 4 50.9	1.264	1.458	41.7	19.6	80 E	40*	58*
2 10	2 49.13	− 4 12.7	1.290	1.453	41.6	19.6	78 E	41*	57*
2 15	3 1.71	− 3 31.9	1.316	1.449	41.5	19.6	77 E	41*	56*
2 25	3 27.90	− 2 5.6	1.366	1.446	41.1	19.7	74 E	41*	54*
3 7	3 55.29	− 0 36.5	1.418	1.449	40.5	19.8	71 E	40*	53*
3 17	4 23.73	+ 0 51.2	1.471	1.456	39.7	19.8	69 E	40*	52*
3 27	4 53.03	+ 2 13.2	1.527	1.469	38.8	19.9	67 E	38*	51*
4 6	5 22.93	+ 3 25.8	1.587	1.487	37.8	20.0	66 E	36*	50*
4 16	5 53.23	+ 4 25.9	1.653	1.510	36.6	20.1	64 E	34*	50*
4 26	6 23.64	+ 5 10.8	1.724	1.537	35.4	20.2	62 E	31*	49*
5 6	6 53.90	+ 5 39.3	1.802	1.568	33.9	20.3	60 E	27*	48*
5 16	7 23.77	+ 5 50.7	1.886	1.602	32.4	20.4	58 E	24*	47*
5 26	7 53.05	+ 5 45.2	1.977	1.638	30.8	20.5	56 E	20*	46*
6 5	8 21.54	+ 5 23.9	2.072	1.678	29.0	20.6	53 E	16*	45*
6 15	8 49.16	+ 4 48.4	2.173	1.719	27.2	20.7	51 E	12*	43*
6 25	9 15.85	+ 4 0.4	2.277	1.762	25.3	20.8	48 E	9*	41*
7 5	9 41.57	+ 3 2.0	2.383	1.807	23.3	20.9	45 E	6*	38*
7 15	10 6.37	+ 1 55.1	2.490	1.852	21.2	21.0	41 E	4*	35*
7 25	10 30.28	+ 0 41.6	2.597	1.898	19.1	21.0	38 E	2*	32*
8 4	10 53.37	− 0 36.6	2.701	1.945	17.0	21.1	34 E	1*	28*
8 14	11 15.72	− 1 57.9	2.803	1.991	14.8	21.2	30 E	—	24*
8 24	11 37.39	− 3 21.0	2.899	2.038	12.5	21.2	26 E	—	20*
9 3	11 58.46	− 4 44.3	2.990	2.085	10.2	21.2	22 E	—	15*
9 13	12 19.01	− 6 6.8	3.073	2.131	8.0	21.2	17 E	—	11*
9 23	12 39.08	− 7 27.2	3.147	2.177	5.7	21.2	12 E	—	6*
10 3	12 58.72	− 8 44.5	3.211	2.223	3.4	21.2	8 E	—	1*
10 13	13 17.99	− 9 57.8	3.264	2.268	1.2	21.1	3 E	—	—
10 23	13 36.88	−11 6.1	3.305	2.312	1.4	21.2	3 W	—	—
11 2	13 55.42	−12 8.6	3.333	2.356	3.5	21.4	8 W	1*	—
480821 1998 WA_4									
12 27	1 16.14	−12 52.2	0.877	1.391	44.6	19.5	97 E	32	76*
1 1	1 27.42	−10 45.7	0.897	1.390	44.8	19.6	95 E	34	73*
1 6	1 39.17	− 8 35.8	0.919	1.390	44.9	19.6	94 E	36	70*
1 11	1 51.34	− 6 23.5	0.942	1.393	44.9	19.7	93 E	39	67*
1 16	2 3.91	− 4 9.9	0.967	1.397	44.7	19.8	92 E	41	64*
1 21	2 16.83	− 1 56.2	0.993	1.403	44.5	19.8	90 E	43	61*
1 26	2 30.07	+ 0 16.2	1.022	1.411	44.3	19.9	89 E	45	59*
1 31	2 43.60	+ 2 26.4	1.053	1.420	43.9	20.0	88 E	47	56*
2 5	2 57.38	+ 4 33.1	1.087	1.431	43.5	20.0	87 E	50	54*
2 10	3 11.39	+ 6 35.4	1.122	1.444	43.0	20.1	86 E	52	52*
2 15	3 25.62	+ 8 32.5	1.161	1.458	42.4	20.2	85 E	53*	50*
2 25	3 54.59	+12 7.8	1.245	1.491	41.2	20.4	83 E	56*	47*
3 7	4 24.00	+15 14.2	1.339	1.529	39.8	20.5	80 E	58*	44*
3 17	4 53.65	+17 49.0	1.442	1.571	38.3	20.7	78 E	58*	42*
3 27	5 23.26	+19 51.4	1.554	1.617	36.6	20.9	75 E	57*	40*
4 6	5 52.57	+21 22.3	1.673	1.666	34.9	21.1	72 E	55*	39*
4 16	6 21.37	+22 23.4	1.799	1.717	33.1	21.2	69 E	52*	38*
4 26	6 49.45	+22 57.3	1.929	1.771	31.2	21.4	66 E	48*	37*
474181 1999 VP_{79}									
12 27	1 16.91	+ 2 34.6	1.563	2.029	28.1	21.1	103 E	48	61*
1 1	1 23.57	+ 2 20.7	1.642	2.050	28.2	21.2	100 E	47	60*
1 6	1 30.44	+ 2 13.2	1.721	2.071	28.2	21.3	96 E	47	59*
1 11	1 37.49	+ 2 11.2	1.802	2.093	28.0	21.4	93 E	47	58*
1 16	1 44.71	+ 2 13.9	1.883	2.114	27.7	21.5	89 E	47	56*

20/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
	h m	° ′			°	m	°	°	°
377114 2002 XL_{29}									
12 27	1 17.28	−12 44.6	2.532	2.825	20.2	21.2	97 E	32	75*
1 6	1 20.30	−10 47.1	2.643	2.800	20.6	21.3	89 E	34	69*
1 16	1 25.30	− 8 44.8	2.754	2.774	20.5	21.3	81 E	36	61*
1 26	1 32.05	− 6 39.6	2.861	2.747	20.1	21.4	73 E	38*	54*
2 5	1 40.32	− 4 33.1	2.963	2.719	19.4	21.4	66 E	38*	47*
2 15	1 49.93	− 2 26.3	3.058	2.691	18.4	21.4	59 E	37*	41*
2 25	2 0.72	− 0 20.3	3.144	2.662	17.2	21.4	53 E	34*	36*
3 7	2 12.55	+ 1 44.2	3.219	2.632	15.8	21.4	46 E	30*	31*
3 17	2 25.32	+ 3 46.7	3.283	2.601	14.2	21.4	40 E	25*	27*
3 27	2 38.95	+ 5 46.3	3.334	2.569	12.6	21.3	34 E	20*	23*
4 6	2 53.37	+ 7 42.6	3.373	2.537	10.8	21.2	28 E	15*	18*
4 16	3 8.55	+ 9 35.0	3.399	2.504	8.9	21.2	23 E	10*	14*
4 26	3 24.44	+11 23.0	3.412	2.470	7.0	21.0	17 E	4*	10*
5 6	3 41.03	+13 6.0	3.412	2.436	5.1	20.9	12 E	—	6*
5 16	3 58.29	+14 43.6	3.399	2.401	3.3	20.8	8 E	—	2*
5 26	4 16.22	+16 15.1	3.373	2.366	2.1	20.7	5 E	—	—
6 5	4 34.81	+17 40.2	3.336	2.330	2.7	20.6	6 W	—	—
6 15	4 54.04	+18 58.3	3.287	2.294	4.4	20.7	10 W	—	4*
6 25	5 13.91	+20 9.0	3.227	2.257	6.5	20.7	14 W	—	8*
7 5	5 34.41	+21 11.9	3.157	2.221	8.6	20.7	19 W	5*	11*
7 15	5 55.53	+22 6.7	3.078	2.184	10.7	20.7	24 W	10*	14*
7 25	6 17.24	+22 53.0	2.990	2.147	12.8	20.7	28 W	15*	16*
8 4	6 39.53	+23 30.8	2.894	2.110	15.0	20.7	33 W	21*	18*
8 14	7 2.39	+24 0.0	2.791	2.073	17.1	20.6	37 W	26*	19*
8 24	7 25.78	+24 20.7	2.683	2.036	19.1	20.6	41 W	31*	20*
9 3	7 49.69	+24 33.2	2.570	2.000	21.2	20.5	46 W	37*	21*
9 13	8 14.09	+24 37.8	2.453	1.965	23.1	20.4	50 W	41*	22*
9 23	8 38.95	+24 35.2	2.334	1.930	25.0	20.3	54 W	46*	22*
10 3	9 4.26	+24 26.4	2.214	1.896	26.8	20.2	59 W	51*	23*
10 13	9 29.98	+24 12.4	2.094	1.864	28.5	20.1	63 W	55*	24*
10 23	9 56.08	+23 54.7	1.975	1.832	30.0	20.0	67 W	59*	24*
11 2	10 22.54	+23 34.9	1.858	1.802	31.4	19.9	71 W	62*	25*
11 12	10 49.28	+23 14.9	1.746	1.774	32.7	19.7	75 W	65*	27*
11 22	11 16.20	+22 56.9	1.638	1.749	33.7	19.6	79 W	67*	28*
12 2	11 43.21	+22 43.2	1.535	1.725	34.6	19.4	83 W	68*	30*
12 12	12 10.08	+22 36.4	1.439	1.704	35.3	19.3	87 W	68	32*
12 22	12 36.57	+22 38.7	1.350	1.685	35.7	19.1	91 W	68	34*
1 1	13 2.36	+22 52.3	1.268	1.670	35.9	19.0	95 W	68	36*
1 11	13 27.00	+23 19.1	1.193	1.657	35.9	18.8	99 W	68	38*
1 21	13 50.00	+23 59.9	1.125	1.648	35.6	18.7	103 W	69	39*
75079 1999 VN_{24}									
12 27	1 17.67	−16 37.4	1.432	1.810	32.7	17.2	95 E	28	79*
1 1	1 23.31	−15 56.2	1.467	1.796	33.2	17.3	92 E	29	76*
1 6	1 29.56	−15 10.2	1.502	1.783	33.5	17.3	89 E	30	73*
1 11	1 36.39	−14 20.0	1.536	1.769	33.7	17.4	86 E	31	70*
1 16	1 43.76	−13 26.1	1.570	1.757	33.8	17.4	84 E	32	67*
1 26	1 59.97	−11 28.9	1.634	1.732	33.8	17.5	79 E	34	62*
2 5	2 17.95	− 9 22.5	1.696	1.711	33.6	17.5	74 E	35*	58*
2 15	2 37.53	− 7 9.7	1.754	1.691	33.3	17.6	70 E	36*	54*
2 25	2 58.54	− 4 53.7	1.809	1.674	32.7	17.6	66 E	36*	51*
3 7	3 20.87	− 2 37.7	1.862	1.660	32.1	17.6	63 E	35*	48*
3 17	3 44.40	− 0 24.3	1.914	1.649	31.3	17.6	59 E	34*	45*
3 27	4 9.03	+ 1 43.1	1.965	1.641	30.5	17.7	56 E	32*	43*
4 6	4 34.64	+ 3 41.8	2.017	1.636	29.5	17.7	54 E	29*	41*
4 16	5 1.11	+ 5 29.0	2.069	1.634	28.5	17.7	51 E	26*	40*
4 26	5 28.27	+ 7 2.3	2.123	1.636	27.3	17.7	48 E	23*	38*
5 6	5 55.95	+ 8 19.8	2.180	1.641	26.1	17.8	46 E	20*	36*
5 16	6 23.97	+ 9 19.9	2.238	1.649	24.7	17.8	43 E	16*	34*
5 26	6 52.14	+10 1.8	2.299	1.660	23.2	17.8	40 E	12*	33*
6 5	7 20.24	+10 25.5	2.361	1.674	21.6	17.8	37 E	9*	30*
6 15	7 48.12	+10 31.3	2.425	1.690	20.0	17.9	35 E	6*	28*
6 25	8 15.62	+10 20.4	2.490	1.710	18.2	17.9	32 E	3*	25*
7 5	8 42.61	+ 9 54.2	2.555	1.732	16.3	17.9	29 E	1*	22*
7 15	9 9.03	+ 9 14.4	2.620	1.756	14.3	17.9	25 E	—	19*
7 25	9 34.80	+ 8 22.9	2.683	1.782	12.3	17.9	22 E	—	16*
8 4	9 59.90	+ 7 21.9	2.743	1.809	10.2	17.9	18 E	—	12*
8 14	10 24.36	+ 6 13.2	2.800	1.839	8.1	17.9	15 E	—	9*
8 24	10 48.19	+ 4 58.9	2.851	1.869	6.0	17.9	11 E	—	5*
9 3	11 11.41	+ 3 40.9	2.898	1.901	3.8	17.9	7 E	—	1*
9 13	11 34.09	+ 2 21.0	2.938	1.933	1.6	17.8	3 E	—	—
9 23	11 56.26	+ 1 0.9	2.970	1.967	0.7	17.8	1 W	—	—
10 3	12 17.96	− 0 17.7	2.994	2.001	2.8	18.0	6 W	—	—
10 13	12 39.24	− 1 33.3	3.009	2.035	5.0	18.2	10 W	4*	—
10 23	13 0.10	− 2 44.4	3.015	2.070	7.1	18.3	15 W	9*	1*
11 2	13 20.57	− 3 49.6	3.010	2.105	9.2	18.4	20 W	13*	4*
11 12	13 40.63	− 4 47.6	2.995	2.139	11.3	18.5	25 W	18*	7*
11 22	14 0.27	− 5 37.1	2.970	2.174	13.2	18.6	30 W	22*	11*
12 2	14 19.45	− 6 16.8	2.934	2.209	15.1	18.7	36 W	26*	16*
12 12	14 38.09	− 6 45.7	2.887	2.243	16.8	18.8	41 W	29*	21*
12 22	14 56.11	− 7 2.6	2.830	2.277	18.4	18.8	47 W	32*	27*

20/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
	75079 1999 VN_{24} *(continuation)*								
	h m	° ′			°	m	°	°	°
1 1	15 13.40	− 7 6.8	2.764	2.311	19.9	18.8	53 W	34*	33*
1 11	15 29.82	− 6 57.3	2.688	2.344	21.1	18.8	59 W	36*	40*
1 21	15 45.22	− 6 33.5	2.605	2.376	22.2	18.8	66 W	37*	46*
	354408 2003 UR_{205}								
12 27	1 18.41	+ 7 11.0	1.069	1.634	35.5	19.1	105 E	52	56*
1 6	1 39.05	+ 7 58.0	1.167	1.655	35.8	19.3	100 E	53	54*
1 16	2 0.51	+ 8 57.3	1.272	1.679	35.7	19.5	95 E	54	52*
1 26	2 22.57	+10 4.2	1.383	1.708	35.2	19.7	91 E	55	49*
2 5	2 45.05	+11 14.0	1.499	1.739	34.5	19.9	86 E	56	47*
2 15	3 7.84	+12 23.2	1.620	1.773	33.5	20.1	82 E	57*	45*
2 25	3 30.84	+13 28.7	1.744	1.809	32.3	20.3	77 E	56*	43*
3 7	3 53.93	+14 28.0	1.872	1.847	30.9	20.4	73 E	54*	41*
3 17	4 17.07	+15 19.3	2.002	1.887	29.5	20.6	69 E	51*	40*
3 27	4 40.16	+16 1.1	2.133	1.929	27.9	20.7	65 E	48*	38*
4 6	5 3.12	+16 32.3	2.264	1.972	26.2	20.8	60 E	43*	37*
4 16	5 25.89	+16 52.5	2.395	2.016	24.4	21.0	56 E	39*	36*
4 26	5 48.39	+17 1.4	2.525	2.060	22.6	21.1	52 E	34*	34*
5 6	6 10.55	+16 58.9	2.652	2.105	20.7	21.2	47 E	28*	33*
5 16	6 32.32	+16 45.4	2.775	2.151	18.7	21.2	43 E	22*	31*
5 26	6 53.64	+16 21.2	2.893	2.196	16.8	21.3	39 E	17*	29*
6 5	7 14.47	+15 47.1	3.006	2.242	14.8	21.4	34 E	12*	26*
6 15	7 34.78	+15 3.6	3.113	2.288	12.8	21.4	30 E	7*	23*
6 25	7 54.54	+14 11.7	3.212	2.333	10.7	21.4	25 E	2*	19*
7 5	8 13.75	+13 12.0	3.302	2.379	8.7	21.5	21 E	—	15*
7 15	8 32.39	+12 5.5	3.383	2.424	6.8	21.5	16 E	—	10*
7 25	8 50.45	+10 53.0	3.453	2.468	4.9	21.5	12 E	—	5*
8 4	9 7.95	+ 9 35.4	3.512	2.512	3.3	21.5	8 E	—	—
8 14	9 24.87	+ 8 13.4	3.559	2.556	2.6	21.5	7 W	—	—
	420262 2011 KD_{11}								
12 27	1 18.74	+10 42.4	0.432	1.183	52.7	20.5	107 E	56	53*
1 6	1 30.10	+ 4 45.3	0.435	1.122	60.4	20.6	97 E	50	57*
1 16	1 45.98	− 0 40.6	0.435	1.066	67.3	20.7	89 E	44	59*
1 26	2 5.28	− 5 49.7	0.431	1.015	73.6	20.8	82 E	39	60*
2 5	2 26.88	−10 59.0	0.422	0.972	79.4	20.8	76 E	34*	60*
2 15	2 49.95	−16 22.5	0.407	0.940	84.5	20.9	71 E	28*	61*
2 25	3 13.86	−22 10.9	0.386	0.921	88.6	20.9	68 E	21*	62*
3 7	3 38.36	−28 30.0	0.362	0.916	91.2	20.8	67 E	13*	61*
3 17	4 4.35	−35 19.5	0.335	0.926	91.8	20.7	69 E	4*	60*
3 27	4 34.68	−42 40.9	0.306	0.950	89.9	20.5	72 E	—	59*
3 29	4 41.75	−44 12.9	0.301	0.957	89.1	20.4	73 E	—	58*
3 31	4 49.32	−45 46.0	0.295	0.963	88.3	20.4	75 E	—	58*
4 2	4 57.51	−47 20.1	0.289	0.971	87.3	20.3	76 E	—	58*
4 4	5 6.42	−48 55.0	0.283	0.978	86.2	20.2	77 E	—	57*
4 6	5 16.22	−50 30.3	0.278	0.986	84.9	20.2	79 E	—	57*
4 8	5 27.07	−52 5.7	0.272	0.995	83.5	20.1	81 E	—	56*
4 10	5 39.16	−53 40.6	0.267	1.004	81.9	20.0	83 E	—	56*
4 12	5 52.73	−55 14.1	0.262	1.013	80.3	19.9	85 E	—	56*
4 14	6 8.03	−56 44.9	0.257	1.022	78.4	19.8	87 E	—	55*
4 16	6 25.33	−58 11.5	0.252	1.032	76.4	19.7	89 E	—	55*
4 17	6 34.81	−58 52.5	0.250	1.037	75.4	19.7	91 E	—	55*
4 18	6 44.89	−59 31.6	0.248	1.042	74.3	19.7	92 E	—	55*
4 19	6 55.58	−60 8.4	0.246	1.048	73.2	19.6	93 E	—	54*
4 20	7 6.90	−60 42.5	0.244	1.053	72.0	19.6	95 E	—	54*
4 21	7 18.86	−61 13.5	0.242	1.058	70.8	19.5	96 E	—	54*
4 22	7 31.46	−61 40.9	0.241	1.063	69.6	19.5	97 E	—	54*
4 23	7 44.68	−62 4.2	0.239	1.069	68.3	19.4	99 E	—	54*
4 24	7 58.46	−62 23.0	0.238	1.074	67.0	19.4	100 E	—	54*
4 25	8 12.76	−62 36.7	0.236	1.080	65.7	19.4	102 E	—	53
4 26	8 27.50	−62 45.0	0.235	1.085	64.3	19.3	103 E	—	53
4 27	8 42.58	−62 47.5	0.234	1.091	63.0	19.3	105 E	—	53
4 28	8 57.88	−62 43.9	0.234	1.097	61.6	19.2	107 E	—	53
4 29	9 13.28	−62 33.9	0.233	1.103	60.1	19.2	108 E	—	53
4 30	9 28.65	−62 17.4	0.233	1.108	58.7	19.2	110 E	—	54
5 1	9 43.86	−61 54.4	0.232	1.114	57.3	19.1	112 E	—	54
5 2	9 58.80	−61 25.1	0.233	1.120	55.8	19.1	113 E	—	55
5 3	10 13.35	−60 49.6	0.233	1.126	54.3	19.1	115 E	—	55
5 4	10 27.42	−60 8.3	0.233	1.132	52.9	19.1	116 E	—	56
5 5	10 40.94	−59 21.5	0.234	1.138	51.4	19.0	118 E	—	57
5 6	10 53.87	−58 29.7	0.235	1.144	50.0	19.0	120 E	—	58
5 7	11 6.18	−57 33.4	0.236	1.150	48.6	19.0	121 E	—	58
5 8	11 17.84	−56 33.2	0.238	1.156	47.1	19.0	123 E	—	59
5 9	11 28.86	−55 29.5	0.240	1.162	45.8	19.0	124 E	—	61
5 10	11 39.25	−54 22.8	0.242	1.168	44.4	19.0	126 E	—	62
5 11	11 49.04	−53 13.8	0.244	1.174	43.1	19.0	127 E	—	63
5 12	11 58.23	−52 2.9	0.247	1.180	41.8	19.0	129 E	—	64
5 13	12 6.88	−50 50.6	0.249	1.187	40.6	19.0	130 E	—	65
5 14	12 15.01	−49 37.3	0.252	1.193	39.5	19.0	131 E	—	66
5 15	12 22.64	−48 23.5	0.256	1.199	38.3	19.0	133 E	—	68
5 16	12 29.83	−47 9.5	0.260	1.205	37.3	19.0	134 E	—	69

20/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
	420262 2011 KD_{11} *(continuation)*								
	h m	° ′			°	m	°	°	°
5 18	12 42.96	−44 42.4	0.268	1.218	35.4	19.0	136 E	—	71
5 20	12 54.64	−42 18.1	0.277	1.230	33.7	19.1	138 E	3	74
5 22	13 5.09	−39 58.6	0.287	1.243	32.4	19.1	139 E	5	76
5 24	13 14.49	−37 45.0	0.298	1.256	31.3	19.2	140 E	7	78
5 26	13 22.99	−35 38.1	0.310	1.268	30.4	19.3	141 E	9	80
5 28	13 30.74	−33 38.6	0.323	1.281	29.8	19.4	141 E	11	82
5 30	13 37.84	−31 46.5	0.337	1.294	29.4	19.5	141 E	13	84
6 1	13 44.39	−30 1.9	0.352	1.307	29.2	19.6	141 E	15	86
6 3	13 50.46	−28 24.8	0.368	1.319	29.2	19.7	141 E	17	88
6 5	13 56.14	−26 54.8	0.384	1.332	29.3	19.8	140 E	18	89
6 10	14 8.93	−23 39.5	0.428	1.364	29.8	20.1	138 E	21	88
6 15	14 20.24	−21 1.8	0.476	1.395	30.7	20.4	135 E	24	85
6 20	14 30.52	−18 55.9	0.527	1.427	31.6	20.7	133 E	26	83
6 25	14 40.10	−17 16.3	0.582	1.458	32.5	21.0	130 E	28*	81
6 30	14 49.16	−15 58.2	0.639	1.488	33.3	21.3	127 E	29*	80
	8373 Stephengould								
12 27	1 18.97	−34 56.1	3.277	3.377	16.9	20.2	87 E	10	80*
1 6	1 20.49	−32 31.9	3.341	3.326	17.0	20.2	81 E	12	75*
1 16	1 24.01	−30 2.3	3.404	3.273	16.8	20.2	74 E	15	68*
1 26	1 29.29	−27 29.9	3.463	3.220	16.4	20.2	68 E	17*	61*
2 5	1 36.10	−24 56.6	3.517	3.166	15.9	20.2	61 E	18*	54*
2 15	1 44.24	−22 24.0	3.564	3.111	15.2	20.2	55 E	18*	48*
2 25	1 53.54	−19 53.0	3.601	3.055	14.3	20.1	50 E	16*	43*
3 7	2 3.85	−17 24.5	3.629	2.999	13.3	20.1	44 E	13*	38*
3 17	2 15.05	−14 59.2	3.647	2.942	12.3	20.0	39 E	9*	33*
3 27	2 27.06	−12 37.5	3.652	2.884	11.2	19.9	34 E	5*	28*
4 6	2 39.77	−10 19.7	3.646	2.825	10.2	19.8	30 E	—	24*
4 16	2 53.16	− 8 6.3	3.628	2.765	9.3	19.7	26 E	—	19*
4 26	3 7.15	− 5 57.5	3.598	2.705	8.5	19.6	24 E	—	14*
5 6	3 21.72	− 3 53.4	3.555	2.644	8.1	19.5	22 E	—	10*
5 16	3 36.86	− 1 54.2	3.501	2.582	8.1	19.4	21 E	—	5*
5 26	3 52.53	− 0 0.1	3.435	2.520	8.5	19.4	22 W	—	7*
6 5	4 8.73	+ 1 49.0	3.358	2.458	9.4	19.3	23 W	—	13*
6 15	4 25.46	+ 3 33.1	3.270	2.395	10.6	19.2	26 W	—	18*
6 25	4 42.72	+ 5 12.3	3.172	2.332	12.1	19.2	29 W	—	22*
7 5	5 0.52	+ 6 47.0	3.065	2.269	13.8	19.1	32 W	—	26*
7 15	5 18.89	+ 8 17.4	2.948	2.205	15.6	19.0	36 W	6*	29*
7 25	5 37.85	+ 9 44.2	2.824	2.142	17.6	18.9	40 W	13*	32*
8 4	5 57.46	+11 8.2	2.693	2.080	19.7	18.8	44 W	20*	34*
8 14	6 17.77	+12 30.3	2.555	2.018	21.8	18.7	48 W	26*	35*
8 24	6 38.87	+13 51.8	2.413	1.957	24.0	18.6	52 W	33*	36*
9 3	7 0.90	+15 14.4	2.267	1.897	26.1	18.5	56 W	39*	36*
9 13	7 24.01	+16 40.0	2.120	1.838	28.3	18.3	60 W	45*	36*
9 23	7 48.40	+18 10.9	1.972	1.782	30.5	18.1	64 W	50*	35*
10 3	8 14.39	+19 49.5	1.827	1.729	32.5	18.0	68 W	55*	34*
10 13	8 42.31	+21 38.4	1.686	1.678	34.5	17.8	72 W	60*	33*
10 23	9 12.59	+23 39.7	1.553	1.632	36.3	17.6	76 W	64*	31*
10 28	9 28.77	+24 45.3	1.490	1.610	37.1	17.5	78 W	66*	30*
11 2	9 45.73	+25 54.2	1.430	1.589	37.9	17.4	80 W	68*	29*
11 7	10 3.51	+27 6.0	1.374	1.570	38.6	17.3	81 W	70*	28*
11 12	10 22.15	+28 20.2	1.322	1.552	39.3	17.2	83 W	72*	26*
11 17	10 41.68	+29 36.1	1.275	1.535	39.9	17.1	84 W	74*	25*
11 22	11 2.10	+30 52.6	1.232	1.520	40.4	17.1	86 W	75*	24*
11 27	11 23.38	+32 8.2	1.194	1.507	40.8	17.0	87 W	77*	22*
12 2	11 45.42	+33 21.6	1.162	1.495	41.2	16.9	88 W	78*	21*
12 7	12 8.08	+34 31.3	1.135	1.485	41.6	16.9	89 W	79*	20*
12 12	12 31.16	+35 35.8	1.113	1.476	41.8	16.8	89 W	80*	19*
12 17	12 54.43	+36 33.7	1.097	1.470	42.0	16.8	90 W	81*	18*
12 22	13 17.62	+37 24.3	1.086	1.465	42.2	16.8	90 W	82*	17*
12 27	13 40.45	+38 7.4	1.079	1.463	42.3	16.7	90 W	83*	16*
1 1	14 2.64	+38 43.2	1.077	1.462	42.3	16.7	90 W	83*	16*
1 6	14 23.92	+39 12.5	1.078	1.463	42.2	16.7	90 W	83*	16*
1 11	14 44.09	+39 36.2	1.082	1.466	42.1	16.7	90 W	83*	16*
1 16	15 2.99	+39 55.5	1.088	1.471	42.0	16.8	90 W	84*	16*
1 21	15 20.52	+40 11.6	1.095	1.478	41.8	16.8	90 W	84*	16*
	455514 2003 WF_{98}								
12 27	1 19.80	+29 20.6	0.905	1.574	35.1	20.3	113 E	74	34*
1 1	1 30.75	+27 42.9	0.946	1.580	35.8	20.4	110 E	73	36*
1 6	1 41.83	+26 15.6	0.990	1.586	36.3	20.6	107 E	71	37*
1 11	1 53.00	+24 58.3	1.036	1.593	36.8	20.7	104 E	70	38*
1 16	2 4.26	+23 50.2	1.085	1.599	37.1	20.8	101 E	69	38*
1 21	2 15.57	+22 50.6	1.135	1.606	37.3	20.9	98 E	68	39*
1 26	2 26.93	+21 58.5	1.186	1.613	37.4	21.0	96 E	67	39*
1 31	2 38.31	+21 13.0	1.239	1.619	37.4	21.1	93 E	66	39*
2 5	2 49.71	+20 33.2	1.293	1.626	37.3	21.2	90 E	66	39*
2 10	3 1.14	+19 58.3	1.347	1.633	37.1	21.3	87 E	65*	39*
2 15	3 12.59	+19 27.7	1.402	1.640	36.9	21.4	85 E	64*	39*
2 20	3 24.06	+19 0.5	1.458	1.647	36.5	21.5	82 E	63*	39*

54697 2001 FA_{70}

20/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
	h m	° ′			°	m	°	°	°
12 27	1 19.95	− 5 19.1	1.917	2.312	24.7	19.3	101 E	40	69*
1 6	1 28.83	− 3 58.2	2.077	2.349	24.7	19.5	93 E	41	64*
1 16	1 39.08	− 2 31.8	2.239	2.387	24.3	19.7	86 E	42	59*
1 26	1 50.46	− 1 2.1	2.401	2.423	23.5	19.8	80 E	44*	54*
2 5	2 2.76	+ 0 28.5	2.560	2.459	22.5	20.0	73 E	45*	49*
2 15	2 15.84	+ 1 58.6	2.716	2.495	21.3	20.1	67 E	43*	44*
2 25	2 29.56	+ 3 26.7	2.866	2.529	19.9	20.2	60 E	41*	40*
3 7	2 43.81	+ 4 51.5	3.010	2.563	18.4	20.3	54 E	37*	36*
3 17	2 58.52	+ 6 12.2	3.146	2.596	16.7	20.4	49 E	33*	32*
3 27	3 13.59	+ 7 27.8	3.272	2.628	14.9	20.4	43 E	27*	29*
4 6	3 28.95	+ 8 37.5	3.388	2.660	13.1	20.4	37 E	22*	25*
4 16	3 44.55	+ 9 40.9	3.493	2.690	11.3	20.5	32 E	16*	22*
4 26	4 0.33	+10 37.4	3.586	2.720	9.4	20.5	26 E	10*	18*
5 6	4 16.21	+11 26.5	3.666	2.749	7.6	20.5	21 E	4*	14*
5 16	4 32.16	+12 8.0	3.733	2.777	5.9	20.4	16 E	—	10*
5 26	4 48.10	+12 41.6	3.786	2.804	4.4	20.4	12 E	—	6*
6 5	5 3.97	+13 7.3	3.824	2.830	3.5	20.4	10 E	—	1*
6 15	5 19.71	+13 25.0	3.848	2.855	3.7	20.5	10 W	—	1*
6 25	5 35.26	+13 34.7	3.858	2.879	4.7	20.5	14 W	—	7*
7 5	5 50.54	+13 36.7	3.852	2.903	6.2	20.6	18 W	—	12*
7 15	6 5.48	+13 31.1	3.832	2.925	7.9	20.7	23 W	2*	17*
7 25	6 20.00	+13 18.2	3.796	2.946	9.5	20.8	29 W	8*	21*
8 4	6 34.03	+12 58.6	3.747	2.967	11.2	20.8	34 W	15*	26*
8 14	6 47.47	+12 32.6	3.683	2.986	12.7	20.9	41 W	21*	29*
8 24	7 0.23	+12 0.9	3.606	3.005	14.2	20.9	47 W	28*	33*
9 3	7 12.19	+11 24.2	3.517	3.023	15.5	20.9	53 W	34*	37*
9 13	7 23.23	+10 43.3	3.416	3.039	16.7	20.9	60 W	40*	40*
9 23	7 33.21	+ 9 59.2	3.304	3.055	17.6	20.8	67 W	46*	44*
10 3	7 41.98	+ 9 12.8	3.185	3.069	18.3	20.8	74 W	50*	47*
10 13	7 49.34	+ 8 25.7	3.058	3.083	18.7	20.7	82 W	52*	51*
10 23	7 55.10	+ 7 39.2	2.928	3.096	18.7	20.6	90 W	53	54*
11 2	7 59.06	+ 6 55.1	2.797	3.108	18.4	20.5	99 W	52	56*
11 12	8 0.97	+ 6 15.4	2.669	3.118	17.6	20.4	108 W	51	58
11 22	8 0.67	+ 5 42.5	2.547	3.128	16.3	20.3	118 W	51	58
12 2	7 58.03	+ 5 18.8	2.437	3.137	14.4	20.1	128 W	50	59
12 12	7 53.05	+ 5 6.7	2.343	3.145	12.1	20.0	138 W	50	59
12 22	7 45.98	+ 5 8.0	2.270	3.152	9.4	19.8	149 W	50	59
1 1	7 37.27	+ 5 23.7	2.223	3.158	6.6	19.6	158 W	50	59
1 11	7 27.65	+ 5 53.5	2.206	3.163	4.9	19.5	164 E	51	58
1 21	7 17.99	+ 6 35.4	2.219	3.167	5.7	19.6	161 E	52	57

52317 1992 BC_1

20/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
	h m	° ′			°	m	°	°	°
12 27	1 20.37	−24 45.3	1.210	1.589	38.2	17.3	92 E	20	85*
1 1	1 29.18	−22 44.4	1.240	1.590	38.2	17.3	91 E	22	82*
1 6	1 38.33	−20 40.6	1.271	1.591	38.2	17.4	89 E	24	78*
1 11	1 47.80	−18 34.8	1.303	1.594	38.0	17.4	87 E	26	75*
1 16	1 57.56	−16 27.6	1.336	1.598	37.9	17.5	86 E	29	72*
1 21	2 7.58	−14 19.8	1.371	1.602	37.6	17.5	84 E	31	69*
1 26	2 17.85	−12 12.1	1.406	1.608	37.4	17.6	83 E	33	66*
1 31	2 28.33	−10 5.3	1.443	1.614	37.1	17.6	81 E	35	64*
2 5	2 39.02	− 8 0.0	1.482	1.622	36.7	17.7	79 E	37*	61*
2 10	2 49.90	− 5 56.8	1.522	1.630	36.3	17.8	78 E	39*	59*
2 15	3 0.96	− 3 56.2	1.564	1.639	35.8	17.8	76 E	40*	56*
2 25	3 23.59	− 0 5.1	1.652	1.659	34.8	17.9	73 E	43*	52*
3 7	3 46.80	+ 3 29.3	1.745	1.683	33.6	18.0	70 E	44*	49*
3 17	4 10.51	+ 6 44.4	1.844	1.709	32.2	18.2	66 E	43*	45*
3 27	4 34.64	+ 9 38.2	1.948	1.737	30.7	18.3	63 E	42*	42*
4 6	4 59.07	+12 9.3	2.055	1.768	29.1	18.4	59 E	40*	40*
4 16	5 23.72	+14 17.6	2.165	1.800	27.4	18.5	56 E	36*	37*
4 26	5 48.45	+16 3.0	2.276	1.835	25.6	18.6	52 E	33*	35*
5 6	6 13.15	+17 26.2	2.388	1.870	23.6	18.7	48 E	29*	33*
5 16	6 37.70	+18 28.2	2.498	1.907	21.7	18.7	44 E	25*	30*
5 26	7 2.00	+19 10.5	2.606	1.944	19.6	18.8	40 E	20*	28*
6 5	7 25.94	+19 34.5	2.711	1.982	17.5	18.9	36 E	16*	25*
6 15	7 49.45	+19 41.9	2.812	2.021	15.4	18.9	32 E	12*	23*
6 25	8 12.45	+19 34.6	2.906	2.060	13.2	19.0	28 E	9*	19*
7 5	8 34.91	+19 14.3	2.994	2.099	11.0	19.0	23 E	6*	16*
7 15	8 56.80	+18 42.8	3.074	2.138	8.9	19.0	19 E	4*	12*
7 25	9 18.11	+18 2.0	3.146	2.178	6.7	19.0	15 E	2*	8*
8 4	9 38.83	+17 13.4	3.208	2.217	4.7	19.0	10 E	1*	3*
8 14	9 58.98	+16 18.7	3.260	2.255	2.8	18.9	6 E	—	—
8 24	10 18.57	+15 19.6	3.300	2.294	2.0	18.9	4 E	—	—
9 3	10 37.63	+14 17.5	3.330	2.332	3.1	19.1	7 W	1*	—
9 13	10 56.16	+13 13.9	3.346	2.369	4.9	19.2	12 W	5*	—
9 23	11 14.19	+12 10.4	3.351	2.406	6.8	19.3	17 W	11*	—
10 3	11 31.72	+11 8.2	3.343	2.442	8.8	19.5	22 W	16*	2*
10 13	11 48.76	+10 8.9	3.321	2.478	10.7	19.6	27 W	21*	5*
10 23	12 5.28	+ 9 13.9	3.287	2.513	12.5	19.6	33 W	27*	8*
11 2	12 21.28	+ 8 24.6	3.240	2.547	14.2	19.7	39 W	32*	12*
11 12	12 36.69	+ 7 42.7	3.181	2.581	15.8	19.7	45 W	38*	16*
11 22	12 51.47	+ 7 9.6	3.110	2.613	17.2	19.8	52 W	42*	20*

52317 1992 BC_1 *(continuation)*

20/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
	h m	° ′			°	m	°	°	°
12 2	13 5.51	+ 6 46.8	3.029	2.645	18.5	19.8	58 W	46*	26*
12 12	13 18.72	+ 6 36.0	2.938	2.676	19.5	19.8	65 W	49*	31*
12 22	13 30.94	+ 6 38.7	2.839	2.706	20.3	19.7	72 W	51*	37*
1 1	13 42.00	+ 6 56.5	2.735	2.735	20.7	19.7	80 W	52	43*
1 11	13 51.69	+ 7 30.7	2.627	2.764	20.8	19.6	87 W	53	49*
1 21	13 59.77	+ 8 22.2	2.519	2.791	20.5	19.6	96 W	53	53*

267871 2003 WW_{152}

20/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
	h m	° ′			°	m	°	°	°
12 27	1 20.74	−11 15.2	1.310	1.749	33.8	19.5	98 E	34	74*
1 1	1 26.87	−10 54.5	1.347	1.736	34.3	19.6	95 E	34	73*
1 6	1 33.61	−10 28.0	1.384	1.724	34.7	19.6	92 E	35	70*
1 11	1 40.91	− 9 56.3	1.421	1.713	35.0	19.7	89 E	35	68*
1 16	1 48.74	− 9 20.0	1.457	1.702	35.2	19.7	86 E	36	66*
1 21	1 57.07	− 8 39.8	1.493	1.692	35.3	19.8	83 E	36	63*
1 26	2 5.86	− 7 56.2	1.527	1.683	35.3	19.8	81 E	37	61*
2 5	2 24.70	− 6 21.1	1.594	1.665	35.1	19.9	76 E	38*	57*
2 15	2 45.07	− 4 38.2	1.659	1.651	34.7	19.9	72 E	39*	54*
2 25	3 6.84	− 2 51.2	1.720	1.640	34.2	20.0	68 E	39*	51*
3 7	3 29.83	− 1 3.5	1.780	1.631	33.5	20.0	65 E	38*	49*
3 17	3 53.96	+ 0 41.8	1.838	1.626	32.7	20.1	62 E	36*	47*
3 27	4 19.10	+ 2 21.4	1.895	1.624	31.8	20.1	59 E	34*	45*
4 6	4 45.10	+ 3 52.6	1.953	1.626	30.8	20.1	56 E	31*	43*
4 16	5 11.84	+ 5 12.7	2.012	1.630	29.7	20.2	54 E	28*	42*
4 26	5 39.14	+ 6 19.5	2.072	1.638	28.5	20.2	51 E	24*	40*
5 6	6 6.81	+ 7 11.4	2.134	1.649	27.3	20.3	48 E	21*	39*
5 16	6 34.67	+ 7 47.1	2.198	1.662	25.9	20.3	46 E	17*	37*
5 26	7 2.54	+ 8 6.1	2.265	1.679	24.5	20.3	43 E	13*	36*
6 5	7 30.21	+ 8 8.7	2.334	1.698	22.9	20.4	41 E	9*	34*
6 15	7 57.56	+ 7 55.4	2.405	1.720	21.2	20.4	38 E	5*	31*
6 25	8 24.43	+ 7 27.4	2.477	1.744	19.5	20.5	35 E	2*	29*
7 5	8 50.73	+ 6 46.1	2.549	1.770	17.7	20.5	32 E	—	26*
7 15	9 16.42	+ 5 53.3	2.621	1.797	15.8	20.5	29 E	—	23*
7 25	9 41.44	+ 4 50.7	2.691	1.826	13.8	20.5	25 E	—	19*
8 4	10 5.79	+ 3 40.3	2.759	1.857	11.7	20.6	22 E	—	15*
8 14	10 29.51	+ 2 23.9	2.824	1.888	9.7	20.6	18 E	—	12*
8 24	10 52.60	+ 1 3.2	2.883	1.921	7.5	20.6	14 E	—	8*
9 3	11 15.13	− 0 20.1	2.937	1.954	5.4	20.5	11 E	—	4*
9 13	11 37.13	− 1 44.4	2.984	1.988	3.3	20.5	7 E	—	—
9 23	11 58.64	− 3 8.2	3.023	2.022	1.6	20.4	3 W	—	—
10 3	12 19.71	− 4 30.1	3.053	2.056	2.0	20.5	4 W	—	—
10 13	12 40.37	− 5 48.9	3.074	2.091	3.9	20.7	8 W	1*	—
10 23	13 0.64	− 7 3.0	3.084	2.125	6.0	20.9	13 W	5*	3*
11 2	13 20.53	− 8 11.4	3.083	2.160	8.1	21.0	18 W	10*	6*
11 12	13 40.04	− 9 13.0	3.071	2.194	10.2	21.1	23 W	14*	9*
11 22	13 59.13	−10 6.5	3.047	2.228	12.2	21.2	28 W	19*	13*
12 2	14 17.77	−10 51.0	3.011	2.262	14.1	21.3	34 W	22*	18*
12 12	14 35.89	−11 25.5	2.964	2.295	15.9	21.3	40 W	25*	23*
12 22	14 53.39	−11 49.0	2.905	2.328	17.6	21.4	46 W	28*	29*
1 1	15 10.17	−12 0.7	2.835	2.360	19.2	21.4	52 W	30*	36*
1 11	15 26.08	−11 59.9	2.755	2.392	20.5	21.4	58 W	31*	43*
1 21	15 40.96	−11 45.9	2.667	2.423	21.6	21.4	65 W	32*	50*

418849 2008 WM_{64}

20/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	−26°
	h m	° ′			°	m	°	°	°
12 27	1 21.42	− 7 49.4	0.126	1.013	73.0	18.7	100 E	37	71*
12 28	1 19.54	− 3 6.9	0.128	1.015	72.3	18.7	101 E	42	66*
12 29	1 17.78	+ 1 24.8	0.131	1.016	71.8	18.7	101 E	46	61*
12 30	1 16.15	+ 5 43.2	0.135	1.018	71.3	18.8	101 E	51	57*
12 31	1 14.64	+ 9 46.6	0.139	1.020	70.9	18.8	101 E	55	53*
1 1	1 13.24	+13 34.3	0.144	1.022	70.6	18.9	101 E	59	49*
1 2	1 11.95	+17 5.9	0.150	1.024	70.3	19.0	101 E	62	45*
1 3	1 10.75	+20 21.9	0.156	1.025	70.1	19.1	101 E	65	41*
1 4	1 9.66	+23 22.7	0.162	1.027	69.9	19.2	101 E	68	38*
1 5	1 8.65	+26 9.4	0.169	1.029	69.8	19.3	101 E	71	35*
1 6	1 7.74	+28 42.9	0.177	1.031	69.7	19.3	101 E	74	32*
1 7	1 6.91	+31 4.3	0.184	1.032	69.6	19.4	100 E	76	30*
1 8	1 6.17	+33 14.6	0.192	1.034	69.5	19.5	100 E	78	27*
1 9	1 5.51	+35 14.8	0.200	1.036	69.4	19.6	100 E	80	25*
1 10	1 4.93	+37 5.9	0.208	1.037	69.3	19.7	99 E	82	23*
1 11	1 4.43	+38 48.7	0.216	1.039	69.2	19.8	99 E	84	21*
1 12	1 4.00	+40 24.1	0.225	1.041	69.2	19.9	98 E	85	19*
1 13	1 3.64	+41 52.8	0.233	1.042	69.1	20.0	98 E	87	18*
1 14	1 3.36	+43 15.4	0.242	1.044	69.0	20.0	98 E	88	16*
1 15	1 3.14	+44 32.5	0.251	1.046	68.9	20.1	97 E	90	15*
1 16	1 2.99	+45 44.7	0.260	1.047	68.8	20.2	97 E	89	13*
1 18	1 2.88	+47 56.1	0.277	1.051	68.6	20.3	96 E	87*	11*
1 20	1 3.02	+49 52.7	0.295	1.054	68.4	20.5	95 E	84*	8*
1 22	1 3.40	+51 37.2	0.313	1.057	68.2	20.6	95 E	82*	6*
1 24	1 4.00	+53 11.4	0.331	1.060	67.9	20.7	94 E	80*	4*
1 26	1 4.81	+54 37.2	0.349	1.063	67.7	20.8	93 E	78*	3*
1 28	1 5.84	+55 55.8	0.366	1.066	67.4	20.9	93 E	76*	1*
1 30	1 7.08	+57 8.2	0.384	1.068	67.1	21.0	92 E	74*	—

418849 2008 WM_{64} *(continuation)*

20/21	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
	h m	° ′			°	m	°	°	°
2 1	1 8.52	+58 15.5	0.401	1.071	66.9	21.1	91 E	73*	—
2 3	1 10.17	+59 18.3	0.418	1.074	66.6	21.2	90 E	71*	—
2 5	1 12.03	+60 17.3	0.435	1.076	66.3	21.3	90 E	70*	—
2 10	1 17.65	+62 31.5	0.475	1.083	65.7	21.5	88 E	66*	—
2 15	1 24.69	+64 31.5	0.514	1.088	65.0	21.6	87 E	63*	—
2 20	1 33.24	+66 21.4	0.550	1.093	64.4	21.8	86 E	61*	—
2 25	1 43.45	+68 3.9	0.583	1.098	63.8	21.9	84 E	59*	—

138852 2000 WN_{10}

12 27	1 22.85	+26 18.2	0.458	1.235	47.3	20.7	113 E	71	37*
1 1	1 28.43	+28 16.5	0.505	1.247	48.0	21.0	110 E	73	35*
1 6	1 34.90	+30 0.0	0.552	1.258	48.5	21.2	107 E	75	33*
1 11	1 42.17	+31 32.2	0.599	1.268	48.9	21.4	104 E	77	31*
1 16	1 50.18	+32 55.7	0.646	1.276	49.1	21.6	101 E	78	29*

175168 2005 EQ_{118}

12 27	1 23.03	+13 14.3	2.217	2.698	20.2	21.4	109 E	58	50*
1 6	1 27.09	+13 15.9	2.336	2.679	21.2	21.5	99 E	58	48*
1 16	1 33.31	+13 31.3	2.456	2.658	21.7	21.6	91 E	59	45*
1 26	1 41.45	+13 58.6	2.576	2.637	21.7	21.7	83 E	59*	41*
2 5	1 51.25	+14 35.7	2.692	2.615	21.3	21.8	75 E	58*	36*

241112 2007 OF_2

12 27	1 23.04	+ 0 10.9	1.511	1.988	28.7	20.8	104 E	45	63*
1 6	1 34.51	+ 2 0.9	1.658	2.027	28.8	21.0	97 E	47	60*
1 16	1 47.27	+ 3 51.9	1.809	2.066	28.4	21.2	91 E	49	55*
1 26	2 1.09	+ 5 42.2	1.962	2.105	27.7	21.4	84 E	51	50*
2 5	2 15.77	+ 7 29.9	2.115	2.143	26.8	21.6	78 E	52*	46*

458062 2009 YO

12 27	1 23.59	+32 47.8	1.045	1.706	31.6	21.4	114 E	78	31*
1 1	1 31.07	+30 52.4	1.115	1.730	32.1	21.6	111 E	76	33*
1 6	1 38.63	+29 13.7	1.188	1.752	32.4	21.8	107 E	74	34*
1 11	1 46.29	+27 49.7	1.263	1.773	32.6	21.9	104 E	73	34*
1 16	1 54.06	+26 38.6	1.340	1.793	32.7	22.1	100 E	72	35*

424355 2007 VU_{145}

12 27	1 23.62	+13 1.6	1.465	2.010	27.6	21.3	109 E	58	51*
1 6	1 35.20	+13 44.5	1.605	2.042	28.2	21.5	101 E	59	49*
1 16	1 48.33	+14 36.7	1.750	2.075	28.2	21.7	95 E	60	45*
1 26	2 2.73	+15 35.4	1.898	2.107	27.8	21.9	88 E	61	42*
2 5	2 18.16	+16 37.8	2.046	2.139	27.1	22.1	82 E	61*	39*

66272 1999 JW_6

12 27	1 23.98	+51 41.3	0.575	1.348	40.4	18.1	117 E	83	12*
12 29	1 15.02	+52 10.1	0.596	1.345	41.7	18.2	115 E	83	11*
12 31	1 6.89	+52 35.1	0.617	1.342	42.8	18.3	112 E	82	11*
1 2	0 59.58	+52 57.3	0.638	1.339	43.8	18.4	110 E	82	10*
1 4	0 53.02	+53 17.3	0.660	1.336	44.7	18.5	107 E	82	9*
1 6	0 47.16	+53 35.8	0.681	1.334	45.4	18.6	105 E	81	8*
1 8	0 41.96	+53 53.3	0.703	1.331	46.1	18.7	103 E	81	7*
1 10	0 37.37	+54 10.2	0.724	1.328	46.6	18.8	101 E	81	6*
1 12	0 33.33	+54 26.7	0.746	1.326	47.1	18.9	99 E	81*	4*
1 14	0 29.81	+54 43.3	0.767	1.323	47.5	18.9	97 E	80*	3*
1 16	0 26.75	+55 0.0	0.788	1.321	47.8	19.0	96 E	79*	2*
1 18	0 24.13	+55 17.2	0.809	1.319	48.1	19.0	94 E	77*	1*
1 20	0 21.90	+55 34.8	0.829	1.317	48.3	19.1	93 E	76*	—
1 22	0 20.02	+55 53.1	0.850	1.314	48.5	19.2	91 E	74*	—
1 24	0 18.48	+56 12.0	0.869	1.312	48.6	19.2	90 E	73*	—
1 26	0 17.25	+56 31.7	0.888	1.311	48.7	19.3	89 E	71*	—
1 31	0 15.36	+57 24.4	0.935	1.306	48.8	19.4	86 E	68*	—
2 5	0 14.98	+58 22.5	0.978	1.302	48.7	19.4	83 E	64*	—
2 10	0 15.92	+59 26.2	1.017	1.299	48.6	19.5	81 E	60*	—
2 15	0 18.05	+60 36.0	1.053	1.296	48.4	19.6	79 E	57*	—
2 20	0 21.30	+61 52.0	1.085	1.294	48.1	19.6	77 E	54*	—
2 25	0 25.62	+63 14.2	1.113	1.293	47.9	19.7	76 E	52*	—
3 2	0 31.09	+64 42.6	1.137	1.292	47.6	19.7	74 E	50*	—
3 7	0 37.83	+66 17.3	1.157	1.291	47.4	19.8	73 E	48*	—
3 12	0 46.10	+67 58.4	1.172	1.292	47.3	19.8	73 E	46*	—
3 17	0 56.26	+69 45.9	1.184	1.293	47.1	19.8	72 E	45*	—
3 19	1 0.97	+70 30.6	1.188	1.294	47.1	19.8	72 E	45*	—
3 21	1 6.13	+71 16.3	1.191	1.294	47.0	19.8	72 E	44*	—
3 23	1 11.80	+72 2.9	1.194	1.295	47.0	19.8	72 E	44*	—
3 25	1 18.05	+72 50.4	1.196	1.296	47.0	19.8	72 E	44*	—
3 27	1 25.00	+73 38.6	1.197	1.297	46.9	19.8	72 E	44*	—
3 28	1 28.76	+74 2.9	1.198	1.297	46.9	19.8	72 E	44*	—
3 29	1 32.75	+74 27.4	1.198	1.298	46.9	19.8	72 E	44*	—
3 30	1 36.97	+74 52.0	1.199	1.299	46.9	19.8	72 E	44*	—

66272 1999 JW_6 *(continued)*

2021	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
	h m	° ′			°	m	°	°	°
3 31	1 41.45	+75 16.7	1.199	1.299	46.9	19.8	72 E	44*	—
4 1	1 46.22	+75 41.5	1.199	1.300	46.9	19.8	72 E	44*	—
4 2	1 51.31	+76 6.3	1.199	1.300	46.9	19.8	72 E	44*	—
4 3	1 56.74	+76 31.1	1.199	1.301	46.9	19.8	72 E	44*	—
4 4	2 2.55	+76 55.8	1.198	1.302	46.9	19.8	72 E	44*	—
4 5	2 8.78	+77 20.5	1.198	1.303	46.9	19.8	72 E	44*	—
4 6	2 15.47	+77 45.0	1.197	1.303	46.9	19.8	72 E	45*	—
4 7	2 22.67	+78 9.3	1.197	1.304	46.9	19.8	72 E	45*	—
4 8	2 30.43	+78 33.3	1.196	1.305	47.0	19.8	72 E	45*	—
4 9	2 38.81	+78 57.0	1.195	1.306	47.0	19.8	72 E	45*	—
4 10	2 47.88	+79 20.1	1.194	1.307	47.0	19.8	72 E	45*	—
4 11	2 57.69	+79 42.6	1.194	1.307	47.0	19.8	73 E	45*	—
4 12	3 8.31	+80 4.4	1.192	1.308	47.0	19.8	73 E	46*	—
4 13	3 19.82	+80 25.2	1.191	1.309	47.0	19.8	73 E	46*	—
4 14	3 32.28	+80 44.9	1.190	1.310	47.0	19.8	73 E	46*	—
4 15	3 45.75	+81 3.4	1.189	1.311	47.0	19.8	73 E	47*	—
4 16	4 0.27	+81 20.2	1.188	1.312	47.0	19.8	73 E	47*	—
4 18	4 32.51	+81 48.2	1.185	1.314	47.0	19.8	73 E	48*	—
4 20	5 8.71	+82 6.7	1.182	1.316	47.1	19.8	74 E	48*	—
4 22	5 47.80	+82 13.8	1.178	1.318	47.1	19.8	74 E	49*	—
4 24	6 27.98	+82 7.8	1.175	1.321	47.1	19.8	74 E	50*	—
4 26	7 7.10	+81 48.4	1.172	1.323	47.1	19.8	74 E	51*	—
4 27	7 25.67	+81 33.8	1.170	1.324	47.1	19.8	75 E	52*	—
4 28	7 43.36	+81 16.1	1.168	1.325	47.1	19.8	75 E	52*	—
4 29	8 0.05	+80 55.5	1.166	1.327	47.1	19.8	75 E	53*	—
4 30	8 15.69	+80 32.2	1.165	1.328	47.1	19.8	75 E	53*	—
5 1	8 30.27	+80 6.4	1.163	1.329	47.1	19.8	75 E	54*	—
5 2	8 43.81	+79 38.3	1.161	1.330	47.1	19.8	75 E	54*	—
5 3	8 56.36	+79 8.1	1.159	1.332	47.1	19.8	75 E	55*	—
5 4	9 7.96	+78 36.0	1.158	1.333	47.1	19.8	76 E	56*	—
5 5	9 18.70	+78 2.1	1.156	1.334	47.1	19.8	76 E	56*	—
5 6	9 28.63	+77 26.7	1.154	1.336	47.1	19.8	76 E	57*	—
5 7	9 37.83	+76 49.7	1.153	1.337	47.1	19.8	76 E	57*	—
5 8	9 46.36	+76 11.4	1.151	1.339	47.1	19.8	76 E	58*	—
5 9	9 54.28	+75 31.8	1.150	1.340	47.1	19.8	76 E	59*	—
5 10	10 1.66	+74 51.1	1.148	1.341	47.1	19.8	77 E	59*	—
5 11	10 8.54	+74 9.2	1.147	1.343	47.1	19.8	77 E	60*	—
5 12	10 14.97	+73 26.4	1.146	1.344	47.0	19.8	77 E	61*	—
5 13	10 21.00	+72 42.6	1.144	1.346	47.0	19.8	77 E	62*	—
5 14	10 26.65	+71 57.9	1.143	1.347	47.0	19.8	77 E	62*	—
5 15	10 31.98	+71 12.3	1.142	1.349	47.0	19.8	77 E	63*	—
5 16	10 37.01	+70 26.0	1.141	1.350	47.0	19.8	77 E	64*	—
5 17	10 41.76	+69 38.9	1.140	1.352	46.9	19.8	78 E	64*	—
5 18	10 46.26	+68 51.1	1.140	1.353	46.9	19.8	78 E	65*	—
5 19	10 50.53	+68 2.6	1.139	1.355	46.9	19.8	78 E	66*	—
5 20	10 54.60	+67 13.5	1.138	1.357	46.9	19.8	78 E	67*	—
5 21	10 58.48	+66 23.8	1.138	1.358	46.8	19.8	78 E	67*	—
5 22	11 2.19	+65 33.5	1.137	1.360	46.8	19.8	78 E	68*	—
5 23	11 5.73	+64 42.7	1.137	1.361	46.7	19.8	78 E	69*	—
5 24	11 9.14	+63 51.3	1.137	1.363	46.7	19.8	78 E	69*	—
5 25	11 12.40	+62 59.5	1.137	1.365	46.7	19.8	79 E	70*	1
5 26	11 15.54	+62 7.2	1.137	1.366	46.6	19.8	79 E	70*	2
5 28	11 21.49	+60 21.3	1.138	1.370	46.5	19.8	79 E	71*	4
5 30	11 27.05	+58 33.9	1.140	1.373	46.4	19.8	79 E	72*	5
6 1	11 32.28	+56 45.1	1.142	1.377	46.3	19.8	79 E	73*	7
6 3	11 37.21	+54 55.2	1.145	1.380	46.2	19.8	79 E	73*	9
6 5	11 41.90	+53 4.3	1.148	1.384	46.1	19.9	79 E	73*	11
6 10	11 52.74	+48 24.3	1.160	1.393	45.7	19.9	79 E	72*	16
6 15	12 2.61	+43 42.9	1.177	1.402	45.4	19.9	79 E	69*	20
6 20	12 11.77	+39 2.8	1.198	1.412	44.9	20.0	79 E	66*	25
6 25	12 20.42	+34 26.9	1.225	1.421	44.4	20.0	78 E	61*	30
6 30	12 28.69	+29 57.4	1.256	1.431	43.9	20.1	77 E	57*	34
7 5	12 36.68	+25 36.0	1.292	1.441	43.3	20.1	76 E	52*	38*
7 10	12 44.49	+21 24.2	1.332	1.451	42.6	20.2	75 E	48*	42*
7 15	12 52.17	+17 22.7	1.375	1.461	41.9	20.2	74 E	44*	46*
7 25	13 7.36	+ 9 52.8	1.472	1.482	40.2	20.4	70 E	36*	51*
8 4	13 22.53	+ 3 6.5	1.578	1.502	38.4	20.5	67 E	29*	54*
8 14	13 37.95	− 2 59.6	1.689	1.522	36.3	20.6	63 E	23*	54*
8 24	13 53.79	− 8 29.9	1.801	1.542	34.1	20.7	59 E	17*	52*
9 3	14 10.23	−13 29.4	1.912	1.561	31.8	20.8	55 E	13*	48*
9 13	14 27.42	−18 2.6	2.019	1.579	29.4	20.9	50 E	9*	44*
9 23	14 45.53	−22 13.1	2.119	1.597	26.9	21.0	46 E	5*	40*
10 3	15 4.71	−26 3.9	2.211	1.614	24.5	21.0	42 E	2*	35*
10 13	15 25.15	−29 37.2	2.293	1.629	22.2	21.0	38 E	—	31*
10 23	15 47.04	−32 54.2	2.365	1.644	20.0	21.0	34 E	—	27*
11 2	16 10.56	−35 55.4	2.425	1.658	18.1	21.1	31 E	—	24*
11 12	16 35.94	−38 40.6	2.473	1.670	16.4	21.1	28 E	—	20*
11 22	17 3.34	−41 8.6	2.510	1.682	15.1	21.1	26 E	—	17*
12 2	17 32.91	−43 17.7	2.535	1.692	14.2	21.1	25 E	—	15*

66272 1999 JW_6 *(continuation)*

20/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
	h m	° ′			°	m	°	°	°
12 12	18 4.73	−45 5.6	2.550	1.700	13.7	21.1	24 E	—	13*
12 22	18 38.73	−46 29.1	2.555	1.708	13.7	21.1	24 E	—	12*
1 1	19 14.69	−47 25.1	2.552	1.714	14.1	21.1	25 E	—	11*
1 11	19 52.19	−47 50.9	2.543	1.718	14.7	21.1	26 E	—	11*
1 21	20 30.63	−47 44.2	2.527	1.721	15.6	21.1	28 E	—	11*

114824 2003 OB_{17}

12 27	1 24.14	+ 4 29.8	1.122	1.680	34.3	19.5	106 E	49	59*
1 6	1 40.72	+ 6 10.8	1.223	1.697	34.8	19.7	100 E	51	56*
1 16	1 58.75	+ 7 57.5	1.328	1.715	34.9	19.9	95 E	53	53*
1 26	2 17.98	+ 9 46.2	1.437	1.736	34.6	20.1	90 E	55	49*
2 5	2 38.18	+11 33.4	1.550	1.758	33.9	20.3	85 E	57*	46*
2 15	2 59.19	+13 16.3	1.665	1.783	33.1	20.5	80 E	57*	43*
2 25	3 20.89	+14 52.6	1.783	1.809	32.0	20.6	75 E	57*	40*
3 7	3 43.12	+16 20.1	1.902	1.836	30.7	20.7	71 E	55*	38*
3 17	4 5.79	+17 37.1	2.021	1.864	29.3	20.9	67 E	52*	36*
3 27	4 28.80	+18 42.6	2.141	1.894	27.8	21.0	62 E	48*	34*
4 6	4 52.01	+19 35.3	2.259	1.924	26.1	21.1	58 E	44*	33*
4 16	5 15.34	+20 14.9	2.376	1.955	24.4	21.2	54 E	39*	31*
4 26	5 38.66	+20 40.9	2.490	1.987	22.6	21.3	49 E	34*	30*
5 6	6 1.87	+20 53.4	2.600	2.019	20.7	21.3	45 E	29*	28*
5 16	6 24.89	+20 52.7	2.707	2.051	18.8	21.4	41 E	24*	27*
5 26	6 47.61	+20 39.1	2.808	2.083	16.8	21.4	37 E	19*	25*
6 5	7 9.96	+20 13.4	2.904	2.115	14.8	21.5	32 E	14*	22*
6 15	7 31.88	+19 36.5	2.993	2.148	12.8	21.5	28 E	9*	19*

278471 2007 TF_{242}

12 27	1 24.55	+ 2 35.2	2.128	2.565	21.7	20.8	105 E	48	61*
1 6	1 31.84	+ 2 34.5	2.305	2.608	22.0	21.1	97 E	48	59*
1 16	1 40.52	+ 2 48.8	2.485	2.650	21.8	21.2	89 E	48	55*
1 26	1 50.37	+ 3 14.3	2.665	2.691	21.2	21.4	81 E	48*	50*
2 5	2 1.16	+ 3 47.9	2.842	2.732	20.3	21.6	74 E	48*	46*

496001 2007 VR_{183}

12 27	1 25.07	+ 4 19.3	1.610	2.103	26.7	21.4	106 E	49	59*
1 6	1 28.84	+ 3 29.0	1.667	2.025	28.9	21.4	96 E	48	58*
1 16	1 35.67	+ 3 2.1	1.722	1.945	30.3	21.4	88 E	48	54*
1 26	1 45.31	+ 2 55.3	1.771	1.865	31.3	21.4	80 E	48*	50*
2 5	1 57.51	+ 3 4.6	1.811	1.783	31.8	21.4	73 E	47*	46*
2 15	2 12.11	+ 3 26.8	1.841	1.701	32.1	21.3	66 E	44*	42*
2 25	2 29.01	+ 3 58.5	1.859	1.618	32.1	21.3	60 E	41*	39*
3 7	2 48.15	+ 4 36.7	1.864	1.536	32.1	21.1	55 E	37*	37*
3 17	3 9.57	+ 5 18.5	1.856	1.455	32.2	21.0	51 E	34*	35*
3 27	3 33.36	+ 6 1.0	1.835	1.376	32.4	20.9	48 E	30*	34*
4 6	3 59.62	+ 6 41.4	1.803	1.300	32.8	20.7	45 E	26*	33*
4 16	4 28.54	+ 7 16.8	1.762	1.229	33.6	20.6	43 E	22*	32*
4 26	5 0.29	+ 7 44.1	1.713	1.165	34.8	20.4	41 E	19*	32*
5 6	5 34.98	+ 8 0.3	1.660	1.110	36.3	20.3	41 E	16*	32*
5 16	6 12.71	+ 8 2.8	1.606	1.067	38.2	20.2	41 E	13*	33*
5 26	6 53.37	+ 7 48.9	1.555	1.039	40.1	20.1	41 E	11*	34*
6 5	7 36.64	+ 7 16.9	1.514	1.027	41.8	20.1	42 E	9*	36*
6 15	8 21.91	+ 6 26.3	1.487	1.032	43.0	20.1	44 E	9*	37*
6 25	9 8.28	+ 5 17.8	1.478	1.054	43.5	20.1	46 E	9*	39*
7 5	9 54.65	+ 3 54.4	1.490	1.091	43.0	20.2	47 E	9*	40*
7 15	10 39.94	+ 2 20.1	1.526	1.142	41.8	20.3	48 E	10*	42*
7 20	11 1.89	+ 1 30.5	1.552	1.171	40.9	20.4	49 E	11*	42*
7 25	11 23.25	+ 0 40.2	1.584	1.202	39.9	20.5	49 E	11*	43*
7 30	11 43.97	− 0 10.4	1.621	1.236	38.8	20.6	50 E	12*	43*
8 4	12 4.03	− 1 0.6	1.663	1.271	37.6	20.6	50 E	13*	43*
8 9	12 23.40	− 1 49.9	1.709	1.307	36.3	20.7	50 E	13*	43*
8 14	12 42.08	− 2 38.1	1.758	1.345	35.0	20.8	50 E	14*	43*
8 19	13 0.08	− 3 24.8	1.812	1.383	33.7	20.9	49 E	15*	42*
8 24	13 17.43	− 4 9.6	1.869	1.423	32.3	21.0	49 E	15*	42*
8 29	13 34.16	− 4 52.4	1.928	1.463	31.0	21.1	48 E	16*	41*
9 3	13 50.31	− 5 33.0	1.990	1.503	29.6	21.2	47 E	16*	40*
9 8	14 5.91	− 6 11.3	2.053	1.544	28.3	21.3	47 E	16*	39*
9 13	14 21.00	− 6 47.1	2.118	1.585	26.9	21.3	46 E	17*	38*
9 18	14 35.61	− 7 20.5	2.185	1.626	25.6	21.4	44 E	17*	37*

243127 2007 RY_{258}

12 27	1 25.30	+ 1 43.6	1.670	2.144	26.3	20.5	105 E	47	62*
1 6	1 34.15	+ 3 23.4	1.815	2.173	26.7	20.7	97 E	48	58*
1 16	1 44.68	+ 5 6.1	1.964	2.201	26.5	20.9	90 E	50	53*
1 26	1 56.61	+ 6 49.9	2.113	2.229	26.0	21.1	84 E	52	49*
2 5	2 9.70	+ 8 33.0	2.262	2.257	25.2	21.2	77 E	53*	44*
2 15	2 23.77	+10 14.3	2.409	2.284	24.1	21.3	71 E	52*	40*
2 25	2 38.68	+11 52.4	2.553	2.311	22.8	21.4	65 E	49*	36*

374907 2006 XE_1

12 27	1 25.48	+10 47.4	0.914	1.539	37.3	19.8	108 E	56	53*
1 6	1 36.37	+14 55.5	1.007	1.548	38.4	20.1	102 E	60	47*
1 16	1 50.28	+18 42.4	1.104	1.559	38.8	20.3	96 E	64	42*
1 26	2 6.81	+22 10.1	1.204	1.571	38.8	20.5	91 E	67	37*
2 5	2 25.63	+25 19.5	1.306	1.584	38.4	20.7	86 E	70*	32*
2 15	2 46.56	+28 10.9	1.408	1.599	37.7	20.9	82 E	70*	29*
2 25	3 9.43	+30 44.4	1.510	1.614	36.7	21.0	77 E	69*	26*
3 7	3 34.07	+32 58.9	1.611	1.631	35.6	21.2	73 E	66*	23*
3 17	4 0.34	+34 53.3	1.710	1.648	34.4	21.3	69 E	63*	21*
3 27	4 28.06	+36 26.4	1.807	1.666	33.1	21.4	66 E	59*	20*
4 6	4 56.96	+37 36.6	1.902	1.684	31.7	21.5	62 E	55*	19*

509025 2005 PR_4

12 27	1 25.89	+ 5 34.8	1.110	1.679	34.2	20.1	107 E	51	58*
1 6	1 41.04	+ 8 40.1	1.218	1.705	34.5	20.3	101 E	54	54*
1 16	1 57.81	+11 34.8	1.333	1.733	34.4	20.5	96 E	57	49*
1 26	2 15.95	+14 18.0	1.454	1.764	33.9	20.8	91 E	59	45*
2 5	2 35.21	+16 48.8	1.579	1.797	33.2	21.0	86 E	62*	41*
2 15	2 55.45	+19 6.4	1.708	1.831	32.2	21.1	81 E	63*	37*
2 25	3 16.52	+21 10.4	1.839	1.867	31.0	21.3	76 E	62*	34*
3 7	3 38.27	+23 0.1	1.972	1.903	29.6	21.5	71 E	59*	32*

159571 2001 VM_4

12 27	1 27.73	+10 2.9	1.406	1.956	28.5	20.3	109 E	55	54*
1 6	1 39.55	+10 54.5	1.539	1.983	29.1	20.5	101 E	56	52*
1 16	1 52.95	+11 55.3	1.676	2.011	29.2	20.7	95 E	57	48*
1 26	2 7.67	+13 2.2	1.816	2.039	28.9	20.9	88 E	58	45*
2 5	2 23.46	+14 12.4	1.957	2.067	28.2	21.1	82 E	59*	42*
2 15	2 40.14	+15 23.4	2.098	2.095	27.3	21.2	76 E	58*	38*
2 25	2 57.59	+16 33.3	2.237	2.122	26.1	21.4	70 E	56*	35*
3 7	3 15.66	+17 40.1	2.374	2.150	24.7	21.5	65 E	52*	33*

5066 Garradd

12 27	1 28.66	−29 33.6	1.801	2.076	28.3	18.2	92 E	15	85*
1 1	1 31.38	−27 6.1	1.853	2.084	28.1	18.3	89 E	18	83*
1 6	1 34.65	−24 41.4	1.907	2.092	28.0	18.3	86 E	20	79*
1 11	1 38.41	−22 19.7	1.964	2.099	27.8	18.4	84 E	23	75*
1 16	1 42.61	−20 1.5	2.021	2.106	27.5	18.5	81 E	25	70*
1 26	1 52.16	−15 36.2	2.140	2.120	26.7	18.6	76 E	29	63*
2 5	2 2.98	−11 26.3	2.261	2.134	25.7	18.7	70 E	33*	56*
2 15	2 14.85	− 7 31.9	2.382	2.146	24.5	18.8	64 E	34*	49*
2 25	2 27.62	− 3 52.5	2.501	2.158	23.1	18.9	59 E	34*	44*
3 7	2 41.16	− 0 27.8	2.617	2.169	21.4	18.9	53 E	32*	38*
3 17	2 55.37	+ 2 43.3	2.727	2.180	19.6	19.0	47 E	29*	34*
3 27	3 10.20	+ 5 41.2	2.829	2.189	17.7	19.0	42 E	25*	29*
4 6	3 25.58	+ 8 26.6	2.923	2.198	15.6	19.0	36 E	21*	25*
4 16	3 41.48	+11 0.4	3.007	2.205	13.5	19.0	31 E	16*	21*
4 26	3 57.87	+13 22.8	3.079	2.212	11.2	19.0	25 E	12*	16*
5 6	4 14.72	+15 34.6	3.140	2.218	8.9	18.9	20 E	7*	12*
5 16	4 32.02	+17 36.2	3.187	2.223	6.6	18.9	15 E	2*	7*
5 26	4 49.73	+19 28.0	3.222	2.228	4.2	18.8	9 E	—	3*
6 5	5 7.84	+21 10.4	3.242	2.231	1.8	18.6	4 E	—	—
6 15	5 26.34	+22 44.1	3.248	2.233	0.8	18.5	2 W	—	—
6 25	5 45.19	+24 9.3	3.241	2.235	3.1	18.7	7 W	—	—
7 5	6 4.37	+25 26.7	3.219	2.235	5.5	18.8	12 W	3*	3*
7 15	6 23.88	+26 36.9	3.184	2.235	7.8	18.9	17 W	9*	6*
7 25	6 43.67	+27 40.6	3.136	2.234	10.1	19.0	23 W	14*	9*
8 4	7 3.73	+28 38.7	3.074	2.232	12.4	19.0	28 W	20*	10*
8 14	7 24.05	+29 32.2	3.001	2.228	14.5	19.0	34 W	26*	12*
8 24	7 44.58	+30 22.2	2.917	2.224	16.6	19.1	39 W	32*	13*
9 3	8 5.33	+31 10.2	2.823	2.220	18.6	19.0	45 W	38*	14*
9 13	8 26.27	+31 57.8	2.720	2.214	20.4	19.0	50 W	44*	15*
9 23	8 47.39	+32 46.9	2.610	2.207	22.1	19.0	56 W	50*	15*
10 3	9 8.70	+33 39.6	2.493	2.200	23.6	18.9	62 W	55*	16*
10 13	9 30.18	+34 38.6	2.373	2.191	24.8	18.8	67 W	61*	16*
10 23	9 51.83	+35 46.4	2.251	2.182	25.9	18.7	73 W	67*	16*
11 2	10 13.65	+37 6.1	2.129	2.172	26.7	18.6	79 W	73*	16*
11 12	10 35.61	+38 40.9	2.010	2.161	27.1	18.5	85 W	79*	16*
11 22	10 57.66	+40 33.6	1.895	2.149	27.4	18.4	91 W	84*	16*
12 2	11 19.76	+42 46.6	1.788	2.137	27.3	18.2	96 W	88	16*
12 7	11 30.77	+44 1.3	1.737	2.130	27.2	18.2	99 W	89	15*
12 12	11 41.73	+45 21.5	1.690	2.124	27.0	18.1	102 W	90	15*
12 17	11 52.61	+46 47.2	1.645	2.117	26.8	18.0	104 W	88	14*
12 22	12 3.36	+48 18.1	1.604	2.110	26.5	17.9	107 W	87	13*
12 27	12 13.94	+49 54.0	1.566	2.103	26.3	17.9	109 W	85	13*
1 1	12 24.29	+51 34.3	1.532	2.095	26.0	17.8	111 W	83	11*
1 6	12 34.30	+53 18.5	1.502	2.088	25.8	17.8	113 W	82	10*
1 11	12 43.90	+55 5.6	1.475	2.080	25.6	17.7	114 W	80	9*
1 16	12 52.96	+56 54.6	1.452	2.072	25.4	17.7	115 W	78	7*
1 21	13 1.35	+58 44.4	1.433	2.064	25.4	17.6	116 W	76	5*

20/21	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
	h m	° ′			°	m	°	°	°
511075 2013 TD_{48}									
12 27	1 31.03	+16 41.5	1.428	2.011	27.0	21.1	112 E	62	47*
1 6	1 43.05	+16 46.0	1.566	2.044	27.8	21.4	104 E	62	46*
1 16	1 56.59	+17 4.7	1.709	2.077	28.0	21.6	97 E	62	44*
1 26	2 11.36	+17 34.1	1.857	2.111	27.8	21.8	91 E	63	41*
2 5	2 27.12	+18 10.6	2.006	2.145	27.2	22.0	84 E	63*	39*
468507 2005 NB_6									
12 27	1 31.78	+33 30.5	1.266	1.916	27.4	19.4	116 E	79	30*
1 1	1 39.83	+32 30.6	1.323	1.933	27.9	19.6	113 E	78	31*
1 6	1 48.21	+31 37.3	1.382	1.949	28.3	19.7	110 E	77	32*
1 11	1 56.85	+30 50.2	1.444	1.966	28.6	19.8	107 E	76	32*
1 16	2 5.74	+30 9.0	1.509	1.983	28.9	19.9	103 E	75	32*
1 26	2 24.10	+29 2.1	1.644	2.017	29.0	20.2	97 E	74	32*
2 5	2 43.03	+28 12.1	1.785	2.052	28.7	20.4	91 E	73*	31*
2 15	3 2.38	+27 34.9	1.930	2.087	28.1	20.6	85 E	71*	31*
2 25	3 22.04	+27 6.8	2.078	2.123	27.2	20.7	79 E	68*	30*
3 7	3 41.88	+26 44.3	2.227	2.159	26.1	20.9	73 E	63*	29*
3 17	4 1.83	+26 24.7	2.374	2.194	24.8	21.0	67 E	58*	28*
3 27	4 21.84	+26 5.7	2.519	2.230	23.2	21.1	62 E	52*	28*
4 6	4 41.81	+25 45.3	2.661	2.265	21.6	21.2	56 E	46*	27*
4 16	5 1.71	+25 22.1	2.797	2.300	19.8	21.3	51 E	40*	25*
4 26	5 21.47	+24 54.8	2.926	2.335	17.9	21.4	46 E	34*	24*
5 6	5 41.02	+24 22.6	3.048	2.370	16.0	21.5	40 E	28*	23*
466419 2013 TL_7									
12 27	1 32.71	− 6 25.5	1.660	2.113	27.0	21.0	103 E	39	70*
1 1	1 37.67	− 6 0.8	1.735	2.131	27.1	21.2	99 E	39	69*
1 6	1 42.99	− 5 32.6	1.811	2.149	27.1	21.3	96 E	39	67*
1 11	1 48.64	− 5 1.5	1.887	2.166	27.0	21.4	93 E	40	65*
1 16	1 54.59	− 4 28.0	1.963	2.184	26.8	21.5	89 E	41	63*
88609 2001 QP_{296}									
12 27	1 33.40	+11 41.5	1.565	2.120	25.8	19.8	110 E	57	52*
1 6	1 42.05	+12 38.4	1.710	2.151	26.5	20.0	103 E	58	50*
1 16	1 52.59	+13 42.6	1.860	2.181	26.7	20.2	95 E	59	47*
1 26	2 4.69	+14 51.8	2.011	2.211	26.4	20.4	88 E	60	43*
2 5	2 18.07	+16 3.9	2.164	2.241	25.8	20.6	81 E	61*	39*
2 15	2 32.53	+17 16.9	2.314	2.270	24.9	20.8	75 E	59*	36*
2 25	2 47.91	+18 29.3	2.462	2.298	23.7	20.9	69 E	56*	33*
3 7	3 4.05	+19 39.6	2.605	2.326	22.3	21.0	63 E	52*	30*
3 17	3 20.85	+20 46.4	2.743	2.353	20.8	21.1	57 E	47*	27*
3 27	3 38.22	+21 48.7	2.874	2.379	19.1	21.1	51 E	42*	24*
4 6	3 56.04	+22 45.4	2.996	2.404	17.3	21.2	46 E	36*	22*
4 16	4 14.27	+23 35.8	3.109	2.428	15.4	21.2	40 E	31*	19*
4 26	4 32.80	+24 19.2	3.213	2.452	13.5	21.3	35 E	25*	17*
5 6	4 51.57	+24 55.0	3.306	2.474	11.5	21.3	29 E	20*	14*
5 16	5 10.50	+25 23.0	3.387	2.496	9.4	21.3	24 E	14*	11*
5 26	5 29.52	+25 42.7	3.456	2.517	7.4	21.2	19 E	9*	7*
6 5	5 48.54	+25 54.1	3.513	2.537	5.3	21.2	13 E	5*	4*
6 15	6 7.51	+25 57.3	3.557	2.556	3.3	21.1	8 E	1*	—
6 25	6 26.33	+25 52.3	3.587	2.573	1.4	21.0	4 E	—	—
7 5	6 44.96	+25 39.6	3.604	2.590	1.5	21.0	4 W	—	—
7 15	7 3.31	+25 19.5	3.607	2.606	3.3	21.2	9 W	2*	—
7 25	7 21.32	+24 52.6	3.596	2.621	5.3	21.3	14 W	6*	3*
8 4	7 38.93	+24 19.5	3.571	2.635	7.3	21.4	19 W	11*	6*
8 14	7 56.10	+23 40.9	3.533	2.648	9.3	21.5	25 W	17*	10*
378124 2006 VT_2									
12 27	1 33.47	+ 3 23.6	1.354	1.896	29.7	21.4	107 E	48	61*
1 6	1 28.70	+ 5 4.5	1.444	1.840	32.0	21.6	97 E	50	56*
1 16	1 28.04	+ 6 55.3	1.531	1.779	33.5	21.7	87 E	52	50*
1 26	1 30.85	+ 8 54.4	1.612	1.711	34.3	21.7	78 E	54*	43*
2 5	1 36.54	+11 0.7	1.680	1.636	34.6	21.7	70 E	53*	37*
357023 1999 YZ_3									
12 27	1 33.63	+14 19.2	1.416	1.998	27.3	19.7	111 E	59	50*
1 6	1 35.06	+16 39.9	1.496	1.959	29.3	19.8	102 E	62	46*
1 16	1 40.12	+19 5.3	1.578	1.921	30.7	19.9	94 E	64	41*
1 26	1 48.48	+21 34.7	1.661	1.885	31.4	20.0	87 E	67*	35*
2 5	1 59.82	+24 7.1	1.740	1.851	31.7	20.1	80 E	67*	30*
2 15	2 13.95	+26 40.9	1.815	1.818	31.6	20.1	74 E	65*	26*
2 25	2 30.74	+29 14.8	1.884	1.788	31.1	20.2	69 E	62*	22*
3 7	2 50.13	+31 46.1	1.948	1.760	30.5	20.2	64 E	58*	18*
3 17	3 12.14	+34 12.1	2.005	1.735	29.8	20.2	60 E	54*	16*
3 27	3 36.82	+36 29.3	2.056	1.713	28.9	20.2	56 E	50*	13*
4 6	4 4.20	+38 33.3	2.103	1.694	28.0	20.2	53 E	47*	12*
4 16	4 34.27	+40 19.2	2.144	1.678	27.1	20.2	50 E	44*	10*
4 26	5 6.86	+41 41.7	2.183	1.666	26.2	20.2	47 E	41*	10*
5 1	5 24.00	+42 12.6	2.201	1.662	25.7	20.2	46 E	40*	9*
5 6	5 41.63	+42 35.6	2.219	1.659	25.3	20.2	45 E	38*	9*

20/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
	h m	° ′			°	m	°	°	°
357023 1999 YZ_3 *(continuation)*									
5 11	5 59.67	+42 50.3	2.236	1.656	24.8	20.2	43 E	37*	9*
5 16	6 18.02	+42 56.3	2.254	1.655	24.3	20.2	42 E	36*	9*
5 21	6 36.60	+42 53.1	2.271	1.654	23.9	20.2	41 E	35*	9*
5 26	6 55.27	+42 40.7	2.289	1.655	23.4	20.2	40 E	34*	10*
5 31	7 13.95	+42 18.9	2.307	1.656	22.9	20.2	40 E	32*	10*
6 5	7 32.52	+41 47.9	2.326	1.659	22.4	20.2	39 E	31*	10*
6 10	7 50.89	+41 7.8	2.345	1.662	21.9	20.2	38 E	30*	11*
6 15	8 8.97	+40 19.1	2.365	1.667	21.4	20.2	37 E	29*	11*
6 20	8 26.69	+39 22.3	2.385	1.672	20.9	20.2	36 E	28*	11*
6 25	8 43.98	+38 17.8	2.406	1.678	20.3	20.2	35 E	27*	12*
6 30	9 0.81	+37 6.5	2.428	1.686	19.8	20.3	34 E	25*	12*
7 5	9 17.15	+35 48.9	2.451	1.694	19.2	20.3	33 E	24*	12*
7 10	9 32.99	+34 25.8	2.475	1.703	18.5	20.3	32 E	23*	12*
7 15	9 48.32	+32 57.9	2.500	1.713	17.9	20.3	31 E	22*	12*
7 20	10 3.15	+31 26.0	2.525	1.724	17.2	20.3	30 E	21*	12*
7 25	10 17.48	+29 50.6	2.551	1.735	16.5	20.3	29 E	20*	12*
7 30	10 31.35	+28 12.5	2.578	1.747	15.8	20.3	28 E	19*	12*
8 4	10 44.77	+26 32.3	2.606	1.760	15.1	20.3	27 E	18*	11*
8 9	10 57.78	+24 50.5	2.634	1.774	14.3	20.4	26 E	17*	11*
8 14	11 10.39	+23 7.7	2.662	1.788	13.5	20.4	24 E	16*	10*
8 24	11 34.55	+19 40.9	2.719	1.819	11.9	20.4	22 E	14*	8*
9 3	11 57.46	+16 15.0	2.775	1.851	10.3	20.4	19 E	12*	5*
9 13	12 19.32	+12 52.6	2.830	1.886	8.7	20.4	16 E	10*	2*
9 23	12 40.29	+ 9 35.7	2.881	1.922	7.2	20.4	14 E	8*	—
10 3	13 0.53	+ 6 25.7	2.927	1.960	6.1	20.5	12 E	6*	—
10 13	13 20.15	+ 3 23.6	2.968	1.999	5.6	20.5	11 E	3*	—
10 23	13 39.22	+ 0 30.4	3.001	2.038	5.9	20.6	12 W	4*	—
11 2	13 57.84	− 2 13.7	3.025	2.079	6.9	20.7	15 W	8*	—
11 12	14 16.02	− 4 48.4	3.039	2.120	8.3	20.8	18 W	12*	—
11 22	14 33.78	− 7 13.5	3.042	2.162	10.0	20.9	22 W	16*	4*
12 2	14 51.12	− 9 29.3	3.034	2.204	11.8	21.0	27 W	19*	10*
12 12	15 7.99	−11 36.0	3.014	2.246	13.6	21.1	33 W	22*	16*
12 22	15 24.34	−13 34.1	2.981	2.289	15.4	21.2	38 W	23*	23*
1 1	15 40.08	−15 24.3	2.936	2.331	17.0	21.3	44 W	24*	30*
1 11	15 55.10	−17 7.3	2.878	2.373	18.6	21.3	50 W	25*	38*
1 21	16 9.25	−18 44.2	2.810	2.415	19.9	21.4	57 W	24*	46*
331551 2000 WL_{54}									
12 27	1 35.07	+34 57.7	2.157	2.750	18.5	20.9	117 E	80	29*
1 1	1 36.65	+34 6.1	2.203	2.739	19.3	21.0	113 E	79	30*
1 6	1 38.92	+33 18.9	2.252	2.727	20.0	21.0	108 E	78	30*
1 11	1 41.84	+32 36.2	2.303	2.715	20.6	21.1	104 E	78	30*
1 16	1 45.37	+31 58.1	2.356	2.703	21.0	21.2	100 E	77	29*
1 21	1 49.46	+31 24.5	2.410	2.691	21.3	21.2	96 E	76	28*
1 26	1 54.07	+30 55.4	2.464	2.678	21.6	21.2	92 E	76	28*
1 31	1 59.14	+30 30.4	2.518	2.665	21.7	21.3	88 E	75*	27*
2 5	2 4.65	+30 9.3	2.573	2.652	21.7	21.3	84 E	73*	26*
2 10	2 10.57	+29 51.7	2.626	2.638	21.6	21.4	80 E	71*	25*
2 15	2 16.86	+29 37.4	2.679	2.625	21.4	21.4	76 E	68*	24*
2 20	2 23.51	+29 26.0	2.731	2.611	21.2	21.4	73 E	65*	23*
2 25	2 30.47	+29 17.2	2.782	2.597	20.8	21.4	69 E	62*	22*
3 2	2 37.74	+29 10.7	2.830	2.583	20.4	21.4	66 E	59*	21*
3 7	2 45.28	+29 6.0	2.877	2.568	20.0	21.4	62 E	55*	20*
3 12	2 53.10	+29 2.9	2.922	2.553	19.5	21.4	59 E	52*	19*
3 17	3 1.16	+29 1.1	2.964	2.538	18.9	21.4	56 E	49*	18*
3 22	3 9.46	+29 0.3	3.004	2.523	18.2	21.4	52 E	46*	17*
3 27	3 17.99	+29 0.2	3.042	2.508	17.6	21.4	49 E	43*	16*
4 1	3 26.71	+29 0.4	3.076	2.492	16.8	21.4	46 E	40*	15*
4 6	3 35.64	+29 0.7	3.108	2.476	16.1	21.4	43 E	36*	14*
4 11	3 44.76	+29 0.9	3.138	2.460	15.3	21.4	40 E	33*	13*
4 16	3 54.06	+29 0.7	3.164	2.444	14.4	21.4	37 E	30*	12*
4 21	4 3.52	+28 59.9	3.187	2.427	13.6	21.3	35 E	28*	11*
4 26	4 13.14	+28 58.2	3.207	2.411	12.7	21.3	32 E	25*	10*
5 1	4 22.90	+28 55.4	3.224	2.394	11.8	21.3	29 E	22*	9*
5 6	4 32.81	+28 51.3	3.239	2.377	10.8	21.2	26 E	19*	8*
5 11	4 42.85	+28 45.7	3.250	2.360	9.9	21.2	24 E	16*	7*
5 16	4 53.00	+28 38.5	3.257	2.342	8.9	21.1	21 E	14*	6*
5 21	5 3.27	+28 29.3	3.262	2.325	7.9	21.1	18 E	11*	4*
5 26	5 13.64	+28 18.1	3.264	2.307	6.9	21.0	16 E	9*	3*
5 31	5 24.09	+28 4.8	3.263	2.289	5.9	20.9	13 E	6*	2*
6 5	5 34.63	+27 49.0	3.258	2.271	4.9	20.9	11 E	4*	—
6 10	5 45.25	+27 30.8	3.251	2.253	3.9	20.8	9 E	2*	—
6 15	5 55.92	+27 9.9	3.241	2.234	2.9	20.7	6 E	—	—
6 20	6 6.65	+26 46.3	3.228	2.216	2.0	20.6	4 E	—	—
6 25	6 17.42	+26 19.8	3.212	2.198	1.4	20.5	3 E	—	—
6 30	6 28.23	+25 50.4	3.193	2.179	1.5	20.5	3 W	—	—
7 5	6 39.06	+25 17.8	3.172	2.160	2.2	20.5	5 W	—	—
7 10	6 49.91	+24 42.1	3.148	2.141	3.1	20.6	7 W	—	—
7 15	7 0.77	+24 3.2	3.122	2.122	4.2	20.6	9 W	1*	—
7 20	7 11.64	+23 20.9	3.093	2.104	5.2	20.6	11 W	3*	2*
7 25	7 22.49	+22 35.3	3.062	2.085	6.3	20.6	13 W	4*	4*

20/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
	h m	° ′			°	m	°	°	°
331551 2000 WL_{54} *(continuation)*									
7 30	7 33.34	+21 46.1	3.028	2.066	7.4	20.6	15 W	6*	6*
8 4	7 44.18	+20 53.5	2.993	2.047	8.5	20.6	17 W	8*	7*
8 9	7 55.01	+19 57.3	2.955	2.028	9.6	20.6	19 W	10*	9*
8 14	8 5.80	+18 57.6	2.915	2.009	10.7	20.6	22 W	12*	10*
8 19	8 16.58	+17 54.2	2.874	1.990	11.8	20.6	24 W	14*	12*
8 24	8 27.32	+16 47.1	2.831	1.971	12.9	20.6	26 W	16*	13*
8 29	8 38.05	+15 36.3	2.787	1.952	14.0	20.6	28 W	18*	15*
9 3	8 48.75	+14 21.8	2.741	1.933	15.1	20.6	30 W	19*	16*
9 8	8 59.43	+13 3.6	2.694	1.914	16.2	20.5	32 W	21*	18*
9 13	9 10.09	+11 41.6	2.645	1.896	17.3	20.5	34 W	23*	19*
9 18	9 20.72	+10 15.9	2.596	1.878	18.3	20.5	36 W	25*	21*
9 23	9 31.35	+ 8 46.5	2.546	1.860	19.4	20.5	38 W	26*	23*
10 3	9 52.60	+ 5 36.5	2.444	1.824	21.4	20.4	42 W	29*	26*
10 13	10 13.89	+ 2 11.8	2.340	1.790	23.5	20.3	46 W	31*	29*
10 23	10 35.29	− 1 26.9	2.237	1.757	25.4	20.2	49 W	32*	33*
11 2	10 56.91	− 5 19.0	2.134	1.725	27.3	20.2	53 W	33*	37*
11 12	11 18.86	− 9 23.1	2.034	1.695	29.0	20.1	56 W	32*	41*
11 22	11 41.27	−13 37.4	1.937	1.668	30.7	20.0	59 W	30*	46*
12 2	12 4.31	−17 59.4	1.844	1.643	32.2	19.9	63 W	26*	51*
12 7	12 16.12	−20 12.4	1.800	1.632	32.9	19.8	64 W	25*	53*
12 12	12 28.15	−22 26.0	1.757	1.621	33.6	19.8	66 W	23*	56*
12 17	12 40.42	−24 39.7	1.715	1.611	34.2	19.7	67 W	20	58*
12 22	12 52.97	−26 52.9	1.675	1.601	34.9	19.7	68 W	18	61*
12 27	13 5.81	−29 5.0	1.636	1.593	35.4	19.6	70 W	16	63*
1 1	13 18.96	−31 15.4	1.598	1.585	36.0	19.6	71 W	14	65*
1 6	13 32.44	−33 23.3	1.562	1.579	36.5	19.5	73 W	12	67*
1 11	13 46.26	−35 27.9	1.527	1.573	37.0	19.5	74 W	10	68*
1 16	14 0.44	−37 28.5	1.494	1.568	37.4	19.5	75 W	8	69*
1 21	14 14.97	−39 24.4	1.461	1.564	37.8	19.4	77 W	6	70*
380929 2006 HU_{30}									
12 27	1 35.55	+36 5.2	0.719	1.462	36.6	21.2	118 E	81	28*
1 1	1 42.41	+36 46.3	0.785	1.491	36.9	21.4	115 E	82	27*
1 6	1 49.92	+37 23.2	0.853	1.520	37.0	21.7	112 E	82	26*
1 11	1 58.01	+37 57.0	0.922	1.548	37.0	21.9	109 E	83	25*
1 16	2 6.63	+38 28.4	0.992	1.576	36.9	22.1	106 E	83	24*
120414 4880 *P–L*									
12 27	1 36.36	+20 7.0	1.935	2.501	21.1	21.0	114 E	65	44*
1 6	1 41.74	+20 23.8	2.093	2.535	22.0	21.2	105 E	65	42*
1 16	1 49.23	+20 50.9	2.257	2.568	22.3	21.4	97 E	66	40*
1 26	1 58.49	+21 26.8	2.422	2.600	22.2	21.6	89 E	66	37*
2 5	2 9.21	+22 9.3	2.588	2.632	21.8	21.7	82 E	66*	33*
9058 1992 *JB*									
12 27	1 38.03	− 2 11.5	0.849	1.467	40.1	19.9	106 E	43	66*
1 1	1 41.49	− 2 32.2	0.871	1.441	41.9	19.9	102 E	42	66*
1 6	1 45.98	− 2 43.9	0.893	1.415	43.5	20.0	98 E	42	65*
1 11	1 51.42	− 2 47.5	0.913	1.388	45.0	20.0	94 E	42	64*
1 16	1 57.77	− 2 43.9	0.932	1.362	46.3	20.1	91 E	42	62*
1 21	2 4.95	− 2 34.1	0.948	1.335	47.4	20.1	87 E	42	60*
1 26	2 12.93	− 2 18.9	0.963	1.309	48.5	20.1	84 E	43	58*
1 31	2 21.64	− 1 59.1	0.975	1.282	49.5	20.1	82 E	43	57*
2 5	2 31.07	− 1 35.3	0.985	1.256	50.4	20.1	79 E	43*	55*
2 15	2 51.98	− 0 37.8	0.997	1.205	52.3	20.1	75 E	43*	52*
2 25	3 15.54	+ 0 29.6	0.999	1.157	54.1	20.1	71 E	43*	50*
3 7	3 41.72	+ 1 43.4	0.989	1.112	56.0	20.0	68 E	41*	49*
3 17	4 10.60	+ 3 1.3	0.971	1.073	58.0	20.0	66 E	40*	48*
3 27	4 42.33	+ 4 20.8	0.943	1.040	60.2	19.9	65 E	39*	48*
4 6	5 17.08	+ 5 39.7	0.910	1.016	62.3	19.8	64 E	37*	48*
4 16	5 55.12	+ 6 55.9	0.874	1.001	64.3	19.8	64 E	36*	48*
4 26	6 36.63	+ 8 5.8	0.838	0.997	65.8	19.7	65 E	35*	48*
5 1	6 58.69	+ 8 36.8	0.822	0.998	66.4	19.7	65 E	35*	49*
5 6	7 21.60	+ 9 4.3	0.808	1.003	66.7	19.7	66 E	35*	49*
5 11	7 45.30	+ 9 27.2	0.796	1.010	66.8	19.7	67 E	34*	50*
5 16	8 9.71	+ 9 44.4	0.787	1.019	66.7	19.7	68 E	34*	50*
5 21	8 34.68	+ 9 55.0	0.781	1.031	66.2	19.7	69 E	34*	51*
5 26	9 0.02	+ 9 58.2	0.778	1.045	65.6	19.7	70 E	34*	52*
5 31	9 25.54	+ 9 53.4	0.780	1.061	64.7	19.7	71 E	34*	52*
6 5	9 51.02	+ 9 40.1	0.786	1.079	63.6	19.7	72 E	34*	53*
6 10	10 16.25	+ 9 18.5	0.797	1.099	62.4	19.7	74 E	34*	54*
6 15	10 41.02	+ 8 48.9	0.812	1.120	61.0	19.8	75 E	34*	54*
6 20	11 5.15	+ 8 11.9	0.831	1.142	59.6	19.8	76 E	34*	55*
6 25	11 28.50	+ 7 28.7	0.855	1.165	58.0	19.9	76 E	34*	56*
6 30	11 50.98	+ 6 40.2	0.882	1.189	56.5	19.9	77 E	34*	57*
7 5	12 12.55	+ 5 47.6	0.913	1.214	54.9	20.0	78 E	34*	58*
7 10	12 33.20	+ 4 51.9	0.948	1.239	53.4	20.1	78 E	34*	58*
7 15	12 52.97	+ 3 54.1	0.986	1.265	51.9	20.2	78 E	33*	59*
7 20	13 11.87	+ 2 54.9	1.027	1.291	50.4	20.3	78 E	33*	60*
7 25	13 29.96	+ 1 55.4	1.071	1.318	49.0	20.4	78 E	33*	61*

20/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
	h m	° ′			°	m	°	°	°
9058 1992 *JB* *(continuation)*									
8 4	14 3.99	− 0 2.6	1.165	1.371	46.3	20.6	78 E	32*	62*
8 14	14 35.61	− 1 56.0	1.268	1.424	43.7	20.8	76 E	32*	62*
8 24	15 5.30	− 3 41.9	1.377	1.476	41.3	21.0	75 E	31*	62*
9 3	15 33.47	− 5 18.1	1.491	1.527	39.0	21.1	72 E	31*	61*
9 13	16 0.49	− 6 43.5	1.609	1.577	36.8	21.3	70 E	30*	59*
9 23	16 26.61	− 7 56.7	1.729	1.625	34.6	21.5	67 E	30*	56*
103173 1999 XS_{233}									
12 27	1 38.87	+ 3 35.3	1.460	2.004	27.7	19.6	109 E	49	60*
1 6	1 49.29	+ 5 6.6	1.598	2.037	28.2	19.8	102 E	50	58*
1 16	2 1.33	+ 6 41.9	1.742	2.070	28.3	20.0	95 E	52	54*
1 26	2 14.71	+ 8 19.0	1.888	2.104	27.9	20.2	88 E	53	50*
2 5	2 29.19	+ 9 55.4	2.036	2.137	27.2	20.4	82 E	55*	46*
2 15	2 44.59	+11 29.5	2.185	2.170	26.2	20.6	76 E	55*	42*
2 25	3 0.77	+12 59.9	2.332	2.204	25.0	20.7	70 E	53*	39*
3 7	3 17.59	+14 25.1	2.476	2.237	23.6	20.8	65 E	50*	36*
3 17	3 34.97	+15 44.1	2.616	2.269	22.1	20.9	59 E	46*	33*
3 27	3 52.80	+16 56.1	2.751	2.302	20.4	21.0	53 E	41*	30*
4 6	4 10.99	+18 0.2	2.880	2.334	18.6	21.1	48 E	36*	27*
4 16	4 29.48	+18 55.9	3.002	2.365	16.7	21.1	43 E	30*	25*
4 26	4 48.18	+19 42.8	3.115	2.396	14.8	21.2	37 E	25*	22*
5 6	5 7.02	+20 20.5	3.219	2.426	12.8	21.2	32 E	19*	19*
5 16	5 25.93	+20 48.9	3.313	2.456	10.8	21.2	27 E	14*	16*
5 26	5 44.82	+21 8.0	3.396	2.485	8.7	21.2	22 E	8*	13*
6 5	6 3.63	+21 17.9	3.469	2.514	6.7	21.2	17 E	4*	9*
6 15	6 22.30	+21 18.8	3.529	2.541	4.6	21.2	12 E	—	5*
6 25	6 40.75	+21 11.0	3.576	2.568	2.5	21.1	6 E	—	—
7 5	6 58.92	+20 55.1	3.610	2.595	0.8	21.0	2 E	—	—
7 15	7 16.76	+20 31.6	3.631	2.620	1.9	21.1	5 W	—	—
7 25	7 34.20	+20 1.1	3.639	2.645	3.8	21.3	10 W	1*	3*
8 4	7 51.20	+19 24.4	3.632	2.668	5.8	21.4	16 W	6*	7*
8 14	8 7.71	+18 42.2	3.611	2.691	7.8	21.5	21 W	11*	10*
30105 2000 FO_3									
12 27	1 39.13	+ 8 35.9	1.459	2.027	27.0	17.9	111 E	54	55*
1 6	1 48.18	+10 9.3	1.606	2.065	27.6	18.1	103 E	55	53*
1 16	1 59.06	+11 44.3	1.758	2.102	27.7	18.4	96 E	57	49*
1 26	2 11.45	+13 19.3	1.913	2.139	27.4	18.6	89 E	58	45*
2 5	2 25.08	+14 53.0	2.069	2.176	26.7	18.8	83 E	60*	41*
2 15	2 39.75	+16 24.1	2.225	2.212	25.7	18.9	76 E	59*	38*
2 25	2 55.30	+17 51.5	2.378	2.247	24.5	19.1	70 E	56*	34*
3 7	3 11.57	+19 14.1	2.528	2.282	23.1	19.2	64 E	53*	31*
3 17	3 28.47	+20 31.2	2.673	2.315	21.5	19.3	59 E	48*	28*
3 27	3 45.91	+21 42.0	2.812	2.348	19.8	19.4	53 E	43*	26*
4 6	4 3.78	+22 45.8	2.943	2.380	18.0	19.5	47 E	38*	23*
4 16	4 22.01	+23 42.1	3.066	2.412	16.1	19.5	42 E	32*	20*
4 26	4 40.53	+24 30.4	3.179	2.442	14.1	19.6	36 E	27*	18*
5 6	4 59.25	+25 10.4	3.281	2.471	12.1	19.6	31 E	21*	15*
5 16	5 18.10	+25 42.0	3.373	2.499	10.1	19.6	26 E	16*	12*
5 26	5 37.01	+26 5.1	3.452	2.527	8.0	19.6	20 E	11*	9*
6 5	5 55.89	+26 19.7	3.519	2.553	5.9	19.5	15 E	6*	5*
6 15	6 14.69	+26 26.0	3.573	2.578	3.9	19.5	10 E	2*	1*
6 25	6 33.33	+26 24.4	3.613	2.602	2.0	19.4	5 E	—	—
7 5	6 51.73	+26 15.3	3.639	2.625	1.4	19.4	4 W	—	—
7 15	7 9.85	+25 59.1	3.651	2.647	2.9	19.5	8 W	1*	—
7 25	7 27.61	+25 36.6	3.649	2.668	4.8	19.7	13 W	6*	1*
8 4	7 44.96	+25 8.5	3.632	2.688	6.8	19.8	18 W	11*	5*
8 14	8 1.84	+24 35.7	3.601	2.707	8.7	19.8	24 W	16*	8*
8 24	8 18.19	+23 59.0	3.555	2.724	10.6	19.9	30 W	22*	11*
9 3	8 33.95	+23 19.5	3.496	2.741	12.4	19.9	36 W	28*	14*
9 13	8 49.07	+22 38.3	3.423	2.756	14.1	20.0	42 W	34*	17*
9 23	9 3.47	+21 56.8	3.337	2.770	15.7	20.0	48 W	40*	20*
10 3	9 17.07	+21 16.3	3.239	2.783	17.1	20.0	55 W	46*	23*
10 13	9 29.76	+20 38.3	3.130	2.795	18.3	20.0	62 W	52*	26*
10 23	9 41.42	+20 4.6	3.011	2.806	19.3	19.9	69 W	58*	30*
11 2	9 51.92	+19 36.8	2.885	2.816	20.0	19.8	76 W	62*	33*
11 12	10 1.06	+19 16.9	2.752	2.825	20.4	19.8	84 W	64*	37*
11 22	10 8.62	+19 7.1	2.617	2.832	20.4	19.7	92 W	64	40*
12 2	10 14.35	+19 9.2	2.481	2.839	19.9	19.5	101 W	64	43*
12 12	10 17.96	+19 25.1	2.348	2.844	18.9	19.4	110 W	64	44*
12 22	10 19.16	+19 55.8	2.223	2.848	17.4	19.2	120 W	65	44
1 1	10 17.70	+20 41.4	2.110	2.851	15.1	19.0	131 W	66	43
1 11	10 13.41	+21 40.1	2.015	2.853	12.3	18.8	142 W	67	42
1 21	10 6.39	+22 47.7	1.941	2.854	9.0	18.6	153 W	68	41
259753 2004 *AY*									
12 27	1 39.19	+24 41.0	1.228	1.878	28.1	19.4	116 E	70	39*
1 6	1 41.90	+26 9.1	1.304	1.848	30.6	19.5	107 E	71	37*
1 16	1 48.79	+27 44.8	1.383	1.820	32.3	19.7	99 E	73	33*
1 26	1 59.46	+29 27.5	1.463	1.793	33.3	19.8	92 E	74	29*
2 5	2 13.51	+31 15.2	1.540	1.768	33.8	19.9	86 E	75*	26*
2 15	2 30.70	+33 5.5	1.615	1.744	33.9	20.0	80 E	73*	23*

20/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
	259753 2004 *AY*							*(continuation)*	
	h m	° ′			°	m	°	°	°
2 25	2 50.84	+34 55.3	1.685	1.723	33.8	20.0	75 E	69*	20*
3 7	3 13.78	+36 40.5	1.751	1.703	33.4	20.1	71 E	65*	18*
3 17	3 39.46	+38 16.9	1.813	1.686	32.8	20.1	67 E	61*	16*
3 27	4 7.72	+39 39.8	1.871	1.672	32.1	20.1	63 E	57*	15*
4 6	4 38.34	+40 44.0	1.926	1.660	31.3	20.2	60 E	53*	14*
4 11	4 54.43	+41 7.6	1.952	1.655	30.9	20.2	58 E	52*	14*
4 16	5 10.98	+41 24.8	1.978	1.651	30.4	20.2	56 E	50*	14*
4 21	5 27.91	+41 35.1	2.003	1.648	30.0	20.2	55 E	49*	14*
4 26	5 45.15	+41 38.0	2.028	1.645	29.5	20.2	54 E	47*	14*
5 1	6 2.60	+41 33.2	2.053	1.643	29.0	20.2	52 E	46*	14*
5 6	6 20.20	+41 20.4	2.078	1.642	28.5	20.2	51 E	44*	15*
5 11	6 37.85	+40 59.6	2.103	1.642	28.0	20.2	50 E	42*	15*
5 16	6 55.46	+40 30.8	2.128	1.643	27.4	20.2	48 E	41*	15*
5 21	7 12.95	+39 54.0	2.153	1.644	26.9	20.3	47 E	39*	16*
5 26	7 30.25	+39 9.4	2.178	1.646	26.3	20.3	46 E	37*	16*
5 31	7 47.28	+38 17.4	2.204	1.649	25.7	20.3	45 E	36*	17*
6 5	8 4.00	+37 18.4	2.230	1.652	25.1	20.3	44 E	34*	18*
6 10	8 20.37	+36 12.8	2.256	1.656	24.5	20.3	42 E	32*	18*
6 15	8 36.35	+35 1.1	2.283	1.661	23.8	20.3	41 E	30*	18*
6 20	8 51.92	+33 43.9	2.311	1.667	23.1	20.3	40 E	28*	19*
6 25	9 7.07	+32 21.8	2.339	1.673	22.4	20.3	39 E	27*	19*
6 30	9 21.79	+30 55.3	2.367	1.681	21.7	20.4	38 E	25*	19*
7 5	9 36.11	+29 25.0	2.396	1.688	20.9	20.4	36 E	23*	19*
7 10	9 50.02	+27 51.4	2.426	1.697	20.1	20.4	35 E	22*	19*
7 15	10 3.54	+26 15.1	2.455	1.706	19.3	20.4	34 E	20*	19*
7 20	10 16.69	+24 36.5	2.485	1.715	18.5	20.4	32 E	19*	19*
7 25	10 29.49	+22 56.2	2.515	1.725	17.6	20.4	31 E	17*	18*
8 4	10 54.12	+19 31.9	2.576	1.747	15.9	20.4	28 E	15*	17*
8 14	11 17.63	+16 5.2	2.637	1.771	14.0	20.4	25 E	12*	15*
8 24	11 40.18	+12 38.8	2.696	1.797	12.1	20.5	22 E	10*	13*
9 3	12 1.95	+ 9 14.6	2.753	1.824	10.1	20.5	18 E	8*	10*
9 13	12 23.10	+ 5 54.4	2.806	1.852	8.0	20.4	15 E	6*	6*
9 23	12 43.73	+ 2 39.5	2.856	1.882	6.0	20.4	11 E	4*	3*
10 3	13 3.97	− 0 29.1	2.899	1.913	4.1	20.4	8 E	1*	—
10 13	13 23.93	− 3 30.6	2.936	1.944	2.6	20.4	5 E	—	—
10 23	13 43.65	− 6 24.3	2.965	1.976	2.6	20.4	5 W	—	—
11 2	14 3.20	− 9 9.7	2.986	2.009	4.1	20.6	8 W	2*	—
11 12	14 22.63	−11 46.7	2.997	2.042	6.0	20.7	12 W	6*	1*
11 22	14 41.93	−14 14.8	2.998	2.075	8.1	20.8	17 W	9*	6*
12 2	15 1.12	−16 34.2	2.988	2.108	10.1	20.9	22 W	12*	11*
12 12	15 20.15	−18 44.8	2.968	2.141	12.2	21.0	27 W	14*	16*
12 22	15 38.99	−20 46.9	2.936	2.174	14.2	21.1	33 W	15*	22*
1 1	15 57.57	−22 41.0	2.893	2.207	16.0	21.2	38 W	16*	29*
1 11	16 15.79	−24 27.8	2.839	2.240	17.8	21.2	44 W	16*	36*
1 21	16 33.53	−26 8.1	2.774	2.272	19.4	21.3	50 W	16*	43*
	478997 2012 XU_{134}								
12 27	1 39.57	+ 6 44.1	1.623	2.167	25.2	21.5	110 E	52	57*
1 6	1 40.05	+ 9 0.3	1.702	2.120	27.1	21.6	101 E	54	53*
1 16	1 43.78	+11 22.9	1.784	2.073	28.3	21.7	92 E	56	48*
1 26	1 50.46	+13 50.8	1.865	2.026	28.9	21.8	85 E	59*	42*
2 5	1 59.81	+16 22.4	1.943	1.979	29.1	21.8	77 E	60*	36*
	15700 1987 *QD*								
12 27	1 39.86	−16 47.1	1.866	2.255	25.4	19.0	100 E	28	81*
1 1	1 43.53	−16 1.6	1.941	2.272	25.5	19.1	96 E	29	79*
1 6	1 47.64	−15 14.0	2.016	2.290	25.4	19.2	93 E	30	76*
1 11	1 52.14	−14 24.8	2.091	2.307	25.2	19.3	90 E	31	73*
1 16	1 57.01	−13 34.3	2.167	2.325	25.0	19.4	87 E	31	70*
1 26	2 7.72	−11 51.3	2.316	2.358	24.3	19.5	80 E	33	64*
2 5	2 19.53	−10 7.6	2.464	2.391	23.4	19.7	74 E	35*	58*
2 15	2 32.25	− 8 25.2	2.607	2.423	22.3	19.8	68 E	35*	54*
2 25	2 45.75	− 6 45.7	2.745	2.455	21.0	19.9	63 E	33*	49*
3 7	2 59.87	− 5 10.7	2.877	2.485	19.6	20.0	57 E	31*	45*
3 17	3 14.54	− 3 41.1	3.001	2.514	18.2	20.0	52 E	27*	41*
3 27	3 29.66	− 2 18.0	3.117	2.542	16.7	20.1	47 E	23*	38*
4 6	3 45.14	− 1 2.1	3.224	2.570	15.1	20.1	42 E	18*	34*
4 16	4 0.92	+ 0 5.8	3.322	2.596	13.6	20.2	37 E	12*	30*
4 26	4 16.93	+ 1 5.3	3.408	2.621	12.0	20.2	33 E	6*	27*
5 6	4 33.11	+ 1 55.8	3.484	2.645	10.6	20.2	29 E	—	23*
5 16	4 49.39	+ 2 37.0	3.548	2.669	9.3	20.2	25 E	—	19*
5 26	5 5.72	+ 3 8.6	3.600	2.691	8.2	20.2	22 E	—	14*
6 5	5 22.02	+ 3 30.5	3.640	2.712	7.5	20.2	20 E	—	9*
6 15	5 38.25	+ 3 42.8	3.667	2.732	7.2	20.2	20 E	—	4*
6 25	5 54.33	+ 3 45.2	3.682	2.751	7.3	20.3	20 W	—	7*
7 5	6 10.19	+ 3 38.1	3.683	2.769	8.0	20.3	22 W	—	13*
7 15	6 25.79	+ 3 21.5	3.672	2.785	8.9	20.4	25 W	—	18*
7 25	6 41.03	+ 2 55.8	3.648	2.801	10.1	20.4	29 W	—	23*
8 4	6 55.86	+ 2 21.3	3.611	2.816	11.3	20.4	33 W	3*	27*
8 14	7 10.20	+ 1 38.4	3.561	2.829	12.7	20.5	38 W	9*	31*

20/22	α_{2000}	δ_{2000}	Δ	r	β	V	ψ	45°	–26°
	15700 1987 *QD*							*(continuation)*	
	h m	° ′			°	m	°	°	°
8 24	7 23.95	+ 0 47.6	3.499	2.841	14.0	20.5	43 W	16*	35*
9 3	7 37.04	− 0 10.4	3.425	2.853	15.3	20.5	48 W	21*	39*
9 13	7 49.36	− 1 15.1	3.339	2.863	16.5	20.5	54 W	27*	43*
9 23	8 0.79	− 2 25.5	3.244	2.872	17.6	20.5	60 W	31*	47*
10 3	8 11.20	− 3 40.7	3.139	2.880	18.5	20.4	66 W	35*	52*
10 13	8 20.44	− 4 59.7	3.026	2.887	19.2	20.4	72 W	38*	56*
10 23	8 28.31	− 6 20.9	2.906	2.893	19.8	20.3	79 W	38*	61*
11 2	8 34.62	− 7 42.5	2.782	2.897	20.0	20.2	87 W	37	66*
11 12	8 39.14	− 9 2.4	2.656	2.901	19.9	20.1	94 W	36	71*
11 22	8 41.62	−10 17.5	2.532	2.903	19.4	20.0	102 W	35	74*
12 2	8 41.85	−11 24.3	2.411	2.905	18.6	19.9	110 W	34	75
12 12	8 39.65	−12 18.1	2.298	2.905	17.3	19.7	119 W	33	76
12 22	8 34.99	−12 53.8	2.198	2.904	15.6	19.6	128 W	32	77
1 1	8 28.04	−13 6.0	2.114	2.902	13.6	19.4	136 W	32	77
1 11	8 19.24	−12 50.2	2.052	2.899	11.8	19.3	143 W	32	77
1 21	8 9.35	−12 4.0	2.014	2.895	10.4	19.2	148 E	33	76
	19402 1998 EG_{14}								
12 27	1 40.28	+ 5 24.8	1.046	1.660	33.9	17.5	110 E	50	59*
1 6	1 53.03	+ 7 13.0	1.120	1.651	35.4	17.7	103 E	52	56*
1 16	2 8.48	+ 9 10.7	1.198	1.644	36.4	17.9	97 E	54	52*
1 26	2 26.29	+11 13.3	1.278	1.639	36.9	18.0	92 E	56	49*
2 5	2 46.08	+13 16.3	1.360	1.638	36.9	18.1	87 E	58	45*
2 15	3 7.62	+15 16.0	1.444	1.640	36.7	18.3	83 E	60*	42*
2 25	3 30.68	+17 8.6	1.530	1.645	36.1	18.4	78 E	60*	40*
3 7	3 55.02	+18 50.7	1.618	1.652	35.3	18.5	74 E	58*	38*
3 17	4 20.45	+20 19.6	1.707	1.663	34.3	18.6	70 E	56*	36*
3 27	4 46.75	+21 33.0	1.797	1.676	33.2	18.7	67 E	53*	35*
4 6	5 13.68	+22 28.8	1.888	1.692	31.9	18.8	63 E	49*	33*
4 16	5 41.02	+23 5.9	1.980	1.710	30.4	18.9	60 E	46*	33*
4 26	6 8.53	+23 23.8	2.073	1.730	28.9	18.9	56 E	41*	32*
5 6	6 35.97	+23 22.4	2.166	1.752	27.3	19.0	53 E	37*	31*
5 16	7 3.16	+23 2.4	2.259	1.776	25.6	19.1	49 E	32*	31*
5 26	7 29.91	+22 24.9	2.351	1.802	23.9	19.2	46 E	27*	30*
6 5	7 56.07	+21 31.2	2.442	1.829	22.0	19.2	43 E	23*	29*
6 15	8 21.58	+20 23.1	2.532	1.857	20.2	19.3	39 E	18*	28*
6 25	8 46.34	+19 2.3	2.619	1.886	18.2	19.3	36 E	14*	26*
7 5	9 10.35	+17 30.8	2.703	1.916	16.3	19.3	32 E	11*	23*
7 15	9 33.61	+15 50.4	2.783	1.947	14.3	19.4	28 E	8*	21*
7 25	9 56.15	+14 2.8	2.859	1.978	12.2	19.4	24 E	6*	17*
8 4	10 18.00	+12 9.7	2.929	2.010	10.2	19.4	20 E	3*	14*
8 14	10 39.22	+10 12.6	2.993	2.042	8.1	19.4	16 E	2*	10*
8 24	10 59.86	+ 8 13.0	3.050	2.074	6.0	19.4	12 E	—	6*
9 3	11 19.99	+ 6 12.2	3.100	2.106	3.9	19.3	8 E	—	2*
9 13	11 39.65	+ 4 11.3	3.141	2.138	1.9	19.3	4 E	—	—
9 23	11 58.89	+ 2 11.6	3.172	2.170	1.0	19.2	2 W	—	—
10 3	12 17.75	+ 0 14.0	3.194	2.202	2.7	19.4	6 W	—	—
10 13	12 36.26	− 1 40.4	3.205	2.233	4.8	19.6	11 W	5*	—
10 23	12 54.44	− 3 30.7	3.205	2.264	6.9	19.7	16 W	9*	3*
11 2	13 12.30	− 5 16.1	3.193	2.294	8.9	19.8	21 W	14*	6*
11 12	13 29.83	− 6 55.8	3.170	2.324	10.9	19.9	26 W	18*	11*
11 22	13 46.98	− 8 29.0	3.134	2.353	12.8	20.0	32 W	22*	15*
12 2	14 3.72	− 9 55.1	3.087	2.382	14.6	20.1	38 W	25*	21*
12 12	14 19.98	−11 13.5	3.027	2.410	16.3	20.1	43 W	27*	27*
12 22	14 35.66	−12 23.6	2.956	2.437	17.9	20.1	50 W	29*	33*
1 1	14 50.64	−13 25.2	2.874	2.464	19.3	20.1	56 W	30*	41*
1 11	15 4.78	−14 17.8	2.783	2.489	20.5	20.1	63 W	30*	48*
1 21	15 17.88	−15 1.3	2.682	2.514	21.5	20.1	70 W	30*	56*
	382625 2002 PC_{130}								
12 27	1 40.28	+53 53.4	0.561	1.353	39.1	19.4	120 E	81	10*
12 29	1 51.20	+53 8.4	0.570	1.362	38.7	19.4	120 E	82	11
12 31	2 1.79	+52 21.4	0.581	1.371	38.3	19.4	120 E	83	12
1 2	2 12.04	+51 32.7	0.592	1.380	37.9	19.5	120 E	83	12
1 4	2 21.96	+50 42.5	0.604	1.390	37.6	19.5	120 E	84	13
1 6	2 31.54	+49 51.3	0.616	1.400	37.3	19.6	120 E	85	14
1 11	2 54.05	+47 40.7	0.651	1.425	36.7	19.7	120 E	87	16
1 16	3 14.67	+45 29.8	0.690	1.451	36.2	19.9	119 E	90	19
1 21	3 33.61	+43 22.0	0.733	1.478	35.9	20.0	118 E	88	21
1 26	3 51.08	+41 19.5	0.781	1.506	35.7	20.2	117 E	86	23
1 31	4 7.30	+39 23.8	0.832	1.535	35.6	20.4	115 E	84	25
2 5	4 22.46	+37 35.6	0.888	1.564	35.5	20.6	113 E	83	26
2 10	4 36.74	+35 55.0	0.947	1.593	35.3	20.7	111 E	81	28
2 15	4 50.28	+34 21.8	1.009	1.623	35.2	20.9	109 E	79	30
2 20	5 3.21	+32 55.7	1.075	1.653	35.0	21.1	106 E	78	31
2 25	5 15.61	+31 36.0	1.144	1.684	34.8	21.3	104 E	77	32*
3 2	5 27.56	+30 22.1	1.215	1.714	34.5	21.4	102 E	75	34*