119541 2001 VP_{20} 2 1.9 267.°17 0.°6/ 2.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 2	9 24.94	+14 7.5	1.484	2.336	15.2	19.6
1 12	9 19.04	+14 27.2	1.407	2.328	11.0	19.4
1 22	9 10.45	+14 58.8	1.354	2.320	6.1	19.1
2 1	9 0.12	+15 37.7	1.328	2.313	0.9	18.7
2 11	8 49.43	+16 17.6	1.329	2.305	4.8	18.9
2 21	8 39.84	+16 52.9	1.357	2.297	9.9	19.2
3 2	8 32.60	+17 19.5	1.409	2.289	14.6	19.5
3 12	8 28.49	+17 35.4	1.480	2.281	18.4	19.7

273339 2006 TH_{85} 2 1.9 123.°94 1.°5/ 2.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 29.11	+11 53.0	1.533	2.371	15.5	21.5
1 12	9 21.61	+12 9.9	1.476	2.388	11.2	21.2
1 22	9 11.63	+12 39.6	1.443	2.405	6.4	21.0
2 1	9 0.21	+13 17.6	1.437	2.421	1.7	20.7
2 11	8 48.79	+13 58.0	1.460	2.436	4.5	21.0
2 21	8 38.72	+14 35.4	1.511	2.450	9.3	21.3
3 2	8 31.09	+15 6.0	1.587	2.463	13.5	21.5
3 12	8 26.49	+15 27.7	1.685	2.476	16.9	21.8

243054 2007 CF_{64} 2 1.9 296.°91 3.°2/ 4.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 19.53	+ 5 28.8	1.792	2.617	14.2	20.0
1 12	9 14.90	+ 6 2.4	1.700	2.600	10.8	19.7
1 22	9 8.13	+ 6 56.2	1.632	2.584	7.0	19.4
2 1	8 59.92	+ 8 7.4	1.590	2.567	3.6	19.2
2 11	8 51.29	+ 9 30.5	1.577	2.551	4.5	19.2
2 21	8 43.37	+10 58.2	1.592	2.535	8.5	19.4
3 2	8 37.19	+12 23.1	1.633	2.519	12.6	19.6
3 12	8 33.49	+13 39.4	1.696	2.503	16.2	19.8

225566 2000 TP_{15} 2 1.9 146.°95 3.°9/ 4.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 21.49	+ 3 36.8	2.184	2.987	12.8	21.0
1 12	9 15.78	+ 3 42.2	2.109	2.994	9.8	20.8
1 22	9 8.37	+ 4 3.2	2.059	3.000	6.7	20.7
2 1	8 59.93	+ 4 38.4	2.037	3.006	4.2	20.5
2 11	8 51.36	+ 5 24.3	2.044	3.011	4.6	20.5
2 21	8 43.54	+ 6 16.4	2.081	3.016	7.3	20.7
3 2	8 37.24	+ 7 9.9	2.144	3.021	10.4	20.9
3 12	8 33.01	+ 8 0.6	2.231	3.025	13.2	21.1

40536 1999 RL_{103} 2 1.9 191.°07 3.°2/ 3.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 24.43	+ 7 22.0	1.861	2.683	13.9	19.1
1 12	9 18.16	+ 7 21.1	1.783	2.682	10.5	18.9
1 22	9 9.77	+ 7 34.7	1.729	2.681	6.7	18.6
2 1	9 0.07	+ 8 1.1	1.702	2.679	3.5	18.4
2 11	8 50.13	+ 8 36.4	1.705	2.677	4.6	18.5
2 21	8 41.07	+ 9 16.0	1.736	2.674	8.3	18.7
3 2	8 33.87	+ 9 55.3	1.793	2.671	12.1	18.9
3 12	8 29.18	+10 30.4	1.873	2.668	15.3	19.1

18953 Laurensmith 2 1.9 92.°36 1.°3/ 1.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 23.72	+18 56.4	1.863	2.716	12.5	19.6
1 12	9 17.60	+19 32.8	1.803	2.725	8.8	19.4
1 22	9 9.42	+20 14.1	1.767	2.735	4.7	19.1
2 1	9 0.03	+20 55.0	1.760	2.744	1.3	18.9
2 11	8 50.57	+21 30.1	1.783	2.753	4.6	19.2
2 21	8 42.15	+21 55.8	1.833	2.763	8.6	19.4
3 2	8 35.68	+22 10.1	1.909	2.772	12.2	19.6
3 12	8 31.74	+22 13.1	2.006	2.781	15.1	19.9

284153 2005 XN_{32} 2 1.9 194.°55 3.°1/30.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 26.66	+21 52.4	1.710	2.565	13.3	21.1
1 12	9 20.07	+23 2.5	1.640	2.564	9.4	20.8
1 22	9 10.94	+24 17.3	1.596	2.562	5.3	20.6
2 1	9 0.18	+25 28.4	1.580	2.559	3.1	20.4
2 11	8 49.13	+26 27.9	1.593	2.555	6.2	20.6
2 21	8 39.15	+27 10.5	1.634	2.551	10.4	20.9
3 2	8 31.40	+27 34.5	1.699	2.547	14.2	21.1
3 12	8 26.64	+27 41.1	1.784	2.542	17.4	21.3

237177 2008 UZ_{160} 2 1.9 56.°17 1.°3/ 1.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 21.95	+18 59.6	1.977	2.830	11.9	21.0
1 12	9 16.29	+19 34.6	1.913	2.836	8.4	20.8
1 22	9 8.70	+20 14.4	1.874	2.842	4.5	20.5
2 1	8 59.98	+20 54.1	1.864	2.848	1.3	20.3
2 11	8 51.15	+21 28.6	1.883	2.854	4.3	20.5
2 21	8 43.26	+21 54.4	1.931	2.861	8.2	20.8
3 2	8 37.16	+22 9.4	2.004	2.867	11.7	21.0
3 12	8 33.41	+22 13.5	2.099	2.874	14.5	21.2

33020 1997 MG_9 2 1.9 29.°71 1.°2/ 2.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 23.41	+13 29.6	1.000	1.873	19.0	18.6
1 12	9 18.33	+13 37.0	0.957	1.888	13.6	18.4
1 22	9 10.11	+14 0.1	0.935	1.903	7.6	18.1
2 1	9 0.11	+14 33.2	0.935	1.920	1.6	17.8
2 11	8 50.20	+15 8.4	0.960	1.938	5.5	18.1
2 21	8 42.13	+15 39.0	1.008	1.957	11.3	18.5
3 2	8 37.13	+16 0.5	1.077	1.977	16.3	18.8
3 12	8 35.77	+16 10.6	1.164	1.998	20.4	19.1

372487 2009 SH_{225} 2 1.9 95.°63 1.°0/ 1.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 2	9 24.42	+18 46.0	1.840	2.691	12.7	20.6
1 12	9 18.17	+19 6.4	1.772	2.694	9.0	20.4
1 22	9 9.77	+19 31.7	1.729	2.696	4.8	20.2
2 1	9 0.09	+19 57.0	1.714	2.699	1.0	19.9
2 11	8 50.29	+20 17.7	1.729	2.701	4.4	20.1
2 21	8 41.52	+20 30.5	1.771	2.704	8.6	20.4
3 2	8 34.73	+20 33.9	1.839	2.706	12.4	20.6
3 12	8 30.54	+20 27.7	1.929	2.708	15.5	20.8

23528 1993 FQ_{38} 2 1.9 230.°36 0.°7/ 2.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 23.15	+12 52.1	1.833	2.674	13.2	19.7
1 12	9 17.38	+13 24.6	1.753	2.668	9.6	19.5
1 22	9 9.43	+14 8.8	1.697	2.661	5.3	19.2
2 1	9 0.07	+15 0.4	1.669	2.654	1.0	18.9
2 11	8 50.42	+15 53.8	1.671	2.647	4.1	19.1
2 21	8 41.63	+16 43.5	1.701	2.639	8.5	19.3
3 2	8 34.70	+17 25.3	1.757	2.631	12.5	19.6
3 12	8 30.34	+17 56.7	1.835	2.623	15.8	19.8

466703 2014 WN_{406} 2 2.0 241.°70 3.°7/30.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 23.66	+24 52.7	1.892	2.751	12.1	21.6
1 12	9 17.76	+25 54.4	1.824	2.748	8.6	21.4
1 22	9 9.62	+26 57.0	1.782	2.745	5.2	21.2
2 1	9 0.09	+27 53.3	1.768	2.742	3.8	21.1
2 11	8 50.34	+28 36.8	1.782	2.739	6.3	21.2
2 21	8 41.57	+29 3.8	1.825	2.736	9.8	21.4
3 2	8 34.79	+29 13.3	1.891	2.733	13.2	21.6
3 12	8 30.66	+29 6.7	1.978	2.730	16.1	21.8

56916 2000 QU_{210} 2 2.0 119.°88 0.°6/ 1.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 21.61	+18 12.7	2.589	3.430	9.8	19.6
1 12	9 15.65	+18 31.5	2.523	3.440	6.9	19.4
1 22	9 8.22	+18 53.8	2.484	3.450	3.7	19.2
2 1	8 59.96	+19 16.4	2.475	3.460	0.6	19.0
2 11	8 51.65	+19 36.1	2.497	3.469	3.3	19.2
2 21	8 44.07	+19 50.6	2.549	3.478	6.5	19.4
3 2	8 37.88	+19 58.3	2.628	3.487	9.4	19.6
3 12	8 33.54	+19 58.9	2.731	3.496	11.8	19.8

240029 2001 UY_{69} 2 2.0 334.°87 3.°5/ 3.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 22.15	+ 8 16.6	1.250	2.100	17.5	20.2
1 12	9 17.36	+ 8 16.3	1.178	2.093	13.2	19.9
1 22	9 9.68	+ 8 36.3	1.127	2.086	8.2	19.6
2 1	9 0.11	+ 9 14.1	1.100	2.080	3.9	19.4
2 11	8 50.15	+10 3.8	1.098	2.074	5.6	19.4
2 21	8 41.38	+10 58.1	1.121	2.069	10.7	19.7
3 2	8 35.17	+11 49.7	1.167	2.064	15.6	20.0
3 12	8 32.33	+12 33.0	1.232	2.061	19.8	20.2

370772 2004 RK_{314} 2 2.0 201.°54 2.°6/31.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 24.72	+23 36.7	2.137	2.987	11.2	21.5
1 12	9 18.25	+24 12.7	2.064	2.985	8.0	21.3
1 22	9 9.79	+24 49.3	2.018	2.983	4.6	21.1
2 1	9 0.11	+25 21.3	2.001	2.980	2.7	21.0
2 11	8 50.28	+25 44.0	2.014	2.976	5.1	21.1
2 21	8 41.33	+25 54.6	2.055	2.973	8.6	21.3
3 2	8 34.19	+25 52.5	2.123	2.969	11.8	21.5
3 12	8 29.44	+25 38.7	2.212	2.965	14.5	21.7

280751 2005 QR_{19} 2 2.0 116.°04 1.°1/ 2.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 27.15	+12 6.8	1.538	2.379	15.3	21.6
1 12	9 20.27	+12 36.7	1.481	2.395	11.0	21.3
1 22	9 10.95	+13 19.8	1.447	2.411	6.2	21.1
2 1	9 0.22	+14 10.8	1.442	2.426	1.4	20.8
2 11	8 49.44	+15 3.1	1.464	2.440	4.5	21.1
2 21	8 39.95	+15 50.8	1.515	2.454	9.2	21.4
3 2	8 32.82	+16 29.8	1.591	2.467	13.4	21.6
3 12	8 28.64	+16 57.8	1.687	2.480	16.8	21.9

405881 2006 EO_{17} 2 2.0 305.°77 1.°9/ 1.1 14 C

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 24.91	+19 42.0	1.344	2.211	15.5	21.1
1 12	9 19.43	+20 10.5	1.263	2.193	11.1	20.8
1 22	9 10.89	+20 46.2	1.205	2.174	6.1	20.5
2 1	9 0.24	+21 22.3	1.173	2.156	1.9	20.1
2 11	8 49.04	+21 51.2	1.166	2.139	6.1	20.4
2 21	8 39.00	+22 7.5	1.185	2.121	11.5	20.6
3 2	8 31.60	+22 9.0	1.227	2.105	16.5	20.8
3 12	8 27.76	+21 55.9	1.286	2.088	20.6	21.1

161995 1983 LB 2 2.0 198.°77 7.°3/25.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 32.20	+39 25.9	2.549	3.374	10.5	22.5
1 12	9 23.80	+41 11.8	2.486	3.369	8.6	22.4
1 22	9 12.94	+42 48.1	2.451	3.363	7.4	22.3
2 1	9 0.42	+44 6.1	2.446	3.355	7.6	22.3
2 11	8 47.46	+44 59.6	2.470	3.347	9.1	22.4
2 21	8 35.35	+45 26.6	2.522	3.336	11.1	22.5
3 2	8 25.25	+45 28.6	2.597	3.325	13.1	22.6
3 12	8 17.94	+45 10.2	2.690	3.313	14.9	22.8

85045 5015 *P–L* 2 2.0 68°.12 8°.2/28.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 2	9 32.08	+36 46.8	1.586	2.437	14.4	18.8
1 12	9 23.91	+37 45.6	1.550	2.456	11.2	18.7
1 22	9 12.89	+38 30.0	1.538	2.475	8.8	18.6
2 1	9 0.39	+38 51.1	1.551	2.494	8.3	18.6
2 11	8 48.17	+38 44.0	1.591	2.513	10.1	18.8
2 21	8 37.81	+38 9.9	1.656	2.532	12.9	19.0
3 2	8 30.43	+37 13.6	1.743	2.551	15.6	19.2
3 12	8 26.50	+36 1.7	1.849	2.570	18.0	19.4

501327 2013 XN_5 2 2.0 134°.61 1°.8/ 3.2 17

1 2	9 22.34	+11 17.2	2.143	2.974	12.0	21.1
1 12	9 16.45	+11 11.4	2.067	2.974	8.8	20.9
1 22	9 8.78	+11 14.7	2.016	2.974	5.2	20.7
2 1	9 0.03	+11 25.2	1.993	2.975	2.0	20.5
2 11	8 51.14	+11 40.0	2.000	2.975	3.7	20.6
2 21	8 43.04	+11 56.1	2.037	2.975	7.3	20.8
3 2	8 36.55	+12 10.7	2.100	2.975	10.7	21.1
3 12	8 32.21	+12 21.5	2.185	2.975	13.6	21.2

23333 2059 *P–L* 2 2.0 267°.13 2°.6/31.6 18

1 2	9 26.13	+22 8.0	1.634	2.493	13.6	18.7
1 12	9 19.75	+22 41.0	1.562	2.487	9.7	18.5
1 22	9 10.80	+23 16.8	1.515	2.481	5.4	18.2
2 1	9 0.23	+23 48.8	1.494	2.476	2.6	18.0
2 11	8 49.41	+24 10.9	1.502	2.470	5.8	18.2
2 21	8 39.73	+24 19.6	1.537	2.464	10.2	18.4
3 2	8 32.37	+24 14.0	1.596	2.458	14.2	18.7
3 12	8 28.04	+23 55.4	1.675	2.452	17.6	18.9

343992 2011 OP_{53} 2 2.0 202°.00 0°.9/ 2.7 17

1 2	9 21.39	+13 10.0	2.700	3.528	9.9	21.6
1 12	9 15.51	+13 13.9	2.617	3.525	7.1	21.4
1 22	9 8.18	+13 24.2	2.560	3.521	4.0	21.2
2 1	8 59.98	+13 38.8	2.534	3.518	1.1	21.0
2 11	8 51.64	+13 55.0	2.539	3.513	3.0	21.2
2 21	8 43.90	+14 10.6	2.574	3.509	6.1	21.4
3 2	8 37.43	+14 23.3	2.637	3.504	9.1	21.5
3 12	8 32.73	+14 31.7	2.725	3.500	11.6	21.7

229576 2006 BV_{17} 2 2.0 114°.61 0°.1/ 2.1 18

1 2	9 22.21	+14 37.6	2.068	2.910	11.9	20.8
1 12	9 16.39	+15 14.2	2.003	2.920	8.5	20.6
1 22	9 8.74	+15 59.1	1.964	2.930	4.6	20.4
2 1	9 0.03	+16 47.9	1.954	2.939	0.4	20.1
2 11	8 51.22	+17 35.5	1.974	2.949	3.7	20.4
2 21	8 43.28	+18 17.7	2.023	2.958	7.6	20.6
3 2	8 37.02	+18 51.5	2.099	2.967	11.0	20.9
3 12	8 33.00	+19 15.4	2.197	2.975	13.9	21.1

51872 2001 PN_9 2 2.0 44°.86 3°.6/ 4.2 18

1 2	9 21.88	+ 6 36.6	2.036	2.855	13.0	18.1
1 12	9 16.14	+ 6 15.2	1.966	2.861	9.9	17.9
1 22	9 8.61	+ 6 6.8	1.920	2.867	6.5	17.7
2 1	9 0.02	+ 6 10.4	1.902	2.874	3.8	17.5
2 11	8 51.33	+ 6 23.7	1.912	2.881	4.6	17.6
2 21	8 43.48	+ 6 43.3	1.951	2.888	7.6	17.8
3 2	8 37.27	+ 7 5.6	2.017	2.896	10.9	18.0
3 12	8 33.27	+ 7 27.2	2.105	2.903	13.7	18.2

206775 2004 CC_{65} 2 2.0 45°.91 3°.6/30.5 18

1 2	9 22.46	+25 4.4	1.884	2.745	12.0	20.0
1 12	9 16.75	+25 59.5	1.833	2.758	8.5	19.8
1 22	9 8.99	+26 54.0	1.807	2.771	5.1	19.6
2 1	9 0.05	+27 41.5	1.809	2.784	3.7	19.6
2 11	8 51.10	+28 16.1	1.840	2.797	6.0	19.7
2 21	8 43.22	+28 35.2	1.898	2.811	9.4	20.0
3 2	8 37.31	+28 38.2	1.980	2.826	12.6	20.2
3 12	8 33.93	+28 26.8	2.083	2.840	15.2	20.4

454845 2015 RW_{234} 2 2.0 135°.47 2°.5/31.4 18

1 2	9 27.86	+20 18.7	1.735	2.586	13.4	21.8
1 12	9 20.71	+21 28.0	1.679	2.601	9.4	21.6
1 22	9 11.20	+22 42.0	1.649	2.615	5.1	21.4
2 1	9 0.28	+23 52.7	1.647	2.628	2.5	21.3
2 11	8 49.28	+24 52.7	1.675	2.641	5.6	21.5
2 21	8 39.47	+25 37.2	1.732	2.652	9.7	21.7
3 2	8 31.90	+26 4.6	1.814	2.663	13.3	22.0
3 12	8 27.21	+26 15.9	1.916	2.673	16.3	22.2

373940 2003 US_{354} 2 2.0 174°.80 5°.9/28.2 17

1 2	9 27.05	+35 51.4	2.469	3.309	10.3	21.6
1 12	9 19.82	+36 47.0	2.410	3.311	8.0	21.5
1 22	9 10.60	+37 34.2	2.378	3.312	6.3	21.4
2 1	9 0.22	+38 6.8	2.374	3.314	6.0	21.4
2 11	8 49.76	+38 20.6	2.399	3.315	7.5	21.4
2 21	8 40.28	+38 14.5	2.452	3.315	9.7	21.6
3 2	8 32.66	+37 50.1	2.529	3.315	12.0	21.7
3 12	8 27.48	+37 10.7	2.627	3.315	14.0	21.9

370699 2004 JD_{32} 2 2.0 238°.03 2°.0/31.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 2	9 23.66	+20 27.7	2.090	2.939	11.5	21.3
1 12	9 17.65	+21 20.4	2.006	2.927	8.1	21.1
1 22	9 9.58	+22 18.0	1.949	2.915	4.5	20.9
2 1	9 0.14	+23 14.7	1.921	2.902	2.0	20.7
2 11	8 50.38	+24 4.7	1.923	2.889	4.9	20.8
2 21	8 41.38	+24 43.4	1.953	2.875	8.7	21.0
3 2	8 34.10	+25 8.7	2.010	2.861	12.2	21.2
3 12	8 29.24	+25 20.3	2.088	2.846	15.1	21.4

322798 2001 QH_{254} 2 2.0 126°.21 4°.4/30.6 18

1 2	9 30.26	+29 14.5	1.937	2.786	12.3	21.0
1 12	9 22.22	+29 41.5	1.880	2.796	9.0	20.8
1 22	9 11.91	+30 2.9	1.848	2.805	5.8	20.6
2 1	9 0.34	+30 12.4	1.845	2.814	4.5	20.6
2 11	8 48.84	+30 6.2	1.872	2.823	6.5	20.7
2 21	8 38.64	+29 43.5	1.927	2.832	9.8	20.9
3 2	8 30.72	+29 6.2	2.007	2.840	12.9	21.1
3 12	8 25.63	+28 17.5	2.108	2.848	15.6	21.3

118803 2000 SC_{48} 2 2.0 73°.94 6°.8/ 6.8 18

1 2	9 21.67	− 2 37.8	1.830	2.614	15.6	19.7
1 12	9 16.12	− 2 56.2	1.766	2.628	12.6	19.5
1 22	9 8.65	− 2 51.8	1.725	2.643	9.6	19.3
2 1	9 0.05	− 2 24.6	1.709	2.657	7.2	19.2
2 11	8 51.36	− 1 37.6	1.720	2.672	7.0	19.2
2 21	8 43.61	− 0 36.4	1.759	2.686	9.1	19.4
3 2	8 37.65	+ 0 32.3	1.822	2.700	11.9	19.6
3 12	8 34.06	+ 1 41.6	1.909	2.715	14.7	19.8

329926 2005 NS_{43} 2 2.0 196°.60 0°.2/ 1.8 17

1 2	9 23.70	+15 45.4	2.119	2.960	11.7	21.9
1 12	9 17.53	+16 20.3	2.041	2.957	8.3	21.7
1 22	9 9.43	+17 2.9	1.989	2.955	4.5	21.4
2 1	9 0.13	+17 48.7	1.966	2.951	0.4	21.1
2 11	8 50.61	+18 32.8	1.974	2.947	3.8	21.4
2 21	8 41.88	+19 10.9	2.011	2.943	7.8	21.6
3 2	8 34.83	+19 40.3	2.074	2.938	11.3	21.8
3 12	8 30.07	+19 59.6	2.160	2.932	14.3	22.0

240329 2003 NV_4 2 2.0 201°.39 1°.2/ 1.3 18

1 2	9 26.43	+18 31.7	1.967	2.811	12.3	21.5
1 12	9 19.62	+19 6.9	1.889	2.808	8.7	21.3
1 22	9 10.62	+19 47.7	1.836	2.803	4.7	21.1
2 1	9 0.25	+20 28.8	1.813	2.798	1.2	20.8
2 11	8 49.62	+21 5.0	1.821	2.792	4.5	21.0
2 21	8 39.90	+21 32.1	1.857	2.785	8.6	21.3
3 2	8 32.08	+21 48.3	1.919	2.777	12.3	21.5
3 12	8 26.85	+21 53.2	2.003	2.769	15.4	21.7

428909 2008 VX_{39} 2 2.0 73°.60 5°.1/29.2 18

1 2	9 23.93	+30 17.9	2.078	2.933	11.3	20.3
1 12	9 17.78	+31 19.2	2.023	2.940	8.3	20.1
1 22	9 9.56	+32 15.9	1.994	2.947	5.8	20.0
2 1	9 0.14	+33 1.1	1.993	2.954	5.2	20.0
2 11	8 50.64	+33 29.6	2.021	2.961	7.1	20.1
2 21	8 42.17	+33 39.2	2.076	2.968	9.9	20.3
3 2	8 35.64	+33 30.6	2.155	2.975	12.6	20.5
3 12	8 31.64	+33 6.5	2.255	2.982	15.0	20.7

95530 2002 EF_{75} 2 2.0 227°.80 0°.8/ 2.8 18

1 2	9 18.62	+12 33.8	2.843	3.672	9.4	20.3
1 12	9 13.55	+12 53.9	2.758	3.667	6.8	20.1
1 22	9 7.14	+13 21.4	2.700	3.661	3.8	19.9
2 1	8 59.92	+13 53.6	2.671	3.655	1.0	19.7
2 11	8 52.54	+14 27.7	2.674	3.649	2.8	19.8
2 21	8 45.69	+15 0.6	2.707	3.643	5.8	20.0
3 2	8 39.97	+15 29.8	2.768	3.636	8.6	20.2
3 12	8 35.86	+15 53.5	2.853	3.630	11.0	20.4

436355 2010 JS_{117} 2 2.0 231°.48 2°.1/31.2 18

1 2	9 20.67	+22 16.1	2.543	3.393	9.7	21.1
1 12	9 15.20	+23 2.6	2.466	3.387	6.8	20.9
1 22	9 8.11	+23 51.2	2.416	3.381	3.8	20.7
2 1	9 0.01	+24 37.3	2.395	3.375	2.1	20.6
2 11	8 51.73	+25 16.7	2.405	3.368	4.3	20.7
2 21	8 44.10	+25 46.1	2.445	3.362	7.4	20.9
3 2	8 37.86	+26 4.0	2.511	3.355	10.3	21.1
3 12	8 33.56	+26 10.5	2.599	3.348	12.7	21.2

434297 2004 DK_{46} 2 2.0 310°.71 2°.5/ 3.4 16

1 2	9 21.18	+10 2.8	1.954	2.787	12.8	20.9
1 12	9 16.02	+ 9 52.8	1.853	2.760	9.6	20.7
1 22	9 8.77	+ 9 53.8	1.776	2.733	5.9	20.4
2 1	9 0.09	+10 4.6	1.726	2.706	2.7	20.1
2 11	8 50.97	+10 22.4	1.705	2.679	4.2	20.2
2 21	8 42.48	+10 43.5	1.712	2.653	8.2	20.4
3 2	8 35.63	+11 4.5	1.745	2.627	12.1	20.5
3 12	8 31.16	+11 22.2	1.800	2.601	15.6	20.7

222801 2002 CZ_{232} 2 2.0 18.°76 0.°6/ 2.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 2	9 23.22	+14 39.4	1.695	2.544	13.7	20.0
1 12	9 17.46	+14 47.8	1.627	2.546	9.8	19.7
1 22	9 9.47	+15 5.1	1.583	2.548	5.4	19.5
2 1	9 0.14	+15 27.7	1.566	2.551	0.9	19.1
2 11	8 50.67	+15 50.9	1.577	2.553	4.2	19.4
2 21	8 42.24	+16 10.8	1.617	2.556	8.7	19.7
3 2	8 35.86	+16 24.5	1.681	2.560	12.7	19.9
3 12	8 32.14	+16 30.3	1.766	2.563	16.0	20.1

493837 2015 VO_{141} 2 2.0 62.°05 4.°6/ 4.5 18

1 2	9 23.94	+ 5 12.0	1.385	2.217	17.2	20.5
1 12	9 18.22	+ 5 7.1	1.326	2.227	13.1	20.3
1 22	9 9.97	+ 5 23.5	1.288	2.238	8.6	20.1
2 1	9 0.20	+ 5 59.1	1.275	2.249	5.0	19.9
2 11	8 50.32	+ 6 48.7	1.288	2.260	5.8	20.0
2 21	8 41.70	+ 7 45.3	1.328	2.271	9.8	20.2
3 2	8 35.47	+ 8 41.8	1.391	2.282	14.0	20.5
3 12	8 32.26	+ 9 32.4	1.475	2.293	17.6	20.8

226842 2004 SV_{25} 2 2.0 160.°51 1.°8/31.6 18

1 2	9 23.76	+21 17.1	2.459	3.303	10.1	21.0
1 12	9 17.32	+21 54.8	2.390	3.309	7.1	20.8
1 22	9 9.22	+22 34.6	2.349	3.315	3.9	20.6
2 1	9 0.13	+23 11.9	2.339	3.320	1.8	20.5
2 11	8 50.94	+23 42.8	2.359	3.325	4.1	20.6
2 21	8 42.53	+24 4.3	2.409	3.329	7.3	20.9
3 2	8 35.66	+24 15.4	2.486	3.333	10.3	21.0
3 12	8 30.83	+24 16.3	2.586	3.336	12.7	21.2

46145 2001 FC_{63} 2 2.0 113.°29 1.°1/ 1.2 18

1 2	9 22.38	+18 23.1	2.180	3.027	11.2	19.6
1 12	9 16.47	+19 3.3	2.117	3.037	7.8	19.4
1 22	9 8.79	+19 48.3	2.081	3.048	4.2	19.2
2 1	9 0.09	+20 33.5	2.074	3.058	1.1	19.0
2 11	8 51.31	+21 14.0	2.097	3.068	4.0	19.2
2 21	8 43.39	+21 46.2	2.149	3.077	7.6	19.4
3 2	8 37.11	+22 8.2	2.228	3.087	10.8	19.7
3 12	8 33.00	+22 19.6	2.329	3.096	13.5	19.9

75073 1999 VK_{21} 2 2.0 9.°77 1.°3/ 1.5 18

1 2	9 24.37	+19 36.1	1.217	2.089	16.4	17.5
1 12	9 18.89	+19 38.9	1.160	2.091	11.6	17.2
1 22	9 10.45	+19 46.9	1.124	2.094	6.3	16.9
2 1	9 0.25	+19 54.5	1.114	2.098	1.3	16.6
2 11	8 49.96	+19 56.1	1.128	2.103	5.7	16.9
2 21	8 41.23	+19 48.6	1.168	2.110	11.0	17.2
3 2	8 35.31	+19 31.0	1.230	2.117	15.7	17.5
3 12	8 32.85	+19 3.8	1.310	2.126	19.6	17.8

120364 Stevecooley 2 2.0 103.°85 0.°2/ 1.9 18

1 2	9 28.00	+17 52.3	1.917	2.759	12.7	19.7
1 12	9 20.49	+17 48.4	1.856	2.773	9.0	19.5
1 22	9 10.95	+17 48.6	1.822	2.788	4.8	19.2
2 1	9 0.29	+17 49.3	1.817	2.802	0.5	18.9
2 11	8 49.67	+17 47.4	1.842	2.816	4.0	19.2
2 21	8 40.20	+17 40.9	1.896	2.829	8.1	19.5
3 2	8 32.76	+17 28.9	1.976	2.842	11.7	19.8
3 12	8 27.89	+17 11.3	2.079	2.855	14.6	20.0

312143 2007 TW_{366} 2 2.0 40.°88 1.°6/ 2.9 18

1 2	9 24.80	+12 16.7	1.563	2.408	14.9	21.0
1 12	9 18.75	+12 20.6	1.493	2.408	10.9	20.8
1 22	9 10.26	+12 36.7	1.446	2.409	6.2	20.5
2 1	9 0.25	+13 1.4	1.426	2.410	1.9	20.2
2 11	8 50.04	+13 30.0	1.434	2.410	4.5	20.4
2 21	8 40.94	+13 57.7	1.470	2.411	9.2	20.7
3 2	8 34.06	+14 20.6	1.530	2.412	13.5	20.9
3 12	8 30.09	+14 36.2	1.610	2.413	17.1	21.2

291062 2005 YK_{80} 2 2.0 62.°41 1.°3/ 1.1 18

1 2	9 21.97	+17 55.3	1.833	2.687	12.6	20.7
1 12	9 16.50	+18 47.5	1.769	2.692	8.9	20.5
1 22	9 8.94	+19 46.7	1.730	2.698	4.7	20.3
2 1	9 0.12	+20 46.9	1.719	2.703	1.3	20.0
2 11	8 51.16	+21 41.8	1.737	2.708	4.6	20.3
2 21	8 43.15	+22 26.3	1.783	2.714	8.7	20.5
3 2	8 37.04	+22 57.9	1.855	2.719	12.4	20.8
3 12	8 33.44	+23 15.8	1.947	2.725	15.4	21.0

415901 2001 TS_{215} 2 2.0 110.°56 8.°1/ 8.3 18

1 2	9 23.38	− 8 29.1	2.160	2.896	15.0	21.6
1 12	9 17.11	− 9 4.0	2.097	2.916	12.6	21.5
1 22	9 9.12	− 9 15.9	2.055	2.935	10.3	21.4
2 1	9 0.14	− 9 3.4	2.039	2.953	8.6	21.3
2 11	8 51.09	− 8 28.2	2.049	2.971	8.2	21.3
2 21	8 42.88	− 7 34.6	2.087	2.989	9.3	21.4
3 2	8 36.27	− 6 28.7	2.151	3.006	11.3	21.6
3 12	8 31.81	− 5 17.4	2.238	3.022	13.5	21.7

197087 2003 UG_{182} 2 2.0 164.°40 0.°2/ 2.2 18 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 2	9 21.32	+14 21.5	2.216	3.055	11.3	20.6
1 12	9 15.75	+14 51.9	2.142	3.057	8.1	20.3
1 22	9 8.44	+15 30.3	2.094	3.059	4.4	20.1
2 1	9 0.08	+16 13.0	2.075	3.060	0.5	19.8
2 11	8 51.57	+16 55.6	2.087	3.061	3.5	20.1
2 21	8 43.80	+17 34.1	2.127	3.062	7.2	20.3
3 2	8 37.59	+18 5.5	2.195	3.063	10.6	20.5
3 12	8 33.46	+18 28.3	2.285	3.064	13.4	20.7

394823 2008 SY_{107} 2 2.0 191.°86 3.°1/ 3.9 18

1 2	9 26.10	+ 6 45.6	1.970	2.783	13.6	22.5
1 12	9 19.33	+ 6 54.5	1.887	2.782	10.2	22.3
1 22	9 10.47	+ 7 18.3	1.829	2.779	6.5	22.0
2 1	9 0.28	+ 7 54.8	1.799	2.776	3.4	21.8
2 11	8 49.82	+ 8 40.1	1.800	2.771	4.4	21.9
2 21	8 40.18	+ 9 29.3	1.830	2.766	8.1	22.1
3 2	8 32.33	+10 17.4	1.887	2.760	11.8	22.3
3 12	8 26.94	+11 0.5	1.966	2.753	15.0	22.5

160295 2003 EY_{49} 2 2.0 243.°28 2.°6/31.6 18

1 2	9 28.26	+22 16.7	1.703	2.557	13.4	20.4
1 12	9 21.34	+22 51.6	1.621	2.544	9.6	20.1
1 22	9 11.75	+23 29.4	1.564	2.530	5.4	19.8
2 1	9 0.41	+24 3.4	1.535	2.516	2.7	19.6
2 11	8 48.67	+24 27.4	1.535	2.501	5.8	19.8
2 21	8 37.98	+24 37.3	1.562	2.486	10.3	20.0
3 2	8 29.57	+24 32.5	1.615	2.471	14.4	20.2
3 12	8 24.24	+24 14.2	1.687	2.454	17.8	20.4

242632 2005 MR_{20} 2 2.0 184.°91 0.°9/ 1.2 18

1 2	9 19.29	+17 5.6	2.454	3.299	10.1	20.3
1 12	9 14.24	+18 2.4	2.379	3.299	7.1	20.1
1 22	9 7.61	+19 5.6	2.332	3.299	3.8	19.9
2 1	9 0.01	+20 10.5	2.314	3.299	0.9	19.7
2 11	8 52.23	+21 12.2	2.328	3.298	3.7	19.9
2 21	8 45.09	+22 6.3	2.370	3.298	7.0	20.1
3 2	8 39.32	+22 50.2	2.440	3.298	10.1	20.3
3 12	8 35.43	+23 22.5	2.533	3.297	12.6	20.5

157547 2005 UV_{26} 2 2.0 110.°03 1.°3/ 2.7 18

1 2	9 26.60	+12 29.8	1.446	2.292	15.8	20.4
1 12	9 20.10	+12 45.8	1.384	2.301	11.4	20.1
1 22	9 11.00	+13 15.1	1.346	2.310	6.5	19.9
2 1	9 0.33	+13 52.9	1.335	2.319	1.6	19.6
2 11	8 49.56	+14 33.2	1.351	2.327	4.7	19.8
2 21	8 40.08	+15 10.2	1.394	2.335	9.6	20.1
3 2	8 33.05	+15 40.0	1.462	2.343	14.1	20.4
3 12	8 29.14	+16 0.1	1.549	2.351	17.7	20.6

212811 2007 TE_{388} 2 2.0 38.°00 1.°8/ 3.1 18

1 2	9 22.39	+10 29.1	1.331	2.184	16.5	20.5
1 12	9 17.25	+10 58.5	1.273	2.192	12.0	20.3
1 22	9 9.51	+11 45.6	1.238	2.201	7.0	20.0
2 1	9 0.19	+12 45.0	1.227	2.210	2.1	19.7
2 11	8 50.76	+13 49.0	1.243	2.220	4.8	19.9
2 21	8 42.61	+14 50.0	1.285	2.231	9.8	20.2
3 2	8 36.89	+15 42.0	1.351	2.241	14.4	20.5
3 12	8 34.28	+16 21.5	1.437	2.253	18.1	20.8

390371 2013 RE_{13} 2 2.0 238.°98 6.°0/ 6.1 17

1 2	9 21.82	− 1 27.6	2.154	2.933	13.7	20.9
1 12	9 16.22	− 1 50.2	2.063	2.924	11.1	20.7
1 22	9 8.78	− 1 54.5	1.995	2.913	8.4	20.5
2 1	9 0.13	− 1 39.7	1.954	2.903	6.4	20.4
2 11	8 51.19	− 1 7.5	1.941	2.892	6.4	20.3
2 21	8 42.88	− 0 21.6	1.956	2.881	8.4	20.4
3 2	8 36.08	+ 0 32.8	1.997	2.869	11.3	20.6
3 12	8 31.41	+ 1 30.0	2.062	2.857	14.1	20.8

199838 Hafili 2 2.0 246.°31 3.°8/30.3 18

1 2	9 25.19	+26 52.4	2.168	3.019	11.0	20.5
1 12	9 18.74	+27 38.5	2.087	3.007	8.0	20.3
1 22	9 10.17	+28 23.2	2.034	2.994	5.0	20.0
2 1	9 0.26	+29 0.6	2.009	2.981	3.8	19.9
2 11	8 50.09	+29 25.4	2.014	2.967	6.0	20.1
2 21	8 40.74	+29 34.9	2.047	2.953	9.2	20.2
3 2	8 33.22	+29 28.7	2.106	2.939	12.4	20.4
3 12	8 28.17	+29 8.5	2.186	2.925	15.1	20.6

306279 2011 ST_{15} 2 2.0 201.°50 4.°2/ 6.2 17

1 2	9 17.97	− 0 30.7	2.865	3.640	10.7	21.9
1 12	9 13.09	− 0 19.6	2.776	3.638	8.6	21.7
1 22	9 6.92	+ 0 6.5	2.712	3.634	6.3	21.6
2 1	8 59.95	+ 0 46.5	2.676	3.631	4.5	21.4
2 11	8 52.83	+ 1 38.0	2.670	3.627	4.4	21.4
2 21	8 46.20	+ 2 37.5	2.694	3.623	6.2	21.5
3 2	8 40.65	+ 3 40.7	2.746	3.619	8.6	21.7
3 12	8 36.63	+ 4 43.5	2.824	3.614	10.8	21.8

5600 1991 *UY* 2 2.0 85°.03 4°.4/30.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 2	9 27.56	+23 53.9	1.380	2.246	15.2	16.6
1 12	9 20.95	+25 11.4	1.333	2.261	10.8	16.4
1 22	9 11.50	+26 30.2	1.311	2.276	6.4	16.2
2 1	9 0.39	+27 39.9	1.315	2.291	4.4	16.1
2 11	8 49.26	+28 31.7	1.346	2.306	7.5	16.3
2 21	8 39.70	+29 1.3	1.403	2.320	11.7	16.6
3 2	8 32.90	+29 9.0	1.482	2.334	15.6	16.9
3 12	8 29.49	+28 57.6	1.580	2.349	18.8	17.1

336025 2007 UX_{54} 2 2.0 121°.64 0°.5/ 1.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 21.35	+17 4.9	2.591	3.430	9.9	21.6
1 12	9 15.51	+17 34.7	2.527	3.444	6.9	21.4
1 22	9 8.21	+18 9.1	2.491	3.456	3.7	21.2
2 1	9 0.08	+18 44.5	2.484	3.469	0.5	21.0
2 11	8 51.91	+19 17.4	2.508	3.481	3.2	21.2
2 21	8 44.44	+19 44.9	2.563	3.493	6.4	21.5
3 2	8 38.34	+20 5.1	2.645	3.504	9.3	21.7
3 12	8 34.07	+20 17.3	2.750	3.515	11.7	21.8

143191 2002 XO_{81} 2 2.0 129°.58 1°.1/ 1.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 25.50	+18 43.5	2.065	2.910	11.8	20.5
1 12	9 18.73	+19 17.4	2.005	2.923	8.3	20.3
1 22	9 10.05	+19 55.6	1.970	2.937	4.4	20.1
2 1	9 0.27	+20 33.3	1.965	2.949	1.1	19.9
2 11	8 50.45	+21 5.7	1.990	2.961	4.2	20.1
2 21	8 41.60	+21 29.5	2.045	2.973	7.9	20.4
3 2	8 34.59	+21 43.3	2.126	2.984	11.3	20.6
3 12	8 29.95	+21 46.7	2.229	2.994	14.1	20.8

305827 2009 DK_{128} 2 2.0 12°.27 0°.0/ 1.9 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 22.88	+15 39.7	1.205	2.074	16.8	21.2
1 12	9 17.88	+15 58.9	1.147	2.076	12.0	20.9
1 22	9 9.97	+16 29.9	1.110	2.079	6.5	20.6
2 1	9 0.28	+17 6.6	1.098	2.083	0.6	20.2
2 11	8 50.42	+17 41.8	1.111	2.088	5.3	20.6
2 21	8 42.01	+18 9.7	1.149	2.094	10.8	20.9
3 2	8 36.31	+18 26.7	1.209	2.100	15.6	21.2
3 12	8 34.04	+18 31.3	1.288	2.108	19.6	21.5

207091 2005 AQ_{1} 2 2.0 357°.48 1°.2/ 2.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 20.38	+12 22.1	1.174	2.041	17.2	19.3
1 12	9 16.21	+12 46.7	1.110	2.037	12.5	19.0
1 22	9 9.14	+13 28.9	1.068	2.035	7.1	18.7
2 1	9 0.21	+14 23.1	1.049	2.033	1.6	18.3
2 11	8 50.98	+15 21.2	1.055	2.032	5.2	18.6
2 21	8 43.06	+16 15.1	1.085	2.033	10.8	18.9
3 2	8 37.79	+16 58.6	1.137	2.035	15.9	19.2
3 12	8 35.95	+17 28.2	1.208	2.038	20.1	19.5

144598 2004 FY_{44} 2 2.0 269°.94 5°.2/ 6.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 18.02	− 2 32.2	2.454	3.227	12.4	19.9
1 12	9 13.37	− 2 21.5	2.360	3.217	10.1	19.8
1 22	9 7.18	− 1 52.1	2.290	3.206	7.6	19.6
2 1	9 0.02	− 1 4.2	2.246	3.196	5.6	19.4
2 11	8 52.62	− 0 0.7	2.232	3.185	5.4	19.4
2 21	8 45.75	+ 1 14.0	2.246	3.175	7.3	19.5
3 2	8 40.13	+ 2 34.4	2.288	3.164	9.9	19.6
3 12	8 36.30	+ 3 54.7	2.354	3.154	12.4	19.8

415277 2013 EJ_{122} 2 2.0 240°.24 0°.2/ 2.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 24.56	+14 17.6	1.823	2.665	13.2	22.2
1 12	9 18.52	+14 50.0	1.737	2.654	9.5	21.9
1 22	9 10.18	+15 33.1	1.676	2.641	5.2	21.7
2 1	9 0.31	+16 22.2	1.643	2.628	0.6	21.3
2 11	8 50.07	+17 11.7	1.640	2.615	4.2	21.5
2 21	8 40.65	+17 56.2	1.665	2.601	8.8	21.8
3 2	8 33.14	+18 31.9	1.716	2.587	12.9	22.0
3 12	8 28.30	+18 56.6	1.788	2.572	16.4	22.2

261535 2005 WE_{113} 2 2.0 171°.20 2°.0/31.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 22.30	+19 16.8	1.957	2.811	12.0	20.1
1 12	9 16.73	+20 26.7	1.888	2.812	8.4	19.9
1 22	9 9.11	+21 43.0	1.845	2.813	4.6	19.7
2 1	9 0.21	+22 59.0	1.831	2.813	2.0	19.5
2 11	8 51.08	+24 7.8	1.847	2.814	5.0	19.7
2 21	8 42.80	+25 3.9	1.891	2.814	8.8	19.9
3 2	8 36.34	+25 44.8	1.961	2.814	12.3	20.1
3 12	8 32.31	+26 10.0	2.052	2.815	15.2	20.3

138551 2000 QF_{32} 2 2.0 111°.38 1°.7/31.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 20.98	+20 50.5	2.581	3.428	9.6	20.3
1 12	9 15.31	+21 35.3	2.521	3.441	6.8	20.1
1 22	9 8.13	+22 22.5	2.488	3.454	3.7	19.9
2 1	9 0.11	+23 7.6	2.485	3.466	1.7	19.8
2 11	8 52.02	+23 46.7	2.513	3.479	3.9	20.0
2 21	8 44.66	+24 16.9	2.570	3.491	6.9	20.2
3 2	8 38.69	+24 36.7	2.655	3.503	9.6	20.4
3 12	8 34.58	+24 46.1	2.762	3.514	12.0	20.6

289051 2004 TB_{176} 2 2.0 127°.55 2°.3/ 3.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 2	9 26.07	+ 8 49.7	1.825	2.650	14.0	21.2
1 12	9 19.26	+ 9 7.0	1.763	2.666	10.3	21.0
1 22	9 10.40	+ 9 38.3	1.725	2.681	6.2	20.8
2 1	9 0.33	+10 20.0	1.715	2.696	2.6	20.6
2 11	8 50.20	+11 7.4	1.736	2.710	4.1	20.7
2 21	8 41.12	+11 55.2	1.785	2.723	8.1	21.0
3 2	8 34.00	+12 38.9	1.860	2.736	11.8	21.3
3 12	8 29.43	+13 15.4	1.958	2.747	14.9	21.5

206846 2004 EM_{96} 2 2.0 285°.30 0°.5/ 1.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 21.70	+17 35.8	2.216	3.062	11.0	20.5
1 12	9 16.10	+17 54.3	2.134	3.054	7.8	20.3
1 22	9 8.70	+18 17.9	2.079	3.045	4.2	20.1
2 1	9 0.17	+18 43.0	2.052	3.037	0.6	19.8
2 11	8 51.44	+19 5.7	2.056	3.029	3.7	20.0
2 21	8 43.45	+19 23.0	2.088	3.021	7.5	20.2
3 2	8 37.02	+19 32.8	2.147	3.013	10.9	20.4
3 12	8 32.74	+19 34.3	2.228	3.005	13.8	20.6

425010 2009 DU_{106} 2 2.0 180°.89 0°.1/ 1.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 19.61	+14 46.9	2.385	3.226	10.6	21.3
1 12	9 14.49	+15 34.4	2.310	3.226	7.5	21.1
1 22	9 7.78	+16 30.0	2.260	3.226	4.0	20.9
2 1	9 0.08	+17 29.4	2.241	3.226	0.4	20.6
2 11	8 52.22	+18 27.8	2.252	3.226	3.4	20.8
2 21	8 45.00	+19 20.9	2.293	3.226	6.9	21.1
3 2	8 39.18	+20 5.4	2.361	3.225	10.1	21.3
3 12	8 35.28	+20 39.8	2.452	3.225	12.7	21.4

11975 1995 FA_{1} 2 2.0 258°.71 1°.3/ 2.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 25.89	+12 22.7	1.439	2.287	15.8	18.9
1 12	9 19.95	+12 41.7	1.357	2.275	11.6	18.7
1 22	9 11.16	+13 15.3	1.297	2.261	6.6	18.3
2 1	9 0.43	+13 59.4	1.264	2.248	1.6	18.0
2 11	8 49.19	+14 47.5	1.258	2.234	4.9	18.2
2 21	8 38.98	+15 32.9	1.278	2.220	10.3	18.4
3 2	8 31.17	+16 10.7	1.323	2.205	15.2	18.7
3 12	8 26.65	+16 37.7	1.387	2.191	19.3	18.9

199920 2007 GC_{28} 2 2.0 197°.37 1°.3/ 3.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 21.30	+10 44.1	2.216	3.045	11.7	21.0
1 12	9 15.78	+11 13.5	2.136	3.043	8.5	20.7
1 22	9 8.52	+11 54.2	2.081	3.041	4.9	20.5
2 1	9 0.16	+12 42.7	2.056	3.039	1.6	20.3
2 11	8 51.61	+13 34.7	2.061	3.036	3.4	20.4
2 21	8 43.76	+14 25.6	2.095	3.033	7.1	20.6
3 2	8 37.41	+15 11.5	2.157	3.030	10.5	20.8
3 12	8 33.14	+15 49.7	2.241	3.026	13.4	21.0

285200 1996 XE_{7} 2 2.0 135°.81 4°.7/ 5.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 19.46	+ 0 42.0	2.369	3.158	12.3	21.0
1 12	9 14.35	+ 0 33.5	2.289	3.159	9.8	20.8
1 22	9 7.69	+ 0 40.9	2.233	3.161	7.1	20.7
2 1	9 0.08	+ 1 3.9	2.204	3.162	5.0	20.5
2 11	8 52.32	+ 1 40.0	2.204	3.163	5.1	20.5
2 21	8 45.20	+ 2 25.4	2.233	3.164	7.2	20.7
3 2	8 39.42	+ 3 15.8	2.289	3.165	9.9	20.8
3 12	8 35.50	+ 4 6.4	2.369	3.166	12.4	21.0

450732 2007 GA_{21} 2 2.0 296°.44 2°.3/ 3.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 23.55	+10 11.7	1.349	2.198	16.5	21.4
1 12	9 18.36	+10 25.1	1.269	2.186	12.3	21.2
1 22	9 10.33	+10 56.3	1.212	2.174	7.3	20.8
2 1	9 0.37	+11 41.9	1.180	2.163	2.7	20.5
2 11	8 49.92	+12 35.6	1.175	2.151	5.1	20.6
2 21	8 40.55	+13 30.0	1.195	2.140	10.4	20.9
3 2	8 33.61	+14 18.7	1.238	2.129	15.4	21.2
3 12	8 29.99	+14 57.3	1.301	2.118	19.6	21.4

24465 2000 SX_{155} 2 2.0 78°.40 20°.3/23.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 49.17	+55 54.9	1.059	1.875	22.5	17.6
1 12	9 39.27	+58 16.9	1.044	1.885	20.9	17.5
1 22	9 22.39	+59 54.7	1.045	1.896	20.3	17.5
2 1	9 1.48	+60 29.1	1.064	1.906	20.7	17.6
2 11	8 41.37	+59 53.9	1.100	1.917	22.0	17.7
2 21	8 26.14	+58 19.0	1.151	1.927	23.7	17.8
3 2	8 17.71	+56 1.3	1.216	1.938	25.5	18.0
3 12	8 15.92	+53 18.1	1.292	1.948	27.2	18.2

280882 2005 WM_{17} 2 2.0 250°.90 7°.1/27.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 25.57	+34 10.9	1.941	2.794	12.0	20.2
1 12	9 19.40	+35 44.1	1.878	2.788	9.4	20.0
1 22	9 10.71	+37 10.7	1.842	2.782	7.4	19.9
2 1	9 0.40	+38 21.3	1.833	2.775	7.3	19.9
2 11	8 49.78	+39 8.7	1.852	2.769	9.2	20.0
2 21	8 40.19	+39 30.0	1.896	2.762	12.0	20.1
3 2	8 32.82	+39 26.2	1.963	2.755	14.7	20.3
3 12	8 28.39	+39 1.4	2.048	2.749	17.1	20.5

2020	α_{2000}	δ_{2000}	Δ	r	β	V
60622 Pritchet			2 2.0 301°35	0°9/ 1.6 18		
	h m	° ′			°	m
1 2	9 24.02	+16 4.4	1.345	2.208	15.8	19.7
1 12	9 18.70	+16 52.7	1.274	2.201	11.3	19.4
1 22	9 10.50	+17 53.9	1.225	2.194	6.1	19.1
2 1	9 0.39	+19 0.6	1.202	2.187	0.9	18.7
2 11	8 49.89	+20 3.8	1.206	2.181	5.5	19.0
2 21	8 40.57	+20 56.3	1.236	2.175	10.9	19.3
3 2	8 33.80	+21 33.4	1.289	2.168	15.7	19.6
3 12	8 30.40	+21 53.9	1.360	2.163	19.7	19.8
217365 2004 TY_{33}			2 2.0 82°29	1°8/ 1.0 18		
1 2	9 27.62	+18 48.0	1.462	2.319	15.0	20.4
1 12	9 20.71	+19 40.5	1.417	2.342	10.5	20.2
1 22	9 11.27	+20 39.0	1.397	2.365	5.6	19.9
2 1	9 0.44	+21 35.7	1.404	2.388	1.8	19.8
2 11	8 49.71	+22 23.2	1.439	2.410	5.5	20.0
2 21	8 40.47	+22 56.9	1.501	2.432	10.0	20.4
3 2	8 33.75	+23 15.2	1.587	2.453	14.0	20.7
3 12	8 30.13	+23 19.0	1.694	2.475	17.3	20.9
320935 2008 GD_{130}			2 2.0 319°49	3°2/31.8 18		
1 2	9 28.92	+25 8.2	1.533	2.393	14.3	19.7
1 12	9 21.96	+25 10.7	1.458	2.382	10.3	19.5
1 22	9 12.15	+25 10.7	1.406	2.371	6.0	19.2
2 1	9 0.56	+25 2.2	1.381	2.361	3.2	19.0
2 11	8 48.73	+24 40.7	1.384	2.351	6.3	19.1
2 21	8 38.22	+24 5.0	1.413	2.341	10.8	19.4
3 2	8 30.31	+23 16.7	1.467	2.332	15.0	19.6
3 12	8 25.73	+22 18.8	1.540	2.323	18.6	19.8
109271 2001 QQ_{112}			2 2.0 275°68	0°5/ 1.8 18		
1 2	9 27.39	+18 30.5	1.767	2.615	13.3	19.6
1 12	9 20.56	+18 24.6	1.684	2.603	9.5	19.3
1 22	9 11.29	+18 22.5	1.625	2.592	5.2	19.1
2 1	9 0.48	+18 20.6	1.595	2.580	0.6	18.7
2 11	8 49.38	+18 15.2	1.595	2.569	4.5	19.0
2 21	8 39.29	+18 3.9	1.622	2.557	9.1	19.2
3 2	8 31.33	+17 46.0	1.675	2.545	13.2	19.4
3 12	8 26.20	+17 21.4	1.749	2.534	16.7	19.6
48598 1994 XD_5			2 2.0 83°37	1°9/31.8 18		
1 2	9 24.13	+19 4.7	1.679	2.535	13.4	18.6
1 12	9 18.16	+20 0.9	1.622	2.547	9.4	18.4
1 22	9 9.92	+21 3.2	1.591	2.559	5.1	18.2
2 1	9 0.34	+22 4.5	1.587	2.570	1.9	18.0
2 11	8 50.67	+22 57.8	1.612	2.582	5.2	18.2
2 21	8 42.14	+23 38.4	1.665	2.594	9.4	18.5
3 2	8 35.76	+24 4.0	1.742	2.605	13.2	18.8
3 12	8 32.13	+24 14.8	1.840	2.616	16.3	19.0
190334 1998 SM_{59}			2 2.0 94°35	1°8/ 3.2 17		
1 2	9 26.61	+ 9 44.3	1.481	2.319	15.9	20.7
1 12	9 19.94	+10 21.2	1.430	2.341	11.6	20.5
1 22	9 10.87	+11 14.3	1.403	2.363	6.7	20.3
2 1	9 0.43	+12 18.2	1.402	2.385	2.2	20.1
2 11	8 50.01	+13 25.5	1.430	2.406	4.5	20.3
2 21	8 40.93	+14 28.9	1.485	2.426	9.2	20.6
3 2	8 34.22	+15 23.3	1.565	2.446	13.3	20.9
3 12	8 30.47	+16 5.8	1.667	2.465	16.8	21.2
343670 2010 OU_{57}			2 2.1 223°51	4°4/ 5.5 17		
1 2	9 20.22	+ 1 16.2	2.632	3.417	11.3	21.4
1 12	9 14.81	+ 0 59.0	2.542	3.411	9.0	21.2
1 22	9 7.94	+ 0 55.5	2.478	3.405	6.5	21.0
2 1	9 0.16	+ 1 5.4	2.442	3.398	4.7	20.9
2 11	8 52.19	+ 1 27.2	2.435	3.392	4.8	20.9
2 21	8 44.76	+ 1 58.0	2.457	3.385	6.8	21.0
3 2	8 38.54	+ 2 34.2	2.508	3.378	9.3	21.2
3 12	8 34.05	+ 3 12.0	2.582	3.371	11.7	21.3
328165 2008 CH_{194}			2 2.1 26°71	3°2/ 3.9 18		
1 2	9 20.20	+ 7 18.5	1.270	2.119	17.4	20.4
1 12	9 15.76	+ 7 43.1	1.216	2.130	12.9	20.1
1 22	9 8.76	+ 8 29.7	1.183	2.141	8.0	19.9
2 1	9 0.24	+ 9 33.6	1.174	2.154	3.6	19.7
2 11	8 51.62	+10 47.1	1.191	2.168	5.1	19.8
2 21	8 44.30	+12 1.3	1.234	2.182	9.8	20.1
3 2	8 39.39	+13 8.6	1.300	2.197	14.3	20.4
3 12	8 37.51	+14 3.7	1.386	2.213	18.1	20.7
7326 Tedbunch			2 2.1 128°97	5°6/ 6.1 18		
1 2	9 24.24	− 0 45.5	1.944	2.729	14.8	18.5
1 12	9 17.91	− 0 46.3	1.877	2.744	11.7	18.4
1 22	9 9.68	− 0 26.3	1.834	2.759	8.5	18.2
2 1	9 0.33	+ 0 13.6	1.817	2.773	6.0	18.1
2 11	8 50.88	+ 1 9.7	1.828	2.786	6.0	18.1
2 21	8 42.34	+ 2 16.3	1.869	2.799	8.4	18.3
3 2	8 35.57	+ 3 27.0	1.936	2.811	11.4	18.5
3 12	8 31.13	+ 4 35.8	2.026	2.822	14.3	18.7

2020	α_{2000}	δ_{2000}	Δ	r	β	V
85998 1999 JH_{69}			2 2.1 217°81	4°2/ 5.6 18		
	h m	° ′			°	m
1 2	9 21.24	+ 0 59.4	2.526	3.309	11.8	20.5
1 12	9 15.63	+ 1 7.9	2.430	3.300	9.3	20.3
1 22	9 8.43	+ 1 32.2	2.360	3.290	6.6	20.2
2 1	9 0.22	+ 2 11.6	2.318	3.279	4.5	20.0
2 11	8 51.75	+ 3 3.3	2.306	3.267	4.7	20.0
2 21	8 43.81	+ 4 3.1	2.324	3.255	6.9	20.1
3 2	8 37.14	+ 5 6.5	2.370	3.242	9.7	20.3
3 12	8 32.30	+ 6 8.7	2.440	3.229	12.4	20.4
250161 2002 TZ_{54}			2 2.1 56°86	8°8/ 8.2 18		
1 2	9 23.36	− 6 1.4	1.505	2.283	18.7	19.4
1 12	9 17.54	− 6 26.1	1.460	2.312	15.4	19.3
1 22	9 9.52	− 6 20.5	1.434	2.340	12.0	19.2
2 1	9 0.31	− 5 44.4	1.431	2.369	9.4	19.1
2 11	8 51.17	− 4 42.2	1.454	2.398	8.9	19.1
2 21	8 43.28	− 3 21.5	1.502	2.426	10.6	19.3
3 2	8 37.57	− 1 52.0	1.575	2.455	13.3	19.5
3 12	8 34.57	− 0 22.6	1.670	2.484	16.1	19.8
175348 2005 OO_2			2 2.1 185°18	6°5/ 7.3 18		
1 2	9 20.80	− 6 35.9	2.852	3.586	11.7	19.9
1 12	9 15.12	− 7 18.2	2.766	3.586	9.9	19.7
1 22	9 8.08	− 7 44.5	2.705	3.586	8.1	19.6
2 1	9 0.19	− 7 53.5	2.670	3.585	6.7	19.5
2 11	8 52.13	− 7 45.7	2.663	3.584	6.6	19.5
2 21	8 44.58	− 7 23.2	2.685	3.583	7.7	19.6
3 2	8 38.18	− 6 49.5	2.734	3.582	9.4	19.7
3 12	8 33.39	− 6 9.0	2.807	3.580	11.3	19.8
1896 Beer			2 2.1 108°62	1°0/ 2.7 18		
1 2	9 26.60	+12 10.6	1.729	2.566	14.1	17.8
1 12	9 19.72	+12 41.0	1.675	2.587	10.1	17.6
1 22	9 10.68	+13 23.0	1.644	2.607	5.7	17.4
2 1	9 0.43	+14 11.8	1.643	2.627	1.3	17.2
2 11	8 50.19	+15 1.4	1.670	2.646	4.0	17.4
2 21	8 41.12	+15 46.8	1.726	2.664	8.4	17.7
3 2	8 34.15	+16 24.2	1.809	2.682	12.2	18.0
3 12	8 29.84	+16 51.8	1.913	2.699	15.4	18.2
169214 2001 RG_{115}			2 2.1 164°99	0°3/ 2.3 17		
1 2	9 20.38	+14 11.7	2.387	3.225	10.7	20.9
1 12	9 15.04	+14 42.5	2.312	3.226	7.6	20.7
1 22	9 8.10	+15 20.9	2.263	3.227	4.2	20.5
2 1	9 0.19	+16 3.4	2.244	3.229	0.6	20.2
2 11	8 52.14	+16 46.1	2.255	3.230	3.2	20.4
2 21	8 44.77	+17 25.1	2.295	3.231	6.8	20.7
3 2	8 38.80	+17 57.6	2.363	3.231	9.9	20.9
3 12	8 34.76	+18 22.0	2.454	3.232	12.6	21.0
82951 2001 QS_{125}			2 2.1 167°20	0°5/ 2.5 18		
1 2	9 19.82	+12 43.2	2.486	3.319	10.4	20.0
1 12	9 14.60	+13 25.6	2.409	3.321	7.5	19.9
1 22	9 7.85	+14 16.9	2.360	3.323	4.2	19.6
2 1	9 0.17	+15 13.5	2.340	3.324	0.7	19.4
2 11	8 52.34	+16 11.0	2.351	3.326	3.1	19.6
2 21	8 45.13	+17 5.1	2.392	3.327	6.5	19.8
3 2	8 39.25	+17 52.5	2.461	3.328	9.6	20.0
3 12	8 35.20	+18 31.1	2.553	3.329	12.2	20.2
17840 1998 HG_{96}			2 2.1 181°19	5°8/ 7.9 18		
1 2	9 18.13	− 6 39.0	2.935	3.672	11.4	18.4
1 12	9 13.22	− 6 43.5	2.848	3.673	9.5	18.2
1 22	9 7.04	− 6 30.8	2.785	3.673	7.6	18.1
2 1	9 0.10	− 6 0.7	2.748	3.673	6.1	18.0
2 11	8 53.02	− 5 14.9	2.740	3.673	5.8	18.0
2 21	8 46.42	− 4 16.8	2.761	3.672	6.9	18.0
3 2	8 40.89	− 3 10.5	2.810	3.671	8.8	18.2
3 12	8 36.87	− 2 1.0	2.884	3.670	10.7	18.3
468332 2016 CJ_{243}			2 2.1 254°33	5°4/28.4 17		
1 2	9 25.16	+30 7.3	2.128	2.980	11.2	21.2
1 12	9 19.00	+31 34.8	2.047	2.962	8.4	21.0
1 22	9 10.52	+33 0.7	1.994	2.944	6.0	20.8
2 1	9 0.46	+34 16.5	1.969	2.925	5.6	20.8
2 11	8 49.94	+35 15.1	1.973	2.906	7.7	20.8
2 21	8 40.17	+35 52.3	2.005	2.887	10.7	21.0
3 2	8 32.29	+36 7.3	2.061	2.867	13.6	21.1
3 12	8 27.05	+36 2.6	2.137	2.846	16.2	21.3
261081 2005 SH_{225}			2 2.1 58°90	5°2/29.4 18		
1 2	9 24.51	+26 46.2	1.608	2.474	13.5	20.0
1 12	9 18.59	+28 19.1	1.567	2.492	9.7	19.8
1 22	9 10.21	+29 49.9	1.550	2.510	6.3	19.6
2 1	9 0.41	+31 8.7	1.561	2.528	5.3	19.6
2 11	8 50.58	+32 7.7	1.599	2.547	7.8	19.8
2 21	8 42.08	+32 43.3	1.664	2.566	11.2	20.0
3 2	8 35.94	+32 55.9	1.751	2.585	14.5	20.3
3 12	8 32.76	+32 48.5	1.858	2.604	17.2	20.5

461282 2015 XX_{68} 2 2.1 273°.37 2°.4/31.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 2	9 24.10	+18 52.7	1.460	2.322	14.7	20.6
1 12	9 18.68	+20 6.8	1.388	2.316	10.4	20.3
1 22	9 10.49	+21 31.1	1.340	2.309	5.7	20.0
2 1	9 0.46	+22 56.7	1.319	2.302	2.4	19.8
2 11	8 50.01	+24 13.7	1.326	2.295	6.2	20.0
2 21	8 40.66	+25 14.5	1.359	2.287	11.1	20.3
3 2	8 33.73	+25 55.5	1.415	2.280	15.5	20.5
3 12	8 30.03	+26 16.5	1.491	2.273	19.1	20.7

492438 2014 MW_{27} 2 2.1 231°.37 2°.9/ 3.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 25.64	+ 8 9.3	1.755	2.581	14.4	22.5
1 12	9 19.35	+ 8 14.0	1.668	2.570	10.9	22.2
1 22	9 10.70	+ 8 33.9	1.604	2.558	6.8	22.0
2 1	9 0.48	+ 9 6.9	1.567	2.546	3.2	21.7
2 11	8 49.84	+ 9 48.8	1.560	2.533	4.6	21.8
2 21	8 40.04	+10 34.2	1.581	2.520	8.9	22.0
3 2	8 32.19	+11 18.3	1.627	2.506	13.0	22.2
3 12	8 27.07	+11 56.7	1.695	2.491	16.6	22.4

428141 2006 SB_{156} 2 2.1 160°.22 3°.4/ 5.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 19.10	+ 2 33.0	2.871	3.660	10.4	21.8
1 12	9 13.89	+ 2 45.6	2.790	3.665	8.1	21.6
1 22	9 7.40	+ 3 11.0	2.736	3.670	5.6	21.5
2 1	9 0.14	+ 3 48.1	2.710	3.675	3.6	21.3
2 11	8 52.78	+ 4 34.1	2.715	3.679	3.8	21.4
2 21	8 45.94	+ 5 25.5	2.750	3.683	5.9	21.5
3 2	8 40.21	+ 6 18.6	2.814	3.686	8.4	21.7
3 12	8 36.05	+ 7 9.9	2.902	3.690	10.6	21.8

497920 2006 VF_{81} 2 2.1 70°.49 5°.8/29.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 25.40	+28 41.6	1.645	2.508	13.3	21.2
1 12	9 19.30	+30 8.2	1.595	2.517	9.8	21.0
1 22	9 10.65	+31 31.5	1.570	2.527	6.7	20.8
2 1	9 0.47	+32 41.7	1.572	2.536	5.9	20.8
2 11	8 50.17	+33 31.1	1.602	2.545	8.2	20.9
2 21	8 41.15	+33 56.5	1.658	2.555	11.6	21.1
3 2	8 34.54	+33 58.6	1.737	2.565	14.8	21.4
3 12	8 30.97	+33 40.9	1.834	2.574	17.5	21.6

337196 1999 WV_{5} 2 2.1 97°.99 5°.3/30.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 29.62	+26 17.3	1.361	2.226	15.4	20.5
1 12	9 22.55	+27 35.0	1.315	2.241	11.1	20.2
1 22	9 12.48	+28 51.1	1.293	2.255	7.0	20.0
2 1	9 0.64	+29 54.5	1.297	2.268	5.4	20.0
2 11	8 48.81	+30 36.6	1.328	2.282	8.3	20.2
2 21	8 38.64	+30 54.1	1.384	2.295	12.4	20.4
3 2	8 31.40	+30 48.3	1.463	2.308	16.2	20.7
3 12	8 27.72	+30 23.6	1.559	2.321	19.3	21.0

332566 2008 RY_{129} 2 2.1 167°.87 0°.7/ 1.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 23.26	+18 1.5	2.438	3.278	10.4	21.7
1 12	9 17.04	+18 30.5	2.365	3.282	7.3	21.5
1 22	9 9.18	+19 3.9	2.320	3.286	3.9	21.3
2 1	9 0.33	+19 37.8	2.304	3.289	0.8	21.0
2 11	8 51.36	+20 8.3	2.320	3.291	3.6	21.3
2 21	8 43.13	+20 32.4	2.365	3.293	7.0	21.5
3 2	8 36.39	+20 48.4	2.437	3.295	10.1	21.7
3 12	8 31.65	+20 55.7	2.533	3.296	12.6	21.9

309326 2007 SV_{6} 2 2.1 154°.01 2°.8/31.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 27.66	+22 43.9	1.944	2.793	12.2	21.7
1 12	9 20.51	+23 35.4	1.881	2.802	8.7	21.5
1 22	9 11.17	+24 28.6	1.845	2.810	4.9	21.3
2 1	9 0.52	+25 16.9	1.838	2.817	2.8	21.2
2 11	8 49.77	+25 54.5	1.861	2.824	5.4	21.3
2 21	8 40.08	+26 18.0	1.913	2.830	9.1	21.6
3 2	8 32.43	+26 26.7	1.990	2.835	12.5	21.8
3 12	8 27.44	+26 21.7	2.089	2.840	15.4	22.0

234942 2002 VC_{38} 2 2.1 124°.22 3°.2/30.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 22.21	+25 0.7	2.353	3.205	10.2	20.3
1 12	9 16.42	+26 2.0	2.292	3.213	7.3	20.2
1 22	9 8.88	+27 3.4	2.259	3.221	4.4	20.0
2 1	9 0.30	+27 59.0	2.255	3.228	3.2	19.9
2 11	8 51.61	+28 43.8	2.281	3.235	5.3	20.1
2 21	8 43.72	+29 14.9	2.335	3.242	8.2	20.3
3 2	8 37.42	+29 31.2	2.416	3.249	11.0	20.5
3 12	8 33.25	+29 33.8	2.518	3.256	13.4	20.6

241057 2006 SO_{116} 2 2.1 207°.46 0°.1/ 2.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 20.20	+14 58.1	2.763	3.597	9.5	21.9
1 12	9 14.78	+15 22.8	2.680	3.592	6.8	21.7
1 22	9 7.93	+15 53.4	2.624	3.588	3.7	21.5
2 1	9 0.22	+16 27.2	2.598	3.583	0.4	21.2
2 11	8 52.35	+17 0.7	2.604	3.578	2.9	21.4
2 21	8 45.05	+17 31.2	2.639	3.573	6.1	21.6
3 2	8 38.95	+17 56.1	2.703	3.567	9.0	21.8
3 12	8 34.55	+18 14.3	2.791	3.561	11.4	22.0

279924 2001 RL_{120} 2 2.1 129°.62 0°.5/ 1.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 2	9 21.20	+16 59.3	2.635	3.473	9.7	21.3
1 12	9 15.46	+17 32.3	2.569	3.485	6.9	21.2
1 22	9 8.27	+18 10.0	2.530	3.496	3.7	21.0
2 1	9 0.25	+18 48.8	2.522	3.507	0.5	20.7
2 11	8 52.17	+19 25.2	2.545	3.517	3.2	21.0
2 21	8 44.76	+19 56.0	2.598	3.528	6.4	21.2
3 2	8 38.69	+20 19.4	2.678	3.537	9.2	21.4
3 12	8 34.41	+20 34.5	2.782	3.547	11.6	21.6

14647 1998 XG_{48} 2 2.1 95°.66 4°.8/29.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 24.00	+29 33.2	2.185	3.038	10.9	17.5
1 12	9 17.81	+30 42.3	2.134	3.051	8.0	17.3
1 22	9 9.66	+31 47.2	2.110	3.064	5.5	17.2
2 1	9 0.39	+32 41.4	2.115	3.076	4.9	17.2
2 11	8 51.06	+33 19.6	2.149	3.089	6.7	17.3
2 21	8 42.70	+33 39.6	2.211	3.101	9.4	17.5
3 2	8 36.18	+33 41.5	2.297	3.113	12.1	17.7
3 12	8 32.06	+33 27.8	2.404	3.125	14.3	17.9

241706 2000 SK_{340} 2 2.1 197°.30 3°.7/29.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 24.77	+30 41.3	2.926	3.767	8.8	21.2
1 12	9 17.99	+31 13.2	2.853	3.764	6.5	21.1
1 22	9 9.65	+31 40.7	2.809	3.760	4.5	20.9
2 1	9 0.40	+31 59.5	2.795	3.756	3.8	20.9
2 11	8 51.05	+32 6.6	2.812	3.752	5.3	21.0
2 21	8 42.43	+32 0.5	2.857	3.747	7.6	21.1
3 2	8 35.23	+31 41.9	2.930	3.742	9.8	21.2
3 12	8 29.95	+31 12.2	3.025	3.737	11.8	21.4

195247 2002 EE_{41} 2 2.1 51°.29 0°.5/ 2.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 25.66	+14 35.0	1.347	2.204	16.1	19.8
1 12	9 19.61	+14 48.6	1.291	2.213	11.5	19.6
1 22	9 10.87	+15 13.5	1.256	2.223	6.3	19.3
2 1	9 0.52	+15 44.6	1.248	2.233	0.9	19.0
2 11	8 50.11	+16 15.8	1.266	2.243	4.8	19.3
2 21	8 41.09	+16 41.8	1.311	2.253	10.0	19.6
3 2	8 34.64	+16 59.4	1.378	2.263	14.5	19.9
3 12	8 31.39	+17 6.9	1.466	2.274	18.2	20.2

293323 2007 DE_{58} 2 2.1 252°.52 1°.6/ 3.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 21.95	+10 49.4	1.930	2.765	12.9	21.5
1 12	9 16.51	+11 9.3	1.851	2.761	9.5	21.3
1 22	9 9.07	+11 41.4	1.796	2.757	5.5	21.0
2 1	9 0.37	+12 22.6	1.770	2.752	1.8	20.8
2 11	8 51.43	+13 8.2	1.772	2.748	3.8	20.9
2 21	8 43.29	+13 53.3	1.803	2.744	7.9	21.1
3 2	8 36.88	+14 33.7	1.861	2.739	11.7	21.3
3 12	8 32.83	+15 6.4	1.940	2.735	14.9	21.6

274813 2009 BM_{42} 2 2.1 290°.15 0°.2/ 1.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 20.28	+15 50.3	2.245	3.089	11.0	21.1
1 12	9 15.16	+16 21.1	2.161	3.079	7.8	20.9
1 22	9 8.28	+16 59.3	2.103	3.069	4.2	20.6
2 1	9 0.29	+17 40.9	2.074	3.059	0.4	20.3
2 11	8 52.07	+18 21.6	2.075	3.049	3.6	20.5
2 21	8 44.51	+18 57.3	2.105	3.039	7.3	20.8
3 2	8 38.44	+19 25.4	2.161	3.030	10.7	21.0
3 12	8 34.43	+19 44.3	2.241	3.020	13.6	21.1

241108 2007 LO_{17} 2 2.1 302°.72 2°.9/31.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 25.28	+20 45.6	1.324	2.192	15.6	20.9
1 12	9 19.77	+21 38.7	1.253	2.183	11.1	20.6
1 22	9 11.20	+22 39.0	1.205	2.173	6.2	20.3
2 1	9 0.60	+23 37.9	1.182	2.164	2.9	20.0
2 11	8 49.57	+24 26.1	1.186	2.155	6.7	20.2
2 21	8 39.81	+24 57.5	1.215	2.146	11.8	20.5
3 2	8 32.75	+25 9.8	1.266	2.138	16.5	20.7
3 12	8 29.24	+25 4.0	1.336	2.130	20.4	21.0

223723 2004 RA_{111} 2 2.1 133°.06 1°.1/ 1.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 23.78	+18 45.3	2.124	2.971	11.4	20.9
1 12	9 17.59	+19 19.3	2.059	2.979	8.1	20.7
1 22	9 9.55	+19 57.9	2.020	2.986	4.3	20.5
2 1	9 0.42	+20 36.3	2.010	2.994	1.1	20.3
2 11	8 51.19	+21 9.8	2.030	3.001	4.1	20.5
2 21	8 42.85	+21 35.2	2.079	3.008	7.8	20.7
3 2	8 36.22	+21 50.7	2.155	3.014	11.1	21.0
3 12	8 31.86	+21 55.8	2.252	3.020	13.9	21.2

126269 2002 AO_{89} 2 2.1 90°.99 0°.7/ 2.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 22.16	+12 32.0	1.859	2.700	13.0	20.3
1 12	9 16.63	+13 11.0	1.793	2.708	9.4	20.1
1 22	9 9.10	+14 1.6	1.752	2.716	5.2	19.8
2 1	9 0.38	+14 59.0	1.740	2.724	1.0	19.5
2 11	8 51.52	+15 57.4	1.757	2.732	3.8	19.8
2 21	8 43.59	+16 51.2	1.802	2.740	8.0	20.0
3 2	8 37.48	+17 36.6	1.873	2.748	11.8	20.3
3 12	8 33.78	+18 11.2	1.966	2.756	14.9	20.5

495616 2015 RA_{19} 2 2.1 83°.43 1°.0/ 1.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 2	9 29.29	+17 28.4	1.386	2.241	15.8	21.4
1 12	9 21.99	+18 2.6	1.341	2.265	11.1	21.2
1 22	9 12.05	+18 44.2	1.320	2.288	5.9	21.0
2 1	9 0.67	+19 26.2	1.326	2.311	1.0	20.7
2 11	8 49.43	+20 1.9	1.360	2.333	5.2	21.0
2 21	8 39.79	+20 26.7	1.420	2.356	10.1	21.4
3 2	8 32.83	+20 39.0	1.505	2.378	14.3	21.7
3 12	8 29.09	+20 39.1	1.609	2.399	17.7	22.0

492026 2013 GK_{49} 2 2.1 241°.94 1°.0/ 2.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 24.37	+12 16.7	1.870	2.706	13.2	22.2
1 12	9 18.40	+12 41.8	1.781	2.694	9.6	21.9
1 22	9 10.20	+13 18.8	1.718	2.680	5.5	21.7
2 1	9 0.52	+14 4.0	1.683	2.667	1.3	21.3
2 11	8 50.45	+14 52.2	1.677	2.652	4.0	21.5
2 21	8 41.16	+15 38.2	1.700	2.638	8.5	21.7
3 2	8 33.70	+16 17.7	1.748	2.623	12.5	22.0
3 12	8 28.81	+16 48.1	1.819	2.607	16.0	22.1

144932 2005 EQ_{7} 2 2.1 268°.72 0°.8/ 2.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 23.52	+12 46.2	1.702	2.546	13.9	20.7
1 12	9 17.98	+13 14.4	1.616	2.532	10.1	20.4
1 22	9 10.04	+13 55.5	1.554	2.518	5.7	20.1
2 1	9 0.51	+14 45.2	1.519	2.504	1.2	19.8
2 11	8 50.55	+15 37.7	1.513	2.489	4.3	20.0
2 21	8 41.43	+16 27.0	1.535	2.474	9.1	20.2
3 2	8 34.29	+17 8.6	1.581	2.459	13.4	20.4
3 12	8 29.91	+17 39.5	1.649	2.445	17.1	20.6

70983 1999 XB_{27} 2 2.1 182°.37 3°.2/30.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 23.28	+24 13.6	2.100	2.955	11.2	19.6
1 12	9 17.40	+25 9.8	2.032	2.955	8.0	19.4
1 22	9 9.53	+26 7.1	1.991	2.955	4.7	19.2
2 1	9 0.44	+26 59.1	1.979	2.955	3.2	19.1
2 11	8 51.17	+27 40.4	1.996	2.954	5.5	19.2
2 21	8 42.78	+28 7.4	2.041	2.954	8.9	19.4
3 2	8 36.16	+28 19.2	2.112	2.954	12.0	19.6
3 12	8 31.92	+28 16.7	2.204	2.953	14.7	19.8

486645 2013 PK_{16} 2 2.1 130°.62 7°.7/ 7.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 25.21	− 6 57.9	1.228	2.015	21.6	20.7
1 12	9 19.62	− 5 47.3	1.159	2.024	17.6	20.5
1 22	9 11.07	− 3 50.8	1.108	2.032	13.0	20.2
2 1	9 0.61	− 1 11.1	1.082	2.040	8.9	20.0
2 11	8 49.80	+ 1 59.9	1.082	2.047	8.0	20.0
2 21	8 40.27	+ 5 23.6	1.110	2.054	11.2	20.2
3 2	8 33.40	+ 8 40.9	1.165	2.060	15.8	20.5
3 12	8 30.02	+11 37.1	1.241	2.066	19.9	20.7

409919 2006 TE_{89} 2 2.1 111°.62 0°.7/ 2.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 25.07	+13 27.6	1.855	2.694	13.2	21.9
1 12	9 18.63	+13 47.4	1.793	2.707	9.5	21.7
1 22	9 10.16	+14 16.6	1.756	2.720	5.3	21.4
2 1	9 0.51	+14 51.4	1.748	2.733	1.0	21.2
2 11	8 50.80	+15 26.8	1.769	2.745	3.9	21.4
2 21	8 42.12	+15 58.7	1.819	2.757	8.0	21.7
3 2	8 35.37	+16 24.1	1.895	2.769	11.7	21.9
3 12	8 31.12	+16 41.1	1.993	2.780	14.8	22.1

34605 2000 US 2 2.1 228°.99 4°.9/29.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 25.42	+29 35.4	2.096	2.948	11.3	19.3
1 12	9 19.07	+30 39.7	2.025	2.942	8.4	19.1
1 22	9 10.51	+31 41.0	1.981	2.935	5.8	18.9
2 1	9 0.56	+32 31.9	1.965	2.928	5.1	18.8
2 11	8 50.36	+33 6.5	1.979	2.920	7.1	18.9
2 21	8 41.08	+33 22.0	2.020	2.912	10.1	19.1
3 2	8 33.73	+33 18.5	2.085	2.904	13.0	19.3
3 12	8 28.98	+32 58.4	2.170	2.896	15.6	19.4

234870 2002 SD_{27} 2 2.1 94°.06 1°.3/ 3.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 20.65	+10 27.3	2.251	3.079	11.5	20.5
1 12	9 15.26	+10 59.7	2.186	3.093	8.4	20.3
1 22	9 8.27	+11 42.9	2.147	3.106	4.9	20.1
2 1	9 0.34	+12 33.4	2.136	3.119	1.6	19.9
2 11	8 52.34	+13 26.7	2.157	3.132	3.3	20.1
2 21	8 45.09	+14 18.4	2.206	3.145	6.8	20.3
3 2	8 39.32	+15 4.8	2.283	3.158	10.0	20.5
3 12	8 35.54	+15 43.4	2.383	3.170	12.7	20.7

109462 2001 QS_{212} 2 2.1 52°.63 1°.3/ 2.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 24.17	+11 57.6	1.463	2.312	15.5	19.8
1 12	9 18.24	+12 22.5	1.418	2.336	11.2	19.6
1 22	9 10.01	+13 0.7	1.396	2.360	6.3	19.4
2 1	9 0.51	+13 47.1	1.401	2.385	1.6	19.1
2 11	8 51.10	+14 35.2	1.433	2.410	4.4	19.4
2 21	8 43.03	+15 19.3	1.492	2.435	9.0	19.7
3 2	8 37.26	+15 55.1	1.576	2.460	13.1	20.0
3 12	8 34.32	+16 20.5	1.680	2.485	16.4	20.3

285905 2001 QC_{122} 2 2.1 160°.83 1°.6/31.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 2	9 25.43	+20 22.7	2.260	3.104	10.9	21.8
1 12	9 18.72	+21 0.8	2.192	3.111	7.7	21.6
1 22	9 10.17	+21 41.9	2.151	3.117	4.2	21.4
2 1	9 0.54	+22 21.1	2.140	3.122	1.6	21.2
2 11	8 50.79	+22 54.0	2.159	3.127	4.2	21.4
2 21	8 41.89	+23 17.4	2.209	3.132	7.7	21.7
3 2	8 34.67	+23 30.0	2.285	3.135	10.9	21.9
3 12	8 29.69	+23 31.8	2.383	3.138	13.6	22.1

2376 Martynov 2 2.1 118°.14 1°.5/31.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 21.31	+20 21.8	2.540	3.386	9.8	16.1
1 12	9 15.64	+20 59.3	2.475	3.395	6.9	15.9
1 22	9 8.44	+21 39.4	2.438	3.404	3.7	15.7
2 1	9 0.36	+22 18.1	2.431	3.413	1.5	15.6
2 11	8 52.21	+22 51.4	2.454	3.422	3.8	15.8
2 21	8 44.77	+23 16.6	2.507	3.430	6.9	16.0
3 2	8 38.74	+23 32.3	2.586	3.439	9.7	16.2
3 12	8 34.60	+23 38.1	2.689	3.447	12.1	16.4

122220 2000 NT_{16} 2 2.1 117°.51 2°.3/31.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 28.15	+20 49.2	1.774	2.624	13.1	20.6
1 12	9 20.92	+21 43.8	1.722	2.643	9.2	20.4
1 22	9 11.43	+22 41.6	1.696	2.662	5.1	20.2
2 1	9 0.67	+23 35.7	1.698	2.680	2.3	20.1
2 11	8 49.90	+24 19.7	1.730	2.697	5.3	20.3
2 21	8 40.35	+24 49.9	1.791	2.713	9.3	20.5
3 2	8 33.01	+25 5.1	1.876	2.729	12.8	20.8
3 12	8 28.44	+25 6.5	1.983	2.744	15.7	21.0

458339 2010 VR_{152} 2 2.1 43°.82 8°.3/27.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 25.49	+32 14.6	1.370	2.240	15.0	19.8
1 12	9 19.76	+34 22.5	1.342	2.262	11.4	19.6
1 22	9 11.06	+36 20.4	1.338	2.285	8.8	19.5
2 1	9 0.65	+37 55.2	1.359	2.308	8.6	19.6
2 11	8 50.28	+38 57.8	1.407	2.331	10.9	19.8
2 21	8 41.58	+39 26.4	1.477	2.355	14.0	20.0
3 2	8 35.77	+39 24.1	1.568	2.380	16.9	20.3
3 12	8 33.43	+38 57.3	1.676	2.405	19.4	20.5

290537 2005 UB_{69} 2 2.1 250°.71 7°.0/ 6.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 22.22	− 3 13.1	2.026	2.799	14.7	20.4
1 12	9 16.71	− 3 44.1	1.936	2.789	12.1	20.2
1 22	9 9.25	− 3 54.9	1.868	2.778	9.4	20.0
2 1	9 0.49	− 3 43.8	1.826	2.767	7.4	19.9
2 11	8 51.39	− 3 12.2	1.811	2.756	7.3	19.8
2 21	8 42.96	− 2 24.0	1.824	2.745	9.2	19.9
3 2	8 36.11	− 1 24.8	1.862	2.734	12.0	20.1
3 12	8 31.52	− 0 21.1	1.923	2.722	14.8	20.2

298716 2004 FS_{49} 2 2.1 289°.84 0°.8/ 1.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 21.91	+18 22.8	2.261	3.107	10.8	21.4
1 12	9 16.43	+18 46.2	2.165	3.085	7.7	21.2
1 22	9 9.07	+19 14.7	2.096	3.063	4.2	20.9
2 1	9 0.47	+19 44.4	2.056	3.040	0.9	20.6
2 11	8 51.54	+20 11.2	2.045	3.018	3.9	20.8
2 21	8 43.23	+20 31.6	2.064	2.995	7.7	21.0
3 2	8 36.42	+20 43.6	2.109	2.973	11.2	21.2
3 12	8 31.77	+20 46.3	2.177	2.950	14.1	21.3

235086 2003 HW_{11} 2 2.1 199°.70 0°.9/ 2.9 17 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 25.07	+11 31.5	2.620	3.438	10.4	22.8
1 12	9 18.35	+12 7.6	2.529	3.432	7.6	22.6
1 22	9 9.98	+12 52.9	2.466	3.425	4.3	22.4
2 1	9 0.56	+13 44.4	2.434	3.418	1.1	22.2
2 11	8 50.88	+14 37.7	2.434	3.409	3.1	22.3
2 21	8 41.78	+15 29.0	2.466	3.399	6.5	22.5
3 2	8 34.01	+16 14.9	2.527	3.387	9.6	22.7
3 12	8 28.14	+16 53.2	2.612	3.375	12.3	22.9

54837 2001 NK_{20} 2 2.1 58°.98 8°.3/10.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 19.29	−11 40.8	2.110	2.834	15.6	18.4
1 12	9 14.36	−11 36.0	2.048	2.856	13.3	18.3
1 22	9 7.81	−11 4.0	2.007	2.877	11.0	18.2
2 1	9 0.33	−10 4.5	1.989	2.899	9.0	18.1
2 11	8 52.82	− 8 41.0	1.998	2.921	8.3	18.1
2 21	8 46.11	− 6 59.8	2.035	2.943	9.2	18.2
3 2	8 40.94	− 5 8.8	2.098	2.965	11.0	18.4
3 12	8 37.79	− 3 16.2	2.185	2.987	13.2	18.5

329834 2004 RY_{346} 2 2.1 114°.52 5°.6/ 6.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 22.23	− 1 0.2	2.168	2.948	13.6	21.0
1 12	9 16.43	− 1 17.1	2.098	2.960	10.9	20.8
1 22	9 8.94	− 1 15.7	2.051	2.972	8.1	20.7
2 1	9 0.45	− 0 56.3	2.032	2.983	6.0	20.6
2 11	8 51.86	− 0 21.1	2.041	2.994	5.9	20.6
2 21	8 44.04	+ 0 25.5	2.079	3.005	7.9	20.7
3 2	8 37.76	+ 1 18.5	2.143	3.016	10.6	20.9
3 12	8 33.55	+ 2 12.6	2.230	3.026	13.1	21.1

224675 2006 AV_{56} 2 2.1 135°.96 1°.0/ 1.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 2	9 23.38	+18 2.0	2.086	2.932	11.6	20.6
1 12	9 17.39	+18 39.1	2.019	2.939	8.2	20.4
1 22	9 9.51	+19 21.7	1.978	2.945	4.4	20.2
2 1	9 0.51	+20 4.9	1.966	2.950	1.0	20.0
2 11	8 51.39	+20 43.8	1.984	2.956	4.1	20.2
2 21	8 43.14	+21 14.8	2.031	2.961	7.8	20.5
3 2	8 36.61	+21 35.5	2.105	2.966	11.2	20.7
3 12	8 32.36	+21 45.7	2.200	2.971	14.1	20.9

55266 2001 RX_{130} 2 2.1 313°.76 0°.4/ 2.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 21.53	+13 30.8	1.557	2.410	14.5	18.9
1 12	9 16.73	+14 5.9	1.476	2.397	10.5	18.6
1 22	9 9.45	+14 54.7	1.418	2.384	5.8	18.3
2 1	9 0.52	+15 52.3	1.387	2.371	0.8	17.9
2 11	8 51.18	+16 51.7	1.383	2.359	4.5	18.2
2 21	8 42.75	+17 46.2	1.406	2.347	9.5	18.4
3 2	8 36.43	+18 30.8	1.453	2.336	14.0	18.7
3 12	8 33.00	+19 2.5	1.520	2.325	17.8	18.9

465747 2009 VT_{105} 2 2.1 107°.02 6°.3/28.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 27.78	+34 27.8	2.148	2.994	11.4	21.3
1 12	9 20.58	+35 44.1	2.107	3.012	8.7	21.2
1 22	9 11.24	+36 51.5	2.092	3.031	6.7	21.1
2 1	9 0.68	+37 42.8	2.106	3.049	6.5	21.1
2 11	8 50.13	+38 12.8	2.148	3.066	8.1	21.3
2 21	8 40.75	+38 20.5	2.217	3.084	10.5	21.4
3 2	8 33.46	+38 7.6	2.310	3.100	12.8	21.6
3 12	8 28.83	+37 38.0	2.422	3.117	14.9	21.8

420543 2012 GD_{18} 2 2.1 266°.13 3°.3/31.0 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 25.26	+24 12.0	1.873	2.729	12.3	21.2
1 12	9 19.11	+24 55.8	1.795	2.718	8.8	20.9
1 22	9 10.62	+25 40.9	1.743	2.707	5.2	20.7
2 1	9 0.64	+26 20.7	1.718	2.695	3.3	20.6
2 11	8 50.35	+26 49.2	1.722	2.684	5.9	20.7
2 21	8 41.00	+27 3.0	1.754	2.672	9.7	20.9
3 2	8 33.66	+27 1.1	1.811	2.660	13.4	21.1
3 12	8 29.06	+26 45.0	1.888	2.649	16.4	21.3

14239 2000 AL_2 2 2.1 219°.80 2°.5/31.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 22.75	+23 19.5	2.373	3.222	10.3	18.4
1 12	9 16.90	+24 6.9	2.296	3.217	7.3	18.2
1 22	9 9.25	+24 55.8	2.247	3.211	4.2	18.0
2 1	9 0.49	+25 41.1	2.227	3.205	2.6	17.8
2 11	8 51.53	+26 18.0	2.237	3.198	4.8	18.0
2 21	8 43.29	+26 43.3	2.277	3.192	8.0	18.2
3 2	8 36.59	+26 55.9	2.343	3.185	11.0	18.3
3 12	8 32.01	+26 56.0	2.430	3.178	13.5	18.5

204540 2005 EW_{157} 2 2.1 66°.73 0°.4/ 2.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 21.69	+14 20.3	2.048	2.890	12.0	21.3
1 12	9 16.17	+14 44.1	1.982	2.898	8.6	21.1
1 22	9 8.84	+15 16.1	1.941	2.906	4.7	20.9
2 1	9 0.45	+15 52.7	1.929	2.914	0.7	20.6
2 11	8 51.96	+16 29.2	1.947	2.922	3.6	20.8
2 21	8 44.32	+17 1.8	1.993	2.930	7.5	21.1
3 2	8 38.35	+17 27.6	2.065	2.939	10.9	21.3
3 12	8 34.59	+17 45.1	2.160	2.947	13.8	21.5

292612 2006 TB_{128} 2 2.1 201°.32 1°.9/31.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 21.29	+22 44.7	2.811	3.657	9.0	21.2
1 12	9 15.61	+23 20.9	2.735	3.654	6.3	21.0
1 22	9 8.46	+23 58.2	2.686	3.650	3.6	20.8
2 1	9 0.42	+24 32.8	2.667	3.647	2.0	20.7
2 11	8 52.24	+25 1.0	2.680	3.643	3.9	20.8
2 21	8 44.67	+25 20.4	2.722	3.639	6.7	21.0
3 2	8 38.38	+25 29.9	2.791	3.634	9.4	21.2
3 12	8 33.86	+25 29.7	2.884	3.630	11.7	21.3

131971 2002 CQ_{54} 2 2.1 313°.78 2°.3/ 3.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 22.34	+10 34.2	1.320	2.173	16.6	19.8
1 12	9 17.69	+10 41.0	1.236	2.155	12.4	19.5
1 22	9 10.17	+11 5.2	1.174	2.136	7.4	19.1
2 1	9 0.62	+11 43.8	1.136	2.118	2.7	18.8
2 11	8 50.49	+12 31.1	1.124	2.101	5.2	18.9
2 21	8 41.35	+13 20.0	1.137	2.084	10.6	19.1
3 2	8 34.64	+14 4.1	1.173	2.068	15.7	19.4
3 12	8 31.29	+14 38.7	1.228	2.053	20.1	19.6

222316 2000 SY_{371} 2 2.1 128°.66 2°.9/31.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 26.16	+24 47.7	2.222	3.070	10.9	20.9
1 12	9 19.25	+25 27.2	2.164	3.083	7.8	20.7
1 22	9 10.47	+26 5.8	2.133	3.096	4.6	20.5
2 1	9 0.64	+26 38.2	2.132	3.108	2.9	20.4
2 11	8 50.78	+27 0.1	2.160	3.120	5.1	20.6
2 21	8 41.89	+27 9.4	2.218	3.131	8.3	20.8
3 2	8 34.80	+27 5.7	2.302	3.142	11.2	21.0
3 12	8 30.03	+26 50.6	2.408	3.152	13.7	21.2

59316 1999 CL_{89} 2 2.1 346°.57 1°.4/ 1.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 2	9 24.33	+19 20.4	1.490	2.353	14.5	19.3
1 12	9 18.73	+19 39.6	1.421	2.348	10.3	19.1
1 22	9 10.51	+20 4.4	1.376	2.344	5.6	18.8
2 1	9 0.66	+20 29.2	1.356	2.341	1.4	18.5
2 11	8 50.58	+20 48.1	1.364	2.338	5.2	18.8
2 21	8 41.68	+20 57.3	1.399	2.335	10.1	19.0
3 2	8 35.15	+20 55.1	1.457	2.333	14.4	19.3
3 12	8 31.70	+20 41.5	1.534	2.332	18.0	19.5

498568 2008 KS_{38} 2 2.1 273°.57 2°.8/31.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 24.02	+22 4.5	1.866	2.722	12.3	22.2
1 12	9 18.32	+23 1.1	1.781	2.705	8.8	21.9
1 22	9 10.28	+24 2.2	1.721	2.687	5.0	21.6
2 1	9 0.65	+25 1.2	1.690	2.669	2.9	21.5
2 11	8 50.59	+25 51.1	1.687	2.651	5.7	21.6
2 21	8 41.35	+26 26.9	1.713	2.633	9.8	21.8
3 2	8 34.04	+26 46.5	1.763	2.615	13.5	22.0
3 12	8 29.43	+26 50.2	1.833	2.596	16.8	22.2

16164 Yangli 2 2.1 155°.06 0°.4/ 2.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 21.81	+13 50.0	2.122	2.961	11.7	19.2
1 12	9 16.27	+14 19.4	2.049	2.963	8.4	19.0
1 22	9 8.94	+14 57.6	2.001	2.965	4.6	18.8
2 1	9 0.50	+15 41.0	1.982	2.967	0.7	18.5
2 11	8 51.89	+16 24.7	1.993	2.968	3.5	18.7
2 21	8 44.07	+17 4.6	2.033	2.970	7.4	18.9
3 2	8 37.84	+17 37.6	2.099	2.971	10.8	19.2
3 12	8 33.78	+18 1.8	2.188	2.972	13.8	19.4

260122 2004 PU_{63} 2 2.1 301°.36 0°.4/ 2.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 23.88	+15 6.2	1.762	2.609	13.4	20.1
1 12	9 18.11	+15 14.5	1.683	2.602	9.6	19.8
1 22	9 10.08	+15 31.2	1.629	2.594	5.3	19.6
2 1	9 0.62	+15 52.7	1.602	2.587	0.8	19.2
2 11	8 50.89	+16 14.5	1.604	2.579	4.1	19.5
2 21	8 42.09	+16 32.8	1.633	2.572	8.7	19.7
3 2	8 35.25	+16 44.7	1.688	2.565	12.7	19.9
3 12	8 31.07	+16 48.7	1.764	2.558	16.1	20.1

139391 2001 NF_9 2 2.1 183°.28 3°.7/ 4.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 23.98	+ 6 7.6	1.910	2.726	13.8	20.1
1 12	9 17.96	+ 5 58.4	1.832	2.726	10.5	19.9
1 22	9 9.91	+ 6 4.0	1.779	2.726	6.9	19.6
2 1	9 0.60	+ 6 23.2	1.753	2.726	4.0	19.5
2 11	8 51.08	+ 6 52.8	1.756	2.726	4.7	19.5
2 21	8 42.40	+ 7 28.5	1.787	2.725	8.1	19.7
3 2	8 35.50	+ 8 5.8	1.844	2.724	11.7	19.9
3 12	8 31.00	+ 8 40.6	1.924	2.723	14.8	20.1

423219 2004 RG_{189} 2 2.1 101°.07 0°.0/ 2.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 25.45	+15 57.3	2.161	2.999	11.6	21.6
1 12	9 18.64	+16 12.3	2.106	3.020	8.2	21.4
1 22	9 10.10	+16 33.1	2.076	3.041	4.4	21.2
2 1	9 0.61	+16 55.9	2.077	3.062	0.5	20.9
2 11	8 51.16	+17 17.2	2.108	3.082	3.5	21.2
2 21	8 42.67	+17 33.9	2.168	3.102	7.2	21.5
3 2	8 35.90	+17 44.5	2.255	3.121	10.4	21.7
3 12	8 31.35	+17 47.9	2.366	3.140	13.1	21.9

109539 2001 QR_{251} 2 2.1 176°.44 2°.8/ 4.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 19.80	+ 5 48.7	2.423	3.234	11.4	20.2
1 12	9 14.67	+ 6 8.0	2.343	3.234	8.6	20.0
1 22	9 8.01	+ 6 40.7	2.288	3.235	5.6	19.8
2 1	9 0.41	+ 7 24.7	2.261	3.236	3.0	19.6
2 11	8 52.65	+ 8 16.3	2.264	3.236	3.7	19.7
2 21	8 45.50	+ 9 11.4	2.297	3.236	6.5	19.9
3 2	8 39.67	+10 5.7	2.358	3.236	9.6	20.0
3 12	8 35.68	+10 55.6	2.443	3.235	12.2	20.2

94992 2001 YE_{128} 2 2.1 174°.59 1°.5/ 1.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 28.28	+19 32.9	1.714	2.564	13.6	19.3
1 12	9 21.25	+20 1.5	1.645	2.566	9.6	19.1
1 22	9 11.77	+20 34.7	1.601	2.568	5.2	18.8
2 1	9 0.80	+21 6.9	1.585	2.569	1.5	18.5
2 11	8 49.65	+21 32.4	1.599	2.570	5.0	18.8
2 21	8 39.64	+21 47.5	1.640	2.570	9.4	19.0
3 2	8 31.86	+21 50.9	1.707	2.570	13.4	19.3
3 12	8 26.98	+21 43.0	1.794	2.569	16.7	19.5

313128 2001 BB_1 2 2.1 89°.35 0°.0/ 2.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 26.26	+ 6 22.9	1.075	1.923	19.9	19.7
1 12	9 20.73	+ 9 15.2	1.019	1.937	14.4	19.4
1 22	9 11.88	+12 44.4	0.985	1.951	7.9	19.1
2 1	9 0.83	+16 32.8	0.979	1.964	0.8	18.7
2 11	8 49.42	+20 16.4	1.003	1.978	6.2	19.1
2 21	8 39.52	+23 33.5	1.054	1.991	12.5	19.5
3 2	8 32.68	+26 12.0	1.129	2.004	17.8	19.8
3 12	8 29.76	+28 9.5	1.223	2.016	22.0	20.1

239438 2007 TU_{164} 2 2.1 115°.02 1°.3/ 1.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 2	9 22.13	+19 44.8	2.359	3.205	10.4	20.8
1 12	9 16.34	+20 17.5	2.293	3.213	7.3	20.6
1 22	9 8.91	+20 53.5	2.254	3.220	4.0	20.4
2 1	9 0.52	+21 28.6	2.244	3.227	1.3	20.2
2 11	8 52.04	+21 58.7	2.265	3.234	3.9	20.4
2 21	8 44.33	+22 21.0	2.315	3.241	7.2	20.6
3 2	8 38.14	+22 33.8	2.391	3.248	10.3	20.8
3 12	8 33.98	+22 36.9	2.490	3.255	12.8	21.0

242355 2004 BQ_{86} 2 2.1 7°.85 3°.0/31.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 25.84	+25 9.1	1.767	2.625	12.8	19.3
1 12	9 19.43	+25 17.7	1.703	2.626	9.2	19.1
1 22	9 10.73	+25 24.2	1.663	2.628	5.3	18.8
2 1	9 0.71	+25 23.7	1.651	2.630	3.0	18.7
2 11	8 50.64	+25 12.4	1.668	2.633	5.6	18.9
2 21	8 41.76	+24 48.9	1.712	2.637	9.4	19.1
3 2	8 35.06	+24 13.9	1.781	2.641	13.0	19.3
3 12	8 31.12	+23 29.6	1.870	2.645	16.1	19.5

287382 2002 VJ_{16} 2 2.1 137°.48 3°.3/ 4.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 28.32	+ 7 6.7	1.766	2.583	14.7	21.3
1 12	9 21.03	+ 7 8.6	1.702	2.598	11.0	21.1
1 22	9 11.56	+ 7 25.8	1.662	2.613	7.0	20.9
2 1	9 0.80	+ 7 56.0	1.649	2.626	3.6	20.7
2 11	8 49.95	+ 8 34.8	1.667	2.639	4.6	20.8
2 21	8 40.21	+ 9 17.1	1.713	2.650	8.4	21.1
3 2	8 32.53	+ 9 58.2	1.785	2.661	12.2	21.3
3 12	8 27.52	+10 34.3	1.880	2.671	15.4	21.6

199647 2006 GR_{21} 2 2.1 286°.21 2°.9/ 4.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 20.76	+ 6 56.0	2.019	2.841	12.9	21.0
1 12	9 15.65	+ 7 6.9	1.937	2.835	9.8	20.7
1 22	9 8.68	+ 7 32.4	1.878	2.830	6.2	20.5
2 1	9 0.51	+ 8 10.5	1.847	2.824	3.2	20.3
2 11	8 52.10	+ 8 57.4	1.845	2.818	4.1	20.4
2 21	8 44.41	+ 9 48.1	1.872	2.813	7.6	20.6
3 2	8 38.31	+10 37.9	1.925	2.807	11.1	20.8
3 12	8 34.42	+11 22.8	2.000	2.802	14.3	21.0

119052 2001 KZ 2 2.1 221°.32 4°.7/30.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 28.35	+25 22.9	1.552	2.413	14.1	20.3
1 12	9 21.76	+26 35.8	1.483	2.407	10.2	20.0
1 22	9 12.27	+27 50.2	1.438	2.401	6.3	19.8
2 1	9 0.89	+28 56.4	1.421	2.394	4.8	19.7
2 11	8 49.14	+29 45.6	1.432	2.387	7.6	19.8
2 21	8 38.59	+30 12.9	1.468	2.380	11.8	20.0
3 2	8 30.59	+30 18.0	1.528	2.372	15.7	20.3
3 12	8 25.94	+30 3.5	1.607	2.363	19.0	20.5

498557 2008 HW_{46} 2 2.1 261°.41 4°.1/29.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 24.26	+25 6.0	2.037	2.891	11.5	21.4
1 12	9 18.47	+26 33.7	1.950	2.872	8.3	21.1
1 22	9 10.39	+28 4.8	1.891	2.852	5.2	20.9
2 1	9 0.71	+29 31.1	1.861	2.831	4.2	20.8
2 11	8 50.52	+30 44.8	1.860	2.810	6.7	20.9
2 21	8 41.02	+31 40.2	1.888	2.789	10.2	21.1
3 2	8 33.33	+32 15.3	1.940	2.767	13.5	21.2
3 12	8 28.25	+32 30.8	2.013	2.745	16.4	21.4

11699 1998 FL_{105} 2 2.1 275°.72 0°.7/ 2.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 25.92	+14 31.8	1.581	2.429	14.6	16.8
1 12	9 19.81	+14 35.6	1.502	2.420	10.6	16.6
1 22	9 11.13	+14 49.1	1.446	2.411	5.9	16.3
2 1	9 0.78	+15 8.5	1.417	2.401	1.1	15.9
2 11	8 50.08	+15 29.2	1.416	2.392	4.5	16.1
2 21	8 40.41	+15 46.8	1.443	2.383	9.4	16.4
3 2	8 32.97	+15 58.2	1.494	2.374	13.9	16.6
3 12	8 28.51	+16 1.8	1.565	2.365	17.6	16.9

497618 2006 QD_{37} 2 2.1 176°.84 2°.3/31.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 23.97	+25 26.3	3.142	3.981	8.3	22.5
1 12	9 17.35	+25 50.3	3.069	3.984	5.9	22.3
1 22	9 9.36	+26 12.8	3.024	3.985	3.5	22.1
2 1	9 0.58	+26 30.6	3.011	3.987	2.3	22.1
2 11	8 51.74	+26 41.0	3.029	3.987	3.9	22.2
2 21	8 43.52	+26 42.4	3.078	3.987	6.4	22.3
3 2	8 36.55	+26 34.5	3.155	3.987	8.7	22.5
3 12	8 31.27	+26 18.1	3.256	3.986	10.7	22.6

421564 2014 OS_{190} 2 2.1 31°.16 6°.6/ 6.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 19.04	− 1 38.5	1.293	2.110	19.1	19.9
1 12	9 14.92	− 1 16.0	1.243	2.128	15.1	19.7
1 22	9 8.40	− 0 21.7	1.212	2.148	10.9	19.6
2 1	9 0.49	+ 1 1.6	1.205	2.168	7.4	19.4
2 11	8 52.54	+ 2 45.9	1.223	2.189	7.0	19.5
2 21	8 45.84	+ 4 40.1	1.267	2.212	10.0	19.7
3 2	8 41.42	+ 6 32.7	1.334	2.235	13.8	20.0
3 12	8 39.86	+ 8 14.8	1.423	2.259	17.2	20.2

70147 1999 NP_{25} 2 2.1 186°.62 1°.4/ 1.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 2	9 26.56	+19 13.4	2.073	2.916	11.8	20.3
1 12	9 19.76	+19 54.2	1.998	2.916	8.4	20.1
1 22	9 10.90	+20 39.8	1.949	2.915	4.5	19.9
2 1	9 0.75	+21 24.9	1.930	2.914	1.4	19.6
2 11	8 50.39	+22 4.2	1.942	2.912	4.4	19.9
2 21	8 40.90	+22 33.8	1.983	2.909	8.3	20.1
3 2	8 33.23	+22 51.8	2.050	2.905	11.8	20.3
3 12	8 28.00	+22 58.2	2.140	2.900	14.7	20.5

242914 2006 MU_{14} 2 2.1 175°.63 2°.9/ 4.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 20.51	+ 5 13.9	2.888	3.686	10.1	21.1
1 12	9 14.96	+ 5 14.7	2.805	3.688	7.7	20.9
1 22	9 8.11	+ 5 26.2	2.748	3.690	5.1	20.8
2 1	9 0.46	+ 5 47.4	2.721	3.691	3.1	20.6
2 11	8 52.69	+ 6 15.8	2.724	3.692	3.5	20.6
2 21	8 45.46	+ 6 48.8	2.758	3.692	5.8	20.8
3 2	8 39.35	+ 7 23.3	2.821	3.692	8.4	21.0
3 12	8 34.82	+ 7 56.3	2.908	3.692	10.7	21.1

196612 2003 QQ_{89} 2 2.1 204°.27 4°.4/ 5.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 22.65	+ 1 53.1	2.504	3.290	11.8	20.6
1 12	9 16.68	+ 1 33.8	2.416	3.286	9.3	20.4
1 22	9 9.12	+ 1 28.3	2.352	3.281	6.7	20.2
2 1	9 0.57	+ 1 36.4	2.317	3.275	4.7	20.1
2 11	8 51.81	+ 1 56.5	2.311	3.270	4.9	20.1
2 21	8 43.63	+ 2 25.5	2.335	3.263	7.1	20.2
3 2	8 36.78	+ 3 0.0	2.387	3.256	9.8	20.4
3 12	8 31.78	+ 3 35.9	2.463	3.249	12.3	20.6

317062 2001 SM_{119} 2 2.1 224°.96 2°.3/ 3.7 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 23.67	+ 8 44.5	2.227	3.045	12.0	21.8
1 12	9 17.63	+ 8 55.0	2.135	3.034	9.0	21.6
1 22	9 9.74	+ 9 17.6	2.069	3.023	5.5	21.3
2 1	9 0.64	+ 9 49.9	2.032	3.011	2.5	21.1
2 11	8 51.25	+10 28.6	2.025	2.998	3.7	21.2
2 21	8 42.49	+11 9.4	2.048	2.985	7.3	21.4
3 2	8 35.24	+11 48.6	2.098	2.971	10.8	21.6
3 12	8 30.13	+12 23.0	2.171	2.957	13.8	21.7

427089 2014 UR_{45} 2 2.1 155°.63 0°.7/ 2.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 24.40	+13 10.1	2.142	2.974	11.9	22.1
1 12	9 18.07	+13 35.0	2.071	2.982	8.6	21.9
1 22	9 9.92	+14 8.7	2.026	2.988	4.8	21.7
2 1	9 0.66	+14 47.8	2.010	2.994	1.0	21.4
2 11	8 51.27	+15 27.6	2.024	3.000	3.5	21.7
2 21	8 42.71	+16 4.4	2.069	3.005	7.3	21.9
3 2	8 35.80	+16 34.9	2.140	3.009	10.8	22.1
3 12	8 31.11	+16 57.5	2.234	3.013	13.7	22.3

465139 2007 BD_{2} 2 2.1 319°.20 1°.4/ 1.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 27.61	+21 9.7	1.525	2.384	14.4	20.3
1 12	9 21.21	+20 57.4	1.440	2.365	10.4	20.0
1 22	9 11.98	+20 46.2	1.380	2.347	5.7	19.7
2 1	9 0.89	+20 31.7	1.345	2.330	1.5	19.4
2 11	8 49.40	+20 9.8	1.339	2.313	5.3	19.6
2 21	8 39.04	+19 39.1	1.360	2.296	10.3	19.8
3 2	8 31.14	+18 59.7	1.404	2.280	14.9	20.1
3 12	8 26.49	+18 13.0	1.469	2.265	18.7	20.3

281707 2008 WE_{97} 2 2.1 36°.81 6°.2/28.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 22.98	+30 41.9	1.829	2.690	12.3	19.9
1 12	9 17.57	+32 20.6	1.779	2.698	9.2	19.7
1 22	9 9.83	+33 54.6	1.756	2.706	6.7	19.6
2 1	9 0.65	+35 14.7	1.761	2.715	6.4	19.6
2 11	8 51.32	+36 13.5	1.793	2.724	8.5	19.7
2 21	8 43.07	+36 47.7	1.850	2.733	11.4	19.9
3 2	8 36.97	+36 57.8	1.931	2.743	14.2	20.1
3 12	8 33.64	+36 47.2	2.030	2.752	16.6	20.3

203015 1999 YF_{3} 2 2.1 38°.09 20°.6/28.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	10 22.09	+15 50.3	0.426	1.294	36.2	18.6
1 12	10 2.69	+ 6 48.6	0.387	1.305	28.7	18.2
1 22	9 35.10	− 2 51.4	0.372	1.318	22.2	17.9
2 1	9 3.18	−11 32.8	0.383	1.333	21.0	18.0
2 11	8 33.18	−17 51.0	0.419	1.349	25.2	18.3
2 21	8 10.10	−21 34.8	0.473	1.367	30.5	18.8
3 2	7 55.93	−23 23.1	0.539	1.386	34.7	19.2
3 12	7 50.21	−24 2.2	0.612	1.405	37.7	19.6

389455 2010 DQ_{18} 2 2.1 309°.22 6°.4/26.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 22.19	+31 52.3	2.090	2.947	11.1	20.1
1 12	9 17.04	+33 50.0	2.022	2.936	8.5	20.0
1 22	9 9.62	+35 45.1	1.982	2.926	6.6	19.8
2 1	9 0.65	+37 27.9	1.971	2.916	6.7	19.8
2 11	8 51.26	+38 50.4	1.989	2.906	8.7	19.9
2 21	8 42.63	+39 47.9	2.033	2.897	11.4	20.1
3 2	8 35.85	+40 20.0	2.100	2.888	14.0	20.2
3 12	8 31.71	+40 29.0	2.186	2.878	16.3	20.4

519143 2010 NC_{10} 2 2.1 172°.62 5°.2/27.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 2	9 24.16	+35 54.6	2.986	3.822	8.8	22.1
1 12	9 17.73	+36 55.7	2.927	3.825	6.9	22.0
1 22	9 9.68	+37 50.0	2.896	3.828	5.5	21.9
2 1	9 0.66	+38 32.1	2.894	3.830	5.3	21.9
2 11	8 51.51	+38 58.6	2.922	3.831	6.6	21.9
2 21	8 43.08	+39 8.0	2.978	3.832	8.5	22.1
3 2	8 36.11	+39 0.9	3.059	3.833	10.4	22.2
3 12	8 31.12	+38 39.6	3.160	3.833	12.1	22.3

251771 1999 RP_{2} 2 2.1 162°.27 3°.3/ 4.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 27.00	+ 6 37.4	2.196	3.001	12.6	21.1
1 12	9 19.85	+ 6 22.6	2.120	3.008	9.6	21.0
1 22	9 10.86	+ 6 20.0	2.069	3.015	6.2	20.8
2 1	9 0.78	+ 6 28.5	2.048	3.021	3.6	20.6
2 11	8 50.56	+ 6 45.5	2.057	3.026	4.3	20.7
2 21	8 41.17	+ 7 7.8	2.097	3.030	7.4	20.9
3 2	8 33.43	+ 7 32.0	2.164	3.034	10.6	21.1
3 12	8 27.90	+ 7 54.9	2.254	3.037	13.4	21.3

76438 2000 FE_{29} 2 2.1 24°.43 6°.2/ 6.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 19.53	− 1 22.5	1.864	2.657	15.0	18.7
1 12	9 14.83	− 1 33.2	1.793	2.662	12.1	18.5
1 22	9 8.24	− 1 22.1	1.744	2.667	9.0	18.3
2 1	9 0.51	− 0 49.5	1.720	2.673	6.6	18.2
2 11	8 52.62	+ 0 1.6	1.723	2.680	6.5	18.2
2 21	8 45.54	+ 1 5.7	1.753	2.686	8.6	18.4
3 2	8 40.14	+ 2 16.1	1.809	2.693	11.6	18.5
3 12	8 36.99	+ 3 26.2	1.887	2.701	14.5	18.8

416869 2005 OB_{1} 2 2.1 124°.99 4°.6/30.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 30.34	+30 31.0	2.231	3.073	11.1	21.7
1 12	9 22.21	+31 10.4	2.180	3.091	8.2	21.5
1 22	9 12.09	+31 43.6	2.157	3.109	5.5	21.4
2 1	9 0.90	+32 4.9	2.163	3.125	4.6	21.3
2 11	8 49.79	+32 10.4	2.199	3.142	6.3	21.5
2 21	8 39.85	+31 59.3	2.263	3.157	9.1	21.7
3 2	8 31.93	+31 33.2	2.354	3.172	11.8	21.9
3 12	8 26.56	+30 55.1	2.466	3.186	14.0	22.1

860 Ursina 2 2.1 157°.31 0°.4/ 2.4 18 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 25.79	+15 47.1	2.230	3.065	11.4	15.1
1 12	9 18.99	+15 44.3	2.156	3.069	8.2	14.9
1 22	9 10.39	+15 46.6	2.109	3.073	4.5	14.7
2 1	9 0.74	+15 51.5	2.092	3.076	0.7	14.4
2 11	8 50.99	+15 56.0	2.105	3.080	3.4	14.7
2 21	8 42.08	+15 57.9	2.148	3.083	7.2	14.9
3 2	8 34.84	+15 55.6	2.218	3.086	10.5	15.1
3 12	8 29.80	+15 48.3	2.312	3.088	13.3	15.3

816 Juliana 2 2.1 346°.53 0°.6/ 1.6 18 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 19.31	+14 32.3	1.848	2.699	12.7	14.6
1 12	9 14.84	+15 45.3	1.773	2.695	9.0	14.4
1 22	9 8.34	+17 10.6	1.724	2.691	4.8	14.1
2 1	9 0.54	+18 41.8	1.703	2.688	0.7	13.8
2 11	8 52.45	+20 11.0	1.711	2.685	4.3	14.1
2 21	8 45.14	+21 31.3	1.748	2.682	8.6	14.3
3 2	8 39.59	+22 37.8	1.810	2.680	12.4	14.6
3 12	8 36.43	+23 28.1	1.894	2.679	15.6	14.8

485394 2011 KN_{42} 2 2.1 252°.90 0°.3/ 1.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 27.22	+15 36.7	1.502	2.353	15.1	22.2
1 12	9 21.01	+16 7.7	1.418	2.339	10.9	21.9
1 22	9 11.95	+16 50.1	1.357	2.323	6.0	21.6
2 1	9 0.93	+17 38.2	1.323	2.308	0.6	21.1
2 11	8 49.36	+18 25.0	1.317	2.292	5.0	21.4
2 21	8 38.80	+19 4.3	1.338	2.275	10.3	21.7
3 2	8 30.60	+19 32.0	1.383	2.258	15.1	21.9
3 12	8 25.66	+19 46.8	1.448	2.241	19.1	22.1

183615 2003 UE_{204} 2 2.1 167°.03 2°.2/31.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 26.10	+20 38.2	1.783	2.636	13.0	20.6
1 12	9 19.69	+21 27.2	1.716	2.638	9.2	20.4
1 22	9 10.96	+22 20.6	1.674	2.641	5.0	20.2
2 1	9 0.81	+23 11.9	1.661	2.643	2.2	20.0
2 11	8 50.46	+23 54.5	1.677	2.644	5.3	20.2
2 21	8 41.16	+24 24.4	1.721	2.646	9.4	20.4
3 2	8 33.96	+24 39.7	1.790	2.647	13.1	20.6
3 12	8 29.51	+24 41.0	1.879	2.647	16.2	20.9

310415 1999 TW_{175} 2 2.1 102°.19 3°.7/31.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 29.07	+25 4.7	1.715	2.569	13.3	21.0
1 12	9 21.71	+25 50.6	1.665	2.587	9.5	20.8
1 22	9 11.97	+26 35.2	1.641	2.604	5.6	20.6
2 1	9 0.91	+27 11.3	1.644	2.620	3.7	20.5
2 11	8 49.90	+27 33.4	1.677	2.637	6.2	20.7
2 21	8 40.24	+27 39.1	1.737	2.653	10.0	21.0
3 2	8 32.94	+27 28.9	1.821	2.668	13.4	21.2
3 12	8 28.55	+27 5.3	1.926	2.683	16.3	21.4

217957 2001 UF_{131} 2 2.1 186°.31 4°.7/ 5.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 2	9 22.49	+ 0 23.4	2.356	3.138	12.6	21.6
1 12	9 16.65	+ 0 21.5	2.271	3.138	10.0	21.4
1 22	9 9.16	+ 0 36.2	2.210	3.137	7.2	21.2
2 1	9 0.64	+ 1 7.1	2.178	3.136	5.1	21.1
2 11	8 51.90	+ 1 51.3	2.175	3.134	5.1	21.1
2 21	8 43.81	+ 2 44.9	2.201	3.131	7.3	21.2
3 2	8 37.11	+ 3 42.9	2.255	3.128	10.1	21.4
3 12	8 32.37	+ 4 40.6	2.333	3.124	12.8	21.6

58693 1998 BG_{25} 2 2.1 243°.49 0°.8/ 1.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 22.34	+16 25.5	1.993	2.840	12.0	19.0
1 12	9 16.90	+17 17.6	1.913	2.833	8.6	18.8
1 22	9 9.44	+18 18.5	1.859	2.826	4.6	18.5
2 1	9 0.67	+19 22.8	1.834	2.819	0.8	18.2
2 11	8 51.61	+20 24.2	1.838	2.811	4.2	18.4
2 21	8 43.30	+21 17.6	1.872	2.803	8.3	18.7
3 2	8 36.71	+21 59.3	1.931	2.795	12.0	18.9
3 12	8 32.50	+22 28.1	2.012	2.787	15.1	19.1

82694 2001 PB_{35} 2 2.1 229°.83 3°.0/ 4.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 21.53	+ 6 51.2	2.432	3.242	11.4	19.4
1 12	9 15.94	+ 6 42.0	2.345	3.237	8.6	19.2
1 22	9 8.76	+ 6 44.1	2.285	3.232	5.6	19.0
2 1	9 0.60	+ 6 56.3	2.253	3.227	3.2	18.8
2 11	8 52.24	+ 7 16.3	2.251	3.221	3.9	18.9
2 21	8 44.49	+ 7 41.1	2.279	3.215	6.7	19.0
3 2	8 38.09	+ 8 7.5	2.334	3.209	9.7	19.2
3 12	8 33.57	+ 8 32.4	2.412	3.203	12.4	19.4

394795 2008 QA_{38} 2 2.1 139°.11 0°.0/ 2.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 27.02	+14 33.7	1.612	2.457	14.5	21.7
1 12	9 20.41	+15 10.3	1.548	2.466	10.4	21.5
1 22	9 11.37	+15 57.6	1.509	2.475	5.6	21.2
2 1	9 0.87	+16 50.0	1.498	2.483	0.6	20.9
2 11	8 50.21	+17 40.6	1.515	2.490	4.5	21.2
2 21	8 40.71	+18 24.2	1.560	2.497	9.2	21.5
3 2	8 33.46	+18 57.0	1.631	2.504	13.3	21.7
3 12	8 29.11	+19 17.8	1.722	2.509	16.8	22.0

108687 2001 OU_{8} 2 2.1 162°.85 2°.3/ 3.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 26.11	+ 9 32.5	2.286	3.101	11.9	20.3
1 12	9 19.18	+ 9 22.5	2.209	3.107	8.8	20.1
1 22	9 10.50	+ 9 22.1	2.159	3.113	5.4	19.9
2 1	9 0.78	+ 9 29.8	2.139	3.118	2.5	19.7
2 11	8 50.93	+ 9 42.9	2.149	3.122	3.7	19.8
2 21	8 41.88	+ 9 58.6	2.190	3.126	7.0	20.0
3 2	8 34.41	+10 14.2	2.259	3.129	10.2	20.2
3 12	8 29.07	+10 27.3	2.351	3.131	13.0	20.4

470871 2009 AO_{27} 2 2.1 277°.27 1°.3/ 2.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 24.98	+13 36.5	2.336	3.164	11.2	20.7
1 12	9 18.50	+13 15.3	2.241	3.149	8.2	20.5
1 22	9 10.21	+12 59.7	2.173	3.133	4.7	20.3
2 1	9 0.76	+12 48.3	2.135	3.118	1.5	20.0
2 11	8 51.05	+12 39.0	2.127	3.102	3.4	20.1
2 21	8 42.00	+12 30.2	2.150	3.086	7.1	20.3
3 2	8 34.46	+12 20.3	2.200	3.070	10.5	20.5
3 12	8 29.03	+12 8.0	2.273	3.054	13.4	20.7

238422 2004 FN_{96} 2 2.1 277°.02 1°.2/ 3.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 19.34	+ 9 50.8	2.376	3.202	11.1	20.8
1 12	9 14.56	+10 38.1	2.279	3.186	8.1	20.6
1 22	9 8.11	+11 38.3	2.209	3.169	4.8	20.3
2 1	9 0.55	+12 48.0	2.168	3.151	1.5	20.1
2 11	8 52.68	+14 2.2	2.158	3.134	3.2	20.2
2 21	8 45.32	+15 15.6	2.178	3.117	6.8	20.4
3 2	8 39.27	+16 23.6	2.226	3.099	10.2	20.5
3 12	8 35.12	+17 22.6	2.297	3.082	13.2	20.7

473802 2016 EH_{101} 2 2.1 353°.24 2°.5/31.5 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 20.28	+18 39.7	1.352	2.224	15.1	20.4
1 12	9 16.14	+19 56.3	1.287	2.219	10.7	20.2
1 22	9 9.29	+21 23.8	1.245	2.215	5.8	19.9
2 1	9 0.68	+22 52.8	1.229	2.211	2.5	19.6
2 11	8 51.73	+24 13.0	1.239	2.209	6.3	19.9
2 21	8 43.93	+25 16.5	1.275	2.208	11.2	20.1
3 2	8 38.56	+25 59.1	1.333	2.207	15.6	20.4
3 12	8 36.38	+26 20.6	1.410	2.208	19.3	20.6

467554 2007 TP_{119} 2 2.1 180°.91 1°.3/ 3.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 20.92	+11 16.2	2.615	3.439	10.3	21.9
1 12	9 15.41	+11 30.6	2.535	3.440	7.5	21.7
1 22	9 8.44	+11 53.4	2.482	3.440	4.4	21.5
2 1	9 0.58	+12 22.2	2.458	3.440	1.5	21.3
2 11	8 52.58	+12 53.9	2.465	3.440	3.0	21.4
2 21	8 45.18	+13 25.5	2.502	3.439	6.2	21.7
3 2	8 39.05	+13 54.1	2.567	3.439	9.1	21.8
3 12	8 34.69	+14 17.6	2.656	3.437	11.7	22.0

290434 2005 TP_{110} 2 2.1 217.°36 1.°8/ 3.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 2	9 23.43	+10 9.9	2.083	2.910	12.4	21.6
1 12	9 17.55	+10 23.4	1.999	2.904	9.2	21.3
1 22	9 9.74	+10 48.4	1.940	2.898	5.5	21.1
2 1	9 0.72	+11 22.5	1.910	2.891	2.1	20.9
2 11	8 51.43	+12 1.5	1.909	2.884	3.7	21.0
2 21	8 42.88	+12 41.1	1.938	2.877	7.5	21.2
3 2	8 35.95	+13 17.6	1.993	2.869	11.1	21.4
3 12	8 31.27	+13 48.1	2.072	2.861	14.2	21.6

205306 2000 SH_{304} 2 2.1 89.°68 1.°1/ 2.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 28.12	+13 37.3	1.538	2.382	15.2	20.3
1 12	9 21.11	+13 41.9	1.484	2.400	10.9	20.0
1 22	9 11.69	+13 56.9	1.453	2.417	6.1	19.8
2 1	9 0.91	+14 18.1	1.449	2.433	1.4	19.5
2 11	8 50.15	+14 40.8	1.474	2.450	4.4	19.8
2 21	8 40.72	+15 0.7	1.526	2.466	9.1	20.1
3 2	8 33.66	+15 14.9	1.604	2.482	13.2	20.4
3 12	8 29.55	+15 21.8	1.702	2.498	16.6	20.6

126289 2002 AY_{104} 2 2.1 252.°17 1.°1/ 1.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 22.83	+17 40.7	1.900	2.750	12.4	20.1
1 12	9 17.29	+18 25.4	1.826	2.747	8.8	19.9
1 22	9 9.66	+19 17.5	1.777	2.744	4.7	19.6
2 1	9 0.72	+20 11.3	1.757	2.741	1.1	19.4
2 11	8 51.53	+21 0.9	1.766	2.738	4.4	19.6
2 21	8 43.21	+21 41.5	1.803	2.735	8.6	19.9
3 2	8 36.71	+22 10.4	1.866	2.732	12.3	20.1
3 12	8 32.69	+22 26.6	1.950	2.728	15.4	20.3

147507 2004 CQ_{130} 2 2.1 278.°73 6.°4/28.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 25.95	+30 29.9	1.690	2.551	13.1	19.8
1 12	9 20.00	+31 56.7	1.625	2.544	9.9	19.6
1 22	9 11.33	+33 20.1	1.585	2.537	7.1	19.4
2 1	9 0.90	+34 30.0	1.572	2.530	6.6	19.4
2 11	8 50.12	+35 18.1	1.586	2.523	8.9	19.5
2 21	8 40.48	+35 40.6	1.626	2.516	12.2	19.7
3 2	8 33.22	+35 38.1	1.688	2.509	15.5	19.9
3 12	8 29.14	+35 14.4	1.769	2.502	18.3	20.1

413528 2005 SO_{76} 2 2.1 48.°51 3.°3/31.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 26.02	+23 35.9	1.535	2.398	14.1	20.5
1 12	9 19.74	+24 15.7	1.487	2.413	10.0	20.3
1 22	9 10.99	+24 56.0	1.462	2.428	5.7	20.1
2 1	9 0.85	+25 29.7	1.464	2.444	3.3	20.0
2 11	8 50.74	+25 50.8	1.494	2.459	6.2	20.2
2 21	8 42.03	+25 56.5	1.551	2.475	10.2	20.5
3 2	8 35.74	+25 47.0	1.631	2.492	14.0	20.7
3 12	8 32.44	+25 24.1	1.731	2.508	17.1	21.0

194013 2001 SO_{27} 2 2.1 123.°13 1.°6/ 1.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 28.75	+19 7.0	1.652	2.502	14.0	21.6
1 12	9 21.56	+19 49.1	1.596	2.517	9.9	21.4
1 22	9 11.96	+20 36.5	1.565	2.532	5.3	21.1
2 1	9 0.95	+21 22.6	1.562	2.545	1.6	20.9
2 11	8 49.91	+22 0.9	1.588	2.559	5.1	21.2
2 21	8 40.14	+22 27.5	1.642	2.571	9.4	21.5
3 2	8 32.70	+22 40.7	1.721	2.583	13.3	21.7
3 12	8 28.17	+22 41.2	1.821	2.595	16.5	22.0

344095 1999 RG_{153} 2 2.1 139.°54 0.°4/ 2.3 15

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 30.50	+14 53.2	1.706	2.543	14.2	21.7
1 12	9 22.70	+15 9.5	1.644	2.558	10.2	21.5
1 22	9 12.55	+15 34.2	1.607	2.571	5.6	21.2
2 1	9 1.02	+16 2.8	1.599	2.584	0.7	20.9
2 11	8 49.44	+16 30.2	1.621	2.596	4.3	21.2
2 21	8 39.09	+16 52.5	1.671	2.607	8.8	21.5
3 2	8 31.02	+17 7.2	1.748	2.617	12.8	21.8
3 12	8 25.82	+17 13.5	1.846	2.626	16.1	22.0

501794 2014 VZ_{30} 2 2.1 298.°98 8.°2/ 6.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 21.85	− 3 30.1	1.747	2.529	16.3	20.7
1 12	9 16.85	− 4 15.7	1.653	2.510	13.6	20.5
1 22	9 9.58	− 4 38.9	1.580	2.491	10.7	20.3
2 1	9 0.74	− 4 37.1	1.531	2.472	8.6	20.1
2 11	8 51.39	− 4 10.4	1.508	2.453	8.5	20.0
2 21	8 42.71	− 3 22.6	1.511	2.434	10.6	20.1
3 2	8 35.82	− 2 20.1	1.538	2.416	13.7	20.2
3 12	8 31.52	− 1 10.9	1.586	2.397	16.9	20.4

370683 2004 FL_{1} 2 2.1 95.°69 12.°1/30.4 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 48.87	+41 46.6	1.099	1.943	19.9	20.5
1 12	9 37.17	+42 27.6	1.058	1.955	16.1	20.4
1 22	9 20.71	+42 41.5	1.038	1.967	13.1	20.2
2 1	9 1.83	+42 13.5	1.040	1.978	12.1	20.2
2 11	8 43.79	+40 59.3	1.068	1.989	13.9	20.3
2 21	8 29.26	+39 6.5	1.118	2.001	17.1	20.6
3 2	8 19.74	+36 49.4	1.189	2.011	20.6	20.8
3 12	8 15.44	+34 21.7	1.277	2.022	23.6	21.1

221032 2005 QT_{43} 2 2.1 171.°43 0.°1/ 2.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 2	9 24.08	+15 22.5	2.045	2.886	12.1	21.6
1 12	9 18.01	+15 54.8	1.972	2.888	8.6	21.4
1 22	9 9.98	+16 35.0	1.925	2.890	4.7	21.1
2 1	9 0.77	+17 18.7	1.907	2.892	0.5	20.8
2 11	8 51.37	+18 1.0	1.919	2.893	3.8	21.1
2 21	8 42.81	+18 37.7	1.960	2.894	7.8	21.3
3 2	8 35.98	+19 5.8	2.027	2.895	11.4	21.5
3 12	8 31.48	+19 24.2	2.117	2.895	14.3	21.7

39391 4885 P–L 2 2.1 204.°19 1.°8/31.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 27.65	+20 26.1	1.979	2.824	12.2	20.3
1 12	9 20.70	+21 3.4	1.900	2.819	8.7	20.0
1 22	9 11.53	+21 44.6	1.848	2.814	4.7	19.8
2 1	9 0.93	+22 24.2	1.825	2.808	1.8	19.6
2 11	8 50.07	+22 56.7	1.832	2.801	4.8	19.8
2 21	8 40.12	+23 18.3	1.868	2.793	8.8	20.0
3 2	8 32.10	+23 27.6	1.930	2.784	12.5	20.2
3 12	8 26.69	+23 25.0	2.014	2.775	15.5	20.4

161308 2003 OU_{20} 2 2.1 120.°50 2.°9/31.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 29.28	+23 13.0	1.727	2.580	13.3	20.1
1 12	9 21.89	+23 50.3	1.671	2.593	9.5	19.9
1 22	9 12.12	+24 28.2	1.641	2.606	5.4	19.7
2 1	9 0.99	+25 0.0	1.639	2.618	2.9	19.6
2 11	8 49.85	+25 20.4	1.666	2.630	5.7	19.8
2 21	8 40.00	+25 26.7	1.720	2.642	9.6	20.0
3 2	8 32.46	+25 18.9	1.800	2.653	13.3	20.3
3 12	8 27.83	+24 58.8	1.900	2.663	16.3	20.5

329066 2011 BM_{2} 2 2.1 328.°61 1.°4/ 1.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 24.23	+19 12.6	1.777	2.631	12.9	21.4
1 12	9 18.38	+19 43.5	1.706	2.629	9.2	21.2
1 22	9 10.29	+20 19.7	1.660	2.628	5.0	20.9
2 1	9 0.81	+20 55.9	1.643	2.626	1.4	20.7
2 11	8 51.13	+21 26.4	1.654	2.625	4.7	20.9
2 21	8 42.45	+21 47.4	1.692	2.624	9.0	21.1
3 2	8 35.77	+21 57.0	1.756	2.623	12.8	21.4
3 12	8 31.77	+21 55.0	1.840	2.622	16.0	21.6

121501 1999 TH_{273} 2 2.1 298.°16 7.°9/ 3.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 34.75	+ 7 5.2	1.096	1.933	20.4	18.1
1 12	9 27.03	+ 5 5.5	1.022	1.924	16.1	17.8
1 22	9 15.52	+ 3 17.4	0.968	1.915	11.3	17.5
2 1	9 1.39	+ 1 47.0	0.939	1.906	8.0	17.3
2 11	8 46.64	+ 0 38.8	0.935	1.898	9.4	17.4
2 21	8 33.42	− 0 6.1	0.956	1.890	13.9	17.6
3 2	8 23.51	− 0 31.0	0.998	1.882	18.9	17.8
3 12	8 17.90	− 0 42.6	1.058	1.874	23.2	18.1

86415 2000 AW_{221} 2 2.1 263.°33 1.°6/ 1.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 26.50	+18 20.5	1.459	2.318	15.0	19.9
1 12	9 20.57	+19 3.8	1.381	2.306	10.7	19.6
1 22	9 11.75	+19 56.2	1.326	2.294	5.8	19.3
2 1	9 0.98	+20 50.7	1.297	2.281	1.6	19.0
2 11	8 49.73	+21 39.3	1.296	2.269	5.6	19.2
2 21	8 39.57	+22 15.8	1.322	2.256	10.8	19.5
3 2	8 31.87	+22 37.0	1.371	2.243	15.4	19.7
3 12	8 27.49	+22 42.7	1.439	2.230	19.3	19.9

180644 2004 GO_{22} 2 2.1 73.°09 7.°3/ 7.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 21.62	− 3 57.5	1.739	2.520	16.4	20.1
1 12	9 16.42	− 4 6.7	1.671	2.529	13.4	19.9
1 22	9 9.19	− 3 50.3	1.624	2.538	10.3	19.7
2 1	9 0.70	− 3 8.2	1.601	2.547	7.8	19.6
2 11	8 52.04	− 2 3.8	1.606	2.557	7.4	19.6
2 21	8 44.30	− 0 43.7	1.637	2.566	9.4	19.7
3 2	8 38.41	+ 0 43.9	1.693	2.575	12.4	19.9
3 12	8 34.98	+ 2 11.2	1.772	2.584	15.3	20.1

73061 2002 FC_{9} 2 2.1 203.°29 3.°5/ 4.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 24.35	+ 5 58.8	1.841	2.658	14.2	19.4
1 12	9 18.39	+ 6 6.5	1.760	2.655	10.8	19.1
1 22	9 10.30	+ 6 30.9	1.702	2.652	7.0	18.9
2 1	9 0.82	+ 7 10.0	1.672	2.648	3.8	18.7
2 11	8 51.06	+ 7 59.6	1.671	2.643	4.7	18.7
2 21	8 42.12	+ 8 54.3	1.698	2.638	8.3	18.9
3 2	8 35.01	+ 9 48.5	1.752	2.633	12.1	19.2
3 12	8 30.40	+10 37.5	1.828	2.627	15.5	19.4

425095 2009 SD_{66} 2 2.1 148.°62 1.°2/ 3.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 22.75	+11 7.7	2.207	3.035	11.8	22.2
1 12	9 16.91	+11 36.9	2.135	3.042	8.5	22.1
1 22	9 9.34	+12 16.7	2.089	3.049	4.9	21.8
2 1	9 0.72	+13 3.5	2.073	3.056	1.5	21.6
2 11	8 51.97	+13 53.0	2.086	3.062	3.4	21.8
2 21	8 43.98	+14 40.7	2.129	3.067	7.0	22.0
3 2	8 37.53	+15 23.0	2.200	3.072	10.4	22.2
3 12	8 33.18	+15 57.6	2.294	3.077	13.2	22.4

87044 2000 KC_8 2 2.1 228°.81 2°.5/ 3.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 2	9 22.96	+ 7 55.9	2.098	2.918	12.6	20.5
1 12	9 17.25	+ 8 8.8	2.010	2.909	9.5	20.3
1 22	9 9.62	+ 8 35.1	1.947	2.900	5.9	20.0
2 1	9 0.77	+ 9 12.7	1.912	2.890	2.8	19.8
2 11	8 51.61	+ 9 57.7	1.907	2.880	3.9	19.9
2 21	8 43.14	+10 45.5	1.930	2.870	7.5	20.1
3 2	8 36.24	+11 31.7	1.981	2.859	11.1	20.3
3 12	8 31.55	+12 12.7	2.055	2.848	14.2	20.4

75995 2000 DD_{14} 2 2.1 56°.22 0°.9/ 1.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 28.61	+17 36.5	1.360	2.217	15.9	19.3
1 12	9 21.50	+18 2.3	1.325	2.249	11.2	19.1
1 22	9 11.88	+18 34.8	1.313	2.280	5.9	18.8
2 1	9 0.98	+19 7.6	1.327	2.312	1.0	18.6
2 11	8 50.36	+19 34.6	1.370	2.344	5.0	19.0
2 21	8 41.41	+19 51.9	1.438	2.376	9.8	19.3
3 2	8 35.10	+19 58.2	1.531	2.407	13.8	19.6
3 12	8 31.91	+19 53.7	1.644	2.439	17.1	19.9

273013 2006 DT_{83} 2 2.2 99°.13 0°.7/ 2.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 22.59	+13 13.4	2.051	2.889	12.1	21.2
1 12	9 16.88	+13 36.7	1.984	2.897	8.7	21.0
1 22	9 9.35	+14 9.2	1.943	2.906	4.9	20.8
2 1	9 0.75	+14 47.2	1.930	2.914	1.0	20.5
2 11	8 52.03	+15 26.3	1.947	2.922	3.5	20.7
2 21	8 44.17	+16 2.3	1.992	2.931	7.4	21.0
3 2	8 37.97	+16 32.0	2.065	2.939	10.9	21.2
3 12	8 33.99	+16 53.7	2.160	2.947	13.8	21.4

197229 2003 WZ_{42} 2 2.2 157°.79 18°.7/14.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 26.18	−22 10.1	1.277	1.967	25.5	20.5
1 12	9 20.62	−23 55.6	1.215	1.970	23.5	20.3
1 22	9 11.90	−24 56.8	1.166	1.973	21.4	20.2
2 1	9 1.04	−25 3.7	1.133	1.975	19.7	20.0
2 11	8 49.65	−24 12.5	1.117	1.977	18.8	20.0
2 21	8 39.46	−22 27.9	1.120	1.978	19.0	20.0
3 2	8 32.02	−20 2.3	1.142	1.979	20.3	20.1
3 12	8 28.24	−17 13.4	1.182	1.980	22.3	20.2

182613 2001 UJ_{61} 2 2.2 269°.12 2°.6/31.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 25.64	+22 26.9	1.816	2.672	12.7	20.2
1 12	9 19.49	+23 2.6	1.738	2.661	9.0	19.9
1 22	9 10.98	+23 40.9	1.684	2.650	5.1	19.7
2 1	9 0.93	+24 15.6	1.659	2.639	2.6	19.5
2 11	8 50.58	+24 41.1	1.662	2.628	5.5	19.6
2 21	8 41.18	+24 53.7	1.693	2.617	9.6	19.9
3 2	8 33.83	+24 52.3	1.749	2.606	13.4	20.1
3 12	8 29.25	+24 37.8	1.825	2.595	16.6	20.3

242147 2003 BH_{84} 2 2.2 179°.41 5°.4/ 5.9 18 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 32.40	− 2 19.6	2.617	3.359	12.5	22.5
1 12	9 23.54	− 2 38.1	2.526	3.364	10.1	22.3
1 22	9 12.90	− 2 40.5	2.460	3.368	7.6	22.1
2 1	9 1.13	− 2 26.4	2.426	3.369	5.7	22.0
2 11	8 49.13	− 1 57.5	2.424	3.368	5.7	22.0
2 21	8 37.80	− 1 17.1	2.454	3.366	7.6	22.1
3 2	8 27.97	− 0 29.4	2.514	3.361	10.2	22.3
3 12	8 20.20	+ 0 20.6	2.601	3.355	12.6	22.5

501451 2014 AP_{38} 2 2.2 34°.82 0°.3/ 1.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 20.44	+15 50.9	2.146	2.992	11.4	21.5
1 12	9 15.36	+16 25.6	2.078	2.996	8.1	21.3
1 22	9 8.53	+17 7.6	2.035	3.001	4.3	21.1
2 1	9 0.67	+17 52.6	2.021	3.006	0.5	20.8
2 11	8 52.67	+18 36.0	2.037	3.011	3.6	21.1
2 21	8 45.45	+19 13.6	2.081	3.016	7.3	21.3
3 2	8 39.79	+19 42.8	2.152	3.022	10.7	21.5
3 12	8 36.23	+20 2.2	2.245	3.028	13.5	21.7

124521 2001 RC_{77} 2 2.2 76°.58 4°.4/30.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 28.23	+24 1.1	1.365	2.231	15.3	19.6
1 12	9 21.60	+25 19.3	1.322	2.250	10.9	19.4
1 22	9 12.14	+26 38.4	1.304	2.268	6.5	19.1
2 1	9 1.05	+27 47.7	1.312	2.287	4.5	19.1
2 11	8 50.00	+28 38.7	1.346	2.306	7.5	19.3
2 21	8 40.54	+29 7.2	1.407	2.325	11.7	19.6
3 2	8 33.87	+29 13.6	1.490	2.343	15.5	19.9
3 12	8 30.56	+29 1.3	1.592	2.361	18.7	20.1

492 Gismonda 2 2.2 137°.14 0°.6/ 1.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 21.71	+17 38.8	2.692	3.531	9.6	15.5
1 12	9 15.94	+18 9.3	2.625	3.541	6.7	15.3
1 22	9 8.74	+18 43.9	2.585	3.550	3.6	15.2
2 1	9 0.70	+19 19.2	2.575	3.559	0.7	14.9
2 11	8 52.60	+19 51.7	2.596	3.568	3.2	15.2
2 21	8 45.15	+20 18.6	2.648	3.577	6.3	15.4
3 2	8 39.00	+20 38.1	2.727	3.585	9.1	15.6
3 12	8 34.63	+20 49.5	2.830	3.593	11.5	15.7

432582 2010 OV_{104} 2 2.2 275°.12 6°.0/28.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 2	9 24.92	+34 30.1	2.324	3.171	10.6	21.2
1 12	9 18.77	+35 33.2	2.251	3.158	8.2	21.0
1 22	9 10.51	+36 29.8	2.205	3.145	6.4	20.9
2 1	9 0.91	+37 13.1	2.187	3.131	6.1	20.9
2 11	8 51.04	+37 37.9	2.197	3.118	7.8	20.9
2 21	8 42.02	+37 42.1	2.234	3.105	10.2	21.1
3 2	8 34.82	+37 26.4	2.295	3.091	12.7	21.2
3 12	8 30.09	+36 53.7	2.376	3.078	14.9	21.4

171371 2006 LE_7 2 2.2 148°.25 3°.1/30.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 21.74	+24 26.8	2.499	3.349	9.8	20.1
1 12	9 16.21	+25 43.5	2.434	3.354	7.0	19.9
1 22	9 8.99	+27 1.4	2.397	3.359	4.2	19.7
2 1	9 0.74	+28 14.3	2.391	3.363	3.2	19.6
2 11	8 52.31	+29 16.8	2.415	3.368	5.2	19.8
2 21	8 44.56	+30 5.4	2.469	3.372	8.0	20.0
3 2	8 38.27	+30 38.4	2.548	3.376	10.7	20.1
3 12	8 33.98	+30 56.5	2.650	3.379	12.9	20.3

451001 2008 TK_{134} 2 2.2 154°.31 2°.7/31.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 30.16	+22 46.7	1.851	2.698	12.8	22.6
1 12	9 22.50	+23 29.2	1.789	2.708	9.1	22.4
1 22	9 12.50	+24 12.9	1.752	2.717	5.1	22.2
2 1	9 1.11	+24 51.3	1.745	2.724	2.7	22.1
2 11	8 49.64	+25 18.7	1.767	2.732	5.5	22.3
2 21	8 39.33	+25 32.3	1.818	2.738	9.4	22.5
3 2	8 31.22	+25 31.5	1.895	2.743	12.9	22.7
3 12	8 25.93	+25 18.0	1.993	2.748	15.9	23.0

200125 1997 HU 2 2.2 234°.98 2°.2/ 3.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 25.97	+ 9 47.5	1.699	2.531	14.5	21.6
1 12	9 19.83	+10 3.3	1.612	2.519	10.8	21.3
1 22	9 11.24	+10 34.0	1.549	2.508	6.5	21.0
2 1	9 1.00	+11 16.7	1.514	2.495	2.5	20.8
2 11	8 50.32	+12 6.0	1.507	2.482	4.4	20.9
2 21	8 40.50	+12 56.3	1.528	2.468	9.0	21.1
3 2	8 32.68	+13 42.3	1.575	2.454	13.3	21.3
3 12	8 27.68	+14 20.2	1.643	2.440	17.1	21.5

199488 2006 DB_{83} 2 2.2 180°.21 0°.2/ 1.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 22.80	+16 13.1	2.373	3.212	10.7	21.4
1 12	9 16.92	+16 39.8	2.297	3.212	7.6	21.2
1 22	9 9.37	+17 12.4	2.248	3.213	4.1	21.0
2 1	9 0.80	+17 47.4	2.228	3.213	0.4	20.7
2 11	8 52.08	+18 20.8	2.239	3.213	3.4	20.9
2 21	8 44.06	+18 49.2	2.280	3.212	6.9	21.1
3 2	8 37.51	+19 10.4	2.347	3.211	10.1	21.3
3 12	8 32.98	+19 23.4	2.438	3.210	12.8	21.5

340783 2006 SV_{383} 2 2.2 192°.75 5°.3/27.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 24.76	+36 23.2	3.023	3.858	8.7	21.9
1 12	9 18.23	+37 21.9	2.959	3.856	6.9	21.8
1 22	9 10.06	+38 13.7	2.923	3.853	5.5	21.7
2 1	9 0.88	+38 53.3	2.917	3.850	5.4	21.7
2 11	8 51.55	+39 17.1	2.939	3.846	6.6	21.8
2 21	8 42.93	+39 23.7	2.990	3.843	8.5	21.9
3 2	8 35.75	+39 13.8	3.066	3.838	10.4	22.0
3 12	8 30.56	+38 49.7	3.162	3.833	12.1	22.1

170836 2004 FK_{17} 2 2.2 45°.38 1°.9/31.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 20.58	+19 38.6	2.244	3.095	10.7	19.8
1 12	9 15.51	+20 44.8	2.174	3.096	7.6	19.6
1 22	9 8.67	+21 56.3	2.130	3.097	4.1	19.4
2 1	9 0.74	+23 7.3	2.116	3.098	1.9	19.2
2 11	8 52.61	+24 11.9	2.132	3.099	4.4	19.4
2 21	8 45.19	+25 5.7	2.177	3.100	7.9	19.6
3 2	8 39.29	+25 46.0	2.249	3.101	11.0	19.8
3 12	8 35.49	+26 12.3	2.342	3.102	13.6	20.0

461219 2015 VP_{135} 2 2.2 42°.29 0°.4/ 2.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 23.84	+13 5.3	1.179	2.042	17.4	20.5
1 12	9 18.63	+13 48.6	1.133	2.059	12.5	20.3
1 22	9 10.59	+14 47.6	1.110	2.077	6.8	20.0
2 1	9 0.94	+15 54.8	1.110	2.095	1.0	19.7
2 11	8 51.29	+17 0.9	1.137	2.114	5.1	20.0
2 21	8 43.18	+17 57.9	1.189	2.134	10.5	20.4
3 2	8 37.79	+18 41.1	1.263	2.154	15.1	20.7
3 12	8 35.71	+19 8.6	1.356	2.174	18.9	21.0

420934 2013 OO_4 2 2.2 145°.01 2°.8/31.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 26.11	+23 47.7	2.027	2.878	11.7	21.3
1 12	9 19.51	+24 25.8	1.963	2.883	8.3	21.1
1 22	9 10.85	+25 4.3	1.924	2.888	4.8	20.9
2 1	9 0.97	+25 37.6	1.915	2.893	2.8	20.8
2 11	8 50.99	+26 0.6	1.935	2.898	5.3	21.0
2 21	8 41.99	+26 10.8	1.984	2.902	8.8	21.2
3 2	8 34.91	+26 7.7	2.058	2.906	12.0	21.4
3 12	8 30.32	+25 52.5	2.154	2.910	14.8	21.6

235029 2003 FC_6 2 2.2 264°.34 4°.2/31.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 2	9 29.26	+25 26.2	1.484	2.345	14.6	20.5
1 12	9 22.52	+26 6.5	1.413	2.338	10.6	20.3
1 22	9 12.81	+26 46.5	1.367	2.330	6.4	20.0
2 1	9 1.20	+27 17.9	1.346	2.323	4.2	19.9
2 11	8 49.27	+27 33.5	1.354	2.315	7.2	20.0
2 21	8 38.67	+27 30.2	1.387	2.308	11.6	20.2
3 2	8 30.73	+27 8.5	1.444	2.300	15.7	20.5
3 12	8 26.24	+26 31.5	1.519	2.293	19.2	20.7

200611 2001 SS_3 2 2.2 79°.38 0°.2/ 2.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 21.16	+14 3.8	2.221	3.059	11.3	20.2
1 12	9 15.76	+14 43.3	2.160	3.075	8.0	20.0
1 22	9 8.73	+15 31.0	2.126	3.090	4.4	19.8
2 1	9 0.75	+16 22.7	2.121	3.106	0.5	19.5
2 11	8 52.71	+17 13.6	2.146	3.121	3.3	19.8
2 21	8 45.46	+17 59.5	2.200	3.136	7.0	20.0
3 2	8 39.73	+18 37.4	2.282	3.152	10.2	20.2
3 12	8 36.03	+19 5.8	2.386	3.167	12.8	20.4

27836 1994 PQ_{16} 2 2.2 49°.66 1°.5/ 1.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 28.80	+19 39.1	1.240	2.105	16.6	18.0
1 12	9 22.18	+19 52.8	1.187	2.115	11.8	17.7
1 22	9 12.54	+20 11.8	1.157	2.126	6.4	17.4
2 1	9 1.16	+20 29.5	1.153	2.137	1.6	17.2
2 11	8 49.78	+20 39.8	1.174	2.148	5.7	17.5
2 21	8 40.07	+20 39.2	1.221	2.160	11.0	17.8
3 2	8 33.28	+20 27.1	1.291	2.172	15.6	18.1
3 12	8 30.02	+20 4.5	1.380	2.184	19.3	18.4

418307 2008 FV_{53} 2 2.2 347°.39 9°.0/ 7.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 17.88	− 4 30.7	1.344	2.147	19.2	20.3
1 12	9 14.40	− 4 50.0	1.268	2.138	16.0	20.0
1 22	9 8.41	− 4 37.0	1.211	2.130	12.5	19.8
2 1	9 0.74	− 3 49.4	1.175	2.124	9.7	19.6
2 11	8 52.67	− 2 30.3	1.163	2.118	9.1	19.6
2 21	8 45.56	− 0 48.1	1.176	2.114	11.4	19.7
3 2	8 40.62	+ 1 5.8	1.211	2.110	15.0	19.9
3 12	8 38.68	+ 2 59.5	1.266	2.108	18.6	20.1

148894 2001 WX_{34} 2 2.2 194°.87 1°.7/31.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 24.25	+19 53.9	2.236	3.081	11.0	20.9
1 12	9 18.12	+20 43.1	2.160	3.079	7.8	20.7
1 22	9 10.11	+21 36.8	2.110	3.076	4.2	20.4
2 1	9 0.92	+22 29.6	2.091	3.073	1.7	20.3
2 11	8 51.50	+23 16.3	2.102	3.069	4.4	20.4
2 21	8 42.84	+23 53.0	2.142	3.065	7.9	20.6
3 2	8 35.79	+24 17.7	2.209	3.061	11.2	20.8
3 12	8 30.97	+24 30.2	2.298	3.055	13.9	21.0

493866 2015 XL_{79} 2 2.2 217°.81 4°.1/30.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 27.55	+24 21.4	1.679	2.536	13.4	21.9
1 12	9 21.11	+25 36.5	1.607	2.530	9.6	21.7
1 22	9 12.00	+26 54.3	1.561	2.524	5.8	21.4
2 1	9 1.13	+28 5.9	1.542	2.517	4.2	21.3
2 11	8 49.88	+29 2.7	1.553	2.509	7.0	21.5
2 21	8 39.69	+29 39.7	1.590	2.501	11.0	21.7
3 2	8 31.80	+29 55.7	1.651	2.493	14.8	21.9
3 12	8 27.00	+29 52.7	1.731	2.484	18.0	22.1

460011 2014 ON_{120} 2 2.2 251°.39 1°.8/ 1.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 28.11	+20 8.0	1.594	2.449	14.1	21.5
1 12	9 21.54	+20 35.0	1.515	2.438	10.1	21.2
1 22	9 12.25	+21 7.0	1.460	2.427	5.6	20.9
2 1	9 1.16	+21 37.8	1.432	2.416	1.8	20.6
2 11	8 49.69	+22 1.3	1.433	2.404	5.4	20.8
2 21	8 39.30	+22 13.3	1.461	2.392	10.2	21.1
3 2	8 31.25	+22 12.3	1.513	2.380	14.5	21.3
3 12	8 26.35	+21 58.8	1.585	2.368	18.2	21.5

454571 2014 PK_9 2 2.2 259°.72 0°.1/ 2.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 25.56	+14 43.2	1.647	2.494	14.2	21.9
1 12	9 19.73	+15 24.4	1.557	2.476	10.2	21.6
1 22	9 11.31	+16 18.1	1.492	2.458	5.6	21.3
2 1	9 1.07	+17 18.8	1.454	2.439	0.6	20.9
2 11	8 50.29	+18 19.5	1.445	2.420	4.7	21.1
2 21	8 40.32	+19 13.5	1.463	2.400	9.7	21.4
3 2	8 32.45	+19 56.2	1.507	2.380	14.2	21.6
3 12	8 27.54	+20 25.3	1.571	2.360	18.0	21.8

332099 2005 UE_{174} 2 2.2 2°.80 9°.6/ 7.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 22.43	− 7 19.6	1.762	2.522	17.0	20.0
1 12	9 17.13	− 8 22.1	1.687	2.522	14.5	19.9
1 22	9 9.70	− 8 59.8	1.633	2.522	12.0	19.7
2 1	9 0.89	− 9 9.3	1.602	2.522	10.1	19.6
2 11	8 51.80	− 8 50.6	1.596	2.522	9.7	19.6
2 21	8 43.54	− 8 7.7	1.615	2.523	11.1	19.6
3 2	8 37.12	− 7 7.2	1.659	2.524	13.5	19.8
3 12	8 33.21	− 5 57.6	1.723	2.526	16.1	20.0

210450 2619 $P–L$ 2 2.2 138°.78 2°.7/31.0 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 2	9 23.02	+24 57.8	2.480	3.329	9.9	20.0
1 12	9 17.06	+25 32.8	2.413	3.332	7.1	19.8
1 22	9 9.45	+26 7.3	2.373	3.335	4.2	19.7
2 1	9 0.85	+26 36.6	2.362	3.338	2.7	19.6
2 11	8 52.16	+26 56.9	2.382	3.342	4.7	19.7
2 21	8 44.24	+27 6.2	2.431	3.345	7.6	19.9
3 2	8 37.84	+27 3.8	2.506	3.347	10.4	20.1
3 12	8 33.47	+26 50.5	2.604	3.350	12.8	20.3

358528 2007 TR_9 2 2.2 113°.93 0°.7/ 1.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 26.47	+16 39.9	1.678	2.526	13.9	21.3
1 12	9 19.98	+17 20.0	1.619	2.539	9.8	21.1
1 22	9 11.19	+18 8.2	1.584	2.551	5.3	20.9
2 1	9 1.04	+18 58.3	1.578	2.563	0.8	20.6
2 11	8 50.80	+19 44.2	1.600	2.574	4.5	20.9
2 21	8 41.71	+20 20.9	1.651	2.585	9.0	21.2
3 2	8 34.79	+20 45.9	1.727	2.596	12.9	21.4
3 12	8 30.65	+20 58.6	1.823	2.606	16.1	21.7

206251 2002 XE_{47} 2 2.2 63°.53 3°.1/30.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 22.18	+21 50.9	2.058	2.913	11.4	19.3
1 12	9 16.70	+23 33.7	2.011	2.934	8.0	19.1
1 22	9 9.33	+25 19.4	1.991	2.956	4.6	18.9
2 1	9 0.84	+26 59.8	2.001	2.977	3.2	18.9
2 11	8 52.26	+28 27.5	2.042	2.999	5.6	19.1
2 21	8 44.57	+29 37.7	2.112	3.020	8.8	19.3
3 2	8 38.62	+30 28.5	2.207	3.042	11.8	19.6
3 12	8 34.97	+31 0.6	2.323	3.063	14.3	19.8

96823 1999 RK_{181} 2 2.2 37°.25 3°.9/31.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 27.31	+24 15.7	1.335	2.204	15.5	18.0
1 12	9 21.08	+24 54.7	1.283	2.212	11.0	17.8
1 22	9 11.94	+25 33.9	1.255	2.221	6.4	17.5
2 1	9 1.12	+26 5.1	1.251	2.230	3.9	17.4
2 11	8 50.28	+26 21.4	1.275	2.240	7.0	17.6
2 21	8 41.00	+26 19.9	1.323	2.250	11.4	17.9
3 2	8 34.50	+26 1.3	1.395	2.261	15.6	18.1
3 12	8 31.41	+25 28.4	1.485	2.272	19.0	18.4

56769 2000 OE_{28} 2 2.2 214°.83 2°.4/ 4.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 21.80	+ 6 30.1	2.222	3.036	12.2	19.0
1 12	9 16.38	+ 7 8.6	2.134	3.029	9.2	18.8
1 22	9 9.19	+ 8 2.4	2.071	3.023	5.8	18.5
2 1	9 0.85	+ 9 8.7	2.037	3.015	2.7	18.3
2 11	8 52.22	+10 22.6	2.034	3.008	3.7	18.4
2 21	8 44.22	+11 38.4	2.060	3.000	7.1	18.6
3 2	8 37.67	+12 50.8	2.114	2.991	10.5	18.8
3 12	8 33.17	+13 55.5	2.192	2.982	13.5	19.0

94937 2001 YX_{77} 2 2.2 79°.82 0°.1/ 2.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 29.11	+15 24.4	1.434	2.284	15.7	20.1
1 12	9 21.91	+15 53.9	1.391	2.311	11.1	19.9
1 22	9 12.21	+16 32.8	1.371	2.337	6.0	19.7
2 1	9 1.15	+17 15.0	1.377	2.362	0.6	19.4
2 11	8 50.24	+17 53.8	1.413	2.388	4.7	19.7
2 21	8 40.85	+18 24.5	1.475	2.413	9.5	20.1
3 2	8 34.00	+18 44.5	1.562	2.438	13.6	20.4
3 12	8 30.24	+18 53.4	1.669	2.462	17.0	20.7

333926 1999 TL_{297} 2 2.2 270°.37 2°.8/31.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 27.47	+22 30.8	1.592	2.451	13.9	21.0
1 12	9 21.05	+23 2.5	1.519	2.444	10.0	20.7
1 22	9 11.96	+23 36.7	1.470	2.437	5.6	20.4
2 1	9 1.15	+24 6.5	1.448	2.429	2.8	20.2
2 11	8 50.05	+24 25.9	1.455	2.422	5.9	20.4
2 21	8 40.11	+24 31.2	1.488	2.415	10.4	20.6
3 2	8 32.54	+24 21.8	1.545	2.408	14.5	20.9
3 12	8 28.10	+23 59.1	1.622	2.401	18.0	21.1

275478 2011 EN_3 2 2.2 96°.12 0°.4/ 2.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 23.14	+14 0.5	2.066	2.904	12.0	21.1
1 12	9 17.26	+14 28.8	2.004	2.918	8.6	20.9
1 22	9 9.59	+15 5.6	1.968	2.932	4.7	20.7
2 1	9 0.88	+15 46.8	1.961	2.946	0.7	20.4
2 11	8 52.11	+16 27.8	1.984	2.959	3.5	20.7
2 21	8 44.22	+17 4.5	2.036	2.973	7.4	20.9
3 2	8 38.01	+17 34.0	2.114	2.986	10.8	21.2
3 12	8 34.01	+17 54.8	2.215	2.999	13.6	21.4

290312 2005 SL_{191} 2 2.2 163°.24 3°.5/ 5.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 22.29	+ 2 30.1	2.530	3.319	11.6	21.9
1 12	9 16.45	+ 2 54.3	2.450	3.326	9.0	21.8
1 22	9 9.11	+ 3 33.5	2.396	3.332	6.1	21.6
2 1	9 0.84	+ 4 26.1	2.370	3.338	3.8	21.4
2 11	8 52.42	+ 5 28.4	2.376	3.342	4.0	21.5
2 21	8 44.62	+ 6 35.8	2.412	3.347	6.5	21.6
3 2	8 38.12	+ 7 43.5	2.477	3.350	9.3	21.8
3 12	8 33.45	+ 8 47.3	2.566	3.353	11.9	22.0

302044 2000 SD_{341} 2 2.2 189°.08 0°.6/ 2.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 2	9 26.48	+13 19.4	1.997	2.830	12.6	22.1
1 12	9 19.84	+13 45.9	1.919	2.829	9.1	21.9
1 22	9 11.11	+14 22.1	1.865	2.828	5.1	21.6
2 1	9 1.07	+15 4.1	1.841	2.826	1.0	21.3
2 11	8 50.79	+15 47.0	1.848	2.823	3.8	21.5
2 21	8 41.34	+16 26.2	1.883	2.819	7.9	21.8
3 2	8 33.69	+16 58.4	1.946	2.815	11.7	22.0
3 12	8 28.49	+17 21.8	2.031	2.809	14.8	22.2

149488 2003 EJ_{38} 2 2.2 42°.84 0°.7/ 1.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 32.50	+20 33.9	1.729	2.573	13.7	19.3
1 12	9 24.22	+20 2.1	1.658	2.575	9.8	19.1
1 22	9 13.48	+19 30.4	1.613	2.578	5.3	18.8
2 1	9 1.32	+18 55.8	1.596	2.581	0.8	18.5
2 11	8 49.14	+18 16.5	1.610	2.584	4.5	18.8
2 21	8 38.26	+17 32.3	1.653	2.587	9.0	19.1
3 2	8 29.76	+16 44.2	1.722	2.590	13.0	19.3
3 12	8 24.23	+15 53.4	1.813	2.593	16.3	19.5

229114 2004 RE_{89} 2 2.2 99°.54 2°.7/ 4.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 24.36	+ 6 45.2	2.304	3.112	12.0	21.1
1 12	9 17.86	+ 6 57.4	2.248	3.140	9.0	20.9
1 22	9 9.81	+ 7 21.9	2.219	3.168	5.7	20.8
2 1	9 0.92	+ 7 56.2	2.219	3.194	2.9	20.7
2 11	8 52.06	+ 8 36.8	2.249	3.221	3.7	20.7
2 21	8 44.05	+ 9 19.6	2.310	3.246	6.6	21.0
3 2	8 37.57	+10 0.9	2.398	3.271	9.6	21.2
3 12	8 33.09	+10 37.8	2.510	3.296	12.1	21.4

155614 2000 EO_{23} 2 2.2 133°.22 1°.5/ 3.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 26.60	+10 44.9	1.630	2.465	14.9	20.5
1 12	9 20.13	+11 18.1	1.566	2.476	10.8	20.3
1 22	9 11.33	+12 5.8	1.526	2.487	6.2	20.1
2 1	9 1.10	+13 3.1	1.514	2.497	1.8	19.8
2 11	8 50.72	+14 3.6	1.531	2.507	4.2	20.0
2 21	8 41.46	+15 0.8	1.576	2.516	8.8	20.3
3 2	8 34.36	+15 50.0	1.646	2.524	12.9	20.6
3 12	8 30.07	+16 28.3	1.738	2.532	16.4	20.8

95193 2002 BU_{13} 2 2.2 262°.72 1°.9/ 3.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 21.74	+ 9 33.4	1.921	2.753	13.1	19.7
1 12	9 16.53	+ 9 59.3	1.843	2.750	9.7	19.5
1 22	9 9.33	+10 39.0	1.789	2.748	5.8	19.2
2 1	9 0.89	+11 29.3	1.763	2.745	2.2	19.0
2 11	8 52.20	+12 25.0	1.766	2.742	3.8	19.1
2 21	8 44.30	+13 20.8	1.798	2.739	7.8	19.3
3 2	8 38.09	+14 11.9	1.856	2.737	11.6	19.5
3 12	8 34.22	+14 54.8	1.936	2.734	14.8	19.7

57348 2001 QW_{281} 2 2.2 241°.47 2°.0/ 3.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 28.10	+11 42.7	2.196	3.016	12.1	18.3
1 12	9 20.93	+11 21.7	2.098	3.000	9.0	18.1
1 22	9 11.71	+11 8.0	2.027	2.984	5.4	17.8
2 1	9 1.16	+11 0.5	1.986	2.966	2.2	17.6
2 11	8 50.25	+10 56.9	1.975	2.949	3.8	17.7
2 21	8 40.04	+10 55.2	1.995	2.930	7.6	17.9
3 2	8 31.47	+10 53.3	2.043	2.911	11.2	18.1
3 12	8 25.21	+10 49.4	2.113	2.892	14.4	18.2

169278 2001 SE_{222} 2 2.2 183°.94 0°.3/ 1.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 21.23	+16 17.7	2.766	3.602	9.4	21.4
1 12	9 15.67	+16 48.6	2.688	3.602	6.7	21.2
1 22	9 8.68	+17 24.8	2.637	3.602	3.6	21.0
2 1	9 0.82	+18 2.9	2.616	3.601	0.4	20.8
2 11	8 52.82	+18 39.5	2.627	3.600	3.0	21.0
2 21	8 45.40	+19 11.6	2.667	3.599	6.1	21.2
3 2	8 39.21	+19 37.1	2.736	3.597	9.0	21.4
3 12	8 34.73	+19 54.7	2.829	3.595	11.4	21.5

227096 2005 MU_{36} 2 2.2 308°.05 1°.5/ 1.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 25.40	+17 29.7	1.226	2.094	16.6	20.6
1 12	9 20.15	+18 16.3	1.156	2.086	11.9	20.3
1 22	9 11.73	+19 14.8	1.108	2.077	6.5	20.0
2 1	9 1.18	+20 17.1	1.085	2.070	1.5	19.7
2 11	8 50.15	+21 13.8	1.088	2.062	6.1	19.9
2 21	8 40.42	+21 57.2	1.116	2.055	11.7	20.2
3 2	8 33.49	+22 23.4	1.165	2.048	16.8	20.5
3 12	8 30.23	+22 32.1	1.233	2.041	21.0	20.7

504020 2005 NZ_{24} 2 2.2 207°.35 2°.6/ 4.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 21.48	+ 6 38.6	3.043	3.843	9.6	22.5
1 12	9 15.72	+ 6 28.4	2.952	3.837	7.3	22.3
1 22	9 8.68	+ 6 27.1	2.887	3.831	4.8	22.1
2 1	9 0.83	+ 6 33.9	2.853	3.825	2.8	22.0
2 11	8 52.83	+ 6 47.1	2.849	3.818	3.3	22.0
2 21	8 45.30	+ 7 4.5	2.877	3.810	5.6	22.2
3 2	8 38.85	+ 7 23.7	2.933	3.802	8.2	22.3
3 12	8 33.92	+ 7 42.3	3.014	3.794	10.4	22.5

246584 2008 UD_{87} 2 2.2 31°.83 4°.2/31.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 2	9 26.13	+23 22.5	1.145	2.022	16.8	20.3
1 12	9 20.58	+24 20.1	1.098	2.031	12.0	20.1
1 22	9 11.83	+25 20.1	1.073	2.040	6.9	19.8
2 1	9 1.18	+26 12.2	1.072	2.051	4.3	19.7
2 11	8 50.48	+26 47.1	1.096	2.062	7.7	19.9
2 21	8 41.51	+27 0.7	1.144	2.074	12.5	20.2
3 2	8 35.60	+26 53.2	1.213	2.086	17.0	20.5
3 12	8 33.38	+26 27.6	1.300	2.099	20.6	20.8

92366 2000 HL_{41} 2 2.2 259°.98 0°.8/ 2.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 24.21	+11 33.3	1.562	2.406	14.9	20.1
1 12	9 18.84	+12 23.5	1.477	2.393	10.9	19.8
1 22	9 10.87	+13 30.9	1.415	2.379	6.2	19.5
2 1	9 1.10	+14 50.3	1.380	2.365	1.2	19.1
2 11	8 50.80	+16 13.5	1.374	2.350	4.5	19.3
2 21	8 41.37	+17 32.2	1.395	2.336	9.7	19.6
3 2	8 34.06	+18 40.0	1.441	2.321	14.3	19.8
3 12	8 29.74	+19 32.9	1.507	2.305	18.3	20.0

244576 2002 XA_{3} 2 2.2 8°.85 9°.7/ 8.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 18.31	− 8 10.0	1.679	2.445	17.5	19.6
1 12	9 14.25	− 8 55.1	1.610	2.447	14.9	19.4
1 22	9 8.16	− 9 12.2	1.561	2.451	12.3	19.3
2 1	9 0.79	− 8 58.9	1.534	2.456	10.3	19.1
2 11	8 53.21	− 8 16.3	1.531	2.462	9.7	19.1
2 21	8 46.49	− 7 9.9	1.553	2.468	11.0	19.2
3 2	8 41.58	− 5 47.6	1.599	2.476	13.3	19.4
3 12	8 39.11	− 4 18.6	1.665	2.485	15.9	19.5

23256 2000 YK_{17} 2 2.2 32°.94 1°.3/ 1.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 25.10	+18 6.0	1.231	2.100	16.5	18.0
1 12	9 19.59	+18 36.5	1.181	2.110	11.7	17.8
1 22	9 11.20	+19 15.4	1.152	2.121	6.3	17.5
2 1	9 1.12	+19 55.4	1.148	2.133	1.3	17.2
2 11	8 51.00	+20 29.0	1.171	2.145	5.6	17.5
2 21	8 42.41	+20 51.1	1.218	2.158	10.8	17.9
3 2	8 36.56	+20 59.6	1.288	2.172	15.4	18.2
3 12	8 34.08	+20 54.6	1.376	2.186	19.1	18.5

423539 2005 UV_{207} 2 2.2 153°.24 1°.9/ 3.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 23.46	+ 8 53.8	2.392	3.207	11.4	22.6
1 12	9 17.35	+ 9 14.0	2.318	3.217	8.4	22.4
1 22	9 9.63	+ 9 45.2	2.271	3.225	5.1	22.2
2 1	9 0.95	+10 24.8	2.253	3.233	2.2	22.1
2 11	8 52.15	+11 9.0	2.266	3.240	3.3	22.2
2 21	8 44.05	+11 53.8	2.309	3.247	6.6	22.4
3 2	8 37.39	+12 35.7	2.381	3.253	9.7	22.6
3 12	8 32.68	+13 12.1	2.476	3.258	12.4	22.8

355825 2008 TZ_{115} 2 2.2 19°.55 1°.9/ 3.3 15

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 18.60	+ 8 43.5	0.970	1.841	19.7	21.0
1 12	9 15.39	+ 9 43.0	0.922	1.849	14.4	20.8
1 22	9 9.10	+11 9.7	0.893	1.859	8.4	20.5
2 1	9 0.90	+12 55.1	0.887	1.870	2.5	20.2
2 11	8 52.56	+14 45.8	0.905	1.884	5.4	20.4
2 21	8 45.76	+16 28.5	0.945	1.898	11.3	20.8
3 2	8 41.85	+17 53.5	1.008	1.914	16.6	21.1
3 12	8 41.50	+18 55.9	1.088	1.931	20.9	21.4

271302 2003 UA_{337} 2 2.2 245°.64 1°.8/ 3.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 21.52	+ 9 53.8	2.116	2.944	12.2	21.4
1 12	9 16.24	+10 14.1	2.034	2.939	9.0	21.2
1 22	9 9.15	+10 46.5	1.977	2.935	5.4	21.0
2 1	9 0.91	+11 28.1	1.948	2.930	2.0	20.7
2 11	8 52.44	+12 14.8	1.949	2.925	3.6	20.8
2 21	8 44.66	+13 1.8	1.979	2.920	7.3	21.0
3 2	8 38.42	+13 45.2	2.036	2.915	10.8	21.2
3 12	8 34.33	+14 21.8	2.116	2.909	13.8	21.4

261382 2005 UB_{370} 2 2.2 27°.10 0°.6/ 1.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 22.92	+16 18.9	1.771	2.622	13.1	21.0
1 12	9 17.50	+17 0.5	1.702	2.623	9.3	20.8
1 22	9 9.92	+17 50.7	1.658	2.625	5.0	20.5
2 1	9 0.99	+18 44.3	1.641	2.626	0.7	20.2
2 11	8 51.86	+19 34.9	1.654	2.628	4.3	20.5
2 21	8 43.67	+20 17.5	1.694	2.629	8.7	20.7
3 2	8 37.41	+20 48.8	1.759	2.631	12.6	21.0
3 12	8 33.73	+21 7.6	1.845	2.633	15.8	21.2

156523 2002 CL_{249} 2 2.2 1°.78 1°.5/ 3.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 21.60	+11 50.3	1.536	2.385	14.9	19.8
1 12	9 16.78	+12 3.4	1.467	2.384	10.8	19.6
1 22	9 9.61	+12 30.0	1.421	2.384	6.3	19.3
2 1	9 0.96	+13 6.5	1.401	2.384	1.9	19.0
2 11	8 52.09	+13 47.2	1.408	2.385	4.3	19.2
2 21	8 44.26	+14 26.8	1.442	2.386	9.0	19.5
3 2	8 38.52	+15 0.4	1.500	2.389	13.3	19.7
3 12	8 35.57	+15 25.2	1.578	2.392	16.9	20.0

362176 2009 FP_{21} 2 2.2 209°.75 0°.6/ 1.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 2	9 24.72	+15 52.0	1.920	2.764	12.6	21.5
1 12	9 18.74	+16 39.5	1.842	2.759	9.0	21.2
1 22	9 10.60	+17 36.3	1.788	2.754	4.9	21.0
2 1	9 1.08	+18 36.8	1.764	2.749	0.7	20.6
2 11	8 51.25	+19 34.9	1.769	2.742	4.2	20.9
2 21	8 42.24	+20 25.2	1.803	2.736	8.5	21.1
3 2	8 35.06	+21 4.4	1.863	2.729	12.3	21.4
3 12	8 30.38	+21 30.9	1.945	2.721	15.5	21.6

82358 2001 MU_5 2 2.2 249°.04 4°.3/30.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 27.18	+23 41.9	1.499	2.362	14.4	18.6
1 12	9 21.16	+25 0.6	1.426	2.352	10.4	18.3
1 22	9 12.21	+26 23.9	1.378	2.342	6.2	18.0
2 1	9 1.27	+27 41.9	1.356	2.332	4.4	17.9
2 11	8 49.84	+28 44.5	1.362	2.321	7.5	18.0
2 21	8 39.54	+29 25.8	1.394	2.311	11.9	18.3
3 2	8 31.76	+29 44.1	1.450	2.300	16.0	18.5
3 12	8 27.36	+29 41.4	1.523	2.288	19.6	18.7

456408 2006 UP_{247} 2 2.2 100°.87 8°.2/ 8.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 23.05	− 6 27.0	1.832	2.593	16.4	21.3
1 12	9 17.44	− 6 54.8	1.764	2.604	13.7	21.1
1 22	9 9.83	− 6 57.1	1.717	2.614	10.9	20.9
2 1	9 0.99	− 6 32.6	1.694	2.625	8.8	20.8
2 11	8 51.99	− 5 43.6	1.698	2.635	8.3	20.8
2 21	8 43.88	− 4 35.6	1.728	2.645	9.9	20.9
3 2	8 37.58	− 3 16.1	1.783	2.655	12.4	21.1
3 12	8 33.68	− 1 53.2	1.861	2.665	15.1	21.3

375243 2008 GF_{32} 2 2.2 261°.30 2°.2/31.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 23.94	+20 8.0	1.938	2.791	12.1	21.6
1 12	9 18.31	+21 7.0	1.853	2.775	8.6	21.3
1 22	9 10.44	+22 12.4	1.793	2.760	4.8	21.1
2 1	9 1.07	+23 17.8	1.762	2.744	2.2	20.9
2 11	8 51.29	+24 16.3	1.760	2.727	5.1	21.0
2 21	8 42.26	+25 2.8	1.787	2.711	9.2	21.2
3 2	8 35.04	+25 34.2	1.839	2.694	12.9	21.4
3 12	8 30.39	+25 50.4	1.912	2.677	16.1	21.6

220341 2003 GY_{20} 2 2.2 297°.84 5°.2/30.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 26.63	+28 56.7	1.734	2.593	13.0	19.9
1 12	9 20.51	+29 47.3	1.656	2.577	9.6	19.7
1 22	9 11.74	+30 35.0	1.603	2.561	6.4	19.5
2 1	9 1.21	+31 11.6	1.577	2.545	5.3	19.4
2 11	8 50.32	+31 30.6	1.579	2.529	7.7	19.5
2 21	8 40.48	+31 28.8	1.607	2.513	11.3	19.6
3 2	8 32.93	+31 6.7	1.658	2.497	14.9	19.8
3 12	8 28.46	+30 27.6	1.729	2.482	18.0	20.0

45804 2000 QP_2 2 2.2 152°.30 1°.3/ 3.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 25.19	+10 34.2	1.750	2.584	14.1	19.8
1 12	9 19.10	+11 14.0	1.681	2.591	10.3	19.6
1 22	9 10.79	+12 8.1	1.636	2.597	5.9	19.3
2 1	9 1.11	+13 11.9	1.619	2.602	1.7	19.0
2 11	8 51.23	+14 18.8	1.631	2.607	4.0	19.2
2 21	8 42.31	+15 22.6	1.672	2.612	8.4	19.5
3 2	8 35.36	+16 18.3	1.739	2.615	12.4	19.7
3 12	8 31.04	+17 2.7	1.827	2.619	15.8	20.0

136390 2004 HA_{41} 2 2.2 32°.32 3°.6/ 5.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 19.66	+ 3 56.1	2.267	3.073	12.3	19.7
1 12	9 14.78	+ 4 2.3	2.189	3.074	9.4	19.6
1 22	9 8.31	+ 4 23.5	2.135	3.076	6.4	19.4
2 1	9 0.85	+ 4 58.2	2.109	3.078	4.0	19.2
2 11	8 53.24	+ 5 43.3	2.112	3.081	4.3	19.2
2 21	8 46.27	+ 6 34.3	2.144	3.083	6.9	19.4
3 2	8 40.70	+ 7 26.9	2.204	3.085	10.0	19.6
3 12	8 37.04	+ 8 16.7	2.286	3.088	12.7	19.8

199681 2006 HQ_{12} 2 2.2 60°.23 0°.9/ 1.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 23.36	+18 1.0	1.937	2.786	12.2	20.5
1 12	9 17.64	+18 30.5	1.870	2.791	8.7	20.3
1 22	9 9.93	+19 5.6	1.829	2.796	4.7	20.0
2 1	9 1.03	+19 41.7	1.816	2.800	1.0	19.8
2 11	8 52.00	+20 13.8	1.832	2.805	4.1	20.0
2 21	8 43.88	+20 38.3	1.877	2.810	8.2	20.3
3 2	8 37.59	+20 53.0	1.947	2.815	11.7	20.5
3 12	8 33.69	+20 57.3	2.039	2.820	14.7	20.7

495728 2016 CS_{226} 2 2.2 166°.18 4°.3/30.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 26.61	+27 15.4	2.019	2.871	11.7	21.8
1 12	9 20.04	+28 18.5	1.956	2.874	8.5	21.6
1 22	9 11.28	+29 19.8	1.919	2.877	5.5	21.5
2 1	9 1.19	+30 12.2	1.911	2.880	4.4	21.4
2 11	8 50.92	+30 49.7	1.932	2.882	6.5	21.5
2 21	8 41.64	+31 9.4	1.981	2.884	9.7	21.7
3 2	8 34.34	+31 11.1	2.055	2.885	12.8	21.9
3 12	8 29.65	+30 57.2	2.150	2.886	15.4	22.1

467911 2011 KK_{47} 2 2.2 224°.06 0°.8/ 1.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 2	9 22.00	+17 50.0	2.639	3.478	9.7	22.4
1 12	9 16.37	+18 25.8	2.552	3.468	6.9	22.2
1 22	9 9.17	+19 6.6	2.493	3.459	3.7	22.0
2 1	9 0.96	+19 48.5	2.464	3.448	0.8	21.8
2 11	8 52.54	+20 27.6	2.466	3.438	3.4	22.0
2 21	8 44.68	+21 0.8	2.498	3.427	6.7	22.2
3 2	8 38.12	+21 25.7	2.558	3.415	9.7	22.3
3 12	8 33.38	+21 41.5	2.642	3.404	12.2	22.5

418337 2008 GS_{16} 2 2.2 144°.24 5°.2/ 6.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 22.53	− 0 48.7	2.155	2.936	13.6	21.9
1 12	9 16.86	− 0 46.0	2.080	2.945	10.9	21.7
1 22	9 9.46	− 0 24.1	2.029	2.952	7.9	21.5
2 1	9 1.01	+ 0 16.2	2.004	2.960	5.6	21.4
2 11	8 52.39	+ 1 11.6	2.009	2.967	5.5	21.4
2 21	8 44.52	+ 2 17.1	2.042	2.973	7.7	21.6
3 2	8 38.17	+ 3 26.9	2.103	2.979	10.6	21.8
3 12	8 33.90	+ 4 35.3	2.187	2.985	13.3	21.9

129709 1998 SW_{157} 2 2.2 61°.72 1°.8/ 3.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 22.78	+10 42.9	1.909	2.742	13.1	20.0
1 12	9 17.15	+10 52.1	1.846	2.755	9.6	19.8
1 22	9 9.64	+11 12.8	1.808	2.768	5.6	19.6
2 1	9 1.02	+11 42.0	1.799	2.780	2.1	19.3
2 11	8 52.34	+12 15.5	1.818	2.793	3.7	19.5
2 21	8 44.58	+12 49.0	1.865	2.806	7.6	19.7
3 2	8 38.59	+13 19.0	1.939	2.820	11.1	20.0
3 12	8 34.90	+13 42.7	2.035	2.833	14.2	20.2

423864 2006 RJ_{15} 2 2.2 103°.44 6°.4/28.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 30.35	+38 5.6	2.382	3.215	10.8	20.8
1 12	9 22.42	+38 37.9	2.326	3.220	8.6	20.7
1 22	9 12.44	+38 59.0	2.295	3.225	6.8	20.6
2 1	9 1.33	+39 3.1	2.293	3.229	6.5	20.5
2 11	8 50.28	+38 47.2	2.320	3.234	7.8	20.6
2 21	8 40.41	+38 11.2	2.374	3.238	9.9	20.8
3 2	8 32.60	+37 17.9	2.453	3.243	12.2	20.9
3 12	8 27.39	+36 11.6	2.553	3.247	14.2	21.1

39632 1994 UL 2 2.2 92°.79 5°.2/29.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 26.18	+30 30.9	2.079	2.931	11.4	18.7
1 12	9 19.62	+31 41.8	2.034	2.948	8.5	18.6
1 22	9 10.99	+32 47.4	2.015	2.965	5.9	18.4
2 1	9 1.17	+33 40.5	2.024	2.982	5.3	18.4
2 11	8 51.34	+34 15.7	2.062	2.999	7.2	18.6
2 21	8 42.59	+34 31.1	2.128	3.015	9.9	18.8
3 2	8 35.82	+34 27.5	2.218	3.032	12.5	19.0
3 12	8 31.59	+34 7.8	2.328	3.048	14.8	19.2

279533 2011 BA_{58} 2 2.2 203°.05 0°.6/ 1.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 23.17	+16 37.8	2.363	3.202	10.7	21.4
1 12	9 17.32	+17 18.1	2.282	3.198	7.6	21.2
1 22	9 9.74	+18 5.0	2.228	3.194	4.1	20.9
2 1	9 1.05	+18 54.1	2.204	3.188	0.6	20.7
2 11	8 52.14	+19 40.7	2.210	3.183	3.6	20.9
2 21	8 43.90	+20 21.1	2.246	3.177	7.2	21.1
3 2	8 37.12	+20 52.6	2.310	3.171	10.4	21.3
3 12	8 32.38	+21 14.0	2.396	3.164	13.2	21.5

421587 2014 OT_{198} 2 2.2 110°.53 6°.3/ 6.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 22.93	− 1 52.9	1.914	2.696	15.1	20.9
1 12	9 17.30	− 2 6.2	1.843	2.706	12.1	20.7
1 22	9 9.76	− 1 57.9	1.796	2.715	9.1	20.6
2 1	9 1.05	− 1 28.3	1.774	2.725	6.7	20.4
2 11	8 52.19	− 0 40.2	1.780	2.734	6.5	20.4
2 21	8 44.18	+ 0 21.1	1.813	2.743	8.7	20.6
3 2	8 37.89	+ 1 29.1	1.873	2.751	11.6	20.8
3 12	8 33.90	+ 2 37.3	1.955	2.760	14.4	21.0

107425 2001 DF_{12} 2 2.2 221°.81 1°.6/ 1.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 25.98	+19 25.6	1.994	2.840	12.1	20.0
1 12	9 19.65	+20 9.0	1.912	2.832	8.6	19.8
1 22	9 11.14	+20 57.8	1.857	2.823	4.7	19.5
2 1	9 1.21	+21 46.6	1.830	2.813	1.6	19.3
2 11	8 50.97	+22 29.5	1.833	2.803	4.6	19.5
2 21	8 41.54	+23 2.2	1.866	2.792	8.7	19.7
3 2	8 33.93	+23 22.4	1.924	2.781	12.3	19.9
3 12	8 28.85	+23 30.0	2.003	2.769	15.5	20.1

199149 2005 YV_{145} 2 2.2 58°.28 2°.1/ 1.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 28.82	+20 43.1	1.358	2.220	15.7	20.5
1 12	9 22.20	+21 5.9	1.298	2.225	11.2	20.2
1 22	9 12.66	+21 33.0	1.262	2.229	6.1	19.9
2 1	9 1.37	+21 57.2	1.251	2.234	2.1	19.7
2 11	8 49.96	+22 12.4	1.268	2.239	5.8	19.9
2 21	8 40.02	+22 15.0	1.310	2.245	10.8	20.2
3 2	8 32.81	+22 4.4	1.376	2.250	15.3	20.5
3 12	8 29.02	+21 41.8	1.461	2.255	18.9	20.8

402555 2006 MU_5 2 2.2 172°.84 0°.9/ 1.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 2	9 25.81	+17 26.8	2.099	2.940	11.8	21.8
1 12	9 19.32	+18 10.8	2.027	2.944	8.4	21.6
1 22	9 10.86	+19 1.2	1.981	2.947	4.5	21.3
2 1	9 1.18	+19 52.8	1.964	2.949	1.0	21.1
2 11	8 51.30	+20 40.3	1.979	2.950	4.1	21.3
2 21	8 42.26	+21 19.3	2.022	2.951	7.9	21.5
3 2	8 34.96	+21 47.6	2.093	2.951	11.4	21.8
3 12	8 30.01	+22 4.3	2.185	2.951	14.3	22.0

376031 2010 CF_{22} 2 2.2 353°.08 3°.1/31.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 22.34	+22 52.3	1.674	2.538	13.1	20.5
1 12	9 17.30	+23 39.1	1.607	2.534	9.3	20.3
1 22	9 9.92	+24 28.7	1.564	2.531	5.3	20.0
2 1	9 1.08	+25 14.2	1.549	2.528	3.1	19.9
2 11	8 52.01	+25 49.1	1.561	2.526	5.9	20.0
2 21	8 43.98	+26 9.4	1.599	2.524	9.9	20.3
3 2	8 38.05	+26 13.7	1.662	2.524	13.7	20.5
3 12	8 34.90	+26 3.0	1.744	2.524	16.9	20.7

153527 2001 SM_{47} 2 2.2 158°.33 4°.6/30.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 30.27	+26 52.7	1.720	2.574	13.3	19.8
1 12	9 22.91	+27 54.9	1.661	2.580	9.7	19.6
1 22	9 12.95	+28 55.4	1.626	2.586	6.1	19.4
2 1	9 1.42	+29 45.4	1.620	2.591	4.7	19.3
2 11	8 49.73	+30 18.3	1.643	2.595	7.1	19.5
2 21	8 39.31	+30 30.9	1.693	2.599	10.8	19.7
3 2	8 31.30	+30 24.0	1.766	2.603	14.3	19.9
3 12	8 26.37	+30 0.7	1.860	2.605	17.2	20.1

424766 2008 TC_{80} 2 2.2 166°.11 1°.3/ 1.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 23.28	+19 10.5	2.184	3.031	11.2	21.3
1 12	9 17.47	+19 47.9	2.113	3.033	7.9	21.1
1 22	9 9.83	+20 29.7	2.068	3.034	4.3	20.9
2 1	9 1.08	+21 11.3	2.052	3.036	1.3	20.7
2 11	8 52.16	+21 48.0	2.066	3.037	4.1	20.9
2 21	8 44.03	+22 16.2	2.110	3.038	7.7	21.1
3 2	8 37.53	+22 33.9	2.179	3.039	11.0	21.3
3 12	8 33.23	+22 41.0	2.271	3.039	13.8	21.5

35608 1998 HX_{127} 2 2.2 217°.68 1°.7/ 1.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 24.78	+20 43.3	2.233	3.079	11.0	19.9
1 12	9 18.57	+21 15.4	2.154	3.073	7.8	19.7
1 22	9 10.46	+21 50.6	2.101	3.067	4.3	19.4
2 1	9 1.15	+22 24.2	2.077	3.060	1.7	19.2
2 11	8 51.62	+22 51.8	2.084	3.053	4.3	19.4
2 21	8 42.85	+23 10.2	2.120	3.045	7.9	19.6
3 2	8 35.73	+23 18.0	2.182	3.037	11.2	19.8
3 12	8 30.84	+23 15.2	2.267	3.029	14.0	20.0

324443 2006 TJ_{54} 2 2.2 64°.48 0°.5/ 2.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 26.32	+14 36.0	1.555	2.403	14.8	20.9
1 12	9 19.93	+14 49.3	1.503	2.422	10.6	20.7
1 22	9 11.23	+15 12.2	1.475	2.440	5.8	20.4
2 1	9 1.23	+15 40.0	1.474	2.459	0.9	20.1
2 11	8 51.25	+16 7.6	1.501	2.477	4.3	20.4
2 21	8 42.55	+16 30.7	1.555	2.496	8.9	20.7
3 2	8 36.12	+16 46.4	1.635	2.515	12.9	21.0
3 12	8 32.52	+16 53.5	1.735	2.533	16.2	21.3

433036 2012 SE_{25} 2 2.2 181°.12 2°.6/ 4.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 20.22	+ 6 3.3	2.526	3.334	11.1	21.3
1 12	9 15.08	+ 6 22.1	2.444	3.334	8.4	21.1
1 22	9 8.46	+ 6 53.5	2.387	3.335	5.4	20.9
2 1	9 0.93	+ 7 35.6	2.360	3.335	2.9	20.8
2 11	8 53.23	+ 8 24.9	2.363	3.334	3.5	20.8
2 21	8 46.11	+ 9 17.5	2.395	3.334	6.3	21.0
3 2	8 40.25	+10 9.3	2.456	3.333	9.2	21.2
3 12	8 36.16	+10 56.9	2.541	3.332	11.9	21.4

264088 2009 SL_{255} 2 2.2 161°.44 4°.1/29.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 25.41	+26 47.1	2.265	3.115	10.7	20.9
1 12	9 19.05	+28 7.6	2.203	3.121	7.7	20.7
1 22	9 10.73	+29 27.2	2.169	3.126	5.0	20.6
2 1	9 1.19	+30 39.0	2.164	3.131	4.2	20.5
2 11	8 51.44	+31 36.7	2.189	3.135	6.2	20.7
2 21	8 42.52	+32 17.1	2.243	3.139	9.1	20.8
3 2	8 35.32	+32 39.2	2.323	3.142	11.9	21.0
3 12	8 30.46	+32 44.7	2.423	3.144	14.2	21.2

62231 2000 SQ_{71} 2 2.2 96°.25 1°.5/ 3.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 22.50	+10 14.9	1.916	2.748	13.1	19.5
1 12	9 17.02	+10 48.4	1.849	2.758	9.6	19.3
1 22	9 9.62	+11 34.9	1.807	2.767	5.6	19.0
2 1	9 1.06	+12 30.6	1.793	2.776	1.8	18.8
2 11	8 52.37	+13 29.8	1.809	2.785	3.7	19.0
2 21	8 44.54	+14 27.1	1.853	2.794	7.7	19.2
3 2	8 38.46	+15 18.1	1.924	2.803	11.3	19.5
3 12	8 34.69	+15 59.7	2.017	2.811	14.4	19.7

30487 Dominikovacs 2 2.2 105°.47 0°.0/ 2.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 2	9 21.80	+15 26.9	2.515	3.351	10.2	19.5
1 12	9 16.13	+15 52.5	2.451	3.365	7.3	19.3
1 22	9 8.99	+16 23.9	2.414	3.378	3.9	19.1
2 1	9 0.99	+16 57.8	2.407	3.392	0.4	18.9
2 11	8 52.94	+17 30.6	2.431	3.405	3.1	19.1
2 21	8 45.60	+17 59.3	2.484	3.418	6.4	19.3
3 2	8 39.63	+18 21.6	2.565	3.431	9.3	19.5
3 12	8 35.51	+18 36.5	2.670	3.444	11.8	19.7

322134 2010 VS_{183} 2 2.2 130°.88 3°.8/30.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 24.18	+22 51.9	1.791	2.650	12.6	20.1
1 12	9 18.56	+24 29.1	1.729	2.653	9.0	19.9
1 22	9 10.62	+26 10.5	1.693	2.657	5.3	19.7
2 1	9 1.19	+27 46.8	1.686	2.660	3.9	19.6
2 11	8 51.48	+29 9.4	1.707	2.664	6.5	19.8
2 21	8 42.73	+30 12.4	1.757	2.667	10.3	20.0
3 2	8 36.02	+30 53.8	1.830	2.670	13.7	20.2
3 12	8 32.05	+31 14.8	1.924	2.672	16.6	20.4

415943 2001 WM_{54} 2 2.2 135°.89 3°.9/30.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 27.23	+27 8.0	2.178	3.026	11.1	21.5
1 12	9 20.28	+28 3.1	2.122	3.039	8.0	21.3
1 22	9 11.35	+28 55.8	2.092	3.051	5.1	21.2
2 1	9 1.27	+29 39.9	2.092	3.062	3.9	21.1
2 11	8 51.11	+30 10.3	2.122	3.073	5.9	21.2
2 21	8 41.95	+30 24.8	2.180	3.083	8.9	21.4
3 2	8 34.67	+30 23.4	2.264	3.092	11.8	21.6
3 12	8 29.81	+30 8.2	2.369	3.101	14.2	21.8

281053 2006 JD_{12} 2 2.2 98°.79 3°.7/ 5.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 20.74	+ 3 40.0	2.196	3.001	12.6	20.8
1 12	9 15.58	+ 3 53.0	2.124	3.009	9.7	20.7
1 22	9 8.78	+ 4 21.8	2.075	3.016	6.6	20.5
2 1	9 0.99	+ 5 4.8	2.054	3.024	4.0	20.3
2 11	8 53.06	+ 5 58.0	2.063	3.032	4.3	20.4
2 21	8 45.84	+ 6 56.7	2.100	3.039	7.1	20.5
3 2	8 40.08	+ 7 56.0	2.165	3.046	10.1	20.7
3 12	8 36.32	+ 8 51.5	2.254	3.054	12.9	20.9

203140 2000 UT_{21} 2 2.2 90°.26 1°.1/ 1.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 27.39	+16 59.7	1.564	2.415	14.5	20.4
1 12	9 20.74	+17 51.1	1.515	2.436	10.3	20.2
1 22	9 11.70	+18 50.5	1.490	2.457	5.5	20.0
2 1	9 1.31	+19 50.8	1.493	2.478	1.1	19.7
2 11	8 50.93	+20 44.6	1.525	2.498	4.8	20.0
2 21	8 41.85	+21 26.9	1.585	2.518	9.4	20.3
3 2	8 35.11	+21 55.3	1.669	2.537	13.3	20.6
3 12	8 31.26	+22 9.6	1.774	2.556	16.5	20.9

431450 2007 RF_{174} 2 2.2 131°.67 0°.8/ 1.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 22.02	+17 46.5	2.434	3.276	10.3	21.7
1 12	9 16.41	+18 25.6	2.367	3.284	7.3	21.5
1 22	9 9.20	+19 9.7	2.326	3.292	3.9	21.3
2 1	9 1.04	+19 54.5	2.315	3.299	0.9	21.1
2 11	8 52.78	+20 35.8	2.335	3.306	3.5	21.3
2 21	8 45.22	+21 10.2	2.384	3.313	6.9	21.5
3 2	8 39.09	+21 35.6	2.460	3.320	9.9	21.7
3 12	8 34.90	+21 51.3	2.560	3.326	12.4	21.9

109294 2001 QN_{124} 2 2.2 230°.90 1°.3/ 1.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 24.57	+18 8.1	1.890	2.739	12.5	20.2
1 12	9 18.72	+18 51.6	1.812	2.733	8.9	20.0
1 22	9 10.67	+19 42.1	1.760	2.726	4.8	19.7
2 1	9 1.22	+20 34.0	1.736	2.720	1.3	19.4
2 11	8 51.47	+21 21.2	1.741	2.713	4.5	19.7
2 21	8 42.58	+21 59.0	1.775	2.706	8.7	19.9
3 2	8 35.55	+22 24.8	1.834	2.698	12.5	20.1
3 12	8 31.08	+22 37.8	1.915	2.691	15.7	20.3

310967 2003 UK_{139} 2 2.2 138°.32 3°.0/31.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 27.31	+22 34.8	1.889	2.740	12.4	21.4
1 12	9 20.56	+23 38.0	1.830	2.751	8.8	21.2
1 22	9 11.60	+24 43.5	1.797	2.762	5.0	21.0
2 1	9 1.31	+25 44.0	1.794	2.772	3.0	20.9
2 11	8 50.90	+26 33.1	1.820	2.781	5.6	21.1
2 21	8 41.55	+27 6.8	1.874	2.790	9.3	21.3
3 2	8 34.25	+27 24.1	1.953	2.799	12.7	21.5
3 12	8 29.60	+27 26.2	2.054	2.807	15.5	21.8

204636 2005 YW_{201} 2 2.2 235°.56 0°.0/ 2.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 26.71	+14 59.4	1.756	2.599	13.6	21.2
1 12	9 20.44	+15 31.8	1.671	2.587	9.8	20.9
1 22	9 11.72	+16 14.5	1.609	2.574	5.4	20.6
2 1	9 1.35	+17 2.8	1.576	2.561	0.6	20.2
2 11	8 50.55	+17 50.4	1.572	2.547	4.3	20.5
2 21	8 40.60	+18 32.0	1.597	2.533	9.1	20.7
3 2	8 32.66	+19 3.9	1.647	2.518	13.3	21.0
3 12	8 27.51	+19 24.3	1.718	2.502	16.9	21.2

468162 2014 WA_{355} 2 2.2 312°.49 2°.3/ 4.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 2	9 19.38	+ 6 38.5	1.855	2.683	13.7	20.8
1 12	9 15.08	+ 7 33.0	1.765	2.668	10.3	20.5
1 22	9 8.74	+ 8 47.5	1.698	2.654	6.4	20.3
2 1	9 1.02	+10 18.1	1.659	2.640	2.7	20.0
2 11	8 52.90	+11 58.1	1.649	2.626	4.0	20.0
2 21	8 45.44	+13 39.3	1.668	2.612	8.1	20.3
3 2	8 39.63	+15 14.4	1.714	2.599	12.1	20.5
3 12	8 36.18	+16 37.6	1.782	2.586	15.6	20.7

424695 2008 SU_{19} 2 2.2 172°.92 1°.1/ 1.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 25.84	+19 41.6	2.167	3.010	11.4	21.8
1 12	9 19.28	+19 55.2	2.094	3.012	8.1	21.6
1 22	9 10.82	+20 11.7	2.047	3.013	4.4	21.3
2 1	9 1.24	+20 27.3	2.030	3.014	1.1	21.1
2 11	8 51.52	+20 38.2	2.043	3.015	4.0	21.3
2 21	8 42.68	+20 42.0	2.085	3.015	7.7	21.5
3 2	8 35.55	+20 37.7	2.154	3.015	11.0	21.8
3 12	8 30.71	+20 25.3	2.245	3.015	13.9	21.9

38829 2000 RQ_{96} 2 2.2 194°.30 0°.2/ 2.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 27.92	+15 37.8	1.764	2.606	13.6	19.3
1 12	9 21.13	+15 49.6	1.689	2.605	9.8	19.1
1 22	9 11.99	+16 9.3	1.638	2.603	5.4	18.8
2 1	9 1.38	+16 32.6	1.616	2.601	0.7	18.4
2 11	8 50.52	+16 55.0	1.623	2.598	4.2	18.7
2 21	8 40.67	+17 12.6	1.658	2.595	8.7	19.0
3 2	8 32.91	+17 22.9	1.719	2.591	12.8	19.2
3 12	8 27.90	+17 24.9	1.802	2.587	16.2	19.4

328527 2009 QV_{58} 2 2.2 252°.16 2°.0/31.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 24.96	+20 46.9	1.862	2.715	12.5	21.3
1 12	9 19.00	+21 24.3	1.788	2.710	8.9	21.0
1 22	9 10.82	+22 5.8	1.739	2.706	4.9	20.8
2 1	9 1.25	+22 45.6	1.719	2.701	2.0	20.6
2 11	8 51.43	+23 18.0	1.728	2.697	5.0	20.8
2 21	8 42.54	+23 39.2	1.764	2.692	9.0	21.0
3 2	8 35.60	+23 47.6	1.826	2.687	12.7	21.2
3 12	8 31.28	+23 43.4	1.909	2.682	15.8	21.4

288899 2004 RR_{308} 2 2.2 90°.86 2°.7/31.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 32.91	+23 3.6	1.542	2.394	14.7	20.7
1 12	9 24.61	+23 26.1	1.497	2.418	10.4	20.5
1 22	9 13.75	+23 48.4	1.476	2.442	5.8	20.2
2 1	9 1.55	+24 4.1	1.484	2.465	2.7	20.1
2 11	8 49.55	+24 8.2	1.520	2.487	5.7	20.3
2 21	8 39.17	+23 59.2	1.583	2.509	10.0	20.6
3 2	8 31.45	+23 37.9	1.672	2.531	13.8	20.9
3 12	8 26.90	+23 6.6	1.780	2.552	16.9	21.2

416910 2005 RV_{43} 2 2.2 168°.50 1°.6/31.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 25.13	+20 4.9	2.325	3.167	10.7	21.7
1 12	9 18.72	+20 50.8	2.254	3.172	7.6	21.5
1 22	9 10.51	+21 40.3	2.211	3.176	4.1	21.3
2 1	9 1.21	+22 28.4	2.197	3.180	1.6	21.1
2 11	8 51.75	+23 10.3	2.215	3.183	4.2	21.3
2 21	8 43.06	+23 42.5	2.262	3.185	7.6	21.5
3 2	8 35.97	+24 3.5	2.336	3.186	10.7	21.7
3 12	8 31.02	+24 12.9	2.433	3.187	13.3	21.9

26995 1997 XS_{11} 2 2.2 46°.55 3°.2/ 4.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 22.13	+ 7 0.1	2.108	2.925	12.6	18.4
1 12	9 16.64	+ 6 49.0	2.034	2.929	9.6	18.2
1 22	9 9.39	+ 6 50.6	1.985	2.933	6.2	18.0
2 1	9 1.09	+ 7 3.6	1.963	2.937	3.5	17.8
2 11	8 52.64	+ 7 25.2	1.971	2.942	4.2	17.9
2 21	8 44.95	+ 7 52.0	2.007	2.946	7.3	18.1
3 2	8 38.83	+ 8 20.1	2.070	2.951	10.5	18.3
3 12	8 34.82	+ 8 46.3	2.156	2.955	13.4	18.5

209449 2004 FL_{138} 2 2.2 314°.05 5°.4/28.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 21.65	+28 46.2	2.004	2.864	11.4	19.4
1 12	9 16.82	+30 25.0	1.928	2.848	8.5	19.2
1 22	9 9.75	+32 4.0	1.879	2.833	6.0	19.0
2 1	9 1.15	+33 34.4	1.858	2.817	5.6	18.9
2 11	8 52.12	+34 48.0	1.866	2.802	7.8	19.0
2 21	8 43.83	+35 39.9	1.900	2.788	10.9	19.2
3 2	8 37.38	+36 8.8	1.958	2.773	13.9	19.4
3 12	8 33.52	+36 16.2	2.035	2.759	16.5	19.5

337034 1995 SH_{76} 2 2.2 99°.13 1°.4/ 3.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 20.38	+10 20.8	2.353	3.179	11.2	21.6
1 12	9 15.29	+10 46.0	2.279	3.184	8.2	21.4
1 22	9 8.62	+11 21.7	2.231	3.189	4.8	21.2
2 1	9 1.02	+12 5.0	2.212	3.194	1.7	21.0
2 11	8 53.27	+12 51.8	2.223	3.199	3.2	21.1
2 21	8 46.19	+13 38.1	2.263	3.203	6.5	21.3
3 2	8 40.48	+14 20.4	2.331	3.208	9.7	21.5
3 12	8 36.67	+14 56.0	2.423	3.212	12.4	21.7

283950 2004 PL_{103} 2 2.2 111°.96 1°.6/ 1.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 2	9 30.93	+20 10.7	1.695	2.542	13.8	20.4
1 12	9 23.12	+20 34.2	1.642	2.561	9.8	20.2
1 22	9 12.96	+21 0.8	1.614	2.580	5.3	19.9
2 1	9 1.50	+21 24.8	1.614	2.598	1.6	19.7
2 11	8 50.09	+21 41.2	1.644	2.615	4.9	20.0
2 21	8 40.02	+21 47.2	1.702	2.632	9.1	20.3
3 2	8 32.30	+21 42.4	1.786	2.648	12.9	20.5
3 12	8 27.49	+21 27.6	1.891	2.663	16.0	20.8

125419 2001 VB_{111} 2 2.2 23°.23 2°.5/ 1.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 26.22	+20 31.6	1.183	2.056	16.7	19.8
1 12	9 20.65	+21 5.9	1.129	2.060	11.9	19.6
1 22	9 11.98	+21 45.9	1.097	2.066	6.5	19.3
2 1	9 1.41	+22 23.5	1.089	2.072	2.5	19.0
2 11	8 50.71	+22 50.8	1.107	2.079	6.4	19.3
2 21	8 41.61	+23 3.1	1.149	2.087	11.6	19.6
3 2	8 35.43	+22 59.2	1.213	2.095	16.3	19.9
3 12	8 32.85	+22 40.7	1.296	2.104	20.1	20.2

255905 2006 SC_{323} 2 2.2 62°.51 1°.6/ 1.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 25.32	+18 33.7	1.543	2.401	14.3	20.7
1 12	9 19.39	+19 18.9	1.489	2.414	10.1	20.4
1 22	9 11.05	+20 10.8	1.460	2.428	5.4	20.2
2 1	9 1.30	+21 2.5	1.458	2.441	1.6	20.0
2 11	8 51.48	+21 47.1	1.483	2.455	5.1	20.2
2 21	8 42.92	+22 19.8	1.536	2.469	9.6	20.5
3 2	8 36.64	+22 38.5	1.612	2.483	13.6	20.8
3 12	8 33.26	+22 43.3	1.709	2.497	16.8	21.0

315168 2007 GE_{21} 2 2.2 313°.80 20°.6/19.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 45.55	+55 38.7	1.061	1.880	22.2	19.9
1 12	9 37.64	+58 12.7	1.031	1.875	21.0	19.8
1 22	9 22.56	+60 7.2	1.019	1.869	20.6	19.7
2 1	9 2.62	+61 0.4	1.023	1.864	21.4	19.7
2 11	8 42.48	+60 42.2	1.043	1.860	23.0	19.8
2 21	8 26.68	+59 18.6	1.078	1.855	25.0	20.0
3 2	8 17.76	+57 5.2	1.126	1.851	27.1	20.1
3 12	8 15.90	+54 19.6	1.184	1.847	29.0	20.3

27175 1999 BS_{2} 2 2.2 141°.67 3°.4/30.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 25.25	+26 51.7	2.313	3.162	10.5	18.3
1 12	9 18.83	+27 25.1	2.248	3.165	7.6	18.1
1 22	9 10.58	+27 56.2	2.209	3.169	4.7	17.9
2 1	9 1.25	+28 20.1	2.199	3.172	3.4	17.8
2 11	8 51.83	+28 32.8	2.219	3.174	5.3	18.0
2 21	8 43.29	+28 32.4	2.268	3.177	8.3	18.2
3 2	8 36.45	+28 19.0	2.342	3.180	11.1	18.4
3 12	8 31.85	+27 54.2	2.439	3.182	13.6	18.5

431238 2006 SX_{400} 2 2.2 183°.46 2°.5/31.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 23.03	+24 48.4	2.749	3.595	9.2	22.0
1 12	9 17.06	+25 23.4	2.677	3.595	6.5	21.8
1 22	9 9.56	+25 58.0	2.633	3.595	3.9	21.6
2 1	9 1.14	+26 28.0	2.618	3.594	2.5	21.5
2 11	8 52.60	+26 50.0	2.634	3.593	4.3	21.7
2 21	8 44.72	+27 1.9	2.680	3.592	7.1	21.8
3 2	8 38.20	+27 2.8	2.753	3.591	9.7	22.0
3 12	8 33.53	+26 53.5	2.849	3.589	11.9	22.2

85785 1998 VV_{11} 2 2.2 78°.94 5°.8/ 7.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 21.88	− 2 51.5	2.124	2.897	14.1	19.8
1 12	9 16.35	− 2 50.9	2.065	2.920	11.3	19.7
1 22	9 9.18	− 2 29.6	2.029	2.944	8.5	19.6
2 1	9 1.09	− 1 48.7	2.019	2.967	6.3	19.5
2 11	8 52.98	− 0 51.6	2.038	2.990	6.0	19.5
2 21	8 45.68	+ 0 16.4	2.085	3.013	7.8	19.6
3 2	8 39.94	+ 1 29.2	2.159	3.036	10.4	19.8
3 12	8 36.23	+ 2 41.0	2.257	3.058	12.8	20.1

259145 2002 XM_{82} 2 2.2 47°.20 3°.2/ 3.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 32.14	+12 39.3	0.873	1.741	21.5	19.6
1 12	9 25.15	+11 51.0	0.833	1.758	15.8	19.3
1 22	9 14.44	+11 18.8	0.812	1.776	9.3	19.0
2 1	9 1.68	+11 0.7	0.813	1.795	3.6	18.8
2 11	8 49.15	+10 52.8	0.837	1.814	6.4	19.0
2 21	8 38.93	+10 50.4	0.884	1.834	12.4	19.4
3 2	8 32.41	+10 49.1	0.951	1.854	17.7	19.8
3 12	8 30.12	+10 45.2	1.036	1.875	22.0	20.1

210323 2007 TW_{241} 2 2.2 60°.62 1°.3/ 1.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 25.07	+20 13.1	2.042	2.890	11.8	20.2
1 12	9 18.69	+20 26.7	1.988	2.908	8.3	20.0
1 22	9 10.47	+20 42.7	1.959	2.925	4.5	19.8
2 1	9 1.24	+20 57.1	1.959	2.943	1.3	19.6
2 11	8 52.04	+21 6.2	1.989	2.960	4.1	19.8
2 21	8 43.86	+21 7.9	2.047	2.978	7.7	20.1
3 2	8 37.49	+21 1.4	2.132	2.996	11.0	20.3
3 12	8 33.43	+20 46.8	2.239	3.014	13.8	20.5

44971 1999 VA_{100} 2 2.2 244.°76 1.°0/ 2.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 2	9 25.28	+12 28.3	1.882	2.717	13.2	20.2
1 12	9 19.28	+12 48.5	1.792	2.703	9.6	20.0
1 22	9 11.05	+13 20.1	1.728	2.690	5.5	19.7
2 1	9 1.33	+13 59.5	1.691	2.675	1.4	19.4
2 11	8 51.21	+14 41.9	1.684	2.660	3.9	19.5
2 21	8 41.84	+15 22.3	1.706	2.645	8.4	19.8
3 2	8 34.28	+15 56.7	1.754	2.629	12.4	20.0
3 12	8 29.28	+16 22.7	1.823	2.613	15.9	20.2

393435 2001 SC_{321} 2 2.2 138.°41 1.°1/ 1.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 29.32	+18 2.4	1.879	2.720	12.9	22.4
1 12	9 21.90	+18 40.6	1.819	2.735	9.2	22.2
1 22	9 12.32	+19 24.3	1.784	2.750	4.9	22.0
2 1	9 1.46	+20 7.9	1.779	2.763	1.1	21.7
2 11	8 50.54	+20 45.9	1.804	2.776	4.4	22.0
2 21	8 40.73	+21 14.4	1.859	2.788	8.5	22.3
3 2	8 32.97	+21 31.5	1.939	2.799	12.2	22.5
3 12	8 27.86	+21 37.4	2.042	2.809	15.1	22.7

361128 2006 GG_{21} 2 2.2 260.°34 0.°9/ 1.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 26.79	+17 35.9	1.625	2.477	14.1	21.9
1 12	9 20.68	+18 4.4	1.542	2.464	10.1	21.7
1 22	9 11.95	+18 40.9	1.483	2.450	5.5	21.3
2 1	9 1.45	+19 20.0	1.452	2.437	1.0	21.0
2 11	8 50.51	+19 55.3	1.449	2.423	4.9	21.2
2 21	8 40.52	+20 21.8	1.473	2.408	9.8	21.5
3 2	8 32.74	+20 36.9	1.522	2.394	14.2	21.7
3 12	8 27.96	+20 39.7	1.591	2.379	17.9	21.9

97988 2000 QN_{178} 2 2.2 153.°03 3.°2/ 4.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 25.52	+ 6 28.7	1.791	2.610	14.5	20.4
1 12	9 19.33	+ 6 42.7	1.720	2.616	10.9	20.1
1 22	9 10.99	+ 7 13.4	1.672	2.623	7.0	19.9
2 1	9 1.33	+ 7 58.1	1.652	2.628	3.6	19.7
2 11	8 51.47	+ 8 52.1	1.660	2.633	4.5	19.8
2 21	8 42.54	+ 9 49.4	1.697	2.638	8.3	20.0
3 2	8 35.52	+10 44.6	1.761	2.642	12.1	20.3
3 12	8 31.05	+11 33.4	1.847	2.645	15.4	20.5

28668 2000 GF_{54} 2 2.2 145.°53 0.°6/ 2.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 27.58	+13 5.3	1.839	2.673	13.5	19.1
1 12	9 20.72	+13 36.4	1.773	2.685	9.7	18.9
1 22	9 11.72	+14 18.0	1.733	2.695	5.4	18.7
2 1	9 1.41	+15 5.5	1.721	2.705	1.0	18.4
2 11	8 50.98	+15 53.4	1.739	2.714	3.9	18.6
2 21	8 41.55	+16 36.7	1.786	2.723	8.2	18.9
3 2	8 34.11	+17 11.8	1.859	2.730	12.0	19.2
3 12	8 29.27	+17 37.1	1.955	2.737	15.2	19.4

201074 2002 FZ 2 2.2 270.°42 4.°4/ 5.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 21.13	+ 2 30.1	2.020	2.823	13.6	20.2
1 12	9 16.14	+ 2 35.9	1.932	2.814	10.7	20.0
1 22	9 9.26	+ 2 59.9	1.868	2.806	7.5	19.7
2 1	9 1.15	+ 3 41.2	1.830	2.797	4.8	19.6
2 11	8 52.74	+ 4 36.2	1.821	2.788	5.0	19.5
2 21	8 44.99	+ 5 39.7	1.841	2.779	7.9	19.7
3 2	8 38.79	+ 6 46.0	1.887	2.770	11.3	19.9
3 12	8 34.79	+ 7 49.6	1.955	2.761	14.4	20.1

150971 2001 TJ_{191} 2 2.2 73.°80 1.°9/ 1.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 25.86	+20 22.0	1.726	2.580	13.2	20.0
1 12	9 19.63	+20 55.9	1.668	2.591	9.4	19.8
1 22	9 11.15	+21 33.6	1.635	2.602	5.1	19.6
2 1	9 1.35	+22 9.3	1.630	2.613	1.9	19.4
2 11	8 51.50	+22 37.3	1.653	2.624	4.9	19.6
2 21	8 42.78	+22 54.3	1.704	2.634	9.1	19.9
3 2	8 36.18	+22 58.9	1.780	2.645	12.8	20.1
3 12	8 32.30	+22 51.7	1.877	2.656	15.9	20.4

210268 2007 ST_{18} 2 2.2 124.°64 0.°9/ 2.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 25.14	+11 29.0	1.730	2.567	14.1	20.8
1 12	9 19.11	+12 13.8	1.666	2.578	10.2	20.6
1 22	9 10.89	+13 12.1	1.626	2.588	5.8	20.4
2 1	9 1.33	+14 18.8	1.614	2.599	1.3	20.1
2 11	8 51.62	+15 26.9	1.632	2.608	4.0	20.3
2 21	8 42.92	+16 30.3	1.678	2.618	8.4	20.6
3 2	8 36.22	+17 24.2	1.750	2.627	12.4	20.9
3 12	8 32.13	+18 5.9	1.844	2.635	15.7	21.1

173922 2001 VC_{59} 2 2.2 111.°59 1.°2/ 1.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 23.04	+19 55.7	2.590	3.432	9.8	20.9
1 12	9 17.02	+20 24.1	2.530	3.447	6.9	20.7
1 22	9 9.52	+20 55.0	2.496	3.462	3.7	20.5
2 1	9 1.18	+21 24.6	2.493	3.476	1.2	20.4
2 11	8 52.80	+21 49.5	2.520	3.490	3.5	20.6
2 21	8 45.15	+22 7.3	2.578	3.504	6.6	20.8
3 2	8 38.91	+22 16.8	2.663	3.518	9.4	21.0
3 12	8 34.54	+22 17.7	2.771	3.531	11.7	21.2

319888 2006 WX_{156} 2 2.2 156.°11 0.°9/ 1.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 2	9 26.26	+18 0.1	2.175	3.015	11.5	21.4
1 12	9 19.58	+18 31.4	2.106	3.022	8.1	21.2
1 22	9 11.03	+19 7.5	2.064	3.030	4.4	21.0
2 1	9 1.36	+19 44.1	2.052	3.036	0.9	20.7
2 11	8 51.56	+20 16.5	2.070	3.042	3.9	21.0
2 21	8 42.62	+20 41.6	2.118	3.047	7.6	21.2
3 2	8 35.39	+20 57.3	2.192	3.052	10.9	21.4
3 12	8 30.44	+21 3.4	2.290	3.056	13.7	21.6

411766 2012 BJ_{130} 2 2.2 317.°29 3.°7/31.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 24.92	+23 29.3	1.516	2.381	14.1	21.0
1 12	9 19.50	+24 24.8	1.445	2.372	10.1	20.7
1 22	9 11.35	+25 23.8	1.397	2.363	6.0	20.5
2 1	9 1.41	+26 17.7	1.376	2.354	3.8	20.3
2 11	8 51.10	+26 58.5	1.383	2.346	6.8	20.5
2 21	8 41.92	+27 21.6	1.415	2.338	11.1	20.7
3 2	8 35.13	+27 25.4	1.470	2.331	15.2	20.9
3 12	8 31.51	+27 11.7	1.544	2.324	18.7	21.1

3751 Kiang 2 2.2 207.°12 3.°7/ 5.1 18 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 21.75	+ 3 48.5	2.657	3.451	11.0	17.2
1 12	9 16.15	+ 3 30.8	2.570	3.448	8.6	17.0
1 22	9 9.10	+ 3 24.8	2.509	3.444	6.0	16.9
2 1	9 1.15	+ 3 30.2	2.476	3.441	4.0	16.7
2 11	8 53.01	+ 3 45.4	2.474	3.437	4.2	16.7
2 21	8 45.43	+ 4 7.6	2.501	3.432	6.5	16.9
3 2	8 39.07	+ 4 33.8	2.555	3.428	9.1	17.0
3 12	8 34.42	+ 5 0.8	2.635	3.424	11.5	17.2

432104 2009 AL_{36} 2 2.2 45.°75 0.°0/ 2.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 23.67	+16 36.8	2.131	2.973	11.6	20.5
1 12	9 17.74	+16 40.9	2.062	2.978	8.3	20.3
1 22	9 10.02	+16 50.3	2.018	2.983	4.5	20.1
2 1	9 1.25	+17 1.9	2.004	2.989	0.5	19.8
2 11	8 52.38	+17 12.3	2.019	2.994	3.5	20.0
2 21	8 44.36	+17 18.9	2.063	3.000	7.3	20.3
3 2	8 37.99	+17 20.1	2.134	3.006	10.7	20.5
3 12	8 33.81	+17 15.0	2.228	3.012	13.5	20.7

114000 2002 UR_{33} 2 2.2 104.°11 0.°7/ 1.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 22.91	+17 37.7	2.290	3.133	10.9	20.5
1 12	9 17.11	+18 4.9	2.225	3.143	7.7	20.3
1 22	9 9.65	+18 37.0	2.186	3.152	4.1	20.1
2 1	9 1.20	+19 10.1	2.177	3.162	0.7	19.8
2 11	8 52.68	+19 40.0	2.198	3.171	3.5	20.1
2 21	8 44.94	+20 3.8	2.248	3.180	7.1	20.3
3 2	8 38.74	+20 19.5	2.325	3.189	10.2	20.5
3 12	8 34.59	+20 26.5	2.425	3.198	12.9	20.7

472657 2015 DK_{219} 2 2.2 263.°64 2.°3/31.5 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 24.45	+24 16.8	2.664	3.507	9.5	21.7
1 12	9 18.23	+24 39.2	2.571	3.488	6.8	21.5
1 22	9 10.30	+25 1.4	2.505	3.468	4.0	21.3
2 1	9 1.29	+25 19.5	2.470	3.448	2.3	21.1
2 11	8 52.03	+25 30.0	2.465	3.428	4.3	21.2
2 21	8 43.37	+25 30.8	2.490	3.407	7.3	21.4
3 2	8 36.10	+25 21.3	2.543	3.386	10.2	21.5
3 12	8 30.79	+25 2.0	2.618	3.365	12.7	21.7

378702 2008 OV_{3} 2 2.3 157.°25 0.°8/ 2.9 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 24.20	+13 14.3	2.697	3.520	10.0	22.2
1 12	9 17.81	+13 25.6	2.623	3.528	7.2	22.1
1 22	9 9.96	+13 43.3	2.576	3.536	4.1	21.9
2 1	9 1.26	+14 5.0	2.559	3.543	1.0	21.6
2 11	8 52.46	+14 27.8	2.575	3.550	2.9	21.8
2 21	8 44.31	+14 49.0	2.621	3.556	6.0	22.0
3 2	8 37.49	+15 6.6	2.695	3.561	8.9	22.2
3 12	8 32.45	+15 19.1	2.794	3.566	11.4	22.4

522413 2016 CL_{311} 2 2.3 266.°63 1.°3/ 3.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 23.44	+12 12.3	1.978	2.813	12.6	21.8
1 12	9 17.81	+12 20.4	1.896	2.807	9.2	21.5
1 22	9 10.18	+12 38.5	1.840	2.801	5.4	21.3
2 1	9 1.30	+13 4.0	1.812	2.795	1.6	21.0
2 11	8 52.15	+13 32.8	1.813	2.789	3.7	21.2
2 21	8 43.79	+14 0.9	1.842	2.783	7.7	21.4
3 2	8 37.13	+14 25.1	1.898	2.776	11.5	21.6
3 12	8 32.81	+14 43.0	1.976	2.770	14.7	21.8

163549 2002 TW_{94} 2 2.3 158.°07 0.°3/ 2.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 22.27	+14 19.9	2.526	3.358	10.3	21.3
1 12	9 16.57	+14 44.5	2.452	3.363	7.4	21.1
1 22	9 9.35	+15 16.0	2.405	3.368	4.1	20.9
2 1	9 1.20	+15 51.1	2.387	3.372	0.6	20.6
2 11	8 52.93	+16 26.3	2.401	3.376	3.0	20.9
2 21	8 45.31	+16 58.2	2.444	3.379	6.4	21.1
3 2	8 39.04	+17 24.4	2.515	3.383	9.4	21.3
3 12	8 34.63	+17 43.5	2.610	3.385	12.0	21.5

2020	α_{2000}	δ_{2000}	Δ	r	β	V
283576 2001 XT_{38}			2 2.3 37.°75	0.°4/ 2.1 18		
	h m	° ′			°	m
1 2	9 30.39	+18 34.0	1.042	1.913	18.6	19.2
1 12	9 23.54	+18 15.7	1.003	1.932	13.2	18.9
1 22	9 13.45	+18 3.8	0.984	1.953	7.2	18.6
2 1	9 1.65	+17 53.3	0.989	1.974	0.8	18.3
2 11	8 50.14	+17 39.8	1.020	1.997	5.6	18.7
2 21	8 40.70	+17 20.9	1.075	2.020	11.3	19.1
3 2	8 34.51	+16 56.2	1.151	2.044	16.1	19.4
3 12	8 32.09	+16 25.8	1.246	2.068	20.0	19.8
1500 Jyväskylä			2 2.3 71.°00	5.°7/30.7 18		
1 2	9 32.81	+27 41.0	1.249	2.115	16.5	16.1
1 12	9 25.13	+28 38.4	1.212	2.137	11.9	15.9
1 22	9 14.28	+29 30.7	1.198	2.159	7.6	15.7
2 1	9 1.75	+30 7.5	1.210	2.182	5.8	15.6
2 11	8 49.46	+30 21.8	1.248	2.204	8.5	15.8
2 21	8 39.17	+30 12.2	1.310	2.226	12.6	16.1
3 2	8 32.08	+29 42.0	1.395	2.248	16.4	16.4
3 12	8 28.71	+28 56.3	1.498	2.269	19.6	16.7
459452 2012 XB_{6}			2 2.3 175.°70	1.°1/ 3.5 17		
1 2	9 19.98	+10 23.2	3.324	4.138	8.5	22.5
1 12	9 14.67	+10 47.8	3.242	4.141	6.2	22.3
1 22	9 8.22	+11 19.8	3.187	4.143	3.7	22.2
2 1	9 1.08	+11 57.1	3.163	4.144	1.3	22.0
2 11	8 53.82	+12 36.9	3.171	4.145	2.4	22.1
2 21	8 47.01	+13 16.6	3.210	4.146	5.0	22.2
3 2	8 41.17	+13 53.6	3.278	4.146	7.4	22.4
3 12	8 36.70	+14 26.1	3.372	4.145	9.6	22.6
104931 2000 JC_{29}			2 2.3 303.°19	2.°1/ 3.3 18		
1 2	9 24.13	+11 27.9	1.587	2.430	14.8	19.7
1 12	9 18.87	+11 24.4	1.495	2.408	11.0	19.4
1 22	9 11.05	+11 33.5	1.425	2.386	6.6	19.1
2 1	9 1.44	+11 53.1	1.383	2.365	2.4	18.7
2 11	8 51.28	+12 18.9	1.367	2.344	4.6	18.8
2 21	8 41.93	+12 46.3	1.379	2.323	9.4	19.1
3 2	8 34.64	+13 10.9	1.415	2.302	14.0	19.3
3 12	8 30.28	+13 29.2	1.471	2.282	18.0	19.5
466135 2012 FW_{68}			2 2.3 194.°52	0.°7/ 1.7 18		
1 2	9 23.58	+16 10.4	2.043	2.886	12.0	22.0
1 12	9 17.90	+17 1.7	1.967	2.885	8.5	21.8
1 22	9 10.24	+18 1.4	1.918	2.884	4.6	21.5
2 1	9 1.33	+19 4.2	1.897	2.882	0.8	21.2
2 11	8 52.17	+20 4.1	1.906	2.879	4.0	21.5
2 21	8 43.79	+20 56.2	1.945	2.877	8.0	21.7
3 2	8 37.09	+21 37.1	2.009	2.874	11.6	21.9
3 12	8 32.71	+22 5.5	2.096	2.870	14.6	22.1
108881 2001 OD_{106}			2 2.3 140.°25	2.°1/ 3.6 18		
1 2	9 26.98	+10 25.3	2.154	2.974	12.3	20.1
1 12	9 20.04	+10 15.6	2.084	2.985	9.1	19.9
1 22	9 11.28	+10 15.5	2.040	2.995	5.5	19.7
2 1	9 1.46	+10 23.0	2.025	3.005	2.3	19.5
2 11	8 51.55	+10 35.3	2.040	3.014	3.7	19.6
2 21	8 42.50	+10 49.6	2.085	3.022	7.2	19.8
3 2	8 35.15	+11 3.1	2.158	3.031	10.5	20.0
3 12	8 30.02	+11 13.6	2.254	3.038	13.4	20.3
416528 2003 YG_{181}			2 2.3 43.°36	1.°4/ 1.2 18		
1 2	9 21.36	+17 20.4	1.819	2.673	12.7	20.3
1 12	9 16.39	+18 28.7	1.763	2.687	8.9	20.1
1 22	9 9.42	+19 44.8	1.733	2.700	4.8	19.9
2 1	9 1.25	+21 1.8	1.731	2.715	1.4	19.7
2 11	8 52.98	+22 12.6	1.758	2.729	4.6	19.9
2 21	8 45.66	+23 11.7	1.813	2.744	8.6	20.2
3 2	8 40.18	+23 56.1	1.894	2.759	12.1	20.4
3 12	8 37.12	+24 24.9	1.995	2.775	15.0	20.7
70545 1999 TL_{127}			2 2.3 95.°24	3.°8/ 4.8 18		
1 2	9 24.83	+ 4 51.0	1.686	2.504	15.3	19.5
1 12	9 18.86	+ 5 6.0	1.626	2.520	11.6	19.3
1 22	9 10.76	+ 5 40.0	1.589	2.537	7.6	19.1
2 1	9 1.41	+ 6 30.2	1.579	2.553	4.2	18.9
2 11	8 51.97	+ 7 31.0	1.597	2.569	4.8	19.0
2 21	8 43.58	+ 8 36.1	1.643	2.585	8.4	19.2
3 2	8 37.18	+ 9 39.2	1.715	2.600	12.1	19.5
3 12	8 33.36	+10 35.4	1.809	2.615	15.4	19.7
244009 2001 SQ_{92}			2 2.3 140.°54	1.°9/31.8 18		
1 2	9 24.10	+22 24.2	2.455	3.300	10.1	21.0
1 12	9 17.94	+22 49.7	2.387	3.305	7.2	20.8
1 22	9 10.12	+23 16.2	2.346	3.310	4.0	20.6
2 1	9 1.34	+23 39.5	2.334	3.315	1.9	20.5
2 11	8 52.47	+23 56.1	2.353	3.320	4.1	20.6
2 21	8 44.37	+24 3.8	2.402	3.324	7.2	20.8
3 2	8 37.78	+24 1.8	2.477	3.328	10.1	21.0
3 12	8 33.22	+23 50.5	2.576	3.333	12.6	21.2

2020	α_{2000}	δ_{2000}	Δ	r	β	V
54776 2001 LL_{16}			2 2.3 148.°00	2.°7/ 4.1 18		
	h m	° ′			°	m
1 2	9 24.37	+ 7 54.4	1.916	2.737	13.5	19.5
1 12	9 18.45	+ 8 2.3	1.843	2.742	10.1	19.3
1 22	9 10.53	+ 8 24.2	1.794	2.747	6.3	19.1
2 1	9 1.39	+ 8 57.9	1.773	2.751	3.1	18.9
2 11	8 52.07	+ 9 39.1	1.782	2.756	4.1	18.9
2 21	8 43.60	+10 23.0	1.819	2.759	7.8	19.2
3 2	8 36.90	+11 5.2	1.882	2.763	11.4	19.4
3 12	8 32.57	+11 42.1	1.968	2.766	14.6	19.6
10540 Hachigoroh			2 2.3 53.°87	1.°3/ 1.3 18		
1 2	9 21.98	+17 59.5	1.961	2.813	12.0	17.6
1 12	9 16.69	+18 51.6	1.906	2.828	8.5	17.4
1 22	9 9.52	+19 49.7	1.877	2.844	4.5	17.2
2 1	9 1.27	+20 48.1	1.876	2.860	1.3	17.0
2 11	8 52.95	+21 41.0	1.904	2.876	4.2	17.3
2 21	8 45.55	+22 24.1	1.961	2.892	8.0	17.5
3 2	8 39.90	+22 55.0	2.043	2.908	11.4	17.8
3 12	8 36.53	+23 13.0	2.148	2.925	14.2	18.0
52822 1998 RN_{6}			2 2.3 115.°79	4.°1/ 4.8 18		
1 2	9 26.64	+ 4 34.4	1.575	2.392	16.2	19.4
1 12	9 20.30	+ 4 47.1	1.513	2.407	12.3	19.1
1 22	9 11.62	+ 5 20.3	1.474	2.421	8.1	18.9
2 1	9 1.53	+ 6 11.1	1.462	2.435	4.6	18.8
2 11	8 51.33	+ 7 14.0	1.477	2.449	5.2	18.8
2 21	8 42.25	+ 8 21.8	1.520	2.462	9.0	19.1
3 2	8 35.35	+ 9 27.7	1.589	2.474	12.9	19.3
3 12	8 31.25	+10 26.3	1.679	2.486	16.3	19.6
86021 1999 KQ_{4}			2 2.3 139.°15	8.°4/10.4 18		
1 2	9 24.73	−16 2.3	3.008	3.663	12.7	19.8
1 12	9 18.13	−16 52.9	2.936	3.680	11.2	19.7
1 22	9 10.16	−17 23.5	2.886	3.696	9.8	19.6
2 1	9 1.37	−17 32.0	2.860	3.711	8.7	19.5
2 11	8 52.44	−17 18.6	2.862	3.725	8.4	19.5
2 21	8 44.08	−16 45.6	2.890	3.739	8.8	19.6
3 2	8 36.92	−15 57.1	2.944	3.752	9.9	19.7
3 12	8 31.41	−14 58.4	3.022	3.764	11.2	19.8
267097 1999 XQ_{145}			2 2.3 202.°61	1.°2/ 1.4 18		
1 2	9 23.27	+18 37.5	2.104	2.951	11.5	20.8
1 12	9 17.64	+19 17.3	2.030	2.950	8.1	20.6
1 22	9 10.09	+20 2.5	1.982	2.949	4.4	20.3
2 1	9 1.36	+20 48.3	1.964	2.947	1.2	20.1
2 11	8 52.43	+21 29.4	1.975	2.946	4.1	20.3
2 21	8 44.28	+22 2.1	2.014	2.944	7.9	20.5
3 2	8 37.80	+22 24.0	2.080	2.943	11.3	20.7
3 12	8 33.57	+22 34.6	2.168	2.941	14.2	20.9
241215 2007 TA_{63}			2 2.3 11.°97	0.°2/ 2.1 18		
1 2	9 21.97	+16 16.8	1.967	2.815	12.1	20.8
1 12	9 16.75	+16 39.1	1.897	2.817	8.7	20.6
1 22	9 9.61	+17 8.5	1.852	2.818	4.7	20.4
2 1	9 1.31	+17 40.8	1.836	2.821	0.5	20.1
2 11	8 52.85	+18 11.7	1.848	2.823	3.8	20.3
2 21	8 45.24	+18 37.1	1.888	2.826	7.8	20.6
3 2	8 39.34	+18 54.7	1.955	2.829	11.4	20.8
3 12	8 35.74	+19 3.2	2.043	2.833	14.4	21.0
143111 2002 XS_{24}			2 2.3 126.°33	0.°4/ 2.0 18		
1 2	9 25.99	+16 12.1	2.001	2.841	12.3	20.8
1 12	9 19.50	+16 45.0	1.939	2.855	8.7	20.6
1 22	9 11.06	+17 24.8	1.902	2.868	4.7	20.4
2 1	9 1.48	+18 6.7	1.895	2.880	0.6	20.1
2 11	8 51.81	+18 45.9	1.918	2.892	3.8	20.4
2 21	8 43.10	+19 18.3	1.970	2.903	7.8	20.6
3 2	8 36.20	+19 41.6	2.048	2.914	11.3	20.9
3 12	8 31.67	+19 54.9	2.149	2.925	14.2	21.1
11620 Susanagordon			2 2.3 231.°93	2.°3/ 3.6 18		
1 2	9 26.57	+10 29.9	2.088	2.910	12.6	18.2
1 12	9 19.99	+10 11.4	2.000	2.901	9.4	17.9
1 22	9 11.40	+10 2.2	1.937	2.893	5.7	17.7
2 1	9 1.53	+10 0.9	1.904	2.883	2.6	17.5
2 11	8 51.38	+10 5.2	1.900	2.874	3.9	17.5
2 21	8 41.99	+10 12.5	1.926	2.864	7.6	17.8
3 2	8 34.27	+10 19.9	1.979	2.854	11.2	18.0
3 12	8 28.87	+10 25.3	2.055	2.844	14.4	18.1
413120 2001 WB_{44}			2 2.3 103.°75	2.°8/31.2 18		
1 2	9 27.81	+23 25.2	2.133	2.979	11.4	22.0
1 12	9 20.65	+24 20.7	2.088	3.006	8.1	21.9
1 22	9 11.61	+25 16.3	2.069	3.032	4.6	21.7
2 1	9 1.53	+26 5.8	2.080	3.057	2.8	21.6
2 11	8 51.51	+26 44.3	2.122	3.082	5.1	21.8
2 21	8 42.53	+27 9.0	2.193	3.106	8.3	22.0
3 2	8 35.42	+27 19.5	2.289	3.130	11.3	22.3
3 12	8 30.69	+27 17.2	2.408	3.152	13.7	22.5

500145 2012 DC_{30} 2 2.3 276°.78 4°.3/ 5.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 2	9 21.54	+ 2 30.1	1.857	2.665	14.5	21.2
1 12	9 16.71	+ 2 54.5	1.762	2.648	11.3	20.9
1 22	9 9.76	+ 3 40.4	1.690	2.632	7.8	20.7
2 1	9 1.35	+ 4 46.5	1.645	2.615	4.8	20.5
2 11	8 52.50	+ 6 7.9	1.628	2.598	5.0	20.5
2 21	8 44.29	+ 7 37.7	1.639	2.581	8.4	20.6
3 2	8 37.74	+ 9 8.5	1.677	2.564	12.3	20.8
3 12	8 33.61	+10 33.4	1.737	2.546	15.8	21.0

83479 2001 SW_{83} 2 2.3 124°.20 0°.9/ 3.0 18

1 2	9 21.83	+12 21.8	2.440	3.269	10.7	20.3
1 12	9 16.31	+12 40.9	2.369	3.277	7.8	20.1
1 22	9 9.25	+13 8.3	2.324	3.285	4.4	19.9
2 1	9 1.28	+13 41.1	2.309	3.292	1.2	19.7
2 11	8 53.20	+14 15.7	2.324	3.300	3.0	19.8
2 21	8 45.81	+14 48.7	2.369	3.307	6.4	20.1
3 2	8 39.79	+15 17.5	2.441	3.314	9.5	20.3
3 12	8 35.64	+15 40.0	2.537	3.321	12.1	20.5

336523 2008 YF_{78} 2 2.3 53°.99 0°.7/ 2.8 18

1 2	9 21.18	+12 25.8	2.007	2.846	12.3	20.6
1 12	9 16.08	+13 3.4	1.946	2.859	8.9	20.4
1 22	9 9.21	+13 51.6	1.910	2.873	5.0	20.2
2 1	9 1.29	+14 45.9	1.902	2.886	1.0	20.0
2 11	8 53.27	+15 41.3	1.924	2.900	3.5	20.2
2 21	8 46.10	+16 32.7	1.974	2.914	7.3	20.4
3 2	8 40.56	+17 16.4	2.051	2.928	10.8	20.7
3 12	8 37.19	+17 50.3	2.150	2.943	13.7	20.9

419843 2010 YX_2 2 2.3 133°.54 3°.6/30.9 18

1 2	9 26.36	+25 21.0	1.868	2.723	12.4	21.0
1 12	9 20.06	+26 6.7	1.803	2.725	8.9	20.8
1 22	9 11.50	+26 52.1	1.764	2.726	5.4	20.5
2 1	9 1.55	+27 30.3	1.753	2.728	3.7	20.4
2 11	8 51.45	+27 55.8	1.771	2.730	6.1	20.6
2 21	8 42.40	+28 5.6	1.816	2.731	9.6	20.8
3 2	8 35.41	+27 59.5	1.886	2.732	13.0	21.0
3 12	8 31.11	+27 39.4	1.976	2.734	15.9	21.2

3036 Krat 2 2.3 133°.44 8°.5/25.6 18

1 2	9 31.14	+46 53.5	2.621	3.428	10.8	15.8
1 12	9 23.26	+47 57.3	2.579	3.434	9.3	15.8
1 22	9 13.14	+48 45.5	2.561	3.441	8.5	15.7
2 1	9 1.73	+49 11.8	2.571	3.447	8.7	15.7
2 11	8 50.32	+49 12.9	2.606	3.453	9.7	15.8
2 21	8 40.12	+48 48.9	2.666	3.459	11.2	15.9
3 2	8 32.11	+48 3.1	2.748	3.464	12.7	16.0
3 12	8 26.85	+47 0.4	2.848	3.470	14.2	16.2

208636 2002 EE_{92} 2 2.3 198°.12 3°.0/31.6 18

1 2	9 29.12	+23 24.2	1.787	2.638	13.0	20.7
1 12	9 22.13	+24 0.7	1.716	2.636	9.3	20.5
1 22	9 12.68	+24 38.4	1.670	2.634	5.4	20.3
2 1	9 1.70	+25 10.8	1.652	2.631	3.0	20.1
2 11	8 50.48	+25 32.1	1.663	2.628	5.7	20.3
2 21	8 40.36	+25 39.2	1.703	2.624	9.7	20.5
3 2	8 32.43	+25 31.6	1.767	2.620	13.5	20.7
3 12	8 27.38	+25 11.1	1.852	2.615	16.6	20.9

498204 2007 TU_{383} 2 2.3 167°.73 8°.6/11.6 17

1 2	9 20.67	−17 51.2	2.998	3.646	12.8	22.0
1 12	9 15.36	−18 23.7	2.915	3.650	11.5	21.8
1 22	9 8.71	−18 35.0	2.852	3.654	10.1	21.7
2 1	9 1.24	−18 23.3	2.813	3.657	9.1	21.7
2 11	8 53.59	−17 48.8	2.799	3.660	8.6	21.6
2 21	8 46.45	−16 54.1	2.811	3.663	9.0	21.7
3 2	8 40.41	−15 43.5	2.848	3.664	10.0	21.7
3 12	8 35.94	−14 22.9	2.909	3.666	11.3	21.8

398737 2012 XR_{151} 2 2.3 41°.48 1°.3/ 3.0 18

1 2	9 24.26	+11 20.3	1.167	2.026	17.9	20.4
1 12	9 19.20	+11 56.6	1.116	2.038	13.0	20.1
1 22	9 11.24	+12 51.5	1.085	2.050	7.4	19.9
2 1	9 1.54	+13 58.3	1.079	2.063	1.8	19.6
2 11	8 51.72	+15 7.8	1.099	2.077	5.0	19.8
2 21	8 43.38	+16 11.4	1.144	2.091	10.5	20.2
3 2	8 37.76	+17 2.9	1.211	2.106	15.3	20.5
3 12	8 35.52	+17 39.2	1.297	2.121	19.3	20.8

261406 2005 UP_{467} 2 2.3 90°.54 0°.5/ 2.6 18

1 2	9 25.08	+14 44.1	1.845	2.687	13.1	20.3
1 12	9 19.06	+14 53.4	1.774	2.690	9.4	20.1
1 22	9 10.92	+15 11.0	1.728	2.692	5.2	19.9
2 1	9 1.51	+15 33.3	1.710	2.694	0.9	19.6
2 11	8 51.92	+15 55.9	1.721	2.697	3.8	19.8
2 21	8 43.28	+16 15.2	1.760	2.699	8.1	20.1
3 2	8 36.53	+16 28.6	1.825	2.702	12.0	20.3
3 12	8 32.30	+16 34.5	1.912	2.704	15.2	20.5

422769 2001 UZ_{112} 2 2.3 138°.65 4°.8/ 6.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 2	9 24.30	− 0 28.3	2.482	3.253	12.3	21.9
1 12	9 17.98	− 0 37.5	2.410	3.269	9.8	21.7
1 22	9 10.14	− 0 30.7	2.363	3.283	7.2	21.6
2 1	9 1.41	− 0 8.4	2.345	3.297	5.2	21.5
2 11	8 52.58	+ 0 26.9	2.356	3.310	5.1	21.5
2 21	8 44.44	+ 1 11.5	2.397	3.323	7.0	21.6
3 2	8 37.69	+ 2 1.2	2.465	3.334	9.5	21.8
3 12	8 32.80	+ 2 51.4	2.559	3.345	11.9	22.0

121129 1999 JV_4 2 2.3 5°.89 25°.1/23.9 18

1 2	9 15.12	−25 24.2	0.954	1.676	30.6	17.5
1 12	9 13.36	−28 38.0	0.915	1.675	29.2	17.4
1 22	9 8.40	−30 58.1	0.885	1.677	27.8	17.3
2 1	9 1.24	−32 11.2	0.866	1.681	26.5	17.2
2 11	8 53.60	−32 10.9	0.858	1.689	25.6	17.2
2 21	8 47.32	−31 0.0	0.862	1.700	25.1	17.2
3 2	8 44.01	−28 49.8	0.879	1.713	25.2	17.2
3 12	8 44.62	−25 59.0	0.909	1.728	25.9	17.4

243580 1997 PG_1 2 2.3 66°.93 2°.7/ 1.6 16

1 2	9 43.24	+26 11.1	1.610	2.446	15.0	19.6
1 12	9 31.57	+25 37.1	1.568	2.480	10.7	19.4
1 22	9 17.41	+24 56.7	1.553	2.514	6.0	19.2
2 1	9 2.21	+24 6.4	1.567	2.548	2.7	19.1
2 11	8 47.68	+23 5.5	1.614	2.582	5.4	19.3
2 21	8 35.25	+21 56.5	1.690	2.615	9.6	19.7
3 2	8 25.86	+20 43.4	1.794	2.647	13.3	20.0
3 12	8 19.86	+19 29.3	1.920	2.680	16.2	20.2

212147 2005 EX_{280} 2 2.3 102°.21 2°.5/31.2 18

1 2	9 22.04	+21 18.6	2.160	3.012	11.0	20.0
1 12	9 16.79	+22 29.6	2.092	3.015	7.8	19.8
1 22	9 9.66	+23 44.6	2.052	3.017	4.4	19.5
2 1	9 1.37	+24 57.4	2.041	3.020	2.5	19.4
2 11	8 52.88	+26 1.7	2.059	3.022	4.9	19.6
2 21	8 45.14	+26 52.9	2.107	3.025	8.3	19.8
3 2	8 39.02	+27 29.0	2.180	3.027	11.5	20.0
3 12	8 35.11	+27 49.9	2.275	3.030	14.1	20.2

282913 2007 JE_{43} 2 2.3 267°.59 5°.3/28.8 18

1 2	9 25.71	+30 6.6	2.192	3.043	11.0	20.7
1 12	9 19.72	+31 26.8	2.106	3.021	8.2	20.5
1 22	9 11.44	+32 45.6	2.047	2.998	5.9	20.3
2 1	9 1.60	+33 55.0	2.017	2.974	5.4	20.2
2 11	8 51.26	+34 48.2	2.016	2.951	7.4	20.3
2 21	8 41.61	+35 21.0	2.042	2.927	10.4	20.4
3 2	8 33.73	+35 32.8	2.093	2.902	13.3	20.6
3 12	8 28.41	+35 25.4	2.163	2.877	15.9	20.7

52198 2389 $T\text{-}_3$ 2 2.3 102°.03 8°.0/28.8 18

1 2	9 33.54	+37 37.4	1.779	2.622	13.5	18.4
1 12	9 25.34	+38 34.4	1.733	2.633	10.7	18.3
1 22	9 14.39	+39 18.1	1.711	2.643	8.5	18.2
2 1	9 1.91	+39 39.8	1.716	2.654	8.1	18.2
2 11	8 49.51	+39 34.6	1.748	2.664	9.7	18.3
2 21	8 38.72	+39 2.8	1.806	2.675	12.3	18.5
3 2	8 30.68	+38 8.6	1.886	2.685	15.0	18.7
3 12	8 25.96	+36 58.3	1.985	2.695	17.3	18.9

382699 2002 VW_{100} 2 2.3 111°.23 3°.5/ 5.3 18

1 2	9 22.42	+ 3 16.8	2.640	3.430	11.2	22.0
1 12	9 16.56	+ 3 14.2	2.575	3.450	8.6	21.8
1 22	9 9.34	+ 3 24.4	2.535	3.470	5.9	21.7
2 1	9 1.34	+ 3 46.2	2.524	3.489	3.8	21.6
2 11	8 53.30	+ 4 17.1	2.543	3.508	4.0	21.6
2 21	8 45.92	+ 4 53.8	2.593	3.526	6.2	21.8
3 2	8 39.81	+ 5 32.8	2.670	3.543	8.7	22.0
3 12	8 35.41	+ 6 10.7	2.772	3.560	11.0	22.2

65617 4172 $T\text{-}_3$ 2 2.3 124°.86 4°.7/29.8 18

1 2	9 27.60	+29 52.1	2.199	3.046	11.1	20.0
1 12	9 20.66	+30 49.9	2.146	3.060	8.2	19.9
1 22	9 11.72	+31 43.0	2.120	3.073	5.6	19.7
2 1	9 1.62	+32 25.0	2.123	3.085	4.8	19.7
2 11	8 51.47	+32 51.2	2.156	3.097	6.6	19.8
2 21	8 42.35	+32 59.5	2.216	3.109	9.3	20.0
3 2	8 35.13	+32 50.9	2.302	3.120	12.0	20.2
3 12	8 30.37	+32 27.7	2.409	3.131	14.3	20.4

363324 2002 PZ_{64} 2 2.3 268°.88 4°.0/ 4.4 16

1 2	9 25.21	+ 6 36.2	1.683	2.506	15.1	21.2
1 12	9 19.46	+ 6 19.5	1.598	2.496	11.5	20.9
1 22	9 11.32	+ 6 18.6	1.536	2.485	7.6	20.7
2 1	9 1.60	+ 6 32.7	1.499	2.474	4.3	20.4
2 11	8 51.47	+ 6 58.9	1.491	2.463	5.2	20.5
2 21	8 42.18	+ 7 32.5	1.511	2.452	9.0	20.7
3 2	8 34.86	+ 8 8.5	1.555	2.440	13.1	20.9
3 12	8 30.27	+ 8 42.3	1.621	2.429	16.7	21.1

405281 2003 SD_{400} 2 2.3 210°.86 4°.9/ 6.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 2	9 23.41	+ 0 4.3	1.981	2.770	14.4	22.3
1 12	9 17.88	+ 0 28.3	1.893	2.765	11.4	22.1
1 22	9 10.34	+ 1 14.3	1.827	2.759	8.1	21.9
2 1	9 1.49	+ 2 20.8	1.789	2.752	5.4	21.7
2 11	8 52.30	+ 3 43.4	1.780	2.745	5.3	21.7
2 21	8 43.79	+ 5 15.4	1.800	2.737	8.1	21.8
3 2	8 36.90	+ 6 49.4	1.847	2.729	11.6	22.0
3 12	8 32.31	+ 8 18.7	1.918	2.720	14.8	22.2

97533 2000 DW_{29} 2 2.3 313°.35 0°.4/ 2.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 22.24	+14 17.7	1.979	2.822	12.3	20.1
1 12	9 17.03	+14 38.9	1.899	2.815	8.9	19.8
1 22	9 9.85	+15 9.1	1.845	2.809	5.0	19.6
2 1	9 1.43	+15 44.7	1.818	2.803	0.8	19.3
2 11	8 52.75	+16 21.0	1.821	2.797	3.7	19.5
2 21	8 44.85	+16 53.9	1.852	2.791	7.8	19.7
3 2	8 38.62	+17 20.1	1.909	2.786	11.5	19.9
3 12	8 34.70	+17 37.6	1.988	2.781	14.6	20.1

223698 2004 RB_{30} 2 2.3 120°.58 0°.3/ 2.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 23.50	+13 54.3	2.004	2.843	12.3	20.7
1 12	9 17.82	+14 28.7	1.936	2.850	8.8	20.5
1 22	9 10.22	+15 12.5	1.893	2.857	4.9	20.3
2 1	9 1.48	+16 1.4	1.879	2.864	0.7	20.0
2 11	8 52.58	+16 50.1	1.895	2.870	3.6	20.2
2 21	8 44.52	+17 34.0	1.939	2.877	7.6	20.5
3 2	8 38.18	+18 9.8	2.010	2.883	11.2	20.7
3 12	8 34.11	+18 35.8	2.104	2.889	14.2	20.9

67563 2000 SM_{87} 2 2.3 101°.46 3°.5/30.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 26.01	+24 43.3	1.997	2.850	11.8	19.3
1 12	9 19.62	+25 43.2	1.945	2.865	8.4	19.1
1 22	9 11.19	+26 42.8	1.918	2.880	5.0	18.9
2 1	9 1.58	+27 35.6	1.921	2.896	3.5	18.9
2 11	8 51.92	+28 15.8	1.953	2.910	5.7	19.0
2 21	8 43.28	+28 40.4	2.013	2.925	9.0	19.3
3 2	8 36.57	+28 48.9	2.098	2.939	12.1	19.5
3 12	8 32.34	+28 43.0	2.205	2.953	14.7	19.7

20783 2000 RK_{55} 2 2.3 152°.97 1°.3/ 3.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 24.95	+11 42.3	2.433	3.254	11.0	18.9
1 12	9 18.53	+11 49.1	2.359	3.263	8.0	18.7
1 22	9 10.50	+12 4.0	2.313	3.271	4.7	18.5
2 1	9 1.51	+12 24.8	2.296	3.278	1.6	18.3
2 11	8 52.42	+12 48.2	2.310	3.285	3.1	18.4
2 21	8 44.05	+13 11.3	2.354	3.291	6.5	18.6
3 2	8 37.14	+13 31.6	2.427	3.297	9.6	18.8
3 12	8 32.18	+13 47.2	2.523	3.302	12.3	19.0

143163 2002 XY_{57} 2 2.3 13°.45 3°.2/ 3.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 22.23	+ 8 43.4	1.344	2.192	16.7	19.6
1 12	9 17.57	+ 8 42.8	1.281	2.195	12.5	19.4
1 22	9 10.33	+ 9 0.3	1.240	2.199	7.8	19.1
2 1	9 1.51	+ 9 33.1	1.224	2.203	3.6	18.9
2 11	8 52.47	+10 15.7	1.233	2.209	5.0	19.0
2 21	8 44.61	+11 1.6	1.268	2.216	9.6	19.3
3 2	8 39.09	+11 44.6	1.326	2.223	14.1	19.5
3 12	8 36.57	+12 20.2	1.404	2.232	17.9	19.8

298728 2004 FP_{112} 2 2.3 238°.38 3°.4/ 5.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 20.00	+ 3 37.3	2.523	3.322	11.4	21.2
1 12	9 15.09	+ 3 47.8	2.434	3.315	8.8	21.0
1 22	9 8.68	+ 4 12.3	2.370	3.309	6.0	20.8
2 1	9 1.32	+ 4 49.7	2.334	3.302	3.7	20.7
2 11	8 53.75	+ 5 36.9	2.328	3.296	4.0	20.7
2 21	8 46.70	+ 6 30.0	2.351	3.289	6.5	20.8
3 2	8 40.89	+ 7 24.8	2.403	3.282	9.3	21.0
3 12	8 36.82	+ 8 17.3	2.478	3.274	12.0	21.2

122887 2000 SF_{148} 2 2.3 45°.46 1°.0/ 1.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 23.59	+16 57.7	1.577	2.434	14.1	19.3
1 12	9 18.20	+17 44.3	1.524	2.448	10.0	19.1
1 22	9 10.54	+18 39.3	1.495	2.463	5.4	18.9
2 1	9 1.54	+19 36.0	1.494	2.478	1.1	18.6
2 11	8 52.47	+20 27.6	1.520	2.494	4.7	18.9
2 21	8 44.57	+21 8.9	1.573	2.510	9.1	19.2
3 2	8 38.82	+21 37.0	1.651	2.526	13.1	19.5
3 12	8 35.80	+21 51.4	1.749	2.543	16.3	19.7

332890 2011 AT_{76} 2 2.3 24°.21 1°.6/ 1.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 22.49	+17 40.7	1.818	2.671	12.7	20.4
1 12	9 17.38	+18 51.5	1.749	2.672	9.0	20.2
1 22	9 10.12	+20 11.0	1.706	2.673	4.9	19.9
2 1	9 1.50	+21 32.2	1.691	2.674	1.6	19.7
2 11	8 52.62	+22 47.5	1.705	2.676	4.8	19.9
2 21	8 44.61	+23 50.7	1.748	2.677	9.0	20.2
3 2	8 38.47	+24 38.5	1.815	2.679	12.7	20.4
3 12	8 34.85	+25 9.8	1.904	2.680	15.8	20.6

451402 2011 KL_{18} 2 2.3 213°.46 2°.0/ 1.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 2	9 27.98	+18 55.1	1.628	2.480	14.0	21.9
1 12	9 21.61	+19 52.7	1.552	2.474	10.0	21.7
1 22	9 12.58	+20 58.5	1.502	2.468	5.5	21.4
2 1	9 1.80	+22 4.9	1.479	2.461	2.0	21.1
2 11	8 50.62	+23 3.9	1.484	2.454	5.5	21.4
2 21	8 40.45	+23 49.5	1.518	2.446	10.1	21.6
3 2	8 32.53	+24 18.8	1.576	2.438	14.3	21.8
3 12	8 27.66	+24 31.8	1.654	2.429	17.9	22.0

459979 2014 OR_{27} 2 2.3 81°.30 0°.0/ 2.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 28.40	+16 11.2	1.553	2.401	14.8	21.5
1 12	9 21.60	+16 21.1	1.497	2.416	10.6	21.3
1 22	9 12.38	+16 38.7	1.465	2.431	5.8	21.0
2 1	9 1.76	+16 59.5	1.460	2.445	0.7	20.7
2 11	8 51.12	+17 18.4	1.484	2.460	4.4	21.0
2 21	8 41.79	+17 31.6	1.535	2.474	9.1	21.3
3 2	8 34.80	+17 37.1	1.611	2.489	13.2	21.6
3 12	8 30.75	+17 34.2	1.708	2.503	16.6	21.8

451059 2008 YS_{133} 2 2.3 356°.74 4°.5/30.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 21.45	+21 58.2	1.095	1.978	16.8	20.1
1 12	9 17.72	+23 22.5	1.037	1.974	12.0	19.8
1 22	9 10.74	+24 55.1	1.001	1.970	7.0	19.5
2 1	9 1.60	+26 23.6	0.989	1.968	4.6	19.3
2 11	8 52.09	+27 35.5	1.001	1.967	8.2	19.5
2 21	8 44.04	+28 22.7	1.036	1.967	13.4	19.8
3 2	8 38.94	+28 42.9	1.091	1.969	18.1	20.1
3 12	8 37.62	+28 38.2	1.163	1.972	22.0	20.4

96205 Ararat 2 2.3 101°.62 0°.7/ 1.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 28.67	+17 1.8	1.680	2.526	14.0	20.2
1 12	9 21.65	+17 31.1	1.627	2.545	9.9	20.0
1 22	9 12.35	+18 7.3	1.598	2.564	5.3	19.8
2 1	9 1.76	+18 44.7	1.598	2.582	0.8	19.5
2 11	8 51.18	+19 17.8	1.626	2.600	4.4	19.8
2 21	8 41.83	+19 42.5	1.683	2.618	8.8	20.1
3 2	8 34.71	+19 57.0	1.766	2.635	12.7	20.4
3 12	8 30.37	+20 0.8	1.869	2.652	15.8	20.6

453402 2009 DP_{142} 2 2.3 7°.68 1°.6/ 1.6 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 23.27	+18 38.7	1.091	1.969	17.4	21.2
1 12	9 18.84	+19 5.1	1.035	1.969	12.4	20.9
1 22	9 11.24	+19 40.5	1.001	1.971	6.7	20.6
2 1	9 1.66	+20 17.3	0.990	1.974	1.6	20.3
2 11	8 51.88	+20 47.3	1.004	1.979	6.0	20.6
2 21	8 43.66	+21 4.9	1.041	1.985	11.7	20.9
3 2	8 38.36	+21 7.6	1.099	1.993	16.6	21.2
3 12	8 36.70	+20 55.8	1.175	2.001	20.7	21.5

259962 2004 EB_{103} 2 2.3 193°.15 2°.1/ 3.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 23.41	+ 8 0.5	2.118	2.937	12.5	21.7
1 12	9 17.75	+ 8 30.7	2.036	2.935	9.3	21.5
1 22	9 10.24	+ 9 15.1	1.979	2.933	5.7	21.3
2 1	9 1.54	+10 10.5	1.951	2.931	2.5	21.1
2 11	8 52.59	+11 12.3	1.953	2.928	3.6	21.1
2 21	8 44.33	+12 15.0	1.984	2.924	7.3	21.3
3 2	8 37.63	+13 13.9	2.043	2.921	10.8	21.6
3 12	8 33.10	+14 5.3	2.125	2.916	13.9	21.8

52296 1990 WM_3 2 2.3 91°.40 3°.9/ 5.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 22.03	+ 1 24.0	2.604	3.387	11.5	19.2
1 12	9 16.29	+ 1 28.2	2.546	3.414	9.0	19.1
1 22	9 9.22	+ 1 46.8	2.512	3.441	6.3	19.0
2 1	9 1.41	+ 2 18.2	2.507	3.468	4.3	18.9
2 11	8 53.59	+ 2 59.8	2.532	3.494	4.3	18.9
2 21	8 46.46	+ 3 47.6	2.587	3.519	6.3	19.1
3 2	8 40.62	+ 4 37.7	2.671	3.545	8.7	19.3
3 12	8 36.49	+ 5 26.3	2.779	3.569	11.0	19.5

19442 Brianrice 2 2.3 126°.15 1°.5/ 3.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 24.45	+11 33.8	2.042	2.872	12.5	18.9
1 12	9 18.44	+11 42.5	1.972	2.879	9.1	18.7
1 22	9 10.57	+12 1.2	1.927	2.886	5.3	18.5
2 1	9 1.58	+12 27.2	1.910	2.893	1.8	18.2
2 11	8 52.45	+12 56.5	1.924	2.899	3.6	18.4
2 21	8 44.16	+13 25.5	1.966	2.906	7.4	18.6
3 2	8 37.56	+13 50.7	2.035	2.912	10.9	18.8
3 12	8 33.21	+14 10.1	2.126	2.917	13.9	19.1

116768 2004 EE_{13} 2 2.3 220°.58 2°.0/ 1.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 27.81	+18 54.6	1.505	2.361	14.8	20.3
1 12	9 21.63	+19 48.2	1.432	2.356	10.5	20.0
1 22	9 12.65	+20 50.3	1.384	2.351	5.8	19.7
2 1	9 1.84	+21 53.0	1.362	2.345	2.0	19.5
2 11	8 50.63	+22 48.1	1.369	2.340	5.7	19.7
2 21	8 40.54	+23 29.4	1.402	2.333	10.5	19.9
3 2	8 32.86	+23 54.1	1.460	2.327	15.0	20.2
3 12	8 28.40	+24 2.4	1.536	2.320	18.6	20.4

135284 2001 SU_{145} 2 2.3 175°.07 1°.6/ 3.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 2	9 21.49	+ 9 57.7	2.773	3.590	10.0	20.9
1 12	9 16.00	+10 11.1	2.692	3.592	7.3	20.8
1 22	9 9.13	+10 33.2	2.638	3.593	4.4	20.6
2 1	9 1.42	+11 2.0	2.614	3.594	1.8	20.4
2 11	8 53.57	+11 34.5	2.621	3.595	2.9	20.5
2 21	8 46.27	+12 7.8	2.658	3.596	5.8	20.7
3 2	8 40.15	+12 39.0	2.723	3.596	8.6	20.8
3 12	8 35.69	+13 5.9	2.813	3.596	11.1	21.0

228588 2002 AJ_{26} 2 2.3 38°.14 1°.1/ 1.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 24.83	+18 23.9	1.702	2.556	13.4	20.5
1 12	9 19.06	+18 50.4	1.638	2.561	9.5	20.2
1 22	9 11.04	+19 22.8	1.599	2.566	5.2	20.0
2 1	9 1.65	+19 55.9	1.587	2.571	1.1	19.7
2 11	8 52.12	+20 24.3	1.603	2.577	4.5	20.0
2 21	8 43.66	+20 44.1	1.647	2.583	8.9	20.2
3 2	8 37.26	+20 53.2	1.716	2.589	12.8	20.5
3 12	8 33.55	+20 51.3	1.806	2.595	16.0	20.7

210282 2007 TW_{43} 2 2.3 295°.89 2°.0/ 1.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 25.28	+19 19.8	1.490	2.350	14.6	20.0
1 12	9 19.98	+20 4.4	1.406	2.332	10.5	19.7
1 22	9 11.86	+20 57.5	1.346	2.314	5.8	19.4
2 1	9 1.78	+21 51.9	1.312	2.296	2.0	19.1
2 11	8 51.13	+22 39.8	1.306	2.278	5.7	19.3
2 21	8 41.45	+23 14.9	1.326	2.260	10.8	19.6
3 2	8 34.10	+23 34.0	1.369	2.242	15.4	19.8
3 12	8 29.98	+23 36.9	1.431	2.225	19.3	20.0

152687 1998 QP_{58} 2 2.3 229°.10 0°.8/ 2.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 27.17	+12 48.3	1.690	2.528	14.3	21.7
1 12	9 20.96	+13 18.6	1.605	2.518	10.4	21.4
1 22	9 12.24	+14 1.8	1.544	2.507	5.9	21.1
2 1	9 1.83	+14 53.4	1.512	2.496	1.2	20.8
2 11	8 50.96	+15 47.3	1.508	2.484	4.3	20.9
2 21	8 40.97	+16 37.3	1.532	2.471	9.1	21.2
3 2	8 33.03	+17 18.8	1.582	2.458	13.5	21.4
3 12	8 27.94	+17 49.4	1.653	2.444	17.2	21.6

405906 2006 HT_{82} 2 2.3 236°.04 0°.4/ 2.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 26.41	+14 2.8	1.895	2.732	13.0	22.4
1 12	9 20.21	+14 28.8	1.806	2.719	9.5	22.2
1 22	9 11.75	+15 4.9	1.743	2.706	5.3	21.9
2 1	9 1.77	+15 47.2	1.708	2.692	0.8	21.5
2 11	8 51.38	+16 30.2	1.702	2.678	4.0	21.8
2 21	8 41.75	+17 9.2	1.726	2.663	8.4	22.0
3 2	8 33.96	+17 40.4	1.775	2.647	12.5	22.2
3 12	8 28.74	+18 2.0	1.847	2.631	15.9	22.4

494764 2006 FU_{17} 2 2.3 247°.66 0°.7/ 2.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 25.89	+13 0.4	1.806	2.644	13.5	22.4
1 12	9 19.96	+13 29.8	1.716	2.629	9.9	22.1
1 22	9 11.67	+14 11.3	1.651	2.613	5.6	21.8
2 1	9 1.78	+15 0.7	1.613	2.597	1.1	21.5
2 11	8 51.41	+15 52.4	1.605	2.581	4.1	21.7
2 21	8 41.81	+16 40.7	1.625	2.564	8.7	21.9
3 2	8 34.08	+17 21.2	1.671	2.546	12.9	22.1
3 12	8 29.02	+17 51.3	1.738	2.528	16.5	22.3

381639 2008 YS_{96} 2 2.3 44°.64 0°.8/ 1.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 22.59	+17 27.1	1.902	2.753	12.4	21.2
1 12	9 17.23	+18 1.9	1.844	2.766	8.7	21.0
1 22	9 9.95	+18 42.8	1.812	2.779	4.7	20.8
2 1	9 1.55	+19 25.1	1.808	2.793	0.9	20.6
2 11	8 53.08	+20 3.4	1.833	2.807	4.0	20.8
2 21	8 45.56	+20 34.0	1.886	2.821	8.0	21.1
3 2	8 39.84	+20 54.4	1.964	2.835	11.5	21.3
3 12	8 36.46	+21 3.9	2.065	2.850	14.4	21.6

473760 2016 EC_{46} 2 2.3 101°.39 3°.8/30.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 25.82	+25 16.9	2.062	2.914	11.5	21.4
1 12	9 19.50	+26 31.4	2.013	2.933	8.2	21.2
1 22	9 11.18	+27 45.4	1.990	2.951	5.1	21.1
2 1	9 1.71	+28 51.6	1.997	2.969	3.8	21.0
2 11	8 52.16	+29 44.1	2.033	2.986	6.0	21.2
2 21	8 43.60	+30 19.5	2.098	3.003	9.1	21.4
3 2	8 36.91	+30 37.4	2.187	3.020	12.0	21.6
3 12	8 32.65	+30 39.3	2.298	3.036	14.5	21.8

218650 2005 SE_{95} 2 2.3 234°.38 8°.5/ 8.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 23.90	− 9 7.1	2.244	2.972	14.7	20.9
1 12	9 18.16	− 9 50.2	2.148	2.960	12.6	20.8
1 22	9 10.54	−10 11.7	2.074	2.947	10.5	20.6
2 1	9 1.66	−10 9.0	2.025	2.934	8.9	20.5
2 11	8 52.39	− 9 41.9	2.002	2.920	8.6	20.4
2 21	8 43.67	− 8 53.6	2.007	2.906	9.8	20.5
3 2	8 36.38	− 7 49.4	2.037	2.891	11.9	20.6
3 12	8 31.20	− 6 36.2	2.090	2.875	14.3	20.7

238974 2006 BN_{157} 2 2.3 254°.63 0°.6/ 2.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 2	9 24.52	+12 19.3	1.544	2.390	15.0	20.4
1 12	9 19.19	+13 6.8	1.467	2.384	10.9	20.1
1 22	9 11.32	+14 10.0	1.414	2.378	6.1	19.8
2 1	9 1.76	+15 23.2	1.388	2.372	1.1	19.4
2 11	8 51.79	+16 38.5	1.389	2.366	4.4	19.7
2 21	8 42.78	+17 48.1	1.419	2.360	9.5	19.9
3 2	8 35.92	+18 46.4	1.472	2.354	14.0	20.2
3 12	8 32.01	+19 30.3	1.547	2.347	17.8	20.4

83103 2001 QA_{238} 2 2.3 226°.48 2°.9/31.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 25.21	+25 38.7	2.390	3.237	10.3	19.0
1 12	9 18.94	+26 7.0	2.315	3.233	7.4	18.8
1 22	9 10.86	+26 34.0	2.267	3.229	4.5	18.6
2 1	9 1.69	+26 55.3	2.249	3.225	2.9	18.5
2 11	8 52.36	+27 6.9	2.261	3.220	4.9	18.6
2 21	8 43.82	+27 6.7	2.302	3.216	7.9	18.8
3 2	8 36.88	+26 54.7	2.369	3.211	10.9	19.0
3 12	8 32.10	+26 31.8	2.458	3.207	13.4	19.2

472438 2015 BV_{303} 2 2.3 94°.44 0°.5/ 1.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 20.76	+16 4.4	2.386	3.227	10.5	21.0
1 12	9 15.73	+16 51.5	2.314	3.231	7.5	20.8
1 22	9 9.09	+17 45.6	2.269	3.235	4.0	20.6
2 1	9 1.48	+18 42.2	2.254	3.239	0.6	20.3
2 11	8 53.71	+19 36.6	2.269	3.243	3.4	20.6
2 21	8 46.60	+20 24.6	2.314	3.247	6.9	20.8
3 2	8 40.87	+21 3.6	2.386	3.251	10.0	21.0
3 12	8 37.06	+21 32.0	2.481	3.255	12.6	21.2

384171 2009 BC_{35} 2 2.3 31°.33 1°.5/ 1.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 22.14	+19 7.3	1.900	2.754	12.2	20.8
1 12	9 16.99	+19 48.9	1.839	2.762	8.6	20.6
1 22	9 9.87	+20 35.7	1.803	2.770	4.7	20.4
2 1	9 1.57	+21 22.2	1.795	2.779	1.5	20.2
2 11	8 53.16	+22 3.0	1.816	2.788	4.4	20.4
2 21	8 45.67	+22 34.1	1.865	2.797	8.3	20.7
3 2	8 39.98	+22 53.3	1.940	2.807	11.8	20.9
3 12	8 36.66	+23 0.3	2.035	2.817	14.7	21.1

37560 1986 QK_{3} 2 2.3 130°.61 0°.4/ 2.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 27.09	+15 4.4	1.734	2.577	13.8	19.1
1 12	9 20.63	+15 56.3	1.673	2.590	9.8	18.9
1 22	9 11.91	+16 58.2	1.636	2.602	5.3	18.7
2 1	9 1.82	+18 3.9	1.628	2.613	0.7	18.4
2 11	8 51.59	+19 6.3	1.650	2.624	4.3	18.7
2 21	8 42.42	+19 59.8	1.700	2.635	8.7	19.0
3 2	8 35.32	+20 40.8	1.776	2.645	12.6	19.2
3 12	8 30.93	+21 8.4	1.873	2.654	15.8	19.4

67479 2000 RM_{11} 2 2.3 118°.08 2°.8/ 4.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 25.49	+ 7 13.7	1.718	2.541	14.8	19.3
1 12	9 19.45	+ 7 37.6	1.653	2.554	11.0	19.1
1 22	9 11.25	+ 8 18.5	1.612	2.566	6.9	18.9
2 1	9 1.75	+ 9 12.8	1.599	2.577	3.2	18.7
2 11	8 52.09	+10 14.7	1.614	2.589	4.3	18.8
2 21	8 43.44	+11 18.0	1.657	2.600	8.3	19.0
3 2	8 36.77	+12 16.9	1.727	2.610	12.2	19.3
3 12	8 32.68	+13 7.3	1.819	2.620	15.5	19.5

323784 2005 QZ_{90} 2 2.3 124°.76 1°.1/ 3.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 24.50	+11 18.4	2.107	2.935	12.3	21.4
1 12	9 18.44	+11 48.8	2.042	2.949	8.9	21.2
1 22	9 10.58	+12 29.9	2.003	2.963	5.1	21.0
2 1	9 1.66	+13 17.9	1.992	2.976	1.5	20.8
2 11	8 52.64	+14 8.0	2.012	2.988	3.4	20.9
2 21	8 44.46	+14 55.8	2.061	3.000	7.2	21.2
3 2	8 37.91	+15 37.5	2.138	3.012	10.6	21.4
3 12	8 33.55	+16 10.9	2.237	3.023	13.4	21.6

280443 2004 BO_{96} 2 2.3 66°.26 0°.1/ 2.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 21.58	+13 29.2	2.051	2.891	12.0	20.1
1 12	9 16.43	+14 20.3	1.990	2.905	8.6	19.9
1 22	9 9.51	+15 21.3	1.954	2.919	4.7	19.7
2 1	9 1.54	+16 27.1	1.948	2.933	0.6	19.4
2 11	8 53.46	+17 32.0	1.971	2.947	3.5	19.7
2 21	8 46.19	+18 31.0	2.024	2.961	7.4	19.9
3 2	8 40.55	+19 20.2	2.103	2.975	10.8	20.2
3 12	8 37.05	+19 57.9	2.204	2.990	13.6	20.4

188271 2003 AX_{40} 2 2.3 349°.07 2°.6/ 3.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 20.77	+ 8 25.8	1.431	2.276	16.0	20.0
1 12	9 16.58	+ 8 49.2	1.358	2.270	12.0	19.8
1 22	9 9.90	+ 9 32.2	1.306	2.265	7.3	19.5
2 1	9 1.60	+10 31.2	1.280	2.261	3.1	19.2
2 11	8 52.96	+11 39.4	1.281	2.258	4.6	19.3
2 21	8 45.30	+12 49.0	1.307	2.255	9.4	19.6
3 2	8 39.79	+13 52.9	1.358	2.253	13.9	19.8
3 12	8 37.19	+14 46.0	1.428	2.252	17.8	20.1

300382 2007 RQ_{156} 2 2.3 69°.91 0°.1/ 2.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 2	9 27.68	+14 47.3	1.427	2.278	15.7	21.1
1 12	9 21.22	+15 14.2	1.379	2.299	11.2	20.9
1 22	9 12.25	+15 51.7	1.354	2.319	6.1	20.7
2 1	9 1.86	+16 33.8	1.355	2.340	0.8	20.3
2 11	8 51.51	+17 14.1	1.384	2.361	4.5	20.7
2 21	8 42.55	+17 47.3	1.440	2.381	9.4	21.0
3 2	8 36.05	+18 10.4	1.521	2.402	13.6	21.3
3 12	8 32.58	+18 22.3	1.621	2.422	17.1	21.6

400015 2006 KH_{126} 2 2.3 122°.18 0°.3/ 2.5 18

1 2	9 27.19	+14 12.1	1.857	2.694	13.2	22.2
1 12	9 20.52	+14 40.0	1.796	2.709	9.5	22.0
1 22	9 11.78	+15 17.0	1.760	2.724	5.2	21.7
2 1	9 1.81	+15 58.6	1.753	2.738	0.8	21.4
2 11	8 51.77	+16 39.4	1.775	2.751	3.8	21.7
2 21	8 42.75	+17 15.0	1.827	2.764	8.0	22.0
3 2	8 35.69	+17 42.6	1.905	2.777	11.8	22.2
3 12	8 31.15	+18 0.6	2.005	2.788	14.8	22.5

81356 2000 GT_{53} 2 2.3 182°.30 1°.9/ 1.1 18

1 2	9 25.91	+20 13.9	1.944	2.793	12.2	20.3
1 12	9 19.73	+20 55.7	1.873	2.793	8.7	20.1
1 22	9 11.42	+21 41.9	1.828	2.794	4.8	19.8
2 1	9 1.78	+22 26.7	1.811	2.793	1.9	19.6
2 11	8 51.92	+23 4.6	1.824	2.793	4.7	19.8
2 21	8 42.97	+23 31.6	1.865	2.792	8.6	20.1
3 2	8 35.90	+23 46.0	1.932	2.791	12.2	20.3
3 12	8 31.35	+23 47.8	2.021	2.790	15.2	20.5

51237 2000 JZ_{33} 2 2.3 357°.30 2°.9/31.5 18

1 2	9 24.14	+23 38.1	1.865	2.722	12.3	18.6
1 12	9 18.54	+24 11.6	1.797	2.720	8.8	18.3
1 22	9 10.78	+24 46.1	1.754	2.719	5.1	18.1
2 1	9 1.70	+25 15.8	1.739	2.719	2.9	18.0
2 11	8 52.44	+25 35.6	1.753	2.718	5.4	18.1
2 21	8 44.17	+25 42.5	1.794	2.718	9.1	18.4
3 2	8 37.84	+25 35.8	1.860	2.719	12.6	18.6
3 12	8 34.08	+25 16.7	1.947	2.719	15.6	18.8

203844 2002 VW_{61} 2 2.3 87°.23 2°.8/ 4.4 18

1 2	9 22.22	+ 7 20.1	2.226	3.042	12.1	20.2
1 12	9 16.77	+ 7 18.9	2.153	3.049	9.1	20.0
1 22	9 9.66	+ 7 30.0	2.106	3.055	5.8	19.8
2 1	9 1.56	+ 7 51.5	2.086	3.062	3.1	19.6
2 11	8 53.33	+ 8 20.5	2.097	3.069	3.8	19.7
2 21	8 45.83	+ 8 53.4	2.136	3.076	6.9	19.9
3 2	8 39.79	+ 9 26.3	2.202	3.082	10.0	20.1
3 12	8 35.76	+ 9 56.2	2.292	3.089	12.8	20.3

257022 2008 FT_{23} 2 2.3 304°.98 4°.9/30.3 18

1 2	9 25.58	+26 23.8	1.611	2.474	13.5	20.6
1 12	9 20.08	+27 29.5	1.538	2.462	9.9	20.3
1 22	9 11.86	+28 35.8	1.489	2.450	6.3	20.1
2 1	9 1.84	+29 34.0	1.467	2.439	4.9	20.0
2 11	8 51.42	+30 15.7	1.472	2.427	7.5	20.1
2 21	8 42.05	+30 36.7	1.503	2.416	11.5	20.3
3 2	8 35.00	+30 36.1	1.557	2.405	15.3	20.5
3 12	8 31.09	+30 16.5	1.630	2.394	18.5	20.7

373734 2002 TH_{19} 2 2.3 56°.47 8°.4/28.1 18

1 2	9 32.19	+41 26.4	2.008	2.840	12.6	20.0
1 12	9 24.27	+42 17.5	1.965	2.851	10.3	19.9
1 22	9 13.84	+42 53.2	1.946	2.862	8.7	19.8
2 1	9 2.05	+43 6.2	1.954	2.873	8.6	19.8
2 11	8 50.39	+42 52.5	1.988	2.885	9.9	19.9
2 21	8 40.24	+42 12.9	2.048	2.896	12.0	20.1
3 2	8 32.63	+41 11.8	2.130	2.908	14.2	20.3
3 12	8 28.09	+39 54.8	2.232	2.920	16.1	20.4

500471 2012 TB_{228} 2 2.3 160°.19 0°.0/ 2.2 17

1 2	9 22.01	+15 31.2	2.655	3.488	9.8	22.4
1 12	9 16.45	+15 57.0	2.580	3.492	7.0	22.2
1 22	9 9.44	+16 28.7	2.533	3.496	3.8	22.0
2 1	9 1.54	+17 2.9	2.515	3.500	0.4	21.7
2 11	8 53.51	+17 36.2	2.528	3.503	3.0	21.9
2 21	8 46.10	+18 5.7	2.572	3.506	6.2	22.2
3 2	8 39.97	+18 29.0	2.643	3.509	9.1	22.3
3 12	8 35.60	+18 45.1	2.738	3.511	11.6	22.5

410041 2006 YB_{34} 2 2.3 66°.82 3°.3/31.3 18

1 2	9 26.40	+23 11.8	1.648	2.507	13.5	21.5
1 12	9 20.25	+24 4.9	1.596	2.520	9.6	21.3
1 22	9 11.72	+24 59.4	1.569	2.534	5.5	21.0
2 1	9 1.81	+25 48.0	1.569	2.548	3.3	20.9
2 11	8 51.85	+26 24.1	1.598	2.561	6.0	21.1
2 21	8 43.11	+26 44.3	1.653	2.575	9.9	21.4
3 2	8 36.63	+26 47.9	1.733	2.589	13.5	21.6
3 12	8 32.99	+26 36.7	1.832	2.603	16.5	21.9

4170 Semmelweis 2 2.3 206°.80 2°.7/ 4.7 18 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 2	9 20.64	+ 5 43.9	2.456	3.264	11.4	16.8
1 12	9 15.61	+ 6 6.3	2.371	3.261	8.6	16.6
1 22	9 9.04	+ 6 42.1	2.312	3.258	5.6	16.4
2 1	9 1.51	+ 7 29.4	2.281	3.255	3.0	16.3
2 11	8 53.76	+ 8 24.4	2.280	3.252	3.6	16.3
2 21	8 46.58	+ 9 23.0	2.309	3.248	6.4	16.5
3 2	8 40.68	+10 20.6	2.365	3.245	9.5	16.7
3 12	8 36.59	+11 13.6	2.446	3.241	12.2	16.8

432553 2010 JB_{47} 2 2.3 248°.93 3°.9/30.4 17

1 2	9 25.01	+28 19.3	2.358	3.206	10.4	21.8
1 12	9 18.88	+28 59.0	2.285	3.202	7.6	21.6
1 22	9 10.87	+29 35.9	2.240	3.197	4.9	21.4
2 1	9 1.72	+30 4.7	2.223	3.192	3.9	21.3
2 11	8 52.40	+30 21.2	2.236	3.187	5.7	21.4
2 21	8 43.89	+30 23.2	2.278	3.181	8.6	21.6
3 2	8 37.02	+30 10.8	2.345	3.176	11.3	21.8
3 12	8 32.40	+29 45.6	2.434	3.171	13.8	21.9

373075 2011 FU_{81} 2 2.3 49°.71 1°.3/ 1.4 18

1 2	9 23.55	+18 37.0	1.918	2.769	12.3	20.9
1 12	9 18.04	+19 18.0	1.850	2.771	8.7	20.6
1 22	9 10.49	+20 4.9	1.807	2.773	4.7	20.4
2 1	9 1.68	+20 52.3	1.792	2.776	1.4	20.2
2 11	8 52.69	+21 34.6	1.807	2.778	4.4	20.4
2 21	8 44.58	+22 7.6	1.849	2.781	8.4	20.6
3 2	8 38.29	+22 28.9	1.918	2.784	12.0	20.9
3 12	8 34.42	+22 38.0	2.007	2.786	15.0	21.1

239244 2006 TZ_{42} 2 2.3 213°.81 7°.4/ 9.7 18

1 2	9 20.18	−12 47.6	3.072	3.759	11.9	21.0
1 12	9 15.09	−13 15.9	2.977	3.752	10.4	20.9
1 22	9 8.70	−13 25.7	2.904	3.745	8.9	20.8
2 1	9 1.48	−13 15.7	2.856	3.737	7.7	20.7
2 11	8 54.04	−12 46.1	2.835	3.729	7.4	20.7
2 21	8 47.03	−11 59.5	2.842	3.721	8.0	20.7
3 2	8 41.03	−10 59.5	2.875	3.712	9.3	20.8
3 12	8 36.52	− 9 51.4	2.932	3.703	10.9	20.9

210176 2006 UM_{57} 2 2.3 240°.96 1°.7/31.9 17

1 2	9 22.20	+21 4.4	2.560	3.405	9.8	21.2
1 12	9 16.75	+21 41.0	2.479	3.398	6.9	21.0
1 22	9 9.68	+22 20.4	2.425	3.390	3.8	20.8
2 1	9 1.60	+22 58.4	2.401	3.383	1.7	20.7
2 11	8 53.32	+23 30.9	2.408	3.375	3.9	20.8
2 21	8 45.65	+23 55.1	2.444	3.367	7.1	21.0
3 2	8 39.34	+24 9.2	2.507	3.359	10.0	21.2
3 12	8 34.92	+24 13.1	2.592	3.351	12.5	21.3

427701 2004 FG_{38} 2 2.3 284°.70 4°.6/30.1 16

1 2	9 27.49	+30 51.8	2.351	3.196	10.5	21.3
1 12	9 20.82	+31 24.7	2.261	3.172	7.9	21.1
1 22	9 12.04	+31 52.9	2.197	3.149	5.5	20.9
2 1	9 1.89	+32 10.7	2.162	3.125	4.6	20.9
2 11	8 51.43	+32 13.6	2.157	3.101	6.4	20.9
2 21	8 41.72	+31 59.9	2.180	3.077	9.2	21.0
3 2	8 33.77	+31 30.0	2.229	3.052	12.1	21.2
3 12	8 28.22	+30 46.4	2.299	3.028	14.7	21.3

454893 2015 TN_{89} 2 2.3 41°.60 4°.1/31.5 17

1 2	9 28.41	+23 58.0	1.182	2.054	16.7	21.2
1 12	9 22.27	+24 43.7	1.139	2.069	11.9	21.0
1 22	9 13.02	+25 30.0	1.118	2.085	6.9	20.8
2 1	9 2.00	+26 7.3	1.122	2.101	4.2	20.6
2 11	8 51.05	+26 28.1	1.151	2.117	7.3	20.9
2 21	8 41.89	+26 29.3	1.205	2.135	12.0	21.2
3 2	8 35.75	+26 11.8	1.281	2.153	16.3	21.5
3 12	8 33.22	+25 39.0	1.374	2.171	19.8	21.8

325984 2010 VB_{177} 2 2.3 327°.23 0°.6/ 2.7 18

1 2	9 23.70	+14 5.0	1.524	2.377	14.8	21.0
1 12	9 18.63	+14 20.2	1.447	2.368	10.8	20.8
1 22	9 11.04	+14 47.0	1.393	2.359	6.1	20.5
2 1	9 1.79	+15 21.0	1.366	2.350	1.1	20.1
2 11	8 52.17	+15 56.8	1.365	2.342	4.4	20.3
2 21	8 43.54	+16 28.9	1.391	2.335	9.4	20.6
3 2	8 37.07	+16 53.4	1.442	2.328	13.9	20.8
3 12	8 33.54	+17 7.8	1.512	2.322	17.7	21.1

404785 2014 JW_{51} 2 2.3 116°.07 1°.2/ 1.6 18

1 2	9 27.49	+16 49.0	1.487	2.341	15.0	20.5
1 12	9 21.25	+17 43.8	1.428	2.350	10.7	20.3
1 22	9 12.40	+18 48.3	1.393	2.360	5.8	20.0
2 1	9 1.94	+19 55.0	1.385	2.369	1.3	19.8
2 11	8 51.30	+20 55.8	1.404	2.378	5.1	20.0
2 21	8 41.90	+21 44.5	1.451	2.386	9.9	20.3
3 2	8 34.91	+22 17.9	1.523	2.394	14.2	20.6
3 12	8 30.99	+22 35.7	1.614	2.402	17.7	20.9

291171 2006 AS_{28} 2 2.3 118°.74 1°.5/ 1.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 2	9 25.64	+19 54.1	2.028	2.875	11.9	21.5
1 12	9 19.39	+20 23.7	1.963	2.883	8.4	21.3
1 22	9 11.17	+20 57.0	1.924	2.890	4.6	21.1
2 1	9 1.79	+21 29.0	1.914	2.898	1.5	20.9
2 11	8 52.30	+21 55.2	1.934	2.905	4.3	21.1
2 21	8 43.73	+22 12.3	1.982	2.912	8.1	21.4
3 2	8 36.98	+22 19.0	2.057	2.918	11.5	21.6
3 12	8 32.60	+22 15.4	2.153	2.925	14.3	21.8

52735 1998 HR_{33} 2 2.3 339°.99 2°.2/ 3.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 21.15	+ 9 28.0	2.084	2.912	12.3	18.8
1 12	9 16.21	+ 9 31.0	2.003	2.907	9.2	18.5
1 22	9 9.46	+ 9 45.7	1.947	2.903	5.7	18.3
2 1	9 1.59	+10 10.0	1.919	2.899	2.5	18.1
2 11	8 53.50	+10 40.4	1.920	2.895	3.7	18.2
2 21	8 46.12	+11 13.1	1.950	2.892	7.2	18.4
3 2	8 40.26	+11 44.3	2.005	2.889	10.7	18.6
3 12	8 36.52	+12 11.0	2.084	2.886	13.7	18.8

66560 1999 RR_{135} 2 2.3 273°.26 1°.1/ 1.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 25.81	+17 21.2	1.611	2.464	14.1	18.5
1 12	9 20.19	+18 1.9	1.527	2.449	10.1	18.2
1 22	9 11.95	+18 52.2	1.467	2.434	5.5	17.9
2 1	9 1.92	+19 46.0	1.434	2.418	1.2	17.6
2 11	8 51.39	+20 36.1	1.429	2.403	5.0	17.8
2 21	8 41.75	+21 16.6	1.451	2.387	9.9	18.0
3 2	8 34.26	+21 43.9	1.498	2.371	14.3	18.3
3 12	8 29.76	+21 57.0	1.565	2.355	18.1	18.5

194465 2001 WJ_{11} 2 2.3 85°.28 3°.2/31.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 29.91	+21 32.7	1.450	2.308	15.1	20.7
1 12	9 22.88	+22 43.2	1.409	2.333	10.6	20.5
1 22	9 13.20	+23 56.8	1.391	2.357	6.0	20.2
2 1	9 2.04	+25 4.1	1.402	2.381	3.2	20.1
2 11	8 50.95	+25 57.0	1.440	2.405	6.3	20.4
2 21	8 41.38	+26 31.3	1.505	2.429	10.6	20.7
3 2	8 34.42	+26 46.4	1.594	2.451	14.4	21.0
3 12	8 30.64	+26 44.4	1.702	2.474	17.5	21.2

350609 2001 SJ_{41} 2 2.3 91°.90 0°.2/ 2.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 30.70	+16 23.2	1.469	2.317	15.5	21.1
1 12	9 23.35	+16 38.9	1.419	2.337	11.0	20.9
1 22	9 13.43	+17 2.5	1.391	2.357	6.0	20.7
2 1	9 2.07	+17 28.6	1.391	2.376	0.7	20.3
2 11	8 50.76	+17 51.7	1.420	2.395	4.6	20.7
2 21	8 40.91	+18 7.8	1.476	2.414	9.5	21.0
3 2	8 33.59	+18 14.8	1.556	2.432	13.7	21.3
3 12	8 29.38	+18 12.5	1.657	2.450	17.1	21.5

205002 1996 XZ_{4} 2 2.3 253°.73 0°.5/ 2.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 27.60	+15 6.3	1.657	2.501	14.2	20.4
1 12	9 21.28	+15 11.2	1.576	2.492	10.3	20.1
1 22	9 12.45	+15 24.8	1.519	2.484	5.8	19.8
2 1	9 1.98	+15 43.4	1.490	2.475	0.9	19.5
2 11	8 51.15	+16 2.2	1.489	2.466	4.3	19.7
2 21	8 41.30	+16 17.3	1.517	2.457	9.1	20.0
3 2	8 33.59	+16 25.9	1.569	2.447	13.5	20.2
3 12	8 28.77	+16 26.7	1.642	2.438	17.1	20.4

164313 2005 AL_{23} 2 2.3 99°.34 2°.1/ 1.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 29.04	+20 19.9	1.653	2.505	13.9	20.5
1 12	9 22.06	+21 6.4	1.603	2.524	9.8	20.3
1 22	9 12.70	+21 56.8	1.577	2.543	5.4	20.1
2 1	9 2.00	+22 44.1	1.580	2.562	2.1	19.9
2 11	8 51.31	+23 22.1	1.612	2.581	5.2	20.1
2 21	8 41.90	+23 46.9	1.671	2.599	9.4	20.4
3 2	8 34.79	+23 57.4	1.755	2.616	13.1	20.7
3 12	8 30.55	+23 54.6	1.860	2.633	16.2	20.9

492701 2014 PN_{67} 2 2.3 142°.34 0°.7/ 1.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 27.76	+17 8.3	2.015	2.854	12.3	22.3
1 12	9 20.88	+17 40.5	1.950	2.866	8.7	22.1
1 22	9 12.00	+18 18.8	1.912	2.877	4.7	21.9
2 1	9 1.92	+18 58.2	1.903	2.887	0.8	21.6
2 11	8 51.75	+19 33.8	1.924	2.897	3.9	21.9
2 21	8 42.53	+20 2.0	1.975	2.907	7.9	22.2
3 2	8 35.16	+20 20.6	2.052	2.915	11.4	22.4
3 12	8 30.22	+20 29.1	2.152	2.923	14.3	22.6

105371 2000 QD_{126} 2 2.4 118°.62 0°.7/ 2.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 27.57	+12 41.9	1.768	2.603	13.9	20.7
1 12	9 20.89	+13 15.3	1.709	2.621	10.0	20.5
1 22	9 12.05	+13 59.9	1.675	2.637	5.6	20.3
2 1	9 1.94	+14 50.8	1.669	2.653	1.1	20.0
2 11	8 51.76	+15 42.0	1.693	2.669	3.9	20.2
2 21	8 42.66	+16 28.4	1.745	2.684	8.2	20.5
3 2	8 35.58	+17 6.3	1.824	2.698	12.1	20.8
3 12	8 31.12	+17 33.9	1.924	2.712	15.2	21.0

87813 2000 SC_{147} 2 2.4 147°.75 1°.5/ 3.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 2	9 20.90	+10 0.8	2.784	3.602	9.9	20.2
1 12	9 15.61	+10 17.4	2.708	3.608	7.3	20.1
1 22	9 9.00	+10 42.8	2.659	3.614	4.4	19.9
2 1	9 1.58	+11 14.7	2.639	3.620	1.7	19.7
2 11	8 54.04	+11 50.2	2.650	3.626	2.8	19.8
2 21	8 47.06	+12 26.0	2.692	3.631	5.7	20.0
3 2	8 41.25	+12 59.5	2.762	3.636	8.5	20.2
3 12	8 37.06	+13 28.3	2.856	3.640	10.9	20.4

126723 2002 CP_{255} 2 2.4 6°.85 0°.1/ 2.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 18.32	+11 32.9	1.301	2.164	16.2	18.4
1 12	9 15.01	+13 4.0	1.239	2.165	11.6	18.2
1 22	9 9.14	+14 56.2	1.199	2.167	6.4	17.9
2 1	9 1.61	+17 0.3	1.185	2.170	0.7	17.5
2 11	8 53.77	+19 4.0	1.198	2.175	5.0	17.8
2 21	8 47.02	+20 55.5	1.237	2.181	10.3	18.1
3 2	8 42.56	+22 26.9	1.300	2.189	14.9	18.4
3 12	8 41.12	+23 34.6	1.382	2.197	18.8	18.7

444368 2005 YD_{2} 2 2.4 86°.26 2°.4/ 1.1 15

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 31.28	+20 20.3	1.413	2.268	15.5	21.9
1 12	9 23.85	+21 7.9	1.370	2.293	11.0	21.7
1 22	9 13.73	+21 59.7	1.351	2.318	6.0	21.4
2 1	9 2.14	+22 47.4	1.360	2.342	2.4	21.3
2 11	8 50.67	+23 24.0	1.396	2.366	5.7	21.6
2 21	8 40.80	+23 45.6	1.459	2.389	10.3	21.9
3 2	8 33.63	+23 51.5	1.546	2.412	14.4	22.2
3 12	8 29.70	+23 43.5	1.653	2.434	17.6	22.4

409888 2006 SH_{366} 2 2.4 88°.66 6°.9/29.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 32.20	+34 0.7	1.784	2.632	13.2	20.4
1 12	9 24.32	+35 8.5	1.747	2.655	10.1	20.3
1 22	9 13.92	+36 5.9	1.736	2.678	7.5	20.2
2 1	9 2.16	+36 44.7	1.752	2.701	7.0	20.2
2 11	8 50.54	+36 59.5	1.796	2.724	8.7	20.3
2 21	8 40.44	+36 50.0	1.866	2.746	11.4	20.6
3 2	8 32.89	+36 19.3	1.959	2.767	14.1	20.8
3 12	8 28.42	+35 32.4	2.072	2.789	16.5	21.0

463328 2012 KB_{43} 2 2.4 351°.52 7°.4/28.2 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 23.81	+30 42.4	1.441	2.312	14.4	20.7
1 12	9 19.11	+32 24.3	1.384	2.307	10.9	20.5
1 22	9 11.47	+34 2.6	1.350	2.303	8.0	20.3
2 1	9 1.91	+35 25.3	1.342	2.299	7.7	20.3
2 11	8 51.98	+36 22.6	1.360	2.296	10.1	20.4
2 21	8 43.33	+36 49.9	1.401	2.294	13.6	20.6
3 2	8 37.30	+36 48.0	1.464	2.293	17.0	20.8
3 12	8 34.68	+36 21.4	1.543	2.293	19.9	21.0

491010 2011 HH_{70} 2 2.4 232°.51 2°.1/ 1.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 29.83	+19 54.7	1.606	2.457	14.2	22.1
1 12	9 23.11	+20 37.4	1.525	2.446	10.2	21.8
1 22	9 13.60	+21 26.6	1.468	2.434	5.7	21.5
2 1	9 2.18	+22 15.2	1.439	2.421	2.1	21.3
2 11	8 50.28	+22 55.9	1.438	2.408	5.6	21.4
2 21	8 39.40	+23 23.5	1.465	2.394	10.4	21.7
3 2	8 30.84	+23 35.8	1.516	2.380	14.7	21.9
3 12	8 25.48	+23 33.4	1.588	2.364	18.4	22.1

55982 1998 RS_{61} 2 2.4 101°.91 4°.4/ 5.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 26.07	+ 4 15.8	1.468	2.290	17.0	19.2
1 12	9 20.18	+ 4 27.2	1.406	2.302	13.0	19.0
1 22	9 11.82	+ 5 0.8	1.366	2.313	8.6	18.8
2 1	9 1.95	+ 5 54.0	1.351	2.324	4.9	18.6
2 11	8 51.90	+ 7 0.7	1.363	2.336	5.4	18.7
2 21	8 43.01	+ 8 13.1	1.403	2.346	9.3	18.9
3 2	8 36.38	+ 9 23.7	1.467	2.357	13.5	19.2
3 12	8 32.67	+10 26.6	1.552	2.367	17.1	19.4

141031 2001 WT_{60} 2 2.4 165°.85 2°.0/31.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 22.86	+22 14.6	2.616	3.461	9.6	20.4
1 12	9 17.16	+22 52.7	2.545	3.463	6.8	20.2
1 22	9 9.90	+23 32.3	2.501	3.465	3.8	20.0
2 1	9 1.71	+24 9.3	2.487	3.468	2.0	19.9
2 11	8 53.38	+24 39.8	2.504	3.469	4.0	20.1
2 21	8 45.71	+25 1.0	2.551	3.471	7.0	20.3
3 2	8 39.41	+25 11.9	2.624	3.472	9.8	20.4
3 12	8 34.99	+25 12.5	2.721	3.473	12.1	20.6

60593 2000 EN_{146} 2 2.4 288°.73 3°.0/31.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 26.11	+20 14.4	1.360	2.226	15.4	19.6
1 12	9 20.85	+21 19.0	1.283	2.211	11.1	19.3
1 22	9 12.53	+22 32.9	1.229	2.197	6.2	18.9
2 1	9 2.07	+23 47.2	1.201	2.183	3.0	18.7
2 11	8 51.00	+24 51.6	1.200	2.169	6.7	18.9
2 21	8 41.03	+25 38.6	1.224	2.154	11.8	19.1
3 2	8 33.64	+26 5.0	1.270	2.140	16.5	19.4
3 12	8 29.76	+26 11.1	1.335	2.127	20.5	19.6

327295 2005 TS_{120} 2 2.4 210°.01 7°.2/ 7.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 2	9 22.28	− 5 24.5	2.037	2.798	15.0	21.8
1 12	9 17.09	− 5 37.1	1.953	2.795	12.5	21.6
1 22	9 10.02	− 5 26.6	1.890	2.793	9.8	21.5
2 1	9 1.74	− 4 52.0	1.853	2.790	7.7	21.3
2 11	8 53.17	− 3 55.6	1.843	2.786	7.3	21.3
2 21	8 45.28	− 2 42.5	1.860	2.783	9.0	21.4
3 2	8 38.95	− 1 19.3	1.903	2.779	11.6	21.5
3 12	8 34.80	+ 0 6.4	1.970	2.775	14.3	21.7

523773 2014 XS_{40} 2 2.4 34°.93 0°.6/ 8.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 3.16	− 5 39.7	36.328	37.042	1.1	21.2
1 12	9 2.40	− 5 38.7	36.240	37.045	0.9	21.2
1 22	9 1.57	− 5 36.4	36.178	37.048	0.7	21.2
2 1	9 0.70	− 5 32.8	36.143	37.052	0.6	21.1
2 11	8 59.83	− 5 28.1	36.136	37.055	0.6	21.1
2 21	8 58.99	− 5 22.5	36.158	37.058	0.6	21.2
3 2	8 58.20	− 5 16.0	36.209	37.061	0.8	21.2
3 12	8 57.52	− 5 9.0	36.285	37.065	1.0	21.2

501340 2013 YS_{4} 2 2.4 165°.65 2°.8/ 4.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 23.02	+ 6 21.4	2.915	3.712	10.0	21.5
1 12	9 17.06	+ 6 8.5	2.833	3.717	7.6	21.4
1 22	9 9.78	+ 6 5.0	2.778	3.721	5.1	21.2
2 1	9 1.71	+ 6 10.0	2.753	3.724	3.0	21.1
2 11	8 53.51	+ 6 21.9	2.759	3.728	3.4	21.1
2 21	8 45.86	+ 6 38.2	2.796	3.730	5.8	21.3
3 2	8 39.35	+ 6 56.6	2.862	3.733	8.3	21.4
3 12	8 34.44	+ 7 14.6	2.952	3.734	10.6	21.6

492393 2014 JR_{11} 2 2.4 175°.44 3°.6/31.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 28.75	+23 1.9	1.681	2.536	13.5	21.8
1 12	9 22.14	+24 12.0	1.616	2.538	9.7	21.6
1 22	9 12.95	+25 25.5	1.576	2.540	5.7	21.4
2 1	9 2.11	+26 33.6	1.564	2.541	3.6	21.2
2 11	8 50.98	+27 28.4	1.580	2.541	6.4	21.4
2 21	8 40.97	+28 5.0	1.624	2.541	10.4	21.6
3 2	8 33.23	+28 22.2	1.693	2.541	14.2	21.9
3 12	8 28.51	+28 21.8	1.781	2.540	17.4	22.1

15431 1998 UQ_{32} 2 2.4 51°.78 3°.4/31.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 26.66	+20 58.2	1.264	2.133	16.1	17.4
1 12	9 21.04	+22 8.7	1.213	2.143	11.4	17.2
1 22	9 12.45	+23 25.3	1.185	2.153	6.4	16.9
2 1	9 2.04	+24 37.8	1.183	2.164	3.4	16.8
2 11	8 51.50	+25 36.3	1.207	2.175	6.8	17.0
2 21	8 42.45	+26 15.0	1.256	2.186	11.6	17.3
3 2	8 36.18	+26 32.4	1.328	2.198	16.0	17.6
3 12	8 33.35	+26 30.3	1.418	2.210	19.5	17.9

76233 2000 EX_{78} 2 2.4 110°.82 1°.3/ 1.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 23.84	+19 16.9	2.199	3.045	11.1	19.2
1 12	9 18.04	+19 52.1	2.134	3.053	7.9	19.0
1 22	9 10.44	+20 31.5	2.095	3.061	4.3	18.8
2 1	9 1.79	+21 10.3	2.085	3.068	1.3	18.6
2 11	8 53.03	+21 44.1	2.105	3.076	4.0	18.8
2 21	8 45.07	+22 9.5	2.154	3.083	7.5	19.1
3 2	8 38.73	+22 24.9	2.229	3.090	10.7	19.3
3 12	8 34.55	+22 29.9	2.327	3.097	13.4	19.5

29305 1993 TJ_{38} 2 2.4 56°.78 4°.8/ 5.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 22.26	+ 1 50.2	1.739	2.546	15.3	18.5
1 12	9 17.27	+ 2 3.5	1.665	2.549	12.0	18.3
1 22	9 10.19	+ 2 38.6	1.613	2.552	8.4	18.1
2 1	9 1.78	+ 3 33.8	1.587	2.554	5.3	17.9
2 11	8 53.12	+ 4 44.3	1.589	2.557	5.4	17.9
2 21	8 45.31	+ 6 3.3	1.619	2.560	8.5	18.1
3 2	8 39.32	+ 7 23.5	1.674	2.564	12.1	18.3
3 12	8 35.79	+ 8 38.2	1.752	2.567	15.4	18.5

206960 2004 SQ_{19} 2 2.4 231°.71 4°.3/30.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 29.15	+29 22.2	2.230	3.074	11.0	20.6
1 12	9 22.01	+29 57.6	2.151	3.064	8.2	20.4
1 22	9 12.72	+30 29.0	2.099	3.054	5.4	20.2
2 1	9 2.09	+30 50.5	2.077	3.043	4.4	20.1
2 11	8 51.23	+30 57.5	2.084	3.032	6.2	20.2
2 21	8 41.26	+30 48.2	2.119	3.020	9.2	20.3
3 2	8 33.17	+30 23.2	2.180	3.008	12.2	20.5
3 12	8 27.59	+29 45.1	2.263	2.996	14.8	20.7

376183 2011 CS_{35} 2 2.4 245°.76 1°.0/ 1.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 27.32	+19 32.0	2.029	2.873	12.0	20.8
1 12	9 20.73	+19 38.9	1.948	2.865	8.6	20.5
1 22	9 12.03	+19 48.9	1.892	2.858	4.7	20.3
2 1	9 2.01	+19 58.1	1.866	2.850	1.1	20.0
2 11	8 51.75	+20 2.9	1.869	2.842	4.1	20.2
2 21	8 42.35	+20 0.6	1.901	2.834	8.1	20.4
3 2	8 34.78	+19 50.4	1.960	2.826	11.8	20.6
3 12	8 29.67	+19 32.2	2.041	2.817	14.9	20.8

239291 2007 PF_{13} 2 2.4 180°.75 1°.5/ 1.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 2	9 27.94	+18 48.6	1.941	2.784	12.5	21.5
1 12	9 21.24	+19 34.8	1.868	2.786	8.9	21.3
1 22	9 12.34	+20 26.8	1.821	2.787	4.8	21.0
2 1	9 2.05	+21 18.8	1.804	2.787	1.5	20.8
2 11	8 51.51	+22 4.7	1.816	2.787	4.5	21.0
2 21	8 41.89	+22 40.2	1.857	2.785	8.6	21.3
3 2	8 34.18	+23 3.0	1.925	2.783	12.3	21.5
3 12	8 29.04	+23 13.1	2.014	2.780	15.4	21.7

370029 2000 QN_{64} 2 2.4 223°.70 1°.1/ 1.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 24.77	+18 22.0	2.584	3.420	10.0	22.0
1 12	9 18.66	+19 9.8	2.492	3.407	7.1	21.8
1 22	9 10.83	+20 3.0	2.428	3.393	3.9	21.5
2 1	9 1.87	+20 57.2	2.394	3.378	1.1	21.3
2 11	8 52.60	+21 47.7	2.392	3.362	3.7	21.5
2 21	8 43.86	+22 30.7	2.421	3.346	7.0	21.7
3 2	8 36.46	+23 3.7	2.477	3.329	10.1	21.8
3 12	8 30.99	+23 25.8	2.557	3.311	12.8	22.0

280034 2001 XC_{206} 2 2.4 128°.00 3°.0/30.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 23.16	+26 19.5	2.982	3.825	8.6	21.0
1 12	9 17.24	+27 21.8	2.926	3.841	6.2	20.8
1 22	9 9.90	+28 22.9	2.899	3.857	3.9	20.7
2 1	9 1.75	+29 18.1	2.903	3.872	3.0	20.7
2 11	8 53.50	+30 3.4	2.939	3.887	4.6	20.8
2 21	8 45.88	+30 36.6	3.004	3.902	6.9	21.0
3 2	8 39.53	+30 56.7	3.096	3.916	9.2	21.1
3 12	8 34.90	+31 4.6	3.210	3.929	11.1	21.3

88032 2000 UR_{87} 2 2.4 272°.84 7°.4/ 8.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 19.59	− 9 15.3	2.537	3.264	13.2	19.7
1 12	9 14.93	− 9 36.8	2.447	3.257	11.3	19.5
1 22	9 8.77	− 9 37.8	2.378	3.251	9.4	19.4
2 1	9 1.64	− 9 17.1	2.334	3.244	7.8	19.3
2 11	8 54.27	− 8 35.5	2.317	3.237	7.4	19.2
2 21	8 47.42	− 7 36.5	2.327	3.230	8.4	19.3
3 2	8 41.76	− 6 25.1	2.363	3.224	10.2	19.4
3 12	8 37.85	− 5 7.3	2.424	3.217	12.3	19.5

461246 2015 WZ_{15} 2 2.4 22°.58 4°.1/30.9 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 24.08	+21 57.1	1.213	2.089	16.2	20.4
1 12	9 19.37	+23 20.1	1.162	2.094	11.5	20.1
1 22	9 11.63	+24 49.2	1.133	2.101	6.7	19.9
2 1	9 1.99	+26 12.8	1.129	2.108	4.2	19.8
2 11	8 52.15	+27 20.2	1.151	2.116	7.6	20.0
2 21	8 43.77	+28 4.7	1.197	2.125	12.3	20.3
3 2	8 38.17	+28 24.7	1.265	2.135	16.6	20.5
3 12	8 36.06	+28 22.5	1.350	2.145	20.2	20.8

354939 2006 EL_{23} 2 2.4 269°.33 0°.5/ 2.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 27.33	+16 28.3	1.617	2.466	14.3	21.8
1 12	9 21.35	+16 53.8	1.528	2.447	10.3	21.5
1 22	9 12.68	+17 28.9	1.462	2.428	5.7	21.2
2 1	9 2.15	+18 8.3	1.424	2.409	0.8	20.8
2 11	8 51.04	+18 45.8	1.414	2.389	4.7	21.0
2 21	8 40.79	+19 16.1	1.431	2.369	9.8	21.3
3 2	8 32.70	+19 35.7	1.473	2.348	14.4	21.5
3 12	8 27.65	+19 43.5	1.535	2.328	18.2	21.7

459731 2013 PS_{73} 2 2.4 186°.28 3°.4/ 4.6 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 25.37	+ 6 11.5	2.310	3.113	12.1	21.4
1 12	9 19.06	+ 5 54.5	2.227	3.113	9.3	21.2
1 22	9 11.03	+ 5 49.4	2.169	3.113	6.2	21.0
2 1	9 1.92	+ 5 55.2	2.140	3.111	3.6	20.9
2 11	8 52.60	+ 6 10.0	2.141	3.110	4.2	20.9
2 21	8 43.96	+ 6 30.6	2.172	3.108	7.1	21.1
3 2	8 36.80	+ 6 53.9	2.231	3.106	10.2	21.3
3 12	8 31.67	+ 7 16.5	2.313	3.103	12.9	21.4

160770 2000 SF_{188} 2 2.4 141°.76 2°.2/31.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 29.12	+21 0.6	1.874	2.720	12.7	20.9
1 12	9 22.06	+21 46.9	1.813	2.731	9.0	20.7
1 22	9 12.76	+22 36.3	1.777	2.742	5.0	20.5
2 1	9 2.14	+23 22.7	1.771	2.753	2.2	20.3
2 11	8 51.40	+24 0.0	1.795	2.762	5.0	20.5
2 21	8 41.74	+24 24.7	1.847	2.771	8.9	20.7
3 2	8 34.15	+24 35.6	1.925	2.780	12.5	21.0
3 12	8 29.23	+24 33.6	2.025	2.787	15.4	21.2

428184 2006 UW_{47} 2 2.4 171°.79 3°.8/ 5.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 21.18	+ 2 50.1	2.606	3.397	11.3	21.0
1 12	9 15.94	+ 2 44.9	2.524	3.399	8.8	20.9
1 22	9 9.27	+ 2 53.0	2.467	3.400	6.2	20.7
2 1	9 1.71	+ 3 13.6	2.437	3.401	4.1	20.6
2 11	8 53.99	+ 3 44.4	2.438	3.402	4.2	20.6
2 21	8 46.83	+ 4 22.2	2.468	3.402	6.4	20.7
3 2	8 40.89	+ 5 3.3	2.526	3.403	9.0	20.9
3 12	8 36.65	+ 5 44.0	2.609	3.403	11.5	21.0

80102 1999 NS_{42} 2 2.4 206°.64 0°.1/ 2.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 2	9 22.77	+16 33.0	2.968	3.798	9.0	20.0
1 12	9 16.97	+16 44.7	2.882	3.793	6.4	19.8
1 22	9 9.79	+17 0.5	2.824	3.787	3.5	19.6
2 1	9 1.78	+17 17.9	2.797	3.782	0.4	19.3
2 11	8 53.61	+17 34.3	2.801	3.775	2.7	19.5
2 21	8 45.97	+17 47.4	2.836	3.769	5.7	19.7
3 2	8 39.49	+17 55.7	2.899	3.762	8.5	19.9
3 12	8 34.62	+17 58.3	2.987	3.755	10.8	20.0

223677 2004 PL_{81} 2 2.4 105°.30 0°.6/ 2.8 18

1 2	9 24.15	+12 20.9	2.177	3.007	11.8	20.9
1 12	9 18.19	+13 6.5	2.119	3.028	8.5	20.7
1 22	9 10.53	+14 1.8	2.086	3.048	4.7	20.5
2 1	9 1.88	+15 2.3	2.083	3.067	0.9	20.3
2 11	8 53.17	+16 2.9	2.111	3.087	3.3	20.5
2 21	8 45.28	+16 58.8	2.168	3.105	7.0	20.8
3 2	8 38.98	+17 46.5	2.253	3.124	10.2	21.0
3 12	8 34.78	+18 24.1	2.361	3.141	13.0	21.2

409520 2005 TP_{77} 2 2.4 127°.48 5°.1/29.7 18

1 2	9 28.24	+29 57.6	2.033	2.883	11.7	21.0
1 12	9 21.43	+31 1.1	1.979	2.893	8.7	20.8
1 22	9 12.42	+32 0.1	1.951	2.903	6.0	20.6
2 1	9 2.12	+32 47.1	1.951	2.913	5.2	20.6
2 11	8 51.72	+33 16.8	1.981	2.922	7.1	20.7
2 21	8 42.39	+33 26.9	2.038	2.931	9.9	20.9
3 2	8 35.11	+33 18.3	2.119	2.940	12.8	21.1
3 12	8 30.47	+32 53.9	2.221	2.948	15.2	21.3

312226 2007 XR_{10} 2 2.4 353°.23 0°.9/ 1.9 18

1 2	9 24.57	+17 40.4	1.267	2.134	16.2	20.5
1 12	9 19.65	+17 59.2	1.201	2.129	11.6	20.2
1 22	9 11.80	+18 27.0	1.157	2.126	6.4	19.9
2 1	9 2.06	+18 57.7	1.138	2.123	1.1	19.6
2 11	8 52.02	+19 24.5	1.145	2.121	5.3	19.9
2 21	8 43.26	+19 42.1	1.176	2.120	10.8	20.2
3 2	8 37.13	+19 47.8	1.230	2.119	15.6	20.4
3 12	8 34.39	+19 40.9	1.303	2.120	19.6	20.7

319682 2006 TL_{88} 2 2.4 342°.14 2°.7/ 3.6 18

1 2	9 21.82	+10 51.5	1.262	2.120	16.9	19.8
1 12	9 17.72	+10 41.5	1.187	2.107	12.6	19.5
1 22	9 10.79	+10 47.4	1.133	2.095	7.7	19.2
2 1	9 1.95	+11 7.1	1.102	2.084	3.1	18.9
2 11	8 52.65	+11 35.7	1.097	2.074	5.1	19.0
2 21	8 44.43	+12 7.2	1.116	2.066	10.3	19.3
3 2	8 38.66	+12 36.1	1.157	2.059	15.3	19.5
3 12	8 36.18	+12 57.8	1.218	2.053	19.6	19.8

232992 2005 EW_{155} 2 2.4 210°.85 4°.1/30.2 18

1 2	9 25.70	+29 5.8	2.409	3.256	10.2	20.5
1 12	9 19.41	+29 49.2	2.339	3.253	7.5	20.3
1 22	9 11.27	+30 29.4	2.295	3.250	5.0	20.2
2 1	9 1.99	+31 0.9	2.281	3.246	4.1	20.1
2 11	8 52.54	+31 19.4	2.296	3.243	5.9	20.2
2 21	8 43.89	+31 22.8	2.340	3.239	8.6	20.4
3 2	8 36.89	+31 11.4	2.409	3.235	11.3	20.6
3 12	8 32.11	+30 46.8	2.500	3.231	13.6	20.7

502737 2015 DD_{38} 2 2.4 221°.91 1°.5/ 1.1 17

1 2	9 22.26	+19 55.9	2.463	3.308	10.1	21.6
1 12	9 16.89	+20 39.4	2.385	3.304	7.2	21.4
1 22	9 9.88	+21 26.9	2.334	3.300	3.9	21.2
2 1	9 1.82	+22 13.8	2.313	3.296	1.5	21.0
2 11	8 53.56	+22 55.8	2.322	3.291	3.9	21.2
2 21	8 45.94	+23 29.3	2.361	3.287	7.2	21.4
3 2	8 39.70	+23 52.4	2.427	3.282	10.2	21.6
3 12	8 35.41	+24 4.5	2.515	3.277	12.8	21.7

84663 2002 VW_{80} 2 2.4 261°.60 4°.8/29.1 18

1 2	9 23.59	+29 18.0	2.254	3.107	10.6	18.9
1 12	9 18.11	+30 36.4	2.187	3.104	7.9	18.7
1 22	9 10.65	+31 52.6	2.148	3.100	5.5	18.6
2 1	9 1.92	+32 59.5	2.137	3.097	4.9	18.5
2 11	8 52.94	+33 51.2	2.156	3.094	6.8	18.6
2 21	8 44.72	+34 24.4	2.201	3.091	9.5	18.8
3 2	8 38.18	+34 38.4	2.272	3.087	12.2	19.0
3 12	8 33.96	+34 35.1	2.363	3.084	14.5	19.1

165778 2001 QN_{266} 2 2.4 102°.82 4°.5/ 6.1 18

1 2	9 22.00	+ 0 58.6	2.422	3.206	12.2	20.0
1 12	9 16.55	+ 0 50.2	2.352	3.220	9.6	19.8
1 22	9 9.61	+ 0 57.1	2.306	3.233	6.9	19.7
2 1	9 1.79	+ 1 18.7	2.288	3.246	4.8	19.6
2 11	8 53.87	+ 1 52.4	2.299	3.259	4.8	19.6
2 21	8 46.61	+ 2 34.7	2.340	3.271	6.9	19.7
3 2	8 40.70	+ 3 21.2	2.408	3.284	9.4	19.9
3 12	8 36.60	+ 4 7.6	2.499	3.296	11.9	20.1

172019 2001 UP_{163} 2 2.4 27°.80 4°.7/29.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 2	9 24.83	+29 41.5	2.111	2.964	11.2	20.1
1 12	9 18.97	+30 33.4	2.051	2.967	8.3	19.9
1 22	9 11.08	+31 21.3	2.017	2.971	5.6	19.7
2 1	9 1.98	+31 58.8	2.011	2.974	4.8	19.7
2 11	8 52.75	+32 21.1	2.033	2.978	6.6	19.8
2 21	8 44.47	+32 25.9	2.083	2.982	9.5	20.0
3 2	8 38.05	+32 13.8	2.157	2.986	12.3	20.2
3 12	8 34.05	+31 46.9	2.252	2.990	14.7	20.4

112875 2002 QM_{40} 2 2.4 227°.49 1°.9/ 1.3 18

1 2	9 29.01	+18 56.0	1.581	2.432	14.4	20.3
1 12	9 22.58	+19 47.6	1.502	2.423	10.3	20.1
1 22	9 13.38	+20 47.5	1.447	2.413	5.7	19.8
2 1	9 2.30	+21 48.3	1.420	2.403	1.9	19.5
2 11	8 50.73	+22 42.0	1.421	2.392	5.5	19.7
2 21	8 40.18	+23 22.5	1.450	2.381	10.3	20.0
3 2	8 31.94	+23 47.0	1.503	2.368	14.7	20.2
3 12	8 26.87	+23 55.6	1.577	2.355	18.4	20.4

173062 2006 SD_{86} 2 2.4 289°.39 0°.1/ 2.5 17

1 2	9 21.78	+14 57.6	2.282	3.120	11.0	20.8
1 12	9 16.67	+15 20.6	2.195	3.109	7.9	20.5
1 22	9 9.82	+15 51.1	2.134	3.098	4.4	20.3
2 1	9 1.84	+16 25.9	2.102	3.087	0.6	20.0
2 11	8 53.60	+17 0.8	2.100	3.076	3.3	20.2
2 21	8 45.99	+17 32.1	2.127	3.065	7.0	20.4
3 2	8 39.80	+17 57.2	2.181	3.054	10.4	20.6
3 12	8 35.64	+18 14.2	2.258	3.043	13.3	20.8

336515 2008 XU_{40} 2 2.4 37°.56 3°.1/30.9 18

1 2	9 22.63	+22 22.7	1.867	2.726	12.2	19.9
1 12	9 17.54	+23 35.2	1.809	2.733	8.6	19.7
1 22	9 10.36	+24 51.0	1.776	2.741	5.0	19.5
2 1	9 1.91	+26 2.6	1.771	2.749	3.1	19.4
2 11	8 53.28	+27 3.2	1.796	2.758	5.7	19.5
2 21	8 45.59	+27 48.2	1.848	2.767	9.3	19.8
3 2	8 39.77	+28 15.8	1.924	2.776	12.6	20.0
3 12	8 36.44	+28 26.6	2.021	2.785	15.4	20.2

363337 2002 PN_{190} 2 2.4 258°.76 1°.9/ 1.2 13 C

1 2	9 27.63	+20 10.2	1.854	2.702	12.8	22.3
1 12	9 21.35	+20 47.1	1.763	2.683	9.2	22.0
1 22	9 12.62	+21 29.4	1.698	2.663	5.1	21.7
2 1	9 2.21	+22 11.2	1.661	2.643	1.9	21.4
2 11	8 51.31	+22 46.4	1.653	2.623	5.0	21.6
2 21	8 41.19	+23 10.6	1.673	2.602	9.4	21.8
3 2	8 33.02	+23 21.7	1.719	2.580	13.4	22.0
3 12	8 27.62	+23 19.5	1.786	2.558	16.8	22.2

207374 2005 LJ_{42} 2 2.4 235°.94 0°.0/ 2.3 17

1 2	9 21.69	+15 10.7	2.583	3.417	10.0	21.6
1 12	9 16.42	+15 38.5	2.497	3.409	7.2	21.4
1 22	9 9.61	+16 12.9	2.438	3.401	4.0	21.2
2 1	9 1.82	+16 50.7	2.408	3.393	0.5	20.9
2 11	8 53.82	+17 28.2	2.410	3.385	3.0	21.1
2 21	8 46.37	+18 2.1	2.441	3.376	6.4	21.3
3 2	8 40.19	+18 29.7	2.500	3.367	9.5	21.5
3 12	8 35.81	+18 49.6	2.582	3.358	12.1	21.6

319470 2006 PA_{7} 2 2.4 90°.41 1°.6/ 1.4 18

1 2	9 28.63	+19 11.1	1.745	2.593	13.4	21.6
1 12	9 21.67	+19 53.3	1.697	2.617	9.5	21.4
1 22	9 12.52	+20 40.0	1.675	2.641	5.1	21.2
2 1	9 2.17	+21 24.9	1.681	2.665	1.6	21.0
2 11	8 51.86	+22 2.3	1.717	2.688	4.7	21.2
2 21	8 42.78	+22 28.5	1.780	2.710	8.8	21.5
3 2	8 35.86	+22 42.1	1.870	2.733	12.4	21.8
3 12	8 31.62	+22 43.6	1.980	2.754	15.3	22.0

336985 2011 KL_{38} 2 2.4 198°.05 2°.2/ 4.3 18

1 2	9 21.16	+ 7 25.2	2.281	3.098	11.8	20.9
1 12	9 16.16	+ 7 53.2	2.200	3.097	8.8	20.7
1 22	9 9.51	+ 8 34.7	2.144	3.096	5.5	20.5
2 1	9 1.82	+ 9 26.9	2.117	3.095	2.6	20.3
2 11	8 53.91	+10 25.7	2.119	3.094	3.4	20.3
2 21	8 46.63	+11 26.2	2.152	3.093	6.7	20.5
3 2	8 40.74	+12 23.9	2.211	3.091	10.0	20.7
3 12	8 36.78	+13 15.2	2.294	3.090	12.8	20.9

162645 2000 SV_{207} 2 2.4 162°.03 1°.3/ 1.6 18

1 2	9 28.53	+18 30.8	1.892	2.735	12.8	21.3
1 12	9 21.68	+19 7.6	1.824	2.741	9.1	21.1
1 22	9 12.62	+19 50.0	1.781	2.747	4.9	20.9
2 1	9 2.20	+20 32.4	1.767	2.751	1.3	20.6
2 11	8 51.61	+21 9.3	1.784	2.756	4.4	20.8
2 21	8 42.00	+21 36.7	1.829	2.759	8.6	21.1
3 2	8 34.37	+21 52.7	1.900	2.762	12.3	21.3
3 12	8 29.36	+21 57.1	1.992	2.764	15.3	21.5

471174 2010 JZ_{113} 2 2.4 237.°52 5.°4/ 7.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 2	9 19.69	− 4 43.5	2.587	3.341	12.3	21.2
1 12	9 15.00	− 4 23.9	2.493	3.334	10.1	21.1
1 22	9 8.84	− 3 44.5	2.422	3.327	7.8	20.9
2 1	9 1.74	− 2 45.8	2.378	3.320	5.9	20.8
2 11	8 54.41	− 1 30.7	2.363	3.313	5.5	20.7
2 21	8 47.57	− 0 3.9	2.378	3.305	7.0	20.8
3 2	8 41.90	+ 1 28.8	2.422	3.298	9.4	20.9
3 12	8 37.92	+ 3 1.5	2.490	3.290	11.8	21.1

422547 2014 TY_{29} 2 2.4 134.°55 0.°7/ 2.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 25.80	+12 49.6	2.189	3.017	11.8	21.5
1 12	9 19.41	+13 18.9	2.123	3.031	8.5	21.3
1 22	9 11.24	+13 57.1	2.084	3.045	4.8	21.1
2 1	9 2.03	+14 40.5	2.074	3.058	1.0	20.9
2 11	8 52.72	+15 24.5	2.094	3.070	3.3	21.1
2 21	8 44.23	+16 5.2	2.145	3.082	7.0	21.3
3 2	8 37.37	+16 39.3	2.223	3.093	10.4	21.5
3 12	8 32.65	+17 5.3	2.324	3.104	13.2	21.8

400620 2009 CZ_{60} 2 2.4 69.°15 1.°8/ 1.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 25.79	+17 48.7	1.466	2.325	14.9	20.5
1 12	9 20.15	+18 51.1	1.410	2.335	10.6	20.3
1 22	9 11.93	+20 2.5	1.377	2.345	5.7	20.0
2 1	9 2.13	+21 14.8	1.371	2.355	1.8	19.8
2 11	8 52.16	+22 19.4	1.393	2.365	5.4	20.0
2 21	8 43.42	+23 10.0	1.442	2.376	10.1	20.3
3 2	8 37.04	+23 43.8	1.514	2.386	14.2	20.6
3 12	8 33.69	+24 0.5	1.606	2.396	17.7	20.9

134067 2004 XO_{60} 2 2.4 151.°47 0.°6/ 2.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 27.79	+13 29.2	2.043	2.872	12.5	20.6
1 12	9 20.95	+13 55.7	1.974	2.883	9.0	20.4
1 22	9 12.15	+14 31.2	1.931	2.893	5.1	20.2
2 1	9 2.16	+15 11.7	1.917	2.902	0.9	19.9
2 11	8 52.02	+15 52.4	1.934	2.910	3.6	20.1
2 21	8 42.78	+16 29.1	1.981	2.917	7.6	20.4
3 2	8 35.32	+16 58.8	2.055	2.924	11.1	20.6
3 12	8 30.23	+17 20.0	2.151	2.930	14.1	20.8

356045 2009 CS_{40} 2 2.4 300.°47 0.°3/ 2.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 27.91	+15 42.3	1.494	2.345	15.2	20.4
1 12	9 21.73	+15 44.5	1.421	2.340	11.0	20.1
1 22	9 12.86	+15 55.4	1.371	2.336	6.1	19.8
2 1	9 2.26	+16 10.9	1.348	2.332	0.9	19.4
2 11	8 51.36	+16 26.0	1.352	2.329	4.5	19.7
2 21	8 41.59	+16 36.7	1.383	2.325	9.6	20.0
3 2	8 34.19	+16 40.4	1.438	2.321	14.2	20.2
3 12	8 29.90	+16 36.0	1.514	2.318	17.9	20.5

205481 2001 QZ_{208} 2 2.4 97.°38 0.°2/ 2.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 22.11	+13 41.3	2.395	3.228	10.8	20.7
1 12	9 16.69	+14 26.9	2.334	3.245	7.7	20.5
1 22	9 9.72	+15 20.6	2.299	3.262	4.2	20.4
2 1	9 1.86	+16 18.1	2.294	3.278	0.6	20.1
2 11	8 53.91	+17 14.9	2.319	3.295	3.1	20.3
2 21	8 46.67	+18 6.7	2.375	3.311	6.5	20.6
3 2	8 40.84	+18 50.6	2.458	3.326	9.6	20.8
3 12	8 36.90	+19 24.9	2.565	3.342	12.1	21.0

154659 2004 FT_{20} 2 2.4 203.°49 3.°0/31.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 31.47	+23 5.4	1.681	2.531	13.8	20.6
1 12	9 24.16	+23 43.0	1.608	2.528	9.9	20.4
1 22	9 14.16	+24 22.4	1.559	2.523	5.7	20.1
2 1	9 2.44	+24 56.4	1.539	2.518	3.0	19.9
2 11	8 50.40	+25 18.8	1.547	2.513	5.9	20.1
2 21	8 39.51	+25 26.1	1.583	2.507	10.2	20.3
3 2	8 30.99	+25 17.8	1.645	2.500	14.2	20.6
3 12	8 25.57	+24 56.0	1.726	2.492	17.5	20.8

118320 1998 XB_{11} 2 2.4 314.°22 0.°1/ 2.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 24.68	+16 13.6	1.521	2.377	14.6	19.5
1 12	9 19.57	+16 25.0	1.435	2.357	10.6	19.2
1 22	9 11.78	+16 45.7	1.371	2.338	5.9	18.9
2 1	9 2.16	+17 11.1	1.334	2.319	0.7	18.5
2 11	8 52.01	+17 35.9	1.324	2.301	4.6	18.7
2 21	8 42.77	+17 55.1	1.340	2.283	9.8	19.0
3 2	8 35.73	+18 5.5	1.381	2.265	14.5	19.2
3 12	8 31.74	+18 5.6	1.441	2.249	18.5	19.4

357977 2006 BX_{168} 2 2.4 20.°49 2.°5/ 1.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 29.51	+21 50.6	1.265	2.131	16.3	20.9
1 12	9 23.17	+22 5.2	1.206	2.134	11.7	20.7
1 22	9 13.72	+22 22.5	1.170	2.137	6.5	20.4
2 1	9 2.38	+22 35.5	1.158	2.141	2.5	20.1
2 11	8 50.90	+22 38.1	1.173	2.145	6.1	20.4
2 21	8 40.97	+22 27.3	1.213	2.150	11.2	20.7
3 2	8 33.93	+22 3.5	1.276	2.155	15.8	21.0
3 12	8 30.47	+21 28.3	1.357	2.161	19.7	21.2

76905 2000 YU_{116} 2 2.4 269.°22 0.°6/ 2.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 2	9 31.08	+19 0.8	1.707	2.552	13.9	18.8
1 12	9 23.90	+18 51.3	1.618	2.536	10.0	18.5
1 22	9 14.06	+18 45.0	1.554	2.519	5.6	18.2
2 1	9 2.44	+18 37.9	1.518	2.503	0.8	17.8
2 11	8 50.39	+18 26.3	1.511	2.486	4.5	18.1
2 21	8 39.32	+18 8.1	1.532	2.468	9.4	18.3
3 2	8 30.47	+17 42.7	1.579	2.451	13.8	18.5
3 12	8 24.64	+17 10.6	1.648	2.434	17.5	18.7

15143 2000 EX_{108} 2 2.4 49.°21 1.°9/ 3.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 21.04	+ 8 15.1	1.985	2.812	12.9	17.4
1 12	9 16.23	+ 8 54.4	1.915	2.819	9.6	17.2
1 22	9 9.61	+ 9 48.5	1.870	2.826	5.8	17.0
2 1	9 1.87	+10 53.7	1.853	2.834	2.3	16.8
2 11	8 53.96	+12 4.4	1.865	2.842	3.6	16.9
2 21	8 46.81	+13 14.6	1.906	2.849	7.3	17.1
3 2	8 41.27	+14 19.2	1.974	2.857	10.8	17.3
3 12	8 37.88	+15 14.4	2.065	2.866	13.9	17.6

426305 2012 TO_{163} 2 2.4 171.°95 2.°0/31.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 22.85	+22 14.0	2.665	3.509	9.5	21.7
1 12	9 17.22	+22 58.1	2.594	3.511	6.7	21.5
1 22	9 10.04	+23 44.0	2.549	3.513	3.8	21.3
2 1	9 1.92	+24 27.2	2.535	3.515	2.0	21.2
2 11	8 53.66	+25 3.9	2.552	3.516	4.0	21.3
2 21	8 46.02	+25 31.0	2.598	3.517	6.9	21.5
3 2	8 39.72	+25 47.3	2.672	3.518	9.7	21.7
3 12	8 35.25	+25 52.9	2.768	3.518	12.0	21.9

493209 2014 UY_{47} 2 2.4 128.°27 3.°2/ 4.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 24.98	+ 5 11.9	2.196	2.999	12.7	22.1
1 12	9 18.80	+ 5 23.1	2.129	3.015	9.6	22.0
1 22	9 10.92	+ 5 48.8	2.086	3.030	6.3	21.8
2 1	9 2.03	+ 6 26.7	2.072	3.045	3.6	21.6
2 11	8 53.05	+ 7 13.2	2.088	3.059	4.0	21.7
2 21	8 44.84	+ 8 3.7	2.134	3.072	7.0	21.9
3 2	8 38.20	+ 8 53.7	2.208	3.085	10.1	22.1
3 12	8 33.63	+ 9 39.5	2.305	3.097	12.9	22.3

72661 2001 FB_{48} 2 2.4 31.°63 8.°9/27.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 30.22	+39 16.5	1.715	2.561	13.7	18.0
1 12	9 23.35	+40 23.5	1.671	2.569	11.1	17.9
1 22	9 13.66	+41 16.0	1.651	2.577	9.3	17.8
2 1	9 2.37	+41 44.9	1.657	2.586	9.1	17.8
2 11	8 51.10	+41 45.0	1.688	2.595	10.6	17.9
2 21	8 41.38	+41 16.2	1.743	2.605	13.1	18.0
3 2	8 34.38	+40 22.9	1.820	2.615	15.6	18.2
3 12	8 30.67	+39 11.3	1.915	2.625	17.8	18.4

416259 2003 EK_{62} 2 2.4 316.°97 2.°3/31.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 21.25	+17 28.4	1.530	2.392	14.2	20.0
1 12	9 17.21	+19 1.1	1.443	2.371	10.1	19.7
1 22	9 10.56	+20 48.8	1.382	2.350	5.6	19.4
2 1	9 2.03	+22 42.6	1.347	2.329	2.4	19.1
2 11	8 52.86	+24 31.3	1.340	2.309	6.0	19.3
2 21	8 44.45	+26 5.2	1.360	2.290	10.9	19.6
3 2	8 38.14	+27 17.8	1.403	2.271	15.4	19.8
3 12	8 34.86	+28 7.2	1.466	2.253	19.2	20.0

163933 2003 SG_{310} 2 2.4 66.°40 8.°7/29.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 35.19	+36 9.1	1.425	2.278	15.6	19.1
1 12	9 26.92	+37 22.2	1.398	2.305	12.1	19.0
1 22	9 15.56	+38 20.2	1.393	2.332	9.4	18.9
2 1	9 2.59	+38 52.7	1.414	2.359	8.8	18.9
2 11	8 49.97	+38 54.2	1.461	2.385	10.6	19.1
2 21	8 39.41	+38 26.0	1.532	2.412	13.5	19.3
3 2	8 32.05	+37 33.7	1.625	2.438	16.4	19.6
3 12	8 28.37	+36 24.7	1.736	2.464	18.8	19.8

203723 2002 QL_{14} 2 2.4 93.°93 2.°6/ 4.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 25.39	+ 8 15.9	2.316	3.128	11.8	20.6
1 12	9 18.95	+ 8 3.1	2.254	3.148	8.8	20.5
1 22	9 10.94	+ 8 0.7	2.219	3.168	5.6	20.3
2 1	9 2.04	+ 8 7.3	2.212	3.188	2.9	20.1
2 11	8 53.11	+ 8 20.4	2.235	3.207	3.7	20.2
2 21	8 45.00	+ 8 37.2	2.289	3.226	6.6	20.4
3 2	8 38.41	+ 8 54.7	2.370	3.245	9.6	20.7
3 12	8 33.80	+ 9 10.4	2.475	3.264	12.2	20.9

56868 2000 QT_{101} 2 2.4 199.°57 4.°3/ 7.0 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 19.77	− 2 12.8	2.862	3.624	11.1	19.4
1 12	9 14.92	− 1 46.6	2.770	3.622	8.9	19.2
1 22	9 8.76	− 1 3.8	2.702	3.618	6.6	19.1
2 1	9 1.78	− 0 5.4	2.663	3.615	4.7	18.9
2 11	8 54.60	+ 1 5.7	2.655	3.611	4.5	18.9
2 21	8 47.88	+ 2 25.1	2.676	3.607	6.2	19.0
3 2	8 42.22	+ 3 47.9	2.727	3.603	8.5	19.1
3 12	8 38.10	+ 5 9.3	2.804	3.598	10.8	19.3

135681 2002 NM_{56} 2 2.4 276°.79 1°.1/ 3.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 2	9 23.89	+10 14.0	1.693	2.530	14.3	20.5
1 12	9 18.86	+11 7.8	1.597	2.508	10.6	20.2
1 22	9 11.38	+12 20.3	1.525	2.486	6.2	19.9
2 1	9 2.14	+13 46.7	1.480	2.464	1.6	19.5
2 11	8 52.27	+15 19.5	1.464	2.441	4.2	19.6
2 21	8 43.04	+16 50.2	1.476	2.418	9.1	19.9
3 2	8 35.69	+18 11.5	1.514	2.395	13.7	20.1
3 12	8 31.10	+19 18.7	1.573	2.371	17.6	20.3

458321 2010 VR_{104} 2 2.4 54°.51 0°.6/ 2.7 18

1 2	9 28.55	+14 51.8	1.467	2.315	15.5	20.9
1 12	9 21.80	+14 54.1	1.423	2.341	11.1	20.7
1 22	9 12.66	+15 5.8	1.402	2.367	6.1	20.5
2 1	9 2.25	+15 22.3	1.409	2.393	1.1	20.2
2 11	8 51.98	+15 39.0	1.443	2.420	4.3	20.5
2 21	8 43.14	+15 52.0	1.504	2.446	9.0	20.8
3 2	8 36.71	+15 58.8	1.590	2.473	13.0	21.1
3 12	8 33.21	+15 58.4	1.697	2.500	16.3	21.4

413569 2005 TA_{119} 2 2.4 66°.96 1°.4/ 1.6 18

1 2	9 26.56	+19 9.5	1.689	2.542	13.6	21.0
1 12	9 20.36	+19 40.4	1.635	2.557	9.6	20.8
1 22	9 11.91	+20 16.2	1.605	2.572	5.2	20.6
2 1	9 2.17	+20 51.3	1.603	2.587	1.5	20.4
2 11	8 52.40	+21 20.0	1.630	2.602	4.7	20.6
2 21	8 43.79	+21 38.8	1.684	2.617	8.9	20.9
3 2	8 37.31	+21 46.2	1.763	2.633	12.7	21.2
3 12	8 33.54	+21 42.3	1.863	2.648	15.8	21.4

95846 2003 FZ_{115} 2 2.4 161°.20 1°.8/ 3.9 18

1 2	9 23.02	+ 8 29.5	2.422	3.237	11.3	20.5
1 12	9 17.39	+ 9 1.2	2.345	3.243	8.4	20.3
1 22	9 10.17	+ 9 44.7	2.294	3.248	5.1	20.1
2 1	9 1.97	+10 37.2	2.273	3.253	2.1	19.9
2 11	8 53.60	+11 34.3	2.282	3.257	3.2	20.0
2 21	8 45.86	+12 31.6	2.322	3.261	6.4	20.2
3 2	8 39.49	+13 25.3	2.389	3.264	9.6	20.4
3 12	8 35.00	+14 12.1	2.481	3.267	12.3	20.6

78746 2002 TW_{275} 2 2.4 77°.27 2°.0/ 3.9 18

1 2	9 22.68	+ 9 35.0	2.144	2.969	12.2	19.6
1 12	9 17.24	+ 9 45.8	2.077	2.980	9.0	19.4
1 22	9 10.10	+10 7.9	2.035	2.991	5.5	19.2
2 1	9 1.96	+10 38.8	2.022	3.002	2.3	19.0
2 11	8 53.70	+11 14.5	2.037	3.013	3.5	19.1
2 21	8 46.22	+11 51.3	2.082	3.024	6.9	19.3
3 2	8 40.28	+12 25.5	2.154	3.035	10.2	19.5
3 12	8 36.40	+12 54.2	2.249	3.046	13.0	19.7

241712 2000 TP_2 2 2.4 155°.88 2°.3/31.4 17

1 2	9 24.53	+24 45.0	2.955	3.795	8.8	21.3
1 12	9 18.24	+25 12.3	2.887	3.802	6.2	21.2
1 22	9 10.53	+25 38.7	2.847	3.808	3.7	21.0
2 1	9 2.01	+26 0.7	2.838	3.814	2.3	20.9
2 11	8 53.41	+26 15.3	2.860	3.820	3.9	21.1
2 21	8 45.46	+26 20.9	2.912	3.825	6.5	21.2
3 2	8 38.79	+26 16.8	2.992	3.830	9.0	21.4
3 12	8 33.87	+26 3.8	3.095	3.834	11.1	21.6

81519 2000 HQ_6 2 2.4 229°.55 2°.5/31.6 18

1 2	9 26.63	+22 22.8	2.123	2.970	11.4	20.3
1 12	9 20.35	+23 7.9	2.041	2.960	8.2	20.1
1 22	9 11.97	+23 55.7	1.985	2.949	4.7	19.8
2 1	9 2.21	+24 40.5	1.958	2.938	2.5	19.7
2 11	8 52.13	+25 16.9	1.961	2.926	5.0	19.8
2 21	8 42.81	+25 41.1	1.993	2.914	8.6	20.0
3 2	8 35.22	+25 51.8	2.051	2.901	12.0	20.2
3 12	8 30.05	+25 49.2	2.131	2.888	14.9	20.4

289164 2004 VZ_{45} 2 2.4 162°.46 0°.5/ 2.1 18

1 2	9 27.84	+15 57.4	2.015	2.852	12.4	21.9
1 12	9 21.10	+16 41.1	1.945	2.859	8.8	21.7
1 22	9 12.31	+17 32.5	1.901	2.866	4.8	21.5
2 1	9 2.24	+18 26.7	1.887	2.871	0.7	21.2
2 11	8 51.99	+19 17.7	1.903	2.876	3.9	21.5
2 21	8 42.61	+20 1.1	1.948	2.880	8.0	21.7
3 2	8 35.05	+20 34.1	2.020	2.884	11.6	21.9
3 12	8 29.92	+20 55.5	2.115	2.886	14.6	22.1

330472 2007 EX_{199} 2 2.4 297°.79 3°.6/31.3 18

1 2	9 27.75	+25 38.9	1.831	2.685	12.6	20.5
1 12	9 21.31	+26 11.6	1.761	2.682	9.1	20.3
1 22	9 12.52	+26 43.2	1.717	2.680	5.5	20.1
2 1	9 2.27	+27 7.4	1.701	2.677	3.6	19.9
2 11	8 51.84	+27 19.0	1.713	2.674	6.0	20.1
2 21	8 42.46	+27 15.5	1.753	2.672	9.7	20.3
3 2	8 35.20	+26 57.1	1.818	2.669	13.2	20.5
3 12	8 30.71	+26 25.8	1.903	2.667	16.2	20.7

51077 2000 GT_{163} 2 2.4 24°.50 2°.5/31.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 2	9 23.38	+18 10.7	1.587	2.446	14.0	18.6
1 12	9 18.46	+19 48.2	1.522	2.447	9.9	18.4
1 22	9 11.08	+21 36.3	1.482	2.449	5.4	18.1
2 1	9 2.10	+23 25.4	1.470	2.452	2.5	18.0
2 11	8 52.79	+25 5.3	1.487	2.454	5.8	18.2
2 21	8 44.46	+26 27.9	1.531	2.457	10.3	18.4
3 2	8 38.25	+27 29.1	1.599	2.460	14.2	18.7
3 12	8 34.92	+28 8.5	1.688	2.463	17.5	18.9

120195 2004 DL_{15} 2 2.4 199°.69 1°.2/ 3.1 18

1 2	9 29.23	+12 35.6	1.652	2.488	14.7	20.5
1 12	9 22.52	+12 50.0	1.574	2.485	10.7	20.2
1 22	9 13.27	+13 16.3	1.521	2.482	6.2	20.0
2 1	9 2.38	+13 50.6	1.494	2.478	1.6	19.6
2 11	8 51.14	+14 27.6	1.497	2.473	4.2	19.8
2 21	8 40.89	+15 2.1	1.527	2.468	9.0	20.1
3 2	8 32.80	+15 30.3	1.584	2.462	13.4	20.3
3 12	8 27.63	+15 49.8	1.661	2.455	17.0	20.6

519273 2011 BJ_{37} 2 2.4 295°.08 1°.0/ 3.0 17

1 2	9 24.51	+13 14.1	1.859	2.698	13.1	21.5
1 12	9 18.90	+13 24.0	1.781	2.694	9.6	21.2
1 22	9 11.17	+13 43.8	1.728	2.690	5.5	21.0
2 1	9 2.11	+14 10.2	1.703	2.687	1.3	20.7
2 11	8 52.79	+14 38.8	1.706	2.683	3.8	20.9
2 21	8 44.31	+15 5.6	1.738	2.679	8.0	21.1
3 2	8 37.65	+15 27.2	1.795	2.676	11.9	21.3
3 12	8 33.45	+15 41.5	1.875	2.672	15.2	21.5

289968 2005 ND_{94} 2 2.4 256°.51 1°.7/ 3.6 18

1 2	9 23.26	+11 12.1	2.388	3.212	11.1	20.4
1 12	9 17.60	+11 5.5	2.306	3.209	8.2	20.2
1 22	9 10.31	+11 7.2	2.249	3.206	4.9	20.0
2 1	9 2.01	+11 15.5	2.222	3.203	2.0	19.8
2 11	8 53.53	+11 27.9	2.225	3.200	3.2	19.9
2 21	8 45.69	+11 41.6	2.257	3.197	6.6	20.1
3 2	8 39.25	+11 54.2	2.317	3.194	9.7	20.3
3 12	8 34.74	+12 3.7	2.400	3.190	12.5	20.5

413881 2006 VX_{30} 2 2.4 116°.58 6°.7/ 7.3 18

1 2	9 26.23	− 3 57.7	2.138	2.896	14.5	21.9
1 12	9 19.72	− 4 26.1	2.074	2.916	11.8	21.7
1 22	9 11.45	− 4 34.2	2.032	2.936	9.2	21.6
2 1	9 2.15	− 4 21.5	2.017	2.954	7.1	21.5
2 11	8 52.76	− 3 50.0	2.030	2.972	6.8	21.5
2 21	8 44.20	− 3 3.9	2.071	2.989	8.5	21.6
3 2	8 37.27	− 2 8.8	2.139	3.006	10.9	21.8
3 12	8 32.48	− 1 10.6	2.231	3.022	13.3	22.0

85234 1993 HY_2 2 2.4 150°.66 2°.2/ 1.0 18

1 2	9 28.40	+19 45.5	1.629	2.482	14.0	20.3
1 12	9 21.93	+20 43.1	1.566	2.488	10.0	20.1
1 22	9 12.93	+21 46.8	1.527	2.493	5.5	19.8
2 1	9 2.35	+22 49.1	1.516	2.498	2.2	19.6
2 11	8 51.54	+23 42.4	1.534	2.503	5.4	19.9
2 21	8 41.86	+24 21.4	1.579	2.507	9.8	20.1
3 2	8 34.46	+24 44.2	1.649	2.511	13.8	20.4
3 12	8 30.02	+24 51.2	1.740	2.514	17.1	20.6

55467 2001 TH_{173} 2 2.4 301°.74 0°.8/ 2.8 18

1 2	9 24.98	+13 13.2	1.343	2.198	16.2	18.4
1 12	9 20.08	+13 35.7	1.260	2.181	11.9	18.1
1 22	9 12.23	+14 13.6	1.198	2.163	6.8	17.8
2 1	9 2.29	+15 2.2	1.162	2.146	1.3	17.4
2 11	8 51.72	+15 54.3	1.151	2.129	4.9	17.6
2 21	8 42.12	+16 42.6	1.167	2.112	10.6	17.8
3 2	8 34.94	+17 21.5	1.205	2.096	15.7	18.1
3 12	8 31.15	+17 47.7	1.263	2.080	20.1	18.3

194395 2001 VW_{21} 2 2.4 340°.27 3°.1/ 3.9 18

1 2	9 24.97	+ 9 42.0	1.259	2.109	17.5	19.6
1 12	9 19.99	+ 9 32.0	1.188	2.103	13.1	19.4
1 22	9 12.09	+ 9 39.4	1.138	2.097	8.1	19.1
2 1	9 2.26	+10 2.0	1.112	2.092	3.6	18.8
2 11	8 52.02	+10 34.8	1.111	2.088	5.3	18.9
2 21	8 42.95	+11 11.4	1.136	2.084	10.4	19.1
3 2	8 36.42	+11 45.9	1.183	2.081	15.3	19.4
3 12	8 33.27	+12 13.6	1.249	2.079	19.5	19.7

169199 2001 RH_{67} 2 2.4 136°.94 0°.1/ 2.5 18

1 2	9 23.13	+15 17.3	2.632	3.463	10.0	20.2
1 12	9 17.34	+15 35.3	2.562	3.472	7.1	20.1
1 22	9 10.09	+15 58.9	2.518	3.481	3.9	19.9
2 1	9 1.98	+16 25.1	2.504	3.489	0.5	19.6
2 11	8 53.78	+16 50.7	2.522	3.497	2.9	19.8
2 21	8 46.22	+17 13.1	2.569	3.505	6.1	20.0
3 2	8 39.98	+17 30.2	2.645	3.512	9.0	20.2
3 12	8 35.52	+17 40.8	2.744	3.519	11.5	20.4

230501 2002 TR_{285} 2 2.4 166°.55 4°.0/ 4.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 2	9 28.81	+ 5 35.7	1.754	2.565	15.1	20.8
1 12	9 22.00	+ 5 28.9	1.680	2.570	11.5	20.6
1 22	9 12.89	+ 5 38.8	1.629	2.575	7.6	20.4
2 1	9 2.35	+ 6 3.9	1.606	2.579	4.4	20.2
2 11	8 51.56	+ 6 40.6	1.612	2.582	5.0	20.2
2 21	8 41.73	+ 7 23.6	1.646	2.584	8.6	20.4
3 2	8 33.90	+ 8 7.8	1.706	2.586	12.5	20.7
3 12	8 28.75	+ 8 48.6	1.788	2.587	15.8	20.9

251117 2006 SB_{354} 2 2.4 108°.77 2°.7/ 4.4 18

1 2	9 24.54	+ 6 56.3	1.826	2.647	14.1	21.1
1 12	9 18.82	+ 7 22.2	1.761	2.659	10.6	20.9
1 22	9 11.08	+ 8 4.5	1.719	2.671	6.6	20.7
2 1	9 2.12	+ 8 59.9	1.705	2.683	3.1	20.5
2 11	8 53.01	+10 2.7	1.720	2.695	4.1	20.6
2 21	8 44.82	+11 7.1	1.763	2.706	7.8	20.8
3 2	8 38.44	+12 7.4	1.833	2.717	11.5	21.1
3 12	8 34.49	+12 59.7	1.926	2.728	14.7	21.3

51781 2001 MU_9 2 2.4 141°.02 1°.1/ 1.8 18

1 2	9 30.43	+20 3.3	2.005	2.845	12.3	19.1
1 12	9 22.88	+20 6.7	1.938	2.854	8.8	18.9
1 22	9 13.24	+20 12.2	1.897	2.862	4.8	18.7
2 1	9 2.39	+20 16.0	1.885	2.869	1.2	18.4
2 11	8 51.47	+20 14.5	1.904	2.877	4.1	18.7
2 21	8 41.61	+20 6.0	1.952	2.884	8.0	18.9
3 2	8 33.71	+19 49.8	2.028	2.890	11.6	19.1
3 12	8 28.35	+19 26.6	2.125	2.896	14.5	19.4

3118 Claytonsmith 2 2.4 295°.65 1°.0/ 3.0 18

1 2	9 25.53	+14 16.6	2.153	2.986	11.8	15.8
1 12	9 19.38	+14 3.5	2.070	2.980	8.6	15.5
1 22	9 11.36	+13 56.7	2.014	2.975	4.9	15.3
2 1	9 2.16	+13 54.1	1.986	2.970	1.3	15.0
2 11	8 52.76	+13 53.2	1.988	2.964	3.4	15.2
2 21	8 44.12	+13 51.7	2.020	2.959	7.2	15.4
3 2	8 37.10	+13 47.8	2.078	2.954	10.8	15.6
3 12	8 32.28	+13 40.1	2.160	2.949	13.7	15.8

303403 2004 XN_{119} 2 2.4 311°.81 0°.7/ 2.8 18

1 2	9 25.95	+14 40.1	1.385	2.240	15.8	20.4
1 12	9 20.67	+14 42.0	1.303	2.224	11.6	20.1
1 22	9 12.50	+14 54.8	1.243	2.208	6.6	19.8
2 1	9 2.34	+15 14.7	1.209	2.193	1.2	19.4
2 11	8 51.65	+15 36.5	1.201	2.179	4.8	19.6
2 21	8 41.99	+15 54.9	1.219	2.164	10.3	19.9
3 2	8 34.74	+16 6.5	1.261	2.151	15.2	20.1
3 12	8 30.81	+16 9.0	1.322	2.138	19.4	20.3

283458 2001 NZ_4 2 2.4 203°.05 0°.9/ 1.8 18

1 2	9 27.92	+16 11.6	1.815	2.657	13.3	22.0
1 12	9 21.50	+17 5.3	1.736	2.652	9.5	21.7
1 22	9 12.71	+18 8.9	1.682	2.647	5.2	21.5
2 1	9 2.35	+19 16.1	1.657	2.642	1.0	21.2
2 11	8 51.61	+20 19.8	1.662	2.635	4.5	21.4
2 21	8 41.74	+21 14.2	1.695	2.627	9.0	21.6
3 2	8 33.83	+21 55.6	1.755	2.619	13.0	21.9
3 12	8 28.64	+22 22.8	1.836	2.610	16.3	22.1

377266 2004 DV_{25} 2 2.4 16°.19 0°.8/ 1.9 18

1 2	9 21.12	+16 32.0	1.502	2.364	14.4	20.2
1 12	9 16.76	+17 11.6	1.445	2.372	10.2	19.9
1 22	9 10.08	+18 0.6	1.412	2.380	5.5	19.7
2 1	9 2.01	+18 52.9	1.406	2.390	0.9	19.4
2 11	8 53.81	+19 41.5	1.426	2.401	4.6	19.7
2 21	8 46.72	+20 21.0	1.472	2.413	9.2	20.0
3 2	8 41.74	+20 48.0	1.543	2.427	13.3	20.2
3 12	8 39.50	+21 1.5	1.633	2.441	16.7	20.5

196524 2003 OS_{15} 2 2.4 249°.44 3°.5/ 5.0 17

1 2	9 23.50	+ 4 20.6	2.443	3.240	11.8	21.7
1 12	9 17.89	+ 4 20.3	2.339	3.220	9.1	21.5
1 22	9 10.56	+ 4 33.6	2.261	3.201	6.2	21.3
2 1	9 2.09	+ 4 59.7	2.211	3.180	3.8	21.1
2 11	8 53.24	+ 5 36.0	2.192	3.159	4.2	21.1
2 21	8 44.88	+ 6 19.1	2.202	3.138	6.9	21.2
3 2	8 37.79	+ 7 4.9	2.240	3.116	10.1	21.4
3 12	8 32.60	+ 7 49.3	2.302	3.093	12.9	21.5

61833 2000 QM_{196} 2 2.4 305°.36 1°.2/ 3.2 18

1 2	9 23.84	+10 54.0	1.408	2.256	16.0	18.7
1 12	9 19.04	+11 37.2	1.331	2.248	11.8	18.4
1 22	9 11.54	+12 39.1	1.278	2.241	6.8	18.1
2 1	9 2.22	+13 54.4	1.249	2.233	1.7	17.7
2 11	8 52.44	+15 14.5	1.249	2.226	4.6	17.9
2 21	8 43.64	+16 30.9	1.274	2.219	9.9	18.2
3 2	8 37.13	+17 36.6	1.323	2.212	14.7	18.5
3 12	8 33.73	+18 27.4	1.392	2.206	18.7	18.7

353898 2012 XU_{46} 2 2.4 129°.48 5°.1/ 7.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 2	9 20.97	− 3 37.7	2.970	3.720	11.0	21.3
1 12	9 15.68	− 3 55.6	2.893	3.731	9.0	21.2
1 22	9 9.16	− 3 58.7	2.842	3.742	7.0	21.1
2 1	9 1.90	− 3 46.8	2.817	3.753	5.5	21.0
2 11	8 54.54	− 3 21.6	2.822	3.763	5.2	21.0
2 21	8 47.69	− 2 45.6	2.857	3.773	6.5	21.1
3 2	8 41.92	− 2 2.5	2.919	3.783	8.4	21.2
3 12	8 37.64	− 1 16.3	3.006	3.792	10.3	21.3

165725 2001 QJ_{101} 2 2.4 95°.87 0°.7/ 3.1 18

1 2	9 22.11	+12 17.9	2.372	3.201	11.0	20.0
1 12	9 16.74	+12 51.5	2.308	3.216	7.9	19.8
1 22	9 9.82	+13 33.9	2.270	3.231	4.5	19.6
2 1	9 1.99	+14 21.8	2.261	3.245	1.0	19.4
2 11	8 54.07	+15 10.7	2.283	3.260	3.0	19.6
2 21	8 46.86	+15 56.7	2.335	3.274	6.4	19.8
3 2	8 41.05	+16 36.7	2.414	3.288	9.5	20.0
3 12	8 37.13	+17 8.6	2.517	3.301	12.2	20.2

451040 2008 XM_{47} 2 2.4 46°.75 2°.6/ 1.2 18

1 2	9 27.99	+20 9.7	1.168	2.038	17.1	21.3
1 12	9 22.04	+20 57.0	1.127	2.057	12.1	21.1
1 22	9 13.07	+21 50.1	1.108	2.077	6.6	20.8
2 1	9 2.40	+22 39.8	1.114	2.097	2.6	20.6
2 11	8 51.80	+23 17.8	1.146	2.117	6.3	20.9
2 21	8 42.93	+23 39.2	1.202	2.138	11.3	21.2
3 2	8 36.99	+23 43.3	1.280	2.160	15.8	21.6
3 12	8 34.55	+23 31.7	1.377	2.182	19.4	21.9

244104 2001 UP_{184} 2 2.4 211°.98 9°.7/24.4 18

1 2	9 33.52	+49 43.9	2.481	3.278	11.6	20.9
1 12	9 25.52	+50 56.0	2.435	3.276	10.3	20.8
1 22	9 14.87	+51 50.6	2.413	3.274	9.7	20.7
2 1	9 2.63	+52 20.1	2.416	3.272	9.9	20.7
2 11	8 50.29	+52 20.7	2.443	3.269	11.0	20.8
2 21	8 39.28	+51 52.6	2.495	3.267	12.4	20.9
3 2	8 30.74	+50 59.6	2.566	3.264	14.0	21.0
3 12	8 25.33	+49 47.5	2.656	3.262	15.4	21.1

1431 Luanda 2 2.4 138°.01 1°.7/ 1.0 18 R

1 2	9 25.21	+18 19.5	2.134	2.977	11.5	16.3
1 12	9 19.19	+19 31.9	2.071	2.989	8.1	16.1
1 22	9 11.27	+20 50.6	2.034	2.999	4.4	15.9
2 1	9 2.19	+22 9.1	2.027	3.009	1.7	15.7
2 11	8 52.93	+23 21.0	2.051	3.019	4.4	15.9
2 21	8 44.47	+24 21.2	2.104	3.028	8.0	16.2
3 2	8 37.68	+25 7.1	2.184	3.037	11.3	16.4
3 12	8 33.15	+25 38.3	2.287	3.045	14.0	16.6

288949 2004 SN_{53} 2 2.4 127°.17 1°.0/ 3.1 18

1 2	9 28.30	+11 51.5	1.858	2.687	13.6	21.8
1 12	9 21.45	+12 23.7	1.797	2.705	9.8	21.6
1 22	9 12.51	+13 7.3	1.761	2.722	5.6	21.4
2 1	9 2.34	+13 57.8	1.754	2.738	1.4	21.1
2 11	8 52.09	+14 49.6	1.777	2.753	3.7	21.3
2 21	8 42.86	+15 37.6	1.830	2.768	7.9	21.6
3 2	8 35.57	+16 18.0	1.908	2.782	11.7	21.8
3 12	8 30.81	+16 48.7	2.010	2.795	14.8	22.1

117614 Hannahmclain 2 2.4 121°.38 1°.1/ 3.3 18

1 2	9 22.15	+11 20.5	2.163	2.994	11.9	20.8
1 12	9 16.98	+11 50.1	2.088	2.996	8.7	20.6
1 22	9 10.06	+12 30.6	2.039	2.999	5.0	20.4
2 1	9 2.05	+13 18.5	2.018	3.001	1.4	20.1
2 11	8 53.85	+14 9.3	2.027	3.003	3.3	20.2
2 21	8 46.36	+14 58.3	2.065	3.005	7.0	20.5
3 2	8 40.37	+15 41.8	2.130	3.007	10.4	20.7
3 12	8 36.45	+16 17.1	2.218	3.009	13.3	20.9

517585 2014 WS_{43} 2 2.4 148°.11 0°.9/ 3.1 18

1 2	9 25.36	+12 12.4	2.104	2.933	12.2	22.0
1 12	9 19.26	+12 39.6	2.033	2.941	8.9	21.8
1 22	9 11.30	+13 16.9	1.988	2.949	5.1	21.6
2 1	9 2.21	+14 0.5	1.972	2.956	1.3	21.3
2 11	8 52.97	+14 45.9	1.987	2.963	3.4	21.5
2 21	8 44.52	+15 28.5	2.030	2.969	7.3	21.7
3 2	8 37.72	+16 5.1	2.101	2.975	10.7	22.0
3 12	8 33.14	+16 33.4	2.195	2.980	13.7	22.2

317094 2001 TQ_{14} 2 2.4 104°.31 3°.5/31.4 18

1 2	9 29.52	+25 45.1	1.882	2.732	12.5	20.8
1 12	9 22.39	+26 19.8	1.826	2.745	9.0	20.6
1 22	9 13.04	+26 52.6	1.796	2.758	5.4	20.4
2 1	9 2.43	+27 17.4	1.795	2.770	3.6	20.3
2 11	8 51.79	+27 29.4	1.823	2.783	5.8	20.5
2 21	8 42.33	+27 26.7	1.879	2.795	9.3	20.7
3 2	8 35.01	+27 9.7	1.960	2.807	12.6	20.9
3 12	8 30.39	+26 40.7	2.062	2.819	15.4	21.2

204151 2003 YY_{127} 2 2.4 301°.23 4°.6/29.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 2	9 23.92	+28 4.1	2.101	2.956	11.2	19.6
1 12	9 18.52	+29 13.9	2.031	2.950	8.2	19.4
1 22	9 11.03	+30 22.4	1.987	2.943	5.5	19.2
2 1	9 2.19	+31 22.5	1.972	2.937	4.7	19.1
2 11	8 53.07	+32 8.0	1.985	2.931	6.7	19.2
2 21	8 44.76	+32 35.4	2.026	2.925	9.7	19.4
3 2	8 38.24	+32 44.2	2.091	2.919	12.7	19.6
3 12	8 34.14	+32 35.9	2.176	2.913	15.2	19.8

499024 2009 DS_{18} 2 2.4 36°.34 5°.1/30.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 31.23	+33 5.7	2.157	2.998	11.5	20.7
1 12	9 23.46	+33 20.1	2.095	3.002	8.7	20.5
1 22	9 13.56	+33 26.0	2.059	3.007	6.1	20.3
2 1	9 2.49	+33 18.1	2.052	3.011	5.2	20.3
2 11	8 51.47	+32 53.2	2.075	3.016	6.7	20.4
2 21	8 41.63	+32 11.4	2.125	3.022	9.4	20.6
3 2	8 33.89	+31 15.2	2.202	3.027	12.2	20.8
3 12	8 28.79	+30 8.3	2.300	3.032	14.6	20.9

165744 2001 QG_{167} 2 2.4 103°.21 1°.6/ 1.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 24.05	+20 39.8	2.344	3.189	10.6	20.4
1 12	9 18.19	+21 14.2	2.282	3.200	7.5	20.3
1 22	9 10.65	+21 51.1	2.246	3.211	4.1	20.1
2 1	9 2.14	+22 26.3	2.240	3.222	1.6	19.9
2 11	8 53.55	+22 55.5	2.264	3.233	4.0	20.1
2 21	8 45.74	+23 15.9	2.318	3.244	7.2	20.3
3 2	8 39.46	+23 26.3	2.398	3.254	10.2	20.5
3 12	8 35.23	+23 26.6	2.501	3.265	12.8	20.7

491860 2013 AA_{120} 2 2.4 60°.44 2°.1/ 1.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 26.12	+17 44.7	1.318	2.181	16.0	20.9
1 12	9 20.71	+18 58.0	1.261	2.188	11.3	20.6
1 22	9 12.44	+20 22.1	1.228	2.196	6.2	20.3
2 1	9 2.39	+21 47.5	1.221	2.204	2.1	20.1
2 11	8 52.09	+23 3.7	1.241	2.212	5.9	20.4
2 21	8 43.12	+24 3.3	1.286	2.221	11.0	20.7
3 2	8 36.74	+24 42.8	1.355	2.229	15.4	20.9
3 12	8 33.68	+25 2.3	1.442	2.238	19.1	21.2

92365 2000 HP_{32} 2 2.4 225°.74 1°.7/ 1.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 28.22	+18 50.1	1.646	2.497	14.0	20.5
1 12	9 21.95	+19 34.3	1.569	2.490	10.0	20.2
1 22	9 13.08	+20 25.9	1.517	2.483	5.5	19.9
2 1	9 2.48	+21 18.3	1.491	2.475	1.7	19.7
2 11	8 51.48	+22 4.2	1.495	2.467	5.1	19.9
2 21	8 41.47	+22 38.6	1.526	2.458	9.8	20.1
3 2	8 33.66	+22 58.6	1.582	2.449	14.0	20.3
3 12	8 28.84	+23 4.3	1.659	2.440	17.6	20.6

246862 2655 $P\text{–}L$ 2 2.4 74°.26 5°.5/29.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 28.45	+33 31.9	2.253	3.096	11.0	20.2
1 12	9 21.38	+34 16.9	2.210	3.117	8.3	20.1
1 22	9 12.39	+34 53.9	2.194	3.137	6.1	20.0
2 1	9 2.36	+35 17.1	2.206	3.158	5.5	20.0
2 11	8 52.40	+35 22.8	2.247	3.178	7.0	20.1
2 21	8 43.56	+35 10.4	2.315	3.198	9.4	20.3
3 2	8 36.67	+34 41.6	2.409	3.219	11.8	20.5
3 12	8 32.21	+33 59.7	2.523	3.239	13.8	20.7

473893 2016 ET_{145} 2 2.4 320°.74 0°.6/ 2.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 23.36	+16 4.1	1.842	2.690	12.8	20.8
1 12	9 18.17	+16 47.4	1.768	2.687	9.2	20.6
1 22	9 10.86	+17 39.8	1.719	2.685	5.0	20.3
2 1	9 2.19	+18 36.0	1.697	2.682	0.8	20.0
2 11	8 53.25	+19 29.8	1.705	2.680	4.1	20.3
2 21	8 45.15	+20 16.1	1.741	2.677	8.4	20.5
3 2	8 38.87	+20 51.3	1.802	2.675	12.3	20.7
3 12	8 35.06	+21 14.0	1.885	2.673	15.5	21.0

7732 1978 VE_9 2 2.4 213°.06 0°.2/ 2.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 23.45	+14 56.3	2.347	3.182	10.9	17.8
1 12	9 17.85	+15 18.8	2.266	3.178	7.9	17.6
1 22	9 10.53	+15 48.3	2.211	3.174	4.4	17.4
2 1	9 2.15	+16 21.6	2.185	3.170	0.6	17.1
2 11	8 53.55	+16 54.7	2.190	3.165	3.2	17.3
2 21	8 45.61	+17 24.3	2.224	3.161	6.8	17.5
3 2	8 39.10	+17 47.6	2.286	3.156	10.1	17.7
3 12	8 34.59	+18 3.2	2.370	3.150	12.9	17.9

202725 2007 HG_{75} 2 2.4 129°.71 0°.9/ 3.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 23.79	+12 25.2	2.128	2.960	12.0	21.4
1 12	9 18.15	+12 49.5	2.057	2.966	8.7	21.2
1 22	9 10.70	+13 23.5	2.012	2.973	5.0	21.0
2 1	9 2.17	+14 3.8	1.995	2.979	1.2	20.7
2 11	8 53.48	+14 45.8	2.008	2.985	3.3	20.9
2 21	8 45.56	+15 25.5	2.051	2.990	7.1	21.2
3 2	8 39.22	+15 59.5	2.120	2.996	10.6	21.4
3 12	8 35.02	+16 25.6	2.212	3.001	13.5	21.6

414872 2010 VJ_{171} 2 2.4 311°.59 10°.0/25.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 2	9 27.14	+37 33.6	1.551	2.408	14.3	20.3
1 12	9 21.96	+39 34.7	1.484	2.389	11.7	20.1
1 22	9 13.45	+41 27.4	1.441	2.370	10.1	19.9
2 1	9 2.56	+42 58.1	1.424	2.351	10.4	19.9
2 11	8 50.98	+43 56.1	1.431	2.332	12.6	20.0
2 21	8 40.57	+44 17.0	1.460	2.314	15.6	20.1
3 2	8 32.97	+44 2.9	1.509	2.297	18.6	20.3
3 12	8 29.18	+43 19.9	1.574	2.280	21.3	20.4

368982 2007 EV_{87} 2 2.4 252°.43 4°.9/ 3.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 40.24	+12 10.2	1.112	1.953	19.9	20.3
1 12	9 31.43	+10 30.5	1.038	1.948	15.1	20.0
1 22	9 18.66	+ 8 56.8	0.986	1.942	9.6	19.6
2 1	9 3.23	+ 7 32.0	0.959	1.936	5.1	19.4
2 11	8 47.28	+ 6 18.9	0.959	1.930	7.2	19.5
2 21	8 33.03	+ 5 19.0	0.985	1.924	12.9	19.7
3 2	8 22.29	+ 4 32.0	1.033	1.918	18.3	20.0
3 12	8 15.97	+ 3 54.5	1.100	1.912	22.8	20.3

100704 1998 BG 2 2.4 11°.28 6°.2/30.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 30.92	+31 14.9	1.470	2.330	14.8	18.6
1 12	9 24.04	+31 43.5	1.413	2.332	11.1	18.4
1 22	9 14.20	+32 3.8	1.379	2.334	7.6	18.2
2 1	9 2.62	+32 7.6	1.371	2.337	6.2	18.1
2 11	8 51.01	+31 49.8	1.389	2.340	8.4	18.2
2 21	8 40.98	+31 9.8	1.433	2.345	12.0	18.5
3 2	8 33.77	+30 11.2	1.500	2.350	15.6	18.7
3 12	8 29.99	+28 59.2	1.586	2.355	18.7	18.9

117047 2004 JU_{31} 2 2.4 194°.37 3°.0/ 4.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 22.97	+ 4 37.5	2.166	2.971	12.8	20.0
1 12	9 17.61	+ 5 11.0	2.081	2.969	9.8	19.8
1 22	9 10.46	+ 6 1.4	2.022	2.967	6.4	19.6
2 1	9 2.16	+ 7 6.0	1.991	2.965	3.4	19.4
2 11	8 53.59	+ 8 20.2	1.989	2.962	3.9	19.4
2 21	8 45.66	+ 9 38.0	2.018	2.959	7.1	19.6
3 2	8 39.20	+10 53.7	2.074	2.955	10.5	19.8
3 12	8 34.83	+12 2.8	2.154	2.951	13.5	20.0

465217 2007 RL_{68} 2 2.4 158°.62 3°.1/30.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 26.13	+26 52.6	2.620	3.463	9.7	22.1
1 12	9 19.60	+27 28.4	2.554	3.468	7.0	22.0
1 22	9 11.42	+28 2.2	2.515	3.474	4.3	21.8
2 1	9 2.27	+28 29.4	2.507	3.478	3.2	21.7
2 11	8 53.02	+28 46.4	2.529	3.483	4.9	21.8
2 21	8 44.53	+28 51.2	2.580	3.487	7.5	22.0
3 2	8 37.54	+28 43.7	2.658	3.490	10.1	22.2
3 12	8 32.56	+28 25.3	2.759	3.494	12.4	22.4

164932 1999 XW_{115} 2 2.4 78°.43 0°.2/ 2.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 29.25	+15 25.0	1.562	2.407	14.9	19.1
1 12	9 22.35	+15 38.7	1.511	2.428	10.6	18.9
1 22	9 13.08	+16 1.0	1.485	2.450	5.9	18.7
2 1	9 2.49	+16 26.9	1.486	2.471	0.8	18.4
2 11	8 51.94	+16 51.4	1.516	2.492	4.2	18.7
2 21	8 42.72	+17 10.5	1.573	2.513	8.9	19.0
3 2	8 35.82	+17 21.7	1.655	2.533	12.9	19.3
3 12	8 31.79	+17 24.3	1.758	2.553	16.2	19.5

307746 2003 UR_{277} 2 2.4 96°.30 1°.6/ 1.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 28.36	+18 35.2	1.661	2.511	13.9	20.7
1 12	9 21.72	+19 21.9	1.609	2.529	9.8	20.5
1 22	9 12.76	+20 14.6	1.582	2.548	5.3	20.3
2 1	9 2.45	+21 6.5	1.583	2.566	1.6	20.0
2 11	8 52.11	+21 51.0	1.612	2.584	4.8	20.3
2 21	8 42.99	+22 23.9	1.670	2.602	9.1	20.6
3 2	8 36.07	+22 43.3	1.752	2.619	12.9	20.9
3 12	8 31.96	+22 49.3	1.856	2.635	16.0	21.1

374048 2004 PJ_3 2 2.4 166°.38 0°.5/ 2.0 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 25.61	+17 20.0	2.657	3.488	9.9	22.8
1 12	9 19.17	+17 46.8	2.583	3.495	7.0	22.6
1 22	9 11.18	+18 18.0	2.536	3.500	3.8	22.4
2 1	9 2.26	+18 50.1	2.520	3.505	0.6	22.1
2 11	8 53.21	+19 19.6	2.536	3.509	3.1	22.4
2 21	8 44.81	+19 43.7	2.582	3.512	6.4	22.6
3 2	8 37.77	+20 0.5	2.656	3.515	9.3	22.8
3 12	8 32.59	+20 9.5	2.755	3.517	11.8	22.9

598 Octavia 2 2.4 78°.47 4°.1/30.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 27.12	+25 13.6	1.863	2.717	12.4	13.8
1 12	9 20.71	+26 38.0	1.823	2.743	8.9	13.6
1 22	9 12.16	+28 1.4	1.809	2.769	5.5	13.5
2 1	9 2.38	+29 15.5	1.824	2.795	4.2	13.4
2 11	8 52.60	+30 13.6	1.868	2.820	6.4	13.6
2 21	8 43.96	+30 52.3	1.939	2.845	9.7	13.9
3 2	8 37.38	+31 11.5	2.036	2.870	12.7	14.1
3 12	8 33.42	+31 13.1	2.152	2.895	15.2	14.3

89431 2001 WT_{40} 2 2.4 153.°09 0.°0/ 2.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 2	9 27.38	+14 5.2	1.803	2.641	13.5	19.6
1 12	9 21.01	+14 52.0	1.735	2.649	9.7	19.3
1 22	9 12.42	+15 49.5	1.692	2.656	5.4	19.1
2 1	9 2.44	+16 52.2	1.678	2.662	0.7	18.8
2 11	8 52.24	+17 53.6	1.693	2.668	4.0	19.0
2 21	8 43.00	+18 47.9	1.737	2.674	8.4	19.3
3 2	8 35.73	+19 31.3	1.807	2.678	12.3	19.6
3 12	8 31.08	+20 2.2	1.900	2.682	15.6	19.8

219442 2000 UB_{94} 2 2.5 93.°26 3.°5/ 4.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 25.36	+ 5 30.1	2.021	2.829	13.5	20.3
1 12	9 19.21	+ 5 26.8	1.960	2.849	10.2	20.1
1 22	9 11.26	+ 5 38.2	1.924	2.869	6.7	19.9
2 1	9 2.28	+ 6 2.6	1.916	2.888	3.9	19.8
2 11	8 53.25	+ 6 36.4	1.937	2.907	4.3	19.8
2 21	8 45.12	+ 7 15.3	1.987	2.926	7.4	20.1
3 2	8 38.67	+ 7 55.0	2.064	2.944	10.6	20.3
3 12	8 34.42	+ 8 31.7	2.164	2.962	13.4	20.5

305778 2009 DM_{49} 2 2.5 9.°94 1.°3/ 1.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 24.92	+18 2.7	1.193	2.064	16.8	20.9
1 12	9 20.06	+18 29.6	1.135	2.065	12.0	20.6
1 22	9 12.19	+19 5.6	1.098	2.067	6.6	20.3
2 1	9 2.43	+19 43.9	1.086	2.071	1.4	19.9
2 11	8 52.44	+20 16.5	1.099	2.075	5.6	20.2
2 21	8 43.87	+20 38.0	1.137	2.080	11.0	20.6
3 2	8 38.05	+20 45.7	1.196	2.086	15.9	20.8
3 12	8 35.70	+20 39.4	1.274	2.094	19.8	21.1

9265 Ekman 2 2.5 186.°41 1.°1/ 1.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 30.27	+18 9.9	1.753	2.597	13.6	19.5
1 12	9 23.22	+18 39.4	1.680	2.597	9.8	19.2
1 22	9 13.70	+19 15.2	1.631	2.596	5.3	19.0
2 1	9 2.62	+19 51.6	1.611	2.595	1.2	18.7
2 11	8 51.27	+20 23.0	1.620	2.593	4.6	18.9
2 21	8 40.95	+20 45.3	1.658	2.590	9.1	19.2
3 2	8 32.78	+20 56.3	1.721	2.587	13.1	19.4
3 12	8 27.46	+20 56.0	1.806	2.583	16.5	19.6

30019 2000 DD 2 2.5 206.°80 17.°3/26.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 56.23	+52 10.0	1.206	2.015	20.7	17.6
1 12	9 44.51	+53 52.9	1.162	2.012	18.6	17.5
1 22	9 26.36	+55 1.6	1.138	2.008	17.4	17.4
2 1	9 4.26	+55 15.4	1.133	2.004	17.6	17.4
2 11	8 42.38	+54 25.0	1.149	1.999	19.0	17.5
2 21	8 24.61	+52 36.7	1.185	1.994	21.3	17.6
3 2	8 13.10	+50 6.8	1.237	1.987	23.8	17.8
3 12	8 8.09	+47 13.4	1.304	1.981	26.2	17.9

353901 2012 XJ_{53} 2 2.5 72.°88 2.°9/31.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 27.34	+19 40.5	1.332	2.196	15.8	20.3
1 12	9 21.56	+20 57.3	1.280	2.208	11.2	20.1
1 22	9 12.92	+22 21.8	1.252	2.219	6.2	19.8
2 1	9 2.53	+23 44.0	1.250	2.231	2.9	19.6
2 11	8 51.96	+24 53.8	1.275	2.243	6.4	19.9
2 21	8 42.80	+25 44.7	1.325	2.255	11.2	20.2
3 2	8 36.28	+26 14.4	1.399	2.267	15.4	20.5
3 12	8 33.08	+26 24.2	1.491	2.279	18.9	20.7

38199 1999 LO_{24} 2 2.5 114.°44 3.°4/30.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 26.90	+25 27.7	2.386	3.230	10.4	18.8
1 12	9 20.23	+26 35.0	2.337	3.252	7.5	18.6
1 22	9 11.81	+27 41.3	2.315	3.274	4.6	18.5
2 1	9 2.37	+28 40.5	2.324	3.295	3.4	18.5
2 11	8 52.89	+29 27.5	2.363	3.316	5.3	18.6
2 21	8 44.27	+29 59.7	2.432	3.336	8.1	18.8
3 2	8 37.30	+30 16.6	2.527	3.355	10.7	19.0
3 12	8 32.49	+30 19.5	2.644	3.374	13.0	19.2

164560 2006 KW_{45} 2 2.5 74.°74 0.°8/ 3.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 23.43	+12 44.4	2.057	2.892	12.2	20.7
1 12	9 17.89	+13 11.0	1.997	2.908	8.8	20.5
1 22	9 10.57	+13 47.2	1.962	2.924	5.0	20.3
2 1	9 2.23	+14 29.1	1.955	2.939	1.1	20.1
2 11	8 53.81	+15 12.1	1.978	2.955	3.3	20.3
2 21	8 46.23	+15 52.0	2.030	2.970	7.1	20.5
3 2	8 40.29	+16 25.5	2.109	2.986	10.6	20.8
3 12	8 36.51	+16 50.6	2.210	3.001	13.4	21.0

149684 2004 GC_{34} 2 2.5 282.°45 2.°7/31.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 25.47	+21 6.0	1.782	2.637	12.9	19.8
1 12	9 20.03	+22 2.7	1.694	2.616	9.3	19.5
1 22	9 12.11	+23 5.8	1.630	2.596	5.3	19.3
2 1	9 2.46	+24 8.2	1.594	2.575	2.7	19.1
2 11	8 52.28	+25 2.6	1.587	2.554	5.6	19.2
2 21	8 42.85	+25 43.2	1.607	2.532	9.9	19.4
3 2	8 35.39	+26 7.4	1.652	2.511	13.9	19.6
3 12	8 30.72	+26 14.9	1.717	2.490	17.4	19.8

331431 2012 GU_{12} 2 2.5 152.°93 3.°3/30.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 2	9 24.52	+22 45.7	2.035	2.887	11.6	20.1
1 12	9 18.95	+24 10.1	1.969	2.890	8.3	19.9
1 22	9 11.30	+25 38.1	1.930	2.893	4.9	19.6
2 1	9 2.34	+27 2.0	1.920	2.896	3.3	19.6
2 11	8 53.11	+28 14.5	1.940	2.898	5.7	19.7
2 21	8 44.69	+29 10.8	1.989	2.901	9.1	19.9
3 2	8 38.03	+29 48.8	2.063	2.903	12.3	20.1
3 12	8 33.79	+30 9.0	2.158	2.905	15.0	20.3

250165 2002 TX_{73} 2 2.5 77.°43 4.°9/30.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 31.93	+28 27.5	1.628	2.482	13.9	20.3
1 12	9 24.34	+29 9.4	1.584	2.502	10.1	20.1
1 22	9 14.21	+29 46.2	1.565	2.522	6.5	20.0
2 1	9 2.70	+30 10.2	1.573	2.543	5.0	19.9
2 11	8 51.31	+30 16.2	1.609	2.563	7.1	20.1
2 21	8 41.44	+30 3.3	1.672	2.582	10.6	20.3
3 2	8 34.12	+29 33.4	1.759	2.602	14.0	20.6
3 12	8 29.88	+28 50.2	1.866	2.622	16.8	20.8

359137 2009 BM_{87} 2 2.5 271.°56 0.°8/ 2.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 26.05	+16 17.6	1.614	2.464	14.2	21.1
1 12	9 20.54	+16 58.6	1.529	2.449	10.3	20.8
1 22	9 12.42	+17 50.4	1.468	2.435	5.7	20.5
2 1	9 2.52	+18 47.2	1.435	2.419	0.9	20.1
2 11	8 52.09	+19 41.7	1.429	2.404	4.7	20.4
2 21	8 42.54	+20 27.8	1.451	2.389	9.7	20.6
3 2	8 35.10	+21 1.3	1.498	2.373	14.2	20.9
3 12	8 30.61	+21 20.7	1.565	2.358	17.9	21.1

5321 Jagras 2 2.5 129.°88 6.°2/ 7.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 24.60	− 3 53.3	2.203	2.963	14.0	17.5
1 12	9 18.65	− 4 0.7	2.133	2.978	11.5	17.3
1 22	9 10.99	− 3 47.7	2.085	2.992	8.8	17.2
2 1	9 2.31	− 3 14.2	2.064	3.006	6.7	17.1
2 11	8 53.49	− 2 23.2	2.072	3.019	6.3	17.1
2 21	8 45.43	− 1 19.3	2.108	3.032	8.0	17.2
3 2	8 38.88	− 0 8.5	2.171	3.044	10.5	17.4
3 12	8 34.38	+ 1 3.2	2.259	3.055	13.0	17.6

310761 2002 RF_{158} 2 2.5 42.°96 2.°4/ 3.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 24.72	+ 9 29.7	1.529	2.368	15.5	20.0
1 12	9 19.37	+ 9 40.7	1.464	2.373	11.5	19.8
1 22	9 11.62	+10 7.5	1.421	2.379	7.0	19.6
2 1	9 2.40	+10 46.9	1.405	2.386	2.8	19.3
2 11	8 52.97	+11 33.2	1.416	2.392	4.4	19.4
2 21	8 44.60	+12 20.5	1.453	2.399	8.9	19.7
3 2	8 38.37	+13 3.4	1.516	2.406	13.1	20.0
3 12	8 34.95	+13 38.1	1.600	2.413	16.7	20.2

52244 1981 EE_4 2 2.5 325.°94 3.°1/ 4.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 22.21	+ 6 33.7	2.284	3.096	12.0	19.5
1 12	9 16.99	+ 6 24.7	2.203	3.094	9.1	19.3
1 22	9 10.11	+ 6 27.9	2.146	3.092	6.0	19.1
2 1	9 2.20	+ 6 42.1	2.117	3.090	3.4	18.9
2 11	8 54.09	+ 7 4.9	2.117	3.088	4.0	18.9
2 21	8 46.61	+ 7 32.9	2.147	3.086	6.9	19.1
3 2	8 40.53	+ 8 2.6	2.203	3.085	10.0	19.3
3 12	8 36.40	+ 8 30.5	2.283	3.083	12.8	19.5

362686 2011 UO_{112} 2 2.5 334.°62 8.°0/ 6.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 23.07	− 1 20.7	1.391	2.198	18.5	20.4
1 12	9 18.51	− 1 57.7	1.315	2.191	15.1	20.1
1 22	9 11.33	− 2 8.3	1.258	2.184	11.5	19.9
2 1	9 2.39	− 1 50.4	1.224	2.178	8.6	19.7
2 11	8 52.99	− 1 6.0	1.215	2.173	8.4	19.7
2 21	8 44.54	− 0 1.3	1.230	2.168	11.0	19.8
3 2	8 38.29	+ 1 14.8	1.268	2.163	14.8	20.0
3 12	8 35.07	+ 2 32.8	1.327	2.159	18.5	20.2

368445 2003 BH_{11} 2 2.5 322.°62 1.°0/ 2.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 28.64	+19 52.0	1.545	2.400	14.5	19.6
1 12	9 22.38	+19 43.0	1.465	2.388	10.5	19.3
1 22	9 13.40	+19 36.9	1.410	2.376	5.8	19.0
2 1	9 2.65	+19 29.5	1.381	2.365	1.2	18.6
2 11	8 51.55	+19 16.9	1.379	2.355	4.8	18.9
2 21	8 41.56	+18 56.7	1.405	2.344	9.8	19.1
3 2	8 33.93	+18 28.6	1.456	2.335	14.2	19.4
3 12	8 29.42	+17 53.3	1.526	2.326	18.0	19.6

16827 1997 WD_2 2 2.5 122.°72 2.°4/31.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 29.96	+20 45.8	1.881	2.726	12.8	18.2
1 12	9 22.72	+21 47.8	1.829	2.746	9.0	18.0
1 22	9 13.30	+22 53.1	1.802	2.766	5.0	17.8
2 1	9 2.62	+23 54.8	1.805	2.785	2.4	17.7
2 11	8 51.87	+24 46.3	1.838	2.804	5.1	17.9
2 21	8 42.23	+25 23.7	1.899	2.821	8.9	18.1
3 2	8 34.67	+25 45.6	1.987	2.837	12.3	18.4
3 12	8 29.75	+25 53.0	2.096	2.853	15.1	18.6

2020	α_{2000}	δ_{2000}	Δ	r	β	V
123406 2000 WJ_{90}			2 2.5 52°.39	3°.6/31.1 18		
	h m	° ′			°	m
1 2	9 25.37	+23 56.8	1.746	2.605	12.9	19.6
1 12	9 19.71	+24 57.2	1.690	2.613	9.2	19.4
1 22	9 11.76	+25 58.9	1.658	2.622	5.5	19.2
2 1	9 2.42	+26 54.5	1.654	2.630	3.6	19.1
2 11	8 52.94	+27 37.3	1.678	2.639	6.1	19.3
2 21	8 44.54	+28 3.4	1.729	2.648	9.8	19.5
3 2	8 38.22	+28 12.2	1.805	2.657	13.3	19.8
3 12	8 34.62	+28 5.0	1.901	2.667	16.2	20.0
180897 2005 JC_{161}			2 2.5 160°.71	2°.4/ 4.2 18		
1 2	9 24.93	+ 7 45.2	2.035	2.852	13.0	21.2
1 12	9 19.07	+ 8 8.5	1.960	2.858	9.7	21.0
1 22	9 11.32	+ 8 46.0	1.910	2.862	6.1	20.8
2 1	9 2.37	+ 9 34.9	1.887	2.866	2.7	20.6
2 11	8 53.21	+10 30.4	1.895	2.870	3.7	20.6
2 21	8 44.83	+11 27.4	1.932	2.873	7.4	20.9
3 2	8 38.08	+12 21.1	1.996	2.876	10.9	21.1
3 12	8 33.58	+13 7.8	2.083	2.878	14.0	21.3
459699 2013 OZ_{9}			2 2.5 179°.00	1°.0/ 1.8 16		
1 2	9 27.65	+19 19.4	2.476	3.311	10.4	22.2
1 12	9 20.76	+19 36.1	2.400	3.313	7.4	22.0
1 22	9 12.14	+19 55.6	2.350	3.314	4.1	21.8
2 1	9 2.47	+20 14.4	2.330	3.314	1.0	21.6
2 11	8 52.66	+20 29.1	2.342	3.314	3.5	21.8
2 21	8 43.59	+20 37.2	2.385	3.314	6.9	22.0
3 2	8 36.03	+20 37.7	2.455	3.312	10.0	22.2
3 12	8 30.53	+20 30.4	2.549	3.310	12.6	22.4
462891 2010 WO_{17}			2 2.5 120°.89	1°.2/ 3.2 18		
1 2	9 26.41	+12 31.4	1.878	2.711	13.3	21.8
1 12	9 20.21	+12 40.7	1.810	2.719	9.7	21.6
1 22	9 11.95	+13 0.2	1.767	2.727	5.6	21.4
2 1	9 2.45	+13 26.4	1.751	2.735	1.6	21.1
2 11	8 52.80	+13 55.2	1.766	2.742	3.7	21.3
2 21	8 44.09	+14 22.4	1.808	2.749	7.8	21.5
3 2	8 37.23	+14 44.9	1.878	2.756	11.6	21.8
3 12	8 32.82	+15 0.6	1.969	2.763	14.7	22.0
243827 2000 TD_{25}			2 2.5 43°.90	3°.1/ 4.2 18		
1 2	9 25.02	+ 7 36.3	1.164	2.013	18.7	19.4
1 12	9 19.86	+ 8 0.0	1.121	2.034	13.9	19.2
1 22	9 11.94	+ 8 46.2	1.098	2.057	8.5	19.0
2 1	9 2.44	+ 9 49.3	1.100	2.080	3.7	18.7
2 11	8 52.97	+11 0.7	1.127	2.104	5.1	18.9
2 21	8 45.01	+12 11.3	1.179	2.128	10.0	19.2
3 2	8 39.69	+13 13.8	1.254	2.153	14.6	19.6
3 12	8 37.60	+14 3.4	1.349	2.179	18.3	19.9
39697 1996 TH_{5}			2 2.5 44°.57	2°.0/ 1.5 18		
1 2	9 27.97	+19 32.4	1.217	2.085	16.7	18.9
1 12	9 22.02	+20 7.6	1.173	2.101	11.9	18.7
1 22	9 13.15	+20 49.0	1.151	2.119	6.5	18.4
2 1	9 2.60	+21 28.8	1.153	2.137	2.1	18.2
2 11	8 52.09	+21 59.2	1.182	2.155	5.8	18.5
2 21	8 43.22	+22 16.0	1.236	2.175	10.9	18.8
3 2	8 37.16	+22 17.9	1.312	2.194	15.3	19.1
3 12	8 34.51	+22 6.0	1.408	2.214	18.9	19.4
25171 1998 SX_{66}			2 2.5 104°.23	0°.6/ 2.0 18		
1 2	9 23.83	+16 38.3	2.150	2.992	11.5	18.9
1 12	9 18.20	+17 16.1	2.085	3.001	8.2	18.8
1 22	9 10.79	+18 0.4	2.046	3.011	4.4	18.5
2 1	9 2.31	+18 46.6	2.035	3.020	0.7	18.3
2 11	8 53.70	+19 30.0	2.055	3.029	3.6	18.5
2 21	8 45.89	+20 6.6	2.104	3.038	7.3	18.8
3 2	8 39.68	+20 33.8	2.180	3.047	10.7	19.0
3 12	8 35.61	+20 50.8	2.278	3.056	13.4	19.2
115363 2003 SZ_{250}			2 2.5 190°.95	2°.2/ 3.9 18		
1 2	9 25.71	+ 8 54.7	1.854	2.679	13.8	20.9
1 12	9 19.85	+ 9 16.6	1.775	2.678	10.3	20.6
1 22	9 11.85	+ 9 53.2	1.721	2.677	6.3	20.4
2 1	9 2.47	+10 41.3	1.694	2.675	2.5	20.2
2 11	8 52.79	+11 35.7	1.697	2.673	3.9	20.2
2 21	8 43.93	+12 30.9	1.728	2.670	8.0	20.5
3 2	8 36.88	+13 21.9	1.786	2.667	11.9	20.7
3 12	8 32.30	+14 5.1	1.866	2.664	15.3	20.9
189774 2002 CY_{124}			2 2.5 281°.75	0°.5/ 2.8 18		
1 2	9 26.35	+15 11.8	1.895	2.735	12.9	19.9
1 12	9 20.29	+15 10.8	1.815	2.729	9.4	19.7
1 22	9 12.08	+15 16.9	1.759	2.722	5.3	19.4
2 1	9 2.50	+15 27.2	1.731	2.716	1.0	19.1
2 11	8 52.65	+15 37.9	1.733	2.709	3.8	19.3
2 21	8 43.65	+15 46.0	1.763	2.703	8.1	19.6
3 2	8 36.49	+15 49.1	1.819	2.696	11.9	19.8
3 12	8 31.83	+15 46.0	1.897	2.690	15.2	20.0

2020	α_{2000}	δ_{2000}	Δ	r	β	V
424688 2008 RE_{123}			2 2.5 106°.05	0°.7/ 2.9 18		
	h m	° ′			°	m
1 2	9 23.94	+13 7.7	2.084	2.918	12.1	21.8
1 12	9 18.32	+13 30.7	2.015	2.926	8.8	21.6
1 22	9 10.88	+14 3.0	1.972	2.933	5.0	21.4
2 1	9 2.34	+14 40.8	1.957	2.941	1.1	21.2
2 11	8 53.65	+15 19.9	1.972	2.948	3.4	21.4
2 21	8 45.76	+15 56.1	2.016	2.956	7.2	21.6
3 2	8 39.49	+16 26.2	2.087	2.963	10.7	21.8
3 12	8 35.40	+16 48.3	2.180	2.970	13.6	22.0
89461 2001 XJ_{8}			2 2.5 147°.78	1°.6/ 3.5 18		
1 2	9 27.59	+11 45.0	2.218	3.039	12.0	19.4
1 12	9 20.79	+11 39.5	2.146	3.048	8.8	19.2
1 22	9 12.18	+11 42.5	2.099	3.056	5.2	19.0
2 1	9 2.51	+11 51.7	2.082	3.064	1.9	18.8
2 11	8 52.72	+12 4.3	2.096	3.071	3.4	18.9
2 21	8 43.75	+12 17.4	2.140	3.078	7.0	19.1
3 2	8 36.39	+12 28.7	2.211	3.084	10.3	19.3
3 12	8 31.21	+12 36.2	2.306	3.090	13.1	19.5
164466 2006 DS_{156}			2 2.5 171°.51	2°.6/31.7 18		
1 2	9 30.42	+23 16.3	2.221	3.060	11.3	21.0
1 12	9 22.93	+23 56.4	2.151	3.065	8.1	20.8
1 22	9 13.42	+24 37.1	2.107	3.070	4.7	20.6
2 1	9 2.68	+25 13.0	2.094	3.073	2.6	20.4
2 11	8 51.77	+25 39.4	2.112	3.076	4.8	20.6
2 21	8 41.75	+25 53.4	2.160	3.077	8.2	20.8
3 2	8 33.55	+25 54.5	2.235	3.078	11.4	21.0
3 12	8 27.75	+25 43.9	2.332	3.077	14.1	21.2
135568 2002 GC_{18}			2 2.5 242°.31	1°.8/ 1.3 18		
1 2	9 27.52	+19 23.2	1.896	2.742	12.6	20.6
1 12	9 21.33	+20 8.7	1.808	2.727	9.1	20.4
1 22	9 12.77	+21 0.5	1.747	2.712	5.0	20.1
2 1	9 2.62	+21 52.8	1.714	2.697	1.8	19.8
2 11	8 52.01	+22 39.2	1.710	2.681	4.8	20.0
2 21	8 42.17	+23 14.8	1.735	2.664	9.1	20.2
3 2	8 34.22	+23 36.9	1.786	2.647	13.0	20.4
3 12	8 28.93	+23 45.3	1.858	2.629	16.3	20.6
134864 2000 PA_{15}			2 2.5 204°.87	0°.1/ 2.4 18		
1 2	9 24.37	+16 42.2	2.423	3.259	10.6	19.9
1 12	9 18.47	+16 49.7	2.344	3.257	7.6	19.7
1 22	9 10.92	+17 1.9	2.292	3.256	4.2	19.4
2 1	9 2.36	+17 16.0	2.269	3.254	0.5	19.1
2 11	8 53.63	+17 28.8	2.277	3.252	3.2	19.4
2 21	8 45.59	+17 38.0	2.315	3.250	6.7	19.6
3 2	8 38.99	+17 41.7	2.380	3.248	9.8	19.8
3 12	8 34.35	+17 39.2	2.468	3.246	12.5	20.0
76414 2000 FV_{17}			2 2.5 201°.53	4°.3/29.9 18		
1 2	9 24.78	+28 14.3	2.296	3.146	10.5	19.0
1 12	9 19.02	+29 19.5	2.229	3.145	7.7	18.8
1 22	9 11.33	+30 22.8	2.188	3.143	5.2	18.6
2 1	9 2.42	+31 17.9	2.176	3.141	4.4	18.6
2 11	8 53.29	+31 59.4	2.194	3.140	6.2	18.7
2 21	8 44.94	+32 24.2	2.240	3.138	9.0	18.8
3 2	8 38.24	+32 31.9	2.311	3.135	11.7	19.0
3 12	8 33.80	+32 24.0	2.403	3.133	14.1	19.2
170302 2003 SW_{14}			2 2.5 224°.99	1°.4/ 1.6 18		
1 2	9 28.10	+18 44.8	1.892	2.737	12.7	21.1
1 12	9 21.68	+19 22.6	1.809	2.727	9.1	20.9
1 22	9 12.93	+20 6.7	1.752	2.717	5.0	20.6
2 1	9 2.65	+20 51.5	1.723	2.707	1.4	20.3
2 11	8 51.98	+21 31.1	1.724	2.696	4.6	20.5
2 21	8 42.15	+22 1.0	1.753	2.684	8.8	20.8
3 2	8 34.23	+22 18.9	1.809	2.671	12.7	21.0
3 12	8 28.96	+22 24.4	1.885	2.659	16.0	21.2
154071 2002 CS_{198}			2 2.5 93°.96	1°.8/ 1.4 18		
1 2	9 26.67	+20 39.7	1.888	2.738	12.5	20.2
1 12	9 20.49	+21 5.3	1.821	2.741	8.9	20.0
1 22	9 12.17	+21 34.0	1.778	2.744	4.9	19.8
2 1	9 2.53	+22 0.9	1.764	2.747	1.8	19.5
2 11	8 52.74	+22 21.1	1.780	2.750	4.6	19.7
2 21	8 43.92	+22 31.4	1.823	2.753	8.6	20.0
3 2	8 37.04	+22 30.7	1.892	2.757	12.2	20.2
3 12	8 32.70	+22 19.4	1.982	2.760	15.2	20.4
432536 2010 GB_{129}			2 2.5 286°.39	4°.1/ 5.5 17		
1 2	9 21.62	+ 3 23.1	2.231	3.032	12.6	21.9
1 12	9 16.67	+ 3 18.1	2.143	3.024	9.8	21.7
1 22	9 10.02	+ 3 28.3	2.079	3.016	6.9	21.5
2 1	9 2.26	+ 3 53.0	2.042	3.008	4.4	21.3
2 11	8 54.23	+ 4 29.4	2.034	3.001	4.6	21.3
2 21	8 46.79	+ 5 13.8	2.055	2.993	7.2	21.5
3 2	8 40.75	+ 6 1.5	2.102	2.985	10.3	21.6
3 12	8 36.67	+ 6 48.1	2.173	2.978	13.2	21.8

34759 2001 QL_{151} 2 2.5 19°.35 23°.1/10.7 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 2	10 36.13	+67 25.8	0.879	1.641	30.0	15.9
1 12	10 10.17	+67 1.5	0.872	1.671	27.5	15.8
1 22	9 36.98	+65 27.2	0.877	1.703	25.2	15.8
2 1	9 5.18	+62 27.1	0.898	1.739	23.7	15.9
2 11	8 41.30	+58 14.0	0.938	1.778	23.1	16.0
2 21	8 26.86	+53 18.4	0.999	1.819	23.6	16.2
3 2	8 20.54	+48 10.8	1.080	1.862	24.8	16.5
3 12	8 20.31	+43 13.1	1.181	1.907	26.1	16.8

52178 2244 $T\text{-}_2$ 2 2.5 167°.40 0°.3/ 2.7 18

1 2	9 25.95	+14 2.5	2.009	2.844	12.5	19.8
1 12	9 19.87	+14 30.7	1.936	2.848	9.0	19.6
1 22	9 11.80	+15 8.1	1.888	2.851	5.0	19.4
2 1	9 2.49	+15 50.5	1.868	2.853	0.8	19.1
2 11	8 52.97	+16 32.9	1.879	2.855	3.6	19.3
2 21	8 44.27	+17 11.1	1.919	2.857	7.7	19.5
3 2	8 37.31	+17 41.7	1.985	2.858	11.3	19.8
3 12	8 32.68	+18 3.2	2.074	2.859	14.4	20.0

138650 2000 RY_{53} 2 2.5 125°.63 1°.7/ 3.7 18

1 2	9 24.40	+11 0.4	2.581	3.399	10.6	20.0
1 12	9 18.33	+10 50.2	2.507	3.407	7.8	19.8
1 22	9 10.78	+10 47.6	2.460	3.415	4.7	19.6
2 1	9 2.35	+10 51.0	2.442	3.422	1.9	19.4
2 11	8 53.83	+10 58.3	2.455	3.430	3.0	19.5
2 21	8 45.97	+11 7.1	2.498	3.437	6.1	19.7
3 2	8 39.43	+11 15.4	2.570	3.444	9.0	19.9
3 12	8 34.71	+11 21.2	2.665	3.451	11.5	20.1

433049 2012 SJ_{51} 2 2.5 258°.04 1°.7/ 1.4 17

1 2	9 25.82	+21 25.5	2.239	3.083	11.0	20.7
1 12	9 19.70	+21 42.8	2.159	3.077	7.9	20.5
1 22	9 11.68	+22 1.9	2.105	3.070	4.4	20.2
2 1	9 2.49	+22 18.8	2.080	3.063	1.7	20.0
2 11	8 53.08	+22 29.7	2.086	3.055	4.1	20.2
2 21	8 44.43	+22 32.1	2.120	3.048	7.7	20.4
3 2	8 37.41	+22 25.1	2.181	3.041	11.0	20.6
3 12	8 32.61	+22 8.9	2.265	3.034	13.8	20.8

111501 2001 YX_{65} 2 2.5 270°.10 0°.9/ 1.8 18

1 2	9 22.15	+18 5.6	2.477	3.318	10.2	19.5
1 12	9 16.97	+18 37.1	2.392	3.308	7.3	19.3
1 22	9 10.15	+19 13.7	2.333	3.298	4.0	19.1
2 1	9 2.29	+19 51.5	2.304	3.288	0.9	18.8
2 11	8 54.18	+20 26.5	2.305	3.278	3.4	19.0
2 21	8 46.66	+20 55.4	2.336	3.268	6.9	19.2
3 2	8 40.48	+21 15.9	2.394	3.258	10.0	19.4
3 12	8 36.20	+21 27.2	2.475	3.247	12.7	19.6

158408 2002 AO_{12} 2 2.5 331°.94 0°.3/ 2.6 18

1 2	9 28.29	+17 11.9	1.599	2.448	14.4	18.7
1 12	9 22.02	+16 48.5	1.519	2.438	10.4	18.4
1 22	9 13.18	+16 29.9	1.464	2.429	5.9	18.1
2 1	9 2.70	+16 13.1	1.436	2.421	0.9	17.7
2 11	8 51.90	+15 55.4	1.436	2.412	4.3	18.0
2 21	8 42.17	+15 34.7	1.463	2.405	9.2	18.2
3 2	8 34.66	+15 10.0	1.515	2.398	13.6	18.5
3 12	8 30.13	+14 41.1	1.588	2.392	17.2	18.7

43989 1997 LG_4 2 2.5 143°.80 2°.1/ 4.4 18

1 2	9 22.18	+ 6 46.8	2.428	3.237	11.4	19.7
1 12	9 16.90	+ 7 29.5	2.352	3.245	8.5	19.5
1 22	9 10.06	+ 8 25.7	2.302	3.253	5.3	19.3
2 1	9 2.28	+ 9 32.2	2.282	3.260	2.4	19.1
2 11	8 54.32	+10 44.4	2.292	3.267	3.2	19.2
2 21	8 46.98	+11 57.1	2.333	3.273	6.3	19.4
3 2	8 40.96	+13 5.9	2.402	3.280	9.4	19.6
3 12	8 36.78	+14 7.0	2.496	3.285	12.1	19.8

131427 2001 OW_{98} 2 2.5 92°.02 0°.3/ 2.3 18

1 2	9 26.77	+17 41.7	2.418	3.252	10.7	19.0
1 12	9 20.02	+17 42.4	2.359	3.271	7.6	18.8
1 22	9 11.68	+17 46.5	2.326	3.290	4.1	18.6
2 1	9 2.48	+17 51.3	2.324	3.309	0.5	18.3
2 11	8 53.29	+17 54.0	2.352	3.327	3.2	18.6
2 21	8 44.95	+17 52.8	2.411	3.345	6.5	18.8
3 2	8 38.15	+17 46.6	2.498	3.363	9.6	19.1
3 12	8 33.36	+17 35.2	2.608	3.381	12.1	19.3

151979 2004 HO_9 2 2.5 258°.70 0°.4/ 2.3 18

1 2	9 28.77	+16 9.4	1.508	2.358	15.1	20.5
1 12	9 22.66	+16 32.8	1.425	2.344	11.0	20.2
1 22	9 13.71	+17 6.2	1.364	2.330	6.1	19.9
2 1	9 2.79	+17 44.4	1.330	2.315	0.8	19.5
2 11	8 51.33	+18 20.8	1.325	2.300	4.8	19.7
2 21	8 40.84	+18 50.0	1.346	2.285	10.1	20.0
3 2	8 32.68	+19 8.4	1.391	2.270	14.8	20.2
3 12	8 27.74	+19 14.9	1.456	2.254	18.8	20.4

462269 2008 EZ_{127} 2 2.5 12°.65 4°.7/ 5.8 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 2	9 20.83	+ 2 22.5	1.389	2.215	17.5	21.5
1 12	9 16.83	+ 2 55.2	1.320	2.217	13.6	21.2
1 22	9 10.37	+ 3 55.4	1.273	2.220	9.2	21.0
2 1	9 2.34	+ 5 20.0	1.250	2.223	5.4	20.8
2 11	8 54.00	+ 7 1.3	1.254	2.228	5.5	20.8
2 21	8 46.67	+ 8 49.2	1.284	2.233	9.4	21.0
3 2	8 41.49	+10 33.3	1.338	2.239	13.7	21.3
3 12	8 39.19	+12 5.7	1.413	2.245	17.5	21.5

186237 2001 XC_{124} 2 2.5 201°.84 1°.6/ 1.3 18

1 2	9 25.48	+19 21.8	2.072	2.918	11.7	20.5
1 12	9 19.60	+20 9.5	1.996	2.915	8.3	20.3
1 22	9 11.70	+21 2.5	1.947	2.912	4.6	20.1
2 1	9 2.51	+21 55.4	1.926	2.909	1.6	19.9
2 11	8 53.05	+22 42.5	1.935	2.905	4.4	20.0
2 21	8 44.38	+23 19.6	1.974	2.901	8.2	20.3
3 2	8 37.41	+23 44.3	2.038	2.897	11.7	20.5
3 12	8 32.78	+23 56.3	2.124	2.892	14.6	20.7

419732 2010 VW_{46} 2 2.5 217°.89 3°.8/30.7 18

1 2	9 27.84	+25 59.0	2.075	2.924	11.6	21.3
1 12	9 21.39	+26 55.1	2.000	2.917	8.4	21.1
1 22	9 12.74	+27 51.0	1.950	2.910	5.2	20.9
2 1	9 2.65	+28 40.2	1.930	2.902	3.9	20.8
2 11	8 52.26	+29 16.5	1.939	2.894	6.0	20.9
2 21	8 42.71	+29 36.7	1.976	2.885	9.4	21.1
3 2	8 35.02	+29 40.1	2.039	2.876	12.6	21.3
3 12	8 29.88	+29 28.2	2.122	2.866	15.4	21.5

204907 2007 VP_{291} 2 2.5 33°.06 0°.1/ 2.6 17

1 2	9 22.07	+14 44.7	2.192	3.031	11.4	20.5
1 12	9 16.99	+15 13.4	2.119	3.034	8.2	20.3
1 22	9 10.18	+15 50.0	2.073	3.037	4.5	20.1
2 1	9 2.31	+16 30.7	2.055	3.040	0.6	19.8
2 11	8 54.27	+17 11.2	2.067	3.043	3.3	20.0
2 21	8 46.95	+17 47.4	2.107	3.046	7.0	20.3
3 2	8 41.12	+18 16.5	2.175	3.049	10.4	20.5
3 12	8 37.35	+18 36.8	2.265	3.053	13.2	20.7

187273 2005 TJ_{45} 2 2.5 107°.34 0°.0/ 2.4 18

1 2	9 26.18	+14 54.1	2.080	2.915	12.1	20.7
1 12	9 19.85	+15 28.5	2.022	2.934	8.6	20.6
1 22	9 11.71	+16 10.5	1.990	2.954	4.7	20.4
2 1	9 2.51	+16 55.7	1.987	2.972	0.6	20.1
2 11	8 53.25	+17 39.1	2.015	2.990	3.5	20.3
2 21	8 44.90	+18 16.9	2.072	3.008	7.3	20.6
3 2	8 38.27	+18 46.2	2.156	3.025	10.7	20.8
3 12	8 33.87	+19 5.9	2.263	3.042	13.5	21.1

467561 2007 TV_{215} 2 2.5 104°.12 4°.1/ 5.7 18

1 2	9 22.34	+ 2 34.6	2.405	3.196	12.1	20.8
1 12	9 16.98	+ 2 26.5	2.332	3.206	9.4	20.6
1 22	9 10.10	+ 2 32.7	2.283	3.216	6.6	20.4
2 1	9 2.30	+ 2 52.6	2.262	3.225	4.4	20.3
2 11	8 54.37	+ 3 23.5	2.271	3.235	4.5	20.3
2 21	8 47.10	+ 4 1.9	2.309	3.244	6.7	20.5
3 2	8 41.16	+ 4 43.9	2.374	3.253	9.5	20.7
3 12	8 37.05	+ 5 25.3	2.464	3.262	12.0	20.8

337694 2001 TL_{252} 2 2.5 213°.16 5°.2/ 7.4 18

1 2	9 20.48	− 3 15.7	2.572	3.333	12.2	21.2
1 12	9 15.68	− 3 8.6	2.482	3.330	10.0	21.0
1 22	9 9.42	− 2 43.4	2.416	3.326	7.6	20.9
2 1	9 2.22	− 2 0.4	2.377	3.322	5.7	20.7
2 11	8 54.80	− 1 2.1	2.367	3.318	5.4	20.7
2 21	8 47.89	+ 0 7.3	2.386	3.313	7.0	20.8
3 2	8 42.17	+ 1 22.6	2.433	3.309	9.4	20.9
3 12	8 38.14	+ 2 38.6	2.504	3.304	11.8	21.1

452439 2003 QC_{68} 2 2.5 115°.23 0°.0/ 2.5 18

1 2	9 28.79	+14 56.0	1.813	2.650	13.5	21.9
1 12	9 21.92	+15 23.8	1.755	2.668	9.7	21.7
1 22	9 12.92	+16 0.1	1.722	2.685	5.3	21.5
2 1	9 2.68	+16 40.0	1.717	2.702	0.7	21.2
2 11	8 52.38	+17 18.3	1.743	2.719	3.9	21.4
2 21	8 43.16	+17 50.5	1.797	2.734	8.2	21.7
3 2	8 35.96	+18 14.1	1.878	2.749	11.9	22.0
3 12	8 31.35	+18 28.0	1.980	2.764	15.0	22.2

410539 2008 FR_{59} 2 2.5 35°.64 9°.6/27.7 18

1 2	9 31.96	+39 21.1	1.605	2.452	14.5	20.6
1 12	9 24.99	+40 40.6	1.559	2.457	11.8	20.4
1 22	9 14.90	+41 45.3	1.536	2.461	9.9	20.3
2 1	9 2.94	+42 24.6	1.538	2.466	9.8	20.3
2 11	8 50.90	+42 32.0	1.565	2.471	11.4	20.4
2 21	8 40.49	+42 7.4	1.616	2.476	14.0	20.6
3 2	8 33.02	+41 15.2	1.688	2.482	16.7	20.8
3 12	8 29.14	+40 2.7	1.778	2.488	19.0	21.0

70350 1999 RE_{181} 2 2.5 353°.91 7°.8/30.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 2	9 27.26	+31 10.3	1.090	1.969	17.2	17.1
1 12	9 22.37	+31 58.2	1.033	1.962	13.1	16.8
1 22	9 13.77	+32 38.2	0.998	1.956	9.2	16.6
2 1	9 2.82	+32 58.4	0.985	1.951	7.8	16.5
2 11	8 51.60	+32 50.3	0.995	1.948	10.4	16.6
2 21	8 42.20	+32 12.4	1.027	1.947	14.7	16.8
3 2	8 36.19	+31 8.8	1.079	1.947	19.0	17.1
3 12	8 34.28	+29 46.6	1.148	1.949	22.7	17.3

114617 2003 DU_{20} 2 2.5 282°.49 1°.2/ 1.8 18

1 2	9 26.19	+18 51.3	1.800	2.650	13.0	20.0
1 12	9 20.39	+19 15.6	1.719	2.639	9.3	19.7
1 22	9 12.27	+19 45.6	1.663	2.629	5.1	19.4
2 1	9 2.62	+20 16.3	1.634	2.618	1.3	19.1
2 11	8 52.62	+20 42.4	1.634	2.608	4.5	19.3
2 21	8 43.50	+20 59.9	1.662	2.597	8.9	19.6
3 2	8 36.33	+21 6.7	1.715	2.586	12.9	19.8
3 12	8 31.83	+21 2.4	1.790	2.576	16.3	20.0

99406 2002 AO_{64} 2 2.5 322°.88 1°.5/ 3.3 18

1 2	9 24.46	+11 19.6	1.368	2.219	16.3	19.6
1 12	9 19.63	+11 42.3	1.294	2.211	12.0	19.3
1 22	9 12.04	+12 22.0	1.241	2.204	7.1	19.0
2 1	9 2.61	+13 14.2	1.213	2.197	2.0	18.7
2 11	8 52.72	+14 11.8	1.212	2.190	4.6	18.8
2 21	8 43.88	+15 7.6	1.237	2.184	9.9	19.1
3 2	8 37.38	+15 55.3	1.285	2.178	14.8	19.4
3 12	8 34.06	+16 31.1	1.353	2.173	18.8	19.6

490018 2008 SF_{265} 2 2.5 312°.58 5°.3/30.4 18

1 2	9 28.08	+25 44.3	1.371	2.238	15.2	21.3
1 12	9 22.40	+27 1.9	1.308	2.234	11.1	21.0
1 22	9 13.63	+28 21.2	1.268	2.231	7.0	20.8
2 1	9 2.82	+29 31.2	1.255	2.227	5.4	20.7
2 11	8 51.61	+30 21.9	1.267	2.224	8.3	20.8
2 21	8 41.71	+30 48.2	1.305	2.221	12.6	21.1
3 2	8 34.55	+30 49.8	1.364	2.217	16.7	21.3
3 12	8 30.93	+30 30.0	1.441	2.215	20.1	21.5

7692 Edhenderson 2 2.5 74°.65 6°.8/29.3 18

1 2	9 33.06	+38 40.2	2.251	3.081	11.5	17.6
1 12	9 24.75	+39 16.5	2.210	3.102	9.1	17.5
1 22	9 14.35	+39 40.2	2.196	3.122	7.3	17.4
2 1	9 2.86	+39 45.5	2.209	3.142	6.9	17.4
2 11	8 51.58	+39 29.4	2.251	3.163	8.1	17.5
2 21	8 41.64	+38 52.5	2.320	3.183	10.2	17.7
3 2	8 33.93	+37 58.2	2.413	3.203	12.4	17.9
3 12	8 28.91	+36 51.1	2.528	3.223	14.3	18.1

502751 2015 DV_{48} 2 2.5 203°.41 4°.3/29.7 17

1 2	9 26.83	+32 25.5	2.927	3.763	8.9	22.3
1 12	9 20.15	+33 4.0	2.854	3.759	6.7	22.2
1 22	9 11.85	+33 37.4	2.809	3.754	4.9	22.0
2 1	9 2.56	+34 0.9	2.794	3.749	4.3	22.0
2 11	8 53.13	+34 11.4	2.810	3.743	5.7	22.1
2 21	8 44.40	+34 7.3	2.854	3.737	7.8	22.2
3 2	8 37.08	+33 49.2	2.925	3.730	10.0	22.3
3 12	8 31.72	+33 18.9	3.018	3.723	12.0	22.5

79644 1998 SA_{11} 2 2.5 221°.75 1°.4/ 3.3 18

1 2	9 28.71	+11 27.6	1.777	2.607	14.1	21.0
1 12	9 22.23	+11 45.1	1.690	2.597	10.4	20.8
1 22	9 13.32	+12 15.3	1.627	2.587	6.1	20.5
2 1	9 2.79	+12 54.8	1.592	2.575	1.9	20.2
2 11	8 51.80	+13 38.4	1.587	2.563	4.0	20.3
2 21	8 41.63	+14 20.9	1.610	2.551	8.7	20.6
3 2	8 33.41	+14 57.9	1.660	2.537	12.9	20.8
3 12	8 27.92	+15 26.5	1.731	2.523	16.5	21.0

250203 2002 UN_{65} 2 2.5 146°.09 6°.7/ 7.3 18 R

1 2	9 23.28	− 3 1.9	1.783	2.564	16.1	20.8
1 12	9 18.19	− 3 4.2	1.706	2.566	13.1	20.6
1 22	9 11.01	− 2 41.7	1.650	2.567	9.9	20.4
2 1	9 2.48	− 1 54.4	1.619	2.569	7.3	20.2
2 11	8 53.66	− 0 45.7	1.615	2.570	6.9	20.2
2 21	8 45.64	+ 0 37.8	1.638	2.571	9.1	20.3
3 2	8 39.40	+ 2 8.3	1.687	2.573	12.3	20.5
3 12	8 35.58	+ 3 37.6	1.759	2.574	15.4	20.7

111021 2001 VY_{11} 2 2.5 100°.46 3°.6/ 4.7 18

1 2	9 27.73	+ 6 19.1	1.990	2.798	13.6	19.3
1 12	9 20.98	+ 6 0.2	1.929	2.818	10.4	19.1
1 22	9 12.35	+ 5 54.8	1.892	2.837	6.8	19.0
2 1	9 2.64	+ 6 1.8	1.884	2.856	3.9	18.8
2 11	8 52.89	+ 6 18.4	1.905	2.874	4.5	18.9
2 21	8 44.09	+ 6 41.1	1.955	2.892	7.6	19.1
3 2	8 37.06	+ 7 6.1	2.031	2.910	10.8	19.3
3 12	8 32.33	+ 7 29.6	2.131	2.927	13.7	19.6

399713 2004 VN_{18} 2 2.5 116°.53 3°.7/ 4.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 2	9 27.77	+ 6 5.0	1.690	2.506	15.3	21.2
1 12	9 21.34	+ 6 6.2	1.626	2.520	11.6	21.0
1 22	9 12.69	+ 6 24.6	1.586	2.534	7.5	20.8
2 1	9 2.70	+ 6 57.8	1.573	2.548	4.1	20.6
2 11	8 52.58	+ 7 41.4	1.588	2.561	4.7	20.7
2 21	8 43.51	+ 8 29.8	1.631	2.573	8.4	20.9
3 2	8 36.47	+ 9 17.5	1.701	2.585	12.3	21.1
3 12	8 32.08	+10 0.1	1.792	2.596	15.5	21.4

440424 2005 RM_{22} 2 2.5 104°.00 1°.9/ 3.5 17

1 2	9 30.95	+11 0.3	1.525	2.358	15.8	21.2
1 12	9 23.70	+11 6.9	1.470	2.378	11.6	21.0
1 22	9 13.99	+11 27.0	1.439	2.398	6.8	20.8
2 1	9 2.87	+11 56.6	1.436	2.418	2.3	20.6
2 11	8 51.73	+12 30.5	1.460	2.437	4.3	20.7
2 21	8 41.90	+13 3.4	1.513	2.455	8.9	21.1
3 2	8 34.46	+13 31.5	1.591	2.473	13.1	21.3
3 12	8 29.98	+13 52.1	1.690	2.490	16.5	21.6

719 Albert 2 2.5 112°.68 3°.2/ 5.6 18 A

1 2	9 26.10	+ 2 46.1	2.784	3.562	11.0	21.2
1 12	9 19.36	+ 3 7.3	2.725	3.595	8.4	21.0
1 22	9 11.30	+ 3 41.5	2.692	3.626	5.7	20.9
2 1	9 2.51	+ 4 26.5	2.690	3.656	3.5	20.8
2 11	8 53.71	+ 5 19.2	2.719	3.685	3.6	20.8
2 21	8 45.60	+ 6 15.6	2.780	3.713	5.8	21.0
3 2	8 38.78	+ 7 11.8	2.870	3.740	8.3	21.2
3 12	8 33.65	+ 8 4.5	2.986	3.766	10.5	21.4

462089 2007 GA_{40} 2 2.5 254°.56 4°.2/30.3 17

1 2	9 26.79	+27 40.9	2.167	3.016	11.1	21.9
1 12	9 20.67	+28 37.6	2.085	3.001	8.2	21.7
1 22	9 12.39	+29 33.3	2.030	2.986	5.4	21.5
2 1	9 2.68	+30 21.2	2.003	2.971	4.3	21.4
2 11	8 52.60	+30 55.5	2.006	2.956	6.3	21.5
2 21	8 43.28	+31 13.1	2.037	2.940	9.5	21.6
3 2	8 35.73	+31 13.2	2.093	2.924	12.5	21.8
3 12	8 30.65	+30 57.5	2.170	2.907	15.2	21.9

45303 2000 AP_{47} 2 2.5 102°.24 0°.2/ 2.4 18

1 2	9 24.55	+16 2.5	2.156	2.995	11.6	19.0
1 12	9 18.73	+16 27.6	2.090	3.005	8.3	18.8
1 22	9 11.14	+16 59.2	2.051	3.015	4.5	18.6
2 1	9 2.50	+17 33.4	2.040	3.025	0.6	18.3
2 11	8 53.74	+18 5.8	2.059	3.035	3.4	18.5
2 21	8 45.80	+18 32.9	2.108	3.044	7.2	18.8
3 2	8 39.46	+18 52.6	2.183	3.054	10.5	19.0
3 12	8 35.27	+19 3.6	2.282	3.063	13.3	19.2

85307 1994 WN 2 2.5 37°.88 3°.2/ 3.9 18

1 2	9 27.61	+10 12.7	1.064	1.921	19.4	17.9
1 12	9 21.94	+ 9 53.4	1.021	1.939	14.3	17.7
1 22	9 13.22	+ 9 52.8	0.998	1.959	8.7	17.4
2 1	9 2.77	+10 7.6	0.998	1.979	3.7	17.2
2 11	8 52.38	+10 32.1	1.023	2.000	5.5	17.4
2 21	8 43.72	+10 59.9	1.072	2.022	10.6	17.8
3 2	8 37.99	+11 25.2	1.143	2.045	15.4	18.1
3 12	8 35.79	+11 44.0	1.233	2.068	19.4	18.4

456504 2006 WR_{202} 2 2.5 83°.48 4°.1/30.7 18

1 2	9 28.15	+24 44.9	1.726	2.581	13.2	21.2
1 12	9 21.68	+26 3.9	1.682	2.603	9.4	21.0
1 22	9 12.88	+27 22.6	1.664	2.625	5.8	20.9
2 1	9 2.74	+28 32.5	1.674	2.647	4.2	20.8
2 11	8 52.57	+29 26.3	1.712	2.668	6.6	21.0
2 21	8 43.62	+30 0.5	1.778	2.690	10.1	21.2
3 2	8 36.88	+30 14.9	1.869	2.710	13.3	21.5
3 12	8 32.94	+30 11.8	1.979	2.731	16.1	21.7

38630 2000 GA_{93} 2 2.5 305°.28 3°.2/31.8 18

1 2	9 27.24	+21 13.8	1.320	2.186	15.7	18.9
1 12	9 21.87	+22 11.1	1.250	2.178	11.3	18.6
1 22	9 13.41	+23 15.5	1.203	2.170	6.4	18.3
2 1	9 2.85	+24 17.8	1.181	2.162	3.3	18.1
2 11	8 51.81	+25 8.5	1.185	2.154	6.7	18.2
2 21	8 42.00	+25 41.2	1.215	2.147	11.8	18.5
3 2	8 34.86	+25 53.6	1.267	2.139	16.4	18.7
3 12	8 31.27	+25 47.1	1.337	2.133	20.3	19.0

335647 2006 KU_{69} 2 2.5 182°.11 4°.0/ 6.1 17

1 2	9 21.88	+ 1 17.8	2.629	3.411	11.4	22.0
1 12	9 16.64	+ 1 21.4	2.544	3.411	9.0	21.8
1 22	9 9.96	+ 1 39.7	2.483	3.411	6.4	21.6
2 1	9 2.37	+ 2 11.7	2.451	3.411	4.4	21.5
2 11	8 54.59	+ 2 54.9	2.449	3.411	4.4	21.5
2 21	8 47.34	+ 3 45.6	2.476	3.410	6.4	21.6
3 2	8 41.29	+ 4 39.7	2.531	3.408	9.0	21.8
3 12	8 36.93	+ 5 33.1	2.611	3.407	11.5	22.0

179768 2002 SP_8 2 2.5 59°.42 3°.2/31.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 2	9 30.82	+22 26.9	1.425	2.284	15.3	20.2
1 12	9 23.64	+23 18.4	1.393	2.317	10.8	20.0
1 22	9 13.91	+24 10.9	1.385	2.350	6.1	19.8
2 1	9 2.87	+24 56.2	1.404	2.384	3.2	19.7
2 11	8 52.07	+25 27.7	1.450	2.417	6.1	20.0
2 21	8 42.91	+25 42.5	1.524	2.450	10.2	20.3
3 2	8 36.37	+25 41.0	1.620	2.483	14.0	20.6
3 12	8 32.94	+25 25.4	1.737	2.516	17.0	20.9

355884 2008 VJ_{74} 2 2.5 317°.86 5°.3/30.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 27.76	+25 42.1	1.378	2.245	15.1	20.6
1 12	9 22.19	+26 59.4	1.314	2.240	11.0	20.3
1 22	9 13.54	+28 18.6	1.274	2.236	7.0	20.1
2 1	9 2.87	+29 28.6	1.259	2.232	5.4	20.0
2 11	8 51.79	+30 19.6	1.271	2.228	8.2	20.1
2 21	8 42.01	+30 46.4	1.308	2.224	12.5	20.4
3 2	8 34.92	+30 48.5	1.367	2.221	16.6	20.6
3 12	8 31.36	+30 29.3	1.444	2.218	20.1	20.8

222268 2000 RS_1 2 2.5 197°.09 3°.8/ 5.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 23.29	+ 1 31.2	2.598	3.379	11.6	21.1
1 12	9 17.70	+ 1 46.8	2.507	3.375	9.1	20.9
1 22	9 10.57	+ 2 17.8	2.441	3.371	6.4	20.8
2 1	9 2.46	+ 3 2.9	2.403	3.366	4.2	20.6
2 11	8 54.11	+ 3 59.1	2.396	3.360	4.2	20.6
2 21	8 46.27	+ 5 2.2	2.419	3.354	6.5	20.7
3 2	8 39.66	+ 6 7.6	2.471	3.347	9.3	20.9
3 12	8 34.80	+ 7 10.9	2.548	3.340	11.8	21.1

220572 2004 HZ_{54} 2 2.5 210°.60 3°.5/ 5.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 23.62	+ 2 56.0	2.426	3.217	12.0	21.9
1 12	9 18.05	+ 3 16.1	2.333	3.210	9.3	21.7
1 22	9 10.82	+ 3 51.9	2.265	3.202	6.4	21.5
2 1	9 2.50	+ 4 42.0	2.225	3.193	3.9	21.3
2 11	8 53.89	+ 5 42.9	2.216	3.184	4.1	21.3
2 21	8 45.81	+ 6 49.9	2.237	3.174	6.8	21.5
3 2	8 39.04	+ 7 57.9	2.286	3.164	9.8	21.6
3 12	8 34.15	+ 9 2.5	2.360	3.152	12.6	21.8

65175 2002 CC_{218} 2 2.5 211°.50 0°.0/ 2.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 24.08	+14 39.8	2.393	3.225	10.8	20.7
1 12	9 18.41	+15 14.0	2.308	3.219	7.8	20.5
1 22	9 11.02	+15 56.0	2.250	3.213	4.3	20.3
2 1	9 2.53	+16 42.1	2.221	3.206	0.6	20.0
2 11	8 53.78	+17 28.0	2.223	3.199	3.2	20.2
2 21	8 45.64	+18 9.6	2.255	3.191	6.8	20.4
3 2	8 38.89	+18 44.0	2.315	3.183	10.1	20.6
3 12	8 34.12	+19 9.6	2.398	3.174	12.9	20.8

262754 2006 XW_{57} 2 2.5 15°.81 7°.2/28.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 24.51	+29 8.6	1.397	2.268	14.7	19.4
1 12	9 19.83	+31 6.4	1.347	2.272	11.0	19.2
1 22	9 12.22	+33 2.0	1.321	2.276	7.9	19.0
2 1	9 2.71	+34 42.1	1.322	2.281	7.4	19.0
2 11	8 52.88	+35 56.2	1.348	2.287	9.9	19.2
2 21	8 44.36	+36 39.3	1.398	2.293	13.5	19.4
3 2	8 38.49	+36 51.8	1.469	2.300	16.9	19.6
3 12	8 35.99	+36 38.3	1.558	2.308	19.8	19.9

352712 2008 SM_{191} 2 2.5 321°.73 1°.2/ 2.0 18 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 29.02	+18 50.3	1.278	2.140	16.4	20.6
1 12	9 23.12	+19 0.9	1.207	2.133	11.9	20.3
1 22	9 14.08	+19 18.3	1.159	2.126	6.6	20.0
2 1	9 2.96	+19 36.5	1.135	2.120	1.4	19.6
2 11	8 51.44	+19 49.1	1.138	2.114	5.5	19.9
2 21	8 41.23	+19 51.7	1.166	2.108	11.0	20.1
3 2	8 33.79	+19 42.9	1.217	2.103	16.0	20.4
3 12	8 29.94	+19 22.8	1.287	2.098	20.1	20.7

57744 2001 UN_{170} 2 2.5 270°.71 0°.6/ 2.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 25.03	+13 38.4	1.809	2.650	13.4	19.9
1 12	9 19.50	+13 58.9	1.732	2.646	9.7	19.6
1 22	9 11.77	+14 29.8	1.679	2.642	5.5	19.4
2 1	9 2.65	+15 7.2	1.654	2.638	1.1	19.1
2 11	8 53.24	+15 46.0	1.657	2.634	3.8	19.3
2 21	8 44.67	+16 21.5	1.689	2.630	8.2	19.5
3 2	8 37.96	+16 49.9	1.747	2.627	12.2	19.7
3 12	8 33.78	+17 9.3	1.826	2.623	15.6	20.0

378748 2008 RW_{91} 2 2.5 123°.28 0°.2/ 2.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 24.75	+16 3.9	2.149	2.988	11.6	21.8
1 12	9 18.93	+16 29.3	2.080	2.995	8.3	21.6
1 22	9 11.30	+17 1.2	2.037	3.001	4.6	21.4
2 1	9 2.58	+17 35.9	2.023	3.008	0.6	21.1
2 11	8 53.71	+18 8.8	2.039	3.014	3.5	21.4
2 21	8 45.63	+18 36.5	2.084	3.020	7.3	21.6
3 2	8 39.17	+18 56.5	2.155	3.026	10.6	21.8
3 12	8 34.87	+19 7.7	2.250	3.032	13.5	22.0

258224 2001 TE_{62} 2 2.5 106°.78 1°.7/ 1.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 2	9 26.54	+19 27.9	1.861	2.710	12.7	20.4
1 12	9 20.44	+20 10.3	1.800	2.720	9.0	20.2
1 22	9 12.21	+20 57.4	1.764	2.729	4.9	19.9
2 1	9 2.70	+21 43.7	1.756	2.739	1.7	19.7
2 11	8 53.05	+22 23.3	1.777	2.748	4.6	19.9
2 21	8 44.40	+22 52.1	1.827	2.757	8.6	20.2
3 2	8 37.68	+23 8.5	1.902	2.766	12.2	20.4
3 12	8 33.49	+23 12.5	1.999	2.775	15.1	20.7

449315 2013 FY_6 2 2.5 289°.95 1°.5/ 4.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 18.52	+ 9 8.9	3.056	3.871	9.2	21.3
1 12	9 14.18	+ 9 29.4	2.959	3.857	6.8	21.1
1 22	9 8.60	+ 9 58.9	2.890	3.843	4.2	20.9
2 1	9 2.22	+10 35.6	2.849	3.829	1.8	20.7
2 11	8 55.64	+11 16.7	2.840	3.815	2.6	20.8
2 21	8 49.46	+11 59.2	2.861	3.801	5.3	20.9
3 2	8 44.24	+12 40.0	2.910	3.787	8.0	21.1
3 12	8 40.44	+13 16.8	2.984	3.774	10.3	21.2

187592 2006 WN_{115} 2 2.5 341°.29 1°.7/ 1.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 24.66	+19 10.7	1.410	2.274	15.1	19.6
1 12	9 19.78	+19 40.4	1.339	2.266	10.8	19.3
1 22	9 12.15	+20 17.4	1.290	2.258	6.0	19.0
2 1	9 2.72	+20 55.3	1.267	2.251	1.7	18.7
2 11	8 52.92	+21 27.0	1.271	2.245	5.4	18.9
2 21	8 44.23	+21 47.5	1.300	2.240	10.4	19.2
3 2	8 37.94	+21 54.2	1.353	2.235	14.9	19.4
3 12	8 34.81	+21 47.0	1.424	2.231	18.7	19.7

114787 2003 MX_9 2 2.5 163°.64 1°.6/ 1.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 29.72	+20 6.7	2.100	2.939	11.9	21.0
1 12	9 22.55	+20 42.1	2.031	2.946	8.4	20.8
1 22	9 13.33	+21 21.0	1.988	2.953	4.7	20.5
2 1	9 2.86	+21 58.2	1.975	2.958	1.6	20.3
2 11	8 52.23	+22 28.6	1.993	2.963	4.3	20.5
2 21	8 42.51	+22 49.2	2.040	2.967	8.1	20.8
3 2	8 34.63	+22 58.5	2.114	2.970	11.5	21.0
3 12	8 29.17	+22 56.8	2.211	2.972	14.3	21.2

446848 2001 TN_{27} 2 2.5 99°.25 2°.3/ 1.3 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 32.61	+20 57.9	1.587	2.435	14.5	22.4
1 12	9 24.87	+21 38.1	1.541	2.460	10.3	22.2
1 22	9 14.64	+22 21.1	1.519	2.484	5.7	21.9
2 1	9 3.03	+22 59.9	1.525	2.507	2.3	21.8
2 11	8 51.50	+23 28.4	1.561	2.530	5.3	22.0
2 21	8 41.42	+23 43.3	1.624	2.552	9.6	22.3
3 2	8 33.81	+23 44.3	1.712	2.574	13.4	22.6
3 12	8 29.24	+23 32.8	1.821	2.595	16.5	22.9

21080 1991 RD_{18} 2 2.5 230°.60 1°.0/ 3.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 25.40	+11 53.9	1.690	2.529	14.3	18.3
1 12	9 19.90	+12 24.9	1.613	2.526	10.4	18.0
1 22	9 12.07	+13 9.5	1.560	2.522	6.0	17.7
2 1	9 2.72	+14 3.3	1.535	2.519	1.5	17.4
2 11	8 53.03	+15 0.1	1.538	2.515	4.0	17.6
2 21	8 44.22	+15 54.0	1.569	2.511	8.6	17.9
3 2	8 37.39	+16 39.9	1.625	2.507	12.8	18.1
3 12	8 33.24	+17 15.1	1.703	2.503	16.4	18.3

523534 2017 PA_7 2 2.5 189°.86 0°.8/ 1.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 23.51	+18 16.4	2.571	3.409	10.0	22.2
1 12	9 17.88	+18 43.0	2.493	3.408	7.1	22.0
1 22	9 10.68	+19 13.8	2.443	3.407	3.9	21.8
2 1	9 2.52	+19 45.2	2.422	3.406	0.9	21.5
2 11	8 54.19	+20 13.6	2.432	3.405	3.3	21.7
2 21	8 46.48	+20 36.1	2.472	3.403	6.6	21.9
3 2	8 40.10	+20 50.9	2.539	3.401	9.5	22.1
3 12	8 35.59	+20 57.3	2.630	3.399	12.1	22.3

197478 2004 BL_2 2 2.5 320°.65 0°.2/ 2.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 19.25	+16 0.1	2.842	3.679	9.1	20.2
1 12	9 14.77	+16 29.3	2.758	3.672	6.5	20.0
1 22	9 8.95	+17 4.0	2.700	3.664	3.6	19.8
2 1	9 2.29	+17 41.4	2.672	3.657	0.5	19.5
2 11	8 55.44	+18 18.0	2.675	3.650	2.8	19.7
2 21	8 49.08	+18 50.9	2.707	3.643	5.8	19.9
3 2	8 43.82	+19 17.8	2.767	3.636	8.6	20.1
3 12	8 40.13	+19 37.2	2.852	3.629	11.0	20.3

206454 2003 SK_{318} 2 2.5 211°.56 1°.0/ 3.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 27.46	+12 28.6	1.965	2.794	12.9	21.9
1 12	9 21.14	+12 48.0	1.880	2.788	9.5	21.6
1 22	9 12.67	+13 17.9	1.821	2.781	5.5	21.4
2 1	9 2.80	+13 55.0	1.790	2.773	1.4	21.1
2 11	8 52.59	+14 34.5	1.789	2.765	3.7	21.2
2 21	8 43.14	+15 11.9	1.817	2.756	7.9	21.5
3 2	8 35.45	+15 43.6	1.872	2.747	11.8	21.7
3 12	8 30.21	+16 7.3	1.949	2.736	15.1	21.9

42993 1999 TP_{270} 2 2.5 253°.96 4°.1/ 5.2 18 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 2	9 24.03	+ 4 2.1	2.183	2.984	12.9	19.1
1 12	9 18.54	+ 3 50.3	2.089	2.971	10.0	18.9
1 22	9 11.19	+ 3 53.0	2.019	2.958	7.0	18.7
2 1	9 2.60	+ 4 9.8	1.977	2.944	4.4	18.5
2 11	8 53.67	+ 4 38.5	1.964	2.930	4.7	18.5
2 21	8 45.33	+ 5 15.3	1.979	2.916	7.5	18.6
3 2	8 38.43	+ 5 56.0	2.022	2.902	10.8	18.8
3 12	8 33.62	+ 6 36.1	2.088	2.888	13.8	19.0

371177 2005 YZ_{81} 2 2.5 121°.76 1°.1/ 1.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 24.31	+17 17.3	2.017	2.862	12.0	21.0
1 12	9 18.78	+18 11.1	1.950	2.868	8.5	20.8
1 22	9 11.30	+19 12.0	1.908	2.874	4.6	20.6
2 1	9 2.61	+20 14.6	1.896	2.880	1.2	20.4
2 11	8 53.73	+21 12.7	1.913	2.886	4.1	20.6
2 21	8 45.66	+22 1.6	1.960	2.891	8.0	20.8
3 2	8 39.30	+22 38.3	2.032	2.897	11.4	21.1
3 12	8 35.24	+23 2.1	2.126	2.902	14.4	21.3

148860 2001 VK_{59} 2 2.5 308°.40 9°.4/26.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 31.23	+39 54.9	1.747	2.590	13.7	19.5
1 12	9 24.51	+41 20.9	1.692	2.585	11.3	19.3
1 22	9 14.76	+42 33.7	1.661	2.581	9.6	19.2
2 1	9 3.09	+43 22.5	1.655	2.577	9.7	19.2
2 11	8 51.14	+43 40.5	1.675	2.573	11.3	19.3
2 21	8 40.59	+43 26.6	1.719	2.569	13.8	19.4
3 2	8 32.77	+42 44.2	1.784	2.566	16.4	19.6
3 12	8 28.42	+41 40.1	1.866	2.562	18.7	19.8

260820 2005 PF_{13} 2 2.5 99°.46 1°.4/ 1.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 25.28	+17 36.8	1.816	2.664	13.0	20.6
1 12	9 19.62	+18 37.8	1.754	2.674	9.2	20.4
1 22	9 11.81	+19 46.5	1.718	2.684	5.0	20.1
2 1	9 2.69	+20 56.1	1.710	2.694	1.5	19.9
2 11	8 53.38	+21 59.8	1.732	2.704	4.5	20.1
2 21	8 45.03	+22 52.1	1.782	2.713	8.7	20.4
3 2	8 38.60	+23 30.2	1.857	2.723	12.3	20.7
3 12	8 34.69	+23 53.4	1.954	2.732	15.4	20.9

14030 1994 UP_{1} 2 2.5 33°.78 10°.1/28.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 31.72	+38 29.4	1.397	2.253	15.7	17.5
1 12	9 25.09	+39 53.1	1.358	2.262	12.7	17.4
1 22	9 15.09	+41 1.0	1.340	2.271	10.5	17.3
2 1	9 3.12	+41 41.4	1.347	2.281	10.3	17.3
2 11	8 51.16	+41 47.3	1.378	2.292	12.1	17.4
2 21	8 41.06	+41 19.0	1.432	2.303	14.8	17.6
3 2	8 34.17	+40 22.1	1.507	2.314	17.7	17.8
3 12	8 31.08	+39 4.4	1.598	2.326	20.2	18.1

97854 2000 QZ_{8} 2 2.5 138°.35 1°.1/ 3.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 27.46	+10 56.4	1.874	2.702	13.6	20.2
1 12	9 21.05	+11 35.2	1.808	2.715	9.9	20.0
1 22	9 12.55	+12 26.8	1.767	2.727	5.7	19.8
2 1	9 2.79	+13 26.6	1.755	2.738	1.6	19.5
2 11	8 52.86	+14 28.7	1.773	2.749	3.7	19.7
2 21	8 43.86	+15 27.3	1.819	2.759	7.9	20.0
3 2	8 36.72	+16 18.0	1.893	2.769	11.6	20.2
3 12	8 32.07	+16 58.3	1.989	2.777	14.8	20.4

354582 2004 VT_{21} 2 2.5 76°.12 2°.1/ 1.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 30.53	+19 28.3	1.431	2.286	15.4	21.1
1 12	9 23.55	+20 20.2	1.390	2.312	10.9	20.9
1 22	9 13.98	+21 17.2	1.372	2.339	5.9	20.7
2 1	9 2.97	+22 11.4	1.382	2.365	2.1	20.5
2 11	8 52.06	+22 55.3	1.420	2.391	5.5	20.8
2 21	8 42.67	+23 24.6	1.484	2.416	10.0	21.1
3 2	8 35.85	+23 38.1	1.573	2.442	14.0	21.4
3 12	8 32.14	+23 37.1	1.682	2.466	17.2	21.7

321785 2010 OJ_{97} 2 2.5 79°.94 3°.8/ 5.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 23.90	+ 3 49.3	1.717	2.531	15.2	20.9
1 12	9 18.62	+ 4 19.2	1.654	2.545	11.6	20.7
1 22	9 11.25	+ 5 9.6	1.613	2.559	7.7	20.5
2 1	9 2.63	+ 6 17.3	1.599	2.573	4.3	20.4
2 11	8 53.85	+ 7 36.2	1.614	2.587	4.6	20.4
2 21	8 46.01	+ 8 58.8	1.657	2.601	8.1	20.6
3 2	8 40.04	+10 18.3	1.725	2.614	11.8	20.9
3 12	8 36.54	+11 29.1	1.817	2.628	15.1	21.1

16017 Street 2 2.5 249°.19 0°.4/ 2.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 25.60	+14 21.5	1.884	2.723	13.0	18.5
1 12	9 19.89	+14 42.5	1.802	2.716	9.4	18.3
1 22	9 12.02	+15 13.0	1.745	2.708	5.3	18.0
2 1	9 2.75	+15 49.0	1.716	2.701	0.9	17.7
2 11	8 53.14	+16 25.6	1.716	2.693	3.8	17.9
2 21	8 44.33	+16 58.4	1.745	2.685	8.1	18.1
3 2	8 37.32	+17 23.9	1.800	2.677	12.1	18.3
3 12	8 32.80	+17 40.4	1.876	2.669	15.4	18.5

163520 2002 TY_{20} 2 2.5 33°.91 1°.8/ 3.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 2	9 21.85	+ 9 40.8	1.837	2.671	13.5	19.5
1 12	9 17.08	+10 7.1	1.773	2.680	9.9	19.3
1 22	9 10.38	+10 47.2	1.732	2.690	6.0	19.1
2 1	9 2.51	+11 37.4	1.719	2.701	2.2	18.9
2 11	8 54.49	+12 32.5	1.734	2.711	3.6	19.0
2 21	8 47.33	+13 27.0	1.778	2.722	7.6	19.3
3 2	8 41.90	+14 16.1	1.847	2.734	11.3	19.5
3 12	8 38.76	+14 56.5	1.939	2.746	14.4	19.7

426480 2013 RG_{16} 2 2.5 110°.88 0°.7/ 2.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 26.17	+17 38.3	2.189	3.028	11.4	21.5
1 12	9 19.87	+18 3.2	2.127	3.042	8.1	21.3
1 22	9 11.80	+18 32.9	2.092	3.057	4.4	21.1
2 1	9 2.70	+19 3.5	2.086	3.071	0.8	20.9
2 11	8 53.52	+19 30.6	2.111	3.084	3.6	21.1
2 21	8 45.21	+19 51.3	2.165	3.098	7.2	21.4
3 2	8 38.55	+20 3.9	2.245	3.111	10.5	21.6
3 12	8 34.06	+20 7.6	2.349	3.124	13.2	21.8

222724 2002 AF_{159} 2 2.5 80°.28 0°.8/ 3.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 23.74	+11 54.1	1.850	2.687	13.3	20.2
1 12	9 18.47	+12 33.7	1.783	2.694	9.6	19.9
1 22	9 11.17	+13 25.7	1.739	2.701	5.5	19.7
2 1	9 2.63	+14 25.5	1.724	2.708	1.3	19.4
2 11	8 53.89	+15 27.2	1.738	2.715	3.6	19.6
2 21	8 46.00	+16 24.8	1.780	2.722	7.9	19.9
3 2	8 39.90	+17 14.2	1.849	2.729	11.6	20.1
3 12	8 36.18	+17 52.7	1.940	2.736	14.8	20.4

196739 2003 SZ_{133} 2 2.5 193°.41 1°.4/ 1.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 24.68	+19 9.0	2.124	2.970	11.5	20.0
1 12	9 19.01	+19 45.4	2.051	2.969	8.2	19.8
1 22	9 11.44	+20 26.6	2.003	2.968	4.5	19.6
2 1	9 2.67	+21 7.8	1.984	2.968	1.4	19.3
2 11	8 53.69	+21 44.2	1.995	2.967	4.1	19.5
2 21	8 45.48	+22 11.9	2.035	2.966	7.8	19.8
3 2	8 38.91	+22 29.1	2.101	2.965	11.2	20.0
3 12	8 34.58	+22 35.2	2.190	2.964	14.1	20.2

469421 2001 XD_{255} 2 2.5 285°.02 0°.2/31.3 15

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 4.06	+24 46.9	37.731	38.574	0.8	21.5
1 12	9 3.26	+24 51.9	37.654	38.571	0.5	21.5
1 22	9 2.37	+24 56.8	37.606	38.568	0.3	21.5
2 1	9 1.44	+25 1.6	37.589	38.565	0.2	21.5
2 11	9 0.50	+25 5.9	37.602	38.562	0.3	21.5
2 21	8 59.60	+25 9.7	37.645	38.559	0.6	21.5
3 2	8 58.76	+25 12.8	37.716	38.556	0.8	21.5
3 12	8 58.01	+25 15.2	37.813	38.553	1.0	21.6

282633 2005 SG_{208} 2 2.5 13°.75 7°.4/30.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 31.17	+33 47.4	1.448	2.307	15.0	19.7
1 12	9 24.45	+34 28.3	1.395	2.310	11.5	19.4
1 22	9 14.68	+34 58.4	1.365	2.314	8.5	19.3
2 1	9 3.12	+35 8.6	1.361	2.318	7.5	19.2
2 11	8 51.53	+34 53.2	1.382	2.324	9.5	19.4
2 21	8 41.61	+34 12.2	1.428	2.330	12.8	19.6
3 2	8 34.59	+33 9.7	1.496	2.336	16.2	19.8
3 12	8 31.09	+31 51.9	1.583	2.344	19.1	20.0

53304 1999 GQ_{47} 2 2.5 264°.52 6°.4/29.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 30.08	+33 0.1	1.913	2.761	12.4	18.4
1 12	9 23.40	+34 1.1	1.838	2.748	9.6	18.1
1 22	9 14.09	+34 55.9	1.789	2.734	7.1	18.0
2 1	9 3.07	+35 36.1	1.767	2.720	6.5	17.9
2 11	8 51.67	+35 55.2	1.773	2.706	8.4	18.0
2 21	8 41.30	+35 50.7	1.806	2.692	11.4	18.1
3 2	8 33.16	+35 23.9	1.862	2.677	14.5	18.3
3 12	8 28.02	+34 38.8	1.937	2.663	17.2	18.5

88446 2001 QR_{80} 2 2.5 277°.03 0°.7/ 2.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 29.00	+15 30.9	1.787	2.626	13.6	18.6
1 12	9 22.48	+15 17.3	1.699	2.612	9.9	18.4
1 22	9 13.53	+15 9.9	1.636	2.599	5.7	18.1
2 1	9 3.00	+15 6.2	1.601	2.585	1.1	17.8
2 11	8 52.07	+15 2.8	1.595	2.572	4.0	17.9
2 21	8 42.01	+14 57.3	1.618	2.558	8.6	18.2
3 2	8 33.95	+14 47.8	1.666	2.544	12.8	18.4
3 12	8 28.63	+14 33.3	1.736	2.531	16.4	18.6

499460 2010 EC_{137} 2 2.5 304°.85 2°.3/31.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 24.62	+22 13.7	2.036	2.887	11.6	21.3
1 12	9 19.15	+22 46.2	1.954	2.875	8.3	21.0
1 22	9 11.61	+23 21.1	1.898	2.863	4.8	20.8
2 1	9 2.73	+23 53.5	1.870	2.851	2.3	20.6
2 11	8 53.54	+24 18.2	1.872	2.839	4.8	20.7
2 21	8 45.13	+24 31.9	1.901	2.827	8.5	20.9
3 2	8 38.44	+24 33.2	1.956	2.816	12.0	21.1
3 12	8 34.15	+24 22.5	2.032	2.805	15.0	21.3

405861 2006 DN_{80} 2 2.5 278.°76 0.°0/ 2.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 2	9 27.47	+15 14.1	1.551	2.399	14.8	21.5
1 12	9 21.80	+15 35.5	1.462	2.380	10.8	21.2
1 22	9 13.37	+16 7.9	1.395	2.360	6.1	20.9
2 1	9 3.00	+16 46.6	1.356	2.341	0.8	20.4
2 11	8 52.01	+17 25.4	1.344	2.321	4.6	20.7
2 21	8 41.87	+17 58.6	1.359	2.300	9.8	20.9
3 2	8 33.91	+18 22.3	1.399	2.280	14.6	21.1
3 12	8 29.06	+18 34.6	1.458	2.260	18.6	21.3

99789 2002 KE_2 2 2.5 241.°09 2.°8/ 4.0 17

1 2	9 29.34	+ 9 7.4	2.049	2.862	13.1	20.0
1 12	9 22.51	+ 8 47.4	1.951	2.846	9.9	19.8
1 22	9 13.50	+ 8 37.8	1.878	2.829	6.3	19.5
2 1	9 3.01	+ 8 37.7	1.834	2.812	3.1	19.3
2 11	8 52.07	+ 8 44.8	1.821	2.793	4.2	19.3
2 21	8 41.79	+ 8 56.2	1.837	2.774	8.0	19.5
3 2	8 33.19	+ 9 8.9	1.880	2.755	11.7	19.7
3 12	8 27.01	+ 9 20.0	1.946	2.734	15.1	19.9

405986 2006 SS_{242} 2 2.5 27.°45 1.°0/ 3.1 18

1 2	9 23.36	+12 8.3	1.275	2.133	16.8	20.6
1 12	9 18.80	+12 41.8	1.222	2.144	12.2	20.3
1 22	9 11.58	+13 31.6	1.190	2.155	6.9	20.1
2 1	9 2.74	+14 31.5	1.183	2.167	1.5	19.7
2 11	8 53.76	+15 33.4	1.202	2.180	4.5	20.0
2 21	8 46.06	+16 29.8	1.247	2.195	9.8	20.3
3 2	8 40.80	+17 15.2	1.314	2.209	14.4	20.6
3 12	8 38.62	+17 46.7	1.402	2.225	18.1	20.9

486092 2012 UY_{134} 2 2.5 63.°83 6.°7/30.6 18

1 2	9 33.69	+29 12.2	1.199	2.066	17.0	20.7
1 12	9 26.41	+30 16.9	1.162	2.085	12.5	20.5
1 22	9 15.78	+31 15.0	1.147	2.105	8.3	20.3
2 1	9 3.29	+31 54.8	1.157	2.125	6.7	20.3
2 11	8 50.97	+32 8.8	1.193	2.145	9.3	20.5
2 21	8 40.67	+31 56.0	1.253	2.166	13.2	20.7
3 2	8 33.67	+31 20.2	1.334	2.186	17.0	21.0
3 12	8 30.51	+30 27.4	1.433	2.206	20.2	21.3

481848 2008 WV_{133} 2 2.5 41.°12 18.°8/ 9.6 17

1 2	9 30.85	−14 14.7	1.058	1.813	26.3	20.5
1 12	9 24.86	−17 5.9	1.007	1.819	23.7	20.3
1 22	9 15.30	−19 17.4	0.970	1.824	21.2	20.2
2 1	9 3.28	−20 36.4	0.951	1.831	19.4	20.1
2 11	8 50.69	−20 56.6	0.950	1.837	18.8	20.1
2 21	8 39.52	−20 21.6	0.968	1.844	19.7	20.1
3 2	8 31.49	−19 3.2	1.002	1.852	21.6	20.3
3 12	8 27.57	−17 18.7	1.052	1.859	23.9	20.5

57036 2000 WV_{182} 2 2.5 203.°83 10.°1/24.3 18

1 2	9 35.59	+43 47.9	2.041	2.863	12.8	18.7
1 12	9 27.77	+45 51.2	1.988	2.857	11.1	18.6
1 22	9 16.73	+47 40.1	1.960	2.852	10.1	18.5
2 1	9 3.47	+49 3.1	1.959	2.845	10.5	18.5
2 11	8 49.62	+49 52.6	1.984	2.837	12.0	18.6
2 21	8 36.95	+50 7.0	2.033	2.829	14.1	18.7
3 2	8 26.97	+49 49.8	2.102	2.820	16.1	18.8
3 12	8 20.60	+49 7.7	2.188	2.810	18.0	19.0

96623 Leani 2 2.5 194.°10 3.°5/31.4 18

1 2	9 30.27	+24 20.0	1.802	2.652	13.0	20.2
1 12	9 23.41	+25 10.0	1.732	2.651	9.4	19.9
1 22	9 14.04	+26 1.0	1.687	2.649	5.6	19.7
2 1	9 3.09	+26 45.7	1.670	2.646	3.5	19.6
2 11	8 51.85	+27 17.7	1.682	2.643	6.1	19.7
2 21	8 41.66	+27 33.4	1.722	2.639	9.9	19.9
3 2	8 33.63	+27 32.2	1.787	2.635	13.6	20.1
3 12	8 28.49	+27 16.0	1.872	2.630	16.6	20.4

18741 1998 WB_6 2 2.5 359.°62 5.°1/ 4.9 18

1 2	9 25.68	+ 6 0.4	1.232	2.072	18.5	17.0
1 12	9 20.67	+ 5 34.3	1.165	2.070	14.2	16.7
1 22	9 12.76	+ 5 29.3	1.118	2.069	9.5	16.4
2 1	9 2.93	+ 5 45.2	1.094	2.069	5.6	16.2
2 11	8 52.72	+ 6 17.8	1.096	2.069	6.3	16.3
2 21	8 43.72	+ 7 0.7	1.122	2.070	10.6	16.5
3 2	8 37.27	+ 7 46.7	1.171	2.071	15.3	16.8
3 12	8 34.18	+ 8 28.9	1.239	2.073	19.4	17.0

386298 2008 SR_7 2 2.5 247.°49 7.°5/ 2.1 17

1 2	10 2.82	+30 42.2	0.645	1.515	26.8	21.2
1 12	9 51.98	+30 24.2	0.573	1.497	20.8	20.7
1 22	9 32.51	+29 45.2	0.515	1.478	13.4	20.2
2 1	9 5.85	+28 19.8	0.478	1.457	7.6	19.8
2 11	8 36.68	+25 52.4	0.462	1.434	12.2	19.8
2 21	8 10.94	+22 34.7	0.468	1.409	21.6	20.1
3 2	7 52.83	+18 57.3	0.492	1.383	30.5	20.5
3 12	7 43.43	+15 26.7	0.527	1.356	37.8	20.8

273325 2006 TA_{30} 2 2.5 105.°00 1.°8/ 3.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 2	9 26.08	+10 3.5	1.822	2.650	13.8	21.2
1 12	9 20.11	+10 25.7	1.759	2.664	10.2	21.0
1 22	9 12.08	+11 1.0	1.720	2.678	6.1	20.8
2 1	9 2.82	+11 45.8	1.709	2.691	2.2	20.6
2 11	8 53.43	+12 34.9	1.727	2.704	3.7	20.7
2 21	8 45.00	+13 23.0	1.774	2.717	7.8	21.0
3 2	8 38.43	+14 5.9	1.847	2.729	11.6	21.2
3 12	8 34.31	+14 40.5	1.943	2.741	14.7	21.5

495242 2013 JE_{46} 2 2.6 163.°65 4.°2/ 5.7 18

1 2	9 24.25	+ 2 34.7	1.965	2.765	14.1	21.8
1 12	9 18.78	+ 2 49.6	1.887	2.768	11.0	21.6
1 22	9 11.38	+ 3 23.3	1.833	2.771	7.6	21.4
2 1	9 2.74	+ 4 14.3	1.805	2.773	4.7	21.2
2 11	8 53.85	+ 5 18.1	1.807	2.776	4.8	21.2
2 21	8 45.71	+ 6 29.0	1.837	2.777	7.8	21.4
3 2	8 39.21	+ 7 40.7	1.894	2.779	11.2	21.6
3 12	8 34.97	+ 8 47.9	1.975	2.780	14.3	21.8

303731 2005 QD_{54} 2 2.6 259.°96 1.°5/ 3.8 17

1 2	9 21.39	+10 6.3	2.508	3.330	10.7	21.4
1 12	9 16.46	+10 24.9	2.421	3.322	7.9	21.2
1 22	9 10.00	+10 53.6	2.359	3.315	4.8	21.0
2 1	9 2.55	+11 30.1	2.326	3.308	1.8	20.8
2 11	8 54.87	+12 10.8	2.324	3.300	3.0	20.8
2 21	8 47.73	+12 52.1	2.351	3.292	6.2	21.0
3 2	8 41.84	+13 30.7	2.406	3.285	9.4	21.2
3 12	8 37.73	+14 3.8	2.485	3.277	12.1	21.4

320652 2008 CV_{132} 2 2.6 56.°63 0.°3/ 2.4 18

1 2	9 27.46	+15 48.0	1.435	2.289	15.5	21.0
1 12	9 21.41	+16 18.1	1.388	2.309	11.0	20.8
1 22	9 12.88	+16 57.8	1.363	2.329	6.0	20.6
2 1	9 2.93	+17 40.8	1.365	2.350	0.8	20.3
2 11	8 52.99	+18 20.7	1.395	2.372	4.5	20.6
2 21	8 44.40	+18 52.2	1.452	2.393	9.3	20.9
3 2	8 38.20	+19 12.8	1.532	2.414	13.5	21.2
3 12	8 34.97	+19 21.5	1.633	2.436	16.9	21.5

23046 Stevengordon 2 2.6 327.°49 0.°2/ 2.4 18

1 2	9 23.40	+15 22.8	1.877	2.723	12.7	18.5
1 12	9 18.34	+15 57.8	1.801	2.719	9.2	18.3
1 22	9 11.20	+16 42.1	1.750	2.715	5.1	18.0
2 1	9 2.73	+17 30.9	1.726	2.711	0.7	17.7
2 11	8 53.98	+18 18.7	1.732	2.708	3.9	17.9
2 21	8 46.02	+19 0.5	1.765	2.704	8.1	18.2
3 2	8 39.83	+19 32.9	1.825	2.701	12.0	18.4
3 12	8 36.04	+19 54.1	1.905	2.698	15.2	18.6

2037 Tripaxeptalis 2 2.6 124.°11 2.°3/ 1.3 18

1 2	9 30.82	+20 56.8	1.612	2.462	14.2	17.0
1 12	9 23.80	+21 37.2	1.553	2.474	10.1	16.8
1 22	9 14.23	+22 21.3	1.520	2.485	5.6	16.5
2 1	9 3.13	+23 2.1	1.514	2.496	2.3	16.3
2 11	8 51.92	+23 33.3	1.537	2.506	5.4	16.6
2 21	8 41.97	+23 51.0	1.587	2.516	9.7	16.8
3 2	8 34.39	+23 54.3	1.662	2.525	13.6	17.1
3 12	8 29.82	+23 44.4	1.758	2.534	16.9	17.3

369859 2012 JT_{64} 2 2.6 67.°85 3.°0/ 4.7 18

1 2	9 23.45	+ 6 41.0	1.899	2.719	13.7	21.0
1 12	9 18.25	+ 6 52.0	1.826	2.722	10.4	20.7
1 22	9 11.10	+ 7 18.5	1.776	2.726	6.7	20.5
2 1	9 2.71	+ 7 58.3	1.753	2.729	3.5	20.3
2 11	8 54.11	+ 8 47.1	1.759	2.733	4.1	20.4
2 21	8 46.30	+ 9 39.7	1.793	2.736	7.7	20.6
3 2	8 40.18	+10 30.9	1.853	2.740	11.3	20.8
3 12	8 36.35	+11 16.5	1.936	2.744	14.4	21.0

225418 2000 AY_{54} 2 2.6 73.°29 0.°9/ 2.9 17

1 2	9 32.15	+14 3.8	1.264	2.113	17.4	19.5
1 12	9 24.92	+14 9.8	1.219	2.137	12.6	19.3
1 22	9 14.85	+14 27.7	1.197	2.161	7.1	19.1
2 1	9 3.21	+14 52.2	1.200	2.184	1.4	18.8
2 11	8 51.69	+15 17.2	1.230	2.208	4.7	19.1
2 21	8 41.83	+15 37.9	1.287	2.231	10.0	19.4
3 2	8 34.78	+15 51.1	1.367	2.254	14.5	19.8
3 12	8 31.10	+15 55.6	1.468	2.277	18.1	20.1

498051 2007 RH_{45} 2 2.6 84.°85 1.°1/ 1.9 17

1 2	9 26.15	+19 40.3	2.174	3.017	11.4	20.8
1 12	9 19.94	+19 53.2	2.107	3.024	8.1	20.6
1 22	9 11.92	+20 9.1	2.067	3.032	4.4	20.4
2 1	9 2.83	+20 24.1	2.056	3.040	1.1	20.1
2 11	8 53.64	+20 34.7	2.074	3.047	3.8	20.4
2 21	8 45.31	+20 38.5	2.122	3.055	7.4	20.6
3 2	8 38.65	+20 34.4	2.197	3.062	10.7	20.8
3 12	8 34.19	+20 22.4	2.294	3.070	13.4	21.0

2020	α_{2000}	δ_{2000}	Δ	r	β	V
300935 2008 CH_{125}			2 2.6 293°.20		2°.0/ 3.8 17	
	h m	° ′			°	m
1 2	9 24.30	+10 58.0	2.334	3.156	11.4	20.4
1 12	9 18.65	+10 42.2	2.242	3.144	8.5	20.2
1 22	9 11.26	+10 34.5	2.176	3.132	5.2	20.0
2 1	9 2.75	+10 33.7	2.139	3.119	2.2	19.8
2 11	8 53.97	+10 37.7	2.133	3.107	3.4	19.8
2 21	8 45.80	+10 43.9	2.155	3.095	6.8	20.0
3 2	8 39.03	+10 50.0	2.205	3.084	10.1	20.2
3 12	8 34.25	+10 54.0	2.279	3.072	13.0	20.4
2915 Moskvina			2 2.6 122°.88		4°.7/30.8 18	R
1 2	9 32.77	+29 39.5	1.988	2.831	12.2	17.6
1 12	9 24.84	+30 17.4	1.934	2.846	9.0	17.4
1 22	9 14.65	+30 49.7	1.907	2.860	6.0	17.3
2 1	9 3.20	+31 10.0	1.908	2.874	4.7	17.2
2 11	8 51.76	+31 13.8	1.938	2.887	6.6	17.3
2 21	8 41.56	+31 0.1	1.997	2.900	9.6	17.5
3 2	8 33.56	+30 30.5	2.081	2.912	12.6	17.8
3 12	8 28.31	+29 48.3	2.187	2.923	15.2	18.0
307460 2002 VS_{88}			2 2.6 60°.08		2°.5/ 1.3 18	
1 2	9 29.88	+21 10.1	1.467	2.324	15.0	20.5
1 12	9 23.07	+21 47.8	1.427	2.350	10.6	20.3
1 22	9 13.75	+22 28.4	1.410	2.377	5.9	20.1
2 1	9 3.08	+23 4.6	1.421	2.403	2.5	19.9
2 11	8 52.54	+23 30.4	1.460	2.430	5.5	20.2
2 21	8 43.49	+23 42.5	1.525	2.456	9.8	20.5
3 2	8 36.96	+23 40.5	1.614	2.483	13.7	20.8
3 12	8 33.45	+23 26.1	1.724	2.510	16.8	21.1
51902 2001 QL_{39}			2 2.6 71°.43		0°.5/ 2.2 18	
1 2	9 24.41	+16 46.1	2.110	2.952	11.7	18.9
1 12	9 18.70	+17 17.9	2.054	2.971	8.3	18.7
1 22	9 11.22	+17 55.6	2.024	2.989	4.5	18.5
2 1	9 2.74	+18 34.8	2.023	3.008	0.7	18.2
2 11	8 54.22	+19 11.1	2.052	3.027	3.5	18.5
2 21	8 46.56	+19 40.8	2.110	3.045	7.2	18.8
3 2	8 40.55	+20 1.8	2.194	3.064	10.5	19.0
3 12	8 36.68	+20 13.2	2.301	3.082	13.2	19.2
500398 2012 TO_{93}			2 2.6 10°.90		4°.6/30.1 17	
1 2	9 25.18	+29 14.5	2.141	2.993	11.1	20.9
1 12	9 19.49	+30 8.4	2.078	2.994	8.2	20.7
1 22	9 11.78	+30 59.0	2.041	2.995	5.6	20.6
2 1	9 2.83	+31 40.0	2.032	2.996	4.7	20.5
2 11	8 53.71	+32 6.2	2.051	2.997	6.5	20.6
2 21	8 45.48	+32 15.3	2.098	2.999	9.4	20.8
3 2	8 39.03	+32 7.3	2.170	3.000	12.2	21.0
3 12	8 34.98	+31 44.3	2.263	3.002	14.6	21.2
165790 2001 RA_{28}			2 2.6 109°.81		2°.5/ 4.8 18	
1 2	9 21.80	+ 6 16.8	2.379	3.188	11.6	20.5
1 12	9 16.74	+ 6 41.0	2.305	3.197	8.8	20.3
1 22	9 10.14	+ 7 18.4	2.257	3.205	5.6	20.2
2 1	9 2.61	+ 8 6.7	2.238	3.214	2.9	20.0
2 11	8 54.92	+ 9 1.9	2.248	3.222	3.4	20.0
2 21	8 47.87	+ 9 59.5	2.289	3.230	6.4	20.2
3 2	8 42.15	+10 55.2	2.357	3.238	9.4	20.4
3 12	8 38.27	+11 45.6	2.449	3.246	12.1	20.6
172040 2001 WQ_{71}			2 2.6 357°.81		3°.0/31.4 18	
1 2	9 22.72	+23 3.7	1.856	2.715	12.2	19.7
1 12	9 17.93	+23 54.0	1.788	2.713	8.7	19.5
1 22	9 11.00	+24 46.8	1.746	2.711	5.1	19.3
2 1	9 2.74	+25 35.7	1.731	2.710	3.0	19.2
2 11	8 54.25	+26 14.7	1.745	2.709	5.5	19.3
2 21	8 46.65	+26 39.8	1.786	2.710	9.2	19.5
3 2	8 40.90	+26 49.6	1.851	2.710	12.6	19.8
3 12	8 37.64	+26 44.6	1.937	2.712	15.6	20.0
456361 2006 TP_{104}			2 2.6 62°.69		4°.1/31.3 16	
1 2	9 31.81	+24 34.1	1.504	2.360	14.7	20.8
1 12	9 24.34	+25 38.9	1.476	2.397	10.5	20.6
1 22	9 14.39	+26 41.8	1.472	2.434	6.2	20.5
2 1	9 3.17	+27 34.2	1.496	2.471	4.1	20.4
2 11	8 52.22	+28 9.7	1.547	2.508	6.6	20.6
2 21	8 42.87	+28 25.7	1.626	2.544	10.4	20.9
3 2	8 36.12	+28 23.5	1.729	2.579	13.8	21.2
3 12	8 32.43	+28 6.0	1.851	2.615	16.6	21.5
58806 1998 FF_{117}			2 2.6 231°.89		5°.5/ 6.7 18	
1 2	9 23.20	− 1 10.1	2.221	2.997	13.4	19.5
1 12	9 17.96	− 1 18.8	2.130	2.989	10.9	19.3
1 22	9 10.94	− 1 8.9	2.062	2.981	8.1	19.1
2 1	9 2.75	− 0 40.5	2.021	2.973	5.9	19.0
2 11	8 54.24	+ 0 4.3	2.008	2.964	5.8	18.9
2 21	8 46.32	+ 1 1.3	2.024	2.954	7.8	19.0
3 2	8 39.79	+ 2 5.0	2.066	2.945	10.7	19.2
3 12	8 35.28	+ 3 9.7	2.133	2.935	13.4	19.4

2020	α_{2000}	δ_{2000}	Δ	r	β	V
197114 2003 UC_{208}			2 2.6 24°.02		4°.5/ 5.3 18	
	h m	° ′			°	m
1 2	9 22.43	+ 5 3.8	1.539	2.366	16.0	19.8
1 12	9 17.77	+ 4 50.5	1.480	2.378	12.3	19.6
1 22	9 10.91	+ 4 56.3	1.443	2.390	8.3	19.4
2 1	9 2.73	+ 5 19.9	1.432	2.404	5.0	19.2
2 11	8 54.43	+ 5 57.0	1.446	2.418	5.3	19.3
2 21	8 47.17	+ 6 41.9	1.488	2.433	8.7	19.5
3 2	8 41.90	+ 7 28.6	1.553	2.449	12.5	19.7
3 12	8 39.24	+ 8 11.7	1.640	2.466	15.8	20.0
87788 2000 SX_{117}			2 2.6 105°.15		1°.3/ 3.5 18	
1 2	9 25.52	+10 58.5	2.106	2.931	12.4	20.6
1 12	9 19.48	+11 24.4	2.045	2.950	9.0	20.4
1 22	9 11.67	+12 0.9	2.010	2.968	5.3	20.2
2 1	9 2.83	+12 44.6	2.004	2.986	1.7	20.0
2 11	8 53.92	+13 30.7	2.027	3.004	3.3	20.1
2 21	8 45.86	+14 15.0	2.081	3.021	7.0	20.4
3 2	8 39.42	+14 54.0	2.161	3.038	10.3	20.6
3 12	8 35.14	+15 25.2	2.265	3.054	13.2	20.9
495760 2017 CL_{12}			2 2.6 257°.88		0°.6/ 2.9 17	
1 2	9 30.12	+14 19.7	1.774	2.608	13.9	21.4
1 12	9 23.53	+14 30.3	1.674	2.585	10.2	21.1
1 22	9 14.32	+14 50.6	1.599	2.561	5.8	20.8
2 1	9 3.25	+15 16.9	1.552	2.537	1.1	20.4
2 11	8 51.52	+15 44.5	1.535	2.511	4.2	20.6
2 21	8 40.50	+16 8.7	1.546	2.485	9.1	20.8
3 2	8 31.44	+16 26.3	1.583	2.458	13.6	21.0
3 12	8 25.24	+16 35.4	1.641	2.430	17.4	21.2
161589 2005 MF_{49}			2 2.6 247°.63		1°.9/ 3.8 18	
1 2	9 25.47	+ 9 57.3	1.975	2.800	13.1	20.6
1 12	9 19.83	+10 13.2	1.883	2.787	9.7	20.3
1 22	9 12.08	+10 42.0	1.816	2.773	5.9	20.1
2 1	9 2.92	+11 21.1	1.777	2.759	2.3	19.8
2 11	8 53.35	+12 6.0	1.768	2.744	3.7	19.9
2 21	8 44.44	+12 51.8	1.787	2.729	7.8	20.1
3 2	8 37.17	+13 34.3	1.833	2.714	11.7	20.3
3 12	8 32.28	+14 9.9	1.902	2.698	15.1	20.5
287095 2002 RF_{109}			2 2.6 90°.03		3°.9/ 5.3 18	
1 2	9 26.75	+ 4 2.2	1.801	2.608	14.9	21.8
1 12	9 20.50	+ 4 16.5	1.746	2.633	11.4	21.6
1 22	9 12.28	+ 4 49.2	1.715	2.658	7.6	21.4
2 1	9 2.92	+ 5 37.4	1.711	2.683	4.4	21.3
2 11	8 53.53	+ 6 36.1	1.736	2.707	4.7	21.4
2 21	8 45.16	+ 7 39.3	1.789	2.730	7.9	21.6
3 2	8 38.68	+ 8 41.1	1.869	2.753	11.3	21.9
3 12	8 34.62	+ 9 36.8	1.972	2.776	14.3	22.1
464412 2016 BW_{21}			2 2.6 80°.08		0°.1/ 2.6 18	
1 2	9 28.27	+14 56.3	1.618	2.462	14.5	21.5
1 12	9 21.83	+15 21.5	1.566	2.482	10.4	21.3
1 22	9 13.09	+15 55.9	1.538	2.502	5.7	21.1
2 1	9 3.04	+16 34.5	1.537	2.521	0.8	20.8
2 11	8 52.96	+17 11.5	1.564	2.541	4.1	21.1
2 21	8 44.10	+17 42.2	1.620	2.560	8.6	21.4
3 2	8 37.41	+18 4.0	1.701	2.579	12.6	21.7
3 12	8 33.49	+18 15.6	1.803	2.598	15.8	21.9
101054 1998 QP_{110}			2 2.6 118°.26		1°.2/ 3.4 18	
1 2	9 27.66	+11 39.5	1.957	2.783	13.1	20.9
1 12	9 21.12	+11 58.8	1.895	2.800	9.5	20.8
1 22	9 12.62	+12 28.7	1.858	2.817	5.5	20.5
2 1	9 2.98	+13 5.6	1.850	2.833	1.6	20.3
2 11	8 53.25	+13 44.9	1.872	2.848	3.5	20.5
2 21	8 44.46	+14 22.1	1.923	2.863	7.5	20.7
3 2	8 37.48	+14 54.0	2.001	2.878	11.1	21.0
3 12	8 32.87	+15 18.2	2.102	2.891	14.1	21.2
356326 2010 JG_{72}			2 2.6 286°.57		2°.7/31.8 17	
1 2	9 25.95	+19 10.0	1.441	2.302	15.0	21.5
1 12	9 20.86	+20 27.6	1.368	2.294	10.7	21.3
1 22	9 12.93	+21 55.8	1.319	2.286	6.0	21.0
2 1	9 3.06	+23 25.3	1.296	2.277	2.7	20.7
2 11	8 52.67	+24 45.9	1.300	2.269	6.2	20.9
2 21	8 43.30	+25 49.5	1.331	2.261	11.1	21.2
3 2	8 36.31	+26 32.1	1.385	2.253	15.6	21.4
3 12	8 32.56	+26 53.7	1.458	2.245	19.3	21.7
334281 2001 UQ_{133}			2 2.6 47°.18		2°.1/ 4.1 18	
1 2	9 22.70	+ 9 17.3	2.003	2.830	12.8	20.7
1 12	9 17.57	+ 9 28.4	1.941	2.845	9.5	20.5
1 22	9 10.66	+ 9 51.9	1.904	2.859	5.8	20.3
2 1	9 2.71	+10 24.9	1.894	2.874	2.5	20.2
2 11	8 54.67	+11 3.3	1.913	2.889	3.5	20.3
2 21	8 47.46	+11 42.7	1.961	2.904	7.1	20.5
3 2	8 41.85	+12 19.4	2.035	2.920	10.5	20.7
3 12	8 38.38	+12 50.2	2.132	2.936	13.4	21.0

2020	α_{2000}	δ_{2000}	Δ	r	β	V
404243 2013 EA_{11}			2 2.6 187°.74	2°.7/ 4.1 18		
	h m	° ′			°	m
1 2	9 28.41	+ 8 49.1	1.841	2.661	14.1	21.4
1 12	9 21.92	+ 8 45.1	1.762	2.660	10.6	21.1
1 22	9 13.22	+ 8 54.3	1.707	2.660	6.6	20.9
2 1	9 3.09	+ 9 14.7	1.680	2.658	3.1	20.7
2 11	8 52.67	+ 9 42.6	1.682	2.657	4.2	20.7
2 21	8 43.12	+10 13.7	1.713	2.654	8.2	21.0
3 2	8 35.44	+10 43.9	1.771	2.651	12.0	21.2
3 12	8 30.32	+11 9.8	1.850	2.648	15.4	21.4
226795 2004 RU_{187}			2 2.6 113°.67	0°.0/ 2.4 18		
1 2	9 28.07	+16 32.5	2.107	2.942	12.0	20.1
1 12	9 21.33	+16 36.7	2.042	2.954	8.6	19.9
1 22	9 12.71	+16 46.0	2.003	2.966	4.7	19.7
2 1	9 3.00	+16 57.3	1.993	2.978	0.6	19.4
2 11	8 53.23	+17 7.2	2.014	2.990	3.4	19.6
2 21	8 44.37	+17 13.1	2.064	3.001	7.3	19.9
3 2	8 37.26	+17 13.4	2.142	3.012	10.7	20.1
3 12	8 32.43	+17 7.5	2.242	3.023	13.6	20.3
201000 2002 CA_{165}			2 2.6 18°.26	3°.1/ 1.1 18		
1 2	9 27.75	+21 42.5	1.257	2.125	16.2	19.2
1 12	9 22.23	+22 23.2	1.199	2.128	11.6	18.9
1 22	9 13.65	+23 8.5	1.164	2.131	6.6	18.7
2 1	9 3.15	+23 49.8	1.154	2.135	3.1	18.5
2 11	8 52.43	+24 19.0	1.169	2.140	6.5	18.7
2 21	8 43.17	+24 31.7	1.210	2.145	11.5	19.0
3 2	8 36.69	+24 26.9	1.273	2.151	16.0	19.3
3 12	8 33.71	+24 6.4	1.354	2.157	19.7	19.5
464023 2014 WB_{125}			2 2.6 124°.56	2°.0/ 3.8 18		
1 2	9 25.76	+10 23.9	1.901	2.729	13.4	21.0
1 12	9 19.92	+10 25.6	1.827	2.732	9.9	20.8
1 22	9 12.06	+10 39.0	1.778	2.735	6.0	20.6
2 1	9 2.93	+11 1.6	1.757	2.738	2.4	20.4
2 11	8 53.59	+11 29.5	1.765	2.741	3.8	20.5
2 21	8 45.10	+11 58.6	1.801	2.744	7.7	20.7
3 2	8 38.39	+12 25.3	1.864	2.747	11.4	20.9
3 12	8 34.06	+12 46.7	1.949	2.750	14.6	21.2
242814 2006 BL_{152}			2 2.6 237°.34	1°.5/ 1.6 18		
1 2	9 28.45	+18 28.4	1.746	2.593	13.5	21.2
1 12	9 22.27	+19 11.8	1.662	2.581	9.7	20.9
1 22	9 13.57	+20 2.9	1.604	2.569	5.4	20.6
2 1	9 3.16	+20 55.4	1.573	2.557	1.5	20.3
2 11	8 52.28	+21 42.6	1.572	2.544	4.8	20.5
2 21	8 42.26	+22 19.2	1.598	2.530	9.4	20.8
3 2	8 34.29	+22 42.3	1.650	2.516	13.6	21.0
3 12	8 29.16	+22 51.5	1.723	2.502	17.1	21.2
416675 2004 XJ_{3}			2 2.6 44°.21	17°.8/ 2.6 15 C		
1 2	9 37.61	−36 48.3	1.755	2.260	24.5	21.6
1 12	9 28.38	−38 45.8	1.753	2.326	22.8	21.6
1 22	9 16.59	−39 55.6	1.762	2.392	21.2	21.7
2 1	9 3.53	−40 13.2	1.783	2.456	19.8	21.7
2 11	8 50.78	−39 39.5	1.820	2.519	18.7	21.8
2 21	8 39.78	−38 21.4	1.873	2.582	18.0	21.9
3 2	8 31.57	−36 29.7	1.944	2.643	17.8	22.0
3 12	8 26.60	−34 17.2	2.031	2.703	18.0	22.1
397806 2008 RQ_{35}			2 2.6 63°.46	3°.7/ 4.7 18		
1 2	9 25.90	+ 6 6.5	1.335	2.169	17.6	21.0
1 12	9 20.61	+ 6 23.7	1.274	2.178	13.3	20.8
1 22	9 12.65	+ 7 3.3	1.234	2.187	8.5	20.5
2 1	9 3.03	+ 8 1.8	1.219	2.197	4.3	20.3
2 11	8 53.18	+ 9 12.1	1.231	2.207	5.1	20.4
2 21	8 44.53	+10 25.7	1.269	2.216	9.6	20.7
3 2	8 38.27	+11 34.8	1.330	2.226	14.1	21.0
3 12	8 35.12	+12 33.7	1.412	2.236	18.0	21.2
309885 2009 DB_{131}			2 2.6 319°.48	4°.7/30.3 18		
1 2	9 23.83	+22 20.6	1.346	2.218	15.2	19.9
1 12	9 19.63	+24 5.1	1.273	2.203	10.9	19.6
1 22	9 12.40	+25 59.5	1.223	2.189	6.6	19.3
2 1	9 3.03	+27 51.7	1.200	2.176	4.8	19.2
2 11	8 53.01	+29 28.9	1.203	2.163	8.1	19.3
2 21	8 44.01	+30 41.8	1.231	2.151	12.8	19.6
3 2	8 37.52	+31 26.7	1.280	2.139	17.2	19.8
3 12	8 34.52	+31 44.6	1.347	2.128	20.9	20.0
278989 2008 UV_{210}			2 2.6 158°.93	0°.2/ 2.7 18		
1 2	9 24.26	+14 50.6	2.117	2.954	11.8	21.5
1 12	9 18.74	+15 11.9	2.042	2.955	8.5	21.3
1 22	9 11.37	+15 41.0	1.992	2.956	4.8	21.1
2 1	9 2.85	+16 14.3	1.971	2.956	0.7	20.8
2 11	8 54.13	+16 47.4	1.980	2.957	3.4	21.0
2 21	8 46.16	+17 16.7	2.018	2.957	7.3	21.2
3 2	8 39.77	+17 39.3	2.083	2.957	10.8	21.4
3 12	8 35.56	+17 53.7	2.170	2.958	13.7	21.6

2020	α_{2000}	δ_{2000}	Δ	r	β	V
125568 2001 XF_{18}			2 2.6 44°.44	2°.2/ 1.7 18		
	h m	° ′			°	m
1 2	9 30.39	+20 50.8	1.295	2.157	16.3	18.8
1 12	9 23.96	+21 8.5	1.239	2.165	11.6	18.6
1 22	9 14.53	+21 30.1	1.206	2.173	6.5	18.3
2 1	9 3.30	+21 48.9	1.198	2.181	2.2	18.0
2 11	8 51.96	+21 58.5	1.217	2.190	5.7	18.3
2 21	8 42.16	+21 55.8	1.261	2.199	10.8	18.6
3 2	8 35.15	+21 40.3	1.329	2.209	15.3	18.9
3 12	8 31.60	+21 13.4	1.415	2.218	19.0	19.2
169383 2001 VY_{7}			2 2.6 30°.07	0°.9/ 3.2 18		
1 2	9 23.13	+13 15.8	1.941	2.780	12.7	19.8
1 12	9 17.98	+13 26.9	1.876	2.789	9.2	19.6
1 22	9 10.95	+13 47.3	1.835	2.797	5.2	19.4
2 1	9 2.80	+14 13.7	1.823	2.807	1.3	19.1
2 11	8 54.53	+14 41.9	1.839	2.816	3.4	19.3
2 21	8 47.10	+15 8.2	1.883	2.826	7.4	19.6
3 2	8 41.37	+15 29.4	1.954	2.837	11.0	19.8
3 12	8 37.88	+15 43.7	2.047	2.847	14.0	20.0
332141 2005 WQ_{170}			2 2.6 255°.25	2°.5/ 4.2 18		
1 2	9 24.84	+ 8 54.3	1.988	2.811	13.1	20.8
1 12	9 19.31	+ 8 55.3	1.903	2.803	9.8	20.6
1 22	9 11.78	+ 9 8.8	1.842	2.795	6.2	20.3
2 1	9 2.94	+ 9 33.1	1.808	2.787	2.8	20.1
2 11	8 53.77	+10 4.4	1.804	2.779	3.9	20.2
2 21	8 45.32	+10 38.8	1.829	2.771	7.6	20.4
3 2	8 38.50	+11 12.1	1.879	2.763	11.3	20.6
3 12	8 33.98	+11 41.0	1.953	2.754	14.6	20.8
457020 2008 CP_{131}			2 2.6 178°.43	2°.6/ 1.0 18		
1 2	9 30.80	+24 4.8	2.162	3.002	11.5	21.3
1 12	9 23.41	+24 26.9	2.089	3.004	8.3	21.1
1 22	9 13.95	+24 48.5	2.043	3.005	4.8	20.9
2 1	9 3.24	+25 4.6	2.027	3.006	2.6	20.7
2 11	8 52.37	+25 11.1	2.041	3.006	4.8	20.8
2 21	8 42.43	+25 6.1	2.085	3.006	8.3	21.1
3 2	8 34.36	+24 49.5	2.156	3.005	11.5	21.3
3 12	8 28.74	+24 22.8	2.248	3.003	14.3	21.5
314677 2006 QU_{108}			2 2.6 206°.39	4°.8/ 7.7 18		
1 2	9 20.90	− 4 12.5	3.038	3.783	10.8	22.0
1 12	9 15.94	− 3 58.3	2.941	3.778	8.9	21.8
1 22	9 9.70	− 3 27.8	2.869	3.771	6.8	21.7
2 1	9 2.65	− 2 41.4	2.824	3.765	5.2	21.6
2 11	8 55.39	− 1 41.3	2.810	3.757	4.9	21.5
2 21	8 48.54	− 0 31.3	2.826	3.750	6.2	21.6
3 2	8 42.69	+ 0 44.4	2.870	3.741	8.3	21.7
3 12	8 38.29	+ 2 1.1	2.941	3.733	10.4	21.9
133815 2003 WE_{172}			2 2.6 75°.15	4°.1/ 5.8 18		
1 2	9 22.28	+ 2 44.5	2.122	2.922	13.2	19.6
1 12	9 17.29	+ 2 49.0	2.047	2.927	10.3	19.4
1 22	9 10.56	+ 3 10.4	1.995	2.932	7.2	19.3
2 1	9 2.77	+ 3 47.2	1.970	2.937	4.6	19.1
2 11	8 54.78	+ 4 36.2	1.975	2.942	4.6	19.1
2 21	8 47.48	+ 5 32.4	2.007	2.947	7.3	19.3
3 2	8 41.66	+ 6 30.7	2.067	2.952	10.4	19.5
3 12	8 37.88	+ 7 26.4	2.150	2.957	13.2	19.7
205506 2001 RE_{62}			2 2.6 84°.79	4°.4/30.3 18		
1 2	9 26.40	+29 14.9	2.243	3.092	10.8	20.1
1 12	9 20.25	+30 2.3	2.185	3.099	8.0	19.9
1 22	9 12.19	+30 45.9	2.153	3.107	5.4	19.8
2 1	9 2.99	+31 20.0	2.149	3.114	4.4	19.7
2 11	8 53.69	+31 39.9	2.175	3.122	6.1	19.8
2 21	8 45.29	+31 43.9	2.229	3.129	8.9	20.0
3 2	8 38.65	+31 32.2	2.307	3.136	11.6	20.2
3 12	8 34.32	+31 6.9	2.407	3.144	13.9	20.4
265385 2004 RE_{298}			2 2.6 118°.01	1°.4/ 3.6 18		
1 2	9 23.97	+10 37.1	1.970	2.800	12.9	21.0
1 12	9 18.63	+11 4.2	1.897	2.804	9.5	20.8
1 22	9 11.36	+11 43.7	1.849	2.807	5.6	20.5
2 1	9 2.88	+12 32.0	1.829	2.811	1.8	20.3
2 11	8 54.19	+13 24.2	1.838	2.815	3.5	20.4
2 21	8 46.28	+14 15.2	1.876	2.818	7.5	20.7
3 2	8 40.03	+15 0.6	1.940	2.822	11.1	20.9
3 12	8 36.04	+15 37.6	2.027	2.825	14.2	21.1
426694 2013 TG_{28}			2 2.6 112°.50	1°.4/ 1.6 18		
1 2	9 25.19	+19 10.1	2.111	2.956	11.6	21.3
1 12	9 19.40	+19 48.5	2.045	2.963	8.2	21.1
1 22	9 11.74	+20 31.6	2.005	2.971	4.5	20.9
2 1	9 2.94	+21 14.2	1.995	2.978	1.4	20.7
2 11	8 54.00	+21 51.6	2.014	2.985	4.0	20.9
2 21	8 45.87	+22 20.1	2.062	2.992	7.7	21.1
3 2	8 39.42	+22 37.8	2.136	2.999	11.0	21.3
3 12	8 35.20	+22 44.3	2.232	3.006	13.8	21.5

354102 2001 YN_{16} 2 2.6 12°.25 3°.7/31.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 2	9 22.63	+20 31.3	0.981	1.868	18.1	19.4
1 12	9 19.07	+21 40.0	0.933	1.871	12.9	19.1
1 22	9 12.12	+22 57.6	0.906	1.876	7.3	18.8
2 1	9 3.02	+24 12.5	0.901	1.882	3.7	18.6
2 11	8 53.68	+25 12.5	0.919	1.891	7.6	18.8
2 21	8 45.99	+25 50.3	0.960	1.900	13.0	19.2
3 2	8 41.40	+26 3.6	1.021	1.912	17.9	19.5
3 12	8 40.62	+25 54.4	1.098	1.924	21.9	19.8

18208 4095 *P–L* 2 2.6 41°.77 2°.9/ 4.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 24.65	+ 8 27.8	1.587	2.420	15.3	19.2
1 12	9 19.36	+ 8 30.0	1.526	2.431	11.4	19.0
1 22	9 11.84	+ 8 48.0	1.488	2.443	7.1	18.7
2 1	9 2.96	+ 9 19.1	1.476	2.455	3.3	18.5
2 11	8 53.95	+ 9 58.5	1.491	2.467	4.4	18.6
2 21	8 45.98	+10 40.6	1.534	2.480	8.5	18.9
3 2	8 40.04	+11 20.4	1.601	2.493	12.4	19.1
3 12	8 36.75	+11 53.9	1.690	2.506	15.8	19.4

338170 2002 RV_{84} 2 2.6 86°.58 2°.5/ 1.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 34.22	+21 2.0	1.363	2.217	16.1	20.7
1 12	9 26.37	+21 39.2	1.321	2.243	11.4	20.5
1 22	9 15.70	+22 19.5	1.302	2.268	6.3	20.2
2 1	9 3.49	+22 55.1	1.310	2.293	2.5	20.1
2 11	8 51.42	+23 19.1	1.346	2.317	5.8	20.3
2 21	8 41.06	+23 28.4	1.409	2.341	10.5	20.7
3 2	8 33.54	+23 23.1	1.496	2.364	14.6	21.0
3 12	8 29.39	+23 5.2	1.602	2.387	17.9	21.2

358101 2006 KO_{50} 2 2.6 356°.29 0°.2/ 2.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 24.05	+14 12.9	1.202	2.066	17.1	20.8
1 12	9 19.69	+14 42.2	1.137	2.063	12.4	20.5
1 22	9 12.36	+15 26.6	1.093	2.060	7.0	20.2
2 1	9 3.07	+16 20.0	1.074	2.059	1.1	19.8
2 11	8 53.39	+17 14.0	1.080	2.058	5.0	20.1
2 21	8 44.96	+18 0.9	1.110	2.058	10.7	20.4
3 2	8 39.15	+18 35.6	1.163	2.059	15.7	20.7
3 12	8 36.77	+18 55.5	1.234	2.061	19.9	20.9

37957 1998 HJ_{54} 2 2.6 205°.80 3°.8/ 5.5 18 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 23.80	+ 3 30.9	2.278	3.074	12.5	19.5
1 12	9 18.35	+ 3 32.2	2.191	3.071	9.7	19.3
1 22	9 11.17	+ 3 48.5	2.129	3.067	6.7	19.1
2 1	9 2.89	+ 4 18.9	2.095	3.062	4.2	18.9
2 11	8 54.35	+ 5 0.4	2.090	3.058	4.4	18.9
2 21	8 46.40	+ 5 49.0	2.115	3.053	7.1	19.1
3 2	8 39.85	+ 6 40.0	2.167	3.047	10.2	19.3
3 12	8 35.29	+ 7 29.0	2.242	3.041	13.0	19.4

436606 2011 KD_{26} 2 2.6 110°.19 3°.7/ 5.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 22.72	+ 3 50.6	2.293	3.092	12.3	21.0
1 12	9 17.49	+ 3 52.1	2.218	3.099	9.5	20.8
1 22	9 10.64	+ 4 8.1	2.168	3.106	6.5	20.6
2 1	9 2.81	+ 4 37.5	2.145	3.113	4.1	20.5
2 11	8 54.82	+ 5 17.1	2.152	3.120	4.2	20.5
2 21	8 47.48	+ 6 2.9	2.188	3.127	6.8	20.7
3 2	8 41.53	+ 6 50.5	2.251	3.133	9.8	20.9
3 12	8 37.49	+ 7 36.0	2.338	3.140	12.4	21.1

363145 2001 RP_{78} 2 2.6 107°.78 3°.1/ 5.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 25.62	+ 5 7.7	2.124	2.928	13.0	21.1
1 12	9 19.55	+ 5 28.5	2.063	2.950	9.9	21.0
1 22	9 11.75	+ 6 4.5	2.026	2.971	6.4	20.8
2 1	9 2.96	+ 6 53.0	2.018	2.992	3.5	20.6
2 11	8 54.09	+ 7 49.5	2.040	3.012	3.9	20.7
2 21	8 46.05	+ 8 49.0	2.091	3.031	7.0	20.9
3 2	8 39.60	+ 9 46.6	2.170	3.050	10.1	21.2
3 12	8 35.25	+10 38.6	2.273	3.069	12.9	21.4

309801 2009 BO_{48} 2 2.6 345°.68 0°.8/ 2.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 29.12	+18 28.0	1.398	2.254	15.6	20.2
1 12	9 23.04	+18 32.4	1.329	2.252	11.3	20.0
1 22	9 14.09	+18 42.9	1.282	2.249	6.2	19.7
2 1	9 3.31	+18 54.3	1.262	2.247	1.1	19.3
2 11	8 52.23	+19 1.5	1.269	2.245	4.9	19.6
2 21	8 42.41	+19 0.7	1.302	2.244	10.1	19.9
3 2	8 35.13	+18 50.5	1.359	2.242	14.8	20.1
3 12	8 31.14	+18 31.0	1.435	2.242	18.6	20.4

406023 2006 TN_{62} 2 2.6 81°.32 2°.8/ 4.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 28.15	+ 8 1.2	1.717	2.538	14.9	21.7
1 12	9 21.58	+ 8 9.5	1.666	2.565	11.0	21.5
1 22	9 12.93	+ 8 32.8	1.639	2.592	6.9	21.4
2 1	9 3.12	+ 9 7.9	1.640	2.618	3.2	21.2
2 11	8 53.33	+ 9 49.8	1.669	2.644	4.2	21.3
2 21	8 44.67	+10 33.4	1.727	2.670	8.0	21.6
3 2	8 38.03	+11 14.0	1.811	2.695	11.7	21.9
3 12	8 33.94	+11 48.3	1.917	2.719	14.8	22.1

430073 2013 SQ_{42} 2 2.6 75°.65 3°.0/31.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 2	9 25.46	+23 2.1	1.969	2.821	11.9	20.5
1 12	9 19.71	+24 4.6	1.915	2.836	8.5	20.4
1 22	9 11.95	+25 8.7	1.888	2.851	5.0	20.2
2 1	9 2.99	+26 7.8	1.889	2.866	3.1	20.1
2 11	8 53.93	+26 55.8	1.920	2.882	5.4	20.3
2 21	8 45.83	+27 29.2	1.978	2.897	8.8	20.5
3 2	8 39.57	+27 46.8	2.062	2.912	12.0	20.7
3 12	8 35.72	+27 49.5	2.167	2.927	14.6	20.9

355910 2008 XQ_{33} 2 2.6 219°.81 2°.0/ 3.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 29.06	+11 9.5	1.693	2.524	14.6	21.8
1 12	9 22.65	+11 8.3	1.612	2.518	10.9	21.5
1 22	9 13.77	+11 19.3	1.554	2.512	6.5	21.3
2 1	9 3.27	+11 39.9	1.523	2.505	2.4	21.0
2 11	8 52.38	+12 5.7	1.522	2.498	4.2	21.1
2 21	8 42.40	+12 32.5	1.548	2.490	8.7	21.3
3 2	8 34.47	+12 56.2	1.600	2.482	13.0	21.6
3 12	8 29.34	+13 13.9	1.674	2.474	16.6	21.8

37691 1995 UN_{74} 2 2.6 172°.23 2°.1/ 4.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 23.95	+ 7 48.1	2.467	3.276	11.3	20.0
1 12	9 18.31	+ 8 10.8	2.387	3.280	8.4	19.9
1 22	9 11.09	+ 8 45.4	2.332	3.282	5.3	19.7
2 1	9 2.88	+ 9 29.5	2.306	3.285	2.4	19.5
2 11	8 54.48	+10 19.1	2.312	3.286	3.2	19.5
2 21	8 46.67	+11 10.3	2.347	3.287	6.3	19.7
3 2	8 40.19	+11 59.2	2.411	3.288	9.4	19.9
3 12	8 35.55	+12 42.7	2.499	3.288	12.1	20.1

314038 2004 YB_{32} 2 2.6 24°.13 7°.3/30.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 28.42	+29 26.3	1.014	1.896	18.0	19.9
1 12	9 23.14	+30 24.0	0.977	1.908	13.3	19.6
1 22	9 14.26	+31 14.5	0.961	1.922	9.0	19.4
2 1	9 3.32	+31 45.8	0.968	1.937	7.3	19.4
2 11	8 52.49	+31 50.0	0.997	1.954	10.0	19.6
2 21	8 43.73	+31 26.0	1.049	1.972	14.2	19.9
3 2	8 38.40	+30 38.0	1.121	1.991	18.3	20.2
3 12	8 37.02	+29 32.4	1.209	2.011	21.7	20.5

15169 Wilfriedboland 2 2.6 96°.23 0°.8/ 2.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 24.47	+17 41.9	2.196	3.037	11.3	19.4
1 12	9 18.83	+18 10.7	2.128	3.045	8.0	19.2
1 22	9 11.41	+18 44.8	2.087	3.052	4.4	19.0
2 1	9 2.93	+19 19.9	2.075	3.059	0.9	18.8
2 11	8 54.32	+19 51.8	2.093	3.067	3.6	19.0
2 21	8 46.48	+20 17.0	2.140	3.074	7.2	19.2
3 2	8 40.22	+20 33.7	2.213	3.081	10.5	19.4
3 12	8 36.07	+20 40.9	2.309	3.088	13.3	19.6

19827 2000 SN_{212} 2 2.6 229°.54 2°.5/31.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 23.11	+23 40.8	2.709	3.553	9.3	19.1
1 12	9 17.76	+24 35.0	2.628	3.545	6.7	18.9
1 22	9 10.82	+25 30.7	2.575	3.537	4.0	18.8
2 1	9 2.86	+26 23.3	2.552	3.528	2.6	18.6
2 11	8 54.65	+27 8.2	2.560	3.520	4.4	18.8
2 21	8 46.99	+27 42.3	2.598	3.511	7.2	18.9
3 2	8 40.61	+28 4.0	2.662	3.501	9.9	19.1
3 12	8 36.05	+28 13.3	2.749	3.492	12.2	19.2

412795 2014 PQ_{22} 2 2.6 170°.97 0°.5/ 2.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 28.46	+16 24.4	2.072	2.906	12.2	22.6
1 12	9 21.81	+16 56.8	1.998	2.911	8.7	22.4
1 22	9 13.13	+17 36.1	1.951	2.914	4.8	22.2
2 1	9 3.19	+18 17.6	1.933	2.917	0.7	21.9
2 11	8 53.03	+18 56.5	1.945	2.919	3.7	22.1
2 21	8 43.70	+19 28.7	1.987	2.921	7.7	22.4
3 2	8 36.13	+19 51.7	2.056	2.922	11.3	22.6
3 12	8 30.92	+20 4.7	2.147	2.921	14.3	22.8

372039 2008 RZ_{40} 2 2.6 39°.55 0°.7/ 3.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 23.83	+13 1.5	1.956	2.793	12.7	20.6
1 12	9 18.58	+13 26.4	1.883	2.795	9.2	20.4
1 22	9 11.37	+14 1.5	1.835	2.797	5.2	20.2
2 1	9 2.94	+14 43.1	1.815	2.799	1.2	19.9
2 11	8 54.30	+15 26.3	1.824	2.801	3.5	20.1
2 21	8 46.45	+16 6.5	1.862	2.804	7.6	20.3
3 2	8 40.28	+16 40.1	1.926	2.806	11.3	20.6
3 12	8 36.39	+17 4.9	2.012	2.808	14.4	20.8

426026 2011 MH_{2} 2 2.6 152°.56 0°.9/ 1.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 22.40	+16 10.7	2.764	3.597	9.5	20.9
1 12	9 17.16	+17 29.5	2.690	3.603	6.7	20.7
1 22	9 10.45	+18 55.3	2.644	3.608	3.6	20.5
2 1	9 2.82	+20 23.1	2.629	3.613	1.0	20.3
2 11	8 54.97	+21 47.5	2.647	3.618	3.3	20.5
2 21	8 47.63	+23 3.8	2.696	3.622	6.4	20.7
3 2	8 41.47	+24 8.8	2.774	3.627	9.1	20.9
3 12	8 37.01	+25 1.1	2.876	3.630	11.5	21.1

350218 2012 SW_{18} 2 2.6 79.°90 3.°2/ 5.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 2	9 22.16	+ 5 26.5	2.360	3.166	11.8	21.1
1 12	9 17.07	+ 5 26.8	2.285	3.171	9.1	20.9
1 22	9 10.42	+ 5 40.2	2.234	3.177	6.0	20.7
2 1	9 2.82	+ 6 5.3	2.211	3.182	3.5	20.6
2 11	8 55.05	+ 6 39.0	2.217	3.188	3.8	20.6
2 21	8 47.92	+ 7 17.7	2.253	3.193	6.5	20.8
3 2	8 42.12	+ 7 57.7	2.316	3.199	9.5	21.0
3 12	8 38.18	+ 8 35.2	2.403	3.204	12.2	21.2

357124 2001 XM_{236} 2 2.6 101.°41 1.°6/ 1.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 31.29	+18 57.1	1.585	2.433	14.6	21.4
1 12	9 24.10	+19 37.5	1.535	2.454	10.3	21.2
1 22	9 14.45	+20 23.4	1.509	2.474	5.6	21.0
2 1	9 3.38	+21 7.9	1.511	2.494	1.7	20.8
2 11	8 52.30	+21 44.6	1.541	2.514	4.9	21.1
2 21	8 42.55	+22 9.4	1.600	2.532	9.4	21.4
3 2	8 35.18	+22 20.9	1.683	2.551	13.3	21.6
3 12	8 30.78	+22 19.8	1.788	2.569	16.5	21.9

425640 2010 VR_{170} 2 2.6 323.°79 9.°3/ 6.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 23.27	− 2 29.7	1.462	2.260	18.2	20.4
1 12	9 18.92	− 3 38.4	1.372	2.239	15.2	20.2
1 22	9 11.95	− 4 24.4	1.302	2.218	12.1	19.9
2 1	9 3.08	− 4 43.1	1.254	2.198	9.7	19.7
2 11	8 53.55	− 4 33.3	1.231	2.179	9.6	19.7
2 21	8 44.74	− 3 58.2	1.232	2.161	11.9	19.7
3 2	8 37.97	− 3 4.5	1.255	2.143	15.4	19.9
3 12	8 34.19	− 2 1.3	1.297	2.127	19.0	20.1

185891 2000 QP_{224} 2 2.6 132.°10 4.°5/ 6.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 24.55	− 0 17.2	2.479	3.251	12.3	20.9
1 12	9 18.65	− 0 10.3	2.408	3.267	9.8	20.7
1 22	9 11.24	+ 0 13.1	2.361	3.283	7.1	20.6
2 1	9 2.94	+ 0 51.9	2.343	3.299	4.9	20.5
2 11	8 54.52	+ 1 42.9	2.354	3.313	4.8	20.5
2 21	8 46.75	+ 2 42.0	2.395	3.327	6.7	20.6
3 2	8 40.33	+ 3 44.3	2.465	3.340	9.3	20.8
3 12	8 35.72	+ 4 45.3	2.559	3.353	11.7	21.0

505300 2012 WJ_{28} 2 2.6 195.°51 4.°8/ 6.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 22.21	− 2 14.7	3.025	3.780	10.7	21.9
1 12	9 16.87	− 2 34.0	2.935	3.778	8.7	21.7
1 22	9 10.24	− 2 39.6	2.869	3.775	6.7	21.6
2 1	9 2.81	− 2 31.3	2.831	3.771	5.1	21.5
2 11	8 55.18	− 2 10.3	2.822	3.768	5.0	21.5
2 21	8 47.99	− 1 39.2	2.843	3.764	6.3	21.5
3 2	8 41.82	− 1 1.0	2.893	3.759	8.4	21.7
3 12	8 37.13	− 0 19.6	2.967	3.754	10.4	21.8

229041 2004 EJ_{94} 2 2.6 4.°74 3.°1/ 1.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 27.50	+20 18.5	1.172	2.043	17.0	19.7
1 12	9 22.34	+21 15.6	1.112	2.042	12.2	19.4
1 22	9 13.91	+22 21.1	1.074	2.042	6.8	19.1
2 1	9 3.35	+23 25.0	1.061	2.043	3.1	18.9
2 11	8 52.42	+24 17.0	1.073	2.044	6.8	19.1
2 21	8 42.94	+24 50.6	1.109	2.045	12.1	19.4
3 2	8 36.38	+25 3.5	1.167	2.047	16.9	19.7
3 12	8 33.53	+24 57.0	1.242	2.050	20.9	20.0

363775 2005 ER_{205} 2 2.6 306.°99 1.°6/ 1.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 26.63	+18 44.4	1.419	2.279	15.2	21.0
1 12	9 21.48	+19 14.6	1.336	2.261	11.0	20.7
1 22	9 13.41	+19 53.3	1.277	2.244	6.1	20.4
2 1	9 3.30	+20 34.0	1.243	2.227	1.7	20.0
2 11	8 52.60	+21 9.3	1.236	2.210	5.4	20.2
2 21	8 42.88	+21 33.6	1.254	2.194	10.7	20.5
3 2	8 35.57	+21 43.8	1.296	2.178	15.5	20.7
3 12	8 31.58	+21 39.5	1.357	2.162	19.6	20.9

455449 2003 SD_{240} 2 2.6 106.°42 0.°1/ 2.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 29.24	+14 51.0	1.762	2.600	13.8	21.5
1 12	9 22.46	+15 16.0	1.705	2.618	9.9	21.3
1 22	9 13.50	+15 49.7	1.673	2.636	5.5	21.1
2 1	9 3.27	+16 27.3	1.669	2.654	0.8	20.8
2 11	8 52.99	+17 3.5	1.695	2.671	3.9	21.0
2 21	8 43.81	+17 33.9	1.750	2.688	8.2	21.3
3 2	8 36.69	+17 55.9	1.830	2.704	12.0	21.6
3 12	8 32.20	+18 8.4	1.932	2.720	15.2	21.8

282528 2004 RK_{194} 2 2.6 148.°87 0.°7/ 2.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 30.47	+17 13.1	1.811	2.651	13.4	20.7
1 12	9 23.42	+17 38.9	1.745	2.660	9.6	20.5
1 22	9 14.09	+18 11.2	1.704	2.668	5.3	20.2
2 1	9 3.36	+18 44.9	1.692	2.676	0.9	19.9
2 11	8 52.48	+19 14.8	1.709	2.684	4.1	20.2
2 21	8 42.64	+19 36.9	1.755	2.690	8.5	20.5
3 2	8 34.86	+19 49.4	1.827	2.696	12.3	20.7
3 12	8 29.78	+19 51.7	1.921	2.701	15.5	20.9

79804 1998 VY_{17} 2 2.6 84.°65 0.°2/ 2.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 2	9 29.75	+15 45.4	1.746	2.585	13.8	19.6
1 12	9 22.73	+16 12.6	1.699	2.614	9.9	19.4
1 22	9 13.58	+16 47.3	1.677	2.641	5.4	19.2
2 1	9 3.27	+17 24.4	1.683	2.668	0.7	18.9
2 11	8 53.03	+17 58.6	1.719	2.695	3.9	19.2
2 21	8 43.99	+18 25.9	1.784	2.721	8.2	19.5
3 2	8 37.05	+18 44.2	1.874	2.747	11.9	19.8
3 12	8 32.75	+18 52.7	1.986	2.772	14.9	20.0

351652 2005 YA_{131} 2 2.6 354.°82 0.°8/ 2.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 27.94	+14 48.6	1.259	2.117	16.9	21.0
1 12	9 22.40	+14 46.3	1.192	2.114	12.4	20.7
1 22	9 13.85	+14 55.3	1.147	2.113	7.0	20.4
2 1	9 3.35	+15 11.3	1.127	2.111	1.4	20.1
2 11	8 52.51	+15 28.8	1.132	2.111	4.8	20.3
2 21	8 42.96	+15 42.8	1.163	2.110	10.4	20.6
3 2	8 36.08	+15 49.9	1.217	2.111	15.4	20.9
3 12	8 32.65	+15 48.4	1.290	2.112	19.5	21.2

233794 2008 UE_{59} 2 2.6 88.°78 0.°4/ 2.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 24.33	+15 59.1	2.106	2.946	11.8	20.9
1 12	9 18.78	+16 36.6	2.043	2.959	8.4	20.7
1 22	9 11.42	+17 21.3	2.006	2.971	4.6	20.5
2 1	9 2.98	+18 8.6	1.998	2.983	0.7	20.2
2 11	8 54.43	+18 53.4	2.020	2.995	3.5	20.4
2 21	8 46.68	+19 31.8	2.071	3.007	7.3	20.7
3 2	8 40.56	+20 1.1	2.148	3.019	10.7	20.9
3 12	8 36.60	+20 20.1	2.248	3.031	13.5	21.1

360337 2001 UR_{1} 2 2.6 137.°36 8.°9/24.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 37.13	+48 33.8	2.726	3.518	10.8	21.0
1 12	9 28.21	+50 10.5	2.697	3.536	9.5	20.9
1 22	9 16.75	+51 30.5	2.695	3.554	8.9	20.9
2 1	9 3.74	+52 26.3	2.719	3.571	9.1	20.9
2 11	8 50.55	+52 54.0	2.770	3.587	10.1	21.0
2 21	8 38.54	+52 53.8	2.845	3.602	11.4	21.2
3 2	8 28.85	+52 29.1	2.942	3.616	12.8	21.3
3 12	8 22.13	+51 45.4	3.055	3.629	14.0	21.4

238573 2004 XL_{98} 2 2.6 128.°71 2.°8/31.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 29.68	+21 48.9	1.906	2.752	12.6	21.0
1 12	9 22.80	+22 56.4	1.851	2.769	8.9	20.9
1 22	9 13.71	+24 6.8	1.821	2.785	5.1	20.7
2 1	9 3.31	+25 12.6	1.821	2.800	2.8	20.5
2 11	8 52.79	+26 7.3	1.851	2.814	5.3	20.7
2 21	8 43.30	+26 46.7	1.909	2.828	9.0	21.0
3 2	8 35.83	+27 9.5	1.994	2.841	12.4	21.2
3 12	8 30.97	+27 16.8	2.099	2.854	15.2	21.4

491344 2011 YY_{29} 2 2.6 103.°49 0.°4/ 2.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 26.76	+14 27.3	1.710	2.552	13.9	21.5
1 12	9 20.84	+15 24.8	1.651	2.567	10.0	21.3
1 22	9 12.69	+16 33.3	1.617	2.581	5.5	21.0
2 1	9 3.18	+17 46.3	1.611	2.595	0.8	20.7
2 11	8 53.51	+18 56.3	1.634	2.609	4.1	21.0
2 21	8 44.87	+19 57.2	1.685	2.623	8.6	21.3
3 2	8 38.25	+20 45.2	1.762	2.636	12.5	21.6
3 12	8 34.26	+21 18.8	1.861	2.649	15.7	21.8

396645 2002 AD_{21} 2 2.6 293.°73 7.°1/ 3.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 41.46	+10 13.4	1.011	1.852	21.5	20.1
1 12	9 32.94	+ 7 58.5	0.937	1.844	16.7	19.8
1 22	9 20.11	+ 5 49.1	0.885	1.836	11.3	19.5
2 1	9 4.28	+ 3 51.6	0.856	1.828	7.3	19.2
2 11	8 47.72	+ 2 12.9	0.854	1.821	9.1	19.3
2 21	8 32.87	+ 0 56.9	0.876	1.813	14.4	19.5
3 2	8 21.76	+ 0 2.8	0.920	1.806	19.8	19.8
3 12	8 15.39	− 0 34.6	0.980	1.799	24.5	20.1

236923 2007 TJ_{155} 2 2.6 130.°04 4.°0/30.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 27.70	+29 8.3	2.359	3.203	10.5	20.5
1 12	9 21.13	+29 43.6	2.296	3.208	7.7	20.3
1 22	9 12.70	+30 15.0	2.259	3.213	5.1	20.1
2 1	9 3.17	+30 37.3	2.252	3.218	4.1	20.1
2 11	8 53.55	+30 46.6	2.274	3.223	5.7	20.2
2 21	8 44.81	+30 41.3	2.325	3.228	8.4	20.4
3 2	8 37.78	+30 21.9	2.402	3.232	11.1	20.5
3 12	8 33.00	+29 50.4	2.500	3.236	13.5	20.7

462691 2009 VE_{26} 2 2.6 131.°93 0.°0/ 2.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 25.50	+14 45.3	2.105	2.941	12.0	22.1
1 12	9 19.63	+15 18.1	2.037	2.950	8.6	21.9
1 22	9 11.91	+15 59.0	1.995	2.958	4.8	21.7
2 1	9 3.07	+16 43.9	1.981	2.966	0.7	21.4
2 11	8 54.06	+17 27.8	1.998	2.974	3.4	21.6
2 21	8 45.86	+18 6.5	2.044	2.981	7.3	21.9
3 2	8 39.29	+18 37.3	2.117	2.989	10.8	22.1
3 12	8 34.92	+18 58.5	2.212	2.995	13.6	22.3

415779 2000 WA_3 2 2.6 87°.06 12°.4/13.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 2	9 30.35	−22 48.4	2.304	2.915	17.1	20.7
1 12	9 22.97	−24 21.1	2.256	2.947	15.6	20.7
1 22	9 13.71	−25 24.8	2.225	2.979	14.1	20.6
2 1	9 3.33	−25 55.3	2.217	3.010	13.0	20.6
2 11	8 52.83	−25 51.9	2.230	3.040	12.4	20.6
2 21	8 43.19	−25 17.8	2.267	3.070	12.6	20.7
3 2	8 35.27	−24 18.9	2.327	3.099	13.3	20.8
3 12	8 29.62	−23 3.7	2.407	3.128	14.3	20.9

84203 2002 RD_{133} 2 2.6 107°.99 16°.2/27.6 18 R

1 2	9 52.37	+50 5.8	1.179	1.999	20.4	19.0
1 12	9 41.27	+51 40.2	1.149	2.010	18.0	18.9
1 22	9 24.59	+52 40.7	1.137	2.020	16.5	18.8
2 1	9 4.84	+52 49.7	1.146	2.030	16.4	18.8
2 11	8 45.71	+52 1.0	1.176	2.040	17.7	18.9
2 21	8 30.41	+50 21.8	1.226	2.050	19.9	19.1
3 2	8 20.64	+48 6.7	1.294	2.059	22.3	19.3
3 12	8 16.60	+45 31.6	1.377	2.068	24.4	19.5

136928 1998 MO_{15} 2 2.6 27°.70 4°.0/31.5 18

1 2	9 27.27	+21 30.1	1.110	1.986	17.4	19.1
1 12	9 22.25	+22 43.6	1.059	1.990	12.4	18.9
1 22	9 13.89	+24 4.1	1.028	1.996	7.1	18.6
2 1	9 3.38	+25 20.0	1.022	2.002	4.0	18.4
2 11	8 52.61	+26 19.8	1.041	2.009	7.6	18.6
2 21	8 43.43	+26 56.8	1.083	2.016	12.7	18.9
3 2	8 37.29	+27 9.6	1.147	2.024	17.4	19.2
3 12	8 34.95	+27 0.7	1.227	2.032	21.3	19.5

24600 1971 UQ 2 2.6 107°.14 2°.4/ 1.3 18

1 2	9 31.26	+20 9.9	1.522	2.374	14.8	19.4
1 12	9 24.27	+21 2.2	1.470	2.391	10.5	19.2
1 22	9 14.64	+21 59.3	1.443	2.409	5.8	19.0
2 1	9 3.48	+22 53.5	1.443	2.425	2.4	18.8
2 11	8 52.25	+23 37.4	1.472	2.441	5.5	19.0
2 21	8 42.37	+24 6.4	1.527	2.457	10.0	19.3
3 2	8 34.96	+24 19.4	1.608	2.472	14.0	19.6
3 12	8 30.66	+24 17.5	1.708	2.487	17.2	19.8

409804 2006 HC_{50} 2 2.6 290°.93 5°.4/30.5 16

1 2	9 28.97	+26 30.4	1.463	2.326	14.7	21.4
1 12	9 23.34	+27 38.0	1.382	2.305	10.9	21.1
1 22	9 14.56	+28 47.5	1.324	2.284	7.0	20.8
2 1	9 3.53	+29 48.7	1.292	2.263	5.4	20.7
2 11	8 51.79	+30 31.9	1.286	2.243	8.2	20.8
2 21	8 41.08	+30 51.4	1.306	2.222	12.6	21.0
3 2	8 32.95	+30 46.5	1.349	2.201	16.9	21.2
3 12	8 28.38	+30 20.1	1.409	2.180	20.6	21.4

320421 2007 VH_{58} 2 2.6 253°.42 2°.8/31.9 18

1 2	9 28.78	+22 11.1	1.690	2.543	13.5	20.8
1 12	9 22.63	+22 53.3	1.612	2.534	9.8	20.6
1 22	9 13.88	+23 39.1	1.559	2.524	5.6	20.3
2 1	9 3.41	+24 21.7	1.534	2.515	2.8	20.1
2 11	8 52.54	+24 54.3	1.537	2.505	5.7	20.3
2 21	8 42.64	+25 12.5	1.568	2.495	10.0	20.5
3 2	8 34.93	+25 15.1	1.623	2.484	14.0	20.7
3 12	8 30.17	+25 3.0	1.698	2.474	17.4	20.9

475 Ocllo 2 2.6 115°.41 7°.9/27.5 18 A

1 2	9 36.49	+41 45.6	2.354	3.171	11.5	17.0
1 12	9 27.55	+43 3.0	2.323	3.198	9.4	16.9
1 22	9 16.28	+44 5.9	2.318	3.223	8.1	16.8
2 1	9 3.71	+44 46.8	2.342	3.248	8.0	16.9
2 11	8 51.21	+45 1.9	2.393	3.272	9.2	17.0
2 21	8 40.05	+44 51.3	2.471	3.294	11.0	17.1
3 2	8 31.23	+44 18.7	2.572	3.316	12.9	17.3
3 12	8 25.29	+43 29.1	2.692	3.337	14.5	17.5

211559 2003 SN_{91} 2 2.6 336°.95 3°.5/31.9 18

1 2	9 29.31	+23 39.3	1.452	2.313	14.9	19.6
1 12	9 23.23	+24 13.6	1.385	2.310	10.8	19.3
1 22	9 14.26	+24 49.6	1.342	2.307	6.3	19.0
2 1	9 3.46	+25 19.4	1.325	2.304	3.5	18.9
2 11	8 52.36	+25 36.4	1.335	2.302	6.4	19.0
2 21	8 42.53	+25 36.9	1.371	2.300	10.9	19.3
3 2	8 35.25	+25 20.9	1.430	2.298	15.2	19.5
3 12	8 31.28	+24 50.6	1.508	2.296	18.7	19.8

382866 2004 FM_{155} 2 2.6 20°.55 4°.9/30.5 18

1 2	9 26.98	+29 42.3	1.929	2.783	12.1	20.5
1 12	9 20.98	+30 24.4	1.870	2.787	8.9	20.3
1 22	9 12.77	+31 1.9	1.836	2.791	6.0	20.1
2 1	9 3.23	+31 28.2	1.830	2.796	5.0	20.1
2 11	8 53.59	+31 38.5	1.852	2.801	6.8	20.2
2 21	8 45.01	+31 31.0	1.901	2.806	9.9	20.4
3 2	8 38.46	+31 6.5	1.974	2.812	12.9	20.6
3 12	8 34.53	+30 27.9	2.068	2.818	15.5	20.8

60680 2000 GW_{27} 2 2.6 150°.66 1°.8/ 1.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 2	9 27.89	+20 33.1	2.208	3.049	11.3	19.9
1 12	9 21.32	+21 13.6	2.142	3.058	8.0	19.7
1 22	9 12.85	+21 57.2	2.102	3.066	4.5	19.5
2 1	9 3.25	+22 38.9	2.092	3.074	1.8	19.4
2 11	8 53.50	+23 13.7	2.113	3.082	4.2	19.5
2 21	8 44.58	+23 38.6	2.163	3.088	7.7	19.8
3 2	8 37.35	+23 51.9	2.240	3.094	10.9	20.0
3 12	8 32.37	+23 54.0	2.339	3.100	13.6	20.2

11328 Mariotozzi 2 2.6 161°.02 1°.7/ 1.5 18

1 2	9 26.83	+20 22.4	2.086	2.931	11.7	18.1
1 12	9 20.69	+20 53.0	2.016	2.933	8.3	17.9
1 22	9 12.56	+21 26.9	1.971	2.936	4.6	17.7
2 1	9 3.21	+21 59.4	1.955	2.938	1.7	17.5
2 11	8 53.68	+22 25.7	1.970	2.940	4.2	17.7
2 21	8 45.00	+22 42.8	2.012	2.942	8.0	17.9
3 2	8 38.05	+22 49.1	2.082	2.943	11.4	18.1
3 12	8 33.43	+22 44.8	2.173	2.945	14.2	18.3

213757 2003 AA_{50} 2 2.6 357°.48 4°.2/29.9 18

1 2	9 22.78	+25 6.3	2.028	2.885	11.4	19.4
1 12	9 18.03	+26 41.0	1.962	2.884	8.3	19.2
1 22	9 11.20	+28 17.8	1.923	2.883	5.3	19.1
2 1	9 3.03	+29 48.6	1.913	2.883	4.3	19.0
2 11	8 54.55	+31 5.9	1.932	2.882	6.5	19.1
2 21	8 46.83	+32 4.6	1.979	2.882	9.6	19.3
3 2	8 40.82	+32 42.8	2.050	2.883	12.7	19.5
3 12	8 37.20	+33 1.5	2.141	2.883	15.3	19.7

41627 2000 SK_{171} 2 2.6 147°.75 2°.7/31.8 18

1 2	9 27.14	+22 58.8	2.028	2.877	11.8	19.3
1 12	9 20.97	+23 41.1	1.962	2.881	8.4	19.1
1 22	9 12.74	+24 25.0	1.921	2.884	4.9	18.9
2 1	9 3.25	+25 4.8	1.909	2.888	2.7	18.8
2 11	8 53.56	+25 35.1	1.926	2.891	5.0	19.0
2 21	8 44.78	+25 52.8	1.972	2.894	8.6	19.2
3 2	8 37.82	+25 57.0	2.043	2.897	11.9	19.4
3 12	8 33.30	+25 48.4	2.136	2.899	14.7	19.6

132300 2002 GT_6 2 2.6 172°.59 2°.5/ 1.1 18

1 2	9 31.74	+23 16.1	2.186	3.023	11.5	20.5
1 12	9 24.13	+23 46.6	2.114	3.028	8.2	20.3
1 22	9 14.45	+24 17.4	2.070	3.032	4.8	20.1
2 1	9 3.51	+24 43.4	2.055	3.034	2.5	19.9
2 11	8 52.40	+25 0.1	2.071	3.036	4.7	20.1
2 21	8 42.22	+25 5.2	2.118	3.037	8.2	20.3
3 2	8 33.88	+24 58.1	2.191	3.038	11.4	20.5
3 12	8 27.99	+24 40.3	2.286	3.037	14.2	20.7

128125 2003 QK_{39} 2 2.6 102°.59 0°.2/ 2.5 18

1 2	9 25.28	+15 49.4	2.073	2.912	12.0	19.7
1 12	9 19.52	+16 14.2	2.005	2.920	8.6	19.5
1 22	9 11.90	+16 46.0	1.964	2.928	4.7	19.3
2 1	9 3.15	+17 20.8	1.950	2.935	0.7	19.0
2 11	8 54.25	+17 54.1	1.967	2.943	3.5	19.2
2 21	8 46.17	+18 22.2	2.013	2.950	7.4	19.5
3 2	8 39.75	+18 42.6	2.085	2.958	10.8	19.7
3 12	8 35.56	+18 54.1	2.180	2.965	13.7	19.9

403555 2010 JQ_{168} 2 2.6 223°.24 2°.2/ 4.3 17

1 2	9 26.92	+ 7 53.0	2.121	2.933	12.8	22.7
1 12	9 20.85	+ 8 18.9	2.026	2.921	9.6	22.5
1 22	9 12.76	+ 8 59.2	1.956	2.908	6.0	22.2
2 1	9 3.29	+ 9 51.4	1.915	2.894	2.6	22.0
2 11	8 53.40	+10 50.8	1.904	2.879	3.7	22.0
2 21	8 44.10	+11 52.3	1.923	2.863	7.5	22.2
3 2	8 36.34	+12 50.7	1.970	2.847	11.2	22.4
3 12	8 30.82	+13 42.1	2.040	2.829	14.4	22.6

297794 2001 YC_{58} 2 2.6 320°.81 2°.2/ 3.5 18

1 2	9 26.75	+12 39.2	1.245	2.100	17.3	19.8
1 12	9 21.82	+12 19.6	1.164	2.083	12.9	19.5
1 22	9 13.75	+12 12.8	1.103	2.066	7.7	19.1
2 1	9 3.47	+12 16.6	1.067	2.050	2.6	18.8
2 11	8 52.54	+12 26.8	1.056	2.034	5.1	18.9
2 21	8 42.67	+12 38.7	1.070	2.020	10.8	19.2
3 2	8 35.39	+12 48.0	1.107	2.006	16.1	19.4
3 12	8 31.67	+12 51.4	1.162	1.993	20.6	19.6

110411 2001 TQ_{15} 2 2.6 82°.20 8°.5/28.4 18

1 2	9 33.24	+38 12.0	1.750	2.593	13.7	19.1
1 12	9 25.82	+39 24.0	1.706	2.603	10.9	18.9
1 22	9 15.57	+40 22.6	1.686	2.614	8.9	18.8
2 1	9 3.68	+40 58.5	1.692	2.625	8.7	18.8
2 11	8 51.77	+41 6.1	1.725	2.635	10.2	18.9
2 21	8 41.38	+40 45.1	1.783	2.646	12.7	19.1
3 2	8 33.69	+39 59.5	1.862	2.657	15.3	19.3
3 12	8 29.30	+38 55.4	1.960	2.667	17.6	19.5

382299 2012 VJ_{65} 2 2.6 210°.49 0°.9/ 1.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 2	9 23.81	+18 29.2	2.504	3.343	10.2	21.3
1 12	9 18.32	+18 58.2	2.425	3.341	7.2	21.1
1 22	9 11.21	+19 31.6	2.373	3.338	4.0	20.9
2 1	9 3.08	+20 5.5	2.350	3.334	1.0	20.6
2 11	8 54.76	+20 36.2	2.358	3.331	3.4	20.8
2 21	8 47.06	+21 0.6	2.396	3.327	6.7	21.0
3 2	8 40.71	+21 16.7	2.460	3.324	9.8	21.2
3 12	8 36.25	+21 23.9	2.549	3.320	12.4	21.4

324047 2005 VZ 2 2.6 151°.22 17°.1/22.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 46.10	+51 3.7	1.233	2.054	19.6	20.2
1 12	9 37.48	+53 38.6	1.205	2.059	17.8	20.1
1 22	9 23.08	+55 41.4	1.198	2.063	17.1	20.1
2 1	9 4.82	+56 53.1	1.210	2.067	17.7	20.1
2 11	8 46.22	+57 4.4	1.242	2.071	19.2	20.2
2 21	8 30.82	+56 19.1	1.292	2.074	21.3	20.4
3 2	8 20.90	+54 49.8	1.356	2.077	23.4	20.6
3 12	8 17.01	+52 51.3	1.433	2.079	25.3	20.7

120022 2003 AA_{41} 2 2.6 357°.40 4°.8/ 4.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 26.35	+ 7 42.9	1.148	1.996	18.9	18.8
1 12	9 21.46	+ 7 5.6	1.082	1.993	14.5	18.5
1 22	9 13.47	+ 6 47.7	1.036	1.991	9.5	18.2
2 1	9 3.44	+ 6 48.9	1.013	1.989	5.3	18.0
2 11	8 52.99	+ 7 6.0	1.014	1.989	6.2	18.0
2 21	8 43.84	+ 7 33.0	1.040	1.990	11.0	18.3
3 2	8 37.40	+ 8 3.6	1.087	1.991	15.9	18.5
3 12	8 34.51	+ 8 31.6	1.153	1.993	20.1	18.8

77038 2001 CD_{36} 2 2.6 16°.62 5°.3/30.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 29.28	+27 10.0	1.418	2.282	15.0	19.0
1 12	9 23.29	+28 5.7	1.360	2.284	11.0	18.7
1 22	9 14.34	+28 59.5	1.325	2.285	7.0	18.5
2 1	9 3.54	+29 41.9	1.316	2.288	5.3	18.4
2 11	8 52.52	+30 5.3	1.333	2.290	7.9	18.6
2 21	8 42.89	+30 6.5	1.376	2.293	11.9	18.8
3 2	8 35.94	+29 46.5	1.441	2.297	15.8	19.1
3 12	8 32.38	+29 9.0	1.525	2.301	19.1	19.3

198602 2005 AG_{11} 2 2.6 115°.71 1°.1/ 1.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 29.06	+16 46.3	1.838	2.678	13.2	19.9
1 12	9 22.36	+17 42.0	1.783	2.698	9.4	19.7
1 22	9 13.52	+18 45.1	1.753	2.718	5.1	19.5
2 1	9 3.42	+19 49.3	1.752	2.736	1.1	19.3
2 11	8 53.22	+20 47.9	1.781	2.754	4.2	19.5
2 21	8 44.07	+21 36.0	1.839	2.772	8.4	19.8
3 2	8 36.90	+22 11.0	1.924	2.788	12.0	20.1
3 12	8 32.32	+22 32.5	2.030	2.804	15.0	20.3

337865 2001 WT_{10} 2 2.6 133°.62 7°.5/ 9.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 21.96	−10 31.3	2.660	3.371	13.0	20.8
1 12	9 16.88	−11 1.0	2.581	3.377	11.2	20.7
1 22	9 10.37	−11 10.8	2.523	3.383	9.4	20.6
2 1	9 2.97	−10 59.2	2.490	3.389	8.0	20.5
2 11	8 55.39	−10 27.3	2.485	3.395	7.5	20.5
2 21	8 48.35	− 9 38.1	2.506	3.401	8.3	20.5
3 2	8 42.49	− 8 36.3	2.554	3.406	9.8	20.6
3 12	8 38.31	− 7 27.5	2.626	3.411	11.7	20.8

454281 2014 HP_{125} 2 2.6 198°.25 3°.3/31.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 31.62	+23 29.0	1.851	2.696	12.9	22.3
1 12	9 24.51	+24 21.6	1.776	2.693	9.3	22.1
1 22	9 14.89	+25 16.3	1.727	2.689	5.5	21.9
2 1	9 3.64	+26 5.7	1.707	2.684	3.3	21.7
2 11	8 52.04	+26 43.4	1.716	2.679	5.8	21.9
2 21	8 41.42	+27 5.2	1.754	2.672	9.7	22.1
3 2	8 32.91	+27 10.2	1.817	2.665	13.4	22.3
3 12	8 27.27	+27 0.2	1.901	2.657	16.5	22.5

165732 2001 QU_{126} 2 2.6 197°.47 4°.0/ 6.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 21.55	+ 0 9.6	2.637	3.414	11.5	20.4
1 12	9 16.62	+ 0 29.6	2.548	3.411	9.2	20.2
1 22	9 10.25	+ 1 5.9	2.483	3.409	6.6	20.0
2 1	9 2.97	+ 1 57.1	2.447	3.406	4.4	19.9
2 11	8 55.46	+ 3 0.2	2.440	3.403	4.3	19.9
2 21	8 48.44	+ 4 10.9	2.464	3.399	6.3	20.0
3 2	8 42.58	+ 5 24.2	2.516	3.395	9.0	20.2
3 12	8 38.38	+ 6 35.4	2.593	3.391	11.4	20.3

312083 2007 TO_{75} 2 2.6 149°.31 1°.6/ 1.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 29.29	+19 6.4	1.962	2.803	12.5	22.0
1 12	9 22.53	+19 52.6	1.896	2.813	8.9	21.8
1 22	9 13.64	+20 43.9	1.857	2.822	4.9	21.6
2 1	9 3.46	+21 34.4	1.847	2.831	1.6	21.4
2 11	8 53.09	+22 18.4	1.868	2.839	4.4	21.6
2 21	8 43.67	+22 51.7	1.917	2.846	8.3	21.9
3 2	8 36.15	+23 12.4	1.993	2.852	11.9	22.1
3 12	8 31.14	+23 20.6	2.090	2.858	14.8	22.3

263563 2008 FL_{68} 2 2.6 295°.69 0°.1/ 2.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 2	9 25.13	+14 30.9	1.737	2.582	13.7	21.1
1 12	9 19.86	+15 2.3	1.660	2.577	9.9	20.9
1 22	9 12.31	+15 44.5	1.607	2.571	5.5	20.6
2 1	9 3.28	+16 32.7	1.582	2.566	0.8	20.3
2 11	8 53.91	+17 20.9	1.584	2.561	4.0	20.5
2 21	8 45.39	+18 3.8	1.615	2.556	8.6	20.8
3 2	8 38.77	+18 37.5	1.671	2.551	12.7	21.0
3 12	8 34.78	+18 59.8	1.748	2.546	16.1	21.2

74946 1999 TA_{179} 2 2.6 340°.89 2°.7/ 3.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 25.05	+10 14.4	1.347	2.194	16.7	18.5
1 12	9 20.27	+10 7.3	1.273	2.187	12.5	18.3
1 22	9 12.73	+10 16.2	1.221	2.180	7.7	18.0
2 1	9 3.36	+10 38.8	1.193	2.174	3.2	17.7
2 11	8 53.55	+11 10.0	1.191	2.169	4.8	17.8
2 21	8 44.81	+11 44.3	1.215	2.164	9.8	18.0
3 2	8 38.41	+12 15.9	1.262	2.160	14.6	18.3
3 12	8 35.18	+12 40.8	1.329	2.157	18.7	18.5

130755 2000 SX_{275} 2 2.6 149°.11 4°.4/ 5.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 26.91	+ 1 34.7	2.056	2.844	14.0	20.1
1 12	9 20.69	+ 1 46.9	1.983	2.855	10.9	19.9
1 22	9 12.59	+ 2 17.8	1.933	2.866	7.6	19.8
2 1	9 3.32	+ 3 5.6	1.911	2.875	4.9	19.6
2 11	8 53.85	+ 4 6.4	1.918	2.884	4.9	19.6
2 21	8 45.16	+ 5 14.6	1.955	2.892	7.6	19.8
3 2	8 38.11	+ 6 24.3	2.019	2.899	10.8	20.0
3 12	8 33.27	+ 7 30.2	2.108	2.906	13.7	20.2

170346 2003 SJ_{161} 2 2.6 175°.76 0°.7/ 3.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 27.13	+12 11.0	2.009	2.837	12.8	21.6
1 12	9 20.99	+12 50.4	1.933	2.840	9.3	21.4
1 22	9 12.83	+13 41.2	1.882	2.842	5.3	21.2
2 1	9 3.36	+14 39.2	1.860	2.844	1.2	20.9
2 11	8 53.63	+15 38.7	1.868	2.844	3.5	21.1
2 21	8 44.67	+16 34.3	1.905	2.844	7.6	21.3
3 2	8 37.41	+17 22.0	1.970	2.844	11.3	21.5
3 12	8 32.51	+17 59.3	2.058	2.843	14.5	21.8

456346 2006 TN_{38} 2 2.6 109°.56 2°.2/ 1.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 29.54	+21 14.7	1.993	2.837	12.2	22.3
1 12	9 22.58	+22 1.0	1.941	2.858	8.7	22.1
1 22	9 13.59	+22 49.7	1.915	2.879	4.8	21.9
2 1	9 3.46	+23 34.8	1.919	2.900	2.2	21.8
2 11	8 53.29	+24 11.0	1.952	2.920	4.7	22.0
2 21	8 44.16	+24 35.2	2.015	2.939	8.3	22.2
3 2	8 36.96	+24 46.2	2.104	2.958	11.6	22.5
3 12	8 32.23	+24 45.0	2.214	2.976	14.3	22.7

333794 2011 HT_{4} 2 2.6 270°.08 2°.3/ 4.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 22.26	+ 6 57.8	2.074	2.892	12.8	20.5
1 12	9 17.48	+ 7 36.6	1.993	2.890	9.6	20.3
1 22	9 10.87	+ 8 31.4	1.936	2.888	6.0	20.1
2 1	9 3.09	+ 9 38.8	1.907	2.885	2.7	19.9
2 11	8 55.02	+10 53.5	1.907	2.883	3.5	19.9
2 21	8 47.60	+12 9.7	1.937	2.881	7.1	20.2
3 2	8 41.67	+13 21.6	1.994	2.878	10.7	20.4
3 12	8 37.85	+14 25.0	2.074	2.876	13.8	20.6

342989 2009 BL_{52} 2 2.6 23°.26 3°.6/31.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 29.50	+27 36.9	2.013	2.861	11.9	20.1
1 12	9 22.65	+27 47.2	1.949	2.865	8.7	19.9
1 22	9 13.67	+27 53.5	1.910	2.870	5.4	19.7
2 1	9 3.47	+27 50.9	1.900	2.874	3.6	19.6
2 11	8 53.22	+27 36.0	1.919	2.879	5.6	19.8
2 21	8 44.05	+27 7.9	1.967	2.885	8.9	20.0
3 2	8 36.87	+26 27.7	2.040	2.890	12.0	20.2
3 12	8 32.25	+25 37.9	2.135	2.896	14.8	20.4

74604 1999 RU_{11} 2 2.6 144°.27 0°.3/ 2.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 30.73	+15 25.6	1.546	2.389	15.1	19.5
1 12	9 23.98	+16 2.3	1.482	2.398	10.9	19.2
1 22	9 14.62	+16 49.3	1.442	2.406	6.0	19.0
2 1	9 3.63	+17 40.5	1.429	2.414	0.8	18.6
2 11	8 52.41	+18 28.9	1.446	2.421	4.5	18.9
2 21	8 42.36	+19 8.9	1.489	2.428	9.4	19.2
3 2	8 34.67	+19 37.1	1.558	2.434	13.7	19.5
3 12	8 30.01	+19 52.7	1.648	2.439	17.2	19.7

83638 2001 SG_{328} 2 2.6 279°.00 0°.2/ 2.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 27.22	+16 17.8	1.722	2.567	13.7	19.9
1 12	9 21.37	+16 33.6	1.645	2.562	9.9	19.7
1 22	9 13.16	+16 57.3	1.593	2.558	5.5	19.4
2 1	9 3.42	+17 24.5	1.568	2.553	0.8	19.0
2 11	8 53.37	+17 50.1	1.572	2.548	4.1	19.3
2 21	8 44.24	+18 10.1	1.603	2.543	8.7	19.5
3 2	8 37.13	+18 21.8	1.660	2.539	12.8	19.8
3 12	8 32.73	+18 24.0	1.738	2.534	16.3	20.0

350393 2012 VD_{18} 2 2.7 232°.55 2°.7/ 5.0 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 2	9 21.76	+ 5 58.2	2.620	3.423	10.9	21.4
1 12	9 16.81	+ 6 6.5	2.531	3.417	8.3	21.3
1 22	9 10.39	+ 6 26.8	2.467	3.411	5.5	21.1
2 1	9 3.04	+ 6 57.6	2.432	3.405	3.1	20.9
2 11	8 55.46	+ 7 36.0	2.427	3.399	3.4	20.9
2 21	8 48.39	+ 8 18.5	2.452	3.392	6.1	21.1
3 2	8 42.48	+ 9 1.7	2.505	3.385	9.0	21.2
3 12	8 38.26	+ 9 42.0	2.582	3.379	11.5	21.4

152745 1998 YN_{11} 2 2.7 96°.75 4°.8/ 5.6 18

1 2	9 28.01	+ 3 11.5	1.872	2.670	14.7	19.7
1 12	9 21.52	+ 2 50.1	1.811	2.690	11.5	19.5
1 22	9 13.05	+ 2 45.9	1.773	2.709	8.0	19.4
2 1	9 3.42	+ 2 58.1	1.763	2.727	5.2	19.2
2 11	8 53.72	+ 3 23.8	1.781	2.746	5.3	19.3
2 21	8 44.97	+ 3 58.7	1.827	2.764	8.1	19.5
3 2	8 38.05	+ 4 37.8	1.900	2.781	11.3	19.7
3 12	8 33.53	+ 5 16.2	1.996	2.799	14.2	19.9

29880 Andytran 2 2.7 182°.29 0°.3/ 2.9 18

1 2	9 22.95	+14 3.3	2.763	3.590	9.7	19.8
1 12	9 17.58	+14 29.2	2.683	3.590	7.0	19.6
1 22	9 10.78	+15 1.7	2.629	3.590	3.9	19.4
2 1	9 3.10	+15 38.1	2.606	3.590	0.7	19.2
2 11	8 55.25	+16 14.7	2.613	3.590	2.7	19.3
2 21	8 47.93	+16 48.7	2.651	3.589	5.9	19.6
3 2	8 41.79	+17 17.5	2.718	3.587	8.7	19.7
3 12	8 37.32	+17 39.5	2.808	3.586	11.2	19.9

91781 1999 TR_{212} 2 2.7 336°.41 10°.1/ 9.4 18

1 2	9 21.15	− 9 7.7	1.695	2.450	17.8	18.6
1 12	9 17.10	− 9 52.8	1.611	2.440	15.4	18.4
1 22	9 10.86	−10 9.8	1.546	2.430	12.8	18.2
2 1	9 3.14	− 9 55.1	1.504	2.421	10.8	18.1
2 11	8 54.98	− 9 9.0	1.485	2.413	10.2	18.0
2 21	8 47.53	− 7 56.1	1.490	2.405	11.4	18.1
3 2	8 41.84	− 6 24.4	1.520	2.398	13.8	18.2
3 12	8 38.67	− 4 44.0	1.570	2.392	16.6	18.4

47148 1999 RN_{25} 2 2.7 153°.27 4°.0/31.6 18

1 2	9 33.61	+24 45.2	1.520	2.373	14.8	19.3
1 12	9 26.22	+25 32.3	1.459	2.379	10.7	19.1
1 22	9 15.94	+26 19.6	1.423	2.385	6.4	18.8
2 1	9 3.86	+26 58.5	1.413	2.390	4.0	18.7
2 11	8 51.59	+27 22.0	1.432	2.394	6.7	18.9
2 21	8 40.69	+27 26.7	1.477	2.398	11.0	19.1
3 2	8 32.43	+27 13.2	1.547	2.402	14.9	19.4
3 12	8 27.52	+26 44.6	1.636	2.405	18.3	19.6

417919 2007 RO_{211} 2 2.7 167°.66 0°.1/ 2.8 18

1 2	9 29.03	+14 42.8	2.027	2.858	12.5	22.1
1 12	9 22.32	+15 9.9	1.954	2.863	9.1	21.8
1 22	9 13.56	+15 45.3	1.906	2.868	5.1	21.6
2 1	9 3.52	+16 24.7	1.887	2.872	0.8	21.3
2 11	8 53.25	+17 3.3	1.899	2.875	3.6	21.5
2 21	8 43.84	+17 37.0	1.941	2.877	7.7	21.8
3 2	8 36.20	+18 2.8	2.009	2.879	11.3	22.0
3 12	8 30.96	+18 19.4	2.100	2.880	14.4	22.2

51753 2001 KV_{71} 2 2.7 100°.66 4°.3/ 5.4 18

1 2	9 27.41	+ 3 59.6	1.835	2.639	14.8	19.0
1 12	9 21.15	+ 3 51.9	1.773	2.657	11.4	18.8
1 22	9 12.88	+ 4 1.4	1.734	2.674	7.7	18.6
2 1	9 3.41	+ 4 26.9	1.723	2.692	4.8	18.4
2 11	8 53.84	+ 5 4.6	1.740	2.709	5.0	18.5
2 21	8 45.23	+ 5 49.6	1.786	2.725	8.0	18.7
3 2	8 38.47	+ 6 36.4	1.858	2.742	11.4	18.9
3 12	8 34.13	+ 7 20.5	1.952	2.757	14.4	19.2

461088 2015 AW_{198} 2 2.7 189°.99 2°.6/31.8 18

1 2	9 26.18	+22 22.3	2.061	2.910	11.6	20.7
1 12	9 20.37	+23 9.6	1.990	2.909	8.3	20.5
1 22	9 12.51	+23 59.5	1.945	2.909	4.8	20.3
2 1	9 3.37	+24 46.2	1.929	2.908	2.6	20.1
2 11	8 54.00	+25 24.2	1.942	2.907	4.9	20.3
2 21	8 45.44	+25 49.7	1.984	2.906	8.5	20.5
3 2	8 38.63	+26 1.5	2.051	2.905	11.8	20.7
3 12	8 34.20	+26 0.0	2.140	2.904	14.6	20.9

144176 2004 BN_{113} 2 2.7 281°.01 3°.3/ 4.9 18

1 2	9 23.30	+ 6 6.5	2.307	3.114	12.0	19.8
1 12	9 18.13	+ 5 56.9	2.212	3.100	9.2	19.6
1 22	9 11.24	+ 5 59.7	2.142	3.086	6.2	19.4
2 1	9 3.20	+ 6 14.0	2.100	3.072	3.6	19.2
2 11	8 54.84	+ 6 37.6	2.088	3.058	4.0	19.2
2 21	8 47.03	+ 7 7.2	2.104	3.044	6.9	19.3
3 2	8 40.55	+ 7 39.0	2.148	3.030	10.1	19.5
3 12	8 36.03	+ 8 9.6	2.215	3.016	13.1	19.7

318149 2004 PC_{89} 2 2.7 160°.99 3°.9/ 5.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 2	9 24.05	+ 2 3.6	2.375	3.162	12.4	21.5
1 12	9 18.51	+ 2 15.5	2.295	3.168	9.7	21.3
1 22	9 11.36	+ 2 43.4	2.240	3.173	6.7	21.2
2 1	9 3.21	+ 3 25.8	2.213	3.178	4.3	21.0
2 11	8 54.86	+ 4 19.4	2.216	3.182	4.3	21.0
2 21	8 47.12	+ 5 19.7	2.248	3.185	6.8	21.2
3 2	8 40.74	+ 6 21.9	2.309	3.189	9.6	21.4
3 12	8 36.24	+ 7 21.4	2.394	3.191	12.3	21.6

415931 2001 VQ_{58} 2 2.7 146°.04 6°.1/ 6.8 18

1 2	9 26.24	− 1 36.2	2.148	2.918	14.0	20.6
1 12	9 20.19	− 2 5.8	2.072	2.926	11.4	20.4
1 22	9 12.34	− 2 17.3	2.019	2.933	8.6	20.3
2 1	9 3.35	− 2 9.8	1.993	2.940	6.5	20.1
2 11	8 54.16	− 1 45.3	1.995	2.946	6.3	20.1
2 21	8 45.69	− 1 7.3	2.026	2.951	8.2	20.3
3 2	8 38.75	− 0 20.8	2.083	2.957	10.8	20.4
3 12	8 33.94	+ 0 28.7	2.164	2.962	13.4	20.6

86906 2000 HZ_{46} 2 2.7 91°.48 4°.7/ 6.4 18

1 2	9 22.58	+ 0 54.1	2.242	3.030	13.0	19.6
1 12	9 17.53	+ 0 49.8	2.166	3.035	10.3	19.4
1 22	9 10.84	+ 1 2.3	2.113	3.041	7.4	19.3
2 1	9 3.14	+ 1 31.1	2.088	3.047	5.1	19.1
2 11	8 55.25	+ 2 13.2	2.091	3.052	5.0	19.1
2 21	8 48.01	+ 3 4.4	2.122	3.058	7.2	19.3
3 2	8 42.16	+ 3 59.9	2.181	3.064	10.0	19.5
3 12	8 38.24	+ 4 54.8	2.264	3.069	12.7	19.7

15921 Kintaikyo 2 2.7 203°.85 3°.9/ 5.0 18

1 2	9 27.63	+ 5 23.9	1.772	2.583	14.9	19.7
1 12	9 21.61	+ 5 21.1	1.690	2.580	11.5	19.5
1 22	9 13.31	+ 5 35.4	1.631	2.577	7.7	19.3
2 1	9 3.52	+ 6 5.5	1.599	2.572	4.4	19.1
2 11	8 53.34	+ 6 47.7	1.596	2.568	4.9	19.1
2 21	8 43.99	+ 7 36.6	1.621	2.563	8.5	19.3
3 2	8 36.50	+ 8 26.8	1.672	2.557	12.4	19.5
3 12	8 31.61	+ 9 13.2	1.745	2.551	15.8	19.7

333880 1997 YV_{12} 2 2.7 60°.10 0°.8/ 3.2 18

1 2	9 24.78	+13 27.8	2.058	2.893	12.2	20.7
1 12	9 19.16	+13 37.3	1.995	2.906	8.9	20.5
1 22	9 11.75	+13 55.3	1.957	2.918	5.1	20.3
2 1	9 3.27	+14 18.4	1.947	2.931	1.2	20.1
2 11	8 54.70	+14 43.1	1.967	2.944	3.3	20.2
2 21	8 46.97	+15 5.7	2.016	2.958	7.1	20.5
3 2	8 40.88	+15 23.7	2.091	2.971	10.5	20.7
3 12	8 36.96	+15 35.2	2.189	2.984	13.4	21.0

54574 2000 QL_{157} 2 2.7 124°.33 4°.2/ 6.2 18

1 2	9 22.29	+ 1 24.9	2.550	3.334	11.7	19.4
1 12	9 17.16	+ 1 21.0	2.473	3.341	9.2	19.2
1 22	9 10.57	+ 1 31.5	2.420	3.348	6.6	19.0
2 1	9 3.11	+ 1 55.9	2.395	3.355	4.5	18.9
2 11	8 55.48	+ 2 31.6	2.400	3.362	4.5	18.9
2 21	8 48.43	+ 3 15.2	2.434	3.368	6.5	19.1
3 2	8 42.62	+ 4 2.6	2.495	3.375	9.0	19.2
3 12	8 38.51	+ 4 49.7	2.582	3.381	11.5	19.4

242543 2005 CM_{68} 2 2.7 287°.55 0°.7/ 2.9 18

1 2	9 29.97	+15 24.7	1.564	2.408	14.9	19.8
1 12	9 23.64	+15 11.2	1.480	2.395	11.0	19.5
1 22	9 14.59	+15 5.1	1.420	2.383	6.3	19.2
2 1	9 3.72	+15 3.5	1.386	2.370	1.3	18.9
2 11	8 52.38	+15 2.6	1.381	2.358	4.3	19.0
2 21	8 42.03	+14 59.3	1.403	2.346	9.4	19.3
3 2	8 33.94	+14 51.5	1.450	2.334	14.0	19.5
3 12	8 28.91	+14 38.0	1.517	2.321	17.9	19.8

207778 2007 TO_{78} 2 2.7 33°.62 2°.1/ 1.3 18

1 2	9 25.20	+21 25.1	1.907	2.760	12.3	19.9
1 12	9 19.66	+21 54.2	1.847	2.769	8.7	19.7
1 22	9 12.09	+22 25.8	1.812	2.778	4.9	19.5
2 1	9 3.33	+22 54.9	1.806	2.787	2.1	19.4
2 11	8 54.46	+23 16.5	1.828	2.797	4.6	19.5
2 21	8 46.54	+23 27.9	1.877	2.808	8.3	19.8
3 2	8 40.47	+23 27.8	1.952	2.819	11.8	20.0
3 12	8 36.82	+23 16.7	2.049	2.830	14.7	20.2

220075 2002 RT_{201} 2 2.7 91°.18 1°.7/ 1.4 18

1 2	9 25.93	+20 40.1	2.198	3.042	11.2	20.8
1 12	9 19.93	+21 16.0	2.140	3.058	7.9	20.6
1 22	9 12.16	+21 54.6	2.108	3.073	4.4	20.4
2 1	9 3.35	+22 31.1	2.106	3.088	1.7	20.3
2 11	8 54.46	+23 1.2	2.133	3.103	4.1	20.5
2 21	8 46.43	+23 21.8	2.189	3.117	7.5	20.7
3 2	8 40.04	+23 31.6	2.272	3.132	10.6	20.9
3 12	8 35.81	+23 30.9	2.378	3.146	13.2	21.1

239740 2009 EL_3 2 2.7 292°.52 1°.8/ 4.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 2	9 21.15	+ 7 31.9	2.339	3.155	11.6	19.9
1 12	9 16.56	+ 8 19.4	2.255	3.153	8.7	19.8
1 22	9 10.35	+ 9 21.0	2.197	3.150	5.3	19.5
2 1	9 3.10	+10 33.5	2.168	3.148	2.2	19.3
2 11	8 55.61	+11 51.9	2.169	3.146	3.1	19.4
2 21	8 48.67	+13 10.5	2.201	3.144	6.5	19.6
3 2	8 43.04	+14 24.3	2.260	3.141	9.7	19.8
3 12	8 39.26	+15 29.6	2.343	3.139	12.6	20.0

42561 1996 XK_6 2 2.7 40°.60 1°.0/ 3.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 26.57	+12 50.1	1.295	2.148	16.8	18.5
1 12	9 21.25	+13 9.8	1.240	2.160	12.2	18.3
1 22	9 13.21	+13 44.0	1.208	2.172	7.0	18.0
2 1	9 3.52	+14 27.2	1.201	2.185	1.6	17.7
2 11	8 53.69	+15 12.5	1.220	2.198	4.5	17.9
2 21	8 45.18	+15 53.3	1.264	2.212	9.7	18.3
3 2	8 39.18	+16 25.1	1.333	2.226	14.3	18.6
3 12	8 36.34	+16 45.5	1.421	2.241	18.1	18.9

50392 2000 CD_{94} 2 2.7 327°.29 3°.8/31.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 28.01	+27 6.0	2.029	2.879	11.7	18.5
1 12	9 21.73	+27 36.1	1.959	2.876	8.6	18.3
1 22	9 13.29	+28 3.8	1.915	2.874	5.4	18.1
2 1	9 3.53	+28 23.4	1.898	2.871	3.8	18.0
2 11	8 53.58	+28 30.4	1.911	2.869	5.8	18.2
2 21	8 44.58	+28 22.6	1.952	2.867	9.1	18.3
3 2	8 37.49	+28 0.5	2.018	2.865	12.3	18.5
3 12	8 32.92	+27 26.0	2.105	2.863	15.1	18.7

402983 2007 VP_{40} 2 2.7 187°.27 2°.3/31.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 29.01	+20 58.9	2.095	2.937	11.8	22.0
1 12	9 22.41	+21 55.1	2.020	2.937	8.4	21.7
1 22	9 13.69	+22 55.3	1.972	2.936	4.8	21.5
2 1	9 3.60	+23 53.4	1.953	2.934	2.3	21.3
2 11	8 53.21	+24 43.4	1.965	2.931	4.8	21.5
2 21	8 43.62	+25 21.0	2.006	2.928	8.5	21.7
3 2	8 35.81	+25 44.3	2.074	2.924	11.9	21.9
3 12	8 30.42	+25 53.6	2.163	2.919	14.7	22.1

82773 2001 QJ_{15} 2 2.7 63°.94 4°.1/31.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 32.61	+26 53.1	1.609	2.462	14.1	18.1
1 12	9 25.22	+27 14.1	1.556	2.475	10.2	17.9
1 22	9 15.24	+27 31.5	1.528	2.489	6.3	17.7
2 1	9 3.80	+27 38.7	1.528	2.503	4.1	17.6
2 11	8 52.41	+27 30.9	1.555	2.517	6.4	17.8
2 21	8 42.46	+27 7.2	1.610	2.531	10.2	18.0
3 2	8 35.02	+26 29.4	1.689	2.545	13.8	18.3
3 12	8 30.67	+25 40.7	1.788	2.559	16.8	18.5

426183 2012 JO_{25} 2 2.7 191°.49 2°.5/31.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 26.43	+22 46.8	2.314	3.157	10.7	21.8
1 12	9 20.40	+23 35.4	2.239	3.156	7.7	21.6
1 22	9 12.50	+24 26.0	2.192	3.155	4.4	21.4
2 1	9 3.42	+25 13.2	2.174	3.153	2.5	21.3
2 11	8 54.11	+25 52.1	2.187	3.150	4.7	21.4
2 21	8 45.51	+26 19.3	2.228	3.147	7.9	21.6
3 2	8 38.48	+26 33.4	2.296	3.144	11.0	21.8
3 12	8 33.62	+26 34.9	2.387	3.140	13.6	22.0

309139 2006 XQ_{51} 2 2.7 98°.11 1°.7/12.9 11 C

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 7.27	−17 57.2	17.909	18.511	2.4	22.7
1 12	9 5.72	−18 1.3	17.829	18.524	2.2	22.6
1 22	9 4.00	−18 1.8	17.771	18.536	2.0	22.6
2 1	9 2.18	−17 58.6	17.737	18.549	1.8	22.6
2 11	9 0.35	−17 51.9	17.729	18.561	1.7	22.6
2 21	8 58.58	−17 42.1	17.747	18.573	1.7	22.6
3 2	8 56.96	−17 29.5	17.791	18.586	1.9	22.6
3 12	8 55.54	−17 14.8	17.860	18.598	2.1	22.7

353395 2011 OJ_{23} 2 2.7 143°.61 0°.2/ 2.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 31.23	+15 20.4	1.682	2.520	14.4	21.5
1 12	9 24.18	+15 30.3	1.615	2.528	10.4	21.3
1 22	9 14.71	+15 48.4	1.573	2.536	5.8	21.1
2 1	9 3.75	+16 10.5	1.558	2.543	0.9	20.7
2 11	8 52.62	+16 31.8	1.573	2.550	4.0	21.0
2 21	8 42.59	+16 48.3	1.616	2.556	8.7	21.3
3 2	8 34.76	+16 57.7	1.685	2.562	12.8	21.5
3 12	8 29.77	+16 59.0	1.776	2.567	16.2	21.8

81717 2000 JY_{29} 2 2.7 346°.53 7°.4/ 6.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 25.82	− 2 2.1	1.774	2.556	16.1	18.9
1 12	9 20.29	− 2 47.0	1.696	2.555	13.2	18.7
1 22	9 12.58	− 3 10.7	1.640	2.555	10.2	18.5
2 1	9 3.46	− 3 11.4	1.609	2.555	7.8	18.3
2 11	8 54.01	− 2 50.2	1.605	2.554	7.6	18.3
2 21	8 45.35	− 2 11.2	1.627	2.554	9.7	18.4
3 2	8 38.51	− 1 20.6	1.674	2.554	12.7	18.6
3 12	8 34.17	− 0 25.2	1.743	2.554	15.6	18.8

294907 2008 DN_{27} 2 2.7 352°.12 1°.1/ 2.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 2	9 24.66	+16 14.6	1.521	2.377	14.6	20.3
1 12	9 19.82	+17 8.6	1.452	2.374	10.5	20.1
1 22	9 12.46	+18 14.1	1.406	2.373	5.8	19.8
2 1	9 3.45	+19 24.0	1.387	2.371	1.2	19.5
2 11	8 54.08	+20 30.3	1.395	2.370	4.8	19.7
2 21	8 45.71	+21 26.0	1.431	2.370	9.6	20.0
3 2	8 39.50	+22 6.9	1.490	2.369	14.0	20.2
3 12	8 36.19	+22 31.8	1.569	2.369	17.6	20.5

417660 2006 YY_{25} 2 2.7 333°.03 2°.3/ 3.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 28.00	+12 33.3	1.511	2.353	15.5	20.2
1 12	9 22.22	+11 59.5	1.431	2.344	11.5	19.9
1 22	9 13.81	+11 35.2	1.375	2.334	7.0	19.6
2 1	9 3.65	+11 19.2	1.344	2.326	2.7	19.4
2 11	8 53.10	+11 9.0	1.341	2.318	4.6	19.5
2 21	8 43.55	+11 1.8	1.365	2.310	9.3	19.7
3 2	8 36.24	+10 55.1	1.413	2.304	13.8	20.0
3 12	8 31.92	+10 46.3	1.481	2.298	17.7	20.2

406474 2007 UU_{82} 2 2.7 227°.08 1°.2/ 1.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 29.10	+18 19.0	2.004	2.843	12.3	22.6
1 12	9 22.63	+18 56.4	1.916	2.831	8.9	22.4
1 22	9 13.91	+19 40.3	1.854	2.819	4.9	22.1
2 1	9 3.67	+20 25.5	1.821	2.805	1.3	21.8
2 11	8 53.01	+21 6.2	1.819	2.791	4.3	22.0
2 21	8 43.07	+21 38.1	1.845	2.776	8.4	22.2
3 2	8 34.92	+21 58.6	1.898	2.760	12.2	22.4
3 12	8 29.29	+22 7.2	1.973	2.744	15.5	22.6

18107 2000 NC_5 2 2.7 103°.98 1°.3/ 1.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 31.21	+18 13.8	1.702	2.545	14.0	18.7
1 12	9 24.03	+18 51.6	1.650	2.567	9.9	18.5
1 22	9 14.54	+19 35.1	1.624	2.589	5.4	18.3
2 1	9 3.74	+20 18.2	1.626	2.610	1.3	18.0
2 11	8 52.92	+20 54.8	1.658	2.631	4.5	18.3
2 21	8 43.33	+21 21.1	1.717	2.651	8.8	18.6
3 2	8 35.95	+21 35.4	1.803	2.670	12.6	18.9
3 12	8 31.36	+21 37.9	1.910	2.689	15.6	19.1

182611 2001 UJ_{59} 2 2.7 160°.98 1°.0/ 3.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 26.36	+12 3.4	2.179	3.004	12.0	21.5
1 12	9 20.32	+12 25.1	2.104	3.009	8.8	21.3
1 22	9 12.45	+12 56.6	2.055	3.014	5.1	21.1
2 1	9 3.45	+13 34.5	2.035	3.019	1.4	20.8
2 11	8 54.25	+14 14.6	2.046	3.023	3.2	21.0
2 21	8 45.79	+14 52.8	2.086	3.026	7.0	21.2
3 2	8 38.90	+15 25.8	2.154	3.029	10.4	21.4
3 12	8 34.14	+15 51.5	2.244	3.031	13.4	21.6

305731 2009 CM_{39} 2 2.7 79°.23 2°.1/ 1.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 32.04	+21 8.8	1.464	2.317	15.2	20.6
1 12	9 25.00	+21 26.0	1.408	2.329	10.9	20.4
1 22	9 15.23	+21 46.0	1.375	2.341	6.1	20.1
2 1	9 3.86	+22 2.6	1.370	2.353	2.1	19.9
2 11	8 52.42	+22 10.4	1.392	2.365	5.3	20.1
2 21	8 42.41	+22 6.6	1.441	2.376	10.0	20.4
3 2	8 34.97	+21 50.9	1.515	2.388	14.2	20.7
3 12	8 30.74	+21 24.9	1.609	2.400	17.6	21.0

226065 2002 HE_9 2 2.7 331°.78 6°.7/29.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 25.69	+30 12.2	1.555	2.420	13.8	19.5
1 12	9 20.86	+31 33.4	1.487	2.408	10.5	19.2
1 22	9 13.18	+32 52.1	1.442	2.396	7.5	19.0
2 1	9 3.59	+33 57.8	1.424	2.384	6.8	19.0
2 11	8 53.55	+34 41.7	1.431	2.373	9.1	19.1
2 21	8 44.58	+34 59.4	1.463	2.363	12.6	19.2
3 2	8 38.03	+34 51.0	1.517	2.354	16.2	19.4
3 12	8 34.72	+34 20.3	1.589	2.345	19.2	19.6

242088 2002 TG_{290} 2 2.7 115°.62 15°.7/11.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 30.86	−15 49.5	1.318	2.040	23.5	19.9
1 12	9 24.54	−17 36.3	1.260	2.050	21.0	19.7
1 22	9 15.22	−18 44.8	1.218	2.061	18.5	19.5
2 1	9 3.89	−19 6.7	1.195	2.071	16.5	19.5
2 11	8 52.14	−18 40.0	1.192	2.081	15.7	19.4
2 21	8 41.62	−17 29.7	1.210	2.090	16.3	19.5
3 2	8 33.71	−15 47.3	1.249	2.099	18.1	19.6
3 12	8 29.27	−13 47.7	1.307	2.107	20.4	19.8

460829 2014 WE_{65} 2 2.7 162°.35 3°.4/31.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 28.69	+24 45.3	2.125	2.970	11.5	22.1
1 12	9 22.14	+25 41.3	2.059	2.975	8.3	21.9
1 22	9 13.52	+26 37.7	2.020	2.980	5.0	21.7
2 1	9 3.62	+27 28.0	2.010	2.985	3.4	21.6
2 11	8 53.52	+28 6.7	2.030	2.988	5.5	21.8
2 21	8 44.29	+28 30.5	2.079	2.992	8.8	22.0
3 2	8 36.88	+28 38.7	2.154	2.994	11.9	22.2
3 12	8 31.88	+28 32.6	2.250	2.996	14.5	22.4

194823 2001 YY_{123} 2 2.7 49°.83 5°.5/30.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 2	9 30.40	+26 39.2	1.291	2.158	16.0	19.5
1 12	9 24.28	+27 44.1	1.241	2.167	11.6	19.3
1 22	9 15.01	+28 47.5	1.215	2.176	7.4	19.0
2 1	9 3.85	+29 38.5	1.214	2.186	5.6	19.0
2 11	8 52.55	+30 8.7	1.239	2.197	8.2	19.1
2 21	8 42.84	+30 14.8	1.288	2.207	12.4	19.4
3 2	8 36.05	+29 58.2	1.359	2.218	16.4	19.7
3 12	8 32.83	+29 23.1	1.449	2.229	19.7	19.9

130457 2000 QZ_{65} 2 2.7 35°.10 5°.0/30.8 18

1 2	9 27.96	+24 39.0	1.317	2.186	15.6	19.0
1 12	9 22.53	+25 56.4	1.264	2.191	11.3	18.7
1 22	9 14.08	+27 15.9	1.233	2.197	7.0	18.5
2 1	9 3.72	+28 26.6	1.229	2.203	5.0	18.4
2 11	8 53.11	+29 18.6	1.250	2.210	7.9	18.6
2 21	8 43.90	+29 47.1	1.296	2.217	12.2	18.8
3 2	8 37.43	+29 51.6	1.364	2.225	16.2	19.1
3 12	8 34.41	+29 35.3	1.451	2.232	19.6	19.3

246035 2006 UA_{115} 2 2.7 262°.37 0°.6/ 2.2 17

1 2	9 23.39	+17 14.7	2.451	3.289	10.4	21.2
1 12	9 18.17	+17 43.5	2.365	3.279	7.4	21.0
1 22	9 11.27	+18 18.0	2.305	3.269	4.1	20.8
2 1	9 3.30	+18 54.4	2.275	3.259	0.8	20.5
2 11	8 55.07	+19 28.8	2.275	3.249	3.3	20.7
2 21	8 47.41	+19 57.7	2.304	3.238	6.8	20.9
3 2	8 41.09	+20 19.0	2.361	3.228	10.0	21.1
3 12	8 36.68	+20 31.3	2.440	3.217	12.7	21.2

377132 2003 HZ_{12} 2 2.7 259°.85 5°.3/ 6.7 17

1 2	9 23.78	− 0 56.8	2.210	2.987	13.5	21.4
1 12	9 18.66	− 0 57.0	2.107	2.968	10.9	21.2
1 22	9 11.66	− 0 38.1	2.027	2.948	8.1	20.9
2 1	9 3.38	+ 0 0.2	1.973	2.928	5.8	20.8
2 11	8 54.65	+ 0 55.4	1.948	2.907	5.6	20.7
2 21	8 46.40	+ 2 3.1	1.952	2.886	7.9	20.8
3 2	8 39.52	+ 3 17.3	1.983	2.864	10.9	21.0
3 12	8 34.68	+ 4 32.0	2.038	2.842	13.9	21.1

61938 2000 RT_{9} 2 2.7 82°.84 4°.3/31.1 18

1 2	9 29.15	+24 10.8	1.506	2.366	14.5	18.9
1 12	9 23.04	+25 21.8	1.453	2.377	10.4	18.7
1 22	9 14.22	+26 34.5	1.424	2.387	6.3	18.4
2 1	9 3.74	+27 39.3	1.422	2.397	4.3	18.3
2 11	8 53.07	+28 28.1	1.447	2.408	6.9	18.5
2 21	8 43.70	+28 56.5	1.499	2.418	11.0	18.8
3 2	8 36.79	+29 4.0	1.573	2.428	14.8	19.0
3 12	8 33.03	+28 53.2	1.668	2.438	17.9	19.3

499977 2011 KK_{44} 2 2.7 172°.82 1°.2/ 1.6 17

1 2	9 23.56	+17 56.8	2.411	3.251	10.5	21.8
1 12	9 18.28	+18 50.7	2.337	3.253	7.4	21.6
1 22	9 11.32	+19 50.4	2.289	3.254	4.1	21.4
2 1	9 3.31	+20 51.3	2.272	3.255	1.2	21.2
2 11	8 55.08	+21 48.1	2.284	3.256	3.6	21.4
2 21	8 47.47	+22 36.7	2.327	3.256	7.0	21.6
3 2	8 41.25	+23 14.6	2.397	3.257	10.1	21.8
3 12	8 36.97	+23 40.8	2.490	3.257	12.7	22.0

345082 2005 KS_{1} 2 2.7 259°.93 0°.2/ 2.5 17

1 2	9 23.42	+15 37.3	2.491	3.325	10.4	21.8
1 12	9 18.22	+16 11.8	2.397	3.309	7.5	21.5
1 22	9 11.33	+16 53.5	2.329	3.292	4.2	21.3
2 1	9 3.32	+17 38.9	2.290	3.275	0.6	21.0
2 11	8 54.99	+18 23.7	2.282	3.258	3.2	21.2
2 21	8 47.16	+19 4.1	2.304	3.240	6.7	21.4
3 2	8 40.61	+19 37.1	2.354	3.222	10.0	21.5
3 12	8 35.95	+20 1.1	2.427	3.204	12.7	21.7

452496 2004 PZ_{33} 2 2.7 105°.70 0°.2/ 2.8 16

1 2	9 31.46	+14 38.1	1.700	2.536	14.3	22.4
1 12	9 24.17	+15 4.9	1.648	2.560	10.3	22.2
1 22	9 14.62	+15 40.7	1.620	2.583	5.7	22.0
2 1	9 3.79	+16 20.5	1.621	2.606	0.9	21.7
2 11	8 52.95	+16 58.5	1.651	2.627	3.9	21.9
2 21	8 43.32	+17 30.3	1.710	2.649	8.4	22.3
3 2	8 35.87	+17 53.3	1.795	2.669	12.2	22.5
3 12	8 31.16	+18 6.3	1.901	2.689	15.4	22.8

102626 1999 VY_{27} 2 2.7 164°.34 2°.2/ 3.7 18

1 2	9 31.74	+11 42.1	1.824	2.648	14.0	18.8
1 12	9 24.43	+11 13.8	1.749	2.651	10.4	18.6
1 22	9 14.84	+10 54.6	1.698	2.654	6.3	18.4
2 1	9 3.84	+10 42.8	1.675	2.656	2.6	18.1
2 11	8 52.62	+10 36.3	1.683	2.658	4.1	18.2
2 21	8 42.38	+10 32.6	1.719	2.660	8.2	18.5
3 2	8 34.14	+10 29.3	1.782	2.661	12.1	18.7
3 12	8 28.58	+10 24.3	1.868	2.662	15.4	18.9

8344 Babette 2 2.7 355°.10 0°.0/ 2.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 2	9 24.13	+14 57.5	1.141	2.010	17.5	17.3
1 12	9 20.02	+15 18.4	1.077	2.004	12.7	17.0
1 22	9 12.82	+15 53.5	1.033	2.001	7.2	16.7
2 1	9 3.57	+16 36.8	1.013	1.998	1.1	16.3
2 11	8 53.91	+17 20.2	1.018	1.996	5.1	16.6
2 21	8 45.53	+17 56.7	1.046	1.996	11.0	16.9
3 2	8 39.88	+18 21.4	1.097	1.997	16.1	17.2
3 12	8 37.76	+18 32.1	1.165	1.999	20.4	17.4

154280 2002 TS_{39} 2 2.7 85°.08 4°.3/31.4 18

1 2	9 32.33	+24 2.9	1.339	2.200	15.9	19.5
1 12	9 25.44	+25 8.0	1.294	2.218	11.4	19.3
1 22	9 15.56	+26 14.0	1.272	2.235	6.8	19.1
2 1	9 3.94	+27 10.7	1.276	2.253	4.4	19.0
2 11	8 52.29	+27 49.8	1.308	2.270	7.2	19.2
2 21	8 42.24	+28 7.6	1.365	2.288	11.5	19.5
3 2	8 35.04	+28 4.6	1.445	2.305	15.5	19.8
3 12	8 31.30	+27 44.2	1.544	2.321	18.8	20.0

321207 2008 YZ_{40} 2 2.7 58°.44 0°.2/ 2.6 18

1 2	9 22.59	+14 0.5	2.088	2.927	11.9	20.3
1 12	9 17.71	+14 56.6	2.022	2.936	8.5	20.1
1 22	9 11.05	+16 2.4	1.982	2.946	4.7	19.8
2 1	9 3.29	+17 13.0	1.971	2.955	0.7	19.5
2 11	8 55.34	+18 22.2	1.989	2.965	3.4	19.8
2 21	8 48.14	+19 24.9	2.037	2.975	7.3	20.0
3 2	8 42.48	+20 17.3	2.112	2.985	10.7	20.3
3 12	8 38.93	+20 57.3	2.209	2.995	13.6	20.5

343180 2009 UZ_{70} 2 2.7 90°.46 2°.2/ 1.7 17

1 2	9 33.83	+20 9.1	1.316	2.172	16.5	21.0
1 12	9 26.43	+20 41.7	1.268	2.191	11.7	20.7
1 22	9 16.07	+21 19.0	1.244	2.210	6.5	20.5
2 1	9 4.01	+21 53.4	1.245	2.228	2.2	20.3
2 11	8 51.98	+22 17.8	1.274	2.246	5.7	20.5
2 21	8 41.59	+22 28.4	1.329	2.264	10.6	20.9
3 2	8 34.05	+22 24.8	1.408	2.282	15.0	21.2
3 12	8 29.98	+22 8.4	1.506	2.299	18.5	21.4

465653 2009 RL_{35} 2 2.7 180°.38 5°.5/29.7 18

1 2	9 30.05	+31 55.1	2.158	3.002	11.4	21.9
1 12	9 23.21	+32 52.2	2.094	3.003	8.6	21.7
1 22	9 14.16	+33 43.6	2.057	3.003	6.2	21.5
2 1	9 3.75	+34 22.4	2.048	3.003	5.5	21.5
2 11	8 53.13	+34 43.4	2.067	3.003	7.2	21.6
2 21	8 43.48	+34 44.6	2.115	3.002	9.9	21.8
3 2	8 35.79	+34 26.9	2.187	3.001	12.6	21.9
3 12	8 30.69	+33 53.5	2.279	3.000	15.0	22.1

257036 2008 FU_{48} 2 2.7 76°.16 2°.6/ 1.2 18

1 2	9 28.87	+21 38.4	1.674	2.526	13.7	20.5
1 12	9 22.49	+22 21.0	1.622	2.543	9.7	20.3
1 22	9 13.77	+23 6.2	1.595	2.560	5.5	20.1
2 1	9 3.68	+23 47.5	1.595	2.576	2.6	19.9
2 11	8 53.54	+24 18.7	1.624	2.593	5.3	20.2
2 21	8 44.60	+24 36.5	1.681	2.609	9.3	20.4
3 2	8 37.86	+24 40.0	1.762	2.625	13.0	20.7
3 12	8 33.91	+24 30.3	1.864	2.642	16.0	20.9

420927 2013 NA_{18} 2 2.7 294°.32 0°.2/ 2.6 16

1 2	9 23.84	+12 41.5	1.789	2.630	13.5	20.9
1 12	9 18.98	+13 57.9	1.713	2.628	9.7	20.7
1 22	9 11.93	+15 29.2	1.663	2.627	5.4	20.4
2 1	9 3.44	+17 8.7	1.640	2.625	0.8	20.1
2 11	8 54.59	+18 48.0	1.647	2.623	4.0	20.3
2 21	8 46.49	+20 19.1	1.683	2.621	8.5	20.6
3 2	8 40.19	+21 36.2	1.745	2.620	12.5	20.8
3 12	8 36.40	+22 36.4	1.829	2.618	15.9	21.1

238802 2005 LB_{38} 2 2.7 213°.26 0°.3/ 2.4 18

1 2	9 22.83	+15 39.3	2.551	3.385	10.2	21.0
1 12	9 17.70	+16 20.8	2.469	3.381	7.3	20.8
1 22	9 11.00	+17 9.2	2.413	3.377	4.0	20.6
2 1	9 3.30	+18 0.8	2.388	3.373	0.6	20.3
2 11	8 55.36	+18 51.1	2.393	3.368	3.1	20.5
2 21	8 47.97	+19 36.4	2.428	3.363	6.5	20.8
3 2	8 41.85	+20 13.8	2.491	3.358	9.5	20.9
3 12	8 37.54	+20 41.7	2.578	3.353	12.1	21.1

311001 2003 WX_{192} 2 2.7 41°.13 0°.9/ 2.2 18

1 2	9 27.12	+16 57.1	1.320	2.180	16.1	20.8
1 12	9 21.67	+17 31.0	1.268	2.193	11.5	20.5
1 22	9 13.48	+18 14.5	1.239	2.206	6.3	20.3
2 1	9 3.66	+19 0.6	1.236	2.220	1.2	20.0
2 11	8 53.74	+19 41.9	1.259	2.235	4.9	20.3
2 21	8 45.18	+20 12.8	1.307	2.250	10.0	20.6
3 2	8 39.15	+20 30.5	1.379	2.265	14.5	20.9
3 12	8 36.28	+20 34.7	1.471	2.281	18.1	21.2

425480 2010 FF_5 2 2.7 13°.42 2°.9/31.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 2	9 27.36	+24 47.4	2.111	2.959	11.4	20.8
1 12	9 21.18	+25 12.1	2.042	2.960	8.2	20.6
1 22	9 12.99	+25 36.1	1.998	2.960	4.9	20.4
2 1	9 3.60	+25 54.6	1.983	2.961	2.9	20.2
2 11	8 54.04	+26 3.2	1.998	2.961	5.0	20.4
2 21	8 45.37	+25 59.8	2.041	2.962	8.4	20.6
3 2	8 38.48	+25 44.3	2.109	2.963	11.6	20.8
3 12	8 33.95	+25 18.0	2.200	2.964	14.3	21.0

105678 2000 SM_{46} 2 2.7 148°.71 3°.9/ 6.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 22.45	+ 0 49.8	2.933	3.706	10.6	20.8
1 12	9 17.16	+ 0 44.8	2.854	3.714	8.4	20.6
1 22	9 10.58	+ 0 52.7	2.799	3.722	6.1	20.5
2 1	9 3.24	+ 1 12.9	2.774	3.729	4.3	20.4
2 11	8 55.76	+ 1 43.5	2.778	3.736	4.2	20.4
2 21	8 48.77	+ 2 21.5	2.812	3.743	5.9	20.5
3 2	8 42.86	+ 3 3.5	2.875	3.749	8.2	20.6
3 12	8 38.46	+ 3 46.1	2.963	3.755	10.3	20.8

280622 2004 XM_{86} 2 2.7 19°.09 0°.5/ 2.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 23.29	+15 39.4	1.609	2.463	14.1	20.3
1 12	9 18.65	+16 19.9	1.546	2.468	10.1	20.1
1 22	9 11.74	+17 10.5	1.508	2.474	5.6	19.8
2 1	9 3.42	+18 5.5	1.496	2.481	0.8	19.5
2 11	8 54.90	+18 58.2	1.512	2.488	4.2	19.8
2 21	8 47.36	+19 42.9	1.555	2.496	8.8	20.0
3 2	8 41.83	+20 15.9	1.622	2.505	12.8	20.3
3 12	8 38.93	+20 35.8	1.711	2.515	16.2	20.5

76818 2000 RG_{79} 2 2.7 63°.28 8°.3/ 4.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 41.12	+ 7 5.1	0.994	1.829	22.3	16.1
1 12	9 32.33	+ 4 50.1	0.940	1.839	17.4	15.8
1 22	9 19.65	+ 2 50.9	0.906	1.850	12.2	15.6
2 1	9 4.59	+ 1 14.6	0.895	1.862	8.5	15.4
2 11	8 49.40	+ 0 5.5	0.910	1.873	9.5	15.5
2 21	8 36.25	− 0 36.5	0.949	1.885	13.7	15.8
3 2	8 26.79	− 0 56.8	1.010	1.897	18.4	16.1
3 12	8 21.74	− 1 3.2	1.088	1.909	22.4	16.4

334152 2001 RE_{141} 2 2.7 107°.78 6°.4/28.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 30.57	+38 32.7	2.592	3.420	10.2	20.6
1 12	9 23.24	+39 28.4	2.550	3.438	8.2	20.5
1 22	9 14.02	+40 13.8	2.534	3.456	6.7	20.4
2 1	9 3.74	+40 43.0	2.546	3.473	6.5	20.4
2 11	8 53.46	+40 52.5	2.588	3.490	7.6	20.5
2 21	8 44.19	+40 42.0	2.656	3.506	9.5	20.7
3 2	8 36.75	+40 13.3	2.748	3.522	11.4	20.8
3 12	8 31.67	+39 30.0	2.861	3.538	13.1	21.0

81866 2000 KO_{76} 2 2.7 180°.39 0°.2/ 2.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 25.86	+15 9.8	2.628	3.454	10.2	20.4
1 12	9 19.79	+15 51.2	2.548	3.456	7.3	20.3
1 22	9 12.14	+16 39.4	2.495	3.457	4.0	20.0
2 1	9 3.48	+17 30.5	2.473	3.458	0.6	19.8
2 11	8 54.60	+18 20.4	2.482	3.457	3.0	20.0
2 21	8 46.30	+19 5.2	2.523	3.456	6.3	20.2
3 2	8 39.30	+19 42.4	2.591	3.454	9.4	20.4
3 12	8 34.14	+20 10.5	2.684	3.451	11.9	20.6

165852 2001 SG_{19} 2 2.7 143°.86 5°.4/29.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 29.69	+33 58.8	2.382	3.220	10.6	19.7
1 12	9 22.75	+34 38.4	2.320	3.223	8.2	19.5
1 22	9 13.81	+35 10.5	2.285	3.226	6.1	19.4
2 1	9 3.72	+35 29.5	2.278	3.229	5.5	19.4
2 11	8 53.53	+35 31.4	2.301	3.231	6.9	19.5
2 21	8 44.29	+35 15.3	2.351	3.234	9.3	19.6
3 2	8 36.88	+34 42.5	2.426	3.236	11.7	19.8
3 12	8 31.86	+33 56.3	2.523	3.238	13.9	20.0

465447 2008 SE_{22} 2 2.7 158°.10 0°.4/ 2.4 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 26.40	+16 50.0	2.291	3.125	11.1	22.2
1 12	9 20.31	+17 10.8	2.218	3.130	8.0	22.0
1 22	9 12.46	+17 37.1	2.171	3.134	4.4	21.8
2 1	9 3.53	+18 5.2	2.154	3.138	0.7	21.5
2 11	8 54.42	+18 31.1	2.167	3.142	3.3	21.7
2 21	8 46.06	+18 51.8	2.210	3.145	7.0	21.9
3 2	8 39.23	+19 5.3	2.280	3.148	10.2	22.1
3 12	8 34.48	+19 10.8	2.373	3.150	13.0	22.3

441853 2009 WD_{71} 2 2.7 110°.86 2°.7/ 1.1 15

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 32.90	+20 32.3	1.489	2.340	15.2	22.2
1 12	9 25.60	+21 34.4	1.439	2.360	10.8	22.0
1 22	9 15.59	+22 41.1	1.415	2.380	6.0	21.8
2 1	9 3.98	+23 43.7	1.417	2.399	2.7	21.6
2 11	8 52.32	+24 34.2	1.449	2.417	5.8	21.9
2 21	8 42.07	+25 7.9	1.507	2.435	10.3	22.2
3 2	8 34.40	+25 23.7	1.590	2.451	14.3	22.5
3 12	8 29.92	+25 23.2	1.693	2.468	17.5	22.7

166824 2002 VH_{99} 2 2.7 354°.19 12°.8/30.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 2	9 50.42	+49 57.3	1.516	2.321	17.3	17.7
1 12	9 38.81	+50 5.0	1.455	2.312	15.1	17.6
1 22	9 22.98	+49 41.9	1.416	2.305	13.4	17.4
2 1	9 5.03	+48 36.4	1.400	2.299	12.9	17.4
2 11	8 47.74	+46 45.0	1.409	2.295	13.9	17.4
2 21	8 33.50	+44 14.4	1.443	2.293	16.0	17.6
3 2	8 23.66	+41 17.5	1.501	2.291	18.6	17.7
3 12	8 18.54	+38 8.2	1.579	2.292	21.0	17.9

72932 2002 AB_{62} 2 2.7 269°.59 0°.7/ 3.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 27.95	+12 58.1	1.750	2.585	14.0	19.6
1 12	9 22.21	+13 23.6	1.650	2.561	10.3	19.3
1 22	9 13.92	+14 1.9	1.574	2.535	6.0	19.0
2 1	9 3.79	+14 49.2	1.525	2.509	1.3	18.6
2 11	8 52.98	+15 39.7	1.506	2.483	4.1	18.7
2 21	8 42.78	+16 27.5	1.515	2.456	9.0	19.0
3 2	8 34.46	+17 7.8	1.549	2.428	13.5	19.2
3 12	8 28.92	+17 37.6	1.605	2.400	17.4	19.3

458539 2011 DH_{50} 2 2.7 358°.67 6°.1/29.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 23.90	+26 48.8	1.485	2.354	14.1	19.9
1 12	9 19.57	+28 39.5	1.426	2.352	10.4	19.7
1 22	9 12.49	+30 31.8	1.392	2.350	7.0	19.5
2 1	9 3.58	+32 13.8	1.384	2.349	6.2	19.4
2 11	8 54.26	+33 34.8	1.403	2.349	8.8	19.6
2 21	8 46.03	+34 28.7	1.446	2.350	12.5	19.8
3 2	8 40.17	+34 54.4	1.512	2.352	16.1	20.0
3 12	8 37.47	+34 54.8	1.596	2.354	19.1	20.2

257828 2000 GW_{177} 2 2.7 322°.87 5°.8/30.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 28.08	+28 19.8	1.467	2.332	14.6	19.9
1 12	9 22.67	+29 20.2	1.397	2.320	10.8	19.6
1 22	9 14.26	+30 18.8	1.350	2.308	7.3	19.4
2 1	9 3.84	+31 6.0	1.328	2.297	5.9	19.3
2 11	8 52.97	+31 33.3	1.333	2.286	8.4	19.4
2 21	8 43.28	+31 36.8	1.363	2.276	12.3	19.6
3 2	8 36.17	+31 16.9	1.415	2.267	16.3	19.8
3 12	8 32.46	+30 37.3	1.485	2.258	19.6	20.0

458513 2011 CF_{58} 2 2.7 219°.46 0°.8/ 3.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 24.32	+11 33.6	2.417	3.239	11.1	22.0
1 12	9 18.87	+12 10.3	2.327	3.231	8.1	21.7
1 22	9 11.72	+12 57.4	2.263	3.222	4.7	21.5
2 1	9 3.46	+13 51.5	2.229	3.213	1.2	21.3
2 11	8 54.89	+14 48.2	2.226	3.203	3.0	21.4
2 21	8 46.86	+15 43.1	2.253	3.193	6.6	21.6
3 2	8 40.15	+16 32.3	2.308	3.182	9.9	21.8
3 12	8 35.36	+17 13.3	2.387	3.170	12.8	21.9

465759 2009 WW_{89} 2 2.7 143°.60 2°.0/ 1.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 25.21	+20 1.7	2.034	2.882	11.8	21.7
1 12	9 19.74	+20 58.8	1.965	2.884	8.4	21.4
1 22	9 12.27	+22 1.0	1.922	2.887	4.7	21.2
2 1	9 3.54	+23 2.2	1.907	2.889	2.0	21.0
2 11	8 54.57	+23 56.4	1.922	2.891	4.6	21.2
2 21	8 46.38	+24 39.1	1.966	2.893	8.3	21.5
3 2	8 39.90	+25 7.9	2.036	2.895	11.7	21.7
3 12	8 35.75	+25 22.7	2.127	2.897	14.6	21.9

130700 2000 SA_{160} 2 2.7 13°.39 20°.3/20.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 19.08	−23 46.2	1.124	1.830	27.6	17.7
1 12	9 16.45	−25 46.4	1.076	1.835	25.7	17.6
1 22	9 10.88	−26 56.9	1.039	1.842	23.7	17.4
2 1	9 3.36	−27 7.5	1.015	1.851	21.9	17.3
2 11	8 55.44	−26 15.1	1.006	1.862	20.7	17.3
2 21	8 48.73	−24 24.9	1.013	1.875	20.3	17.3
3 2	8 44.63	−21 49.9	1.037	1.889	20.8	17.4
3 12	8 43.97	−18 48.8	1.077	1.905	22.1	17.5

328946 2010 VY_{62} 2 2.7 22°.84 8°.6/28.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 28.24	+34 16.5	1.425	2.289	14.9	19.8
1 12	9 22.80	+35 51.6	1.381	2.295	11.7	19.6
1 22	9 14.27	+37 17.1	1.359	2.302	9.2	19.5
2 1	9 3.85	+38 21.0	1.363	2.310	8.8	19.5
2 11	8 53.23	+38 55.1	1.392	2.318	10.9	19.6
2 21	8 44.12	+38 57.4	1.444	2.327	13.9	19.8
3 2	8 37.83	+38 30.8	1.517	2.337	17.0	20.0
3 12	8 35.03	+37 41.5	1.607	2.347	19.6	20.3

2734 Hašek 2 2.7 310°.36 7°.3/27.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 28.78	+38 56.2	2.298	3.133	11.1	16.7
1 12	9 22.39	+40 4.3	2.241	3.132	9.0	16.5
1 22	9 13.76	+41 2.2	2.210	3.131	7.6	16.4
2 1	9 3.76	+41 42.6	2.206	3.129	7.5	16.4
2 11	8 53.57	+42 0.5	2.229	3.128	8.8	16.5
2 21	8 44.35	+41 54.8	2.278	3.127	10.9	16.6
3 2	8 37.10	+41 27.3	2.350	3.126	13.1	16.8
3 12	8 32.46	+40 42.0	2.441	3.125	15.0	16.9

369446 2010 BF_{63} 2 2.7 29°.62 1°.5/ 1.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 2	9 27.17	+19 46.6	1.704	2.556	13.5	20.7
1 12	9 21.35	+20 7.4	1.639	2.560	9.7	20.4
1 22	9 13.22	+20 32.5	1.599	2.565	5.3	20.2
2 1	9 3.69	+20 56.8	1.586	2.570	1.6	20.0
2 11	8 53.98	+21 15.2	1.602	2.575	4.6	20.2
2 21	8 45.32	+21 24.3	1.645	2.581	8.9	20.4
3 2	8 38.73	+21 22.7	1.713	2.587	12.7	20.7
3 12	8 34.85	+21 10.5	1.802	2.593	16.0	20.9

232352 2002 VB_{143} 2 2.7 359°.62 3°.0/ 1.2 18

1 2	9 27.18	+20 23.0	1.130	2.004	17.3	20.0
1 12	9 22.36	+21 14.4	1.071	2.002	12.4	19.7
1 22	9 14.20	+22 14.1	1.032	2.000	7.0	19.4
2 1	9 3.86	+23 12.3	1.018	2.000	3.0	19.2
2 11	8 53.12	+23 59.0	1.028	2.000	6.8	19.4
2 21	8 43.84	+24 27.6	1.062	2.001	12.2	19.7
3 2	8 37.52	+24 35.8	1.118	2.003	17.1	20.0
3 12	8 34.97	+24 25.1	1.191	2.005	21.2	20.2

272855 2006 BM_{43} 2 2.7 342°.00 2°.1/ 1.3 18

1 2	9 25.36	+20 19.3	1.868	2.720	12.5	20.5
1 12	9 20.01	+21 5.5	1.797	2.718	8.9	20.2
1 22	9 12.49	+21 56.7	1.751	2.717	5.0	20.0
2 1	9 3.59	+22 46.9	1.733	2.715	2.1	19.8
2 11	8 54.42	+23 29.9	1.744	2.714	4.8	20.0
2 21	8 46.11	+24 1.4	1.783	2.713	8.8	20.2
3 2	8 39.65	+24 19.4	1.847	2.712	12.4	20.4
3 12	8 35.70	+24 23.7	1.933	2.712	15.5	20.6

375005 Newsome 2 2.7 266°.92 16°.9/14.8 17

1 2	9 24.89	−20 42.8	1.248	1.953	25.4	21.5
1 12	9 20.69	−21 32.1	1.169	1.944	23.1	21.3
1 22	9 13.38	−21 33.7	1.102	1.935	20.7	21.1
2 1	9 3.78	−20 37.3	1.052	1.926	18.4	20.9
2 11	8 53.40	−18 39.7	1.021	1.917	17.0	20.8
2 21	8 43.96	−15 47.2	1.010	1.907	17.2	20.7
3 2	8 37.05	−12 15.8	1.021	1.898	19.1	20.8
3 12	8 33.75	− 8 27.6	1.053	1.889	22.0	21.0

518147 2016 EW_{224} 2 2.7 195°.74 0°.2/ 2.5 17

1 2	9 26.31	+16 21.4	2.337	3.170	11.0	22.7
1 12	9 20.29	+16 42.0	2.257	3.168	7.9	22.5
1 22	9 12.50	+17 8.5	2.203	3.166	4.4	22.3
2 1	9 3.60	+17 37.3	2.178	3.163	0.6	22.0
2 11	8 54.47	+18 4.5	2.184	3.160	3.3	22.2
2 21	8 46.01	+18 27.1	2.220	3.156	6.9	22.4
3 2	8 39.03	+18 42.8	2.284	3.152	10.2	22.6
3 12	8 34.10	+18 50.6	2.370	3.148	13.0	22.8

278912 2008 TN_{149} 2 2.7 19°.74 1°.3/ 1.8 18

1 2	9 24.93	+18 27.7	1.947	2.794	12.3	20.6
1 12	9 19.60	+19 7.1	1.876	2.795	8.8	20.4
1 22	9 12.22	+19 52.5	1.830	2.796	4.8	20.2
2 1	9 3.56	+20 38.7	1.813	2.797	1.3	19.9
2 11	8 54.67	+21 20.3	1.825	2.798	4.2	20.1
2 21	8 46.60	+21 53.0	1.865	2.799	8.1	20.4
3 2	8 40.28	+22 14.3	1.931	2.801	11.7	20.6
3 12	8 36.33	+22 23.6	2.019	2.802	14.8	20.8

194760 2001 YW_{49} 2 2.7 101°.39 1°.2/ 2.0 18

1 2	9 31.16	+17 48.9	1.571	2.417	14.7	20.5
1 12	9 24.23	+18 26.9	1.518	2.436	10.5	20.3
1 22	9 14.81	+19 11.8	1.490	2.455	5.8	20.1
2 1	9 3.94	+19 57.0	1.489	2.473	1.3	19.8
2 11	8 53.01	+20 36.0	1.517	2.491	4.7	20.1
2 21	8 43.37	+21 4.4	1.573	2.508	9.2	20.4
3 2	8 36.08	+21 20.1	1.653	2.525	13.2	20.7
3 12	8 31.74	+21 23.4	1.755	2.541	16.5	20.9

285644 2000 ST_{18} 2 2.7 120°.82 1°.0/ 3.4 18

1 2	9 28.07	+13 6.4	2.199	3.024	11.9	21.2
1 12	9 21.46	+13 12.5	2.134	3.039	8.7	21.1
1 22	9 13.09	+13 26.4	2.095	3.054	5.0	20.9
2 1	9 3.68	+13 45.3	2.086	3.069	1.3	20.6
2 11	8 54.19	+14 5.8	2.107	3.083	3.2	20.8
2 21	8 45.54	+14 24.7	2.157	3.097	6.8	21.0
3 2	8 38.51	+14 39.8	2.236	3.110	10.2	21.3
3 12	8 33.63	+14 49.3	2.338	3.123	12.9	21.5

121198 1999 NB_{35} 2 2.7 189°.48 0°.6/ 3.2 17

1 2	9 26.60	+13 44.2	2.569	3.391	10.5	20.9
1 12	9 20.35	+13 55.8	2.485	3.390	7.6	20.7
1 22	9 12.48	+14 14.2	2.428	3.388	4.4	20.5
2 1	9 3.60	+14 36.6	2.402	3.385	1.0	20.2
2 11	8 54.52	+14 59.9	2.406	3.382	2.9	20.4
2 21	8 46.04	+15 21.4	2.441	3.379	6.3	20.6
3 2	8 38.89	+15 38.6	2.505	3.375	9.4	20.8
3 12	8 33.63	+15 50.2	2.592	3.370	12.0	20.9

4888 Doreen 2 2.7 245°.00 2°.9/ 1.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 2	9 29.29	+21 32.5	1.515	2.372	14.6	17.4
1 12	9 23.27	+22 18.3	1.447	2.371	10.5	17.1
1 22	9 14.49	+23 8.7	1.403	2.369	6.0	16.9
2 1	9 3.92	+23 56.1	1.386	2.367	2.9	16.7
2 11	8 53.02	+24 32.9	1.397	2.366	5.9	16.9
2 21	8 43.27	+24 54.5	1.434	2.364	10.4	17.1
3 2	8 35.91	+24 59.5	1.494	2.362	14.6	17.4
3 12	8 31.71	+24 48.9	1.575	2.360	18.2	17.6

46584 1992 RN_{6} 2 2.7 127°.45 4°.1/30.7 18

1 2	9 28.15	+28 47.3	2.335	3.179	10.6	19.3
1 12	9 21.63	+29 30.7	2.275	3.188	7.8	19.2
1 22	9 13.23	+30 10.5	2.242	3.196	5.2	19.0
2 1	9 3.72	+30 41.4	2.238	3.204	4.1	18.9
2 11	8 54.10	+30 59.0	2.263	3.212	5.8	19.1
2 21	8 45.37	+31 1.5	2.317	3.220	8.5	19.2
3 2	8 38.34	+30 49.2	2.397	3.227	11.2	19.4
3 12	8 33.58	+30 24.1	2.499	3.234	13.5	19.6

359056 2008 YN_{24} 2 2.7 350°.21 2°.9/ 3.9 18

1 2	9 23.74	+11 13.9	1.077	1.942	18.7	19.7
1 12	9 19.91	+10 53.7	1.010	1.932	14.0	19.3
1 22	9 12.89	+10 50.5	0.962	1.925	8.6	19.0
2 1	9 3.71	+11 2.1	0.936	1.918	3.4	18.7
2 11	8 54.04	+11 23.5	0.935	1.913	5.4	18.8
2 21	8 45.63	+11 48.7	0.956	1.910	11.0	19.1
3 2	8 39.99	+12 11.6	0.999	1.908	16.4	19.4
3 12	8 38.00	+12 27.5	1.059	1.908	20.9	19.7

370695 2004 HA_{61} 2 2.7 220°.28 2°.1/ 4.4 16

1 2	9 24.83	+ 7 45.5	2.295	3.106	12.0	22.7
1 12	9 19.33	+ 8 15.1	2.203	3.097	9.0	22.5
1 22	9 12.04	+ 8 58.4	2.136	3.087	5.6	22.2
2 1	9 3.56	+ 9 52.6	2.098	3.077	2.5	22.0
2 11	8 54.75	+10 53.4	2.091	3.066	3.4	22.1
2 21	8 46.49	+11 55.9	2.114	3.055	6.8	22.3
3 2	8 39.60	+12 55.4	2.164	3.043	10.2	22.5
3 12	8 34.72	+13 48.2	2.239	3.031	13.2	22.6

400228 2007 ER_{110} 2 2.7 246°.46 0°.5/ 2.4 18

1 2	9 28.02	+15 3.1	1.542	2.389	14.9	21.5
1 12	9 22.40	+15 49.5	1.461	2.379	10.8	21.2
1 22	9 14.08	+16 48.7	1.404	2.369	6.1	20.9
2 1	9 3.89	+17 54.7	1.375	2.359	0.9	20.5
2 11	8 53.18	+18 59.3	1.373	2.349	4.6	20.7
2 21	8 43.37	+19 55.6	1.398	2.338	9.8	21.0
3 2	8 35.76	+20 38.8	1.448	2.327	14.4	21.2
3 12	8 31.21	+21 6.9	1.518	2.315	18.2	21.5

162764 2000 WJ_{117} 2 2.7 109°.67 2°.0/ 1.6 18

1 2	9 31.72	+20 31.0	1.754	2.598	13.5	20.1
1 12	9 24.45	+21 6.5	1.701	2.618	9.6	19.9
1 22	9 14.87	+21 45.2	1.672	2.637	5.4	19.7
2 1	9 3.97	+22 21.0	1.673	2.655	2.0	19.5
2 11	8 53.04	+22 48.4	1.702	2.673	4.8	19.7
2 21	8 43.31	+23 4.1	1.761	2.690	8.9	20.0
3 2	8 35.78	+23 7.3	1.844	2.707	12.5	20.2
3 12	8 31.02	+22 58.8	1.949	2.723	15.6	20.5

329064 2011 AT_{74} 2 2.7 90°.82 6°.2/28.9 18

1 2	9 29.13	+31 3.6	1.860	2.712	12.6	20.6
1 12	9 22.80	+32 39.1	1.816	2.729	9.4	20.4
1 22	9 14.05	+34 8.9	1.798	2.745	6.9	20.3
2 1	9 3.86	+35 23.9	1.808	2.761	6.4	20.3
2 11	8 53.51	+36 16.9	1.846	2.778	8.3	20.4
2 21	8 44.30	+36 45.3	1.911	2.793	11.1	20.6
3 2	8 37.28	+36 50.1	1.998	2.809	13.8	20.8
3 12	8 33.08	+36 34.9	2.105	2.824	16.2	21.0

147455 2004 BK_{20} 2 2.7 83°.91 2°.5/ 1.6 17

1 2	9 33.62	+20 15.4	1.267	2.125	16.8	19.3
1 12	9 26.39	+20 57.4	1.223	2.146	12.0	19.1
1 22	9 16.14	+21 44.4	1.201	2.167	6.6	18.9
2 1	9 4.16	+22 27.9	1.205	2.188	2.5	18.7
2 11	8 52.22	+23 0.0	1.236	2.208	5.9	18.9
2 21	8 41.99	+23 16.7	1.293	2.228	10.9	19.3
3 2	8 34.68	+23 17.3	1.373	2.248	15.3	19.6
3 12	8 30.88	+23 3.8	1.473	2.267	18.8	19.9

73019 2002 ES_{66} 2 2.7 220°.25 0°.3/ 2.9 18

1 2	9 28.36	+14 11.9	1.922	2.756	13.0	20.7
1 12	9 22.17	+14 37.8	1.837	2.747	9.5	20.4
1 22	9 13.75	+15 13.6	1.777	2.739	5.4	20.2
2 1	9 3.84	+15 55.0	1.745	2.729	0.9	19.8
2 11	8 53.54	+16 36.8	1.743	2.719	3.7	20.0
2 21	8 44.00	+17 14.4	1.770	2.709	8.1	20.3
3 2	8 36.24	+17 44.3	1.823	2.698	12.1	20.5
3 12	8 31.00	+18 4.5	1.899	2.686	15.4	20.7

140271 2001 SF_{272} 2 2.7 143°.52 2°.5/ 4.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 2	9 22.82	+ 6 17.3	2.732	3.532	10.5	20.4
1 12	9 17.54	+ 6 28.2	2.655	3.541	8.0	20.2
1 22	9 10.88	+ 6 50.2	2.604	3.548	5.2	20.1
2 1	9 3.40	+ 7 21.5	2.582	3.556	2.8	19.9
2 11	8 55.77	+ 7 59.5	2.591	3.563	3.2	19.9
2 21	8 48.69	+ 8 40.6	2.630	3.570	5.7	20.1
3 2	8 42.77	+ 9 21.6	2.697	3.576	8.5	20.3
3 12	8 38.47	+ 9 59.4	2.790	3.582	10.9	20.5

10098 1991 SC_{1} 2 2.7 146°.05 4°.4/30.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 26.97	+29 49.8	2.403	3.248	10.3	18.0
1 12	9 20.83	+30 44.9	2.341	3.253	7.7	17.9
1 22	9 12.82	+31 36.3	2.306	3.257	5.3	17.7
2 1	9 3.69	+32 18.3	2.300	3.262	4.5	17.7
2 11	8 54.39	+32 46.2	2.324	3.266	6.1	17.8
2 21	8 45.90	+32 57.8	2.375	3.270	8.7	17.9
3 2	8 39.05	+32 53.2	2.453	3.273	11.2	18.1
3 12	8 34.40	+32 34.3	2.551	3.277	13.5	18.3

379767 2011 HH_{20} 2 2.7 182°.51 1°.1/ 1.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 25.44	+18 37.3	2.256	3.096	11.1	21.3
1 12	9 19.75	+19 12.3	2.181	3.097	7.9	21.1
1 22	9 12.24	+19 52.2	2.132	3.097	4.4	20.9
2 1	9 3.61	+20 32.6	2.113	3.097	1.2	20.7
2 11	8 54.76	+21 8.8	2.124	3.096	3.7	20.8
2 21	8 46.61	+21 37.3	2.164	3.096	7.3	21.1
3 2	8 40.00	+21 56.2	2.231	3.095	10.6	21.3
3 12	8 35.49	+22 4.6	2.320	3.094	13.4	21.5

310417 1999 TK_{293} 2 2.7 84°.73 1°.9/ 3.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 29.13	+10 29.2	1.626	2.456	15.1	20.5
1 12	9 22.65	+10 39.6	1.572	2.478	11.1	20.3
1 22	9 13.90	+11 3.5	1.541	2.499	6.6	20.1
2 1	9 3.85	+11 37.1	1.538	2.520	2.4	19.9
2 11	8 53.76	+12 15.2	1.563	2.540	4.0	20.1
2 21	8 44.83	+12 52.7	1.617	2.561	8.3	20.4
3 2	8 38.03	+13 25.4	1.696	2.581	12.2	20.6
3 12	8 33.94	+13 50.6	1.796	2.600	15.5	20.9

269268 2008 RP_{69} 2 2.7 267°.38 2°.1/ 4.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 24.38	+ 9 18.0	2.007	2.831	12.9	20.9
1 12	9 19.17	+ 9 29.9	1.924	2.826	9.7	20.7
1 22	9 12.02	+ 9 54.5	1.865	2.820	6.0	20.5
2 1	9 3.59	+10 29.5	1.834	2.815	2.5	20.2
2 11	8 54.86	+11 10.8	1.833	2.809	3.6	20.3
2 21	8 46.82	+11 53.8	1.859	2.803	7.4	20.5
3 2	8 40.37	+12 34.2	1.913	2.798	11.1	20.7
3 12	8 36.15	+13 8.6	1.989	2.792	14.3	20.9

403837 2011 UR_{253} 2 2.7 185°.52 0°.6/ 2.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 28.25	+15 52.3	1.920	2.757	12.9	22.1
1 12	9 22.04	+16 37.2	1.844	2.757	9.2	21.8
1 22	9 13.65	+17 31.0	1.793	2.757	5.1	21.6
2 1	9 3.84	+18 28.4	1.771	2.756	0.8	21.3
2 11	8 53.72	+19 23.1	1.780	2.755	4.0	21.5
2 21	8 44.42	+20 10.1	1.817	2.752	8.2	21.8
3 2	8 36.94	+20 46.0	1.881	2.749	12.0	22.0
3 12	8 31.98	+21 9.6	1.966	2.746	15.2	22.2

126862 2002 EP_{83} 2 2.7 106°.55 2°.2/ 1.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 27.45	+21 35.8	2.019	2.866	11.9	19.6
1 12	9 21.28	+22 16.0	1.958	2.877	8.5	19.4
1 22	9 13.12	+22 58.6	1.923	2.887	4.8	19.2
2 1	9 3.75	+23 38.2	1.917	2.898	2.2	19.1
2 11	8 54.26	+24 9.7	1.940	2.908	4.6	19.3
2 21	8 45.70	+24 29.8	1.992	2.918	8.2	19.5
3 2	8 38.94	+24 37.3	2.070	2.928	11.5	19.7
3 12	8 34.57	+24 32.9	2.170	2.938	14.3	19.9

117462 2005 BK_{3} 2 2.7 340°.89 5°.9/29.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 27.04	+31 3.1	1.879	2.733	12.3	19.5
1 12	9 21.41	+32 13.6	1.816	2.730	9.3	19.3
1 22	9 13.37	+33 19.6	1.778	2.727	6.7	19.1
2 1	9 3.81	+34 13.0	1.767	2.725	6.0	19.1
2 11	8 53.96	+34 47.1	1.784	2.723	8.0	19.2
2 21	8 45.11	+34 59.0	1.828	2.720	10.9	19.4
3 2	8 38.34	+34 49.4	1.894	2.719	13.9	19.6
3 12	8 34.34	+34 21.2	1.980	2.717	16.5	19.7

77810 2001 QL_{130} 2 2.7 329°.31 4°.0/ 5.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 22.98	+ 3 45.9	2.190	2.990	12.8	19.0
1 12	9 18.00	+ 3 40.1	2.107	2.989	10.0	18.8
1 22	9 11.30	+ 3 49.4	2.049	2.987	6.9	18.6
2 1	9 3.50	+ 4 13.0	2.019	2.986	4.4	18.5
2 11	8 55.46	+ 4 47.9	2.017	2.984	4.5	18.5
2 21	8 48.04	+ 5 30.4	2.043	2.983	7.1	18.6
3 2	8 42.04	+ 6 15.8	2.097	2.982	10.2	18.8
3 12	8 38.04	+ 6 59.7	2.174	2.981	13.1	19.0

265816 2005 XV_{64} 2 2.7 97°.13 1°.8/ 1.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 2	9 28.13	+19 27.0	2.139	2.979	11.6	20.8
1 12	9 21.57	+20 28.3	2.091	3.007	8.2	20.7
1 22	9 13.18	+21 33.4	2.071	3.035	4.5	20.5
2 1	9 3.76	+22 36.3	2.079	3.061	1.8	20.3
2 11	8 54.31	+23 31.4	2.119	3.088	4.2	20.6
2 21	8 45.79	+24 14.8	2.188	3.113	7.7	20.8
3 2	8 39.01	+24 44.8	2.284	3.138	10.8	21.1
3 12	8 34.46	+25 1.7	2.403	3.163	13.3	21.3

50736 2000 EA_{154} 2 2.7 154°.62 4°.0/30.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 29.79	+26 57.9	2.142	2.986	11.4	18.9
1 12	9 22.99	+27 54.5	2.080	2.994	8.3	18.7
1 22	9 14.09	+28 49.4	2.044	3.001	5.3	18.6
2 1	9 3.91	+29 36.0	2.038	3.007	4.0	18.5
2 11	8 53.56	+30 8.9	2.061	3.013	6.0	18.6
2 21	8 44.13	+30 25.3	2.113	3.018	9.0	18.8
3 2	8 36.56	+30 25.3	2.190	3.023	12.0	19.0
3 12	8 31.46	+30 10.6	2.289	3.027	14.5	19.2

63984 2001 SP_{105} 2 2.7 309°.11 2°.9/ 1.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 30.59	+22 19.3	1.315	2.178	16.0	18.6
1 12	9 24.67	+22 41.7	1.241	2.166	11.6	18.3
1 22	9 15.52	+23 7.2	1.189	2.155	6.7	17.9
2 1	9 4.18	+23 28.4	1.162	2.144	3.0	17.7
2 11	8 52.33	+23 38.3	1.162	2.133	6.3	17.9
2 21	8 41.74	+23 32.7	1.187	2.123	11.5	18.1
3 2	8 33.92	+23 11.4	1.235	2.113	16.3	18.4
3 12	8 29.75	+22 36.4	1.301	2.104	20.4	18.6

144606 2004 FF_{50} 2 2.7 202°.99 3°.3/30.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 26.45	+28 55.9	3.022	3.860	8.7	20.6
1 12	9 20.17	+29 30.8	2.946	3.855	6.4	20.5
1 22	9 12.39	+30 2.9	2.897	3.850	4.2	20.3
2 1	9 3.67	+30 28.1	2.879	3.844	3.4	20.2
2 11	8 54.79	+30 43.0	2.891	3.839	4.8	20.3
2 21	8 46.50	+30 46.0	2.934	3.832	7.0	20.5
3 2	8 39.49	+30 36.9	3.003	3.826	9.4	20.6
3 12	8 34.26	+30 16.9	3.095	3.819	11.4	20.8

327024 2004 RO_{225} 2 2.7 151°.71 3°.4/31.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 29.94	+27 3.6	2.427	3.266	10.4	21.5
1 12	9 22.85	+27 38.3	2.363	3.275	7.6	21.3
1 22	9 13.91	+28 10.5	2.326	3.283	4.8	21.1
2 1	9 3.90	+28 35.1	2.319	3.291	3.4	21.0
2 11	8 53.79	+28 48.4	2.343	3.298	5.1	21.2
2 21	8 44.54	+28 48.5	2.396	3.304	8.0	21.4
3 2	8 36.96	+28 35.6	2.475	3.310	10.7	21.5
3 12	8 31.59	+28 11.3	2.578	3.316	13.1	21.7

9683 Rambaldo 2 2.7 71°.43 4°.0/ 4.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 28.45	+ 6 2.3	1.332	2.162	17.9	18.5
1 12	9 22.57	+ 6 7.3	1.279	2.180	13.5	18.3
1 22	9 14.04	+ 6 33.8	1.247	2.198	8.7	18.1
2 1	9 3.94	+ 7 18.6	1.239	2.216	4.6	17.9
2 11	8 53.72	+ 8 15.3	1.259	2.234	5.2	18.0
2 21	8 44.80	+ 9 16.3	1.304	2.251	9.5	18.3
3 2	8 38.34	+10 14.4	1.374	2.269	13.8	18.6
3 12	8 34.96	+11 4.4	1.464	2.287	17.5	18.8

110438 2001 TG_{29} 2 2.7 135°.01 5°.0/ 6.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 25.84	+ 0 24.9	2.155	2.936	13.6	20.1
1 12	9 20.00	+ 0 16.5	2.082	2.947	10.8	19.9
1 22	9 12.39	+ 0 25.7	2.032	2.957	7.9	19.8
2 1	9 3.69	+ 0 52.1	2.010	2.967	5.5	19.6
2 11	8 54.81	+ 1 32.8	2.017	2.977	5.3	19.6
2 21	8 46.66	+ 2 23.4	2.052	2.986	7.5	19.8
3 2	8 40.03	+ 3 18.7	2.115	2.994	10.4	20.0
3 12	8 35.48	+ 4 13.6	2.201	3.002	13.1	20.2

401548 2013 EF_{123} 2 2.7 47°.50 2°.6/ 4.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 25.88	+ 8 23.8	1.392	2.231	16.7	20.8
1 12	9 20.79	+ 8 45.5	1.329	2.238	12.5	20.5
1 22	9 13.12	+ 9 26.5	1.289	2.246	7.7	20.3
2 1	9 3.83	+10 22.7	1.274	2.254	3.2	20.0
2 11	8 54.27	+11 27.0	1.285	2.263	4.5	20.1
2 21	8 45.85	+12 31.8	1.323	2.272	9.3	20.4
3 2	8 39.71	+13 30.4	1.385	2.281	13.7	20.7
3 12	8 36.55	+14 18.2	1.468	2.290	17.5	21.0

354153 2002 CQ_{143} 2 2.7 337°.82 1°.3/ 3.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 25.06	+12 52.5	1.199	2.059	17.4	20.8
1 12	9 20.75	+12 58.5	1.126	2.048	12.9	20.5
1 22	9 13.38	+13 20.1	1.074	2.039	7.5	20.1
2 1	9 3.91	+13 53.1	1.046	2.030	2.0	19.8
2 11	8 53.89	+14 31.1	1.043	2.022	4.9	19.9
2 21	8 45.02	+15 7.1	1.064	2.014	10.6	20.2
3 2	8 38.75	+15 35.7	1.107	2.008	15.9	20.5
3 12	8 35.97	+15 53.3	1.169	2.003	20.3	20.8

66846 Frankleder 2 2.7 240.°95 11.°4/13.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 2	9 24.73	−25 21.5	2.803	3.382	14.8	19.8
1 12	9 19.24	−26 12.9	2.700	3.364	13.8	19.7
1 22	9 12.06	−26 39.8	2.613	3.346	12.8	19.6
2 1	9 3.69	−26 38.0	2.547	3.327	11.9	19.5
2 11	8 54.91	−26 5.9	2.503	3.307	11.4	19.4
2 21	8 46.51	−25 4.9	2.483	3.286	11.6	19.4
3 2	8 39.30	−23 39.1	2.486	3.265	12.3	19.4
3 12	8 33.91	−21 55.5	2.511	3.243	13.5	19.4

488818 2005 MM_{27} 2 2.7 174.°88 0.°3/ 2.5 17

1 2	9 26.68	+15 15.7	2.381	3.210	11.0	22.4
1 12	9 20.58	+15 57.5	2.304	3.213	7.9	22.2
1 22	9 12.73	+16 46.6	2.253	3.216	4.4	22.0
2 1	9 3.78	+17 38.9	2.233	3.218	0.6	21.7
2 11	8 54.61	+18 29.7	2.244	3.219	3.2	21.9
2 21	8 46.08	+19 14.8	2.285	3.219	6.8	22.1
3 2	8 39.01	+19 51.4	2.354	3.219	10.1	22.3
3 12	8 33.95	+20 18.1	2.447	3.218	12.8	22.5

93220 2000 SA_{135} 2 2.7 228.°11 5.°7/ 6.9 17 R

1 2	9 24.66	− 1 34.5	2.217	2.989	13.6	20.3
1 12	9 19.28	− 1 47.7	2.125	2.981	11.1	20.1
1 22	9 12.09	− 1 42.3	2.055	2.972	8.3	19.9
2 1	9 3.70	− 1 18.0	2.013	2.962	6.2	19.8
2 11	8 54.95	− 0 36.8	1.998	2.952	5.9	19.7
2 21	8 46.77	+ 0 17.3	2.012	2.942	7.9	19.8
3 2	8 39.98	+ 1 19.0	2.053	2.932	10.7	20.0
3 12	8 35.23	+ 2 22.5	2.118	2.921	13.5	20.1

265757 2005 VM_{96} 2 2.8 92.°49 0.°4/ 2.9 18

1 2	9 26.76	+14 30.7	1.848	2.687	13.2	20.7
1 12	9 20.96	+14 47.9	1.779	2.692	9.6	20.5
1 22	9 13.05	+15 14.0	1.734	2.697	5.4	20.3
2 1	9 3.83	+15 45.1	1.718	2.702	1.0	20.0
2 11	8 54.42	+16 16.3	1.731	2.708	3.6	20.2
2 21	8 45.90	+16 43.6	1.771	2.713	7.9	20.5
3 2	8 39.23	+17 4.0	1.838	2.718	11.7	20.7
3 12	8 35.03	+17 15.9	1.927	2.723	14.9	20.9

291553 2006 EW_{72} 2 2.8 73.°82 3.°2/ 4.8 18

1 2	9 27.13	+ 6 13.1	1.435	2.263	16.9	20.6
1 12	9 21.51	+ 6 42.7	1.380	2.282	12.7	20.3
1 22	9 13.44	+ 7 33.3	1.348	2.300	8.0	20.1
2 1	9 3.90	+ 8 40.4	1.341	2.319	3.8	19.9
2 11	8 54.22	+ 9 56.7	1.362	2.338	4.6	20.0
2 21	8 45.74	+11 13.9	1.409	2.357	8.9	20.3
3 2	8 39.52	+12 24.7	1.482	2.375	13.2	20.6
3 12	8 36.17	+13 24.3	1.576	2.393	16.7	20.9

160777 2000 SL_{243} 2 2.8 214.°49 2.°7/31.9 18

1 2	9 30.57	+22 7.3	1.922	2.766	12.6	20.8
1 12	9 23.88	+22 56.7	1.842	2.758	9.0	20.5
1 22	9 14.80	+23 49.7	1.787	2.750	5.2	20.3
2 1	9 4.12	+24 39.5	1.761	2.741	2.7	20.1
2 11	8 53.04	+25 19.9	1.765	2.731	5.3	20.3
2 21	8 42.81	+25 46.5	1.798	2.721	9.2	20.5
3 2	8 34.52	+25 57.7	1.857	2.709	12.9	20.7
3 12	8 28.94	+25 54.5	1.936	2.697	16.1	20.9

383759 2007 VY_{217} 2 2.8 67.°08 0.°7/ 3.3 18

1 2	9 24.71	+13 5.9	2.161	2.993	11.9	21.7
1 12	9 19.12	+13 27.7	2.105	3.014	8.6	21.5
1 22	9 11.86	+13 58.1	2.075	3.036	4.9	21.3
2 1	9 3.65	+14 33.4	2.074	3.058	1.1	21.1
2 11	8 55.38	+15 9.5	2.102	3.079	3.1	21.3
2 21	8 47.94	+15 42.8	2.160	3.101	6.7	21.5
3 2	8 42.06	+16 10.3	2.244	3.122	10.0	21.8
3 12	8 38.22	+16 30.4	2.352	3.144	12.7	22.0

185261 2006 UC_{120} 2 2.8 5.°99 3.°3/ 4.7 18

1 2	9 24.55	+ 7 27.7	1.491	2.325	16.1	20.6
1 12	9 19.78	+ 7 33.7	1.421	2.325	12.2	20.3
1 22	9 12.57	+ 7 58.2	1.372	2.326	7.8	20.1
2 1	9 3.78	+ 8 38.7	1.349	2.327	3.8	19.8
2 11	8 54.67	+ 9 29.8	1.352	2.328	4.7	19.9
2 21	8 46.52	+10 24.9	1.382	2.330	9.0	20.1
3 2	8 40.47	+11 17.7	1.436	2.333	13.3	20.4
3 12	8 37.23	+12 3.2	1.512	2.335	17.0	20.6

292575 2006 TW_{84} 2 2.8 212.°33 2.°4/31.6 17

1 2	9 25.14	+24 31.0	2.854	3.694	9.0	21.7
1 12	9 19.33	+25 5.2	2.774	3.688	6.5	21.5
1 22	9 11.98	+25 39.5	2.721	3.682	3.9	21.4
2 1	9 3.68	+26 9.8	2.699	3.675	2.4	21.2
2 11	8 55.19	+26 32.6	2.707	3.668	4.1	21.4
2 21	8 47.26	+26 45.7	2.746	3.661	6.8	21.5
3 2	8 40.58	+26 48.2	2.812	3.654	9.4	21.7
3 12	8 35.68	+26 40.5	2.901	3.646	11.6	21.8

413567 2005 TY_{91} 2 2.8 27.°93 11.°2/29.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 2	9 41.45	+44 46.1	1.537	2.365	16.0	19.7
1 12	9 32.25	+45 29.5	1.493	2.371	13.5	19.5
1 22	9 19.48	+45 50.3	1.471	2.378	11.7	19.4
2 1	9 4.79	+45 38.0	1.473	2.386	11.3	19.4
2 11	8 50.42	+44 48.4	1.500	2.395	12.6	19.5
2 21	8 38.35	+43 24.9	1.550	2.404	14.9	19.7
3 2	8 29.87	+41 35.7	1.622	2.413	17.4	19.9
3 12	8 25.46	+39 30.8	1.713	2.423	19.6	20.1

208493 2001 VH_{81} 2 2.8 72.°78 2.°6/ 5.1 18

1 2	9 22.00	+ 5 57.3	2.298	3.108	12.0	20.0
1 12	9 17.21	+ 6 24.2	2.226	3.117	9.1	19.8
1 22	9 10.85	+ 7 5.1	2.179	3.126	5.9	19.6
2 1	9 3.52	+ 7 57.6	2.160	3.135	3.0	19.5
2 11	8 56.03	+ 8 57.5	2.170	3.145	3.4	19.5
2 21	8 49.17	+ 9 59.8	2.211	3.154	6.4	19.7
3 2	8 43.67	+11 0.0	2.278	3.163	9.5	19.9
3 12	8 40.02	+11 54.4	2.370	3.173	12.3	20.1

344820 2004 ES_5 2 2.8 334.°48 5.°3/30.3 18

1 2	9 26.75	+29 50.8	1.865	2.721	12.3	19.9
1 12	9 21.24	+30 38.4	1.794	2.711	9.2	19.7
1 22	9 13.34	+31 22.1	1.748	2.702	6.4	19.5
2 1	9 3.92	+31 54.8	1.728	2.693	5.3	19.4
2 11	8 54.20	+32 10.6	1.737	2.685	7.3	19.5
2 21	8 45.45	+32 7.0	1.771	2.677	10.5	19.6
3 2	8 38.74	+31 44.4	1.830	2.669	13.7	19.8
3 12	8 34.78	+31 5.6	1.908	2.663	16.5	20.0

460221 2014 QM_{205} 2 2.8 47.°68 1.°4/ 3.5 18

1 2	9 26.83	+11 53.1	1.428	2.274	16.0	21.5
1 12	9 21.37	+12 9.0	1.372	2.287	11.7	21.3
1 22	9 13.40	+12 39.0	1.338	2.300	6.8	21.1
2 1	9 3.92	+13 18.7	1.330	2.314	2.0	20.8
2 11	8 54.30	+14 1.7	1.350	2.328	4.2	21.0
2 21	8 45.89	+14 42.2	1.396	2.342	9.0	21.3
3 2	8 39.76	+15 15.5	1.466	2.357	13.4	21.6
3 12	8 36.56	+15 39.0	1.556	2.372	17.0	21.8

130845 2000 UQ_{62} 2 2.8 99.°10 1.°8/ 3.7 18

1 2	9 30.22	+11 23.3	1.614	2.446	15.2	18.9
1 12	9 23.54	+11 27.5	1.555	2.462	11.1	18.7
1 22	9 14.51	+11 44.0	1.520	2.478	6.6	18.5
2 1	9 4.09	+12 9.5	1.512	2.494	2.2	18.2
2 11	8 53.57	+12 39.2	1.533	2.510	4.0	18.4
2 21	8 44.20	+13 8.2	1.581	2.525	8.5	18.7
3 2	8 37.01	+13 32.9	1.656	2.540	12.5	19.0
3 12	8 32.62	+13 50.7	1.751	2.554	15.9	19.2

341392 2007 TA_{134} 2 2.8 126.°71 2.°4/31.8 18

1 2	9 25.50	+23 13.9	2.519	3.362	10.0	21.3
1 12	9 19.65	+23 56.1	2.456	3.372	7.1	21.1
1 22	9 12.18	+24 39.2	2.419	3.381	4.1	20.9
2 1	9 3.73	+25 18.5	2.412	3.391	2.4	20.8
2 11	8 55.16	+25 49.9	2.436	3.400	4.3	21.0
2 21	8 47.30	+26 10.8	2.489	3.408	7.2	21.2
3 2	8 40.87	+26 20.1	2.569	3.417	10.0	21.4
3 12	8 36.40	+26 18.3	2.672	3.425	12.3	21.5

367374 2008 GK_{82} 2 2.8 166.°71 2.°8/31.5 18

1 2	9 27.46	+23 1.6	2.234	3.078	11.0	21.8
1 12	9 21.30	+24 0.6	2.165	3.082	7.9	21.6
1 22	9 13.21	+25 1.6	2.124	3.086	4.6	21.4
2 1	9 3.91	+25 58.6	2.112	3.089	2.8	21.3
2 11	8 54.37	+26 46.0	2.130	3.092	4.9	21.4
2 21	8 45.61	+27 20.3	2.177	3.094	8.2	21.6
3 2	8 38.48	+27 39.9	2.251	3.095	11.3	21.8
3 12	8 33.61	+27 45.5	2.347	3.097	13.9	22.0

118860 2000 SW_{318} 2 2.8 59.°89 3.°0/ 4.4 18

1 2	9 30.60	+ 9 14.8	1.663	2.486	15.2	18.8
1 12	9 23.55	+ 8 50.9	1.617	2.516	11.3	18.6
1 22	9 14.38	+ 8 40.2	1.594	2.547	7.1	18.5
2 1	9 4.07	+ 8 40.8	1.599	2.577	3.4	18.3
2 11	8 53.86	+ 8 49.5	1.633	2.607	4.3	18.4
2 21	8 44.89	+ 9 2.6	1.695	2.637	8.1	18.7
3 2	8 38.06	+ 9 16.4	1.783	2.668	11.7	19.0
3 12	8 33.85	+ 9 28.0	1.892	2.697	14.8	19.3

109089 2001 QT_{29} 2 2.8 95.°05 5.°4/ 7.2 18

1 2	9 24.82	− 1 24.4	1.923	2.704	15.0	19.5
1 12	9 19.44	− 1 10.1	1.857	2.721	12.0	19.3
1 22	9 12.17	− 0 33.5	1.813	2.737	8.7	19.2
2 1	9 3.76	+ 0 23.8	1.796	2.753	6.0	19.0
2 11	8 55.20	+ 1 37.4	1.808	2.769	5.7	19.1
2 21	8 47.46	+ 3 0.7	1.847	2.785	7.9	19.2
3 2	8 41.39	+ 4 26.6	1.914	2.800	11.0	19.4
3 12	8 37.54	+ 5 48.6	2.004	2.815	13.9	19.7

32238 2000 ON_{37} 2 2.8 93°.78 3°.8/ 6.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 2	9 22.51	+ 1 29.8	2.501	3.285	11.9	19.2
1 12	9 17.43	+ 1 43.1	2.432	3.302	9.3	19.0
1 22	9 10.92	+ 2 11.8	2.389	3.319	6.5	18.9
2 1	9 3.57	+ 2 54.2	2.373	3.335	4.3	18.8
2 11	8 56.10	+ 3 47.2	2.387	3.352	4.2	18.8
2 21	8 49.26	+ 4 46.3	2.430	3.368	6.3	18.9
3 2	8 43.67	+ 5 47.2	2.502	3.384	8.9	19.1
3 12	8 39.80	+ 6 45.4	2.598	3.399	11.3	19.3

246742 2009 BQ_{78} 2 2.8 278°.64 0°.7/ 2.6 18

1 2	9 38.21	+20 33.7	1.636	2.473	14.7	19.9
1 12	9 29.85	+20 0.6	1.538	2.451	10.8	19.6
1 22	9 18.38	+19 26.4	1.464	2.427	6.1	19.2
2 1	9 4.76	+18 47.3	1.419	2.404	1.1	18.8
2 11	8 50.50	+18 1.0	1.404	2.380	4.7	19.0
2 21	8 37.25	+17 7.0	1.419	2.356	9.9	19.3
3 2	8 26.48	+16 7.1	1.460	2.331	14.7	19.5
3 12	8 19.11	+15 3.5	1.522	2.307	18.7	19.7

378968 2008 UC_{226} 2 2.8 27°.79 2°.9/ 4.3 18

1 2	9 26.41	+10 0.1	1.662	2.495	14.8	19.7
1 12	9 20.79	+ 9 33.6	1.600	2.505	11.0	19.5
1 22	9 12.99	+ 9 19.4	1.562	2.516	6.9	19.3
2 1	9 3.89	+ 9 15.9	1.549	2.528	3.3	19.1
2 11	8 54.67	+ 9 20.5	1.565	2.541	4.3	19.2
2 21	8 46.48	+ 9 29.5	1.608	2.554	8.2	19.4
3 2	8 40.27	+ 9 39.7	1.677	2.567	12.0	19.7
3 12	8 36.63	+ 9 47.7	1.767	2.582	15.3	19.9

428949 2008 YV_{8} 2 2.8 99°.45 1°.2/ 2.0 18

1 2	9 29.22	+20 37.3	2.355	3.191	10.9	21.4
1 12	9 22.26	+20 41.5	2.294	3.207	7.7	21.2
1 22	9 13.59	+20 47.2	2.260	3.223	4.3	21.0
2 1	9 3.97	+20 51.0	2.255	3.239	1.2	20.8
2 11	8 54.34	+20 50.1	2.282	3.254	3.5	21.0
2 21	8 45.58	+20 42.7	2.338	3.269	6.9	21.2
3 2	8 38.44	+20 28.5	2.422	3.284	10.0	21.4
3 12	8 33.42	+20 7.6	2.530	3.299	12.5	21.7

122393 2000 QG_{77} 2 2.8 77°.53 3°.6/ 5.7 18

1 2	9 24.36	+ 3 4.5	1.841	2.646	14.7	19.6
1 12	9 19.17	+ 3 42.8	1.778	2.664	11.3	19.4
1 22	9 12.05	+ 4 41.2	1.739	2.681	7.5	19.2
2 1	9 3.76	+ 5 56.4	1.727	2.699	4.2	19.0
2 11	8 55.32	+ 7 22.2	1.743	2.716	4.3	19.1
2 21	8 47.75	+ 8 51.4	1.789	2.734	7.6	19.3
3 2	8 41.90	+10 16.9	1.862	2.751	11.1	19.5
3 12	8 38.34	+11 33.5	1.958	2.768	14.2	19.8

3358 Anikushin 2 2.8 50°.63 0°.3/ 2.9 18

1 2	9 24.25	+14 8.1	1.968	2.807	12.5	17.1
1 12	9 18.98	+14 37.3	1.912	2.825	9.0	16.9
1 22	9 11.89	+15 15.3	1.881	2.844	5.0	16.7
2 1	9 3.74	+15 57.8	1.879	2.863	0.9	16.4
2 11	8 55.51	+16 39.8	1.906	2.883	3.4	16.6
2 21	8 48.16	+17 17.2	1.961	2.903	7.3	16.9
3 2	8 42.49	+17 47.0	2.043	2.922	10.7	17.2
3 12	8 39.01	+18 7.4	2.147	2.942	13.6	17.4

199608 2006 FK_{35} 2 2.8 5°.43 6°.0/29.5 18

1 2	9 27.76	+31 21.7	1.859	2.713	12.5	19.6
1 12	9 21.98	+32 29.9	1.799	2.713	9.4	19.4
1 22	9 13.77	+33 33.2	1.764	2.713	6.8	19.2
2 1	9 4.05	+34 23.1	1.757	2.714	6.1	19.2
2 11	8 54.08	+34 53.3	1.777	2.715	8.0	19.3
2 21	8 45.15	+35 1.1	1.823	2.716	11.0	19.5
3 2	8 38.36	+34 47.5	1.892	2.717	13.9	19.7
3 12	8 34.36	+34 15.8	1.981	2.718	16.5	19.8

185395 2006 WZ_{70} 2 2.8 8°.90 1°.2/ 2.1 18

1 2	9 26.70	+18 7.1	1.493	2.350	14.8	20.4
1 12	9 21.41	+18 36.6	1.427	2.350	10.6	20.1
1 22	9 13.54	+19 13.9	1.385	2.351	5.9	19.8
2 1	9 4.02	+19 52.7	1.369	2.353	1.4	19.5
2 11	8 54.22	+20 26.7	1.380	2.355	4.8	19.8
2 21	8 45.53	+20 50.9	1.417	2.357	9.6	20.1
3 2	8 39.10	+21 2.7	1.479	2.360	13.9	20.3
3 12	8 35.65	+21 1.8	1.561	2.364	17.5	20.6

252247 2001 QO_{88} 2 2.8 187°.13 0°.0/ 2.7 18

1 2	9 27.43	+15 1.7	2.013	2.848	12.5	22.0
1 12	9 21.40	+15 26.8	1.936	2.848	9.0	21.8
1 22	9 13.34	+16 0.2	1.885	2.847	5.1	21.6
2 1	9 3.98	+16 37.8	1.862	2.846	0.8	21.3
2 11	8 54.36	+17 14.8	1.869	2.845	3.5	21.5
2 21	8 45.51	+17 46.9	1.905	2.843	7.7	21.7
3 2	8 38.38	+18 11.4	1.967	2.841	11.3	21.9
3 12	8 33.59	+18 26.7	2.052	2.839	14.5	22.1

413895 2006 VW_{143} 2 2.8 109°.44 5°.7/ 6.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 2	9 28.98	+ 1 31.6	1.875	2.664	15.1	21.0
1 12	9 22.46	+ 0 52.4	1.807	2.677	12.0	20.8
1 22	9 13.89	+ 0 31.0	1.762	2.689	8.7	20.7
2 1	9 4.06	+ 0 27.8	1.744	2.702	6.1	20.5
2 11	8 54.07	+ 0 41.0	1.755	2.714	6.1	20.6
2 21	8 44.97	+ 1 6.8	1.793	2.725	8.6	20.7
3 2	8 37.70	+ 1 40.3	1.858	2.737	11.7	20.9
3 12	8 32.86	+ 2 16.2	1.945	2.748	14.6	21.2

205784 2002 CV_{90} 2 2.8 316°.33 1°.2/ 2.2 18

1 2	9 28.89	+18 23.0	1.394	2.251	15.6	19.9
1 12	9 23.26	+18 40.9	1.320	2.243	11.3	19.7
1 22	9 14.71	+19 6.2	1.269	2.236	6.3	19.4
2 1	9 4.22	+19 33.2	1.244	2.228	1.4	19.0
2 11	8 53.29	+19 55.4	1.246	2.221	5.1	19.2
2 21	8 43.49	+20 8.0	1.273	2.215	10.3	19.5
3 2	8 36.18	+20 8.8	1.324	2.208	15.0	19.8
3 12	8 32.17	+19 57.7	1.395	2.203	19.0	20.0

296113 2009 BT_{53} 2 2.8 275°.60 0°.9/ 2.1 17

1 2	9 24.04	+17 58.4	2.327	3.168	10.8	21.3
1 12	9 18.84	+18 29.7	2.242	3.158	7.7	21.1
1 22	9 11.88	+19 6.5	2.183	3.147	4.3	20.9
2 1	9 3.77	+19 44.8	2.152	3.137	1.0	20.6
2 11	8 55.36	+20 20.2	2.152	3.126	3.5	20.8
2 21	8 47.56	+20 49.2	2.181	3.115	7.1	21.0
3 2	8 41.18	+21 9.5	2.237	3.105	10.4	21.2
3 12	8 36.81	+21 19.9	2.316	3.094	13.3	21.3

114639 2003 EF_{32} 2 2.8 198°.57 0°.3/ 3.1 17

1 2	9 23.05	+14 12.3	2.815	3.642	9.6	20.7
1 12	9 17.82	+14 35.2	2.732	3.639	6.9	20.5
1 22	9 11.18	+15 4.6	2.676	3.636	3.9	20.3
2 1	9 3.66	+15 37.6	2.649	3.633	0.7	20.0
2 11	8 55.95	+16 11.1	2.654	3.630	2.6	20.2
2 21	8 48.74	+16 42.1	2.689	3.627	5.7	20.4
3 2	8 42.68	+17 8.2	2.752	3.623	8.6	20.6
3 12	8 38.25	+17 27.8	2.839	3.619	11.0	20.7

221864 2008 GS_{76} 2 2.8 156°.03 5°.9/ 7.7 18

1 2	9 24.43	− 3 37.2	2.229	2.990	13.9	21.2
1 12	9 19.05	− 3 34.9	2.149	2.995	11.3	21.0
1 22	9 11.96	− 3 11.9	2.092	3.001	8.6	20.9
2 1	9 3.78	− 2 28.5	2.061	3.006	6.4	20.8
2 11	8 55.38	− 1 27.5	2.059	3.010	6.0	20.7
2 21	8 47.61	− 0 14.1	2.085	3.014	7.7	20.8
3 2	8 41.26	+ 1 5.6	2.139	3.018	10.4	21.0
3 12	8 36.91	+ 2 25.5	2.218	3.021	13.0	21.2

122723 2000 SC_{40} 2 2.8 205°.54 0°.4/ 3.1 18

1 2	9 27.35	+12 34.9	1.749	2.584	14.0	19.9
1 12	9 21.66	+13 20.5	1.670	2.581	10.2	19.6
1 22	9 13.63	+14 19.6	1.616	2.578	5.8	19.4
2 1	9 4.06	+15 27.1	1.589	2.574	1.1	19.0
2 11	8 54.08	+16 36.0	1.592	2.569	3.9	19.2
2 21	8 44.93	+17 39.7	1.623	2.564	8.5	19.5
3 2	8 37.69	+18 33.4	1.681	2.559	12.7	19.7
3 12	8 33.10	+19 14.2	1.759	2.553	16.2	19.9

268052 2004 RH 2 2.8 101°.12 1°.4/ 3.8 18

1 2	9 26.19	+11 16.3	1.986	2.814	12.9	20.9
1 12	9 20.42	+11 31.1	1.920	2.825	9.5	20.7
1 22	9 12.74	+11 56.9	1.878	2.836	5.6	20.5
2 1	9 3.90	+12 30.3	1.864	2.846	1.8	20.2
2 11	8 54.90	+13 7.1	1.880	2.857	3.4	20.4
2 21	8 46.75	+13 43.1	1.924	2.867	7.3	20.6
3 2	8 40.28	+14 14.6	1.996	2.877	10.8	20.9
3 12	8 36.07	+14 39.1	2.090	2.887	13.9	21.1

210085 2006 QW_{45} 2 2.8 132°.60 4°.2/ 7.0 18

1 2	9 21.70	− 0 46.1	2.600	3.372	11.8	20.3
1 12	9 16.89	− 0 23.4	2.519	3.378	9.4	20.2
1 22	9 10.68	+ 0 16.1	2.463	3.385	6.8	20.0
2 1	9 3.58	+ 1 11.2	2.435	3.391	4.7	19.9
2 11	8 56.32	+ 2 18.5	2.436	3.398	4.4	19.9
2 21	8 49.58	+ 3 33.3	2.468	3.403	6.3	20.0
3 2	8 44.01	+ 4 50.6	2.528	3.409	8.8	20.2
3 12	8 40.11	+ 6 5.6	2.613	3.415	11.3	20.3

459693 2013 NR_{15} 2 2.8 137°.82 1°.0/ 3.4 18

1 2	9 28.28	+13 14.0	2.067	2.895	12.5	21.5
1 12	9 21.87	+13 14.5	1.996	2.902	9.1	21.3
1 22	9 13.53	+13 23.0	1.950	2.909	5.3	21.1
2 1	9 4.02	+13 37.1	1.932	2.915	1.5	20.8
2 11	8 54.35	+13 53.1	1.945	2.922	3.3	21.0
2 21	8 45.51	+14 8.0	1.987	2.928	7.2	21.3
3 2	8 38.36	+14 19.4	2.056	2.933	10.8	21.5
3 12	8 33.49	+14 25.4	2.148	2.939	13.8	21.7

431448 2007 RK_{141} 2 2.8 130°.00 6°.1/28.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 2	9 31.83	+38 54.0	2.769	3.592	9.8	21.6
1 12	9 24.18	+39 43.7	2.722	3.607	7.8	21.5
1 22	9 14.70	+40 23.2	2.702	3.621	6.4	21.4
2 1	9 4.19	+40 47.2	2.710	3.635	6.2	21.4
2 11	8 53.66	+40 52.5	2.748	3.648	7.3	21.5
2 21	8 44.09	+40 38.5	2.813	3.661	9.1	21.7
3 2	8 36.28	+40 7.2	2.903	3.673	10.9	21.8
3 12	8 30.74	+39 22.0	3.014	3.685	12.6	22.0

81533 2000 HG_{15} 2 2.8 284°.90 0°.8/ 3.3 18

1 2	9 25.09	+12 8.2	1.722	2.561	14.0	19.6
1 12	9 20.12	+12 43.2	1.638	2.550	10.3	19.4
1 22	9 12.82	+13 32.2	1.578	2.540	6.0	19.1
2 1	9 3.95	+14 30.8	1.545	2.529	1.4	18.7
2 11	8 54.62	+15 32.6	1.540	2.518	3.9	18.9
2 21	8 46.06	+16 31.3	1.563	2.507	8.5	19.2
3 2	8 39.35	+17 21.8	1.612	2.496	12.8	19.4
3 12	8 35.26	+18 0.7	1.682	2.486	16.4	19.6

243850 2000 WR_{15} 2 2.8 107°.26 2°.2/ 4.2 18

1 2	9 29.99	+ 9 21.4	1.752	2.574	14.6	20.9
1 12	9 23.23	+ 9 32.5	1.694	2.594	10.8	20.7
1 22	9 14.32	+ 9 57.4	1.660	2.615	6.6	20.5
2 1	9 4.14	+10 32.6	1.654	2.634	2.7	20.3
2 11	8 53.89	+11 13.2	1.677	2.653	3.9	20.4
2 21	8 44.71	+11 54.2	1.729	2.672	8.0	20.7
3 2	8 37.53	+12 31.3	1.807	2.690	11.7	20.9
3 12	8 32.95	+13 1.5	1.908	2.707	14.9	21.2

343544 2010 FZ_{12} 2 2.8 277°.43 2°.6/31.8 18

1 2	9 25.70	+23 35.9	2.250	3.097	10.9	21.1
1 12	9 20.10	+24 12.5	2.173	3.091	7.8	20.9
1 22	9 12.59	+24 50.3	2.123	3.085	4.6	20.7
2 1	9 3.89	+25 24.2	2.101	3.079	2.6	20.5
2 11	8 54.94	+25 49.6	2.109	3.073	4.7	20.7
2 21	8 46.71	+26 3.6	2.145	3.067	8.0	20.9
3 2	8 40.06	+26 5.2	2.208	3.061	11.1	21.0
3 12	8 35.60	+25 54.8	2.292	3.055	13.8	21.2

511718 2015 CX_{55} 2 2.8 299°.86 0°.9/ 3.4 17

1 2	9 23.20	+12 25.4	2.148	2.981	11.9	21.5
1 12	9 18.35	+12 47.6	2.061	2.970	8.7	21.2
1 22	9 11.66	+13 20.0	1.999	2.959	5.1	21.0
2 1	9 3.76	+13 59.4	1.965	2.948	1.3	20.7
2 11	8 55.54	+14 41.7	1.960	2.938	3.2	20.8
2 21	8 47.93	+15 22.3	1.985	2.928	7.1	21.0
3 2	8 41.78	+15 57.8	2.036	2.917	10.7	21.2
3 12	8 37.72	+16 25.6	2.110	2.907	13.8	21.4

219769 2001 YY_{125} 2 2.8 50°.08 2°.3/ 1.5 18

1 2	9 28.93	+21 39.7	1.628	2.482	13.9	19.6
1 12	9 22.76	+22 5.3	1.571	2.493	10.0	19.4
1 22	9 14.16	+22 33.4	1.538	2.503	5.6	19.2
2 1	9 4.13	+22 58.0	1.532	2.514	2.3	19.0
2 11	8 53.99	+23 13.8	1.554	2.525	5.1	19.2
2 21	8 45.05	+23 17.8	1.603	2.536	9.3	19.5
3 2	8 38.33	+23 9.3	1.677	2.548	13.2	19.7
3 12	8 34.46	+22 49.5	1.772	2.559	16.4	20.0

406200 2006 WP_{201} 2 2.8 71°.28 6°.6/ 6.3 18

1 2	9 32.50	+ 0 33.5	1.705	2.490	16.5	20.6
1 12	9 24.90	− 0 25.0	1.657	2.522	13.1	20.5
1 22	9 15.17	− 1 3.3	1.632	2.554	9.7	20.3
2 1	9 4.27	− 1 20.3	1.633	2.585	7.1	20.2
2 11	8 53.43	− 1 17.9	1.662	2.616	7.0	20.3
2 21	8 43.79	− 1 0.0	1.719	2.646	9.2	20.5
3 2	8 36.28	− 0 32.1	1.802	2.676	12.2	20.7
3 12	8 31.42	− 0 0.1	1.906	2.706	14.9	21.0

154068 2002 CG_{192} 2 2.8 207°.29 0°.8/ 2.2 18

1 2	9 25.16	+16 7.3	2.110	2.949	11.8	20.3
1 12	9 19.78	+17 0.7	2.031	2.946	8.5	20.1
1 22	9 12.46	+18 2.7	1.979	2.943	4.7	19.8
2 1	9 3.89	+19 8.0	1.955	2.939	0.9	19.5
2 11	8 55.00	+20 10.8	1.962	2.936	3.8	19.8
2 21	8 46.79	+21 6.0	1.997	2.932	7.7	20.0
3 2	8 40.16	+21 49.9	2.060	2.928	11.2	20.2
3 12	8 35.74	+22 21.3	2.145	2.923	14.2	20.4

192565 1998 WS_{34} 2 2.8 67°.18 2°.0/ 1.6 17

1 2	9 29.43	+18 15.7	1.301	2.161	16.4	20.7
1 12	9 23.51	+19 15.3	1.253	2.178	11.6	20.5
1 22	9 14.73	+20 23.5	1.228	2.195	6.4	20.2
2 1	9 4.23	+21 31.4	1.228	2.212	2.1	20.0
2 11	8 53.64	+22 29.8	1.256	2.229	5.6	20.3
2 21	8 44.49	+23 12.7	1.309	2.246	10.6	20.6
3 2	8 37.99	+23 37.5	1.386	2.263	14.9	20.9
3 12	8 34.78	+23 45.0	1.482	2.281	18.5	21.2

187803 1999 JN_8 2 2.8 256°.78 14°.0/14.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 2	9 49.52	+62 24.2	2.306	3.034	14.4	20.5
1 12	9 40.05	+64 32.7	2.263	3.013	14.0	20.5
1 22	9 25.12	+66 16.4	2.241	2.992	14.1	20.4
2 1	9 5.95	+67 23.1	2.240	2.970	14.7	20.4
2 11	8 45.40	+67 45.9	2.258	2.948	15.7	20.5
2 21	8 26.86	+67 25.3	2.293	2.925	16.9	20.5
3 2	8 13.09	+66 27.9	2.343	2.901	18.1	20.6
3 12	8 5.29	+65 3.6	2.403	2.877	19.1	20.7

144480 2004 ET_{58} 2 2.8 72°.96 3°.6/31.7 18

1 2	9 31.75	+28 37.0	2.254	3.094	11.1	19.5
1 12	9 24.27	+28 44.4	2.187	3.098	8.2	19.3
1 22	9 14.82	+28 46.9	2.147	3.103	5.2	19.1
2 1	9 4.24	+28 40.2	2.136	3.108	3.6	19.1
2 11	8 53.62	+28 21.1	2.155	3.112	5.3	19.2
2 21	8 44.00	+27 49.3	2.204	3.117	8.3	19.4
3 2	8 36.26	+27 5.9	2.279	3.122	11.2	19.6
3 12	8 30.92	+26 13.4	2.377	3.126	13.7	19.7

61405 2000 QT_9 2 2.8 177°.40 0°.7/ 3.3 18

1 2	9 25.73	+12 59.0	1.974	2.807	12.7	20.2
1 12	9 20.22	+13 25.6	1.898	2.808	9.3	20.0
1 22	9 12.72	+14 2.6	1.847	2.808	5.3	19.7
2 1	9 3.94	+14 46.1	1.824	2.809	1.2	19.4
2 11	8 54.90	+15 31.2	1.831	2.809	3.4	19.6
2 21	8 46.62	+16 13.2	1.867	2.809	7.6	19.8
3 2	8 40.02	+16 48.4	1.929	2.808	11.3	20.1
3 12	8 35.73	+17 14.5	2.014	2.808	14.4	20.3

421102 2013 QT_{64} 2 2.8 245°.55 1°.3/ 3.7 17

1 2	9 25.66	+10 34.4	2.060	2.885	12.6	21.8
1 12	9 20.25	+11 7.6	1.967	2.871	9.3	21.6
1 22	9 12.80	+11 53.9	1.899	2.857	5.6	21.3
2 1	9 3.98	+12 50.0	1.859	2.842	1.7	21.0
2 11	8 54.71	+13 50.6	1.849	2.826	3.4	21.1
2 21	8 46.04	+14 50.4	1.869	2.811	7.5	21.3
3 2	8 38.91	+15 44.6	1.915	2.795	11.3	21.5
3 12	8 34.04	+16 29.8	1.985	2.778	14.6	21.7

262342 2006 TW_{52} 2 2.8 257°.70 3°.1/31.7 18

1 2	9 27.87	+22 35.8	1.789	2.641	12.9	20.6
1 12	9 22.13	+23 30.3	1.712	2.633	9.3	20.4
1 22	9 13.95	+24 28.5	1.660	2.624	5.5	20.1
2 1	9 4.15	+25 23.5	1.636	2.615	3.1	20.0
2 11	8 53.94	+26 8.1	1.641	2.606	5.7	20.1
2 21	8 44.61	+26 37.7	1.673	2.596	9.7	20.3
3 2	8 37.28	+26 50.6	1.730	2.587	13.5	20.5
3 12	8 32.72	+26 47.4	1.807	2.578	16.7	20.7

175238 Nguyenhien 2 2.8 219°.63 0°.2/ 2.9 17

1 2	9 27.87	+14 7.5	1.985	2.817	12.7	21.4
1 12	9 21.86	+14 39.1	1.899	2.809	9.2	21.2
1 22	9 13.70	+15 20.6	1.839	2.801	5.2	20.9
2 1	9 4.11	+16 7.8	1.807	2.792	0.9	20.6
2 11	8 54.14	+16 55.3	1.805	2.782	3.6	20.7
2 21	8 44.87	+17 38.4	1.833	2.772	7.9	21.0
3 2	8 37.31	+18 13.3	1.887	2.761	11.8	21.2
3 12	8 32.16	+18 38.2	1.963	2.749	15.0	21.4

384948 2012 TU_{127} 2 2.8 93°.38 3°.0/ 5.2 18

1 2	9 24.14	+ 5 44.6	2.443	3.244	11.6	21.4
1 12	9 18.64	+ 5 43.3	2.376	3.260	8.9	21.2
1 22	9 11.65	+ 5 54.2	2.334	3.276	5.9	21.1
2 1	9 3.77	+ 6 15.8	2.320	3.292	3.4	20.9
2 11	8 55.80	+ 6 45.3	2.337	3.307	3.6	21.0
2 21	8 48.48	+ 7 19.3	2.383	3.323	6.2	21.2
3 2	8 42.50	+ 7 54.2	2.457	3.338	9.1	21.4
3 12	8 38.33	+ 8 26.9	2.555	3.353	11.6	21.6

10472 Santana–Ros 2 2.8 224°.48 0°.9/ 3.4 18

1 2	9 28.42	+12 10.7	1.962	2.789	13.1	19.4
1 12	9 22.30	+12 39.3	1.872	2.778	9.6	19.1
1 22	9 13.98	+13 19.8	1.807	2.766	5.6	18.8
2 1	9 4.16	+14 8.2	1.770	2.754	1.4	18.5
2 11	8 53.90	+14 59.4	1.764	2.741	3.6	18.7
2 21	8 44.31	+15 48.1	1.787	2.727	7.9	18.9
3 2	8 36.43	+16 30.2	1.837	2.713	11.9	19.1
3 12	8 31.01	+17 2.9	1.909	2.698	15.3	19.3

279472 2010 VV_{26} 2 2.8 181°.38 5°.8/29.3 18

1 2	9 29.33	+30 36.5	1.943	2.793	12.2	20.5
1 12	9 23.10	+31 58.3	1.881	2.794	9.2	20.3
1 22	9 14.44	+33 16.4	1.845	2.794	6.6	20.2
2 1	9 4.23	+34 22.0	1.837	2.794	6.0	20.1
2 11	8 53.70	+35 8.2	1.858	2.794	7.9	20.2
2 21	8 44.14	+35 31.7	1.905	2.793	10.8	20.4
3 2	8 36.65	+35 32.8	1.976	2.792	13.7	20.6
3 12	8 31.94	+35 14.7	2.066	2.791	16.3	20.8

237723 2001 WF_9 2 2.8 168.°51 5.°6/27.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 2	9 26.72	+35 22.0	2.758	3.594	9.4	20.3
1 12	9 20.72	+36 41.0	2.700	3.597	7.4	20.2
1 22	9 12.92	+37 53.6	2.669	3.600	5.9	20.1
2 1	9 3.99	+38 53.8	2.668	3.602	5.8	20.1
2 11	8 54.81	+39 36.7	2.695	3.604	7.1	20.2
2 21	8 46.31	+40 0.5	2.751	3.606	9.0	20.3
3 2	8 39.31	+40 5.4	2.830	3.607	11.1	20.4
3 12	8 34.39	+39 53.7	2.930	3.608	12.8	20.6

81830 2000 KJ_{46} 2 2.8 178.°74 0.°3/ 2.5 18

1 2	9 23.26	+15 41.3	2.968	3.796	9.1	20.1
1 12	9 17.93	+16 24.2	2.888	3.797	6.5	19.9
1 22	9 11.26	+17 13.0	2.836	3.798	3.6	19.7
2 1	9 3.73	+18 4.2	2.814	3.799	0.6	19.5
2 11	8 56.02	+18 54.0	2.824	3.799	2.7	19.6
2 21	8 48.78	+19 39.1	2.866	3.799	5.7	19.8
3 2	8 42.64	+20 17.2	2.935	3.798	8.4	20.0
3 12	8 38.07	+20 46.7	3.029	3.797	10.7	20.2

148743 2001 TS_{132} 2 2.8 4.°71 0.°4/ 2.9 18

1 2	9 28.67	+16 14.0	1.489	2.339	15.2	19.4
1 12	9 22.81	+16 2.0	1.420	2.339	11.0	19.1
1 22	9 14.34	+15 57.4	1.375	2.339	6.3	18.8
2 1	9 4.22	+15 56.6	1.356	2.340	1.1	18.5
2 11	8 53.85	+15 55.8	1.364	2.342	4.2	18.7
2 21	8 44.63	+15 51.8	1.399	2.344	9.2	19.0
3 2	8 37.72	+15 42.6	1.458	2.347	13.6	19.3
3 12	8 33.81	+15 27.4	1.538	2.350	17.3	19.5

306404 1996 TJ_{34} 2 2.8 113.°48 1.°5/ 1.9 18

1 2	9 31.18	+18 51.4	1.804	2.645	13.4	21.5
1 12	9 24.13	+19 31.2	1.749	2.665	9.5	21.3
1 22	9 14.86	+20 16.0	1.720	2.684	5.2	21.1
2 1	9 4.29	+20 59.8	1.719	2.702	1.5	20.8
2 11	8 53.65	+21 36.8	1.748	2.720	4.4	21.1
2 21	8 44.14	+22 3.2	1.806	2.737	8.5	21.4
3 2	8 36.70	+22 17.4	1.889	2.754	12.2	21.6
3 12	8 31.94	+22 19.8	1.994	2.770	15.2	21.9

426857 2013 WH_3 2 2.8 88.°46 3.°2/ 4.9 18

1 2	9 26.75	+ 6 47.4	2.266	3.071	12.3	20.8
1 12	9 20.57	+ 6 28.7	2.201	3.088	9.3	20.7
1 22	9 12.74	+ 6 21.6	2.162	3.106	6.2	20.5
2 1	9 3.96	+ 6 25.1	2.151	3.123	3.5	20.4
2 11	8 55.10	+ 6 36.8	2.170	3.140	3.9	20.4
2 21	8 47.01	+ 6 53.9	2.218	3.157	6.7	20.6
3 2	8 40.43	+ 7 13.1	2.294	3.174	9.7	20.8
3 12	8 35.84	+ 7 31.5	2.394	3.191	12.3	21.1

208481 2001 US_{157} 2 2.8 144.°62 4.°2/29.9 18

1 2	9 25.92	+29 49.3	2.613	3.456	9.6	20.4
1 12	9 20.08	+30 49.5	2.551	3.462	7.2	20.3
1 22	9 12.53	+31 46.5	2.517	3.467	5.0	20.1
2 1	9 3.94	+32 34.7	2.513	3.473	4.3	20.1
2 11	8 55.17	+33 9.7	2.538	3.478	5.8	20.2
2 21	8 47.11	+33 29.3	2.592	3.483	8.2	20.3
3 2	8 40.52	+33 33.2	2.671	3.487	10.6	20.5
3 12	8 35.94	+33 22.9	2.772	3.492	12.6	20.7

319031 2005 VV_{39} 2 2.8 131.°94 2.°3/ 4.3 18

1 2	9 26.66	+ 8 56.5	2.056	2.873	12.9	21.1
1 12	9 20.74	+ 9 3.5	1.984	2.882	9.6	20.9
1 22	9 12.95	+ 9 22.8	1.938	2.890	6.0	20.7
2 1	9 4.01	+ 9 51.9	1.919	2.898	2.7	20.5
2 11	8 54.89	+10 26.9	1.930	2.906	3.6	20.6
2 21	8 46.55	+11 3.8	1.971	2.913	7.1	20.8
3 2	8 39.83	+11 38.6	2.038	2.920	10.6	21.0
3 12	8 35.32	+12 8.3	2.129	2.927	13.6	21.3

158575 2002 JM_{119} 2 2.8 247.°75 0.°3/ 2.6 17

1 2	9 24.26	+14 3.4	2.206	3.040	11.6	19.9
1 12	9 19.16	+15 2.8	2.117	3.028	8.4	19.7
1 22	9 12.17	+16 13.0	2.053	3.017	4.7	19.5
2 1	9 3.91	+17 29.3	2.019	3.004	0.7	19.1
2 11	8 55.26	+18 45.6	2.016	2.992	3.5	19.3
2 21	8 47.16	+19 56.0	2.043	2.979	7.4	19.6
3 2	8 40.50	+20 56.4	2.096	2.966	10.9	19.8
3 12	8 35.94	+21 44.1	2.173	2.952	14.0	19.9

385696 2005 TV_{100} 2 2.8 154.°56 1.°4/ 1.6 17

1 2	9 24.58	+21 8.5	2.909	3.745	9.0	21.4
1 12	9 18.87	+21 32.2	2.836	3.750	6.4	21.2
1 22	9 11.77	+21 57.6	2.792	3.755	3.6	21.0
2 1	9 3.84	+22 21.3	2.777	3.759	1.4	20.9
2 11	8 55.78	+22 40.3	2.794	3.763	3.3	21.0
2 21	8 48.30	+22 52.5	2.841	3.767	6.1	21.2
3 2	8 42.03	+22 56.9	2.916	3.771	8.7	21.4
3 12	8 37.43	+22 53.1	3.015	3.774	10.9	21.6

364730 2007 VJ_{113} 2 2.8 16.°32 4.°7/30.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 2	9 27.85	+24 44.8	1.412	2.278	15.0	20.5
1 12	9 22.53	+25 56.8	1.354	2.279	10.9	20.2
1 22	9 14.33	+27 10.8	1.319	2.281	6.7	20.0
2 1	9 4.27	+28 16.9	1.309	2.284	4.8	19.9
2 11	8 53.90	+29 6.0	1.327	2.287	7.5	20.1
2 21	8 44.79	+29 33.2	1.369	2.290	11.7	20.3
3 2	8 38.21	+29 37.8	1.434	2.294	15.6	20.5
3 12	8 34.93	+29 22.5	1.518	2.298	19.0	20.8

325193 2008 FK_{108} 2 2.8 81.°34 2.°1/ 1.5 18

1 2	9 28.54	+20 11.3	1.710	2.560	13.5	21.3
1 12	9 22.41	+20 56.8	1.655	2.575	9.6	21.1
1 22	9 13.99	+21 46.8	1.625	2.590	5.4	20.9
2 1	9 4.20	+22 34.6	1.623	2.605	2.1	20.7
2 11	8 54.31	+23 14.1	1.650	2.620	4.9	20.9
2 21	8 45.53	+23 41.1	1.704	2.635	9.0	21.2
3 2	8 38.84	+23 54.2	1.783	2.649	12.7	21.4
3 12	8 34.86	+23 53.8	1.883	2.664	15.8	21.7

460154 2014 QQ 2 2.8 148.°21 3.°8/30.7 18

1 2	9 29.45	+24 12.1	2.089	2.934	11.7	21.6
1 12	9 22.93	+25 42.6	2.029	2.945	8.4	21.4
1 22	9 14.28	+27 14.8	1.996	2.955	5.2	21.2
2 1	9 4.27	+28 40.6	1.993	2.965	3.8	21.1
2 11	8 54.00	+29 52.9	2.020	2.974	6.0	21.3
2 21	8 44.57	+30 46.9	2.077	2.982	9.2	21.5
3 2	8 36.96	+31 21.5	2.159	2.989	12.2	21.7
3 12	8 31.83	+31 37.9	2.262	2.996	14.8	21.9

356522 2011 SH_{90} 2 2.8 161.°18 3.°6/31.8 18

1 2	9 32.61	+24 40.3	1.767	2.614	13.3	21.7
1 12	9 25.44	+25 22.9	1.702	2.619	9.6	21.5
1 22	9 15.75	+26 5.5	1.663	2.624	5.8	21.3
2 1	9 4.50	+26 41.1	1.651	2.628	3.6	21.1
2 11	8 53.04	+27 3.4	1.669	2.631	6.0	21.3
2 21	8 42.71	+27 9.7	1.714	2.634	9.8	21.5
3 2	8 34.62	+27 0.0	1.785	2.636	13.4	21.7
3 12	8 29.46	+26 36.3	1.876	2.638	16.5	22.0

255993 2006 TE_{104} 2 2.8 33.°75 5.°8/30.2 18

1 2	9 29.72	+29 10.4	1.627	2.484	13.8	20.9
1 12	9 23.65	+30 17.0	1.568	2.486	10.2	20.7
1 22	9 14.86	+31 20.1	1.533	2.488	7.0	20.5
2 1	9 4.37	+32 10.6	1.525	2.490	5.9	20.5
2 11	8 53.62	+32 41.2	1.545	2.492	8.0	20.6
2 21	8 44.07	+32 48.8	1.590	2.495	11.5	20.8
3 2	8 36.93	+32 34.4	1.658	2.497	14.9	21.0
3 12	8 32.90	+32 1.5	1.745	2.500	17.8	21.2

291449 2006 DF_{42} 2 2.8 73.°84 0.°5/ 3.2 18

1 2	9 24.97	+13 0.0	1.883	2.720	13.1	21.1
1 12	9 19.74	+13 37.3	1.815	2.727	9.5	20.9
1 22	9 12.49	+14 25.7	1.772	2.734	5.4	20.7
2 1	9 4.00	+15 20.6	1.757	2.742	1.1	20.4
2 11	8 55.29	+16 16.3	1.772	2.749	3.5	20.6
2 21	8 47.41	+17 7.5	1.814	2.756	7.7	20.8
3 2	8 41.27	+17 50.2	1.883	2.764	11.4	21.1
3 12	8 37.48	+18 22.1	1.974	2.771	14.6	21.3

14605 Hyeyeonchoi 2 2.8 67.°67 3.°3/ 1.2 18

1 2	9 32.06	+22 19.5	1.287	2.149	16.4	17.8
1 12	9 25.51	+23 1.5	1.238	2.162	11.7	17.6
1 22	9 15.92	+23 46.4	1.211	2.176	6.7	17.3
2 1	9 4.52	+24 25.5	1.209	2.190	3.3	17.1
2 11	8 53.05	+24 51.2	1.234	2.204	6.4	17.4
2 21	8 43.15	+24 59.7	1.285	2.218	11.2	17.7
3 2	8 36.10	+24 51.0	1.359	2.232	15.5	18.0
3 12	8 32.54	+24 27.5	1.451	2.246	19.0	18.2

334587 2002 TA_{168} 2 2.8 152.°81 6.°0/ 8.1 18

1 2	9 24.10	− 5 15.3	2.704	3.443	12.2	21.3
1 12	9 18.60	− 5 39.5	2.623	3.450	10.1	21.1
1 22	9 11.68	− 5 46.7	2.566	3.457	8.0	21.0
2 1	9 3.86	− 5 36.4	2.535	3.463	6.4	20.9
2 11	8 55.87	− 5 9.9	2.533	3.469	6.1	20.9
2 21	8 48.40	− 4 30.0	2.560	3.474	7.3	21.0
3 2	8 42.11	− 3 41.0	2.615	3.479	9.2	21.1
3 12	8 37.48	− 2 47.6	2.693	3.484	11.3	21.3

222278 2000 SJ_{39} 2 2.8 195.°72 5.°0/29.6 18

1 2	9 30.60	+32 29.5	2.554	3.390	10.1	20.9
1 12	9 23.57	+33 26.8	2.484	3.387	7.7	20.8
1 22	9 14.57	+34 19.0	2.441	3.383	5.6	20.6
2 1	9 4.32	+34 59.9	2.427	3.379	5.1	20.6
2 11	8 53.83	+35 24.7	2.443	3.373	6.6	20.7
2 21	8 44.10	+35 31.6	2.488	3.368	8.9	20.8
3 2	8 36.03	+35 21.0	2.558	3.361	11.4	21.0
3 12	8 30.24	+34 55.4	2.650	3.354	13.5	21.1

2020	α_{2000}	δ_{2000}	Δ	r	β	V
215507 2002 TJ_{382}			2 2.8 87°.02	3°.0/31.7 18		
	h m	° ′			°	m
1 2	9 29.07	+21 31.4	1.718	2.569	13.5	21.1
1 12	9 22.79	+22 44.1	1.670	2.591	9.6	20.9
1 22	9 14.20	+24 0.2	1.648	2.612	5.5	20.7
2 1	9 4.26	+25 11.5	1.654	2.633	3.0	20.6
2 11	8 54.24	+26 10.5	1.689	2.654	5.6	20.8
2 21	8 45.35	+26 52.9	1.752	2.674	9.4	21.1
3 2	8 38.60	+27 17.3	1.839	2.694	12.9	21.3
3 12	8 34.57	+27 25.0	1.947	2.714	15.8	21.6
428939 2008 WX_{133}			2 2.8 91°.27	5°.1/29.8 18		
1 2	9 27.16	+30 12.9	2.146	2.995	11.2	20.6
1 12	9 21.30	+31 19.0	2.087	3.000	8.4	20.5
1 22	9 13.36	+32 21.2	2.054	3.005	5.9	20.3
2 1	9 4.14	+33 12.6	2.050	3.009	5.2	20.3
2 11	8 54.73	+33 47.6	2.074	3.014	6.9	20.4
2 21	8 46.20	+34 3.6	2.126	3.019	9.6	20.6
3 2	8 39.48	+34 1.0	2.202	3.024	12.3	20.8
3 12	8 35.19	+33 41.9	2.298	3.028	14.7	20.9
29586 1998 FT_{66}			2 2.8 345°.48	3°.3/31.6 18		
1 2	9 25.33	+24 39.5	1.982	2.836	11.8	18.3
1 12	9 20.08	+25 19.6	1.911	2.832	8.5	18.1
1 22	9 12.73	+26 0.3	1.865	2.827	5.1	17.8
2 1	9 4.05	+26 35.7	1.847	2.824	3.3	17.7
2 11	8 55.13	+27 0.6	1.858	2.820	5.4	17.8
2 21	8 47.05	+27 11.8	1.896	2.817	8.9	18.0
3 2	8 40.76	+27 8.5	1.959	2.815	12.2	18.2
3 12	8 36.89	+26 51.8	2.043	2.813	15.1	18.4
110753 2001 UW_{12}			2 2.8 127°.74	0°.0/ 2.7 18		
1 2	9 27.43	+14 32.4	2.262	3.090	11.5	20.7
1 12	9 21.16	+15 9.0	2.199	3.107	8.3	20.5
1 22	9 13.15	+15 53.2	2.161	3.123	4.6	20.3
2 1	9 4.11	+16 40.9	2.154	3.139	0.7	20.1
2 11	8 54.95	+17 27.2	2.177	3.153	3.2	20.3
2 21	8 46.57	+18 8.3	2.231	3.168	6.8	20.6
3 2	8 39.74	+18 41.4	2.312	3.181	10.1	20.8
3 12	8 34.99	+19 5.2	2.417	3.194	12.8	21.0
29443 Remocorti			2 2.8 164°.91	3°.4/ 4.7 18		
1 2	9 31.41	+ 7 17.4	1.885	2.693	14.3	19.6
1 12	9 24.34	+ 7 0.1	1.809	2.699	10.9	19.4
1 22	9 15.07	+ 6 56.2	1.758	2.704	7.1	19.2
2 1	9 4.43	+ 7 4.5	1.734	2.709	3.8	19.0
2 11	8 53.53	+ 7 22.2	1.740	2.712	4.5	19.1
2 21	8 43.52	+ 7 45.5	1.776	2.715	8.0	19.3
3 2	8 35.39	+ 8 10.5	1.838	2.717	11.7	19.5
3 12	8 29.79	+ 8 33.4	1.922	2.719	14.9	19.7
16880 1998 BW_{11}			2 2.8 138°.22	1°.5/ 1.8 18		
1 2	9 30.47	+18 37.1	1.949	2.787	12.7	18.5
1 12	9 23.61	+19 24.9	1.887	2.801	9.0	18.3
1 22	9 14.63	+20 18.2	1.851	2.815	5.0	18.1
2 1	9 4.35	+21 10.9	1.844	2.828	1.5	17.9
2 11	8 53.92	+21 57.3	1.868	2.839	4.3	18.1
2 21	8 44.45	+22 33.1	1.921	2.851	8.2	18.4
3 2	8 36.89	+22 56.3	2.000	2.861	11.8	18.6
3 12	8 31.84	+23 6.9	2.101	2.871	14.7	18.8
393910 2005 UK_{23}			2 2.8 195°.32	2°.7/ 4.5 18		
1 2	9 29.84	+ 7 55.8	1.845	2.659	14.3	22.2
1 12	9 23.38	+ 8 6.5	1.762	2.657	10.8	21.9
1 22	9 14.63	+ 8 32.3	1.703	2.654	6.8	21.7
2 1	9 4.38	+ 9 10.7	1.672	2.650	3.2	21.4
2 11	8 53.73	+ 9 57.1	1.670	2.645	4.1	21.5
2 21	8 43.88	+10 46.3	1.697	2.639	8.1	21.7
3 2	8 35.88	+11 33.2	1.751	2.633	12.1	21.9
3 12	8 30.45	+12 13.9	1.828	2.626	15.5	22.2
398725 2012 XG_{116}			2 2.8 57°.08	5°.2/31.2 18		
1 2	9 31.95	+26 12.1	1.299	2.163	16.1	20.2
1 12	9 25.63	+27 10.0	1.245	2.169	11.7	20.0
1 22	9 16.11	+28 6.9	1.214	2.176	7.4	19.7
2 1	9 4.60	+28 52.7	1.208	2.182	5.3	19.6
2 11	8 52.89	+29 18.7	1.229	2.189	8.0	19.8
2 21	8 42.73	+29 21.6	1.274	2.196	12.3	20.1
3 2	8 35.49	+29 2.7	1.342	2.203	16.4	20.3
3 12	8 31.88	+28 25.9	1.428	2.210	19.8	20.6
302141 2001 SD_{5}			2 2.8 248°.17	0°.6/ 2.4 17		
1 2	9 31.67	+16 27.6	1.998	2.829	12.7	22.7
1 12	9 24.86	+17 3.0	1.894	2.805	9.3	22.4
1 22	9 15.60	+17 47.1	1.816	2.779	5.2	22.1
2 1	9 4.56	+18 35.1	1.767	2.752	0.9	21.8
2 11	8 52.86	+19 21.2	1.749	2.723	4.1	22.0
2 21	8 41.70	+20 0.1	1.760	2.694	8.6	22.2
3 2	8 32.29	+20 28.6	1.799	2.663	12.7	22.4
3 12	8 25.48	+20 45.3	1.860	2.631	16.3	22.5

2020	α_{2000}	δ_{2000}	Δ	r	β	V
409646 2005 XZ_{91}			2 2.8 45°.86	2°.2/ 1.3 18		
	h m	° ′			°	m
1 2	9 25.82	+18 30.2	1.500	2.359	14.6	20.3
1 12	9 20.67	+19 44.0	1.454	2.379	10.4	20.1
1 22	9 13.11	+21 5.3	1.433	2.399	5.7	19.8
2 1	9 4.13	+22 25.4	1.438	2.420	2.2	19.7
2 11	8 55.05	+23 35.7	1.471	2.442	5.3	19.9
2 21	8 47.17	+24 30.2	1.531	2.464	9.7	20.2
3 2	8 41.51	+25 6.5	1.614	2.486	13.5	20.5
3 12	8 38.66	+25 24.7	1.719	2.508	16.7	20.8
234192 2000 QU_{136}			2 2.8 236°.53	1°.9/ 4.1 18		
1 2	9 28.09	+ 9 17.1	1.854	2.675	13.9	20.8
1 12	9 22.25	+ 9 42.2	1.761	2.662	10.4	20.5
1 22	9 14.09	+10 22.5	1.692	2.647	6.4	20.2
2 1	9 4.33	+11 15.0	1.651	2.632	2.4	20.0
2 11	8 54.04	+12 14.3	1.639	2.616	3.8	20.0
2 21	8 44.41	+13 14.4	1.657	2.600	8.2	20.2
3 2	8 36.54	+14 9.9	1.701	2.583	12.4	20.5
3 12	8 31.22	+14 56.9	1.767	2.565	16.0	20.6
127681 2003 EY_{10}			2 2.8 269°.96	1°.1/ 2.3 18		
1 2	9 30.99	+18 26.0	1.510	2.360	15.0	19.7
1 12	9 24.78	+18 41.0	1.427	2.347	10.9	19.4
1 22	9 15.67	+19 2.9	1.368	2.333	6.1	19.1
2 1	9 4.58	+19 26.0	1.335	2.319	1.3	18.7
2 11	8 52.94	+19 44.5	1.330	2.306	4.9	18.9
2 21	8 42.30	+19 54.0	1.352	2.292	10.1	19.2
3 2	8 34.03	+19 52.3	1.399	2.278	14.7	19.4
3 12	8 28.98	+19 39.4	1.465	2.263	18.7	19.7
37266 2000 XG_{18}			2 2.8 88°.71	4°.0/31.6 18		
1 2	9 31.11	+27 17.9	1.905	2.753	12.5	17.9
1 12	9 24.19	+27 46.1	1.843	2.759	9.1	17.7
1 22	9 14.99	+28 11.0	1.807	2.765	5.7	17.6
2 1	9 4.44	+28 26.8	1.799	2.772	4.0	17.5
2 11	8 53.78	+28 28.8	1.820	2.778	6.0	17.6
2 21	8 44.24	+28 15.5	1.869	2.785	9.4	17.8
3 2	8 36.79	+27 47.7	1.943	2.791	12.6	18.0
3 12	8 32.05	+27 7.9	2.038	2.797	15.4	18.2
18414 1993 OY_{6}			2 2.8 241°.13	0°.7/ 2.3 18 R		
1 2	9 28.78	+15 42.5	1.824	2.663	13.4	18.2
1 12	9 22.86	+16 34.0	1.733	2.648	9.7	17.9
1 22	9 14.49	+17 36.7	1.667	2.631	5.4	17.7
2 1	9 4.41	+18 44.8	1.630	2.615	1.0	17.3
2 11	8 53.75	+19 51.2	1.622	2.597	4.3	17.5
2 21	8 43.78	+20 49.4	1.643	2.579	8.9	17.7
3 2	8 35.66	+21 35.1	1.690	2.560	13.1	17.9
3 12	8 30.24	+22 6.5	1.759	2.540	16.7	18.1
447201 2005 SV_{239}			2 2.8 66°.00	3°.1/ 4.3 15		
1 2	9 30.68	+ 9 13.1	1.258	2.098	18.1	21.8
1 12	9 24.39	+ 9 6.3	1.207	2.116	13.5	21.6
1 22	9 15.27	+ 9 17.3	1.178	2.135	8.3	21.4
2 1	9 4.49	+ 9 43.0	1.173	2.153	3.7	21.2
2 11	8 53.64	+10 17.5	1.195	2.172	4.9	21.3
2 21	8 44.25	+10 54.6	1.243	2.191	9.8	21.6
3 2	8 37.51	+11 28.6	1.314	2.210	14.3	21.9
3 12	8 34.05	+11 55.5	1.406	2.229	18.1	22.2
236222 2005 WT_{193}			2 2.8 44°.21	3°.2/ 1.3 18		
1 2	9 29.65	+21 7.9	1.174	2.043	17.1	20.0
1 12	9 24.01	+21 58.7	1.126	2.055	12.2	19.8
1 22	9 15.21	+22 54.9	1.100	2.068	6.9	19.5
2 1	9 4.50	+23 47.0	1.099	2.081	3.2	19.3
2 11	8 53.66	+24 25.9	1.123	2.094	6.6	19.6
2 21	8 44.43	+24 46.7	1.172	2.109	11.6	19.9
3 2	8 38.13	+24 48.4	1.243	2.123	16.1	20.2
3 12	8 35.40	+24 33.1	1.332	2.138	19.8	20.5
379109 2008 YE_{41}			2 2.8 2°.33	6°.7/28.9 15		
1 2	9 22.13	+28 53.1	1.442	2.316	14.2	19.5
1 12	9 18.51	+30 34.9	1.388	2.314	10.6	19.3
1 22	9 12.16	+32 15.2	1.358	2.314	7.6	19.1
2 1	9 4.04	+33 42.3	1.353	2.315	6.9	19.1
2 11	8 55.58	+34 46.6	1.374	2.318	9.3	19.2
2 21	8 48.26	+35 23.1	1.419	2.322	12.8	19.4
3 2	8 43.32	+35 31.4	1.485	2.327	16.2	19.7
3 12	8 41.50	+35 15.2	1.569	2.334	19.1	19.9
123221 2000 UQ_{44}			2 2.8 59°.77	7°.7/28.5 18		
1 2	9 30.48	+35 28.9	1.775	2.624	13.2	19.6
1 12	9 24.13	+36 50.2	1.728	2.633	10.4	19.5
1 22	9 15.11	+38 1.6	1.706	2.642	8.2	19.3
2 1	9 4.48	+38 53.9	1.710	2.651	7.9	19.3
2 11	8 53.70	+39 20.5	1.741	2.661	9.6	19.5
2 21	8 44.19	+39 20.1	1.797	2.670	12.2	19.6
3 2	8 37.11	+38 54.9	1.876	2.679	14.9	19.8
3 12	8 33.09	+38 10.1	1.972	2.689	17.2	20.0

368183 2000 RC_{63} 2 2.8 178.°42 0.°9/ 2.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 2	9 27.53	+18 23.0	2.668	3.498	9.9	22.6
1 12	9 21.14	+18 55.1	2.590	3.500	7.1	22.4
1 22	9 13.16	+19 31.1	2.539	3.502	3.9	22.2
2 1	9 4.18	+20 7.4	2.519	3.503	1.0	22.0
2 11	8 55.00	+20 40.2	2.530	3.503	3.2	22.2
2 21	8 46.43	+21 6.4	2.573	3.502	6.4	22.4
3 2	8 39.19	+21 24.4	2.643	3.501	9.4	22.6
3 12	8 33.82	+21 33.5	2.738	3.499	11.8	22.7

126260 2002 AM_{77} 2 2.8 88.°93 1.°5/ 1.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 31.11	+17 40.4	1.509	2.357	15.1	20.4
1 12	9 24.41	+18 35.3	1.462	2.381	10.8	20.2
1 22	9 15.18	+19 37.7	1.438	2.404	5.9	20.0
2 1	9 4.49	+20 40.1	1.443	2.426	1.6	19.7
2 11	8 53.76	+21 34.6	1.475	2.449	4.9	20.0
2 21	8 44.35	+22 16.1	1.535	2.470	9.5	20.3
3 2	8 37.34	+22 42.3	1.620	2.492	13.5	20.6
3 12	8 33.32	+22 53.4	1.726	2.513	16.8	20.9

135510 2001 XZ_{243} 2 2.8 230.°83 4.°7/30.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 31.05	+25 43.2	1.574	2.430	14.2	20.2
1 12	9 24.80	+26 49.8	1.504	2.425	10.4	20.0
1 22	9 15.66	+27 57.5	1.459	2.419	6.6	19.7
2 1	9 4.61	+28 57.1	1.440	2.413	4.8	19.6
2 11	8 53.11	+29 40.0	1.449	2.406	7.3	19.7
2 21	8 42.72	+30 1.6	1.484	2.400	11.4	20.0
3 2	8 34.76	+30 1.5	1.543	2.393	15.3	20.2
3 12	8 30.05	+29 42.4	1.621	2.386	18.6	20.4

450164 2001 OP_{2} 2 2.8 127.°22 5.°3/ 6.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 30.35	+ 1 55.7	1.742	2.535	15.9	21.3
1 12	9 23.65	+ 1 39.8	1.676	2.551	12.5	21.1
1 22	9 14.72	+ 1 43.8	1.633	2.566	8.8	20.9
2 1	9 4.44	+ 2 7.0	1.617	2.580	5.8	20.8
2 11	8 53.98	+ 2 45.9	1.629	2.593	5.8	20.8
2 21	8 44.51	+ 3 35.1	1.669	2.606	8.7	21.0
3 2	8 37.02	+ 4 28.6	1.735	2.618	12.1	21.2
3 12	8 32.14	+ 5 20.5	1.824	2.630	15.3	21.4

117469 2005 BO_{11} 2 2.8 300.°25 0.°2/ 2.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 29.73	+16 51.2	1.513	2.362	15.1	19.9
1 12	9 23.75	+16 55.1	1.436	2.355	11.0	19.6
1 22	9 15.04	+17 6.5	1.382	2.347	6.2	19.3
2 1	9 4.52	+17 21.2	1.355	2.340	1.0	19.0
2 11	8 53.59	+17 34.0	1.355	2.333	4.4	19.2
2 21	8 43.70	+17 41.0	1.383	2.326	9.5	19.5
3 2	8 36.11	+17 39.8	1.434	2.319	14.1	19.7
3 12	8 31.61	+17 29.9	1.506	2.312	17.9	19.9

231084 2005 QJ_{165} 2 2.8 194.°95 1.°4/ 1.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 27.19	+18 40.3	2.161	3.000	11.5	21.3
1 12	9 21.28	+19 28.4	2.083	2.998	8.3	21.1
1 22	9 13.40	+20 22.3	2.032	2.996	4.6	20.8
2 1	9 4.25	+21 16.8	2.010	2.993	1.5	20.6
2 11	8 54.81	+22 6.3	2.018	2.990	4.0	20.8
2 21	8 46.07	+22 46.6	2.056	2.986	7.8	21.0
3 2	8 38.94	+23 15.0	2.120	2.981	11.2	21.2
3 12	8 34.06	+23 31.2	2.207	2.977	14.1	21.4

10966 van der Hucht 2 2.8 243.°24 0.°3/ 3.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 23.72	+14 0.9	2.497	3.326	10.5	19.4
1 12	9 18.57	+14 25.0	2.410	3.319	7.6	19.2
1 22	9 11.80	+14 56.8	2.350	3.311	4.3	18.9
2 1	9 4.00	+15 33.2	2.319	3.303	0.8	18.7
2 11	8 55.94	+16 10.3	2.318	3.295	2.9	18.8
2 21	8 48.42	+16 44.8	2.347	3.287	6.4	19.0
3 2	8 42.17	+17 13.7	2.404	3.278	9.5	19.2
3 12	8 37.76	+17 35.4	2.484	3.270	12.3	19.4

492411 2014 KO_{56} 2 2.8 183.°66 0.°6/ 2.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 28.80	+15 3.8	1.716	2.556	14.0	22.2
1 12	9 22.83	+16 0.4	1.642	2.557	10.1	22.0
1 22	9 14.43	+17 8.6	1.593	2.557	5.6	21.7
2 1	9 4.44	+18 22.0	1.572	2.557	0.9	21.4
2 11	8 54.07	+19 32.8	1.580	2.556	4.3	21.6
2 21	8 44.60	+20 34.4	1.617	2.554	8.9	21.9
3 2	8 37.13	+21 22.7	1.679	2.552	13.0	22.1
3 12	8 32.41	+21 56.0	1.763	2.549	16.5	22.3

252983 2002 QG_{72} 2 2.8 223.°17 0.°5/ 2.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 28.91	+16 24.3	2.093	2.926	12.1	23.3
1 12	9 22.62	+16 53.6	2.005	2.916	8.8	23.0
1 22	9 14.22	+17 30.2	1.942	2.905	4.9	22.8
2 1	9 4.41	+18 9.8	1.909	2.893	0.8	22.4
2 11	8 54.21	+18 47.4	1.906	2.881	3.7	22.6
2 21	8 44.69	+19 19.0	1.932	2.868	7.8	22.9
3 2	8 36.83	+19 41.6	1.986	2.854	11.5	23.1
3 12	8 31.32	+19 54.3	2.062	2.840	14.7	23.3

443892 2001 XT_{4} 2 2.8 85.°21 3.°7/31.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 2	9 37.17	+23 48.2	1.661	2.503	14.3	21.4
1 12	9 28.41	+24 55.3	1.631	2.546	10.2	21.2
1 22	9 17.24	+26 1.2	1.627	2.587	6.0	21.1
2 1	9 4.84	+26 57.2	1.652	2.628	3.7	21.0
2 11	8 52.68	+27 37.1	1.706	2.667	6.1	21.3
2 21	8 42.10	+27 58.3	1.789	2.705	9.7	21.6
3 2	8 34.05	+28 1.8	1.897	2.742	13.1	21.8
3 12	8 29.02	+27 50.5	2.026	2.777	15.8	22.1

226873 2004 TU_{78} 2 2.8 72.°05 2.°7/ 1.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 28.13	+23 0.8	1.906	2.756	12.4	20.4
1 12	9 22.12	+23 36.0	1.838	2.757	8.9	20.2
1 22	9 13.92	+24 12.7	1.796	2.759	5.2	20.0
2 1	9 4.36	+24 45.1	1.782	2.761	2.7	19.8
2 11	8 54.58	+25 8.1	1.796	2.763	5.1	20.0
2 21	8 45.74	+25 18.5	1.839	2.765	8.8	20.2
3 2	8 38.81	+25 15.5	1.907	2.767	12.3	20.4
3 12	8 34.44	+25 0.0	1.996	2.769	15.3	20.7

294832 2008 CB_{144} 2 2.8 141.°41 1.°6/ 3.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 26.46	+10 16.0	1.873	2.700	13.6	20.9
1 12	9 20.87	+10 40.8	1.800	2.704	10.0	20.7
1 22	9 13.22	+11 18.8	1.752	2.709	6.0	20.5
2 1	9 4.25	+12 6.4	1.731	2.713	2.1	20.2
2 11	8 55.03	+12 58.5	1.740	2.717	3.6	20.3
2 21	8 46.62	+13 49.7	1.777	2.721	7.7	20.6
3 2	8 39.97	+14 35.5	1.841	2.724	11.5	20.8
3 12	8 35.72	+15 12.7	1.927	2.728	14.7	21.0

13802 1998 WR_{3} 2 2.8 217.°24 4.°7/30.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 31.82	+26 1.1	1.718	2.569	13.5	17.8
1 12	9 25.23	+27 12.1	1.645	2.562	9.9	17.6
1 22	9 15.89	+28 24.2	1.596	2.555	6.3	17.3
2 1	9 4.70	+29 28.3	1.575	2.547	4.7	17.2
2 11	8 53.04	+30 16.2	1.583	2.538	7.1	17.3
2 21	8 42.36	+30 43.2	1.618	2.529	11.0	17.5
3 2	8 33.95	+30 48.7	1.678	2.519	14.6	17.8
3 12	8 28.64	+30 35.3	1.756	2.508	17.8	17.9

295552 2008 SU_{41} 2 2.8 52.°90 2.°4/ 4.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 27.30	+ 8 56.1	1.227	2.073	18.1	20.3
1 12	9 22.13	+ 9 24.2	1.174	2.087	13.4	20.0
1 22	9 14.13	+10 12.9	1.142	2.102	8.1	19.8
2 1	9 4.40	+11 16.9	1.135	2.117	3.0	19.5
2 11	8 54.50	+12 27.7	1.154	2.132	4.6	19.7
2 21	8 45.94	+13 36.5	1.198	2.148	9.8	20.0
3 2	8 39.94	+14 36.2	1.266	2.164	14.5	20.3
3 12	8 37.19	+15 22.7	1.353	2.180	18.5	20.6

112588 2002 PB_{57} 2 2.8 147.°09 0.°4/ 3.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 24.91	+13 41.4	2.560	3.385	10.4	20.6
1 12	9 19.30	+14 7.7	2.486	3.393	7.5	20.4
1 22	9 12.15	+14 41.3	2.440	3.400	4.3	20.2
2 1	9 4.08	+15 19.1	2.423	3.407	0.9	19.9
2 11	8 55.85	+15 57.2	2.437	3.414	2.8	20.1
2 21	8 48.23	+16 32.5	2.482	3.420	6.1	20.3
3 2	8 41.91	+17 2.1	2.554	3.426	9.1	20.5
3 12	8 37.40	+17 24.6	2.651	3.432	11.7	20.7

362048 2009 BM_{16} 2 2.8 44.°11 1.°1/ 3.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 27.31	+12 4.5	1.219	2.073	17.6	20.5
1 12	9 22.11	+12 32.8	1.170	2.089	12.8	20.3
1 22	9 14.10	+13 17.3	1.143	2.106	7.4	20.0
2 1	9 4.40	+14 12.1	1.140	2.124	1.8	19.7
2 11	8 54.60	+15 9.0	1.163	2.142	4.5	20.0
2 21	8 46.21	+16 0.3	1.212	2.161	9.9	20.3
3 2	8 40.42	+16 41.0	1.284	2.180	14.5	20.7
3 12	8 37.86	+17 8.4	1.376	2.200	18.4	21.0

503618 2016 GN_{128} 2 2.8 358.°48 1.°2/ 2.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 27.24	+18 49.3	1.754	2.603	13.3	20.9
1 12	9 21.62	+19 10.9	1.683	2.602	9.6	20.6
1 22	9 13.70	+19 38.0	1.636	2.602	5.3	20.4
2 1	9 4.35	+20 5.6	1.617	2.601	1.3	20.1
2 11	8 54.73	+20 28.6	1.627	2.601	4.3	20.3
2 21	8 46.06	+20 43.1	1.664	2.601	8.7	20.6
3 2	8 39.35	+20 47.4	1.726	2.602	12.6	20.8
3 12	8 35.29	+20 41.2	1.810	2.603	15.9	21.0

413498 2005 QZ_{15} 2 2.8 105.°14 0.°5/ 3.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 28.09	+13 25.7	2.012	2.841	12.7	21.9
1 12	9 21.80	+13 52.5	1.952	2.861	9.2	21.7
1 22	9 13.61	+14 28.3	1.919	2.880	5.2	21.5
2 1	9 4.32	+15 9.0	1.914	2.898	1.1	21.3
2 11	8 54.93	+15 49.8	1.939	2.916	3.3	21.5
2 21	8 46.45	+16 26.6	1.994	2.934	7.3	21.8
3 2	8 39.70	+16 56.4	2.075	2.951	10.7	22.0
3 12	8 35.24	+17 17.4	2.179	2.968	13.7	22.2

334085 2001 QO_{112} 2 2.8 119°.53 2°.4/ 4.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 2	9 25.34	+ 8 13.3	2.520	3.327	11.1	20.8
1 12	9 19.57	+ 8 8.7	2.447	3.338	8.4	20.6
1 22	9 12.29	+ 8 14.0	2.401	3.349	5.3	20.5
2 1	9 4.11	+ 8 27.8	2.384	3.360	2.7	20.3
2 11	8 55.81	+ 8 47.6	2.397	3.370	3.2	20.4
2 21	8 48.15	+ 9 10.4	2.440	3.381	6.1	20.6
3 2	8 41.79	+ 9 33.3	2.511	3.391	9.0	20.8
3 12	8 37.24	+ 9 53.9	2.607	3.400	11.5	20.9

357377 2003 SW_{319} 2 2.8 242°.04 1°.4/ 1.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 29.40	+18 29.3	1.793	2.637	13.3	21.5
1 12	9 23.31	+19 6.5	1.708	2.625	9.6	21.3
1 22	9 14.76	+19 50.9	1.648	2.613	5.4	21.0
2 1	9 4.54	+20 36.7	1.616	2.600	1.5	20.7
2 11	8 53.84	+21 17.6	1.613	2.587	4.6	20.9
2 21	8 43.94	+21 48.8	1.639	2.573	9.1	21.1
3 2	8 36.00	+22 7.4	1.690	2.559	13.2	21.3
3 12	8 30.82	+22 13.1	1.762	2.544	16.6	21.5

373968 2003 XA_{29} 2 2.9 69°.81 4°.3/ 5.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 25.05	+ 3 35.4	2.062	2.862	13.5	21.0
1 12	9 19.65	+ 3 20.3	1.991	2.871	10.5	20.9
1 22	9 12.46	+ 3 20.7	1.944	2.880	7.3	20.7
2 1	9 4.16	+ 3 36.0	1.924	2.890	4.7	20.5
2 11	8 55.69	+ 4 3.5	1.932	2.899	4.8	20.6
2 21	8 47.96	+ 4 39.2	1.969	2.908	7.4	20.7
3 2	8 41.78	+ 5 18.5	2.033	2.918	10.5	20.9
3 12	8 37.71	+ 5 57.1	2.119	2.927	13.3	21.1

334201 2001 SZ_{289} 2 2.9 119°.43 0°.6/ 3.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 27.31	+14 19.8	2.715	3.535	10.1	20.9
1 12	9 20.85	+14 18.5	2.648	3.551	7.3	20.7
1 22	9 12.95	+14 22.5	2.608	3.567	4.2	20.5
2 1	9 4.23	+14 29.6	2.599	3.582	1.0	20.3
2 11	8 55.45	+14 37.5	2.621	3.597	2.6	20.5
2 21	8 47.34	+14 43.9	2.674	3.612	5.8	20.7
3 2	8 40.54	+14 47.4	2.756	3.626	8.6	20.9
3 12	8 35.51	+14 46.8	2.862	3.640	11.0	21.1

140469 2001 TY_{133} 2 2.9 86°.84 4°.5/29.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 25.83	+28 56.0	2.300	3.148	10.6	19.5
1 12	9 20.28	+30 7.1	2.243	3.156	7.8	19.3
1 22	9 12.84	+31 15.6	2.212	3.165	5.4	19.2
2 1	9 4.23	+32 14.9	2.211	3.173	4.6	19.1
2 11	8 55.43	+32 59.6	2.238	3.181	6.3	19.2
2 21	8 47.42	+33 26.9	2.294	3.189	8.9	19.4
3 2	8 41.05	+33 36.5	2.374	3.197	11.5	19.6
3 12	8 36.89	+33 30.2	2.476	3.204	13.8	19.8

456366 2006 TT_{121} 2 2.9 44°.92 2°.3/ 4.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 26.75	+ 9 51.5	1.552	2.388	15.5	21.6
1 12	9 21.36	+ 9 56.1	1.488	2.395	11.5	21.4
1 22	9 13.60	+10 15.7	1.446	2.403	7.0	21.1
2 1	9 4.36	+10 47.0	1.430	2.411	2.8	20.9
2 11	8 54.90	+11 25.2	1.442	2.420	4.2	21.0
2 21	8 46.47	+12 4.5	1.481	2.428	8.6	21.3
3 2	8 40.13	+12 40.3	1.545	2.437	12.8	21.5
3 12	8 36.54	+13 8.8	1.630	2.446	16.3	21.8

358059 2006 HE_{43} 2 2.9 302°.52 0°.2/ 2.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 27.38	+14 35.5	1.422	2.273	15.7	21.5
1 12	9 22.31	+14 56.2	1.341	2.260	11.5	21.2
1 22	9 14.40	+15 29.4	1.282	2.247	6.6	20.9
2 1	9 4.52	+16 10.3	1.249	2.234	1.1	20.5
2 11	8 54.07	+16 52.3	1.243	2.221	4.5	20.7
2 21	8 44.56	+17 29.1	1.263	2.209	9.9	21.0
3 2	8 37.36	+17 56.2	1.307	2.197	14.8	21.2
3 12	8 33.35	+18 11.3	1.370	2.185	18.9	21.4

505214 2012 TB_{275} 2 2.9 143°.78 4°.4/ 6.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 23.30	− 0 27.7	2.826	3.592	11.1	22.0
1 12	9 18.03	− 0 34.8	2.747	3.601	8.9	21.9
1 22	9 11.42	− 0 27.7	2.692	3.609	6.6	21.7
2 1	9 4.00	− 0 7.0	2.666	3.617	4.7	21.6
2 11	8 56.44	+ 0 25.4	2.669	3.625	4.5	21.6
2 21	8 49.38	+ 1 6.4	2.703	3.632	6.2	21.7
3 2	8 43.42	+ 1 52.4	2.764	3.639	8.4	21.9
3 12	8 39.04	+ 2 39.3	2.851	3.646	10.6	22.1

243111 2007 RY_{138} 2 2.9 216°.86 3°.0/ 4.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 27.21	+ 6 37.9	1.766	2.583	14.7	20.8
1 12	9 21.64	+ 6 56.1	1.682	2.578	11.2	20.6
1 22	9 13.79	+ 7 31.9	1.622	2.572	7.2	20.3
2 1	9 4.41	+ 8 22.9	1.589	2.566	3.6	20.1
2 11	8 54.61	+ 9 23.8	1.584	2.560	4.3	20.1
2 21	8 45.57	+10 28.6	1.608	2.553	8.3	20.3
3 2	8 38.35	+11 31.0	1.658	2.546	12.3	20.6
3 12	8 33.71	+12 26.1	1.730	2.538	15.9	20.8

422496 2014 SZ_{345} 2 2.9 76°.86 8°.2/ 8.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 2	9 24.98	− 6 23.6	1.748	2.509	17.1	21.0
1 12	9 19.91	− 6 44.5	1.678	2.518	14.3	20.8
1 22	9 12.74	− 6 38.5	1.629	2.528	11.3	20.7
2 1	9 4.23	− 6 4.4	1.603	2.537	8.9	20.5
2 11	8 55.47	− 5 4.9	1.604	2.546	8.3	20.5
2 21	8 47.55	− 3 46.1	1.630	2.556	9.8	20.6
3 2	8 41.43	− 2 16.1	1.683	2.565	12.5	20.8
3 12	8 37.75	− 0 43.9	1.757	2.574	15.3	21.0

343046 2009 BM_{162} 2 2.9 155°.90 0°.1/ 2.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 23.10	+14 28.8	2.531	3.362	10.3	21.0
1 12	9 18.09	+15 14.3	2.455	3.365	7.4	20.8
1 22	9 11.55	+16 7.5	2.405	3.368	4.1	20.6
2 1	9 4.03	+17 4.7	2.386	3.370	0.6	20.3
2 11	8 56.32	+18 1.1	2.397	3.373	2.9	20.5
2 21	8 49.16	+18 52.9	2.438	3.375	6.3	20.8
3 2	8 43.27	+19 36.8	2.506	3.377	9.3	21.0
3 12	8 39.16	+20 11.2	2.599	3.379	11.9	21.1

371925 2008 ET_{13} 2 2.9 218°.28 5°.2/29.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 31.98	+32 5.0	2.366	3.203	10.8	21.8
1 12	9 24.80	+32 58.8	2.289	3.193	8.2	21.6
1 22	9 15.44	+33 47.5	2.238	3.183	5.9	21.4
2 1	9 4.67	+34 24.6	2.217	3.172	5.3	21.4
2 11	8 53.58	+34 44.8	2.225	3.160	6.8	21.4
2 21	8 43.29	+34 46.1	2.262	3.147	9.5	21.6
3 2	8 34.80	+34 29.0	2.324	3.134	12.1	21.7
3 12	8 28.78	+33 56.4	2.408	3.121	14.5	21.9

245766 2006 FW_{13} 2 2.9 50°.00 3°.6/ 5.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 26.09	+ 5 45.7	1.469	2.296	16.7	20.6
1 12	9 21.08	+ 6 4.4	1.399	2.299	12.7	20.4
1 22	9 13.55	+ 6 44.6	1.351	2.302	8.3	20.1
2 1	9 4.39	+ 7 43.3	1.328	2.305	4.2	19.9
2 11	8 54.87	+ 8 54.1	1.332	2.308	4.8	19.9
2 21	8 46.34	+10 9.2	1.363	2.312	9.1	20.2
3 2	8 39.95	+11 20.9	1.419	2.315	13.4	20.5
3 12	8 36.44	+12 23.3	1.496	2.319	17.2	20.7

182708 2001 WJ_{13} 2 2.9 217°.44 4°.1/30.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 27.84	+25 42.7	1.988	2.838	11.9	19.9
1 12	9 22.05	+26 55.5	1.916	2.834	8.7	19.7
1 22	9 14.00	+28 9.3	1.871	2.830	5.5	19.5
2 1	9 4.46	+29 16.6	1.854	2.825	4.2	19.4
2 11	8 54.56	+30 10.3	1.867	2.820	6.3	19.5
2 21	8 45.48	+30 46.2	1.907	2.815	9.7	19.7
3 2	8 38.25	+31 3.0	1.972	2.810	12.9	19.9
3 12	8 33.59	+31 2.3	2.057	2.804	15.7	20.1

128972 2004 TQ_{165} 2 2.9 329°.72 0°.6/ 2.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 28.16	+17 7.5	1.256	2.118	16.7	19.9
1 12	9 23.11	+17 21.1	1.184	2.108	12.2	19.6
1 22	9 14.94	+17 44.6	1.133	2.099	6.8	19.3
2 1	9 4.65	+18 12.2	1.106	2.091	1.1	18.9
2 11	8 53.84	+18 37.0	1.105	2.083	5.1	19.1
2 21	8 44.21	+18 53.5	1.130	2.076	10.8	19.4
3 2	8 37.22	+18 58.8	1.177	2.069	15.9	19.7
3 12	8 33.75	+18 51.8	1.242	2.063	20.1	19.9

17851 Kaler 2 2.9 304°.53 2°.3/ 1.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 27.33	+19 27.2	1.428	2.288	15.2	17.1
1 12	9 22.38	+20 13.8	1.348	2.272	11.0	16.8
1 22	9 14.51	+21 9.4	1.290	2.257	6.2	16.5
2 1	9 4.60	+22 6.3	1.259	2.242	2.3	16.2
2 11	8 54.07	+22 56.2	1.254	2.227	5.7	16.4
2 21	8 44.49	+23 32.4	1.275	2.212	10.8	16.6
3 2	8 37.27	+23 51.7	1.319	2.198	15.5	16.9
3 12	8 33.34	+23 53.8	1.383	2.184	19.5	17.1

117214 2004 RW_{216} 2 2.9 176°.94 2°.4/ 4.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 26.85	+ 8 7.4	2.407	3.214	11.6	20.4
1 12	9 20.80	+ 8 4.8	2.325	3.216	8.8	20.2
1 22	9 13.09	+ 8 12.9	2.269	3.217	5.6	20.0
2 1	9 4.33	+ 8 30.2	2.242	3.218	2.8	19.8
2 11	8 55.35	+ 8 53.8	2.245	3.219	3.4	19.8
2 21	8 47.00	+ 9 20.6	2.278	3.219	6.5	20.0
3 2	8 40.02	+ 9 47.4	2.339	3.218	9.6	20.2
3 12	8 34.97	+10 11.5	2.425	3.217	12.3	20.4

344121 1999 VD_{143} 2 2.9 143°.46 3°.7/ 1.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 35.11	+24 6.8	1.535	2.385	14.9	21.1
1 12	9 27.56	+24 48.1	1.475	2.394	10.7	20.9
1 22	9 17.15	+25 29.8	1.440	2.402	6.4	20.7
2 1	9 4.98	+26 4.0	1.432	2.410	3.7	20.5
2 11	8 52.63	+26 24.0	1.452	2.417	6.3	20.7
2 21	8 41.66	+26 26.5	1.499	2.423	10.6	21.0
3 2	8 33.29	+26 12.2	1.571	2.429	14.6	21.2
3 12	8 28.23	+25 43.8	1.662	2.434	17.9	21.5

215765 2004 FJ_{115} 2 2.9 240°.83 3°.3/31.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 2	9 29.68	+24 26.3	2.024	2.870	11.9	20.7
1 12	9 23.37	+25 13.0	1.941	2.858	8.7	20.5
1 22	9 14.76	+26 1.1	1.884	2.845	5.3	20.3
2 1	9 4.62	+26 44.0	1.855	2.831	3.3	20.1
2 11	8 54.07	+27 16.1	1.856	2.818	5.6	20.2
2 21	8 44.29	+27 33.4	1.885	2.803	9.2	20.4
3 2	8 36.34	+27 35.1	1.940	2.789	12.6	20.6
3 12	8 30.97	+27 22.2	2.016	2.774	15.6	20.8

21203 1994 PP_{20} 2 2.9 142°.88 0°.1/ 2.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 23.62	+14 41.1	2.991	3.815	9.1	20.4
1 12	9 18.23	+15 10.5	2.919	3.825	6.5	20.2
1 22	9 11.54	+15 45.6	2.874	3.835	3.7	20.1
2 1	9 4.08	+16 23.4	2.860	3.845	0.6	19.8
2 11	8 56.50	+17 0.7	2.878	3.854	2.5	20.0
2 21	8 49.43	+17 34.8	2.926	3.863	5.4	20.2
3 2	8 43.46	+18 3.5	3.003	3.871	8.0	20.4
3 12	8 39.03	+18 25.3	3.105	3.879	10.3	20.6

62979 2000 VZ_{52} 2 2.9 221°.88 3°.9/ 5.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 29.37	+ 6 5.1	1.828	2.637	14.6	19.6
1 12	9 23.15	+ 5 47.3	1.741	2.630	11.3	19.4
1 22	9 14.65	+ 5 44.5	1.678	2.622	7.6	19.2
2 1	9 4.61	+ 5 56.0	1.642	2.614	4.4	19.0
2 11	8 54.15	+ 6 19.0	1.635	2.606	4.9	19.0
2 21	8 44.44	+ 6 49.6	1.656	2.597	8.4	19.1
3 2	8 36.55	+ 7 23.0	1.703	2.588	12.2	19.4
3 12	8 31.22	+ 7 54.8	1.773	2.578	15.7	19.6

26174 1996 EP_1 2 2.9 100°.40 2°.1/ 4.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 28.08	+ 8 39.3	1.896	2.714	13.8	18.2
1 12	9 21.89	+ 9 4.1	1.838	2.736	10.2	18.1
1 22	9 13.74	+ 9 42.7	1.804	2.757	6.3	17.9
2 1	9 4.44	+10 31.6	1.798	2.778	2.6	17.7
2 11	8 55.05	+11 25.4	1.822	2.799	3.6	17.8
2 21	8 46.59	+12 19.0	1.875	2.819	7.4	18.1
3 2	8 39.93	+13 7.7	1.955	2.838	11.0	18.3
3 12	8 35.62	+13 48.4	2.058	2.857	14.0	18.5

7561 Patrickmichel 2 2.9 50°.16 5°.8/30.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 29.29	+28 13.7	1.532	2.393	14.3	16.4
1 12	9 23.28	+29 35.0	1.497	2.417	10.4	16.3
1 22	9 14.67	+30 52.1	1.485	2.442	7.0	16.1
2 1	9 4.59	+31 55.1	1.501	2.466	5.8	16.1
2 11	8 54.51	+32 36.9	1.543	2.492	8.0	16.3
2 21	8 45.84	+32 54.9	1.611	2.517	11.3	16.5
3 2	8 39.63	+32 50.4	1.702	2.542	14.5	16.8
3 12	8 36.45	+32 27.2	1.812	2.568	17.2	17.0

426767 2013 TG_{104} 2 2.9 209°.59 0°.0/ 2.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 26.53	+15 11.8	2.399	3.228	10.9	22.1
1 12	9 20.68	+15 35.6	2.314	3.223	7.9	21.9
1 22	9 13.08	+16 6.3	2.255	3.216	4.4	21.7
2 1	9 4.36	+16 40.5	2.225	3.210	0.7	21.4
2 11	8 55.35	+17 14.2	2.227	3.203	3.1	21.6
2 21	8 46.95	+17 44.1	2.258	3.195	6.7	21.8
3 2	8 39.94	+18 7.4	2.317	3.187	10.0	22.0
3 12	8 34.92	+18 22.9	2.399	3.179	12.8	22.2

99909 1994 PU_2 2 2.9 97°.37 0°.0/ 2.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 30.12	+15 24.5	1.782	2.619	13.7	20.1
1 12	9 23.47	+15 49.2	1.727	2.639	9.9	19.9
1 22	9 14.66	+16 22.0	1.696	2.659	5.5	19.7
2 1	9 4.60	+16 58.1	1.694	2.678	0.9	19.4
2 11	8 54.47	+17 32.1	1.721	2.697	3.8	19.7
2 21	8 45.43	+18 0.1	1.777	2.716	8.0	20.0
3 2	8 38.39	+18 19.5	1.858	2.734	11.8	20.2
3 12	8 33.94	+18 29.3	1.962	2.752	14.9	20.5

428142 2006 SQ_{158} 2 2.9 165°.79 2°.5/ 5.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 22.54	+ 6 6.0	2.503	3.308	11.3	21.8
1 12	9 17.71	+ 6 26.8	2.421	3.309	8.6	21.6
1 22	9 11.37	+ 7 0.5	2.365	3.310	5.6	21.4
2 1	9 4.09	+ 7 44.9	2.336	3.311	2.9	21.2
2 11	8 56.60	+ 8 36.7	2.338	3.312	3.3	21.3
2 21	8 49.64	+ 9 31.5	2.370	3.313	6.1	21.5
3 2	8 43.90	+10 25.4	2.430	3.314	9.1	21.6
3 12	8 39.90	+11 14.7	2.514	3.314	11.7	21.8

241188 2007 RA_{293} 2 2.9 6°.37 0°.2/ 2.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 23.69	+15 31.9	1.831	2.678	13.0	20.4
1 12	9 19.01	+16 2.3	1.761	2.678	9.3	20.2
1 22	9 12.28	+16 41.7	1.715	2.679	5.2	19.9
2 1	9 4.24	+17 25.4	1.696	2.681	0.8	19.6
2 11	8 55.96	+18 8.0	1.706	2.683	3.7	19.9
2 21	8 48.50	+18 44.8	1.744	2.686	8.0	20.1
3 2	8 42.78	+19 12.5	1.807	2.689	11.8	20.3
3 12	8 39.45	+19 29.4	1.892	2.693	15.0	20.6

459763 2013 QE_{58} 2 2.9 239°.69 1°.7/ 1.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 2	9 28.62	+20 3.2	2.188	3.027	11.4	22.6
1 12	9 22.46	+20 40.2	2.098	3.012	8.2	22.4
1 22	9 14.21	+21 21.7	2.033	2.997	4.7	22.1
2 1	9 4.57	+22 2.8	1.998	2.980	1.7	21.9
2 11	8 54.51	+22 38.3	1.993	2.964	4.2	22.0
2 21	8 45.08	+23 4.5	2.018	2.946	8.0	22.2
3 2	8 37.26	+23 19.2	2.069	2.929	11.5	22.4
3 12	8 31.74	+23 22.2	2.143	2.910	14.5	22.6

225268 2009 RT_{47} 2 2.9 125°.44 4°.2/31.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 29.97	+27 2.5	1.898	2.748	12.4	20.3
1 12	9 23.55	+27 44.9	1.833	2.750	9.1	20.1
1 22	9 14.81	+28 25.2	1.794	2.752	5.8	19.9
2 1	9 4.65	+28 56.8	1.782	2.754	4.2	19.8
2 11	8 54.28	+29 14.2	1.800	2.756	6.2	20.0
2 21	8 44.94	+29 15.0	1.844	2.758	9.6	20.2
3 2	8 37.64	+28 59.5	1.914	2.760	12.9	20.4
3 12	8 33.03	+28 29.9	2.005	2.762	15.7	20.6

334299 2001 VD_8 2 2.9 61°.03 2°.1/ 4.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 24.64	+ 9 14.9	2.134	2.954	12.4	20.9
1 12	9 19.29	+ 9 22.9	2.073	2.972	9.2	20.8
1 22	9 12.26	+ 9 42.4	2.036	2.990	5.7	20.6
2 1	9 4.23	+10 10.8	2.028	3.007	2.5	20.4
2 11	8 56.12	+10 44.4	2.049	3.025	3.3	20.5
2 21	8 48.78	+11 19.3	2.099	3.043	6.7	20.7
3 2	8 42.96	+11 52.0	2.177	3.061	9.9	21.0
3 12	8 39.17	+12 19.6	2.277	3.080	12.7	21.2

100153 1993 TF_{20} 2 2.9 161°.82 0°.4/ 2.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 27.75	+15 50.1	2.103	2.937	12.0	20.6
1 12	9 21.70	+16 25.5	2.030	2.942	8.7	20.4
1 22	9 13.70	+17 8.4	1.983	2.946	4.8	20.1
2 1	9 4.48	+17 54.4	1.965	2.950	0.8	19.8
2 11	8 55.03	+18 38.4	1.978	2.954	3.5	20.1
2 21	8 46.35	+19 16.0	2.020	2.957	7.4	20.3
3 2	8 39.31	+19 44.7	2.089	2.959	10.9	20.5
3 12	8 34.53	+20 3.1	2.181	2.961	13.9	20.7

35519 1998 FJ_{60} 2 2.9 95°.37 1°.7/ 4.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 25.87	+ 9 54.0	1.942	2.767	13.3	18.7
1 12	9 20.38	+10 19.1	1.876	2.779	9.8	18.5
1 22	9 12.96	+10 57.1	1.834	2.790	5.9	18.3
2 1	9 4.36	+11 44.4	1.820	2.801	2.1	18.1
2 11	8 55.58	+12 36.1	1.835	2.813	3.4	18.2
2 21	8 47.63	+13 26.9	1.880	2.824	7.3	18.5
3 2	8 41.36	+14 12.6	1.950	2.835	10.9	18.7
3 12	8 37.35	+14 50.2	2.044	2.845	14.0	18.9

166110 2002 CQ_{184} 2 2.9 90°.41 0°.6/ 2.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 28.41	+15 39.0	1.494	2.344	15.2	20.3
1 12	9 22.79	+16 21.3	1.429	2.348	11.0	20.0
1 22	9 14.55	+17 14.7	1.388	2.353	6.1	19.7
2 1	9 4.64	+18 12.8	1.373	2.357	1.0	19.4
2 11	8 54.42	+19 8.0	1.386	2.362	4.5	19.7
2 21	8 45.30	+19 53.9	1.425	2.366	9.5	20.0
3 2	8 38.44	+20 27.0	1.490	2.371	13.8	20.2
3 12	8 34.58	+20 45.8	1.574	2.375	17.5	20.5

33476 Gilanareiss 2 2.9 184°.71 0°.1/ 2.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 31.22	+15 29.4	1.771	2.606	13.9	18.5
1 12	9 24.51	+15 41.4	1.695	2.607	10.1	18.3
1 22	9 15.42	+16 1.4	1.644	2.606	5.7	18.0
2 1	9 4.79	+16 25.4	1.621	2.606	1.0	17.7
2 11	8 53.86	+16 48.6	1.628	2.605	3.9	17.9
2 21	8 43.87	+17 7.0	1.663	2.603	8.4	18.2
3 2	8 35.91	+17 18.0	1.724	2.601	12.5	18.4
3 12	8 30.69	+17 20.6	1.807	2.598	15.9	18.6

219337 2000 PD_{26} 2 2.9 95°.63 9°.3/ 8.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 28.61	− 8 2.7	1.978	2.714	16.2	19.6
1 12	9 22.39	− 9 18.0	1.907	2.723	13.8	19.5
1 22	9 14.14	−10 10.9	1.857	2.732	11.5	19.3
2 1	9 4.58	−10 38.0	1.832	2.740	9.8	19.2
2 11	8 54.76	−10 38.8	1.833	2.749	9.4	19.2
2 21	8 45.70	−10 16.1	1.860	2.757	10.5	19.3
3 2	8 38.33	− 9 35.5	1.911	2.766	12.5	19.5
3 12	8 33.30	− 8 44.1	1.985	2.774	14.8	19.6

413502 2005 QY_{72} 2 2.9 112°.59 3°.7/31.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 32.89	+26 57.5	2.015	2.857	12.1	20.8
1 12	9 25.38	+27 27.6	1.959	2.872	8.8	20.7
1 22	9 15.71	+27 54.5	1.930	2.887	5.5	20.5
2 1	9 4.82	+28 12.6	1.929	2.902	3.7	20.4
2 11	8 53.90	+28 17.5	1.958	2.917	5.7	20.5
2 21	8 44.10	+28 7.9	2.016	2.931	8.9	20.8
3 2	8 36.36	+27 44.4	2.100	2.944	12.0	21.0
3 12	8 31.22	+27 9.6	2.205	2.957	14.6	21.2

461385 2001 PJ_{14} 2 2.9 101°.18 3°.2/ 1.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 2	9 42.85	+27 29.3	2.004	2.830	12.9	21.2
1 12	9 32.24	+27 16.8	1.949	2.854	9.3	21.0
1 22	9 19.38	+26 58.0	1.920	2.877	5.6	20.9
2 1	9 5.38	+26 28.6	1.923	2.899	3.2	20.7
2 11	8 51.64	+25 46.7	1.958	2.921	5.1	20.9
2 21	8 39.43	+24 53.4	2.024	2.943	8.6	21.2
3 2	8 29.67	+23 51.4	2.119	2.963	11.9	21.4
3 12	8 22.85	+22 44.3	2.237	2.984	14.6	21.6

236903 2007 TR_{54} 2 2.9 205°.87 0°.0/ 2.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 24.60	+15 1.0	2.778	3.604	9.7	21.3
1 12	9 19.12	+15 29.3	2.691	3.599	7.0	21.1
1 22	9 12.16	+16 3.9	2.632	3.593	3.9	20.9
2 1	9 4.26	+16 41.6	2.602	3.587	0.6	20.7
2 11	8 56.13	+17 19.1	2.604	3.580	2.7	20.8
2 21	8 48.49	+17 53.1	2.637	3.573	5.9	21.0
3 2	8 42.02	+18 21.2	2.697	3.566	8.8	21.2
3 12	8 37.23	+18 42.0	2.782	3.558	11.3	21.4

82793 2001 QH_{24} 2 2.9 140°.96 4°.6/30.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 33.49	+30 1.7	2.205	3.043	11.4	19.8
1 12	9 25.76	+30 41.0	2.147	3.055	8.5	19.7
1 22	9 15.92	+31 15.2	2.115	3.066	5.7	19.5
2 1	9 4.85	+31 38.1	2.113	3.076	4.6	19.5
2 11	8 53.72	+31 45.5	2.140	3.087	6.2	19.6
2 21	8 43.64	+31 36.2	2.196	3.096	9.0	19.8
3 2	8 35.52	+31 11.2	2.278	3.105	11.8	20.0
3 12	8 29.94	+30 33.4	2.382	3.113	14.2	20.2

309912 2009 FX_{6} 2 2.9 19°.83 0°.3/ 3.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 26.17	+13 23.6	1.385	2.237	16.0	20.7
1 12	9 21.33	+14 3.3	1.321	2.240	11.7	20.5
1 22	9 13.80	+14 57.7	1.278	2.243	6.6	20.2
2 1	9 4.55	+16 0.8	1.261	2.246	1.2	19.8
2 11	8 54.95	+17 4.4	1.271	2.249	4.4	20.1
2 21	8 46.45	+18 1.2	1.308	2.254	9.6	20.4
3 2	8 40.26	+18 45.9	1.368	2.258	14.2	20.7
3 12	8 37.13	+19 16.1	1.448	2.263	18.1	20.9

166790 2002 VS_{44} 2 2.9 124°.39 1°.0/ 3.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 24.47	+11 23.0	2.627	3.445	10.4	20.8
1 12	9 18.97	+11 50.6	2.558	3.459	7.6	20.7
1 22	9 12.03	+12 26.7	2.516	3.473	4.5	20.5
2 1	9 4.23	+13 8.5	2.504	3.487	1.4	20.3
2 11	8 56.31	+13 52.3	2.522	3.500	2.7	20.4
2 21	8 48.99	+14 34.5	2.572	3.512	5.8	20.6
3 2	8 42.92	+15 12.2	2.649	3.524	8.7	20.8
3 12	8 38.56	+15 43.4	2.751	3.536	11.2	21.0

38417 1999 RN_{218} 2 2.9 261°.17 4°.6/ 6.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 23.78	+ 0 57.8	2.077	2.867	13.8	19.7
1 12	9 18.97	+ 1 9.6	1.984	2.856	11.0	19.5
1 22	9 12.28	+ 1 40.9	1.914	2.845	7.8	19.2
2 1	9 4.30	+ 2 30.9	1.871	2.834	5.2	19.1
2 11	8 55.94	+ 3 36.1	1.856	2.823	5.0	19.0
2 21	8 48.14	+ 4 51.0	1.870	2.811	7.6	19.2
3 2	8 41.78	+ 6 9.4	1.912	2.799	10.9	19.3
3 12	8 37.54	+ 7 25.0	1.976	2.788	14.0	19.5

499500 2010 NG_{38} 2 2.9 322°.12 1°.9/ 1.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 25.94	+21 11.7	2.098	2.945	11.5	21.0
1 12	9 20.49	+21 41.4	2.022	2.941	8.3	20.7
1 22	9 13.08	+22 14.2	1.972	2.936	4.7	20.5
2 1	9 4.42	+22 45.2	1.951	2.932	1.9	20.3
2 11	8 55.51	+23 9.8	1.958	2.928	4.3	20.5
2 21	8 47.35	+23 24.8	1.994	2.925	8.0	20.7
3 2	8 40.84	+23 28.6	2.056	2.921	11.3	20.9
3 12	8 36.60	+23 21.5	2.141	2.918	14.2	21.1

56037 1998 WF_{32} 2 2.9 100°.81 3°.9/ 4.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 30.64	+ 6 33.8	1.507	2.327	16.6	19.4
1 12	9 24.18	+ 6 25.7	1.447	2.343	12.6	19.2
1 22	9 15.23	+ 6 35.6	1.409	2.358	8.2	19.0
2 1	9 4.77	+ 7 1.5	1.397	2.372	4.4	18.8
2 11	8 54.13	+ 7 38.7	1.413	2.387	5.0	18.9
2 21	8 44.67	+ 8 21.5	1.456	2.401	9.0	19.1
3 2	8 37.45	+ 9 4.1	1.524	2.414	13.0	19.4
3 12	8 33.15	+ 9 41.8	1.614	2.428	16.6	19.7

366242 2012 VZ_{32} 2 2.9 123°.34 1°.5/ 3.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 30.48	+10 24.3	1.542	2.373	15.8	21.5
1 12	9 24.10	+10 56.8	1.480	2.387	11.6	21.3
1 22	9 15.21	+11 45.0	1.442	2.400	6.9	21.0
2 1	9 4.77	+12 43.8	1.430	2.413	2.1	20.7
2 11	8 54.12	+13 46.3	1.447	2.425	4.0	20.9
2 21	8 44.58	+14 45.5	1.492	2.436	8.8	21.2
3 2	8 37.27	+15 36.4	1.562	2.447	13.1	21.5
3 12	8 32.88	+16 15.7	1.654	2.458	16.7	21.7

9520 1978 VV_{6} 2 2.9 163°.90 1°.6/ 1.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 2	9 31.82	+18 53.1	1.838	2.678	13.3	19.3
1 12	9 24.89	+19 37.9	1.769	2.684	9.5	19.1
1 22	9 15.60	+20 28.6	1.726	2.690	5.3	18.9
2 1	9 4.84	+21 19.0	1.712	2.695	1.7	18.6
2 11	8 53.81	+22 2.7	1.727	2.699	4.5	18.8
2 21	8 43.75	+22 35.4	1.771	2.702	8.7	19.1
3 2	8 35.72	+22 54.9	1.842	2.705	12.5	19.3
3 12	8 30.40	+23 1.3	1.934	2.706	15.7	19.6

424290 2007 TC_{161} 2 2.9 130°.34 3°.8/31.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 28.37	+28 24.0	2.397	3.240	10.4	20.8
1 12	9 22.01	+29 1.6	2.333	3.245	7.7	20.6
1 22	9 13.82	+29 36.0	2.296	3.251	5.0	20.5
2 1	9 4.54	+30 2.1	2.289	3.257	3.9	20.4
2 11	8 55.13	+30 16.0	2.311	3.262	5.5	20.5
2 21	8 46.54	+30 15.7	2.361	3.267	8.2	20.7
3 2	8 39.58	+30 1.6	2.438	3.272	10.9	20.9
3 12	8 34.80	+29 35.3	2.537	3.277	13.2	21.1

503303 2016 AB_{109} 2 2.9 309°.63 3°.7/31.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 26.68	+22 34.2	1.517	2.379	14.3	21.0
1 12	9 21.85	+23 39.2	1.438	2.363	10.4	20.7
1 22	9 14.23	+24 50.3	1.383	2.348	6.2	20.4
2 1	9 4.66	+25 58.8	1.355	2.333	3.7	20.2
2 11	8 54.50	+26 55.5	1.353	2.319	6.6	20.4
2 21	8 45.26	+27 34.2	1.378	2.304	11.1	20.6
3 2	8 38.28	+27 52.2	1.425	2.291	15.4	20.8
3 12	8 34.46	+27 50.4	1.492	2.277	19.0	21.0

10517 1990 BH_{1} 2 2.9 340°.12 3°.8/31.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 25.38	+22 35.9	1.418	2.285	14.8	16.8
1 12	9 20.95	+23 36.5	1.348	2.276	10.7	16.5
1 22	9 13.70	+24 42.6	1.301	2.267	6.3	16.2
2 1	9 4.56	+25 45.2	1.280	2.259	3.8	16.1
2 11	8 54.96	+26 35.5	1.285	2.252	6.7	16.2
2 21	8 46.41	+27 7.4	1.315	2.245	11.2	16.4
3 2	8 40.23	+27 18.9	1.368	2.240	15.5	16.7
3 12	8 37.25	+27 11.1	1.440	2.235	19.1	16.9

152063 2004 PH_{90} 2 2.9 134°.27 2°.6/ 5.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 25.49	+ 5 3.0	2.717	3.507	10.9	21.0
1 12	9 19.64	+ 5 25.3	2.646	3.525	8.3	20.8
1 22	9 12.39	+ 5 59.7	2.601	3.542	5.4	20.7
2 1	9 4.32	+ 6 44.2	2.585	3.558	3.0	20.5
2 11	8 56.12	+ 7 35.4	2.601	3.573	3.2	20.6
2 21	8 48.51	+ 8 29.6	2.648	3.587	5.7	20.7
3 2	8 42.11	+ 9 22.8	2.724	3.601	8.4	20.9
3 12	8 37.38	+10 11.9	2.825	3.614	10.8	21.1

397035 2005 UQ_{50} 2 2.9 161°.48 3°.6/ 5.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 30.76	+ 5 21.9	1.910	2.711	14.4	21.6
1 12	9 23.97	+ 5 22.3	1.835	2.719	11.0	21.4
1 22	9 15.04	+ 5 38.6	1.783	2.726	7.3	21.2
2 1	9 4.76	+ 6 9.3	1.760	2.733	4.1	21.0
2 11	8 54.22	+ 6 50.5	1.766	2.738	4.5	21.0
2 21	8 44.52	+ 7 37.2	1.802	2.742	7.9	21.2
3 2	8 36.63	+ 8 24.4	1.865	2.746	11.5	21.5
3 12	8 31.22	+ 9 7.8	1.951	2.748	14.7	21.7

150236 1998 XV_{19} 2 2.9 99°.74 4°.3/31.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 30.25	+25 41.2	1.773	2.625	13.1	20.2
1 12	9 23.81	+26 48.7	1.721	2.640	9.5	20.0
1 22	9 14.99	+27 55.6	1.695	2.654	5.9	19.8
2 1	9 4.75	+28 53.7	1.697	2.669	4.3	19.8
2 11	8 54.36	+29 36.3	1.727	2.683	6.5	19.9
2 21	8 45.11	+30 0.1	1.785	2.697	10.0	20.2
3 2	8 38.02	+30 4.8	1.867	2.711	13.3	20.4
3 12	8 33.72	+29 53.0	1.969	2.724	16.0	20.6

351670 2006 AZ_{42} 2 2.9 358°.99 0°.6/ 3.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 25.56	+12 54.8	1.194	2.054	17.5	21.0
1 12	9 21.25	+13 27.7	1.129	2.052	12.8	20.7
1 22	9 13.94	+14 17.9	1.085	2.050	7.4	20.4
2 1	9 4.61	+15 19.4	1.065	2.050	1.5	20.0
2 11	8 54.85	+16 23.2	1.071	2.050	4.8	20.2
2 21	8 46.29	+17 20.9	1.101	2.051	10.5	20.5
3 2	8 40.32	+18 6.2	1.154	2.052	15.6	20.8
3 12	8 37.78	+18 36.2	1.225	2.055	19.8	21.1

126454 2002 CK_{26} 2 2.9 189°.24 9°.5/ 7.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 32.30	− 7 12.5	1.924	2.660	16.6	19.3
1 12	9 25.23	− 8 31.4	1.840	2.659	14.1	19.2
1 22	9 15.85	− 9 28.8	1.779	2.658	11.7	19.0
2 1	9 4.92	−10 0.6	1.743	2.656	9.9	18.9
2 11	8 53.53	−10 5.4	1.734	2.653	9.6	18.8
2 21	8 42.87	− 9 45.7	1.752	2.650	11.0	18.9
3 2	8 34.01	− 9 6.9	1.794	2.646	13.4	19.1
3 12	8 27.70	− 8 16.5	1.859	2.641	15.9	19.2

215675 2003 UF_{405} 2 2.9 359°.45 4°.2/31.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 2	9 26.58	+23 7.3	1.224	2.097	16.3	20.2
1 12	9 22.06	+24 6.6	1.164	2.094	11.8	20.0
1 22	9 14.40	+25 10.4	1.126	2.093	7.0	19.7
2 1	9 4.69	+26 8.6	1.113	2.092	4.2	19.5
2 11	8 54.59	+26 51.7	1.125	2.092	7.3	19.7
2 21	8 45.83	+27 13.9	1.161	2.093	12.1	20.0
3 2	8 39.83	+27 14.1	1.219	2.096	16.6	20.2
3 12	8 37.36	+26 54.5	1.294	2.099	20.4	20.5

109351 2001 QX_{152} 2 2.9 139°.66 0°.7/ 2.4 18

1 2	9 26.99	+16 3.8	1.932	2.772	12.7	20.3
1 12	9 21.32	+16 51.5	1.863	2.778	9.1	20.1
1 22	9 13.58	+17 47.8	1.819	2.783	5.0	19.8
2 1	9 4.54	+18 47.2	1.804	2.789	0.9	19.6
2 11	8 55.25	+19 43.5	1.819	2.794	3.9	19.8
2 21	8 46.77	+20 31.8	1.862	2.798	8.0	20.0
3 2	8 40.06	+21 8.7	1.931	2.803	11.6	20.3
3 12	8 35.75	+21 33.1	2.023	2.807	14.7	20.5

220569 2004 HP_{47} 2 2.9 192°.91 3°.0/31.3 18

1 2	9 27.06	+21 32.2	2.029	2.875	11.9	20.3
1 12	9 21.47	+22 58.4	1.956	2.874	8.5	20.1
1 22	9 13.74	+24 30.0	1.910	2.873	5.0	19.9
2 1	9 4.58	+25 59.3	1.894	2.871	3.0	19.8
2 11	8 55.04	+27 18.6	1.907	2.869	5.4	19.9
2 21	8 46.23	+28 22.3	1.950	2.866	9.0	20.1
3 2	8 39.14	+29 7.7	2.018	2.863	12.4	20.3
3 12	8 34.47	+29 34.9	2.108	2.860	15.2	20.5

369756 2012 FG_{72} 2 2.9 338°.55 2°.4/ 3.6 18

1 2	9 28.57	+14 19.4	1.225	2.083	17.3	19.0
1 12	9 23.55	+13 24.1	1.144	2.064	13.0	18.7
1 22	9 15.33	+12 35.7	1.085	2.047	7.9	18.4
2 1	9 4.87	+11 53.6	1.049	2.031	2.9	18.0
2 11	8 53.78	+11 16.6	1.039	2.017	5.1	18.1
2 21	8 43.81	+10 43.4	1.054	2.004	10.7	18.4
3 2	8 36.47	+10 12.4	1.091	1.993	16.0	18.7
3 12	8 32.73	+ 9 41.7	1.146	1.983	20.5	18.9

165309 2000 UU_{28} 2 2.9 146°.52 0°.3/ 2.7 18

1 2	9 29.66	+14 49.9	1.990	2.821	12.7	21.2
1 12	9 23.13	+15 36.7	1.923	2.833	9.2	21.0
1 22	9 14.56	+16 32.6	1.882	2.844	5.1	20.8
2 1	9 4.70	+17 32.1	1.870	2.855	0.8	20.5
2 11	8 54.64	+18 29.4	1.889	2.864	3.6	20.7
2 21	8 45.43	+19 19.6	1.937	2.873	7.7	21.0
3 2	8 38.01	+19 59.2	2.012	2.881	11.3	21.2
3 12	8 33.00	+20 27.0	2.110	2.888	14.4	21.4

496738 2016 GH_{248} 2 2.9 164°.58 0°.5/ 3.3 17

1 2	9 25.62	+13 36.6	2.245	3.074	11.5	21.6
1 12	9 20.10	+13 58.5	2.169	3.077	8.4	21.4
1 22	9 12.82	+14 28.8	2.118	3.078	4.8	21.2
2 1	9 4.43	+15 4.1	2.096	3.080	1.0	20.9
2 11	8 55.82	+15 40.4	2.104	3.082	3.1	21.1
2 21	8 47.89	+16 13.9	2.142	3.083	6.8	21.3
3 2	8 41.42	+16 41.6	2.207	3.084	10.2	21.5
3 12	8 37.00	+17 1.7	2.295	3.085	13.0	21.7

296773 2009 UO_{103} 2 2.9 92°.59 0°.4/ 3.2 18

1 2	9 26.63	+14 8.5	1.951	2.786	12.8	21.0
1 12	9 20.98	+14 31.0	1.883	2.794	9.2	20.8
1 22	9 13.36	+15 2.5	1.841	2.803	5.2	20.6
2 1	9 4.52	+15 39.0	1.826	2.811	1.0	20.3
2 11	8 55.49	+16 15.7	1.841	2.818	3.4	20.5
2 21	8 47.30	+16 48.5	1.885	2.826	7.5	20.8
3 2	8 40.83	+17 14.3	1.955	2.834	11.1	21.0
3 12	8 36.68	+17 31.4	2.047	2.842	14.2	21.2

494002 2016 AF_{111} 2 2.9 70°.45 1°.7/ 1.9 18

1 2	9 28.36	+18 11.1	1.570	2.422	14.5	20.8
1 12	9 22.58	+19 3.6	1.517	2.438	10.3	20.6
1 22	9 14.36	+20 3.5	1.488	2.453	5.7	20.4
2 1	9 4.68	+21 3.5	1.485	2.469	1.7	20.1
2 11	8 54.87	+21 56.4	1.512	2.485	4.8	20.4
2 21	8 46.20	+22 36.8	1.565	2.500	9.3	20.7
3 2	8 39.74	+23 2.3	1.643	2.516	13.2	21.0
3 12	8 36.11	+23 12.9	1.741	2.532	16.5	21.2

199545 2006 DB_{215} 2 2.9 51°.20 0°.5/ 3.3 18

1 2	9 25.70	+13 42.0	1.948	2.784	12.8	20.8
1 12	9 20.36	+14 2.0	1.877	2.788	9.3	20.6
1 22	9 13.04	+14 31.5	1.830	2.792	5.3	20.4
2 1	9 4.48	+15 6.7	1.811	2.795	1.1	20.1
2 11	8 55.70	+15 43.0	1.822	2.799	3.4	20.3
2 21	8 47.71	+16 16.0	1.860	2.803	7.5	20.5
3 2	8 41.41	+16 42.6	1.926	2.807	11.2	20.8
3 12	8 37.41	+17 0.9	2.013	2.811	14.3	21.0

162044 1996 RP_3 2 2.9 112°.63 3°.7/31.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 2	9 28.56	+27 37.2	2.333	3.176	10.7	19.8
1 12	9 22.18	+28 13.1	2.271	3.184	7.8	19.7
1 22	9 13.95	+28 46.4	2.236	3.192	5.0	19.5
2 1	9 4.62	+29 11.9	2.230	3.200	3.7	19.4
2 11	8 55.18	+29 25.4	2.254	3.208	5.4	19.5
2 21	8 46.60	+29 25.3	2.306	3.216	8.2	19.7
3 2	8 39.68	+29 11.5	2.385	3.223	10.9	19.9
3 12	8 34.97	+28 45.9	2.486	3.231	13.3	20.1

9426 Aliante 2 2.9 146°.92 1°.3/ 1.9 18

1 2	9 26.38	+18 49.7	2.180	3.021	11.4	18.4
1 12	9 20.72	+19 27.7	2.109	3.025	8.1	18.2
1 22	9 13.20	+20 10.7	2.064	3.028	4.5	18.0
2 1	9 4.51	+20 53.8	2.048	3.032	1.4	17.8
2 11	8 55.62	+21 32.3	2.063	3.035	3.8	17.9
2 21	8 47.46	+22 2.4	2.106	3.038	7.5	18.2
3 2	8 40.89	+22 22.1	2.176	3.041	10.8	18.4
3 12	8 36.48	+22 30.8	2.268	3.044	13.6	18.6

249039 2007 TW_{61} 2 2.9 186°.90 0°.6/ 2.4 17

1 2	9 25.14	+17 23.2	2.803	3.633	9.5	21.8
1 12	9 19.51	+17 53.2	2.723	3.633	6.8	21.6
1 22	9 12.41	+18 27.8	2.669	3.632	3.8	21.4
2 1	9 4.39	+19 3.6	2.646	3.630	0.8	21.1
2 11	8 56.17	+19 37.2	2.654	3.628	2.9	21.3
2 21	8 48.48	+20 5.5	2.693	3.626	6.0	21.5
3 2	8 41.98	+20 26.8	2.760	3.623	8.8	21.7
3 12	8 37.18	+20 39.9	2.851	3.620	11.2	21.9

496405 2013 UY_5 2 2.9 134°.98 3°.3/ 5.5 18

1 2	9 26.16	+ 4 39.6	2.454	3.246	11.8	22.1
1 12	9 20.28	+ 4 38.9	2.381	3.259	9.1	22.0
1 22	9 12.84	+ 4 51.2	2.333	3.271	6.2	21.8
2 1	9 4.45	+ 5 15.1	2.314	3.283	3.7	21.7
2 11	8 55.92	+ 5 47.8	2.325	3.294	3.8	21.7
2 21	8 48.03	+ 6 25.7	2.366	3.305	6.4	21.9
3 2	8 41.49	+ 7 5.2	2.435	3.315	9.2	22.1
3 12	8 36.78	+ 7 42.7	2.529	3.325	11.8	22.2

409989 2006 VL_{136} 2 2.9 94°.58 7°.2/ 8.0 18

1 2	9 28.57	− 4 18.3	1.936	2.695	15.7	21.4
1 12	9 22.26	− 4 49.4	1.876	2.718	12.9	21.3
1 22	9 14.02	− 4 58.0	1.839	2.742	10.0	21.2
2 1	9 4.66	− 4 43.5	1.827	2.765	7.8	21.1
2 11	8 55.19	− 4 8.2	1.843	2.787	7.3	21.1
2 21	8 46.62	− 3 17.0	1.887	2.809	8.9	21.2
3 2	8 39.80	− 2 16.2	1.956	2.830	11.4	21.4
3 12	8 35.28	− 1 12.6	2.049	2.851	13.9	21.6

2341 Aoluta 2 2.9 65°.18 3°.3/ 1.2 18

1 2	9 31.74	+21 3.4	1.200	2.064	17.1	15.7
1 12	9 25.55	+22 3.4	1.155	2.082	12.2	15.4
1 22	9 16.22	+23 8.7	1.133	2.099	6.9	15.2
2 1	9 5.02	+24 9.1	1.135	2.117	3.3	15.0
2 11	8 53.75	+24 55.3	1.164	2.134	6.6	15.3
2 21	8 44.11	+25 22.2	1.218	2.152	11.5	15.6
3 2	8 37.41	+25 29.0	1.294	2.170	15.9	15.9
3 12	8 34.29	+25 18.0	1.389	2.188	19.5	16.2

220613 2004 PC_{37} 2 2.9 215°.10 0°.6/ 3.3 18

1 2	9 26.29	+13 3.6	2.167	2.995	11.9	21.1
1 12	9 20.72	+13 32.1	2.083	2.990	8.7	20.9
1 22	9 13.26	+14 10.3	2.024	2.985	5.0	20.6
2 1	9 4.56	+14 54.7	1.994	2.978	1.1	20.3
2 11	8 55.54	+15 40.5	1.995	2.972	3.2	20.5
2 21	8 47.15	+16 23.5	2.025	2.965	7.1	20.7
3 2	8 40.28	+17 0.1	2.082	2.958	10.7	20.9
3 12	8 35.55	+17 28.1	2.162	2.951	13.7	21.1

188694 2005 TJ_{18} 2 2.9 173°.39 1°.7/ 4.0 18

1 2	9 30.16	+ 9 47.5	1.814	2.635	14.2	21.6
1 12	9 23.73	+10 15.8	1.738	2.639	10.6	21.4
1 22	9 15.03	+10 58.6	1.686	2.642	6.4	21.1
2 1	9 4.85	+11 51.8	1.662	2.644	2.2	20.9
2 11	8 54.34	+12 50.0	1.668	2.646	3.7	21.0
2 21	8 44.69	+13 47.0	1.703	2.646	8.1	21.2
3 2	8 36.92	+14 38.0	1.765	2.646	12.1	21.5
3 12	8 31.75	+15 19.7	1.849	2.645	15.5	21.7

56010 1998 UJ_8 2 2.9 62°.77 2°.9/ 4.5 18

1 2	9 29.03	+ 8 27.2	1.273	2.113	18.0	18.5
1 12	9 23.36	+ 8 40.6	1.221	2.130	13.4	18.3
1 22	9 14.92	+ 9 13.8	1.190	2.147	8.3	18.0
2 1	9 4.83	+10 2.3	1.184	2.164	3.5	17.8
2 11	8 54.59	+10 59.2	1.204	2.182	4.7	17.9
2 21	8 45.71	+11 56.6	1.251	2.200	9.6	18.2
3 2	8 39.36	+12 48.1	1.320	2.218	14.1	18.5
3 12	8 36.19	+13 29.3	1.411	2.235	17.9	18.8

137197 1999 KA_1 2 2.9 252.°06 0.°8/ 3.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 2	9 30.06	+12 29.0	1.461	2.302	16.0	20.8
1 12	9 24.35	+12 58.9	1.375	2.288	11.8	20.5
1 22	9 15.72	+13 44.6	1.311	2.273	6.9	20.2
2 1	9 5.01	+14 41.3	1.274	2.258	1.6	19.8
2 11	8 53.59	+15 41.6	1.264	2.242	4.4	20.0
2 21	8 43.02	+16 38.1	1.281	2.225	9.9	20.2
3 2	8 34.73	+17 25.0	1.322	2.209	14.9	20.5
3 12	8 29.68	+17 59.1	1.384	2.191	19.1	20.7

519876 2013 NP_{31} 2 2.9 199.°42 0.°5/ 3.3 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 26.79	+13 8.0	2.284	3.109	11.5	22.6
1 12	9 20.99	+13 39.5	2.200	3.106	8.4	22.4
1 22	9 13.38	+14 20.3	2.142	3.102	4.8	22.1
2 1	9 4.59	+15 6.7	2.114	3.098	1.0	21.8
2 11	8 55.50	+15 54.3	2.116	3.093	3.1	22.0
2 21	8 47.02	+16 38.7	2.148	3.087	6.9	22.2
3 2	8 40.00	+17 16.7	2.207	3.081	10.3	22.4
3 12	8 35.03	+17 46.0	2.290	3.074	13.2	22.6

408336 2013 GK_{75} 2 2.9 311.°32 1.°0/ 2.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 27.55	+17 1.8	1.419	2.275	15.5	21.5
1 12	9 22.52	+17 33.3	1.342	2.264	11.2	21.2
1 22	9 14.65	+18 15.1	1.287	2.253	6.3	20.9
2 1	9 4.83	+19 1.3	1.258	2.242	1.3	20.5
2 11	8 54.47	+19 44.3	1.256	2.232	4.9	20.8
2 21	8 45.10	+20 18.0	1.279	2.222	10.2	21.0
3 2	8 38.07	+20 38.7	1.326	2.212	14.9	21.3
3 12	8 34.24	+20 45.2	1.393	2.203	18.9	21.5

183336 2002 VQ_{81} 2 2.9 20.°81 0.°4/ 3.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 23.14	+12 21.1	1.196	2.058	17.3	18.8
1 12	9 19.36	+13 10.6	1.144	2.067	12.6	18.5
1 22	9 12.80	+14 17.9	1.113	2.078	7.2	18.2
2 1	9 4.51	+15 35.5	1.106	2.090	1.4	17.9
2 11	8 56.00	+16 53.8	1.125	2.104	4.6	18.2
2 21	8 48.75	+18 3.6	1.168	2.118	10.0	18.5
3 2	8 43.97	+18 58.7	1.235	2.134	14.8	18.8
3 12	8 42.34	+19 36.2	1.320	2.150	18.7	19.1

110078 2001 SH_{114} 2 2.9 248.°70 2.°3/ 4.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 24.04	+ 7 35.8	2.583	3.390	10.9	20.1
1 12	9 18.90	+ 7 44.8	2.486	3.376	8.3	19.9
1 22	9 12.17	+ 8 4.9	2.414	3.361	5.3	19.7
2 1	9 4.41	+ 8 34.6	2.370	3.347	2.7	19.5
2 11	8 56.33	+ 9 11.0	2.357	3.332	3.2	19.5
2 21	8 48.71	+ 9 50.7	2.375	3.316	6.1	19.7
3 2	8 42.26	+10 30.0	2.420	3.301	9.2	19.8
3 12	8 37.55	+11 6.0	2.490	3.285	12.0	20.0

427622 2003 UT_{25} 2 2.9 358.°62 21.°4/17.0 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 26.29	−23 50.2	1.113	1.809	28.3	21.7
1 12	9 22.25	−25 59.2	1.054	1.808	26.4	21.5
1 22	9 14.81	−27 20.5	1.006	1.808	24.5	21.3
2 1	9 4.90	−27 41.4	0.972	1.807	22.7	21.2
2 11	8 54.20	−26 55.5	0.952	1.807	21.6	21.1
2 21	8 44.63	−25 5.8	0.948	1.808	21.5	21.1
3 2	8 37.92	−22 24.8	0.961	1.808	22.5	21.2
3 12	8 35.15	−19 12.6	0.990	1.810	24.2	21.3

138653 2000 RT_{76} 2 2.9 198.°07 3.°3/31.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 28.57	+28 34.8	2.843	3.679	9.2	20.2
1 12	9 22.01	+29 2.9	2.767	3.676	6.8	20.0
1 22	9 13.83	+29 28.0	2.719	3.673	4.4	19.9
2 1	9 4.67	+29 45.9	2.701	3.669	3.4	19.8
2 11	8 55.35	+29 53.2	2.714	3.665	4.8	19.9
2 21	8 46.68	+29 48.5	2.757	3.661	7.2	20.0
3 2	8 39.39	+29 31.9	2.826	3.656	9.7	20.2
3 12	8 34.01	+29 4.6	2.919	3.651	11.8	20.4

232857 2004 TQ_{217} 2 2.9 124.°88 1.°7/ 1.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 28.07	+20 11.4	2.064	2.907	11.9	21.2
1 12	9 22.01	+20 44.4	1.998	2.914	8.5	21.0
1 22	9 13.96	+21 21.0	1.957	2.921	4.8	20.8
2 1	9 4.70	+21 56.2	1.945	2.928	1.7	20.6
2 11	8 55.27	+22 25.3	1.963	2.934	4.2	20.8
2 21	8 46.68	+22 44.9	2.010	2.941	7.9	21.0
3 2	8 39.83	+22 53.4	2.083	2.947	11.2	21.2
3 12	8 35.30	+22 51.1	2.178	2.953	14.1	21.4

209915 2005 PS_2 2 2.9 199.°41 0.°7/ 2.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 26.07	+19 0.7	3.130	3.957	8.7	20.8
1 12	9 20.05	+19 13.0	3.044	3.953	6.2	20.6
1 22	9 12.69	+19 27.8	2.987	3.949	3.4	20.4
2 1	9 4.50	+19 42.4	2.960	3.944	0.8	20.2
2 11	8 56.13	+19 54.3	2.965	3.939	2.7	20.3
2 21	8 48.26	+20 1.4	3.002	3.933	5.5	20.5
3 2	8 41.49	+20 2.8	3.067	3.927	8.1	20.7
3 12	8 36.28	+19 57.9	3.157	3.920	10.4	20.8

468598 2007 UG_{111} 2 2.9 266.°88 3.°0/ 5.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 2	9 23.72	+ 6 5.2	2.276	3.083	12.2	21.5
1 12	9 18.78	+ 6 10.2	2.191	3.080	9.3	21.3
1 22	9 12.14	+ 6 28.6	2.131	3.076	6.2	21.1
2 1	9 4.42	+ 6 58.8	2.098	3.072	3.4	20.9
2 11	8 56.43	+ 7 37.8	2.095	3.068	3.7	20.9
2 21	8 49.01	+ 8 21.5	2.122	3.065	6.7	21.1
3 2	8 42.95	+ 9 5.7	2.175	3.061	9.9	21.3
3 12	8 38.82	+ 9 46.7	2.252	3.057	12.7	21.4

245163 2004 TW_{89} 2 2.9 220.°28 2.°3/ 4.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 32.50	+10 58.2	1.803	2.623	14.3	20.7
1 12	9 25.53	+10 39.1	1.716	2.616	10.7	20.4
1 22	9 16.13	+10 30.3	1.653	2.607	6.6	20.2
2 1	9 5.09	+10 30.2	1.618	2.599	2.8	19.9
2 11	8 53.62	+10 35.8	1.613	2.589	4.1	20.0
2 21	8 42.97	+10 44.1	1.637	2.579	8.4	20.2
3 2	8 34.29	+10 51.9	1.688	2.568	12.5	20.4
3 12	8 28.32	+10 56.9	1.760	2.557	16.1	20.6

272493 2005 UZ_{147} 2 2.9 39.°45 1.°5/ 2.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 27.94	+19 18.0	1.714	2.564	13.5	21.0
1 12	9 22.24	+19 47.2	1.648	2.568	9.7	20.8
1 22	9 14.23	+20 21.7	1.607	2.572	5.4	20.5
2 1	9 4.76	+20 56.1	1.593	2.576	1.6	20.3
2 11	8 55.07	+21 24.6	1.607	2.581	4.5	20.5
2 21	8 46.37	+21 43.3	1.649	2.585	8.8	20.7
3 2	8 39.70	+21 50.3	1.716	2.590	12.7	21.0
3 12	8 35.72	+21 45.7	1.804	2.595	16.0	21.2

432143 2009 BP_{90} 2 2.9 17.°04 0.°2/ 3.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 24.86	+15 15.7	1.737	2.583	13.6	20.7
1 12	9 19.94	+15 28.2	1.672	2.589	9.8	20.5
1 22	9 12.89	+15 49.3	1.631	2.595	5.5	20.3
2 1	9 4.54	+16 15.0	1.617	2.602	1.0	20.0
2 11	8 56.00	+16 40.6	1.632	2.610	3.7	20.2
2 21	8 48.39	+17 2.1	1.674	2.618	8.0	20.5
3 2	8 42.64	+17 16.6	1.741	2.627	11.9	20.7
3 12	8 39.36	+17 22.5	1.829	2.637	15.1	21.0

354902 2006 BZ_{281} 2 2.9 8.°36 1.°7/ 2.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 28.25	+18 48.6	1.149	2.018	17.4	21.3
1 12	9 23.32	+19 13.4	1.090	2.018	12.6	21.1
1 22	9 15.17	+19 46.8	1.052	2.019	7.0	20.8
2 1	9 4.94	+20 21.2	1.037	2.022	1.8	20.4
2 11	8 54.37	+20 48.9	1.049	2.025	5.7	20.7
2 21	8 45.24	+21 4.3	1.084	2.029	11.3	21.0
3 2	8 38.97	+21 5.1	1.141	2.034	16.2	21.3
3 12	8 36.31	+20 51.7	1.216	2.039	20.3	21.6

345560 2006 RK_{64} 2 2.9 181.°18 2.°5/ 5.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 22.88	+ 4 52.1	3.035	3.825	9.9	22.6
1 12	9 17.80	+ 5 10.6	2.948	3.826	7.6	22.4
1 22	9 11.45	+ 5 40.4	2.887	3.826	5.1	22.2
2 1	9 4.30	+ 6 19.9	2.855	3.826	2.9	22.1
2 11	8 56.97	+ 7 6.4	2.855	3.826	3.0	22.1
2 21	8 50.07	+ 7 56.5	2.885	3.825	5.3	22.3
3 2	8 44.17	+ 8 46.8	2.945	3.823	7.8	22.4
3 12	8 39.72	+ 9 34.3	3.030	3.821	10.1	22.6

237536 2000 TW_{12} 2 2.9 155.°59 1.°7/ 4.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 29.88	+10 1.4	2.067	2.882	12.9	21.8
1 12	9 23.25	+10 18.3	1.994	2.892	9.6	21.6
1 22	9 14.66	+10 46.8	1.947	2.901	5.8	21.4
2 1	9 4.84	+11 23.9	1.928	2.909	2.2	21.2
2 11	8 54.80	+12 5.3	1.939	2.916	3.4	21.3
2 21	8 45.57	+12 46.6	1.981	2.922	7.2	21.5
3 2	8 38.02	+13 23.9	2.050	2.928	10.8	21.8
3 12	8 32.76	+13 54.5	2.142	2.932	13.8	22.0

310405 1999 RR_{37} 2 2.9 71.°84 0.°8/ 2.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 29.98	+17 5.8	1.496	2.345	15.2	21.0
1 12	9 23.84	+17 35.0	1.441	2.360	10.9	20.7
1 22	9 15.14	+18 12.3	1.409	2.374	6.0	20.5
2 1	9 4.92	+18 51.6	1.404	2.388	1.1	20.2
2 11	8 54.56	+19 26.6	1.427	2.403	4.5	20.5
2 21	8 45.44	+19 52.5	1.477	2.417	9.3	20.8
3 2	8 38.66	+20 6.8	1.551	2.432	13.4	21.1
3 12	8 34.84	+20 9.3	1.646	2.446	16.9	21.3

313632 2003 SE_{11} 2 2.9 50.°02 4.°4/ 3.5 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 44.00	+14 25.6	0.904	1.758	22.3	19.2
1 12	9 35.06	+12 30.4	0.851	1.767	16.7	18.9
1 22	9 21.84	+10 41.3	0.817	1.777	10.3	18.6
2 1	9 6.03	+ 9 1.9	0.807	1.787	4.8	18.3
2 11	8 50.15	+ 7 35.9	0.822	1.797	7.1	18.5
2 21	8 36.65	+ 6 25.7	0.862	1.808	13.1	18.8
3 2	8 27.21	+ 5 30.6	0.922	1.820	18.7	19.2
3 12	8 22.52	+ 4 46.9	1.000	1.831	23.2	19.5

165579 2001 EA_4 2 2.9 356°.26 2°.1/ 1.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 2	9 26.40	+19 28.3	1.207	2.077	16.7	19.9
1 12	9 21.95	+20 0.2	1.143	2.072	12.0	19.6
1 22	9 14.40	+20 40.2	1.101	2.069	6.8	19.3
2 1	9 4.83	+21 20.6	1.084	2.067	2.2	19.0
2 11	8 54.85	+21 53.3	1.091	2.066	5.8	19.2
2 21	8 46.17	+22 12.6	1.123	2.066	11.2	19.5
3 2	8 40.17	+22 16.1	1.177	2.067	16.0	19.8
3 12	8 37.65	+22 4.1	1.249	2.070	20.1	20.1

503769 2016 QA_{10} 2 2.9 264°.97 2°.2/31.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 21.81	+23 50.9	3.145	3.987	8.2	20.9
1 12	9 17.11	+24 35.5	3.067	3.982	5.9	20.7
1 22	9 11.09	+25 21.0	3.017	3.978	3.5	20.5
2 1	9 4.26	+26 3.7	2.997	3.973	2.2	20.4
2 11	8 57.23	+26 40.1	3.007	3.968	3.7	20.5
2 21	8 50.65	+27 7.8	3.047	3.963	6.2	20.7
3 2	8 45.12	+27 25.3	3.115	3.958	8.5	20.8
3 12	8 41.10	+27 32.6	3.206	3.953	10.6	21.0

412169 2013 GX_{89} 2 2.9 233°.95 1°.4/ 2.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 29.84	+18 50.9	1.922	2.763	12.7	21.9
1 12	9 23.61	+19 25.5	1.836	2.752	9.2	21.6
1 22	9 15.06	+20 6.3	1.776	2.740	5.2	21.4
2 1	9 4.94	+20 47.9	1.744	2.727	1.5	21.1
2 11	8 54.37	+21 24.5	1.742	2.714	4.3	21.3
2 21	8 44.56	+21 51.7	1.768	2.701	8.6	21.5
3 2	8 36.58	+22 7.2	1.820	2.687	12.5	21.7
3 12	8 31.20	+22 10.7	1.895	2.673	15.8	21.9

148774 2001 UK_4 2 2.9 82°.98 1°.5/ 1.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 27.81	+18 46.0	1.779	2.627	13.2	20.1
1 12	9 22.08	+19 26.8	1.716	2.634	9.5	19.9
1 22	9 14.11	+20 13.6	1.677	2.642	5.3	19.7
2 1	9 4.76	+21 0.6	1.667	2.650	1.6	19.4
2 11	8 55.21	+21 41.7	1.685	2.658	4.4	19.6
2 21	8 46.62	+22 12.4	1.731	2.666	8.6	19.9
3 2	8 39.98	+22 30.7	1.803	2.674	12.4	20.2
3 12	8 35.93	+22 36.2	1.895	2.682	15.5	20.4

325974 2010 VS_{160} 2 2.9 121°.31 0°.8/ 2.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 28.90	+17 23.8	1.868	2.709	13.0	21.3
1 12	9 22.75	+17 54.4	1.803	2.718	9.3	21.1
1 22	9 14.44	+18 31.4	1.762	2.726	5.2	20.8
2 1	9 4.82	+19 10.0	1.750	2.735	1.1	20.6
2 11	8 55.00	+19 44.8	1.768	2.743	3.9	20.8
2 21	8 46.11	+20 11.8	1.814	2.751	8.1	21.1
3 2	8 39.12	+20 28.6	1.886	2.758	11.8	21.3
3 12	8 34.63	+20 34.7	1.980	2.765	14.9	21.5

89645 2001 XX_{229} 2 2.9 217°.16 2°.1/ 1.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 24.86	+21 58.7	2.585	3.426	9.8	20.1
1 12	9 19.51	+22 41.6	2.507	3.422	7.0	19.9
1 22	9 12.53	+23 26.8	2.455	3.418	4.0	19.7
2 1	9 4.51	+24 10.0	2.434	3.414	2.1	19.5
2 11	8 56.26	+24 46.8	2.443	3.409	4.0	19.7
2 21	8 48.59	+25 14.2	2.482	3.405	7.0	19.9
3 2	8 42.24	+25 30.5	2.547	3.400	9.9	20.0
3 12	8 37.75	+25 35.7	2.636	3.395	12.3	20.2

115964 2003 WH_{42} 2 2.9 37°.13 0°.1/ 3.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 25.41	+14 40.0	1.753	2.597	13.6	19.4
1 12	9 20.29	+15 4.4	1.693	2.609	9.8	19.2
1 22	9 13.08	+15 38.2	1.657	2.620	5.5	18.9
2 1	9 4.60	+16 16.9	1.648	2.633	1.0	18.6
2 11	8 55.97	+16 55.2	1.668	2.645	3.6	18.9
2 21	8 48.28	+17 28.4	1.715	2.658	7.9	19.2
3 2	8 42.45	+17 53.5	1.788	2.672	11.8	19.4
3 12	8 39.08	+18 8.8	1.882	2.686	14.9	19.7

54412 2000 LU_{10} 2 2.9 249°.52 1°.0/ 3.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 25.21	+10 18.2	1.893	2.722	13.4	18.8
1 12	9 20.24	+11 10.7	1.808	2.715	9.9	18.6
1 22	9 13.16	+12 18.7	1.748	2.707	5.8	18.3
2 1	9 4.64	+13 37.7	1.715	2.699	1.6	18.0
2 11	8 55.70	+15 0.9	1.713	2.691	3.5	18.2
2 21	8 47.42	+16 21.4	1.739	2.682	7.9	18.4
3 2	8 40.79	+17 33.2	1.792	2.674	11.8	18.6
3 12	8 36.54	+18 32.6	1.867	2.665	15.2	18.8

44868 1999 UQ_{29} 2 2.9 165°.94 3°.3/31.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 31.26	+23 53.0	1.913	2.758	12.6	19.5
1 12	9 24.54	+24 42.1	1.846	2.762	9.1	19.2
1 22	9 15.50	+25 32.4	1.805	2.766	5.4	19.0
2 1	9 5.02	+26 17.2	1.792	2.769	3.3	18.9
2 11	8 54.28	+26 50.3	1.809	2.772	5.5	19.0
2 21	8 44.50	+27 8.4	1.854	2.774	9.2	19.3
3 2	8 36.73	+27 10.8	1.925	2.775	12.6	19.5
3 12	8 31.63	+26 58.9	2.017	2.777	15.6	19.7

404955 1997 SK_{11} 2 2.9 82°.29 2°.7/ 1.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 2	9 33.55	+22 48.6	1.826	2.669	13.2	21.1
1 12	9 25.88	+23 24.6	1.786	2.701	9.4	20.9
1 22	9 16.06	+24 0.8	1.771	2.733	5.4	20.8
2 1	9 5.08	+24 31.2	1.784	2.764	2.7	20.6
2 11	8 54.23	+24 51.0	1.828	2.795	5.0	20.9
2 21	8 44.66	+24 57.9	1.900	2.825	8.6	21.1
3 2	8 37.26	+24 51.9	1.998	2.854	12.0	21.4
3 12	8 32.55	+24 34.8	2.117	2.883	14.7	21.7

382352 2013 TF_{76} 2 2.9 114°.84 2°.4/ 4.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 25.13	+ 7 36.6	2.262	3.073	12.1	21.4
1 12	9 19.72	+ 7 46.0	2.189	3.082	9.1	21.3
1 22	9 12.65	+ 8 7.7	2.142	3.091	5.8	21.1
2 1	9 4.55	+ 8 39.5	2.122	3.099	2.9	20.9
2 11	8 56.28	+ 9 18.0	2.133	3.108	3.4	20.9
2 21	8 48.68	+ 9 59.1	2.173	3.116	6.5	21.2
3 2	8 42.50	+10 39.1	2.240	3.124	9.7	21.4
3 12	8 38.27	+11 14.6	2.332	3.132	12.5	21.6

155228 2005 VB_{98} 2 2.9 128°.87 0°.5/ 3.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 27.65	+13 35.3	2.060	2.890	12.4	20.6
1 12	9 21.68	+13 56.4	1.991	2.899	9.0	20.4
1 22	9 13.80	+14 26.4	1.948	2.908	5.2	20.2
2 1	9 4.74	+15 1.6	1.933	2.917	1.1	19.9
2 11	8 55.51	+15 37.5	1.948	2.926	3.3	20.1
2 21	8 47.08	+16 10.2	1.992	2.934	7.2	20.4
3 2	8 40.30	+16 36.5	2.064	2.941	10.7	20.6
3 12	8 35.76	+16 54.9	2.158	2.949	13.7	20.8

341660 2007 VZ_{62} 2 2.9 173°.01 0°.0/ 2.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 24.63	+15 5.3	2.791	3.616	9.6	22.2
1 12	9 19.17	+15 30.4	2.712	3.619	6.9	22.0
1 22	9 12.28	+16 1.5	2.660	3.621	3.9	21.8
2 1	9 4.50	+16 35.4	2.638	3.622	0.7	21.5
2 11	8 56.53	+17 8.9	2.647	3.624	2.6	21.7
2 21	8 49.10	+17 39.0	2.687	3.625	5.8	21.9
3 2	8 42.85	+18 3.5	2.756	3.625	8.6	22.1
3 12	8 38.25	+18 21.1	2.848	3.625	11.1	22.3

284312 2006 QB_{57} 2 2.9 222°.04 0°.3/ 3.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 24.46	+13 57.4	2.548	3.375	10.4	21.7
1 12	9 19.21	+14 22.1	2.462	3.369	7.6	21.5
1 22	9 12.37	+14 54.2	2.402	3.363	4.3	21.3
2 1	9 4.52	+15 30.8	2.372	3.357	0.9	21.0
2 11	8 56.42	+16 8.1	2.373	3.350	2.8	21.2
2 21	8 48.85	+16 42.8	2.404	3.344	6.2	21.4
3 2	8 42.53	+17 12.0	2.462	3.337	9.3	21.6
3 12	8 38.02	+17 34.0	2.545	3.329	12.0	21.8

459276 2012 FM_{75} 2 2.9 255°.97 5°.3/30.0 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 28.87	+28 16.4	1.861	2.714	12.5	21.3
1 12	9 23.12	+29 33.2	1.789	2.706	9.3	21.0
1 22	9 14.88	+30 49.3	1.743	2.697	6.3	20.8
2 1	9 4.96	+31 55.8	1.725	2.689	5.3	20.8
2 11	8 54.62	+32 45.2	1.734	2.681	7.4	20.9
2 21	8 45.15	+33 13.4	1.771	2.672	10.7	21.1
3 2	8 37.71	+33 19.6	1.831	2.663	14.0	21.2
3 12	8 33.09	+33 6.4	1.912	2.655	16.8	21.4

60266 1999 XB_{25} 2 2.9 217°.55 4°.3/29.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 25.38	+30 32.9	2.757	3.599	9.2	18.6
1 12	9 19.91	+31 32.4	2.687	3.596	6.9	18.4
1 22	9 12.78	+32 28.7	2.645	3.592	4.9	18.3
2 1	9 4.59	+33 16.7	2.632	3.589	4.3	18.3
2 11	8 56.18	+33 51.9	2.648	3.585	5.8	18.3
2 21	8 48.36	+34 12.0	2.693	3.581	8.0	18.5
3 2	8 41.90	+34 16.7	2.764	3.577	10.3	18.6
3 12	8 37.34	+34 7.1	2.856	3.573	12.4	18.8

222299 2000 SF_{252} 2 2.9 122°.38 2°.2/ 1.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 27.79	+20 49.0	2.058	2.902	11.8	20.4
1 12	9 21.86	+21 42.0	1.995	2.912	8.5	20.2
1 22	9 13.94	+22 38.7	1.959	2.922	4.8	20.0
2 1	9 4.79	+23 33.2	1.951	2.932	2.2	19.8
2 11	8 55.45	+24 19.8	1.973	2.941	4.6	20.0
2 21	8 46.96	+24 54.5	2.024	2.950	8.1	20.2
3 2	8 40.20	+25 15.6	2.101	2.959	11.4	20.5
3 12	8 35.77	+25 23.2	2.200	2.968	14.2	20.7

44166 1998 JF_2 2 2.9 84°.12 1°.8/ 1.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 30.87	+17 25.0	1.305	2.161	16.6	17.5
1 12	9 24.83	+18 27.4	1.254	2.176	11.8	17.3
1 22	9 15.87	+19 39.9	1.225	2.191	6.5	17.0
2 1	9 5.12	+20 53.5	1.223	2.207	1.9	16.8
2 11	8 54.19	+21 58.6	1.248	2.221	5.5	17.1
2 21	8 44.65	+22 48.3	1.298	2.236	10.5	17.4
3 2	8 37.78	+23 19.8	1.373	2.251	15.0	17.7
3 12	8 34.24	+23 33.3	1.466	2.265	18.6	18.0

332669 2008 YH_{108} 2 2.9 281.°95 0.°8/ 3.3 14 C

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 2	9 30.32	+14 28.8	1.556	2.398	15.1	21.3
1 12	9 24.41	+14 25.5	1.468	2.381	11.2	21.0
1 22	9 15.74	+14 31.8	1.403	2.365	6.5	20.7
2 1	9 5.14	+14 44.4	1.365	2.349	1.5	20.3
2 11	8 53.94	+14 58.8	1.354	2.332	4.2	20.5
2 21	8 43.60	+15 10.7	1.371	2.316	9.4	20.7
3 2	8 35.44	+15 17.2	1.412	2.299	14.1	21.0
3 12	8 30.35	+15 16.2	1.474	2.282	18.1	21.2

254018 2004 FB_{67} 2 2.9 278.°48 8.°9/28.4 18

1 2	9 34.91	+38 31.0	1.734	2.575	13.9	20.2
1 12	9 27.81	+39 40.5	1.672	2.568	11.3	20.1
1 22	9 17.61	+40 37.8	1.634	2.561	9.3	19.9
2 1	9 5.43	+41 12.6	1.622	2.554	9.0	19.9
2 11	8 52.93	+41 18.0	1.635	2.546	10.6	20.0
2 21	8 41.78	+40 53.0	1.673	2.539	13.3	20.1
3 2	8 33.35	+40 1.1	1.734	2.532	16.1	20.3
3 12	8 28.40	+38 48.7	1.812	2.525	18.6	20.5

416960 2005 SJ_{214} 2 2.9 90.°96 2.°3/ 1.8 18

1 2	9 33.44	+23 8.2	1.840	2.683	13.1	20.6
1 12	9 25.96	+23 15.8	1.782	2.697	9.4	20.4
1 22	9 16.22	+23 23.1	1.748	2.711	5.4	20.2
2 1	9 5.17	+23 25.4	1.744	2.725	2.3	20.0
2 11	8 54.10	+23 18.8	1.768	2.738	4.7	20.2
2 21	8 44.22	+23 1.8	1.822	2.752	8.6	20.5
3 2	8 36.48	+22 34.8	1.901	2.765	12.2	20.7
3 12	8 31.46	+21 59.5	2.003	2.778	15.1	21.0

466325 2013 RR_{1} 2 2.9 162.°85 1.°6/ 4.2 16

1 2	9 26.00	+ 9 41.4	2.346	3.160	11.6	22.7
1 12	9 20.36	+10 4.5	2.268	3.165	8.6	22.5
1 22	9 13.04	+10 38.6	2.216	3.170	5.2	22.3
2 1	9 4.67	+11 20.8	2.193	3.174	2.0	22.1
2 11	8 56.08	+12 7.3	2.200	3.177	3.0	22.1
2 21	8 48.12	+12 53.9	2.238	3.180	6.4	22.4
3 2	8 41.55	+13 36.8	2.303	3.183	9.7	22.6
3 12	8 36.91	+14 13.3	2.393	3.185	12.5	22.8

163442 2002 RN_{96} 2 2.9 97.°20 5.°3/30.3 18

1 2	9 31.24	+32 47.1	2.265	3.105	11.1	20.4
1 12	9 24.22	+33 29.3	2.213	3.118	8.4	20.3
1 22	9 15.19	+34 4.5	2.187	3.131	6.1	20.2
2 1	9 5.01	+34 26.7	2.189	3.144	5.3	20.1
2 11	8 54.79	+34 32.1	2.221	3.157	6.8	20.2
2 21	8 45.60	+34 19.6	2.280	3.170	9.2	20.4
3 2	8 38.29	+33 50.7	2.365	3.182	11.7	20.6
3 12	8 33.42	+33 8.4	2.471	3.195	13.9	20.8

107411 2001 DG_{8} 2 2.9 252.°35 0.°0/ 2.8 18

1 2	9 28.21	+14 35.7	1.807	2.644	13.5	20.8
1 12	9 22.58	+15 8.1	1.718	2.631	9.9	20.5
1 22	9 14.59	+15 51.4	1.654	2.617	5.6	20.2
2 1	9 4.96	+16 40.9	1.618	2.603	0.9	19.9
2 11	8 54.83	+17 30.7	1.612	2.589	3.9	20.1
2 21	8 45.41	+18 15.2	1.633	2.574	8.5	20.3
3 2	8 37.83	+18 50.4	1.680	2.559	12.7	20.5
3 12	8 32.88	+19 14.2	1.749	2.543	16.3	20.7

197562 2004 FO_{140} 2 2.9 245.°79 0.°3/ 2.8 18

1 2	9 31.69	+16 13.7	1.564	2.407	15.0	20.9
1 12	9 25.40	+16 32.9	1.480	2.395	11.0	20.6
1 22	9 16.30	+17 1.4	1.419	2.383	6.2	20.3
2 1	9 5.26	+17 34.3	1.385	2.369	1.0	19.9
2 11	8 53.63	+18 5.5	1.379	2.356	4.4	20.1
2 21	8 42.92	+18 29.8	1.401	2.342	9.6	20.4
3 2	8 34.45	+18 44.0	1.448	2.328	14.3	20.6
3 12	8 29.10	+18 47.2	1.515	2.313	18.2	20.9

218750 2005 US_{512} 2 2.9 83.°27 2.°0/ 4.4 18

1 2	9 25.48	+ 8 56.0	1.845	2.670	13.8	20.4
1 12	9 20.37	+ 9 22.3	1.772	2.674	10.3	20.1
1 22	9 13.20	+10 3.4	1.723	2.678	6.3	19.9
2 1	9 4.71	+10 56.0	1.701	2.682	2.5	19.7
2 11	8 55.96	+11 54.6	1.708	2.686	3.6	19.8
2 21	8 47.99	+12 53.4	1.744	2.690	7.6	20.0
3 2	8 41.74	+13 47.4	1.806	2.694	11.5	20.2
3 12	8 37.86	+14 32.7	1.890	2.698	14.7	20.5

227032 2005 AU_{25} 2 2.9 64.°71 2.°4/ 4.5 18

1 2	9 28.32	+ 9 30.1	1.863	2.684	13.9	20.3
1 12	9 22.16	+ 9 22.6	1.808	2.707	10.3	20.1
1 22	9 14.06	+ 9 27.3	1.777	2.730	6.4	19.9
2 1	9 4.84	+ 9 41.8	1.774	2.753	2.9	19.7
2 11	8 55.59	+10 2.6	1.800	2.776	3.8	19.8
2 21	8 47.32	+10 25.8	1.855	2.799	7.4	20.1
3 2	8 40.87	+10 47.9	1.935	2.821	10.9	20.4
3 12	8 36.77	+11 6.0	2.039	2.844	13.9	20.6

456403 2006 US_{211} 2 2.9 85.°03 1.°8/ 4.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 2	9 29.79	+10 46.9	1.755	2.581	14.4	21.8
1 12	9 23.33	+10 55.1	1.700	2.604	10.6	21.6
1 22	9 14.76	+11 15.4	1.669	2.626	6.3	21.4
2 1	9 4.97	+11 44.4	1.666	2.648	2.3	21.2
2 11	8 55.11	+12 17.5	1.692	2.670	3.7	21.3
2 21	8 46.32	+12 50.2	1.747	2.691	7.8	21.6
3 2	8 39.51	+13 18.7	1.827	2.712	11.5	21.9
3 12	8 35.22	+13 40.5	1.930	2.733	14.7	22.1

431535 2007 TJ_{344} 2 2.9 143.°88 5.°6/ 8.1 18

1 2	9 22.86	− 3 45.1	2.433	3.190	12.9	21.5
1 12	9 18.09	− 3 46.4	2.350	3.193	10.6	21.3
1 22	9 11.78	− 3 28.7	2.290	3.196	8.2	21.2
2 1	9 4.48	− 2 52.3	2.257	3.199	6.2	21.1
2 11	8 56.97	− 1 59.4	2.252	3.201	5.7	21.0
2 21	8 49.99	− 0 54.4	2.275	3.203	7.2	21.1
3 2	8 44.26	+ 0 17.4	2.326	3.206	9.6	21.3
3 12	8 40.30	+ 1 30.5	2.402	3.208	12.0	21.5

334404 2002 CV_{281} 2 2.9 311.°09 0.°6/ 3.2 18

1 2	9 28.15	+14 33.3	1.351	2.204	16.3	20.4
1 12	9 23.16	+14 39.3	1.269	2.188	12.0	20.1
1 22	9 15.18	+14 57.2	1.208	2.173	7.0	19.8
2 1	9 5.10	+15 22.9	1.173	2.157	1.4	19.4
2 11	8 54.38	+15 50.6	1.164	2.142	4.6	19.6
2 21	8 44.61	+16 14.6	1.180	2.128	10.2	19.9
3 2	8 37.25	+16 30.7	1.220	2.114	15.3	20.1
3 12	8 33.23	+16 36.7	1.279	2.101	19.6	20.3

316501 2010 VB_{113} 2 2.9 198.°19 0.°0/ 2.9 18

1 2	9 27.76	+14 27.3	2.135	2.965	12.0	21.2
1 12	9 21.87	+15 2.4	2.053	2.962	8.7	21.0
1 22	9 14.01	+15 46.4	1.997	2.958	4.9	20.8
2 1	9 4.87	+16 35.3	1.970	2.955	0.8	20.5
2 11	8 55.41	+17 23.8	1.973	2.950	3.3	20.7
2 21	8 46.62	+18 7.5	2.007	2.945	7.3	20.9
3 2	8 39.41	+18 43.1	2.067	2.939	10.9	21.1
3 12	8 34.42	+19 8.6	2.150	2.933	14.0	21.3

135052 2001 OD_{56} 2 2.9 169.°78 0.°5/ 2.5 18

1 2	9 26.99	+18 9.6	2.869	3.696	9.4	20.8
1 12	9 20.81	+18 21.1	2.791	3.699	6.7	20.7
1 22	9 13.20	+18 35.7	2.741	3.703	3.7	20.5
2 1	9 4.72	+18 50.7	2.721	3.705	0.7	20.2
2 11	8 56.09	+19 3.3	2.733	3.707	2.8	20.4
2 21	8 48.04	+19 11.4	2.776	3.709	5.8	20.6
3 2	8 41.21	+19 13.8	2.847	3.711	8.6	20.8
3 12	8 36.08	+19 9.9	2.943	3.712	10.9	21.0

124338 2001 QE_{110} 2 2.9 107.°47 1.°5/ 2.2 18

1 2	9 32.82	+18 36.5	1.499	2.346	15.3	20.3
1 12	9 25.96	+19 8.5	1.442	2.360	10.9	20.0
1 22	9 16.42	+19 46.9	1.409	2.374	6.1	19.8
2 1	9 5.27	+20 25.2	1.403	2.387	1.6	19.5
2 11	8 53.97	+20 56.7	1.426	2.400	4.8	19.8
2 21	8 43.96	+21 17.1	1.476	2.413	9.6	20.1
3 2	8 36.41	+21 24.7	1.550	2.425	13.8	20.4
3 12	8 31.97	+21 19.9	1.645	2.437	17.2	20.6

307434 2002 TT_{334} 2 2.9 177.°01 1.°1/ 2.3 18

1 2	9 27.85	+17 6.8	1.689	2.536	13.9	21.5
1 12	9 22.32	+17 48.7	1.618	2.536	10.0	21.2
1 22	9 14.41	+18 39.3	1.571	2.536	5.6	21.0
2 1	9 4.95	+19 32.6	1.552	2.536	1.2	20.7
2 11	8 55.16	+20 21.9	1.561	2.536	4.4	20.9
2 21	8 46.30	+21 1.9	1.598	2.536	8.9	21.1
3 2	8 39.44	+21 29.4	1.660	2.536	13.0	21.4
3 12	8 35.30	+21 43.4	1.743	2.536	16.4	21.6

19002 Tongkexue 2 2.9 128.°77 3.°8/31.4 18

1 2	9 31.01	+23 53.6	1.724	2.575	13.5	18.4
1 12	9 24.56	+25 2.1	1.666	2.585	9.7	18.2
1 22	9 15.63	+26 12.4	1.633	2.595	5.9	18.0
2 1	9 5.15	+27 16.1	1.629	2.604	3.8	17.9
2 11	8 54.44	+28 5.8	1.653	2.613	6.2	18.1
2 21	8 44.82	+28 37.2	1.704	2.622	10.0	18.3
3 2	8 37.39	+28 49.6	1.780	2.630	13.5	18.5
3 12	8 32.82	+28 44.9	1.877	2.638	16.5	18.8

484270 2007 HT_{93} 2 2.9 266.°66 4.°3/ 5.4 18

1 2	9 27.56	+ 4 39.7	1.516	2.334	16.7	21.7
1 12	9 22.48	+ 4 45.9	1.426	2.320	13.0	21.5
1 22	9 14.71	+ 5 14.0	1.358	2.304	8.8	21.2
2 1	9 5.04	+ 6 2.9	1.315	2.289	5.0	20.9
2 11	8 54.70	+ 7 7.9	1.299	2.273	5.3	20.9
2 21	8 45.09	+ 8 21.6	1.310	2.257	9.5	21.1
3 2	8 37.54	+ 9 36.0	1.346	2.241	14.1	21.3
3 12	8 32.95	+10 44.2	1.402	2.225	18.2	21.5

502846 2015 DX_{167} 2 2.9 231°.36 4°.6/30.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 2	9 28.56	+31 17.7	2.491	3.331	10.2	21.1
1 12	9 22.31	+31 58.5	2.420	3.327	7.7	21.0
1 22	9 14.19	+32 34.6	2.376	3.324	5.4	20.8
2 1	9 4.90	+33 0.7	2.361	3.319	4.6	20.8
2 11	8 55.42	+33 12.5	2.375	3.315	6.1	20.9
2 21	8 46.69	+33 8.5	2.417	3.311	8.6	21.0
3 2	8 39.57	+32 48.9	2.485	3.306	11.1	21.2
3 12	8 34.63	+32 16.0	2.575	3.302	13.3	21.3

176631 2002 KA 2 2.9 288°.59 0°.0/ 2.9 18

1 2	9 22.03	+13 12.1	2.528	3.358	10.4	19.6
1 12	9 17.58	+14 9.5	2.439	3.348	7.5	19.4
1 22	9 11.55	+15 16.9	2.376	3.338	4.3	19.2
2 1	9 4.47	+16 30.2	2.343	3.327	0.7	18.9
2 11	8 57.09	+17 44.3	2.341	3.317	2.9	19.0
2 21	8 50.17	+18 54.4	2.369	3.307	6.4	19.3
3 2	8 44.44	+19 56.3	2.425	3.297	9.5	19.4
3 12	8 40.47	+20 47.5	2.505	3.287	12.2	19.6

33268 1998 HZ_{93} 2 2.9 327°.48 8°.8/28.6 18

1 2	9 30.91	+36 17.7	1.554	2.409	14.5	18.9
1 12	9 25.20	+37 29.1	1.488	2.394	11.6	18.7
1 22	9 16.31	+38 30.7	1.444	2.381	9.3	18.5
2 1	9 5.29	+39 11.4	1.425	2.367	8.9	18.4
2 11	8 53.81	+39 23.2	1.431	2.355	10.8	18.5
2 21	8 43.61	+39 3.7	1.461	2.343	13.9	18.7
3 2	8 36.14	+38 15.9	1.512	2.332	17.1	18.8
3 12	8 32.23	+37 5.9	1.581	2.322	19.9	19.0

49879 1999 XH_{135} 2 2.9 254°.49 2°.9/ 4.7 18 R

1 2	9 28.73	+ 7 34.7	1.575	2.400	15.8	18.9
1 12	9 23.28	+ 7 51.7	1.484	2.384	12.1	18.6
1 22	9 15.15	+ 8 27.7	1.415	2.368	7.7	18.3
2 1	9 5.12	+ 9 20.3	1.373	2.352	3.5	18.0
2 11	8 54.42	+10 23.9	1.358	2.335	4.5	18.0
2 21	8 44.43	+11 31.5	1.370	2.317	9.2	18.2
3 2	8 36.47	+12 35.9	1.408	2.299	13.9	18.4
3 12	8 31.44	+13 31.8	1.467	2.281	18.0	18.7

170144 2003 AN_{81} 2 2.9 15°.12 7°.6/27.4 18

1 2	9 28.63	+37 54.0	2.142	2.982	11.6	19.7
1 12	9 22.80	+39 17.4	2.088	2.983	9.4	19.6
1 22	9 14.64	+40 31.2	2.061	2.985	7.8	19.5
2 1	9 5.00	+41 27.2	2.060	2.986	7.8	19.5
2 11	8 55.10	+41 59.7	2.086	2.988	9.2	19.6
2 21	8 46.16	+42 6.9	2.137	2.990	11.4	19.7
3 2	8 39.23	+41 50.4	2.211	2.992	13.6	19.9
3 12	8 34.98	+41 14.2	2.304	2.994	15.7	20.0

312654 2010 KT_{41} 2 2.9 146°.77 5°.4/ 7.1 18

1 2	9 26.34	− 0 54.0	1.894	2.676	15.2	20.9
1 12	9 20.94	− 0 43.3	1.818	2.683	12.2	20.7
1 22	9 13.53	− 0 10.2	1.764	2.689	8.9	20.5
2 1	9 4.83	+ 0 44.3	1.736	2.694	6.1	20.3
2 11	8 55.83	+ 1 55.9	1.736	2.699	5.7	20.3
2 21	8 47.59	+ 3 18.2	1.765	2.704	8.1	20.5
3 2	8 41.02	+ 4 44.0	1.821	2.708	11.4	20.7
3 12	8 36.76	+ 6 6.4	1.900	2.712	14.5	20.9

496689 2016 EO_{29} 2 2.9 226°.12 5°.1/ 6.7 17

1 2	9 25.72	− 0 14.7	2.371	3.144	12.8	21.7
1 12	9 20.26	− 0 30.4	2.277	3.135	10.3	21.5
1 22	9 13.08	− 0 29.9	2.206	3.125	7.7	21.3
2 1	9 4.76	− 0 12.8	2.162	3.115	5.5	21.2
2 11	8 56.09	+ 0 18.9	2.148	3.105	5.3	21.2
2 21	8 47.93	+ 1 1.9	2.163	3.094	7.4	21.3
3 2	8 41.07	+ 1 51.6	2.205	3.083	10.1	21.4
3 12	8 36.11	+ 2 43.2	2.271	3.071	12.8	21.6

64672 2001 XS_{65} 2 2.9 100°.50 0°.9/ 2.4 18

1 2	9 29.10	+15 37.5	1.509	2.357	15.2	19.4
1 12	9 23.35	+16 32.6	1.449	2.367	10.9	19.2
1 22	9 15.03	+17 39.1	1.411	2.376	6.1	18.9
2 1	9 5.09	+18 49.7	1.401	2.386	1.2	18.6
2 11	8 54.87	+19 56.2	1.419	2.395	4.6	18.9
2 21	8 45.77	+20 51.8	1.465	2.404	9.4	19.2
3 2	8 38.92	+21 32.6	1.535	2.413	13.7	19.4
3 12	8 35.03	+21 57.7	1.625	2.422	17.2	19.7

461786 2005 VF_{24} 2 2.9 15°.86 3°.1/ 4.9 18

1 2	9 25.83	+ 7 22.3	1.729	2.552	14.7	21.4
1 12	9 20.75	+ 7 23.0	1.655	2.554	11.2	21.2
1 22	9 13.49	+ 7 39.7	1.604	2.555	7.2	21.0
2 1	9 4.83	+ 8 10.2	1.580	2.557	3.7	20.8
2 11	8 55.87	+ 8 50.3	1.583	2.558	4.3	20.8
2 21	8 47.74	+ 9 34.8	1.614	2.561	8.1	21.0
3 2	8 41.44	+10 18.6	1.671	2.563	12.0	21.3
3 12	8 37.63	+10 57.2	1.749	2.565	15.4	21.5

313183 2001 OU_{107} 2 2.9 193°.95 1°.7/ 1.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 2	9 29.11	+20 18.6	2.369	3.204	10.8	21.2
1 12	9 22.72	+20 59.7	2.289	3.202	7.8	21.0
1 22	9 14.46	+21 44.5	2.236	3.199	4.4	20.8
2 1	9 4.99	+22 28.2	2.213	3.195	1.7	20.6
2 11	8 55.25	+23 5.9	2.221	3.191	4.0	20.7
2 21	8 46.16	+23 34.3	2.259	3.185	7.4	20.9
3 2	8 38.58	+23 51.6	2.324	3.179	10.6	21.1
3 12	8 33.13	+23 57.5	2.412	3.173	13.3	21.3

172961 2005 MH_2 2 2.9 246°.45 4°.5/29.6 18

1 2	9 26.31	+29 25.4	2.488	3.332	10.0	20.2
1 12	9 20.84	+30 38.6	2.411	3.322	7.5	20.1
1 22	9 13.47	+31 50.2	2.362	3.312	5.3	19.9
2 1	9 4.84	+32 53.8	2.342	3.302	4.6	19.8
2 11	8 55.86	+33 43.7	2.352	3.291	6.3	19.9
2 21	8 47.48	+34 16.6	2.390	3.280	8.8	20.1
3 2	8 40.57	+34 31.7	2.453	3.269	11.4	20.2
3 12	8 35.79	+34 30.3	2.538	3.257	13.7	20.4

411417 2010 VC_{192} 2 2.9 76°.51 1°.2/ 3.8 18

1 2	9 27.61	+11 29.7	1.703	2.537	14.4	21.3
1 12	9 21.94	+11 54.6	1.643	2.552	10.5	21.1
1 22	9 14.10	+12 32.2	1.607	2.567	6.2	20.9
2 1	9 4.93	+13 18.2	1.599	2.582	1.8	20.6
2 11	8 55.61	+14 7.0	1.618	2.597	3.6	20.8
2 21	8 47.28	+14 53.1	1.666	2.611	8.0	21.1
3 2	8 40.90	+15 32.3	1.740	2.626	11.9	21.3
3 12	8 37.06	+16 1.9	1.835	2.641	15.2	21.6

218985 2008 GU_{104} 2 2.9 156°.42 1°.3/ 2.0 18

1 2	9 27.82	+18 15.1	2.184	3.021	11.5	21.3
1 12	9 21.85	+19 1.3	2.113	3.027	8.2	21.1
1 22	9 13.98	+19 53.0	2.069	3.033	4.6	20.9
2 1	9 4.93	+20 45.4	2.054	3.038	1.3	20.7
2 11	8 55.65	+21 33.0	2.070	3.043	3.8	20.9
2 21	8 47.12	+22 11.8	2.115	3.047	7.5	21.1
3 2	8 40.18	+22 39.4	2.188	3.051	10.8	21.3
3 12	8 35.43	+22 55.3	2.282	3.054	13.6	21.5

200664 2001 TZ_{85} 2 2.9 172°.45 1°.7/ 3.9 18

1 2	9 30.62	+10 55.6	1.734	2.560	14.5	21.4
1 12	9 24.23	+11 9.1	1.659	2.563	10.8	21.1
1 22	9 15.48	+11 35.5	1.609	2.566	6.5	20.9
2 1	9 5.20	+12 11.5	1.585	2.568	2.2	20.6
2 11	8 54.60	+12 52.0	1.591	2.569	3.8	20.7
2 21	8 44.90	+13 31.8	1.626	2.569	8.3	21.0
3 2	8 37.19	+14 6.6	1.686	2.570	12.4	21.2
3 12	8 32.17	+14 33.6	1.769	2.569	15.9	21.5

523758 2014 WJ_{509} 2 2.9 309°.08 0°.3/30.8 18

1 2	9 5.90	+28 3.3	38.742	39.582	0.7	21.7
1 12	9 5.10	+28 8.7	38.667	39.579	0.5	21.6
1 22	9 4.21	+28 13.8	38.621	39.575	0.4	21.6
2 1	9 3.29	+28 18.6	38.605	39.572	0.3	21.6
2 11	9 2.35	+28 22.9	38.619	39.569	0.4	21.6
2 21	9 1.45	+28 26.4	38.663	39.565	0.6	21.6
3 2	9 0.60	+28 29.2	38.735	39.562	0.8	21.7
3 12	8 59.86	+28 31.2	38.832	39.558	1.0	21.7

19322 1996 XQ_{11} 2 2.9 41°.06 2°.1/ 1.7 18

1 2	9 27.22	+19 27.5	1.523	2.380	14.5	18.5
1 12	9 21.92	+20 14.2	1.472	2.395	10.4	18.3
1 22	9 14.17	+21 6.9	1.444	2.410	5.8	18.1
2 1	9 4.97	+21 58.4	1.443	2.426	2.1	17.9
2 11	8 55.64	+22 41.7	1.470	2.443	5.0	18.1
2 21	8 47.49	+23 12.2	1.523	2.459	9.4	18.4
3 2	8 41.55	+23 27.8	1.601	2.477	13.4	18.7
3 12	8 38.44	+23 28.9	1.698	2.494	16.6	18.9

153180 2000 UJ_{37} 2 2.9 90°.02 1°.6/ 1.9 18

1 2	9 28.73	+19 8.5	1.971	2.813	12.4	20.2
1 12	9 22.52	+19 53.4	1.918	2.834	8.8	20.0
1 22	9 14.33	+20 42.8	1.891	2.855	4.9	19.8
2 1	9 4.99	+21 31.0	1.892	2.875	1.6	19.6
2 11	8 55.57	+22 12.7	1.924	2.895	4.1	19.8
2 21	8 47.11	+22 44.1	1.984	2.915	7.9	20.1
3 2	8 40.47	+23 3.5	2.070	2.935	11.3	20.3
3 12	8 36.19	+23 10.8	2.179	2.954	14.1	20.5

324641 2007 BP_{74} 2 2.9 231°.63 1°.5/ 2.1 17

1 2	9 30.81	+20 44.0	2.161	2.998	11.6	21.3
1 12	9 24.11	+20 56.8	2.076	2.989	8.4	21.0
1 22	9 15.32	+21 11.9	2.016	2.979	4.8	20.8
2 1	9 5.18	+21 25.1	1.985	2.968	1.6	20.6
2 11	8 54.71	+21 32.7	1.985	2.958	4.0	20.7
2 21	8 44.99	+21 31.9	2.015	2.946	7.8	20.9
3 2	8 36.97	+21 21.8	2.071	2.935	11.3	21.1
3 12	8 31.31	+21 2.9	2.151	2.923	14.3	21.3

241544 2010 EE_{128} 2 2.9 117°.84 0°.4/ 3.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 2	9 24.75	+13 39.1	2.238	3.069	11.5	21.1
1 12	9 19.60	+14 4.1	2.161	3.070	8.4	20.9
1 22	9 12.72	+14 37.8	2.110	3.071	4.8	20.7
2 1	9 4.73	+15 16.6	2.087	3.071	1.0	20.4
2 11	8 56.51	+15 56.3	2.095	3.072	3.0	20.6
2 21	8 48.94	+16 33.1	2.131	3.073	6.8	20.8
3 2	8 42.81	+17 3.7	2.195	3.074	10.1	21.0
3 12	8 38.69	+17 26.3	2.282	3.074	13.0	21.2

76810 2000 QC_{50} 2 2.9 264°.00 1°.7/ 1.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 23.21	+22 47.9	3.192	4.030	8.2	19.1
1 12	9 18.12	+23 10.5	3.110	4.023	5.9	19.0
1 22	9 11.74	+23 33.9	3.055	4.017	3.4	18.8
2 1	9 4.56	+23 55.0	3.031	4.010	1.7	18.6
2 11	8 57.22	+24 11.1	3.037	4.004	3.3	18.7
2 21	8 50.34	+24 20.3	3.074	3.997	5.8	18.9
3 2	8 44.50	+24 21.5	3.138	3.991	8.2	19.1
3 12	8 40.17	+24 14.6	3.227	3.984	10.3	19.2

464203 2015 BC_{87} 2 2.9 57°.14 0°.1/ 2.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 24.22	+13 57.2	2.085	2.921	12.0	20.9
1 12	9 19.37	+14 50.2	2.011	2.923	8.7	20.7
1 22	9 12.64	+15 53.5	1.962	2.925	4.9	20.5
2 1	9 4.73	+17 2.3	1.942	2.926	0.8	20.2
2 11	8 56.54	+18 10.5	1.952	2.928	3.4	20.4
2 21	8 49.02	+19 12.8	1.991	2.930	7.3	20.7
3 2	8 43.02	+20 5.1	2.056	2.932	10.8	20.9
3 12	8 39.16	+20 45.2	2.145	2.934	13.8	21.1

335998 2007 TV_{355} 2 2.9 62°.21 0°.6/ 3.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 24.67	+10 32.8	2.066	2.892	12.5	20.7
1 12	9 19.51	+11 40.4	2.013	2.919	9.1	20.6
1 22	9 12.62	+13 0.3	1.986	2.945	5.2	20.4
2 1	9 4.71	+14 27.0	1.988	2.972	1.2	20.1
2 11	8 56.71	+15 53.7	2.020	2.998	3.1	20.3
2 21	8 49.50	+17 14.3	2.083	3.025	6.9	20.6
3 2	8 43.85	+18 24.4	2.173	3.051	10.2	20.9
3 12	8 40.27	+19 21.5	2.286	3.077	13.0	21.1

354890 2006 BS_{186} 2 2.9 337°.11 0°.3/ 2.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 25.64	+14 39.8	1.219	2.082	17.1	21.2
1 12	9 21.52	+15 20.2	1.148	2.073	12.5	20.9
1 22	9 14.34	+16 16.5	1.098	2.065	7.0	20.6
2 1	9 5.06	+17 21.8	1.073	2.057	1.1	20.2
2 11	8 55.21	+18 27.1	1.072	2.051	5.0	20.4
2 21	8 46.46	+19 23.6	1.097	2.045	10.8	20.7
3 2	8 40.25	+20 5.5	1.144	2.040	15.9	21.0
3 12	8 37.51	+20 30.3	1.209	2.035	20.2	21.3

246168 2007 RE_{13} 2 2.9 113°.40 1°.7/ 1.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 30.67	+18 44.4	1.686	2.531	14.0	20.7
1 12	9 24.26	+19 32.5	1.627	2.545	10.0	20.5
1 22	9 15.46	+20 27.0	1.594	2.558	5.6	20.3
2 1	9 5.21	+21 21.0	1.588	2.571	1.8	20.1
2 11	8 54.77	+22 7.9	1.611	2.584	4.7	20.3
2 21	8 45.43	+22 42.8	1.662	2.596	9.0	20.6
3 2	8 38.23	+23 3.7	1.739	2.608	12.9	20.8
3 12	8 33.80	+23 10.7	1.837	2.619	16.0	21.1

322594 2012 BG_{21} 2 2.9 342°.16 4°.8/ 6.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 24.67	+ 1 27.8	1.681	2.485	15.9	20.9
1 12	9 20.03	+ 1 48.9	1.602	2.484	12.6	20.6
1 22	9 13.17	+ 2 33.7	1.545	2.483	8.8	20.4
2 1	9 4.84	+ 3 40.4	1.514	2.482	5.5	20.2
2 11	8 56.13	+ 5 3.8	1.510	2.481	5.3	20.2
2 21	8 48.19	+ 6 35.9	1.534	2.480	8.5	20.4
3 2	8 42.06	+ 8 8.6	1.584	2.480	12.3	20.6
3 12	8 38.45	+ 9 34.4	1.657	2.479	15.8	20.8

206807 2004 DK_{52} 2 2.9 177°.94 1°.2/ 3.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 26.25	+12 22.1	2.406	3.227	11.1	20.5
1 12	9 20.55	+12 21.3	2.326	3.228	8.2	20.3
1 22	9 13.21	+12 28.3	2.271	3.228	4.9	20.1
2 1	9 4.83	+12 40.8	2.246	3.228	1.6	19.9
2 11	8 56.25	+12 56.2	2.251	3.228	2.9	20.0
2 21	8 48.29	+13 11.5	2.286	3.228	6.3	20.2
3 2	8 41.70	+13 24.4	2.349	3.228	9.5	20.4
3 12	8 37.03	+13 33.1	2.436	3.228	12.3	20.6

30482 2000 OG_{45} 2 2.9 16°.13 4°.3/ 5.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 27.48	+ 5 41.0	2.049	2.853	13.4	16.6
1 12	9 21.62	+ 4 55.5	1.972	2.856	10.4	16.4
1 22	9 13.88	+ 4 22.4	1.920	2.859	7.2	16.2
2 1	9 4.95	+ 4 2.0	1.895	2.862	4.6	16.1
2 11	8 55.79	+ 3 53.2	1.899	2.866	4.9	16.1
2 21	8 47.38	+ 3 53.6	1.932	2.870	7.6	16.3
3 2	8 40.56	+ 4 0.1	1.991	2.874	10.8	16.5
3 12	8 35.94	+ 4 9.3	2.073	2.879	13.7	16.7

483702 2005 ST_{64} 2 2.9 153°.21 0°.1/ 2.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 2	9 33.48	+15 43.7	1.784	2.616	13.9	21.8
1 12	9 26.19	+16 4.4	1.716	2.625	10.1	21.6
1 22	9 16.53	+16 32.9	1.672	2.634	5.7	21.4
2 1	9 5.40	+17 4.7	1.658	2.642	0.9	21.1
2 11	8 54.05	+17 34.4	1.673	2.650	3.9	21.3
2 21	8 43.73	+17 58.0	1.718	2.656	8.4	21.6
3 2	8 35.50	+18 13.0	1.789	2.662	12.3	21.8
3 12	8 30.01	+18 18.6	1.881	2.667	15.6	22.1

51088 2000 GE_{177} 2 2.9 316°.97 0°.6/ 3.3 18 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 26.44	+13 33.0	1.545	2.391	15.0	19.5
1 12	9 21.58	+13 55.7	1.466	2.382	11.0	19.2
1 22	9 14.17	+14 31.3	1.409	2.372	6.4	18.9
2 1	9 5.03	+15 15.2	1.379	2.363	1.3	18.5
2 11	8 55.42	+16 1.2	1.376	2.354	4.1	18.7
2 21	8 46.67	+16 43.5	1.400	2.346	9.1	19.0
3 2	8 40.00	+17 17.2	1.448	2.338	13.6	19.2
3 12	8 36.20	+17 39.8	1.517	2.330	17.5	19.5

416907 2005 RY_{9} 2 2.9 141°.31 1°.9/ 4.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 28.08	+ 8 59.5	2.441	3.247	11.5	22.6
1 12	9 21.76	+ 9 11.4	2.370	3.262	8.5	22.4
1 22	9 13.84	+ 9 33.6	2.324	3.275	5.3	22.2
2 1	9 4.95	+10 3.8	2.309	3.288	2.3	22.1
2 11	8 55.90	+10 38.7	2.324	3.300	3.1	22.1
2 21	8 47.54	+11 14.7	2.370	3.311	6.2	22.4
3 2	8 40.57	+11 48.6	2.444	3.321	9.3	22.6
3 12	8 35.51	+12 17.8	2.543	3.331	11.9	22.8

496923 2001 UW_{57} 2 2.9 82°.49 5°.0/30.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 29.24	+31 41.3	2.279	3.122	10.9	21.3
1 12	9 22.87	+32 28.4	2.224	3.132	8.2	21.2
1 22	9 14.54	+33 9.7	2.195	3.142	5.9	21.1
2 1	9 5.06	+33 39.5	2.195	3.152	5.1	21.0
2 11	8 55.48	+33 53.3	2.224	3.163	6.6	21.1
2 21	8 46.83	+33 49.8	2.280	3.173	9.1	21.3
3 2	8 39.96	+33 29.7	2.362	3.183	11.6	21.5
3 12	8 35.43	+32 55.8	2.465	3.193	13.8	21.7

338062 2002 OF_{30} 2 2.9 157°.69 2°.0/ 4.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 32.74	+10 50.8	1.651	2.476	15.2	21.5
1 12	9 25.82	+10 53.8	1.580	2.483	11.3	21.3
1 22	9 16.40	+11 9.7	1.533	2.489	6.8	21.0
2 1	9 5.40	+11 35.4	1.513	2.495	2.5	20.8
2 11	8 54.11	+12 6.1	1.522	2.500	4.0	20.9
2 21	8 43.85	+12 37.0	1.560	2.504	8.6	21.1
3 2	8 35.74	+13 4.1	1.624	2.507	12.8	21.4
3 12	8 30.49	+13 24.6	1.709	2.510	16.3	21.6

150173 1998 DO_{28} 2 2.9 243°.53 0°.7/ 3.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 25.59	+12 4.8	1.940	2.772	13.0	20.2
1 12	9 20.49	+12 40.6	1.860	2.769	9.5	20.0
1 22	9 13.36	+13 28.5	1.806	2.766	5.5	19.7
2 1	9 4.89	+14 24.5	1.779	2.763	1.4	19.4
2 11	8 56.09	+15 22.9	1.782	2.760	3.4	19.6
2 21	8 47.99	+16 18.2	1.813	2.757	7.6	19.8
3 2	8 41.55	+17 6.1	1.871	2.754	11.4	20.1
3 12	8 37.41	+17 43.7	1.952	2.750	14.7	20.3

475518 2006 SC_{372} 2 2.9 64°.38 21°.5/22.9 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 52.46	+55 41.7	0.971	1.792	23.7	21.2
1 12	9 44.06	+58 17.0	0.955	1.800	22.2	21.1
1 22	9 28.11	+60 7.9	0.955	1.808	21.5	21.1
2 1	9 7.37	+60 52.6	0.971	1.816	21.9	21.2
2 11	8 46.90	+60 23.2	1.003	1.825	23.2	21.3
2 21	8 31.27	+58 48.6	1.049	1.834	25.0	21.5
3 2	8 22.68	+56 26.6	1.108	1.843	26.9	21.7
3 12	8 21.04	+53 35.7	1.178	1.852	28.6	21.9

294250 2007 UK_{65} 2 2.9 317°.17 0°.7/ 3.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 27.52	+13 56.0	1.402	2.253	16.0	20.9
1 12	9 22.60	+14 6.1	1.323	2.240	11.8	20.6
1 22	9 14.86	+14 28.8	1.265	2.228	6.8	20.3
2 1	9 5.18	+15 0.0	1.233	2.217	1.5	19.9
2 11	8 54.93	+15 33.8	1.227	2.206	4.4	20.0
2 21	8 45.63	+16 4.2	1.247	2.195	9.8	20.3
3 2	8 38.62	+16 26.9	1.291	2.185	14.6	20.6
3 12	8 34.80	+16 39.4	1.354	2.175	18.8	20.8

405213 2003 QN_{14} 2 2.9 217°.12 2°.7/ 4.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 29.11	+ 7 27.3	2.072	2.880	13.2	22.4
1 12	9 22.97	+ 7 35.6	1.980	2.870	10.0	22.2
1 22	9 14.76	+ 7 57.8	1.912	2.861	6.4	22.0
2 1	9 5.15	+ 8 31.9	1.873	2.850	3.2	21.8
2 11	8 55.12	+ 9 14.2	1.863	2.838	3.8	21.8
2 21	8 45.70	+10 0.1	1.884	2.826	7.5	22.0
3 2	8 37.85	+10 45.2	1.931	2.813	11.2	22.2
3 12	8 32.29	+11 25.4	2.002	2.799	14.4	22.4

207010 2004 TQ_{319} 2 2.9 24.°82 3.°6/ 1.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 2	9 28.05	+21 50.1	1.002	1.882	18.4	19.7
1 12	9 23.40	+22 30.9	0.961	1.894	13.2	19.5
1 22	9 15.33	+23 16.2	0.939	1.908	7.6	19.2
2 1	9 5.23	+23 56.1	0.941	1.923	3.6	19.0
2 11	8 55.06	+24 21.7	0.967	1.939	7.0	19.3
2 21	8 46.69	+24 28.6	1.015	1.957	12.2	19.6
3 2	8 41.45	+24 16.5	1.084	1.976	17.0	20.0
3 12	8 39.96	+23 48.0	1.171	1.996	20.8	20.3

462704 2009 WM_{12} 2 2.9 109.°30 0.°7/ 3.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 26.66	+12 45.0	2.030	2.860	12.6	22.1
1 12	9 21.07	+13 12.0	1.961	2.869	9.2	21.9
1 22	9 13.59	+13 49.0	1.918	2.878	5.3	21.6
2 1	9 4.94	+14 32.2	1.904	2.887	1.3	21.4
2 11	8 56.09	+15 16.8	1.919	2.896	3.2	21.5
2 21	8 48.02	+15 58.2	1.963	2.905	7.2	21.8
3 2	8 41.59	+16 33.1	2.033	2.914	10.7	22.0
3 12	8 37.38	+16 59.2	2.127	2.922	13.7	22.3

429300 2010 DA_{1} 2 2.9 264.°52 4.°1/31.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 30.48	+29 15.6	2.316	3.156	10.8	21.3
1 12	9 23.88	+29 44.5	2.234	3.144	8.1	21.1
1 22	9 15.21	+30 9.7	2.178	3.131	5.4	20.9
2 1	9 5.23	+30 25.8	2.152	3.119	4.2	20.8
2 11	8 54.96	+30 28.5	2.155	3.106	5.8	20.9
2 21	8 45.47	+30 15.9	2.187	3.093	8.7	21.0
3 2	8 37.69	+29 48.5	2.244	3.080	11.6	21.2
3 12	8 32.27	+29 8.6	2.324	3.067	14.2	21.4

295409 2008 JF_{22} 2 2.9 317.°23 5.°7/ 5.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 28.03	+ 5 13.5	1.517	2.336	16.6	20.0
1 12	9 22.83	+ 4 19.7	1.428	2.319	13.1	19.8
1 22	9 14.97	+ 3 41.4	1.360	2.302	9.3	19.5
2 1	9 5.23	+ 3 20.2	1.318	2.286	6.1	19.3
2 11	8 54.86	+ 3 15.6	1.302	2.270	6.4	19.2
2 21	8 45.26	+ 3 24.6	1.312	2.254	10.0	19.4
3 2	8 37.71	+ 3 42.7	1.346	2.239	14.2	19.6
3 12	8 33.13	+ 4 4.3	1.400	2.225	18.0	19.8

518463 2005 JY_{80} 2 2.9 129.°62 1.°5/ 1.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 29.09	+19 50.4	2.989	3.814	9.1	22.7
1 12	9 22.29	+20 52.7	2.931	3.839	6.4	22.5
1 22	9 14.08	+21 57.7	2.901	3.863	3.6	22.4
2 1	9 5.03	+23 0.7	2.904	3.885	1.5	22.3
2 11	8 55.86	+23 57.4	2.940	3.906	3.3	22.4
2 21	8 47.30	+24 44.9	3.007	3.927	6.1	22.6
3 2	8 39.98	+25 21.5	3.104	3.946	8.6	22.8
3 12	8 34.37	+25 46.9	3.225	3.964	10.7	23.0

421574 2014 OV_{193} 2 3.0 229.°91 1.°1/ 2.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 29.66	+17 14.0	1.925	2.762	12.8	21.7
1 12	9 23.60	+17 57.2	1.837	2.751	9.3	21.4
1 22	9 15.23	+18 48.6	1.776	2.739	5.2	21.2
2 1	9 5.28	+19 42.8	1.742	2.727	1.2	20.9
2 11	8 54.84	+20 33.7	1.739	2.713	4.1	21.0
2 21	8 45.11	+21 16.0	1.765	2.699	8.5	21.3
3 2	8 37.16	+21 46.4	1.817	2.685	12.4	21.5
3 12	8 31.77	+22 4.1	1.890	2.670	15.8	21.7

246197 2007 RY_{116} 2 3.0 82.°48 3.°3/31.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 29.80	+26 16.0	2.183	3.027	11.3	20.6
1 12	9 23.25	+26 41.7	2.124	3.038	8.2	20.4
1 22	9 14.77	+27 5.3	2.090	3.048	5.0	20.2
2 1	9 5.16	+27 21.8	2.085	3.059	3.3	20.1
2 11	8 55.47	+27 27.4	2.110	3.070	5.1	20.3
2 21	8 46.71	+27 20.3	2.163	3.081	8.2	20.5
3 2	8 39.73	+27 0.8	2.243	3.091	11.2	20.7
3 12	8 35.06	+26 30.6	2.344	3.102	13.7	20.9

413597 2005 UO_{117} 2 3.0 337.°05 5.°3/30.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 28.90	+27 41.2	1.545	2.405	14.2	20.3
1 12	9 23.52	+28 33.1	1.476	2.398	10.5	20.0
1 22	9 15.32	+29 23.3	1.432	2.390	6.9	19.8
2 1	9 5.29	+30 3.3	1.413	2.383	5.3	19.7
2 11	8 54.87	+30 25.5	1.421	2.377	7.6	19.8
2 21	8 45.56	+30 26.5	1.454	2.372	11.4	20.0
3 2	8 38.66	+30 6.6	1.511	2.367	15.2	20.2
3 12	8 34.92	+29 29.1	1.586	2.362	18.5	20.4

146824 2001 YP_{140} 2 3.0 101.°17 2.°9/ 1.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 34.09	+24 46.7	1.892	2.733	12.8	18.4
1 12	9 26.49	+25 0.0	1.833	2.747	9.3	18.2
1 22	9 16.63	+25 11.6	1.800	2.760	5.5	18.0
2 1	9 5.48	+25 16.4	1.795	2.774	2.9	17.9
2 11	8 54.29	+25 10.5	1.820	2.787	5.1	18.1
2 21	8 44.27	+24 52.4	1.874	2.799	8.7	18.3
3 2	8 36.40	+24 23.1	1.954	2.812	12.2	18.5
3 12	8 31.23	+23 44.4	2.056	2.824	15.0	18.8

168694 2000 GN_{66} 2 3.0 280.°59 0.°8/ 2.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 2	9 25.98	+17 37.8	2.169	3.008	11.5	20.2
1 12	9 20.67	+18 3.5	2.084	2.998	8.3	20.0
1 22	9 13.45	+18 35.2	2.024	2.988	4.6	19.7
2 1	9 4.97	+19 8.7	1.993	2.978	1.0	19.4
2 11	8 56.16	+19 39.7	1.992	2.967	3.6	19.6
2 21	8 47.99	+20 4.5	2.020	2.957	7.4	19.8
3 2	8 41.34	+20 20.6	2.075	2.947	10.9	20.0
3 12	8 36.86	+20 27.1	2.152	2.937	13.9	20.2

415857 2001 SM_{132} 2 3.0 136.°91 0.°7/ 2.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 29.63	+17 28.2	2.088	2.923	12.1	21.8
1 12	9 23.18	+17 53.9	2.021	2.933	8.7	21.6
1 22	9 14.77	+18 25.1	1.980	2.943	4.8	21.3
2 1	9 5.18	+18 57.4	1.968	2.953	1.0	21.1
2 11	8 55.41	+19 26.3	1.987	2.962	3.6	21.3
2 21	8 46.50	+19 48.4	2.035	2.970	7.4	21.5
3 2	8 39.30	+20 1.7	2.109	2.979	10.9	21.8
3 12	8 34.40	+20 5.8	2.207	2.986	13.8	22.0

330513 2007 RX_{16} 2 3.0 149.°11 2.°4/ 4.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 26.05	+ 8 8.2	2.491	3.297	11.3	20.7
1 12	9 20.36	+ 8 4.2	2.413	3.303	8.5	20.5
1 22	9 13.11	+ 8 10.4	2.360	3.308	5.4	20.3
2 1	9 4.90	+ 8 25.4	2.337	3.313	2.7	20.1
2 11	8 56.50	+ 8 46.6	2.344	3.318	3.3	20.2
2 21	8 48.70	+ 9 11.0	2.381	3.322	6.2	20.4
3 2	8 42.21	+ 9 35.6	2.445	3.326	9.1	20.6
3 12	8 37.53	+ 9 57.7	2.534	3.330	11.8	20.7

496823 1995 QZ_{14} 2 3.0 117.°17 2.°3/ 4.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 24.40	+ 7 30.6	2.499	3.306	11.2	22.2
1 12	9 19.17	+ 7 42.8	2.426	3.316	8.5	22.0
1 22	9 12.43	+ 8 6.3	2.378	3.326	5.4	21.8
2 1	9 4.79	+ 8 39.1	2.359	3.336	2.7	21.7
2 11	8 56.98	+ 9 17.9	2.370	3.345	3.1	21.7
2 21	8 49.76	+ 9 59.0	2.411	3.354	6.0	21.9
3 2	8 43.82	+10 39.1	2.480	3.363	8.9	22.1
3 12	8 39.63	+11 15.0	2.574	3.372	11.5	22.3

422862 2002 PE_{35} 2 3.0 251.°21 0.°0/ 3.0 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 27.58	+15 36.3	2.502	3.328	10.6	22.4
1 12	9 21.66	+15 50.4	2.402	3.309	7.7	22.2
1 22	9 13.96	+16 10.4	2.329	3.290	4.4	21.9
2 1	9 5.07	+16 33.6	2.285	3.270	0.8	21.6
2 11	8 55.80	+16 56.5	2.272	3.249	3.0	21.7
2 21	8 47.02	+17 16.1	2.290	3.228	6.6	21.9
3 2	8 39.55	+17 30.1	2.336	3.206	9.9	22.1
3 12	8 34.01	+17 37.2	2.405	3.184	12.8	22.3

259992 2004 FL_{82} 2 3.0 248.°89 1.°5/ 1.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 28.12	+18 15.8	2.109	2.947	11.8	21.5
1 12	9 22.40	+19 7.2	2.015	2.929	8.6	21.2
1 22	9 14.54	+20 6.2	1.947	2.911	4.8	21.0
2 1	9 5.18	+21 7.4	1.909	2.892	1.5	20.7
2 11	8 55.32	+22 4.5	1.900	2.872	4.2	20.9
2 21	8 46.02	+22 52.5	1.921	2.852	8.2	21.1
3 2	8 38.31	+23 28.1	1.969	2.832	11.9	21.3
3 12	8 32.93	+23 50.2	2.039	2.810	15.0	21.4

30393 2000 KN_{30} 2 3.0 73.°08 2.°5/ 1.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 30.07	+20 45.3	1.698	2.547	13.7	17.8
1 12	9 23.74	+21 42.7	1.654	2.573	9.7	17.6
1 22	9 15.14	+22 43.5	1.634	2.599	5.5	17.4
2 1	9 5.25	+23 40.7	1.643	2.624	2.5	17.2
2 11	8 55.33	+24 27.4	1.680	2.649	5.1	17.5
2 21	8 46.59	+24 59.8	1.745	2.674	9.0	17.8
3 2	8 39.98	+25 16.6	1.836	2.699	12.6	18.0
3 12	8 36.06	+25 18.8	1.947	2.723	15.5	18.3

88996 2001 TY_{75} 2 3.0 95.°50 3.°1/31.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 29.60	+22 52.7	1.863	2.711	12.7	19.1
1 12	9 23.38	+23 49.6	1.809	2.727	9.1	18.9
1 22	9 14.96	+24 48.3	1.781	2.743	5.3	18.7
2 1	9 5.24	+25 41.9	1.781	2.758	3.1	18.6
2 11	8 55.37	+26 24.2	1.810	2.774	5.4	18.7
2 21	8 46.53	+26 51.6	1.867	2.789	9.0	19.0
3 2	8 39.67	+27 3.1	1.949	2.804	12.3	19.2
3 12	8 35.38	+27 0.0	2.053	2.818	15.1	19.4

379922 2012 KT_{18} 2 3.0 255.°66 1.°5/ 4.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 2	9 25.29	+ 8 51.3	2.158	2.976	12.4	21.3
1 12	9 20.26	+ 9 37.7	2.060	2.959	9.3	21.0
1 22	9 13.30	+10 39.2	1.987	2.942	5.7	20.8
2 1	9 4.99	+11 52.4	1.943	2.925	2.0	20.5
2 11	8 56.21	+13 11.8	1.929	2.907	3.2	20.6
2 21	8 47.92	+14 31.2	1.946	2.889	7.2	20.8
3 2	8 41.04	+15 45.1	1.989	2.871	10.9	21.0
3 12	8 36.26	+16 49.4	2.057	2.852	14.1	21.1