377576 2005 NB_{16} 10 29.0 117°.11 0°.2/28.8 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 28	2 41.11	+14 49.1	1.669	2.539	13.9	21.6
10 8	2 34.03	+14 18.3	1.618	2.555	9.8	21.4
10 18	2 24.92	+13 37.5	1.591	2.570	5.2	21.2
10 28	2 14.77	+12 50.8	1.592	2.585	0.5	20.9
11 7	2 4.80	+12 3.8	1.621	2.599	4.4	21.2
11 17	1 56.12	+11 22.5	1.678	2.613	8.8	21.5
11 27	1 49.59	+10 52.0	1.761	2.626	12.6	21.8
12 7	1 45.67	+10 35.5	1.864	2.639	15.8	22.0

43382 2000 WJ_{49} 10 29.0 172°.73 3°.7/24.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 34.04	+ 0 22.4	2.933	3.806	8.4	19.1
10 8	2 28.45	− 0 25.4	2.876	3.809	6.2	19.0
10 18	2 21.76	− 1 10.9	2.846	3.812	4.2	18.9
10 28	2 14.50	− 1 50.1	2.846	3.814	3.9	18.8
11 7	2 7.26	− 2 19.8	2.875	3.816	5.4	18.9
11 17	2 0.64	− 2 37.5	2.934	3.817	7.6	19.1
11 27	1 55.14	− 2 41.9	3.018	3.818	9.8	19.2
12 7	1 51.12	− 2 33.0	3.125	3.818	11.6	19.4

112984 2002 RF_{28} 10 29.0 28°.00 2°.6/27.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 37.82	+ 7 48.5	1.558	2.446	13.6	18.2
10 8	2 31.87	+ 7 27.6	1.506	2.452	9.6	18.0
10 18	2 23.84	+ 7 4.0	1.477	2.458	5.3	17.7
10 28	2 14.69	+ 6 42.3	1.475	2.465	2.6	17.6
11 7	2 5.61	+ 6 27.6	1.500	2.472	5.8	17.8
11 17	1 57.74	+ 6 23.7	1.552	2.480	10.0	18.1
11 27	1 51.96	+ 6 33.4	1.627	2.488	13.7	18.3
12 7	1 48.80	+ 6 57.3	1.722	2.497	16.9	18.6

216648 2003 SY_{206} 10 29.0 352°.92 1°.5/30.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 38.54	+18 12.8	1.614	2.482	14.4	20.1
10 8	2 32.55	+18 11.2	1.548	2.481	10.5	19.9
10 18	2 24.30	+17 56.7	1.504	2.480	6.1	19.6
10 28	2 14.75	+17 31.2	1.487	2.479	1.8	19.4
11 7	2 5.12	+16 59.1	1.498	2.478	4.2	19.5
11 17	1 56.63	+16 25.9	1.535	2.478	8.7	19.8
11 27	1 50.31	+15 57.8	1.597	2.478	12.8	20.0
12 7	1 46.72	+15 39.8	1.680	2.478	16.3	20.3

208080 1999 VV_{180} 10 29.0 337°.96 4°.0/24.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 30.68	+16 30.0	1.203	2.101	16.1	18.6
10 8	2 27.43	+12 44.1	1.128	2.081	11.2	18.2
10 18	2 21.69	+ 8 23.3	1.079	2.063	5.9	17.9
10 28	2 14.51	+ 3 47.4	1.060	2.047	4.5	17.8
11 7	2 7.26	− 0 36.9	1.071	2.031	9.5	18.0
11 17	2 1.26	− 4 25.5	1.109	2.017	15.0	18.3
11 27	1 57.62	− 7 23.6	1.171	2.005	19.8	18.5
12 7	1 56.92	− 9 28.1	1.250	1.994	23.6	18.8

9118 1997 GD_{20} 10 29.0 19°.71 0°.7/28.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 34.25	+13 28.3	1.359	2.252	15.0	16.5
10 8	2 29.52	+13 3.8	1.317	2.265	10.5	16.2
10 18	2 22.61	+12 30.0	1.296	2.279	5.6	16.0
10 28	2 14.59	+11 51.7	1.301	2.294	0.7	15.7
11 7	2 6.72	+11 15.2	1.331	2.311	4.9	16.1
11 17	2 0.18	+10 46.5	1.386	2.328	9.6	16.4
11 27	1 55.87	+10 30.3	1.465	2.347	13.7	16.7
12 7	1 54.23	+10 29.0	1.564	2.367	17.1	16.9

472755 2015 FO_{113} 10 29.0 245°.74 3°.2/31.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 40.02	+23 1.2	1.542	2.396	15.7	21.2
10 8	2 33.83	+22 52.0	1.467	2.389	11.8	20.9
10 18	2 25.11	+22 23.4	1.414	2.381	7.5	20.7
10 28	2 14.84	+21 36.6	1.387	2.374	3.6	20.4
11 7	2 4.41	+20 36.4	1.386	2.366	4.8	20.5
11 17	1 55.19	+19 30.5	1.413	2.358	9.2	20.7
11 27	1 48.34	+18 27.9	1.464	2.349	13.5	21.0
12 7	1 44.52	+17 36.2	1.537	2.341	17.3	21.2

54279 2000 JC_{47} 10 29.0 258°.05 2°.8/30.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 40.79	+20 59.9	1.620	2.476	14.9	19.5
10 8	2 34.31	+21 8.7	1.544	2.468	11.1	19.3
10 18	2 25.35	+21 2.2	1.490	2.459	6.9	19.0
10 28	2 14.87	+20 40.8	1.463	2.451	3.1	18.8
11 7	2 4.16	+20 8.0	1.463	2.442	4.6	18.9
11 17	1 54.58	+19 29.6	1.490	2.433	8.9	19.1
11 27	1 47.26	+18 52.9	1.542	2.424	13.1	19.3
12 7	1 42.88	+18 24.3	1.616	2.415	16.8	19.6

174623 2003 SC_{74} 10 29.0 272°.78 4°.6/31.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 41.55	+24 30.2	1.418	2.270	16.9	20.5
10 8	2 35.21	+24 49.0	1.344	2.262	13.0	20.3
10 18	2 25.98	+24 47.4	1.290	2.253	8.7	20.0
10 28	2 14.93	+24 24.5	1.262	2.244	5.0	19.8
11 7	2 3.60	+23 43.4	1.259	2.235	5.7	19.8
11 17	1 53.57	+22 51.1	1.282	2.227	9.9	20.0
11 27	1 46.18	+21 57.3	1.329	2.218	14.3	20.3
12 7	1 42.18	+21 10.9	1.396	2.209	18.2	20.5

231884 2000 VE_{6} 10 29.0 346°.13 0°.0/28.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 28	2 38.20	+15 2.4	1.588	2.465	14.1	19.5
10 8	2 32.27	+14 41.9	1.524	2.464	10.1	19.2
10 18	2 24.14	+14 10.7	1.483	2.463	5.5	19.0
10 28	2 14.75	+13 32.3	1.469	2.462	0.5	18.6
11 7	2 5.33	+12 52.1	1.482	2.462	4.5	18.9
11 17	1 57.05	+12 16.2	1.522	2.461	9.1	19.2
11 27	1 50.91	+11 50.1	1.586	2.461	13.3	19.4
12 7	1 47.48	+11 37.5	1.671	2.460	16.7	19.7

388940 2008 SD_{260} 10 29.0 32°.15 1°.2/27.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 28.86	+ 7 57.5	4.098	4.969	6.3	20.8
10 8	2 24.65	+ 7 39.0	4.032	4.971	4.4	20.7
10 18	2 19.70	+ 7 19.3	3.994	4.972	2.4	20.6
10 28	2 14.34	+ 7 0.2	3.985	4.974	1.2	20.5
11 7	2 8.98	+ 6 43.7	4.008	4.976	2.7	20.6
11 17	2 4.00	+ 6 31.5	4.060	4.978	4.7	20.7
11 27	1 59.76	+ 6 25.1	4.141	4.980	6.6	20.9
12 7	1 56.55	+ 6 25.4	4.246	4.982	8.2	21.0

206466 2003 TZ_{41} 10 29.0 352°.36 0°.9/29.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 35.45	+18 12.4	1.474	2.351	15.0	20.7
10 8	2 30.48	+17 39.8	1.410	2.348	10.8	20.5
10 18	2 23.23	+16 51.7	1.368	2.346	6.1	20.2
10 28	2 14.67	+15 51.9	1.351	2.344	1.3	19.9
11 7	2 6.07	+14 47.2	1.361	2.342	4.4	20.1
11 17	1 58.66	+13 45.6	1.397	2.341	9.3	20.4
11 27	1 53.46	+12 54.7	1.457	2.341	13.6	20.6
12 7	1 51.02	+12 19.5	1.537	2.341	17.3	20.9

186416 2002 QQ_{99} 10 29.0 326°.12 2°.5/27.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 37.96	+ 9 41.2	1.226	2.123	15.9	19.9
10 8	2 32.64	+ 9 12.8	1.162	2.112	11.3	19.6
10 18	2 24.56	+ 8 37.6	1.119	2.102	6.1	19.3
10 28	2 14.81	+ 8 1.3	1.100	2.092	2.5	19.1
11 7	2 4.87	+ 7 31.2	1.107	2.082	6.6	19.3
11 17	1 56.26	+ 7 13.8	1.138	2.074	11.9	19.6
11 27	1 50.23	+ 7 13.8	1.190	2.066	16.7	19.8
12 7	1 47.47	+ 7 32.9	1.261	2.059	20.7	20.1

306879 2001 TY_{15} 10 29.0 1°.79 4°.3/26.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 38.50	+ 4 53.8	1.164	2.066	16.2	19.7
10 8	2 32.93	+ 4 35.1	1.113	2.064	11.6	19.4
10 18	2 24.64	+ 4 17.1	1.083	2.063	6.8	19.2
10 28	2 14.81	+ 4 6.0	1.077	2.064	4.4	19.0
11 7	2 4.98	+ 4 7.8	1.095	2.065	7.7	19.2
11 17	1 56.65	+ 4 26.1	1.137	2.067	12.5	19.5
11 27	1 50.98	+ 5 2.4	1.200	2.070	17.0	19.8
12 7	1 48.55	+ 5 55.6	1.281	2.075	20.6	20.0

393386 2000 GL_{121} 10 29.0 172°.14 1°.3/27.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 36.00	+11 56.6	2.163	3.035	11.0	22.1
10 8	2 30.20	+11 9.6	2.098	3.037	7.7	21.9
10 18	2 22.84	+10 16.0	2.059	3.039	4.1	21.7
10 28	2 14.64	+ 9 20.1	2.048	3.040	1.3	21.5
11 7	2 6.46	+ 8 26.9	2.068	3.041	4.2	21.7
11 17	1 59.13	+ 7 41.3	2.116	3.042	7.8	21.9
11 27	1 53.36	+ 7 7.4	2.190	3.043	11.1	22.1
12 7	1 49.60	+ 6 47.4	2.287	3.043	13.8	22.3

261902 2006 HZ_{86} 10 29.0 102°.02 3°.3/27.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 44.17	+ 6 42.2	1.436	2.319	14.9	20.7
10 8	2 36.30	+ 6 12.7	1.396	2.339	10.5	20.5
10 18	2 26.16	+ 5 41.6	1.379	2.358	5.9	20.3
10 28	2 14.94	+ 5 14.5	1.389	2.377	3.3	20.2
11 7	2 4.02	+ 4 56.7	1.427	2.396	6.5	20.5
11 17	1 54.64	+ 4 52.3	1.491	2.413	10.8	20.8
11 27	1 47.75	+ 5 3.3	1.579	2.431	14.6	21.0
12 7	1 43.77	+ 5 29.7	1.687	2.447	17.7	21.3

124778 2001 SE_{249} 10 29.0 54°.75 0°.7/28.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 40.35	+13 31.9	1.281	2.167	16.1	19.7
10 8	2 33.83	+13 7.9	1.243	2.188	11.3	19.5
10 18	2 24.91	+12 33.9	1.227	2.208	6.0	19.2
10 28	2 14.83	+11 55.0	1.236	2.230	0.8	18.9
11 7	2 5.05	+11 17.9	1.272	2.251	5.2	19.3
11 17	1 56.89	+10 48.7	1.333	2.273	10.1	19.7
11 27	1 51.30	+10 32.5	1.417	2.294	14.4	20.0
12 7	1 48.70	+10 31.7	1.521	2.316	17.8	20.3

378072 2006 UY_{51} 10 29.0 178°.79 1°.5/29.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 42.26	+18 14.9	1.716	2.575	14.1	21.0
10 8	2 35.09	+18 12.4	1.648	2.576	10.3	20.8
10 18	2 25.66	+17 57.2	1.604	2.577	5.9	20.5
10 28	2 14.92	+17 31.2	1.586	2.578	1.8	20.3
11 7	2 4.12	+16 58.3	1.598	2.578	4.1	20.4
11 17	1 54.49	+16 24.0	1.637	2.577	8.6	20.7
11 27	1 47.03	+15 54.5	1.703	2.576	12.6	21.0
12 7	1 42.33	+15 34.6	1.790	2.575	15.9	21.2

508453 2016 NF_1 10 29.0 359°.43 26°.8/28.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 28	2 28.35	−36 34.2	0.841	1.679	26.8	19.0
10 8	2 26.48	−39 9.1	0.841	1.671	27.2	19.0
10 18	2 21.32	−40 40.1	0.853	1.666	27.9	19.0
10 28	2 14.50	−40 56.8	0.874	1.664	28.9	19.1
11 7	2 8.01	−39 58.8	0.904	1.665	30.0	19.2
11 17	2 3.47	−37 53.1	0.942	1.669	31.0	19.3
11 27	2 1.96	−34 51.1	0.988	1.675	31.9	19.4
12 7	2 3.81	−31 7.3	1.041	1.684	32.7	19.6

320189 2007 GC_{51} 10 29.0 143°.58 0°.2/29.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 33.92	+16 58.3	2.735	3.591	9.5	21.5
10 8	2 28.48	+16 16.0	2.670	3.599	6.8	21.3
10 18	2 21.84	+15 25.5	2.631	3.608	3.7	21.1
10 28	2 14.57	+14 29.5	2.622	3.616	0.5	20.9
11 7	2 7.34	+13 32.1	2.644	3.623	2.8	21.1
11 17	2 0.82	+12 37.5	2.696	3.630	5.9	21.3
11 27	1 55.54	+11 49.6	2.776	3.637	8.7	21.5
12 7	1 51.89	+11 11.5	2.881	3.644	11.0	21.7

439699 2014 KY_{23} 10 29.0 47°.45 4°.3/26.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 37.27	+ 3 51.8	1.692	2.579	12.8	20.7
10 8	2 31.37	+ 3 7.2	1.639	2.583	9.1	20.4
10 18	2 23.56	+ 2 23.3	1.611	2.587	5.6	20.3
10 28	2 14.74	+ 1 45.9	1.609	2.591	4.3	20.2
11 7	2 5.98	+ 1 20.7	1.635	2.595	6.9	20.4
11 17	1 58.31	+ 1 11.4	1.687	2.599	10.5	20.6
11 27	1 52.57	+ 1 19.8	1.763	2.603	13.9	20.8
12 7	1 49.25	+ 1 45.6	1.859	2.608	16.7	21.0

287468 2003 AZ_{36} 10 29.0 334°.76 4°.0/31.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 33.30	+24 1.1	1.124	2.002	18.5	19.5
10 8	2 29.77	+23 47.1	1.051	1.985	14.1	19.2
10 18	2 23.23	+23 6.4	0.997	1.968	9.1	18.9
10 28	2 14.75	+22 0.0	0.966	1.953	4.6	18.6
11 7	2 5.95	+20 34.8	0.958	1.939	5.7	18.6
11 17	1 58.53	+19 2.2	0.973	1.927	10.9	18.8
11 27	1 53.91	+17 35.8	1.009	1.916	16.1	19.1
12 7	1 52.86	+16 26.1	1.065	1.906	20.7	19.4

352512 2008 CJ_{87} 10 29.0 74°.25 14°.8/ 5.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 54.38	+39 15.7	1.099	1.894	24.4	20.5
10 8	2 45.89	+41 36.4	1.049	1.903	21.2	20.3
10 18	2 32.45	+43 20.9	1.016	1.913	17.9	20.2
10 28	2 15.65	+44 15.8	1.002	1.923	15.5	20.1
11 7	1 58.31	+44 16.3	1.010	1.932	14.9	20.1
11 17	1 43.42	+43 29.2	1.038	1.942	16.2	20.2
11 27	1 33.23	+42 11.6	1.086	1.952	18.7	20.4
12 7	1 28.56	+40 43.0	1.151	1.962	21.5	20.6

99897 2002 QO_{14} 10 29.0 168°.97 4°.1/ 2.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 35.73	+30 38.5	2.759	3.555	11.1	19.9
10 8	2 29.95	+30 31.8	2.680	3.558	8.9	19.7
10 18	2 22.71	+30 9.3	2.625	3.560	6.5	19.5
10 28	2 14.69	+29 31.4	2.598	3.562	4.5	19.4
11 7	2 6.66	+28 40.4	2.600	3.564	4.3	19.4
11 17	1 59.36	+27 40.4	2.631	3.565	6.1	19.5
11 27	1 53.48	+26 36.9	2.691	3.566	8.4	19.7
12 7	1 49.44	+25 35.3	2.776	3.567	10.7	19.9

335417 2005 UH_{16} 10 29.0 11°.15 1°.2/28.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 35.92	+12 10.8	1.034	1.939	17.5	19.4
10 8	2 31.33	+11 53.7	0.988	1.942	12.4	19.2
10 18	2 23.86	+11 26.7	0.962	1.946	6.6	18.9
10 28	2 14.80	+10 55.5	0.959	1.952	1.3	18.5
11 7	2 5.82	+10 27.4	0.979	1.959	6.0	18.9
11 17	1 58.47	+10 9.4	1.022	1.968	11.7	19.2
11 27	1 53.94	+10 6.6	1.086	1.978	16.6	19.5
12 7	1 52.77	+10 21.3	1.168	1.989	20.6	19.8

512056 2015 MW_{102} 10 29.0 343°.19 11°.4/17.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 34.33	−13 31.3	1.643	2.516	13.9	20.1
10 8	2 29.39	−15 42.8	1.609	2.514	12.1	20.0
10 18	2 22.55	−17 36.9	1.599	2.512	11.4	19.9
10 28	2 14.68	−19 2.8	1.613	2.510	12.2	20.0
11 7	2 6.88	−19 53.9	1.649	2.508	14.0	20.1
11 17	2 0.15	−20 7.9	1.707	2.507	16.2	20.2
11 27	1 55.34	−19 46.9	1.782	2.506	18.3	20.4
12 7	1 52.92	−18 56.3	1.872	2.505	20.1	20.6

299696 2006 QJ_{139} 10 29.0 18°.56 7°.0/22.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 33.97	− 1 2.6	1.616	2.510	12.9	19.7
10 8	2 29.10	− 2 44.4	1.571	2.512	9.7	19.5
10 18	2 22.37	− 4 21.6	1.551	2.515	7.3	19.4
10 28	2 14.67	− 5 44.5	1.557	2.517	7.3	19.4
11 7	2 7.04	− 6 45.5	1.589	2.521	9.7	19.5
11 17	2 0.48	− 7 20.0	1.645	2.524	12.8	19.7
11 27	1 55.81	− 7 26.8	1.723	2.528	15.7	20.0
12 7	1 53.47	− 7 8.3	1.819	2.532	18.2	20.2

384281 2009 QC_{20} 10 29.0 10°.87 1°.7/29.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 28	2 34.11	+17 42.3	0.902	1.807	19.4	19.7
10 8	2 30.37	+17 41.2	0.859	1.810	14.1	19.5
10 18	2 23.47	+17 21.2	0.834	1.815	8.0	19.2
10 28	2 14.78	+16 46.3	0.830	1.822	2.1	18.8
11 7	2 6.17	+16 4.2	0.848	1.831	5.6	19.1
11 17	1 59.36	+15 24.5	0.888	1.842	11.5	19.5
11 27	1 55.64	+14 56.1	0.948	1.855	16.8	19.8
12 7	1 55.55	+14 44.3	1.025	1.870	21.1	20.1

263826 2008 SA_{180} 10 29.0 342°.51 0°.3/28.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 28.89	+12 44.6	3.969	4.833	6.7	20.2
10 8	2 24.76	+12 28.4	3.895	4.830	4.7	20.1
10 18	2 19.81	+12 8.8	3.849	4.828	2.5	19.9
10 28	2 14.44	+11 47.5	3.833	4.826	0.4	19.7
11 7	2 9.04	+11 26.4	3.847	4.824	2.2	19.9
11 17	2 4.03	+11 7.5	3.892	4.822	4.4	20.1
11 27	1 59.79	+10 52.9	3.964	4.820	6.4	20.2
12 7	1 56.62	+10 43.9	4.063	4.818	8.2	20.3

447184 2005 ST_{85} 10 29.0 14°.53 0°.8/28.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 34.76	+13 20.1	1.585	2.470	13.6	20.9
10 8	2 29.78	+12 46.5	1.529	2.473	9.6	20.7
10 18	2 22.80	+12 3.8	1.496	2.477	5.1	20.5
10 28	2 14.72	+11 16.8	1.489	2.482	0.9	20.2
11 7	2 6.68	+10 31.5	1.510	2.488	4.7	20.5
11 17	1 59.76	+ 9 53.9	1.557	2.494	9.1	20.8
11 27	1 54.83	+ 9 28.8	1.628	2.501	13.1	21.0
12 7	1 52.40	+ 9 19.0	1.720	2.509	16.3	21.3

414606 2009 UG_{108} 10 29.0 164°.64 2°.1/27.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 36.60	+ 6 56.4	2.485	3.357	9.8	20.9
10 8	2 30.49	+ 6 41.5	2.420	3.359	6.9	20.8
10 18	2 23.00	+ 6 25.3	2.382	3.360	3.8	20.6
10 28	2 14.75	+ 6 10.9	2.373	3.362	2.1	20.5
11 7	2 6.50	+ 6 1.1	2.395	3.363	4.3	20.6
11 17	1 58.99	+ 5 58.6	2.446	3.364	7.3	20.8
11 27	1 52.84	+ 6 5.2	2.523	3.365	10.1	21.0
12 7	1 48.48	+ 6 21.9	2.624	3.366	12.5	21.2

325545 2009 SZ_{70} 10 29.0 14°.87 3°.3/25.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 32.95	+ 6 49.4	1.953	2.841	11.3	19.7
10 8	2 28.19	+ 5 40.9	1.897	2.843	8.0	19.5
10 18	2 21.84	+ 4 29.6	1.867	2.845	4.7	19.3
10 28	2 14.65	+ 3 21.5	1.864	2.848	3.4	19.3
11 7	2 7.50	+ 2 22.9	1.889	2.850	5.9	19.4
11 17	2 1.22	+ 1 38.7	1.941	2.854	9.3	19.6
11 27	1 56.53	+ 1 12.1	2.018	2.857	12.4	19.8
12 7	1 53.86	+ 1 3.9	2.116	2.861	15.1	20.0

68372 2001 PM_9 10 29.0 183°.74 3°.6/31.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 52.68	+25 31.8	1.455	2.285	17.7	22.3
10 8	2 42.94	+24 56.5	1.380	2.289	13.4	22.1
10 18	2 30.08	+23 54.8	1.329	2.291	8.5	21.8
10 28	2 15.44	+22 27.8	1.304	2.290	4.1	21.5
11 7	2 0.81	+20 42.9	1.309	2.287	5.3	21.6
11 17	1 47.92	+18 52.0	1.343	2.282	10.2	21.9
11 27	1 38.10	+17 8.1	1.403	2.274	14.9	22.2
12 7	1 31.96	+15 41.5	1.485	2.264	18.9	22.4

215830 2005 BK_8 10 29.0 188°.78 4°.6/26.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 41.17	+ 4 18.4	1.420	2.309	14.7	20.5
10 8	2 34.50	+ 3 34.4	1.364	2.309	10.5	20.3
10 18	2 25.42	+ 2 50.3	1.332	2.309	6.4	20.0
10 28	2 15.00	+ 2 13.2	1.325	2.308	4.7	19.9
11 7	2 4.60	+ 1 49.4	1.345	2.308	7.7	20.1
11 17	1 55.52	+ 1 43.6	1.391	2.307	11.9	20.4
11 27	1 48.82	+ 1 57.7	1.459	2.306	15.9	20.6
12 7	1 45.05	+ 2 31.1	1.546	2.304	19.2	20.8

82875 2001 QB_{67} 10 29.0 36°.81 4°.0/31.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 40.03	+23 8.6	1.448	2.305	16.3	18.0
10 8	2 33.71	+23 34.7	1.402	2.323	12.3	17.8
10 18	2 24.97	+23 42.6	1.377	2.342	8.0	17.6
10 28	2 14.95	+23 32.4	1.378	2.362	4.4	17.5
11 7	2 5.08	+23 8.0	1.404	2.382	5.1	17.5
11 17	1 56.67	+22 35.4	1.457	2.403	8.9	17.8
11 27	1 50.73	+22 2.4	1.535	2.424	12.7	18.1
12 7	1 47.78	+21 35.4	1.633	2.446	16.0	18.4

349817 2009 BY_{165} 10 29.0 323°.38 1°.1/29.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 36.33	+17 51.1	1.524	2.399	14.7	21.0
10 8	2 31.21	+17 33.4	1.450	2.388	10.7	20.8
10 18	2 23.74	+17 1.4	1.399	2.377	6.1	20.5
10 28	2 14.85	+16 17.8	1.374	2.367	1.4	20.2
11 7	2 5.79	+15 28.4	1.375	2.357	4.4	20.3
11 17	1 57.81	+14 39.9	1.403	2.347	9.2	20.6
11 27	1 52.01	+13 59.5	1.454	2.338	13.7	20.8
12 7	1 49.02	+13 32.5	1.527	2.330	17.4	21.1

396748 2003 SJ_{281} 10 29.0 78°.23 2°.0/31.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 28	2 34.70	+22 14.8	2.223	3.069	11.8	20.6
10 8	2 29.34	+21 44.5	2.158	3.077	8.7	20.4
10 18	2 22.44	+21 0.5	2.117	3.085	5.3	20.2
10 28	2 14.71	+20 5.3	2.105	3.093	2.3	20.0
11 7	2 7.04	+19 3.3	2.121	3.101	3.3	20.1
11 17	2 0.24	+17 59.9	2.167	3.109	6.6	20.3
11 27	1 55.01	+17 1.1	2.240	3.117	9.8	20.6
12 7	1 51.77	+16 11.3	2.336	3.125	12.5	20.8

324308 2006 DG_{153} 10 29.0 20°.85 8°.4/ 4.0 17

9 28	2 41.19	+34 35.0	1.771	2.566	16.5	19.9
10 8	2 34.72	+35 43.4	1.709	2.573	13.7	19.7
10 18	2 25.66	+36 28.7	1.667	2.581	11.0	19.6
10 28	2 15.04	+36 47.0	1.650	2.590	8.9	19.5
11 7	2 4.23	+36 38.4	1.657	2.600	8.5	19.5
11 17	1 54.66	+36 7.2	1.690	2.610	9.9	19.6
11 27	1 47.49	+35 21.6	1.748	2.621	12.3	19.7
12 7	1 43.39	+34 30.8	1.828	2.633	14.9	19.9

15532 2000 AP_{126} 10 29.0 112°.35 5°.1/ 3.2 18

9 28	2 36.56	+31 39.5	2.364	3.162	12.7	17.6
10 8	2 30.78	+31 44.0	2.288	3.165	10.2	17.5
10 18	2 23.27	+31 30.2	2.236	3.167	7.6	17.3
10 28	2 14.80	+30 57.8	2.209	3.169	5.5	17.2
11 7	2 6.29	+30 9.2	2.211	3.172	5.2	17.2
11 17	1 58.64	+29 9.0	2.241	3.174	7.0	17.3
11 27	1 52.66	+28 3.7	2.298	3.176	9.6	17.4
12 7	1 48.83	+26 59.8	2.379	3.178	12.0	17.6

75332 1999 XN_{53} 10 29.0 195°.61 2°.4/31.4 18

9 28	2 37.15	+24 1.3	2.126	2.964	12.6	19.9
10 8	2 31.21	+23 24.8	2.049	2.962	9.4	19.7
10 18	2 23.50	+22 31.7	1.996	2.960	5.9	19.5
10 28	2 14.82	+21 24.2	1.970	2.957	2.8	19.3
11 7	2 6.13	+20 7.1	1.975	2.954	3.6	19.4
11 17	1 58.35	+18 46.9	2.009	2.950	7.1	19.6
11 27	1 52.30	+17 30.9	2.070	2.946	10.5	19.8
12 7	1 48.45	+16 24.8	2.155	2.942	13.5	20.0

185138 2006 SE_{123} 10 29.0 20°.19 3°.9/26.7 18

9 28	2 36.64	+ 5 20.0	1.425	2.321	14.2	19.8
10 8	2 31.19	+ 4 46.7	1.379	2.327	10.1	19.6
10 18	2 23.58	+ 4 13.3	1.355	2.334	5.9	19.4
10 28	2 14.83	+ 3 45.6	1.356	2.342	4.0	19.3
11 7	2 6.19	+ 3 29.4	1.384	2.351	6.9	19.5
11 17	1 58.82	+ 3 28.6	1.437	2.361	11.0	19.7
11 27	1 53.63	+ 3 44.9	1.513	2.371	14.8	20.0
12 7	1 51.12	+ 4 18.1	1.608	2.382	17.9	20.2

150796 2001 RO_{54} 10 29.0 92°.65 0°.6/29.4 18

9 28	2 40.59	+15 49.8	1.540	2.412	14.7	20.0
10 8	2 34.06	+15 44.1	1.478	2.415	10.5	19.7
10 18	2 25.19	+15 27.2	1.440	2.418	5.8	19.5
10 28	2 14.99	+15 1.8	1.428	2.421	0.9	19.1
11 7	2 4.77	+14 32.6	1.443	2.423	4.4	19.4
11 17	1 55.80	+14 5.2	1.485	2.426	9.2	19.7
11 27	1 49.11	+13 45.4	1.552	2.429	13.4	20.0
12 7	1 45.28	+13 37.2	1.640	2.431	16.9	20.2

436594 2011 KR_{2} 10 29.0 94°.36 2°.7/27.3 18

9 28	2 40.44	+ 7 27.7	1.676	2.557	13.2	21.1
10 8	2 33.56	+ 6 58.4	1.629	2.572	9.3	20.9
10 18	2 24.74	+ 6 26.8	1.608	2.587	5.1	20.7
10 28	2 14.95	+ 5 57.8	1.613	2.602	2.8	20.6
11 7	2 5.33	+ 5 36.1	1.647	2.617	5.7	20.8
11 17	1 56.94	+ 5 25.8	1.708	2.631	9.6	21.1
11 27	1 50.62	+ 5 29.3	1.794	2.645	13.2	21.3
12 7	1 46.81	+ 5 47.1	1.900	2.659	16.1	21.6

508338 2015 SO_{20} 10 29.0 0°.54 0°.0/29.4 17

9 28	2 16.79	+14 48.4	32.450	33.305	0.9	21.8
10 8	2 15.94	+14 46.0	32.378	33.307	0.6	21.8
10 18	2 15.01	+14 43.2	32.334	33.310	0.3	21.7
10 28	2 14.03	+14 40.0	32.319	33.312	0.1	21.7
11 7	2 13.05	+14 36.8	32.335	33.315	0.3	21.7
11 17	2 12.11	+14 33.6	32.382	33.318	0.6	21.8
11 27	2 11.24	+14 30.8	32.457	33.320	0.8	21.8
12 7	2 10.48	+14 28.4	32.559	33.323	1.1	21.8

420537 2012 FR_{81} 10 29.0 350°.13 3°.0/26.7 18

9 28	2 36.70	+ 4 55.7	2.154	3.033	10.8	20.3
10 8	2 30.74	+ 4 34.3	2.092	3.032	7.7	20.1
10 18	2 23.21	+ 4 12.9	2.055	3.032	4.5	19.9
10 28	2 14.81	+ 3 55.3	2.047	3.032	3.0	19.8
11 7	2 6.41	+ 3 45.2	2.068	3.031	5.3	19.9
11 17	1 58.84	+ 3 45.4	2.116	3.031	8.5	20.1
11 27	1 52.82	+ 3 57.7	2.191	3.031	11.5	20.3
12 7	1 48.80	+ 4 22.4	2.287	3.031	14.1	20.5

432658 2011 AN_{9} 10 29.0 331°.28 5°.8/25.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 28	2 38.33	+ 2 53.3	1.245	2.145	15.5	20.6
10 8	2 32.78	+ 1 59.3	1.189	2.138	11.3	20.3
10 18	2 24.62	+ 1 6.5	1.155	2.132	7.2	20.1
10 28	2 14.95	+ 0 23.5	1.146	2.126	5.9	20.0
11 7	2 5.23	− 0 1.8	1.161	2.121	9.0	20.2
11 17	1 56.88	− 0 4.4	1.200	2.116	13.4	20.4
11 27	1 51.03	+ 0 17.4	1.260	2.112	17.5	20.6
12 7	1 48.29	+ 1 2.0	1.337	2.108	21.0	20.9

491796 2012 XD_{26} 10 29.0 337°.05 0°.5/28.8 16

9 28	2 35.35	+13 27.6	1.212	2.108	16.1	21.4
10 8	2 30.97	+13 16.2	1.142	2.092	11.6	21.1
10 18	2 23.81	+12 53.8	1.093	2.076	6.3	20.8
10 28	2 14.89	+12 24.6	1.068	2.062	0.7	20.3
11 7	2 5.68	+11 54.6	1.067	2.048	5.5	20.6
11 17	1 57.71	+11 30.8	1.091	2.036	11.1	20.9
11 27	1 52.29	+11 19.7	1.136	2.026	16.1	21.2
12 7	1 50.14	+11 25.0	1.199	2.017	20.4	21.4

479989 2014 KT_{8} 10 29.0 280°.50 1°.8/30.3 18

9 28	2 38.64	+19 28.6	1.757	2.617	13.8	21.7
10 8	2 32.75	+19 22.2	1.671	2.599	10.2	21.4
10 18	2 24.58	+19 1.9	1.607	2.580	6.1	21.2
10 28	2 14.96	+18 29.1	1.571	2.561	2.1	20.9
11 7	2 5.06	+17 47.7	1.562	2.542	4.1	21.0
11 17	1 56.06	+17 3.5	1.581	2.523	8.6	21.2
11 27	1 49.07	+16 23.3	1.625	2.504	12.8	21.4
12 7	1 44.75	+15 52.8	1.691	2.485	16.4	21.6

396350 2014 DG_{79} 10 29.0 12°.15 1°.6/26.6 18

9 28	2 28.34	+ 6 17.0	4.185	5.058	6.1	21.0
10 8	2 24.33	+ 5 50.8	4.119	5.058	4.3	20.9
10 18	2 19.60	+ 5 23.9	4.081	5.058	2.5	20.7
10 28	2 14.48	+ 4 58.5	4.073	5.058	1.6	20.7
11 7	2 9.35	+ 4 36.6	4.095	5.058	2.9	20.8
11 17	2 4.60	+ 4 19.9	4.148	5.059	4.8	20.9
11 27	2 0.55	+ 4 9.9	4.228	5.059	6.6	21.1
12 7	1 57.49	+ 4 7.6	4.333	5.059	8.1	21.2

275969 2001 WP_{58} 10 29.0 219°.86 0°.6/28.7 18

9 28	2 40.98	+12 36.5	1.638	2.513	13.8	20.4
10 8	2 34.27	+12 30.4	1.571	2.511	9.8	20.1
10 18	2 25.31	+12 16.9	1.529	2.509	5.3	19.9
10 28	2 15.03	+11 59.0	1.513	2.507	0.7	19.5
11 7	2 4.68	+11 41.0	1.526	2.504	4.6	19.8
11 17	1 55.46	+11 27.4	1.566	2.502	9.2	20.1
11 27	1 48.39	+11 22.7	1.631	2.500	13.3	20.3
12 7	1 44.07	+11 29.7	1.717	2.497	16.7	20.6

247236 2001 QY_{250} 10 29.0 87°.07 0°.4/29.4 18

9 28	2 41.35	+15 15.3	1.976	2.836	12.5	20.2
10 8	2 33.99	+15 13.9	1.930	2.861	8.8	20.0
10 18	2 24.91	+15 4.3	1.909	2.886	4.8	19.8
10 28	2 14.98	+14 48.6	1.917	2.910	0.7	19.6
11 7	2 5.25	+14 30.2	1.955	2.934	3.6	19.8
11 17	1 56.65	+14 13.2	2.021	2.958	7.4	20.1
11 27	1 49.94	+14 1.4	2.115	2.981	10.8	20.4
12 7	1 45.54	+13 57.7	2.231	3.003	13.6	20.6

112486 2002 PT_{1} 10 29.0 102°.06 4°.1/ 1.1 18

9 28	2 44.21	+26 2.9	1.636	2.470	15.9	20.0
10 8	2 36.41	+25 59.5	1.587	2.494	12.1	19.8
10 18	2 26.33	+25 35.4	1.560	2.518	8.0	19.6
10 28	2 15.12	+24 51.7	1.560	2.541	4.6	19.5
11 7	2 4.17	+23 53.4	1.588	2.563	5.0	19.6
11 17	1 54.72	+22 48.2	1.644	2.585	8.4	19.8
11 27	1 47.73	+21 44.6	1.725	2.606	12.1	20.1
12 7	1 43.65	+20 49.8	1.829	2.626	15.2	20.3

514804 2007 RD_{298} 10 29.1 21°.55 2°.8/27.3 18

9 28	2 35.22	+ 9 28.7	1.189	2.091	15.9	20.1
10 8	2 30.45	+ 8 44.7	1.148	2.101	11.1	19.9
10 18	2 23.27	+ 7 54.9	1.130	2.113	6.0	19.7
10 28	2 14.84	+ 7 6.6	1.135	2.125	2.9	19.5
11 7	2 6.59	+ 6 27.6	1.165	2.139	6.6	19.8
11 17	1 59.81	+ 6 4.0	1.219	2.154	11.4	20.1
11 27	1 55.50	+ 5 59.2	1.294	2.170	15.6	20.4
12 7	1 54.09	+ 6 13.9	1.389	2.187	19.1	20.7

196985 2003 UY_{79} 10 29.1 327°.15 4°.7/24.1 18

9 28	2 30.66	+ 6 12.1	1.743	2.640	12.0	19.1
10 8	2 26.91	+ 4 10.7	1.667	2.616	8.6	18.9
10 18	2 21.33	+ 2 1.8	1.617	2.593	5.5	18.7
10 28	2 14.66	− 0 5.1	1.594	2.571	5.1	18.6
11 7	2 7.85	− 1 59.5	1.599	2.550	8.0	18.7
11 17	2 1.86	− 3 32.6	1.631	2.529	11.7	18.9
11 27	1 57.54	− 4 38.9	1.686	2.509	15.2	19.1
12 7	1 55.44	− 5 16.8	1.759	2.490	18.2	19.2

40844 1999 TS_{101} 10 29.1 22°.85 7°.4/23.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 28	2 33.23	+ 1 5.5	1.274	2.180	14.8	17.8
10 8	2 28.89	− 0 50.7	1.238	2.188	10.9	17.6
10 18	2 22.37	− 2 43.0	1.226	2.196	7.9	17.5
10 28	2 14.75	− 4 19.1	1.238	2.206	7.8	17.5
11 7	2 7.31	− 5 29.4	1.274	2.216	10.5	17.7
11 17	2 1.19	− 6 8.4	1.333	2.227	14.1	18.0
11 27	1 57.28	− 6 15.4	1.413	2.239	17.5	18.2
12 7	1 56.02	− 5 53.6	1.509	2.252	20.2	18.5

50508 2000 DF_{100} 10 29.1 113°.54 3°.4/ 1.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 38.00	+26 2.6	2.610	3.428	11.1	19.4
10 8	2 31.57	+26 16.2	2.543	3.440	8.6	19.3
10 18	2 23.64	+26 16.7	2.502	3.452	5.9	19.1
10 28	2 14.89	+26 4.3	2.488	3.463	3.7	19.0
11 7	2 6.13	+25 41.0	2.504	3.475	3.9	19.1
11 17	1 58.17	+25 10.3	2.550	3.486	6.1	19.2
11 27	1 51.68	+24 36.7	2.623	3.497	8.7	19.4
12 7	1 47.13	+24 4.9	2.722	3.507	11.0	19.6

275165 2009 WM_{10} 10 29.1 304°.35 6°.0/23.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 34.08	− 3 46.9	2.176	3.055	10.7	19.8
10 8	2 28.95	− 4 43.6	2.112	3.043	8.2	19.6
10 18	2 22.30	− 5 34.5	2.074	3.030	6.4	19.5
10 28	2 14.77	− 6 13.9	2.062	3.018	6.3	19.5
11 7	2 7.19	− 6 37.1	2.079	3.006	8.0	19.5
11 17	2 0.36	− 6 41.0	2.121	2.993	10.6	19.7
11 27	1 54.98	− 6 25.1	2.187	2.982	13.1	19.8
12 7	1 51.52	− 5 50.4	2.272	2.970	15.4	20.0

136270 2003 YP_{89} 10 29.1 70°.34 1°.3/28.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 37.78	+11 28.0	1.764	2.643	12.8	19.6
10 8	2 31.77	+11 1.5	1.707	2.649	9.0	19.4
10 18	2 23.86	+10 28.7	1.674	2.655	4.8	19.1
10 28	2 14.93	+ 9 53.6	1.669	2.661	1.3	18.9
11 7	2 6.04	+ 9 21.4	1.692	2.668	4.6	19.2
11 17	1 58.23	+ 8 56.7	1.742	2.674	8.8	19.4
11 27	1 52.32	+ 8 43.3	1.818	2.681	12.4	19.7
12 7	1 48.81	+ 8 43.3	1.914	2.687	15.5	19.9

193475 2000 XO_{27} 10 29.1 358°.65 5°.6/26.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 43.35	− 0 29.8	1.367	2.254	15.3	18.7
10 8	2 36.16	− 0 24.3	1.311	2.252	11.2	18.4
10 18	2 26.40	− 0 10.7	1.278	2.250	7.3	18.2
10 28	2 15.18	+ 0 16.0	1.270	2.250	5.7	18.1
11 7	2 3.97	+ 0 58.6	1.289	2.250	8.2	18.3
11 17	1 54.15	+ 1 57.6	1.334	2.250	12.3	18.5
11 27	1 46.86	+ 3 11.9	1.401	2.252	16.2	18.8
12 7	1 42.67	+ 4 38.7	1.488	2.254	19.5	19.0

519706 2013 AE_{188} 10 29.1 220°.64 2°.1/27.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 36.10	+ 9 38.6	2.053	2.930	11.3	22.4
10 8	2 30.45	+ 8 48.9	1.984	2.925	8.0	22.2
10 18	2 23.13	+ 7 53.9	1.940	2.920	4.3	22.0
10 28	2 14.87	+ 6 58.5	1.925	2.915	2.1	21.8
11 7	2 6.57	+ 6 7.9	1.940	2.910	4.9	22.0
11 17	1 59.12	+ 5 27.2	1.982	2.904	8.6	22.2
11 27	1 53.28	+ 5 0.2	2.050	2.898	11.9	22.4
12 7	1 49.53	+ 4 48.7	2.140	2.891	14.7	22.6

327519 2006 BN_{79} 10 29.1 129°.01 4°.8/24.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 34.06	− 0 56.2	2.407	3.286	9.8	20.8
10 8	2 28.72	− 1 52.9	2.356	3.291	7.3	20.7
10 18	2 22.08	− 2 45.8	2.332	3.295	5.2	20.6
10 28	2 14.76	− 3 29.9	2.335	3.300	4.9	20.6
11 7	2 7.49	− 4 1.1	2.368	3.304	6.7	20.7
11 17	2 0.97	− 4 16.6	2.427	3.308	9.1	20.8
11 27	1 55.78	− 4 15.4	2.512	3.312	11.5	21.0
12 7	1 52.32	− 3 58.0	2.617	3.316	13.5	21.2

443840 2000 WT_{110} 10 29.1 348°.05 2°.8/27.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 38.67	+ 5 40.2	1.280	2.177	15.4	20.0
10 8	2 33.20	+ 6 6.8	1.212	2.162	11.0	19.7
10 18	2 24.99	+ 6 35.9	1.167	2.148	6.2	19.4
10 28	2 15.06	+ 7 10.6	1.146	2.136	2.8	19.1
11 7	2 4.86	+ 7 53.3	1.150	2.126	6.3	19.3
11 17	1 55.86	+ 8 45.6	1.179	2.117	11.4	19.6
11 27	1 49.37	+ 9 48.2	1.231	2.110	16.0	19.8
12 7	1 46.09	+11 0.9	1.302	2.105	19.8	20.1

374688 2006 QP_{121} 10 29.1 41°.41 4°.4/26.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 39.84	+ 6 14.1	1.044	1.949	17.4	19.7
10 8	2 33.82	+ 5 29.9	1.013	1.966	12.2	19.4
10 18	2 25.09	+ 4 44.6	1.002	1.983	7.0	19.2
10 28	2 15.06	+ 4 6.7	1.015	2.002	4.5	19.1
11 7	2 5.40	+ 3 43.5	1.051	2.021	8.0	19.4
11 17	1 57.56	+ 3 39.9	1.111	2.041	12.8	19.7
11 27	1 52.57	+ 3 57.3	1.192	2.061	17.1	20.1
12 7	1 50.84	+ 4 34.3	1.290	2.082	20.6	20.4

128265 2003 SF_{304} 10 29.1 106°.88 0°.2/29.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 28	2 37.57	+14 39.4	2.381	3.242	10.6	19.4
10 8	2 31.28	+14 38.2	2.319	3.250	7.5	19.2
10 18	2 23.50	+14 30.5	2.282	3.259	4.1	19.0
10 28	2 14.92	+14 18.0	2.274	3.267	0.5	18.8
11 7	2 6.35	+14 3.7	2.296	3.276	3.2	19.0
11 17	1 58.59	+13 50.5	2.348	3.284	6.6	19.2
11 27	1 52.31	+13 41.8	2.427	3.292	9.7	19.4
12 7	1 47.96	+13 40.1	2.530	3.300	12.2	19.6

363963 2005 UP_{91} 10 29.1 179°.98 1°.7/30.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 38.71	+19 2.7	2.192	3.043	11.8	20.7
10 8	2 32.31	+19 10.9	2.120	3.043	8.6	20.5
10 18	2 24.16	+19 9.0	2.073	3.043	5.1	20.3
10 28	2 15.00	+18 57.9	2.053	3.043	2.0	20.1
11 7	2 5.76	+18 40.1	2.064	3.043	3.4	20.2
11 17	1 57.37	+18 19.5	2.103	3.043	7.0	20.4
11 27	1 50.63	+18 0.4	2.170	3.043	10.3	20.7
12 7	1 46.06	+17 46.9	2.260	3.042	13.1	20.9

481881 2008 YH_{159} 10 29.1 33°.69 19°.5/26.1 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 55.39	+64 21.0	1.595	2.172	25.4	20.5
10 8	2 48.12	+66 22.1	1.551	2.187	24.2	20.4
10 18	2 34.34	+67 40.5	1.516	2.202	22.8	20.3
10 28	2 16.03	+68 5.0	1.493	2.218	21.5	20.2
11 7	1 57.18	+67 30.4	1.483	2.235	20.4	20.2
11 17	1 42.03	+66 0.8	1.488	2.252	19.7	20.2
11 27	1 33.23	+63 48.9	1.509	2.271	19.5	20.3
12 7	1 31.18	+61 11.2	1.547	2.290	19.8	20.3

344636 2003 PG_{7} 10 29.1 44°.71 0°.0/29.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 37.48	+16 34.7	1.309	2.193	16.0	20.0
10 8	2 31.87	+15 50.4	1.270	2.213	11.3	19.7
10 18	2 23.97	+14 52.2	1.253	2.234	6.1	19.5
10 28	2 14.97	+13 46.2	1.262	2.255	0.6	19.2
11 7	2 6.26	+12 40.4	1.296	2.277	4.8	19.6
11 17	1 59.05	+11 42.9	1.357	2.299	9.7	19.9
11 27	1 54.26	+11 0.2	1.441	2.322	13.9	20.2
12 7	1 52.30	+10 35.4	1.544	2.345	17.3	20.5

160007 2007 HY_{60} 10 29.1 115°.51 2°.6/26.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 34.99	+ 6 4.4	2.516	3.391	9.6	20.3
10 8	2 29.32	+ 5 25.7	2.464	3.403	6.7	20.1
10 18	2 22.39	+ 4 46.1	2.438	3.415	3.9	20.0
10 28	2 14.83	+ 4 9.5	2.442	3.427	2.6	19.9
11 7	2 7.34	+ 3 39.5	2.476	3.438	4.6	20.1
11 17	2 0.59	+ 3 19.0	2.538	3.449	7.4	20.2
11 27	1 55.17	+ 3 10.2	2.627	3.460	10.1	20.4
12 7	1 51.45	+ 3 13.7	2.739	3.471	12.3	20.6

357715 2005 QO_{62} 10 29.1 66°.43 1°.3/30.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 38.35	+18 16.8	1.842	2.703	13.2	21.0
10 8	2 32.12	+18 8.0	1.789	2.719	9.5	20.8
10 18	2 24.04	+17 47.6	1.760	2.735	5.4	20.6
10 28	2 15.01	+17 17.9	1.759	2.751	1.6	20.3
11 7	2 6.08	+16 43.3	1.786	2.767	3.7	20.5
11 17	1 58.26	+16 8.7	1.841	2.783	7.6	20.8
11 27	1 52.35	+15 39.4	1.923	2.799	11.2	21.0
12 7	1 48.82	+15 19.3	2.026	2.815	14.2	21.3

166458 2002 PA_{82} 10 29.1 12°.84 8°.6/22.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 33.45	− 3 10.1	1.353	2.254	14.4	18.6
10 8	2 29.03	− 4 55.5	1.316	2.257	11.1	18.5
10 18	2 22.49	− 6 32.2	1.301	2.261	8.9	18.3
10 28	2 14.86	− 7 49.3	1.310	2.266	9.0	18.4
11 7	2 7.34	− 8 38.3	1.343	2.272	11.4	18.5
11 17	2 1.06	− 8 55.6	1.399	2.278	14.6	18.7
11 27	1 56.92	− 8 41.3	1.475	2.286	17.6	19.0
12 7	1 55.36	− 7 59.7	1.568	2.294	20.2	19.2

265994 2006 DN_{100} 10 29.1 213°.57 1°.3/30.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 35.82	+19 8.3	2.537	3.386	10.4	20.9
10 8	2 30.10	+18 57.1	2.459	3.382	7.6	20.7
10 18	2 22.92	+18 36.2	2.407	3.378	4.5	20.5
10 28	2 14.91	+18 7.3	2.383	3.374	1.5	20.3
11 7	2 6.83	+17 33.2	2.389	3.369	3.0	20.4
11 17	1 59.45	+16 57.9	2.425	3.364	6.2	20.6
11 27	1 53.44	+16 25.5	2.489	3.359	9.2	20.8
12 7	1 49.25	+15 59.6	2.576	3.354	11.8	21.0

377279 2004 EQ_{16} 10 29.1 187°.53 1°.6/28.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 40.92	+10 43.2	1.739	2.614	13.1	21.3
10 8	2 34.11	+10 17.5	1.674	2.614	9.3	21.0
10 18	2 25.21	+ 9 45.8	1.633	2.613	5.0	20.8
10 28	2 15.14	+ 9 12.2	1.620	2.612	1.6	20.5
11 7	2 5.03	+ 8 41.6	1.636	2.611	5.0	20.8
11 17	1 56.01	+ 8 19.0	1.679	2.609	9.3	21.0
11 27	1 49.01	+ 8 8.4	1.748	2.606	13.1	21.3
12 7	1 44.59	+ 8 11.7	1.838	2.603	16.3	21.5

291106 2005 YL_{165} 10 29.1 42°.33 0°.2/29.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 28	2 37.03	+15 17.5	1.758	2.631	13.1	20.7
10 8	2 31.25	+15 4.0	1.706	2.643	9.3	20.5
10 18	2 23.60	+14 41.1	1.677	2.656	5.1	20.3
10 28	2 14.97	+14 11.9	1.676	2.669	0.6	20.0
11 7	2 6.43	+13 41.0	1.703	2.683	3.9	20.3
11 17	1 58.99	+13 13.3	1.757	2.697	8.1	20.5
11 27	1 53.46	+12 53.3	1.836	2.711	11.7	20.8
12 7	1 50.31	+12 44.1	1.937	2.725	14.8	21.0

211367 2002 TG_{241} 10 29.1 317°.96 1°.8/27.6 18

9 28	2 35.68	+11 9.2	1.744	2.627	12.7	20.3
10 8	2 30.41	+10 20.5	1.678	2.622	8.9	20.0
10 18	2 23.22	+ 9 24.5	1.637	2.618	4.8	19.8
10 28	2 14.95	+ 8 26.3	1.623	2.614	1.8	19.6
11 7	2 6.64	+ 7 32.4	1.637	2.610	5.1	19.8
11 17	1 59.31	+ 6 48.5	1.677	2.607	9.3	20.0
11 27	1 53.83	+ 6 19.5	1.743	2.603	13.0	20.2
12 7	1 50.72	+ 6 7.4	1.829	2.600	16.2	20.5

279512 2011 AK_{74} 10 29.1 309°.43 7°.3/21.8 18

9 28	2 33.67	− 7 14.3	2.143	3.019	11.0	20.0
10 8	2 28.66	− 8 31.4	2.092	3.014	8.8	19.9
10 18	2 22.16	− 9 39.9	2.066	3.008	7.4	19.8
10 28	2 14.85	−10 33.2	2.067	3.003	7.6	19.8
11 7	2 7.54	−11 6.1	2.094	2.998	9.3	19.9
11 17	2 1.02	−11 16.2	2.146	2.993	11.6	20.0
11 27	1 55.97	−11 3.0	2.220	2.988	13.8	20.2
12 7	1 52.83	−10 28.9	2.313	2.983	15.8	20.4

456104 2006 BN_{230} 10 29.1 276°.49 5°.0/24.6 18

9 28	2 34.88	− 0 41.8	2.195	3.076	10.5	21.0
10 8	2 29.47	− 1 33.6	2.137	3.073	7.8	20.8
10 18	2 22.59	− 2 21.7	2.105	3.070	5.6	20.7
10 28	2 14.89	− 3 0.7	2.100	3.067	5.2	20.7
11 7	2 7.20	− 3 26.2	2.124	3.064	7.0	20.8
11 17	2 0.29	− 3 35.3	2.174	3.061	9.7	21.0
11 27	1 54.85	− 3 26.7	2.249	3.058	12.4	21.1
12 7	1 51.31	− 3 1.2	2.345	3.055	14.6	21.3

344632 2003 OW_6 10 29.1 59°.00 0°.4/29.4 18

9 28	2 37.22	+18 21.1	1.475	2.349	15.1	19.8
10 8	2 31.56	+17 23.2	1.429	2.367	10.8	19.6
10 18	2 23.80	+16 10.1	1.407	2.385	5.9	19.4
10 28	2 15.00	+14 47.5	1.410	2.404	0.9	19.1
11 7	2 6.44	+13 23.8	1.441	2.422	4.4	19.4
11 17	1 59.24	+12 7.6	1.499	2.441	9.0	19.7
11 27	1 54.26	+11 5.9	1.582	2.460	13.1	20.0
12 7	1 51.93	+10 22.8	1.685	2.479	16.4	20.3

291800 2006 KR_{71} 10 29.1 236°.84 4°.5/26.1 18

9 28	2 40.08	+ 5 34.8	1.445	2.334	14.4	21.0
10 8	2 33.85	+ 4 32.1	1.381	2.327	10.3	20.7
10 18	2 25.21	+ 3 26.4	1.341	2.319	6.2	20.4
10 28	2 15.17	+ 2 25.3	1.327	2.311	4.6	20.3
11 7	2 5.03	+ 1 37.0	1.340	2.302	7.7	20.5
11 17	1 56.11	+ 1 7.8	1.378	2.294	12.1	20.7
11 27	1 49.48	+ 1 1.0	1.439	2.284	16.2	21.0
12 7	1 45.75	+ 1 16.6	1.519	2.275	19.6	21.2

126633 2002 CE_{165} 10 29.1 200°.78 4°.4/24.9 18

9 28	2 35.41	+ 0 41.1	2.363	3.241	10.0	20.1
10 8	2 29.77	− 0 9.4	2.303	3.239	7.3	19.9
10 18	2 22.72	− 0 57.5	2.269	3.236	5.0	19.8
10 28	2 14.92	− 1 38.3	2.263	3.234	4.5	19.7
11 7	2 7.11	− 2 7.6	2.286	3.230	6.3	19.8
11 17	2 0.04	− 2 22.3	2.337	3.227	9.0	20.0
11 27	1 54.36	− 2 21.0	2.413	3.223	11.6	20.2
12 7	1 50.49	− 2 4.0	2.510	3.220	13.8	20.3

322684 1999 VP_{84} 10 29.1 54°.10 0°.3/28.9 17

9 28	2 43.10	+14 16.3	1.117	2.005	17.8	20.0
10 8	2 35.99	+13 59.1	1.087	2.032	12.5	19.8
10 18	2 26.22	+13 30.3	1.079	2.060	6.7	19.5
10 28	2 15.25	+12 55.0	1.095	2.088	0.6	19.2
11 7	2 4.77	+12 20.2	1.136	2.116	5.3	19.6
11 17	1 56.21	+11 52.8	1.202	2.145	10.6	20.0
11 27	1 50.58	+11 38.3	1.291	2.174	15.1	20.4
12 7	1 48.21	+11 39.0	1.399	2.202	18.7	20.7

399312 1995 UA_{58} 10 29.1 60°.01 0°.4/29.4 18

9 28	2 36.21	+16 20.0	1.959	2.826	12.3	21.8
10 8	2 30.61	+15 55.2	1.896	2.830	8.8	21.6
10 18	2 23.27	+15 20.3	1.858	2.835	4.8	21.4
10 28	2 14.98	+14 38.5	1.847	2.840	0.7	21.1
11 7	2 6.70	+13 54.5	1.865	2.845	3.6	21.4
11 17	1 59.37	+13 13.2	1.911	2.850	7.6	21.6
11 27	1 53.77	+12 39.8	1.984	2.855	11.1	21.9
12 7	1 50.37	+12 17.5	2.078	2.861	14.1	22.1

452209 2015 RZ_{200} 10 29.1 88°.67 0°.1/29.2 15

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 28	2 37.78	+15 17.6	1.976	2.843	12.2	21.8
10 8	2 31.61	+14 55.5	1.922	2.857	8.6	21.6
10 18	2 23.75	+14 24.6	1.893	2.871	4.7	21.4
10 28	2 15.02	+13 48.1	1.892	2.885	0.5	21.1
11 7	2 6.39	+13 10.4	1.920	2.899	3.7	21.4
11 17	1 58.76	+12 36.2	1.976	2.913	7.6	21.6
11 27	1 52.90	+12 9.9	2.058	2.926	11.0	21.9
12 7	1 49.23	+11 54.4	2.164	2.940	13.8	22.1

260403 2004 XG_7 10 29.1 327°.28 8°.4/23.3 18

9 28	2 38.07	− 9 35.5	1.845	2.716	12.7	19.5
10 8	2 32.03	−10 11.8	1.785	2.702	10.3	19.3
10 18	2 24.09	−10 35.2	1.748	2.689	8.7	19.2
10 28	2 15.07	−10 39.3	1.737	2.676	8.6	19.1
11 7	2 6.00	−10 20.0	1.752	2.664	10.3	19.2
11 17	1 57.89	− 9 36.2	1.791	2.652	12.8	19.3
11 27	1 51.60	− 8 29.4	1.853	2.641	15.4	19.5
12 7	1 47.65	− 7 3.4	1.934	2.630	17.8	19.7

516723 2009 BZ_{142} 10 29.1 256°.19 2°.6/27.1 18

9 28	2 37.50	+ 8 5.4	1.969	2.848	11.7	21.7
10 8	2 31.62	+ 7 24.3	1.892	2.833	8.3	21.4
10 18	2 23.89	+ 6 39.0	1.839	2.819	4.6	21.2
10 28	2 15.06	+ 5 54.3	1.815	2.804	2.6	21.0
11 7	2 6.08	+ 5 15.3	1.820	2.788	5.4	21.2
11 17	1 57.93	+ 4 46.8	1.852	2.772	9.2	21.4
11 27	1 51.46	+ 4 32.5	1.910	2.756	12.7	21.6
12 7	1 47.23	+ 4 34.0	1.989	2.740	15.7	21.7

6060 Doudleby 10 29.1 82°.23 5°.0/25.0 18 R

9 28	2 36.50	+ 3 2.6	1.684	2.573	12.7	16.8
10 8	2 30.85	+ 1 45.0	1.640	2.583	9.2	16.6
10 18	2 23.38	+ 0 28.5	1.620	2.593	6.0	16.5
10 28	2 14.99	− 0 39.2	1.627	2.603	5.2	16.5
11 7	2 6.74	− 1 31.2	1.662	2.613	7.7	16.6
11 17	1 59.59	− 2 3.0	1.723	2.623	11.0	16.9
11 27	1 54.34	− 2 12.7	1.807	2.633	14.2	17.1
12 7	1 51.42	− 2 1.3	1.910	2.642	16.9	17.3

516295 2016 WY_{51} 10 29.1 7°.44 3°.8/26.7 18

9 28	2 35.24	+ 7 18.6	1.226	2.129	15.4	19.8
10 8	2 30.58	+ 6 29.0	1.177	2.130	10.9	19.6
10 18	2 23.47	+ 5 35.7	1.150	2.131	6.2	19.3
10 28	2 15.01	+ 4 46.5	1.147	2.134	3.9	19.2
11 7	2 6.60	+ 4 9.1	1.168	2.138	7.3	19.4
11 17	1 59.56	+ 3 49.6	1.214	2.143	12.0	19.7
11 27	1 54.93	+ 3 51.2	1.281	2.149	16.2	20.0
12 7	1 53.23	+ 4 13.7	1.366	2.156	19.7	20.2

513435 2008 UK_{299} 10 29.1 140°.51 1°.5/30.2 18

9 28	2 40.66	+18 37.9	1.885	2.740	13.2	21.2
10 8	2 33.85	+18 34.0	1.821	2.748	9.6	21.0
10 18	2 25.06	+18 18.2	1.781	2.754	5.6	20.8
10 28	2 15.17	+17 52.3	1.770	2.761	1.8	20.6
11 7	2 5.29	+17 20.1	1.787	2.767	3.8	20.7
11 17	1 56.48	+16 46.7	1.832	2.772	7.8	21.0
11 27	1 49.62	+16 17.4	1.904	2.778	11.4	21.2
12 7	1 45.24	+15 56.7	1.999	2.783	14.5	21.4

163191 2002 EQ_9 10 29.1 156°.28 5°.3/24.8 17

9 28	2 46.43	+ 3 37.4	1.739	2.610	13.3	23.5
10 8	2 37.73	+ 1 46.7	1.692	2.626	9.6	23.3
10 18	2 27.03	− 0 4.5	1.671	2.641	6.3	23.1
10 28	2 15.36	− 1 46.6	1.681	2.653	5.5	23.1
11 7	2 3.93	− 3 11.0	1.721	2.664	8.2	23.3
11 17	1 53.85	− 4 11.8	1.789	2.672	11.7	23.5
11 27	1 45.96	− 4 46.7	1.881	2.679	14.9	23.7
12 7	1 40.72	− 4 56.8	1.993	2.683	17.5	24.0

13769 1998 SV_{144} 10 29.1 136°.29 0°.2/29.3 18

9 28	2 38.78	+15 30.1	2.025	2.889	12.1	18.8
10 8	2 32.37	+15 11.9	1.963	2.896	8.6	18.6
10 18	2 24.20	+14 44.9	1.926	2.904	4.7	18.3
10 28	2 15.10	+14 11.7	1.918	2.911	0.6	18.0
11 7	2 6.02	+13 36.5	1.938	2.918	3.6	18.3
11 17	1 57.92	+13 3.9	1.988	2.924	7.5	18.6
11 27	1 51.56	+12 38.4	2.064	2.930	11.0	18.8
12 7	1 47.43	+12 23.1	2.162	2.936	13.9	19.0

19200 1992 GU_2 10 29.1 273°.80 0°.6/29.5 18

9 28	2 38.25	+15 29.1	2.126	2.988	11.6	18.2
10 8	2 32.07	+15 32.1	2.051	2.983	8.4	18.0
10 18	2 24.11	+15 27.3	2.001	2.978	4.7	17.8
10 28	2 15.11	+15 16.3	1.980	2.972	0.8	17.5
11 7	2 5.99	+15 2.1	1.987	2.967	3.5	17.7
11 17	1 57.69	+14 48.1	2.024	2.962	7.3	17.9
11 27	1 51.03	+14 38.4	2.087	2.957	10.8	18.1
12 7	1 46.55	+14 36.1	2.173	2.951	13.7	18.3

356838 2011 VZ_7 10 29.1 13°.42 4°.0/26.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 28	2 35.74	+ 5 40.9	1.531	2.425	13.5	20.1
10 8	2 30.56	+ 4 50.7	1.479	2.427	9.6	19.9
10 18	2 23.34	+ 3 59.1	1.451	2.430	5.7	19.7
10 28	2 15.03	+ 3 12.6	1.449	2.433	4.1	19.6
11 7	2 6.76	+ 2 37.8	1.473	2.437	6.9	19.8
11 17	1 59.63	+ 2 19.4	1.522	2.442	10.8	20.0
11 27	1 54.53	+ 2 20.0	1.595	2.447	14.5	20.3
12 7	1 51.96	+ 2 39.4	1.687	2.453	17.5	20.5

17515 1992 UT_1 10 29.1 81°.29 2°.2/27.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 40.05	+ 9 20.5	1.587	2.469	13.8	17.5
10 8	2 33.44	+ 8 46.9	1.542	2.486	9.6	17.3
10 18	2 24.80	+ 8 9.0	1.521	2.502	5.2	17.0
10 28	2 15.17	+ 7 31.7	1.527	2.518	2.3	16.9
11 7	2 5.72	+ 7 0.7	1.561	2.534	5.5	17.1
11 17	1 57.55	+ 6 40.6	1.622	2.550	9.6	17.4
11 27	1 51.52	+ 6 34.6	1.707	2.566	13.4	17.7
12 7	1 48.08	+ 6 43.7	1.813	2.581	16.4	17.9

365567 2010 TL_{68} 10 29.1 343°.23 2°.5/30.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 36.81	+21 6.1	1.740	2.598	14.0	21.6
10 8	2 31.40	+21 6.5	1.668	2.594	10.4	21.3
10 18	2 23.87	+20 52.3	1.619	2.589	6.4	21.1
10 28	2 15.09	+20 24.6	1.597	2.585	2.8	20.9
11 7	2 6.19	+19 47.4	1.601	2.582	4.1	21.0
11 17	1 58.30	+19 6.1	1.633	2.578	8.1	21.2
11 27	1 52.39	+18 27.4	1.691	2.576	12.0	21.4
12 7	1 49.05	+17 56.8	1.770	2.573	15.3	21.6

14430 1992 CH 10 29.1 292°.17 7°.8/ 4.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 40.19	+34 43.2	1.790	2.585	16.3	17.4
10 8	2 34.18	+35 18.1	1.705	2.573	13.6	17.2
10 18	2 25.56	+35 28.9	1.641	2.561	10.7	17.0
10 28	2 15.27	+35 12.1	1.601	2.549	8.4	16.8
11 7	2 4.66	+34 28.5	1.587	2.538	8.0	16.8
11 17	1 55.13	+33 23.2	1.598	2.526	9.7	16.9
11 27	1 47.93	+32 5.5	1.634	2.515	12.6	17.0
12 7	1 43.78	+30 45.7	1.693	2.503	15.6	17.2

79528 1998 QG 10 29.1 86°.60 2°.7/30.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 41.78	+21 24.8	1.468	2.327	16.0	19.6
10 8	2 35.02	+21 21.9	1.414	2.340	11.9	19.4
10 18	2 25.81	+21 1.5	1.382	2.353	7.2	19.2
10 28	2 15.28	+20 25.5	1.376	2.365	3.1	19.0
11 7	2 4.86	+19 38.9	1.397	2.378	4.6	19.1
11 17	1 55.87	+18 49.0	1.445	2.390	9.0	19.4
11 27	1 49.38	+18 3.7	1.518	2.402	13.1	19.7
12 7	1 45.88	+17 29.2	1.611	2.414	16.6	19.9

485336 2011 BG_{121} 10 29.1 253°.31 6°.6/21.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 33.48	− 7 27.4	2.541	3.411	9.7	21.5
10 8	2 28.42	− 8 45.2	2.481	3.398	7.8	21.4
10 18	2 22.04	− 9 56.1	2.446	3.385	6.7	21.3
10 28	2 14.91	−10 54.1	2.440	3.372	6.9	21.3
11 7	2 7.74	−11 34.6	2.461	3.358	8.4	21.4
11 17	2 1.20	−11 54.9	2.508	3.344	10.4	21.5
11 27	1 55.91	−11 54.1	2.578	3.330	12.5	21.6
12 7	1 52.29	−11 33.7	2.667	3.316	14.3	21.7

82255 2001 KX_7 10 29.1 69°.17 2°.6/27.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 41.17	+ 9 30.7	1.339	2.227	15.4	19.4
10 8	2 34.41	+ 8 49.5	1.302	2.248	10.8	19.2
10 18	2 25.37	+ 8 3.2	1.288	2.269	5.8	19.0
10 28	2 15.25	+ 7 18.3	1.300	2.291	2.6	18.8
11 7	2 5.44	+ 6 41.4	1.339	2.312	6.1	19.1
11 17	1 57.19	+ 6 17.9	1.403	2.333	10.7	19.4
11 27	1 51.40	+ 6 11.3	1.490	2.354	14.7	19.7
12 7	1 48.49	+ 6 22.0	1.598	2.375	17.9	20.0

481415 2006 TW_{98} 10 29.1 271°.44 0°.3/29.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 41.56	+14 0.4	2.112	2.972	11.8	21.4
10 8	2 34.60	+14 14.3	2.020	2.951	8.5	21.2
10 18	2 25.61	+14 22.0	1.953	2.930	4.7	20.9
10 28	2 15.31	+14 24.8	1.915	2.908	0.6	20.5
11 7	2 4.68	+14 24.7	1.907	2.886	3.7	20.8
11 17	1 54.78	+14 24.8	1.928	2.864	7.8	21.0
11 27	1 46.55	+14 28.7	1.977	2.841	11.5	21.2
12 7	1 40.65	+14 39.4	2.048	2.818	14.7	21.3

53471 2000 AU_{30} 10 29.1 22°.87 2°.5/27.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 38.74	+ 8 5.6	1.648	2.532	13.3	18.9
10 8	2 32.64	+ 7 43.6	1.590	2.534	9.4	18.6
10 18	2 24.48	+ 7 18.5	1.555	2.536	5.2	18.4
10 28	2 15.19	+ 6 54.8	1.548	2.538	2.5	18.2
11 7	2 5.90	+ 6 37.3	1.568	2.540	5.5	18.4
11 17	1 57.72	+ 6 30.0	1.615	2.543	9.7	18.7
11 27	1 51.56	+ 6 36.0	1.686	2.545	13.5	18.9
12 7	1 47.95	+ 6 56.1	1.778	2.548	16.6	19.2

316171 2009 WV_{197} 10 29.1 54°.36 5°.4/24.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 28	2 35.46	− 1 32.3	2.042	2.924	11.2	19.9
10 8	2 29.87	− 2 22.0	2.002	2.937	8.3	19.7
10 18	2 22.81	− 3 6.1	1.987	2.951	6.0	19.6
10 28	2 15.01	− 3 39.3	2.000	2.965	5.6	19.6
11 7	2 7.35	− 3 57.3	2.041	2.980	7.4	19.8
11 17	2 0.62	− 3 58.1	2.108	2.994	10.0	19.9
11 27	1 55.47	− 3 41.0	2.198	3.008	12.6	20.1
12 7	1 52.29	− 3 7.6	2.310	3.023	14.8	20.3

151397 2002 EF_{89} 10 29.1 184°.87 3°.9/ 1.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 37.60	+27 10.1	2.331	3.150	12.2	20.1
10 8	2 31.59	+27 15.0	2.254	3.150	9.5	19.9
10 18	2 23.86	+27 4.4	2.201	3.150	6.6	19.7
10 28	2 15.13	+26 38.3	2.175	3.150	4.3	19.6
11 7	2 6.34	+25 59.4	2.178	3.149	4.3	19.6
11 17	1 58.37	+25 11.8	2.210	3.149	6.8	19.7
11 27	1 52.02	+24 21.6	2.270	3.148	9.6	19.9
12 7	1 47.81	+23 34.3	2.353	3.147	12.3	20.1

21901 1999 VZ_{11} 10 29.1 78°.36 6°.1/ 3.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 41.44	+31 9.0	1.711	2.524	16.2	17.5
10 8	2 34.71	+31 24.5	1.654	2.541	12.9	17.3
10 18	2 25.64	+31 16.5	1.619	2.557	9.5	17.1
10 28	2 15.31	+30 44.2	1.609	2.573	6.7	17.0
11 7	2 5.09	+29 51.0	1.625	2.590	6.4	17.0
11 17	1 56.22	+28 43.9	1.669	2.606	8.7	17.2
11 27	1 49.72	+27 32.0	1.738	2.622	11.8	17.4
12 7	1 46.09	+26 24.2	1.829	2.637	14.7	17.6

390785 2003 WC_{183} 10 29.1 78°.11 6°.2/25.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 40.82	− 2 36.1	1.725	2.604	13.0	20.2
10 8	2 33.90	− 3 6.2	1.678	2.612	9.8	20.0
10 18	2 25.07	− 3 28.6	1.656	2.619	7.0	19.9
10 28	2 15.27	− 3 37.7	1.660	2.627	6.3	19.9
11 7	2 5.59	− 3 29.7	1.692	2.635	8.3	20.0
11 17	1 57.08	− 3 3.1	1.750	2.643	11.3	20.2
11 27	1 50.58	− 2 18.3	1.832	2.651	14.3	20.4
12 7	1 46.54	− 1 17.8	1.934	2.659	16.9	20.7

203175 2000 YH_{110} 10 29.1 254°.27 4°.8/25.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 38.83	+ 1 55.6	1.818	2.700	12.3	20.0
10 8	2 32.64	+ 1 13.2	1.751	2.691	9.0	19.8
10 18	2 24.50	+ 0 32.6	1.709	2.681	5.9	19.6
10 28	2 15.23	− 0 0.3	1.694	2.671	4.9	19.5
11 7	2 5.87	− 0 20.3	1.707	2.661	7.2	19.6
11 17	1 57.46	− 0 23.7	1.747	2.651	10.7	19.8
11 27	1 50.89	− 0 8.8	1.811	2.640	14.0	20.0
12 7	1 46.69	+ 0 23.8	1.895	2.630	16.9	20.2

326351 2000 SX_{245} 10 29.1 359°.95 1°.3/28.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 38.94	+11 3.7	0.962	1.868	18.4	19.5
10 8	2 33.90	+11 9.2	0.911	1.864	13.1	19.2
10 18	2 25.60	+11 7.3	0.879	1.862	7.1	18.9
10 28	2 15.35	+11 2.0	0.869	1.862	1.3	18.5
11 7	2 5.00	+10 59.2	0.881	1.862	6.3	18.9
11 17	1 56.36	+11 4.4	0.917	1.864	12.4	19.2
11 27	1 50.86	+11 22.4	0.972	1.868	17.7	19.5
12 7	1 49.13	+11 55.4	1.045	1.872	22.0	19.8

171627 2000 CS_{135} 10 29.1 315°.60 3°.4/26.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 36.19	+ 6 55.3	1.699	2.587	12.7	20.1
10 8	2 30.84	+ 6 2.1	1.637	2.582	9.0	19.8
10 18	2 23.54	+ 5 5.5	1.598	2.577	5.2	19.6
10 28	2 15.13	+ 4 11.7	1.587	2.573	3.5	19.5
11 7	2 6.68	+ 3 27.0	1.603	2.568	6.3	19.7
11 17	1 59.24	+ 2 56.9	1.645	2.564	10.2	19.9
11 27	1 53.66	+ 2 44.5	1.711	2.560	13.8	20.1
12 7	1 50.50	+ 2 50.8	1.798	2.556	16.9	20.3

257511 1996 XY_{35} 10 29.1 81°.32 3°.2/26.9 15

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 39.31	+ 9 42.1	1.344	2.234	15.2	20.6
10 8	2 33.16	+ 8 26.4	1.302	2.250	10.6	20.4
10 18	2 24.76	+ 7 4.3	1.284	2.265	5.8	20.2
10 28	2 15.24	+ 5 44.4	1.292	2.281	3.3	20.1
11 7	2 5.97	+ 4 35.7	1.326	2.296	6.7	20.3
11 17	1 58.17	+ 3 45.1	1.387	2.311	11.2	20.6
11 27	1 52.75	+ 3 16.8	1.470	2.326	15.2	20.9
12 7	1 50.15	+ 3 11.0	1.572	2.341	18.5	21.2

118245 1997 SF_{10} 10 29.1 354°.02 1°.7/28.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 36.41	+10 59.9	1.108	2.011	16.8	17.8
10 8	2 31.81	+10 45.9	1.052	2.004	11.9	17.5
10 18	2 24.37	+10 24.1	1.015	1.999	6.4	17.2
10 28	2 15.23	+ 9 59.5	1.002	1.995	1.7	16.9
11 7	2 5.96	+ 9 38.8	1.013	1.993	6.1	17.2
11 17	1 58.15	+ 9 28.4	1.048	1.991	11.7	17.5
11 27	1 53.04	+ 9 33.1	1.103	1.992	16.6	17.8
12 7	1 51.29	+ 9 54.9	1.176	1.993	20.7	18.1

2020	α_{2000}	δ_{2000}	Δ	r	β	V
75372 1999 XX_{83}		10 29.1 236°.17	0°.8/29.8 18			
	h m	° ′			°	m
9 28	2 39.36	+18 12.7	1.683	2.547	14.1	19.3
10 8	2 33.28	+17 39.6	1.606	2.538	10.2	19.0
10 18	2 24.95	+16 51.8	1.553	2.529	5.8	18.7
10 28	2 15.29	+15 52.5	1.527	2.520	1.2	18.4
11 7	2 5.48	+14 47.7	1.529	2.510	4.2	18.6
11 17	1 56.73	+13 44.6	1.559	2.499	8.9	18.9
11 27	1 50.06	+12 50.6	1.614	2.488	13.1	19.1
12 7	1 46.09	+12 10.9	1.690	2.477	16.6	19.3
159845 2003 WB_{49}		10 29.1 115°.45	0°.5/29.8 18			
9 28	2 34.36	+18 36.0	2.631	3.483	10.0	20.4
10 8	2 28.94	+17 45.9	2.571	3.497	7.2	20.2
10 18	2 22.28	+16 46.0	2.537	3.511	4.0	20.0
10 28	2 15.01	+15 39.7	2.532	3.525	0.8	19.8
11 7	2 7.82	+14 31.3	2.558	3.538	2.8	20.0
11 17	2 1.38	+13 25.7	2.614	3.551	6.0	20.2
11 27	1 56.26	+12 27.2	2.699	3.564	8.8	20.4
12 7	1 52.80	+11 39.3	2.808	3.576	11.2	20.6
75014 1999 UO_{4}		10 29.1 326°.15	3°.2/30.9 18			
9 28	2 38.15	+21 17.5	1.214	2.090	17.6	18.9
10 8	2 33.19	+21 23.3	1.143	2.077	13.2	18.6
10 18	2 25.23	+21 9.2	1.092	2.065	8.2	18.3
10 28	2 15.34	+20 36.0	1.064	2.053	3.7	18.0
11 7	2 5.13	+19 48.5	1.061	2.043	5.3	18.1
11 17	1 56.25	+18 55.1	1.082	2.032	10.5	18.4
11 27	1 50.14	+18 5.8	1.125	2.023	15.6	18.6
12 7	1 47.55	+17 28.7	1.188	2.015	19.9	18.9
373895 2003 SM_{335}		10 29.1 98°.21	2°.5/27.7 13 C			
9 28	2 43.50	+ 8 46.7	1.407	2.290	15.2	21.5
10 8	2 36.11	+ 8 22.0	1.362	2.306	10.7	21.3
10 18	2 26.37	+ 7 53.3	1.340	2.321	5.8	21.0
10 28	2 15.43	+ 7 25.5	1.345	2.335	2.5	20.9
11 7	2 4.70	+ 7 4.5	1.377	2.350	5.9	21.1
11 17	1 55.47	+ 6 54.6	1.435	2.364	10.5	21.4
11 27	1 48.71	+ 6 59.1	1.517	2.378	14.6	21.7
12 7	1 44.92	+ 7 18.7	1.618	2.391	17.9	22.0
183033 2002 PV_{179}		10 29.1 43°.86	2°.3/27.7 18			
9 28	2 39.11	+10 35.8	1.265	2.158	15.8	20.5
10 8	2 33.29	+ 9 52.6	1.216	2.164	11.1	20.3
10 18	2 24.97	+ 9 1.7	1.189	2.171	6.0	20.0
10 28	2 15.29	+ 8 10.0	1.187	2.179	2.3	19.8
11 7	2 5.73	+ 7 25.0	1.211	2.187	6.2	20.1
11 17	1 57.64	+ 6 53.4	1.260	2.195	11.2	20.4
11 27	1 52.06	+ 6 39.9	1.332	2.203	15.5	20.7
12 7	1 49.51	+ 6 45.8	1.422	2.212	19.1	21.0
130237 2000 CJ_{26}		10 29.1 246°.08	5°.9/ 4.5 18			
9 28	2 38.60	+36 14.6	2.823	3.581	11.8	20.2
10 8	2 32.32	+36 34.3	2.725	3.566	9.9	20.1
10 18	2 24.32	+36 36.5	2.649	3.550	7.9	19.9
10 28	2 15.25	+36 19.6	2.600	3.534	6.4	19.8
11 7	2 5.96	+35 44.2	2.578	3.518	6.0	19.8
11 17	1 57.35	+34 53.4	2.585	3.501	7.1	19.8
11 27	1 50.23	+33 52.6	2.620	3.484	9.0	19.9
12 7	1 45.16	+32 48.1	2.679	3.467	11.2	20.0
5086 Demin		10 29.1 119°.16	1°.3/28.2 18			
9 28	2 41.29	+13 20.9	1.404	2.284	15.3	17.3
10 8	2 34.63	+12 27.7	1.353	2.296	10.8	17.0
10 18	2 25.61	+11 23.8	1.326	2.307	5.7	16.8
10 28	2 15.37	+10 15.5	1.324	2.317	1.3	16.5
11 7	2 5.29	+ 9 10.8	1.350	2.327	5.4	16.8
11 17	1 56.64	+ 8 17.3	1.403	2.337	10.3	17.1
11 27	1 50.43	+ 7 40.8	1.479	2.346	14.5	17.4
12 7	1 47.13	+ 7 23.7	1.575	2.355	18.0	17.7
74675 1999 RN_{109}		10 29.1 12°.38	5°.4/ 1.4 18			
9 28	2 38.76	+25 51.9	1.152	2.017	19.1	18.6
10 8	2 33.61	+26 6.6	1.096	2.018	14.8	18.4
10 18	2 25.39	+25 55.4	1.058	2.021	10.0	18.1
10 28	2 15.36	+25 18.2	1.042	2.024	6.0	17.9
11 7	2 5.26	+24 20.1	1.051	2.028	6.3	17.9
11 17	1 56.80	+23 10.7	1.083	2.033	10.5	18.2
11 27	1 51.30	+22 2.0	1.138	2.039	15.1	18.5
12 7	1 49.38	+21 4.0	1.212	2.046	19.2	18.7
175649 6233 P–L		10 29.1 2°.47	6°.2/ 1.0 18			
9 28	2 38.73	+24 13.1	0.961	1.842	20.7	19.4
10 8	2 34.09	+25 6.6	0.907	1.839	16.0	19.1
10 18	2 25.88	+25 36.0	0.872	1.838	10.9	18.8
10 28	2 15.44	+25 38.3	0.856	1.839	6.8	18.6
11 7	2 4.76	+25 16.1	0.863	1.841	7.3	18.6
11 17	1 55.89	+24 37.8	0.892	1.844	11.8	18.9
11 27	1 50.43	+23 55.2	0.940	1.849	16.8	19.2
12 7	1 49.09	+23 19.1	1.007	1.856	21.1	19.5

2020	α_{2000}	δ_{2000}	Δ	r	β	V
361824 2008 CG_{157}		10 29.1 12°.93	0°.0/29.0 18			
	h m	° ′			°	m
9 28	2 37.23	+14 41.6	1.899	2.769	12.4	21.1
10 8	2 31.47	+14 23.6	1.833	2.769	8.8	20.9
10 18	2 23.86	+13 57.0	1.791	2.770	4.8	20.7
10 28	2 15.21	+13 24.6	1.777	2.770	0.5	20.4
11 7	2 6.53	+12 50.9	1.792	2.771	3.9	20.6
11 17	1 58.80	+12 20.6	1.834	2.772	8.0	20.9
11 27	1 52.84	+11 58.4	1.902	2.773	11.6	21.1
12 7	1 49.18	+11 47.3	1.993	2.774	14.7	21.3
116918 2004 GB_{17}		10 29.1 211°.14	7°.6/21.3 18			
9 28	2 34.43	− 5 51.4	1.998	2.878	11.5	19.2
10 8	2 29.32	− 7 37.4	1.952	2.877	9.1	19.1
10 18	2 22.63	− 9 15.7	1.931	2.876	7.7	19.0
10 28	2 15.08	−10 38.0	1.937	2.875	8.0	19.0
11 7	2 7.57	−11 37.8	1.970	2.873	9.8	19.1
11 17	2 0.92	−12 11.7	2.028	2.872	12.3	19.3
11 27	1 55.84	−12 19.1	2.108	2.871	14.6	19.4
12 7	1 52.79	−12 2.3	2.205	2.869	16.6	19.6
388251 2006 KJ_{117}		10 29.1 168°.92	4°.3/25.9 18			
9 28	2 39.78	+ 1 38.1	2.063	2.938	11.4	21.5
10 8	2 33.03	+ 1 3.5	2.005	2.941	8.2	21.3
10 18	2 24.61	+ 0 31.4	1.973	2.944	5.3	21.2
10 28	2 15.29	+ 0 6.6	1.970	2.946	4.4	21.1
11 7	2 6.01	− 0 6.8	1.996	2.948	6.5	21.2
11 17	1 57.66	− 0 6.0	2.049	2.950	9.5	21.4
11 27	1 50.99	+ 0 10.1	2.128	2.951	12.5	21.6
12 7	1 46.48	+ 0 41.0	2.228	2.951	15.0	21.8
186002 2001 QO_{44}		10 29.1 106°.90	0°.7/29.6 17			
9 28	2 42.05	+17 10.2	1.681	2.544	14.2	21.0
10 8	2 34.87	+16 48.6	1.631	2.563	10.1	20.8
10 18	2 25.65	+16 14.9	1.605	2.582	5.6	20.5
10 28	2 15.39	+15 32.6	1.607	2.600	1.1	20.3
11 7	2 5.31	+14 46.9	1.637	2.617	4.0	20.5
11 17	1 56.54	+14 3.8	1.695	2.634	8.4	20.8
11 27	1 49.94	+13 29.1	1.779	2.651	12.2	21.1
12 7	1 45.97	+13 6.6	1.885	2.667	15.4	21.4
295736 2008 UD_{73}		10 29.1 94°.52	2°.7/31.2 18			
9 28	2 40.29	+22 36.9	1.733	2.581	14.5	20.7
10 8	2 33.71	+22 24.9	1.677	2.596	10.8	20.5
10 18	2 25.07	+21 56.3	1.645	2.611	6.7	20.3
10 28	2 15.34	+21 13.1	1.639	2.626	3.1	20.1
11 7	2 5.72	+20 20.1	1.661	2.641	4.1	20.2
11 17	1 57.34	+19 23.8	1.712	2.655	8.0	20.4
11 27	1 51.09	+18 31.5	1.788	2.669	11.7	20.7
12 7	1 47.45	+17 48.8	1.887	2.683	14.8	20.9
332024 2005 OO_{24}		10 29.1 164°.94	1°.1/30.1 16			
9 28	2 40.37	+19 18.3	1.858	2.713	13.4	21.5
10 8	2 33.70	+18 43.9	1.792	2.718	9.7	21.3
10 18	2 25.06	+17 55.3	1.750	2.723	5.6	21.0
10 28	2 15.35	+16 55.8	1.735	2.727	1.5	20.8
11 7	2 5.66	+15 51.0	1.750	2.730	3.8	20.9
11 17	1 57.06	+14 47.5	1.793	2.733	8.0	21.2
11 27	1 50.42	+13 51.8	1.864	2.735	11.8	21.5
12 7	1 46.26	+13 8.9	1.956	2.736	14.9	21.7
352204 2007 RR_{295}		10 29.1 267°.35	0°.8/28.4 18			
9 28	2 35.53	+15 16.7	1.869	2.742	12.5	21.0
10 8	2 30.36	+14 6.3	1.791	2.730	8.9	20.7
10 18	2 23.32	+12 43.0	1.737	2.717	4.7	20.5
10 28	2 15.19	+11 12.3	1.712	2.705	0.8	20.2
11 7	2 6.96	+ 9 41.6	1.715	2.692	4.5	20.4
11 17	1 59.63	+ 8 18.6	1.747	2.679	8.7	20.6
11 27	1 54.04	+ 7 10.0	1.805	2.667	12.6	20.9
12 7	1 50.75	+ 6 20.0	1.884	2.654	15.8	21.1
288527 2004 FH_{165}		10 29.1 77°.55	15°.2/21.4 17			
9 28	2 46.23	−25 9.4	1.505	2.325	17.7	19.9
10 8	2 37.75	−26 8.7	1.491	2.342	16.1	19.9
10 18	2 27.09	−26 35.6	1.496	2.358	15.3	19.9
10 28	2 15.54	−26 22.8	1.522	2.374	15.4	19.9
11 7	2 4.54	−25 28.8	1.569	2.391	16.5	20.1
11 17	1 55.30	−23 57.6	1.637	2.407	18.0	20.2
11 27	1 48.64	−21 56.5	1.723	2.423	19.6	20.4
12 7	1 44.91	−19 34.4	1.825	2.439	21.0	20.6
459454 2012 XY_{55}		10 29.1 90°.45	20°.6/20.5 17			
9 28	2 50.58	−30 38.1	1.147	1.959	22.6	20.7
10 8	2 41.42	−31 57.5	1.134	1.967	21.3	20.7
10 18	2 29.23	−32 31.0	1.136	1.976	20.6	20.7
10 28	2 15.76	−32 8.4	1.156	1.985	20.8	20.7
11 7	2 3.02	−30 48.5	1.192	1.993	21.8	20.8
11 17	1 52.66	−28 38.1	1.245	2.002	23.3	21.0
11 27	1 45.71	−25 49.0	1.313	2.010	24.8	21.2
12 7	1 42.45	−22 34.6	1.395	2.018	26.3	21.3

2020	α_{2000}	δ_{2000}	Δ	r	β	V
229954 1999 BC_5		10 29.1 305°.86	8°.1/ 5.6 17			
	h m	° ′			°	m
9 28	2 40.44	+39 24.8	2.362	3.109	14.2	20.1
10 8	2 34.04	+40 15.5	2.277	3.101	12.2	20.0
10 18	2 25.43	+40 45.2	2.213	3.094	10.2	19.8
10 28	2 15.42	+40 50.6	2.173	3.087	8.6	19.7
11 7	2 5.11	+40 31.5	2.158	3.079	8.1	19.7
11 17	1 55.65	+39 50.7	2.170	3.072	9.0	19.7
11 27	1 48.11	+38 54.7	2.208	3.065	10.8	19.8
12 7	1 43.15	+37 51.2	2.269	3.059	12.8	20.0
407238 2009 WY_{84}		10 29.1 53°.76	1°.3/30.2 18			
9 28	2 38.46	+17 53.4	1.981	2.840	12.5	20.5
10 8	2 32.18	+17 57.1	1.931	2.859	9.0	20.3
10 18	2 24.17	+17 50.7	1.905	2.878	5.2	20.1
10 28	2 15.28	+17 35.8	1.906	2.898	1.6	19.9
11 7	2 6.49	+17 15.8	1.937	2.917	3.5	20.1
11 17	1 58.73	+16 54.8	1.996	2.937	7.2	20.4
11 27	1 52.76	+16 37.1	2.081	2.957	10.5	20.6
12 7	1 49.03	+16 26.4	2.189	2.977	13.3	20.8
196721 2003 SM_{109}		10 29.1 97°.93	0°.0/29.0 18			
9 28	2 34.27	+17 21.6	2.367	3.226	10.7	20.0
10 8	2 29.00	+16 15.3	2.308	3.239	7.6	19.8
10 18	2 22.39	+14 58.7	2.275	3.252	4.1	19.6
10 28	2 15.11	+13 36.3	2.271	3.264	0.4	19.3
11 7	2 7.92	+12 13.7	2.298	3.277	3.2	19.6
11 17	2 1.55	+10 56.4	2.355	3.289	6.7	19.8
11 27	1 56.61	+ 9 49.6	2.440	3.301	9.7	20.1
12 7	1 53.46	+ 8 56.6	2.548	3.313	12.3	20.3
358726 2008 CP_{14}		10 29.1 252°.96	3°.1/26.5 18			
9 28	2 36.45	+ 6 4.8	2.057	2.937	11.2	21.1
10 8	2 30.83	+ 5 20.5	1.987	2.929	7.9	20.9
10 18	2 23.52	+ 4 34.1	1.943	2.920	4.7	20.7
10 28	2 15.25	+ 3 50.5	1.927	2.911	3.2	20.6
11 7	2 6.90	+ 3 14.7	1.939	2.902	5.6	20.7
11 17	1 59.37	+ 2 51.0	1.979	2.893	9.0	20.9
11 27	1 53.41	+ 2 42.0	2.045	2.884	12.3	21.1
12 7	1 49.55	+ 2 48.9	2.131	2.875	15.0	21.3
295482 2008 QX_{37}		10 29.1 346°.31	1°.1/28.3 18			
9 28	2 33.85	+12 16.2	1.865	2.746	12.1	20.4
10 8	2 29.15	+11 44.7	1.796	2.739	8.5	20.1
10 18	2 22.67	+11 5.9	1.752	2.733	4.6	19.9
10 28	2 15.17	+10 24.0	1.735	2.727	1.1	19.6
11 7	2 7.60	+ 9 43.9	1.745	2.722	4.4	19.9
11 17	2 0.89	+ 9 10.7	1.783	2.718	8.4	20.1
11 27	1 55.87	+ 8 48.8	1.846	2.714	12.0	20.3
12 7	1 53.04	+ 8 40.5	1.930	2.711	15.1	20.5
137552 1999 VG_{85}		10 29.1 142°.53	0°.5/29.5 18			
9 28	2 39.54	+18 5.4	1.579	2.447	14.6	20.0
10 8	2 33.36	+17 17.4	1.518	2.453	10.5	19.7
10 18	2 24.98	+16 14.3	1.481	2.458	5.8	19.5
10 28	2 15.41	+15 0.6	1.470	2.463	0.9	19.1
11 7	2 5.90	+13 43.6	1.487	2.468	4.3	19.4
11 17	1 57.63	+12 31.5	1.532	2.472	9.0	19.7
11 27	1 51.56	+11 31.8	1.601	2.476	13.2	20.0
12 7	1 48.19	+10 49.0	1.692	2.479	16.6	20.2
517479 2014 QM_{90}		10 29.1 62°.96	2°.4/26.9 18			
9 28	2 34.52	+ 9 18.5	2.005	2.887	11.4	21.1
10 8	2 29.34	+ 8 15.7	1.956	2.900	7.9	20.9
10 18	2 22.63	+ 7 8.5	1.932	2.912	4.3	20.7
10 28	2 15.16	+ 6 2.7	1.937	2.925	2.4	20.6
11 7	2 7.79	+ 5 3.9	1.970	2.938	5.0	20.8
11 17	2 1.34	+ 4 17.2	2.032	2.952	8.5	21.1
11 27	1 56.48	+ 3 45.7	2.118	2.965	11.6	21.3
12 7	1 53.61	+ 3 30.9	2.226	2.978	14.2	21.5
280518 2004 PY_{75}		10 29.1 117°.60	1°.2/28.1 16			
9 28	2 40.43	+12 37.5	2.021	2.887	12.0	21.7
10 8	2 33.40	+11 43.5	1.975	2.911	8.4	21.5
10 18	2 24.76	+10 42.6	1.954	2.934	4.4	21.3
10 28	2 15.38	+ 9 39.6	1.963	2.956	1.2	21.1
11 7	2 6.20	+ 8 40.2	2.003	2.977	4.3	21.4
11 17	1 58.12	+ 7 49.7	2.071	2.997	8.0	21.6
11 27	1 51.82	+ 7 11.9	2.166	3.016	11.2	21.9
12 7	1 47.70	+ 6 49.0	2.283	3.035	13.9	22.1
469865 2005 UM_{43}		10 29.1 6°.37	3°.1/30.8 18			
9 28	2 36.03	+19 45.1	0.994	1.888	19.1	19.9
10 8	2 31.87	+20 6.1	0.944	1.887	14.2	19.7
10 18	2 24.55	+20 7.8	0.913	1.889	8.6	19.4
10 28	2 15.38	+19 51.2	0.902	1.893	3.6	19.1
11 7	2 6.14	+19 21.8	0.915	1.898	5.6	19.2
11 17	1 58.57	+18 47.8	0.950	1.905	11.0	19.6
11 27	1 54.03	+18 18.6	1.007	1.914	16.1	19.9
12 7	1 53.14	+18 1.1	1.081	1.924	20.3	20.2

2020	α_{2000}	δ_{2000}	Δ	r	β	V
304158 2006 OV_{21}		10 29.1 35°.65	0°.4/28.9 18			
	h m	° ′			°	m
9 28	2 42.20	+11 59.6	1.248	2.135	16.4	19.6
10 8	2 35.33	+12 15.2	1.216	2.161	11.5	19.4
10 18	2 26.01	+12 23.4	1.206	2.187	6.1	19.2
10 28	2 15.52	+12 27.1	1.221	2.214	0.7	18.9
11 7	2 5.39	+12 30.0	1.262	2.242	4.9	19.3
11 17	1 56.94	+12 36.4	1.329	2.271	9.9	19.6
11 27	1 51.14	+12 50.1	1.419	2.300	14.1	20.0
12 7	1 48.40	+13 13.1	1.529	2.330	17.5	20.3
447944 2008 AD_{107}		10 29.1 341°.86	3°.6/ 1.1 18			
9 28	2 38.05	+25 0.4	1.886	2.725	13.9	21.5
10 8	2 32.25	+24 59.2	1.814	2.724	10.6	21.3
10 18	2 24.41	+24 40.9	1.764	2.723	7.0	21.1
10 28	2 15.38	+24 6.0	1.741	2.723	4.0	20.9
11 7	2 6.28	+23 18.2	1.746	2.722	4.4	21.0
11 17	1 58.17	+22 23.1	1.778	2.722	7.7	21.2
11 27	1 52.01	+21 27.9	1.837	2.721	11.2	21.4
12 7	1 48.33	+20 39.2	1.919	2.721	14.4	21.6
68466 2001 SC_{150}		10 29.1 71°.87	2°.0/30.5 18			
9 28	2 40.79	+20 28.1	1.439	2.304	16.0	19.0
10 8	2 34.30	+20 6.8	1.392	2.322	11.7	18.8
10 18	2 25.48	+19 28.3	1.367	2.341	6.9	18.5
10 28	2 15.48	+18 36.2	1.368	2.359	2.4	18.3
11 7	2 5.69	+17 36.8	1.396	2.378	4.3	18.5
11 17	1 57.38	+16 37.9	1.451	2.396	8.9	18.8
11 27	1 51.50	+15 47.4	1.531	2.415	13.1	19.1
12 7	1 48.52	+15 10.3	1.631	2.433	16.5	19.4
181720 1994 YX_3		10 29.2 303°.05	2°.2/30.9 18			
9 28	2 37.63	+21 10.7	1.816	2.670	13.6	20.7
10 8	2 31.96	+20 56.6	1.744	2.668	10.1	20.5
10 18	2 24.26	+20 27.4	1.695	2.665	6.2	20.3
10 28	2 15.38	+19 45.1	1.673	2.663	2.5	20.0
11 7	2 6.42	+18 54.2	1.680	2.660	3.9	20.1
11 17	1 58.45	+18 0.5	1.714	2.658	7.9	20.4
11 27	1 52.42	+17 11.1	1.773	2.655	11.7	20.6
12 7	1 48.87	+16 31.3	1.855	2.653	15.0	20.8
30852 Debye		10 29.2 135°.29	1°.6/30.2 18			
9 28	2 43.34	+19 37.8	1.539	2.398	15.4	18.9
10 8	2 36.10	+19 14.8	1.482	2.410	11.2	18.7
10 18	2 26.48	+18 35.7	1.448	2.421	6.5	18.4
10 28	2 15.61	+17 43.6	1.440	2.432	2.0	18.2
11 7	2 4.84	+16 44.5	1.461	2.441	4.3	18.3
11 17	1 55.46	+15 46.1	1.509	2.451	9.0	18.6
11 27	1 48.50	+14 55.8	1.582	2.459	13.2	18.9
12 7	1 44.47	+14 19.1	1.677	2.467	16.6	19.2
346619 2008 WA_{93}		10 29.2 350°.26	8°.8/23.9 18			
9 28	2 29.94	− 0 17.3	0.949	1.871	16.9	18.7
10 8	2 27.48	− 1 37.5	0.898	1.855	12.8	18.5
10 18	2 22.18	− 2 52.7	0.867	1.841	9.5	18.2
10 28	2 15.18	− 3 49.7	0.857	1.830	9.1	18.2
11 7	2 8.04	− 4 17.5	0.867	1.821	12.2	18.3
11 17	2 2.30	− 4 10.2	0.897	1.815	16.6	18.5
11 27	1 59.22	− 3 27.5	0.945	1.811	20.8	18.8
12 7	1 59.44	− 2 14.3	1.008	1.810	24.4	19.0
315939 2008 TN_{59}		10 29.2 340°.58	0°.4/28.6 18			
9 28	2 29.16	+12 34.0	4.117	4.979	6.5	21.3
10 8	2 25.09	+12 16.4	4.043	4.978	4.5	21.1
10 18	2 20.24	+11 55.5	3.998	4.976	2.4	21.0
10 28	2 14.97	+11 33.0	3.982	4.975	0.4	20.8
11 7	2 9.68	+11 10.9	3.997	4.974	2.1	20.9
11 17	2 4.77	+10 51.1	4.042	4.972	4.3	21.1
11 27	2 0.59	+10 35.5	4.116	4.971	6.2	21.2
12 7	1 57.43	+10 25.5	4.215	4.970	7.9	21.4
167100 2003 ST_{43}		10 29.2 296°.46	4°.3/25.7 18			
9 28	2 35.67	+ 5 51.4	1.619	2.511	13.0	19.9
10 8	2 30.67	+ 4 34.5	1.551	2.498	9.3	19.7
10 18	2 23.61	+ 3 13.5	1.508	2.485	5.7	19.4
10 28	2 15.33	+ 1 56.2	1.490	2.473	4.5	19.3
11 7	2 6.94	+ 0 50.8	1.500	2.460	7.4	19.5
11 17	1 59.53	+ 0 4.0	1.536	2.448	11.3	19.7
11 27	1 54.04	− 0 20.3	1.595	2.436	15.1	19.9
12 7	1 51.04	− 0 21.4	1.673	2.424	18.2	20.1
7361 Endres		10 29.2 57°.46	1°.0/29.9 18 R			
9 28	2 38.74	+17 34.2	1.670	2.537	14.0	17.5
10 8	2 32.74	+17 21.6	1.612	2.545	10.1	17.3
10 18	2 24.65	+16 56.8	1.577	2.553	5.7	17.1
10 28	2 15.43	+16 22.5	1.569	2.562	1.4	16.8
11 7	2 6.25	+15 43.6	1.589	2.570	4.0	17.0
11 17	1 58.22	+15 5.8	1.636	2.579	8.3	17.3
11 27	1 52.26	+14 34.9	1.709	2.588	12.2	17.6
12 7	1 48.88	+14 15.1	1.803	2.597	15.5	17.8

218300 2003 SD_{123} 10 29.2 358°.81 3°.4/30.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 28	2 41.91	+20 6.6	1.695	2.550	14.4	18.7
10 8	2 35.26	+21 6.3	1.625	2.547	10.9	18.5
10 18	2 26.19	+21 55.1	1.579	2.545	6.9	18.2
10 28	2 15.62	+22 31.1	1.559	2.544	3.7	18.0
11 7	2 4.79	+22 54.8	1.567	2.544	4.8	18.1
11 17	1 55.01	+23 8.6	1.603	2.545	8.5	18.3
11 27	1 47.40	+23 17.5	1.664	2.547	12.3	18.6
12 7	1 42.65	+23 26.7	1.747	2.549	15.6	18.8

91577 1999 SU_{8} 10 29.2 318°.80 0°.7/28.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 44.01	+10 10.6	1.484	2.362	14.8	17.1
10 8	2 36.98	+10 42.9	1.409	2.349	10.6	16.8
10 18	2 27.23	+11 12.7	1.357	2.337	5.8	16.5
10 28	2 15.74	+11 41.2	1.331	2.325	0.9	16.1
11 7	2 3.91	+12 10.2	1.334	2.313	5.0	16.4
11 17	1 53.19	+12 42.0	1.363	2.302	10.1	16.6
11 27	1 44.86	+13 19.4	1.417	2.291	14.6	16.9
12 7	1 39.67	+14 4.3	1.492	2.281	18.4	17.1

351349 2005 AT_{48} 10 29.2 206°.96 7°.0/23.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 37.54	− 4 57.0	1.991	2.867	11.7	20.6
10 8	2 31.59	− 6 9.2	1.937	2.864	9.1	20.4
10 18	2 23.94	− 7 14.0	1.909	2.860	7.3	20.3
10 28	2 15.38	− 8 4.6	1.907	2.856	7.2	20.3
11 7	2 6.83	− 8 35.5	1.933	2.852	9.1	20.4
11 17	1 59.18	− 8 43.8	1.984	2.847	11.7	20.6
11 27	1 53.19	− 8 29.1	2.058	2.842	14.2	20.7
12 7	1 49.34	− 7 53.6	2.151	2.837	16.5	20.9

483894 2006 AP_{17} 10 29.2 205°.44 3°.2/ 1.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 36.46	+27 0.5	2.753	3.566	10.7	22.3
10 8	2 30.66	+26 52.0	2.668	3.562	8.3	22.2
10 18	2 23.41	+26 29.7	2.608	3.557	5.7	22.0
10 28	2 15.33	+25 54.1	2.576	3.552	3.6	21.8
11 7	2 7.18	+25 7.8	2.574	3.546	3.7	21.8
11 17	1 59.71	+24 14.6	2.602	3.540	5.9	22.0
11 27	1 53.59	+23 19.6	2.658	3.534	8.5	22.1
12 7	1 49.28	+22 27.8	2.740	3.527	10.9	22.3

402448 2006 BX_{58} 10 29.2 288°.08 6°.2/ 3.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 39.32	+33 27.7	2.305	3.091	13.4	20.8
10 8	2 33.08	+33 58.7	2.226	3.089	11.0	20.7
10 18	2 24.88	+34 10.9	2.169	3.088	8.5	20.5
10 28	2 15.49	+34 2.7	2.138	3.086	6.6	20.4
11 7	2 5.94	+33 35.0	2.134	3.085	6.3	20.4
11 17	1 57.26	+32 51.7	2.158	3.083	7.8	20.5
11 27	1 50.36	+31 59.0	2.209	3.082	10.1	20.6
12 7	1 45.82	+31 4.1	2.284	3.081	12.5	20.8

73803 1995 QT_{5} 10 29.2 273°.28 0°.3/29.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 39.55	+17 22.8	1.593	2.462	14.5	19.8
10 8	2 33.77	+16 40.4	1.502	2.438	10.5	19.5
10 18	2 25.49	+15 41.7	1.434	2.412	5.9	19.2
10 28	2 15.58	+14 30.2	1.393	2.386	0.8	18.7
11 7	2 5.29	+13 12.5	1.379	2.360	4.6	19.0
11 17	1 55.94	+11 57.3	1.393	2.333	9.8	19.2
11 27	1 48.74	+10 53.3	1.432	2.305	14.5	19.4
12 7	1 44.43	+10 6.6	1.490	2.278	18.5	19.6

74261 1998 SO_{84} 10 29.2 158°.77 0°.2/29.0 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 42.36	+14 18.1	1.896	2.759	12.8	19.7
10 8	2 35.10	+14 0.5	1.833	2.766	9.1	19.5
10 18	2 25.88	+13 34.4	1.795	2.773	4.9	19.3
10 28	2 15.60	+13 2.7	1.785	2.779	0.5	19.0
11 7	2 5.34	+12 29.8	1.805	2.784	4.0	19.3
11 17	1 56.15	+12 0.4	1.854	2.789	8.2	19.5
11 27	1 48.90	+11 39.2	1.930	2.792	11.8	19.8
12 7	1 44.10	+11 29.1	2.027	2.795	14.9	20.0

113287 2002 RH_{170} 10 29.2 57°.27 3°.1/31.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 41.00	+22 16.9	1.265	2.131	17.6	19.3
10 8	2 34.78	+22 7.0	1.217	2.146	13.1	19.1
10 18	2 25.89	+21 36.3	1.191	2.162	8.0	18.8
10 28	2 15.59	+20 47.3	1.189	2.178	3.6	18.6
11 7	2 5.48	+19 46.8	1.213	2.194	4.9	18.7
11 17	1 57.01	+18 43.9	1.262	2.210	9.6	19.1
11 27	1 51.27	+17 47.8	1.334	2.226	14.1	19.4
12 7	1 48.73	+17 5.2	1.427	2.243	17.8	19.7

473343 2015 TD_{189} 10 29.2 73°.78 5°.8/ 3.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 39.40	+32 4.0	1.873	2.680	15.3	20.4
10 8	2 33.18	+32 2.3	1.815	2.696	12.2	20.3
10 18	2 24.88	+31 37.6	1.778	2.712	9.0	20.1
10 28	2 15.50	+30 49.9	1.766	2.729	6.4	20.0
11 7	2 6.23	+29 43.1	1.781	2.745	5.9	20.0
11 17	1 58.19	+28 24.3	1.824	2.762	8.0	20.2
11 27	1 52.27	+27 2.1	1.893	2.778	10.9	20.4
12 7	1 48.93	+25 44.7	1.986	2.794	13.7	20.6

19094 1979 MR_{6} 10 29.2 150°.84 2°.0/27.7 18 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 28	2 40.88	+11 9.3	1.610	2.488	13.9	19.3
10 8	2 34.23	+10 14.7	1.554	2.495	9.7	19.1
10 18	2 25.46	+ 9 12.4	1.522	2.502	5.2	18.8
10 28	2 15.57	+ 8 8.5	1.517	2.508	2.0	18.6
11 7	2 5.75	+ 7 9.9	1.541	2.514	5.5	18.9
11 17	1 57.16	+ 6 23.1	1.592	2.519	9.8	19.2
11 27	1 50.71	+ 5 52.7	1.667	2.523	13.7	19.4
12 7	1 46.91	+ 5 40.7	1.763	2.527	16.9	19.6

161332 2003 QX_{93} 10 29.2 305°.87 9°.3/21.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 35.73	− 7 1.0	1.580	2.466	13.6	19.2
10 8	2 30.70	− 8 46.1	1.529	2.456	11.0	19.1
10 18	2 23.62	−10 21.3	1.501	2.446	9.4	18.9
10 28	2 15.38	−11 36.1	1.499	2.437	9.8	19.0
11 7	2 7.11	−12 22.8	1.521	2.428	11.9	19.1
11 17	1 59.87	−12 37.6	1.566	2.419	14.8	19.2
11 27	1 54.61	−12 20.5	1.631	2.410	17.6	19.4
12 7	1 51.83	−11 35.5	1.713	2.402	20.0	19.6

278252 2007 EX_{189} 10 29.2 50°.29 0°.4/29.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 39.41	+16 55.4	1.277	2.159	16.5	20.1
10 8	2 33.46	+16 21.8	1.237	2.178	11.7	19.9
10 18	2 25.09	+15 33.8	1.219	2.198	6.4	19.6
10 28	2 15.53	+14 36.6	1.225	2.219	0.9	19.3
11 7	2 6.24	+13 37.9	1.258	2.239	4.7	19.7
11 17	1 58.52	+12 45.8	1.316	2.261	9.8	20.0
11 27	1 53.33	+12 6.8	1.398	2.282	14.1	20.3
12 7	1 51.10	+11 44.6	1.500	2.304	17.6	20.6

1767 Lampland 10 29.2 57°.34 2°.0/27.3 18 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 34.44	+10 57.2	1.976	2.856	11.6	16.7
10 8	2 29.39	+ 9 52.6	1.922	2.865	8.1	16.5
10 18	2 22.75	+ 8 41.8	1.893	2.873	4.3	16.3
10 28	2 15.30	+ 7 30.4	1.892	2.882	2.0	16.1
11 7	2 7.93	+ 6 24.6	1.920	2.891	4.8	16.3
11 17	2 1.46	+ 5 29.9	1.976	2.900	8.4	16.6
11 27	1 56.60	+ 4 50.3	2.058	2.910	11.7	16.8
12 7	1 53.77	+ 4 27.7	2.161	2.919	14.4	17.0

378537 2008 AY_{127} 10 29.2 31°.32 2°.0/27.9 15

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 38.65	+11 53.1	1.183	2.078	16.5	21.0
10 8	2 33.20	+11 4.7	1.134	2.083	11.6	20.8
10 18	2 25.10	+10 6.2	1.106	2.089	6.2	20.5
10 28	2 15.56	+ 9 4.9	1.103	2.095	2.0	20.3
11 7	2 6.10	+ 8 9.4	1.124	2.101	6.2	20.5
11 17	1 58.16	+ 7 27.7	1.170	2.108	11.5	20.9
11 27	1 52.85	+ 7 5.2	1.238	2.115	16.1	21.2
12 7	1 50.68	+ 7 3.9	1.325	2.123	19.8	21.4

342246 2008 SE_{283} 10 29.2 30°.41 6°.5/ 3.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 38.44	+32 54.1	1.563	2.379	17.3	20.1
10 8	2 32.95	+32 44.1	1.496	2.382	14.0	19.9
10 18	2 24.96	+32 5.5	1.448	2.386	10.4	19.7
10 28	2 15.55	+30 58.1	1.424	2.389	7.3	19.5
11 7	2 6.15	+29 26.7	1.426	2.393	6.7	19.5
11 17	1 58.11	+27 40.5	1.455	2.397	9.2	19.6
11 27	1 52.51	+25 51.4	1.508	2.401	12.6	19.8
12 7	1 49.91	+24 10.3	1.584	2.406	16.0	20.1

81382 2000 GO_{71} 10 29.2 79°.37 1°.0/28.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 37.35	+13 43.1	1.879	2.752	12.4	19.1
10 8	2 31.39	+12 46.7	1.835	2.774	8.7	18.9
10 18	2 23.80	+11 42.2	1.816	2.796	4.6	18.7
10 28	2 15.42	+10 34.8	1.826	2.818	1.0	18.5
11 7	2 7.23	+ 9 30.8	1.864	2.840	4.2	18.8
11 17	2 0.13	+ 8 35.7	1.931	2.862	8.1	19.1
11 27	1 54.82	+ 7 54.0	2.023	2.883	11.5	19.3
12 7	1 51.69	+ 7 27.9	2.137	2.904	14.3	19.6

263155 2007 VG_{273} 10 29.2 346°.39 2°.6/27.8 15

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 39.73	+ 9 59.6	1.183	2.079	16.4	20.6
10 8	2 34.11	+ 9 23.4	1.126	2.076	11.7	20.4
10 18	2 25.69	+ 8 39.7	1.091	2.073	6.4	20.1
10 28	2 15.64	+ 7 55.0	1.080	2.071	2.6	19.8
11 7	2 5.53	+ 7 17.1	1.094	2.069	6.6	20.1
11 17	1 56.88	+ 6 53.0	1.132	2.068	11.9	20.4
11 27	1 50.91	+ 6 47.5	1.192	2.067	16.7	20.6
12 7	1 48.23	+ 7 2.0	1.269	2.067	20.6	20.9

8954 Baral 10 29.2 326°.45 0°.2/29.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 35.96	+16 39.3	1.172	2.064	16.9	16.9
10 8	2 31.60	+15 48.1	1.105	2.052	12.2	16.6
10 18	2 24.43	+14 38.2	1.059	2.040	6.7	16.3
10 28	2 15.53	+13 15.4	1.036	2.030	0.7	15.8
11 7	2 6.43	+11 49.7	1.039	2.020	5.5	16.2
11 17	1 58.68	+10 32.2	1.065	2.010	11.3	16.5
11 27	1 53.55	+ 9 32.6	1.113	2.002	16.5	16.7
12 7	1 51.72	+ 8 56.4	1.180	1.994	20.8	17.0

119278 2001 RG_{91} 10 29.2 24°.74 0°.1/29.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 28	2 38.82	+14 29.5	1.069	1.965	17.8	18.9
10 8	2 33.49	+14 26.0	1.027	1.975	12.7	18.7
10 18	2 25.31	+14 10.2	1.006	1.987	6.9	18.4
10 28	2 15.61	+13 46.4	1.007	2.001	0.8	18.1
11 7	2 6.07	+13 20.9	1.033	2.015	5.3	18.4
11 17	1 58.23	+13 0.6	1.082	2.030	10.9	18.8
11 27	1 53.24	+12 51.5	1.154	2.047	15.7	19.1
12 7	1 51.60	+12 56.9	1.243	2.064	19.6	19.4

79921 1999 CK_{31} 10 29.2 313°.28 2°.5/27.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 36.96	+ 8 50.8	1.608	2.495	13.4	19.2
10 8	2 31.77	+ 8 20.5	1.530	2.475	9.5	18.9
10 18	2 24.34	+ 7 45.1	1.475	2.456	5.3	18.6
10 28	2 15.53	+ 7 9.4	1.446	2.437	2.5	18.4
11 7	2 6.45	+ 6 39.2	1.445	2.418	5.8	18.6
11 17	1 58.30	+ 6 20.0	1.470	2.400	10.3	18.8
11 27	1 52.13	+ 6 15.8	1.518	2.382	14.4	19.0
12 7	1 48.60	+ 6 28.5	1.586	2.365	17.9	19.2

113442 2002 SU_{43} 10 29.2 37°.74 0°.1/29.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 38.17	+15 11.7	1.630	2.505	13.9	19.4
10 8	2 32.40	+14 53.7	1.572	2.511	9.9	19.2
10 18	2 24.54	+14 25.4	1.537	2.516	5.4	19.0
10 28	2 15.54	+13 50.3	1.529	2.523	0.6	18.6
11 7	2 6.55	+13 13.5	1.549	2.529	4.2	18.9
11 17	1 58.70	+12 40.6	1.595	2.536	8.7	19.2
11 27	1 52.91	+12 16.8	1.666	2.543	12.6	19.5
12 7	1 49.69	+12 5.5	1.759	2.550	15.9	19.7

15387 Hanazukayama 10 29.2 77°.51 3°.6/31.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 46.30	+21 45.1	1.513	2.363	16.2	17.9
10 8	2 38.31	+22 21.6	1.464	2.383	12.1	17.7
10 18	2 27.77	+22 41.8	1.438	2.403	7.7	17.5
10 28	2 15.88	+22 45.1	1.438	2.423	4.0	17.4
11 7	2 4.12	+22 34.3	1.466	2.443	5.0	17.5
11 17	1 53.88	+22 14.8	1.521	2.463	8.9	17.8
11 27	1 46.23	+21 53.6	1.601	2.483	12.8	18.1
12 7	1 41.72	+21 37.0	1.703	2.502	16.0	18.3

52080 2002 RZ_{62} 10 29.2 42°.36 1°.2/28.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 41.99	+11 41.8	1.099	1.994	17.5	17.9
10 8	2 35.53	+11 33.8	1.064	2.012	12.4	17.7
10 18	2 26.31	+11 17.7	1.049	2.031	6.6	17.4
10 28	2 15.72	+10 58.2	1.059	2.052	1.2	17.2
11 7	2 5.45	+10 41.3	1.093	2.072	5.7	17.5
11 17	1 56.98	+10 32.8	1.151	2.094	11.0	17.9
11 27	1 51.40	+10 36.8	1.232	2.116	15.6	18.2
12 7	1 49.13	+10 55.1	1.331	2.138	19.3	18.5

13011 Loeillet 10 29.2 28°.86 5°.4/ 2.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 38.58	+29 7.2	1.918	2.738	14.4	17.9
10 8	2 32.70	+29 32.7	1.853	2.745	11.5	17.7
10 18	2 24.74	+29 39.2	1.810	2.752	8.3	17.6
10 28	2 15.57	+29 25.9	1.792	2.759	5.8	17.4
11 7	2 6.34	+28 54.9	1.801	2.767	5.7	17.4
11 17	1 58.15	+28 11.2	1.837	2.775	8.0	17.6
11 27	1 51.95	+27 21.9	1.899	2.783	10.9	17.8
12 7	1 48.30	+26 34.1	1.984	2.792	13.8	18.0

322452 2011 UF_{17} 10 29.2 184°.01 1°.5/30.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 37.37	+20 0.2	2.023	2.876	12.5	20.8
10 8	2 31.61	+19 36.2	1.951	2.876	9.2	20.6
10 18	2 24.06	+18 59.2	1.905	2.876	5.4	20.3
10 28	2 15.50	+18 11.5	1.885	2.876	1.8	20.1
11 7	2 6.90	+17 17.6	1.895	2.876	3.5	20.2
11 17	1 59.22	+16 23.0	1.933	2.875	7.3	20.5
11 27	1 53.26	+15 33.8	1.998	2.875	10.9	20.7
12 7	1 49.53	+14 54.5	2.086	2.874	13.9	20.9

205185 2000 DO_{6} 10 29.2 293°.37 4°.2/31.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 40.75	+24 7.9	1.762	2.603	14.6	19.7
10 8	2 34.59	+24 35.9	1.674	2.586	11.3	19.5
10 18	2 25.97	+24 48.3	1.610	2.569	7.6	19.2
10 28	2 15.73	+24 43.8	1.571	2.552	4.5	19.0
11 7	2 5.10	+24 24.0	1.560	2.535	5.1	19.0
11 17	1 55.38	+23 53.4	1.576	2.518	8.6	19.2
11 27	1 47.76	+23 18.9	1.618	2.501	12.5	19.4
12 7	1 42.98	+22 47.5	1.681	2.485	16.0	19.6

297192 2010 XO_{63} 10 29.2 176°.51 6°.0/23.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 35.74	− 4 34.9	2.271	3.146	10.5	20.1
10 8	2 30.17	− 5 26.3	2.219	3.146	8.1	20.0
10 18	2 23.17	− 6 11.0	2.193	3.146	6.3	19.9
10 28	2 15.41	− 6 43.5	2.194	3.146	6.2	19.9
11 7	2 7.68	− 7 0.0	2.222	3.146	7.8	20.0
11 17	2 0.73	− 6 58.3	2.278	3.146	10.1	20.1
11 27	1 55.22	− 6 38.0	2.357	3.146	12.5	20.3
12 7	1 51.56	− 6 0.6	2.456	3.146	14.5	20.5

248813 2006 SC_{175} 10 29.2 95°.25 1°.8/30.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 28	2 38.79	+19 58.1	1.916	2.770	13.1	20.9
10 8	2 32.66	+19 49.9	1.853	2.778	9.6	20.7
10 18	2 24.64	+19 28.9	1.814	2.785	5.7	20.5
10 28	2 15.57	+18 56.9	1.802	2.792	2.1	20.3
11 7	2 6.52	+18 17.9	1.819	2.800	3.7	20.4
11 17	1 58.47	+17 37.1	1.864	2.807	7.5	20.6
11 27	1 52.29	+17 0.3	1.936	2.814	11.1	20.9
12 7	1 48.47	+16 31.9	2.030	2.821	14.1	21.1

519851 2013 MB_{13} 10 29.2 151°.08 1°.0/28.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 35.25	+11 49.7	2.544	3.411	9.8	22.3
10 8	2 29.75	+11 19.1	2.479	3.415	6.9	22.1
10 18	2 22.93	+10 43.6	2.440	3.419	3.7	22.0
10 28	2 15.39	+10 6.0	2.431	3.423	1.0	21.8
11 7	2 7.86	+ 9 30.3	2.451	3.427	3.5	22.0
11 17	2 1.03	+ 8 59.7	2.502	3.430	6.7	22.2
11 27	1 55.50	+ 8 37.6	2.579	3.433	9.5	22.4
12 7	1 51.69	+ 8 25.9	2.680	3.436	11.9	22.5

223931 2004 XH_{2} 10 29.2 21°.82 3°.1/31.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 37.10	+22 23.9	1.700	2.556	14.4	19.3
10 8	2 31.68	+22 31.8	1.642	2.563	10.8	19.1
10 18	2 24.19	+22 24.0	1.605	2.572	6.8	18.9
10 28	2 15.53	+22 1.7	1.595	2.580	3.5	18.7
11 7	2 6.87	+21 28.5	1.611	2.590	4.3	18.8
11 17	1 59.32	+20 49.9	1.654	2.600	8.0	19.0
11 27	1 53.80	+20 12.7	1.723	2.611	11.6	19.3
12 7	1 50.83	+19 42.3	1.814	2.623	14.8	19.5

511860 2015 FB_{397} 10 29.2 160°.46 3°.5/31.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 41.24	+24 20.4	1.773	2.613	14.6	21.6
10 8	2 34.63	+24 17.4	1.704	2.616	11.1	21.4
10 18	2 25.80	+23 56.6	1.658	2.620	7.2	21.2
10 28	2 15.71	+23 18.8	1.639	2.623	3.9	21.0
11 7	2 5.57	+22 27.8	1.648	2.625	4.5	21.1
11 17	1 56.57	+21 30.3	1.684	2.627	8.1	21.3
11 27	1 49.70	+20 33.7	1.747	2.629	11.8	21.5
12 7	1 45.53	+19 44.9	1.832	2.631	15.1	21.8

363696 2004 TA_{215} 10 29.2 334°.16 5°.7/24.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 34.63	− 0 53.3	1.952	2.838	11.4	20.1
10 8	2 29.62	− 1 57.4	1.895	2.833	8.5	19.9
10 18	2 22.97	− 2 57.5	1.863	2.828	6.2	19.8
10 28	2 15.40	− 3 47.2	1.859	2.824	5.9	19.8
11 7	2 7.83	− 4 21.0	1.881	2.820	7.9	19.9
11 17	2 1.10	− 4 35.4	1.929	2.816	10.8	20.1
11 27	1 55.97	− 4 29.2	2.001	2.813	13.6	20.2
12 7	1 52.90	− 4 3.3	2.092	2.809	16.0	20.4

171653 2000 GV_{60} 10 29.2 284°.45 0°.7/28.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 37.71	+13 8.9	1.825	2.699	12.7	20.3
10 8	2 32.07	+12 44.6	1.749	2.688	9.0	20.1
10 18	2 24.42	+12 12.1	1.697	2.676	4.9	19.8
10 28	2 15.58	+11 34.8	1.672	2.665	0.8	19.5
11 7	2 6.57	+10 57.6	1.675	2.653	4.3	19.7
11 17	1 58.46	+10 25.7	1.706	2.642	8.6	20.0
11 27	1 52.17	+10 3.8	1.763	2.631	12.5	20.2
12 7	1 48.29	+ 9 55.2	1.841	2.619	15.8	20.4

6395 Hilliard 10 29.2 352°.22 0°.3/29.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 34.10	+16 17.5	1.061	1.960	17.6	16.4
10 8	2 30.43	+15 52.3	1.002	1.952	12.7	16.1
10 18	2 23.86	+15 10.1	0.963	1.945	7.0	15.8
10 28	2 15.52	+14 16.1	0.946	1.940	0.9	15.4
11 7	2 7.03	+13 18.6	0.953	1.936	5.4	15.7
11 17	1 59.99	+12 27.3	0.983	1.934	11.3	16.0
11 27	1 55.68	+11 50.8	1.034	1.933	16.5	16.3
12 7	1 54.77	+11 34.1	1.102	1.934	20.8	16.6

187005 2004 TC_{127} 10 29.2 55°.41 1°.6/27.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 37.15	+11 8.3	1.813	2.692	12.5	19.9
10 8	2 31.32	+10 29.5	1.774	2.715	8.7	19.7
10 18	2 23.80	+ 9 45.4	1.758	2.739	4.6	19.5
10 28	2 15.49	+ 9 0.6	1.771	2.762	1.6	19.4
11 7	2 7.38	+ 8 20.3	1.811	2.786	4.6	19.6
11 17	2 0.36	+ 7 49.2	1.880	2.810	8.4	19.9
11 27	1 55.16	+ 7 30.6	1.974	2.834	11.7	20.2
12 7	1 52.17	+ 7 25.9	2.089	2.858	14.5	20.4

115179 2003 SX_{89} 10 29.2 122°.03 6°.9/ 3.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 43.71	+33 25.0	1.938	2.729	15.4	19.6
10 8	2 36.45	+34 2.3	1.872	2.739	12.6	19.4
10 18	2 26.83	+34 17.4	1.826	2.748	9.7	19.2
10 28	2 15.84	+34 8.1	1.806	2.756	7.4	19.1
11 7	2 4.75	+33 35.6	1.813	2.765	7.0	19.1
11 17	1 54.86	+32 45.2	1.847	2.773	8.8	19.2
11 27	1 47.20	+31 44.9	1.907	2.781	11.4	19.4
12 7	1 42.39	+30 43.4	1.990	2.789	14.1	19.6

94683 2001 XB_{25} 10 29.2 347°.79 9°.5/25.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 28	2 40.42	− 6 17.0	1.145	2.040	16.9	17.9
10 8	2 34.66	− 6 44.5	1.093	2.030	13.3	17.7
10 18	2 26.04	− 6 56.4	1.061	2.022	10.3	17.5
10 28	2 15.76	− 6 43.9	1.052	2.014	9.7	17.5
11 7	2 5.40	− 6 1.8	1.065	2.008	11.9	17.6
11 17	1 56.54	− 4 49.9	1.101	2.004	15.6	17.8
11 27	1 50.40	− 3 12.0	1.157	2.000	19.4	18.0
12 7	1 47.61	− 1 14.4	1.231	1.999	22.7	18.2

378178 2006 WG_{171} 10 29.2 302°.60 0°.3/28.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 38.21	+15 4.0	1.348	2.232	15.6	21.3
10 8	2 33.04	+14 31.3	1.273	2.216	11.3	21.0
10 18	2 25.20	+13 44.8	1.220	2.201	6.2	20.7
10 28	2 15.68	+12 48.8	1.192	2.185	0.7	20.3
11 7	2 5.87	+11 50.5	1.190	2.170	5.2	20.6
11 17	1 57.23	+10 58.2	1.213	2.155	10.6	20.9
11 27	1 51.00	+10 19.6	1.259	2.141	15.5	21.1
12 7	1 47.89	+ 9 59.5	1.325	2.127	19.6	21.3

260721 2005 KL_{1} 10 29.2 255°.84 2°.2/27.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 37.04	+ 9 39.4	1.955	2.833	11.8	21.1
10 8	2 31.44	+ 8 53.2	1.880	2.822	8.3	20.9
10 18	2 24.03	+ 8 1.3	1.831	2.810	4.6	20.7
10 28	2 15.55	+ 7 8.4	1.809	2.799	2.2	20.5
11 7	2 6.95	+ 6 20.2	1.816	2.787	5.0	20.6
11 17	1 59.19	+ 5 41.9	1.851	2.775	8.9	20.9
11 27	1 53.11	+ 5 17.5	1.911	2.763	12.5	21.1
12 7	1 49.23	+ 5 9.0	1.993	2.751	15.5	21.2

487307 2014 QZ_{88} 10 29.2 62°.96 1°.8/30.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 36.24	+21 30.1	2.008	2.859	12.7	21.1
10 8	2 30.71	+20 59.4	1.953	2.876	9.3	21.0
10 18	2 23.51	+20 14.8	1.923	2.892	5.6	20.8
10 28	2 15.48	+19 19.1	1.920	2.909	2.2	20.6
11 7	2 7.55	+18 17.4	1.945	2.926	3.4	20.7
11 17	2 0.62	+17 15.5	2.000	2.943	7.0	21.0
11 27	1 55.42	+16 19.4	2.081	2.960	10.3	21.2
12 7	1 52.36	+15 33.7	2.185	2.977	13.2	21.4

458624 2011 FZ_{131} 10 29.2 289°.70 5°.2/ 2.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 40.38	+29 20.5	2.325	3.130	12.7	21.4
10 8	2 33.98	+30 0.5	2.229	3.111	10.2	21.2
10 18	2 25.54	+30 25.4	2.156	3.091	7.6	21.0
10 28	2 15.73	+30 33.2	2.109	3.071	5.6	20.8
11 7	2 5.54	+30 24.2	2.091	3.052	5.5	20.8
11 17	1 56.02	+30 1.2	2.102	3.032	7.6	20.9
11 27	1 48.17	+29 29.4	2.139	3.012	10.4	21.0
12 7	1 42.64	+28 55.1	2.200	2.992	13.1	21.2

239416 2007 TY_{91} 10 29.2 46°.78 1°.2/28.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 40.56	+11 57.4	1.340	2.226	15.6	19.9
10 8	2 34.12	+11 36.2	1.306	2.251	10.9	19.7
10 18	2 25.43	+11 7.6	1.295	2.276	5.8	19.5
10 28	2 15.68	+10 36.5	1.309	2.302	1.2	19.3
11 7	2 6.26	+10 8.7	1.350	2.329	5.1	19.6
11 17	1 58.38	+ 9 49.5	1.417	2.355	9.8	20.0
11 27	1 52.93	+ 9 42.8	1.508	2.382	13.8	20.3
12 7	1 50.30	+ 9 50.3	1.618	2.410	17.1	20.6

446042 2013 CU_{105} 10 29.2 130°.06 0°.1/29.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 37.56	+14 56.9	1.921	2.790	12.4	22.0
10 8	2 31.78	+14 29.9	1.856	2.792	8.8	21.8
10 18	2 24.18	+13 53.8	1.815	2.793	4.8	21.5
10 28	2 15.57	+13 11.7	1.802	2.795	0.5	21.2
11 7	2 6.94	+12 28.7	1.818	2.797	3.8	21.5
11 17	1 59.26	+11 49.7	1.861	2.799	7.9	21.7
11 27	1 53.34	+11 19.6	1.931	2.800	11.5	22.0
12 7	1 49.68	+11 1.7	2.023	2.802	14.6	22.2

331223 2011 BH_{68} 10 29.2 222°.51 0°.9/28.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 35.51	+11 53.2	2.503	3.370	9.9	21.6
10 8	2 30.02	+11 26.8	2.429	3.366	7.0	21.4
10 18	2 23.14	+10 55.2	2.382	3.361	3.7	21.2
10 28	2 15.46	+10 21.2	2.363	3.356	0.9	20.9
11 7	2 7.73	+ 9 48.5	2.375	3.351	3.5	21.1
11 17	2 0.66	+ 9 20.7	2.416	3.345	6.8	21.3
11 27	1 54.92	+ 9 1.0	2.484	3.340	9.8	21.5
12 7	1 50.93	+ 8 51.6	2.575	3.334	12.3	21.7

440157 2003 WM_{26} 10 29.2 13°.24 16°.4/20.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 27.80	+58 49.2	1.028	1.738	30.6	18.9
10 8	2 27.19	+58 25.3	0.978	1.749	28.1	18.7
10 18	2 22.31	+56 54.7	0.936	1.764	25.0	18.5
10 28	2 15.35	+54 9.6	0.908	1.781	21.5	18.4
11 7	2 8.95	+50 13.7	0.896	1.801	18.4	18.3
11 17	2 5.09	+45 24.5	0.907	1.823	16.6	18.3
11 27	2 4.80	+40 11.7	0.941	1.848	16.9	18.4
12 7	2 8.10	+35 7.3	1.001	1.876	19.0	18.6

454385 2014 MH_{63} 10 29.2 53°.21 6°.8/23.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 28	2 35.95	− 4 53.2	1.939	2.819	11.8	20.9
10 8	2 30.43	− 5 56.0	1.902	2.831	9.1	20.8
10 18	2 23.35	− 6 50.2	1.891	2.844	7.2	20.7
10 28	2 15.50	− 7 29.4	1.906	2.857	7.0	20.7
11 7	2 7.79	− 7 49.1	1.947	2.870	8.8	20.8
11 17	2 1.06	− 7 47.5	2.014	2.884	11.2	21.0
11 27	1 55.97	− 7 24.7	2.104	2.897	13.7	21.2
12 7	1 52.94	− 6 43.2	2.213	2.911	15.8	21.4

294828 2008 CC_{142} 10 29.2 125°.23 0°.7/28.7 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 41.20	+14 17.2	1.703	2.573	13.7	21.6
10 8	2 34.39	+13 34.0	1.651	2.587	9.6	21.4
10 18	2 25.58	+12 41.0	1.622	2.601	5.1	21.2
10 28	2 15.75	+11 42.9	1.621	2.615	0.8	20.9
11 7	2 6.06	+10 46.1	1.649	2.627	4.4	21.2
11 17	1 57.59	+ 9 56.8	1.705	2.639	8.8	21.5
11 27	1 51.19	+ 9 20.0	1.787	2.651	12.6	21.7
12 7	1 47.33	+ 8 58.7	1.890	2.662	15.7	22.0

211792 2004 CF_{68} 10 29.2 323°.25 0°.4/29.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 37.86	+16 4.2	1.739	2.610	13.4	20.2
10 8	2 32.23	+15 47.2	1.670	2.605	9.6	19.9
10 18	2 24.55	+15 19.4	1.624	2.602	5.3	19.7
10 28	2 15.67	+14 43.7	1.605	2.598	0.8	19.3
11 7	2 6.68	+14 4.8	1.613	2.594	4.0	19.6
11 17	1 58.70	+13 28.4	1.650	2.591	8.4	19.8
11 27	1 52.65	+12 59.8	1.711	2.588	12.4	20.1
12 7	1 49.10	+12 43.0	1.794	2.585	15.7	20.3

269243 Charbonnel 10 29.2 323°.09 0°.6/28.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 34.46	+13 41.7	2.000	2.875	11.7	20.4
10 8	2 29.63	+13 9.5	1.924	2.863	8.3	20.2
10 18	2 23.08	+12 28.9	1.872	2.852	4.5	19.9
10 28	2 15.51	+11 43.5	1.848	2.842	0.7	19.6
11 7	2 7.82	+10 58.3	1.853	2.831	3.9	19.9
11 17	2 0.92	+10 18.1	1.885	2.821	7.9	20.1
11 27	1 55.61	+ 9 47.9	1.943	2.811	11.5	20.3
12 7	1 52.41	+ 9 30.5	2.023	2.802	14.5	20.5

415570 2014 QG_{261} 10 29.2 100°.54 2°.2/31.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 40.97	+20 37.9	2.400	3.238	11.3	21.0
10 8	2 33.91	+20 56.1	2.340	3.255	8.4	20.8
10 18	2 25.25	+21 3.9	2.306	3.271	5.2	20.6
10 28	2 15.75	+21 1.8	2.301	3.288	2.4	20.5
11 7	2 6.26	+20 51.8	2.326	3.304	3.3	20.6
11 17	1 57.65	+20 37.3	2.381	3.319	6.3	20.8
11 27	1 50.63	+20 22.2	2.464	3.335	9.3	21.0
12 7	1 45.67	+20 10.4	2.571	3.350	11.8	21.2

391610 2007 UU_{134} 10 29.2 105°.50 2°.7/27.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 39.49	+ 7 5.7	1.890	2.768	12.1	20.9
10 8	2 33.05	+ 6 37.7	1.837	2.778	8.6	20.7
10 18	2 24.84	+ 6 7.9	1.810	2.788	4.8	20.5
10 28	2 15.71	+ 5 40.5	1.810	2.797	2.7	20.4
11 7	2 6.65	+ 5 20.0	1.838	2.807	5.3	20.6
11 17	1 58.61	+ 5 9.8	1.895	2.816	8.9	20.8
11 27	1 52.38	+ 5 12.5	1.977	2.825	12.2	21.1
12 7	1 48.41	+ 5 28.6	2.080	2.834	15.0	21.3

40050 1998 KP_{37} 10 29.2 256°.96 2°.4/27.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 37.38	+ 9 45.5	1.743	2.625	12.8	18.8
10 8	2 31.84	+ 8 52.1	1.676	2.619	9.0	18.5
10 18	2 24.32	+ 7 52.3	1.633	2.613	4.9	18.3
10 28	2 15.67	+ 6 51.8	1.618	2.607	2.4	18.1
11 7	2 6.96	+ 5 57.1	1.630	2.601	5.5	18.3
11 17	1 59.22	+ 5 14.2	1.670	2.595	9.6	18.5
11 27	1 53.34	+ 4 47.4	1.734	2.589	13.4	18.7
12 7	1 49.87	+ 4 38.7	1.819	2.582	16.5	18.9

150127 1994 SD_{9} 10 29.2 64°.83 0°.5/28.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 36.53	+14 5.4	1.963	2.834	12.0	20.6
10 8	2 30.95	+13 32.9	1.908	2.845	8.5	20.4
10 18	2 23.71	+12 52.3	1.877	2.857	4.5	20.1
10 28	2 15.60	+12 7.6	1.875	2.868	0.6	19.9
11 7	2 7.55	+11 23.4	1.901	2.880	3.8	20.1
11 17	2 0.46	+10 44.8	1.955	2.891	7.7	20.4
11 27	1 55.06	+10 15.9	2.036	2.903	11.1	20.6
12 7	1 51.80	+ 9 59.5	2.138	2.914	14.0	20.9

287373 2002 UG_{77} 10 29.2 204°.95 1°.8/28.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 41.95	+ 9 54.0	1.588	2.467	14.0	20.6
10 8	2 35.23	+ 9 35.2	1.524	2.465	9.9	20.3
10 18	2 26.22	+ 9 11.3	1.483	2.463	5.4	20.1
10 28	2 15.89	+ 8 46.2	1.469	2.461	1.8	19.8
11 7	2 5.48	+ 8 25.1	1.484	2.459	5.3	20.0
11 17	1 56.23	+ 8 12.5	1.525	2.456	9.8	20.3
11 27	1 49.16	+ 8 12.3	1.591	2.454	13.9	20.6
12 7	1 44.85	+ 8 26.3	1.677	2.451	17.3	20.8

15389 Geflorsch 10 29.2 77°.59 1°.7/28.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 28	2 41.76	+11 9.2	1.483	2.363	14.7	18.8
10 8	2 34.89	+10 37.1	1.442	2.384	10.3	18.6
10 18	2 25.88	+ 9 58.5	1.425	2.405	5.5	18.4
10 28	2 15.83	+ 9 18.6	1.434	2.426	1.7	18.2
11 7	2 6.03	+ 8 43.3	1.471	2.447	5.2	18.5
11 17	1 57.64	+ 8 17.8	1.534	2.467	9.7	18.8
11 27	1 51.55	+ 8 6.1	1.622	2.487	13.6	19.1
12 7	1 48.19	+ 8 9.5	1.730	2.507	16.7	19.4

7487 Toshitanaka 10 29.2 350°.50 9°.8/23.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 37.26	− 8 8.1	1.383	2.271	15.0	15.8
10 8	2 32.03	− 9 10.4	1.336	2.265	12.2	15.6
10 18	2 24.50	− 9 58.5	1.310	2.259	10.2	15.5
10 28	2 15.70	−10 23.1	1.308	2.255	10.1	15.5
11 7	2 6.92	−10 18.3	1.330	2.251	12.1	15.6
11 17	1 59.38	− 9 42.5	1.374	2.248	15.1	15.8
11 27	1 54.06	− 8 37.9	1.438	2.247	18.1	16.0
12 7	1 51.52	− 7 9.9	1.519	2.246	20.7	16.2

275221 2009 WN_{196} 10 29.2 320°.89 1°.2/28.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 34.94	+11 43.1	1.961	2.839	11.7	20.8
10 8	2 30.02	+11 13.1	1.884	2.826	8.3	20.6
10 18	2 23.33	+10 36.3	1.832	2.813	4.5	20.4
10 28	2 15.58	+ 9 56.7	1.807	2.800	1.2	20.1
11 7	2 7.69	+ 9 19.0	1.811	2.787	4.3	20.3
11 17	2 0.59	+ 8 48.0	1.842	2.775	8.3	20.5
11 27	1 55.10	+ 8 27.8	1.899	2.764	11.9	20.7
12 7	1 51.78	+ 8 21.0	1.977	2.752	15.0	20.9

66536 1999 RD_{113} 10 29.2 86°.67 3°.9/26.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 38.93	+ 5 29.4	1.655	2.541	13.1	18.8
10 8	2 32.80	+ 4 37.1	1.609	2.553	9.3	18.6
10 18	2 24.75	+ 3 43.9	1.587	2.564	5.5	18.4
10 28	2 15.72	+ 2 56.1	1.592	2.576	3.9	18.3
11 7	2 6.83	+ 2 19.7	1.625	2.588	6.6	18.5
11 17	1 59.09	+ 1 59.0	1.684	2.599	10.3	18.8
11 27	1 53.34	+ 1 56.4	1.767	2.610	13.7	19.0
12 7	1 50.02	+ 2 11.5	1.870	2.622	16.5	19.2

139605 2001 QH_{127} 10 29.2 89°.48 2°.2/31.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 38.60	+22 32.0	1.947	2.792	13.3	19.9
10 8	2 32.44	+22 3.3	1.893	2.811	9.8	19.8
10 18	2 24.52	+21 19.3	1.862	2.829	6.0	19.6
10 28	2 15.71	+20 22.7	1.859	2.847	2.6	19.4
11 7	2 7.03	+19 18.6	1.885	2.865	3.6	19.5
11 17	1 59.44	+18 13.4	1.940	2.883	7.2	19.8
11 27	1 53.70	+17 13.5	2.021	2.900	10.6	20.0
12 7	1 50.25	+16 24.0	2.125	2.917	13.5	20.2

298649 2004 BA_{107} 10 29.2 294°.91 1°.5/28.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 37.71	+11 10.9	1.738	2.618	12.9	20.8
10 8	2 32.23	+10 41.6	1.659	2.601	9.2	20.6
10 18	2 24.64	+10 5.2	1.603	2.584	5.0	20.3
10 28	2 15.75	+ 9 25.8	1.574	2.567	1.5	20.0
11 7	2 6.64	+ 8 48.8	1.574	2.550	4.9	20.2
11 17	1 58.40	+ 8 19.6	1.600	2.533	9.3	20.5
11 27	1 52.05	+ 8 2.9	1.651	2.516	13.4	20.7
12 7	1 48.19	+ 8 1.4	1.723	2.500	16.8	20.9

46376 2001 XD_3 10 29.2 79°.33 13°.7/ 9.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 46.00	+46 2.9	1.145	1.909	25.3	17.6
10 8	2 39.58	+46 27.7	1.090	1.920	22.2	17.4
10 18	2 29.05	+46 4.3	1.049	1.931	18.7	17.2
10 28	2 16.22	+44 45.4	1.025	1.942	15.6	17.0
11 7	2 3.63	+42 33.5	1.022	1.953	13.8	17.0
11 17	1 53.59	+39 42.3	1.042	1.965	14.3	17.1
11 27	1 47.60	+36 33.5	1.084	1.976	16.6	17.2
12 7	1 46.07	+33 29.0	1.147	1.986	19.7	17.5

102702 1999 VY_{86} 10 29.2 343°.30 8°.5/22.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 32.44	− 1 7.1	1.261	2.167	14.8	18.3
10 8	2 28.81	− 3 4.1	1.209	2.156	11.3	18.1
10 18	2 22.86	− 4 57.4	1.179	2.145	8.8	17.9
10 28	2 15.55	− 6 34.2	1.174	2.136	9.0	17.9
11 7	2 8.17	− 7 43.5	1.192	2.127	11.8	18.0
11 17	2 1.95	− 8 18.7	1.232	2.120	15.4	18.2
11 27	1 57.94	− 8 18.5	1.291	2.114	19.0	18.4
12 7	1 56.71	− 7 46.1	1.366	2.110	21.9	18.7

117975 1131 T-$_1$ 10 29.2 157°.44 0°.8/29.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 42.29	+17 59.9	1.777	2.635	13.8	20.7
10 8	2 35.27	+17 32.2	1.714	2.642	9.9	20.5
10 18	2 26.15	+16 51.5	1.674	2.649	5.6	20.3
10 28	2 15.91	+16 1.0	1.663	2.655	1.2	20.0
11 7	2 5.69	+15 6.0	1.680	2.661	3.9	20.2
11 17	1 56.63	+14 12.8	1.726	2.666	8.3	20.5
11 27	1 49.64	+13 27.7	1.799	2.670	12.2	20.7
12 7	1 45.24	+12 55.3	1.893	2.673	15.4	21.0

14846 Lampedusa 10 29.2 252°.69 6°.2/24.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 40.20	− 0 25.6	1.707	2.589	13.0	17.9
10 8	2 33.94	− 1 28.3	1.638	2.574	9.7	17.7
10 18	2 25.54	− 2 28.0	1.592	2.559	6.9	17.5
10 28	2 15.86	− 3 17.1	1.574	2.543	6.4	17.4
11 7	2 6.00	− 3 48.8	1.583	2.526	8.7	17.5
11 17	1 57.12	− 3 58.9	1.617	2.509	12.2	17.7
11 27	1 50.18	− 3 45.7	1.675	2.492	15.6	17.9
12 7	1 45.79	− 3 10.6	1.751	2.474	18.5	18.0

278447 Saviano 10 29.2 329°.65 4°.2/24.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 33.47	+ 0 50.3	2.459	3.339	9.6	20.5
10 8	2 28.58	− 0 1.7	2.400	3.337	7.0	20.3
10 18	2 22.40	− 0 51.6	2.367	3.334	4.8	20.2
10 28	2 15.50	− 1 34.4	2.362	3.332	4.4	20.2
11 7	2 8.60	− 2 6.3	2.386	3.330	6.1	20.3
11 17	2 2.37	− 2 24.1	2.437	3.328	8.6	20.4
11 27	1 57.40	− 2 26.3	2.514	3.327	11.1	20.6
12 7	1 54.11	− 2 13.1	2.611	3.325	13.2	20.8

264287 1998 QT_{99} 10 29.2 62°.01 3°.6/27.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 41.62	+ 7 50.4	1.250	2.143	16.0	19.4
10 8	2 34.93	+ 6 54.7	1.221	2.168	11.2	19.2
10 18	2 25.93	+ 5 56.2	1.214	2.194	6.3	19.0
10 28	2 15.88	+ 5 2.7	1.232	2.220	3.7	18.9
11 7	2 6.23	+ 4 21.6	1.276	2.246	6.9	19.2
11 17	1 58.24	+ 3 58.0	1.346	2.272	11.4	19.5
11 27	1 52.78	+ 3 54.5	1.438	2.298	15.3	19.8
12 7	1 50.25	+ 4 10.4	1.548	2.323	18.5	20.1

513546 2010 LZ_{14} 10 29.2 230°.75 3°.5/25.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 36.60	+ 6 50.6	2.065	2.945	11.2	21.7
10 8	2 31.06	+ 5 29.9	1.993	2.934	7.9	21.5
10 18	2 23.85	+ 4 4.8	1.947	2.924	4.7	21.3
10 28	2 15.67	+ 2 41.7	1.930	2.913	3.6	21.2
11 7	2 7.42	+ 1 27.4	1.943	2.901	6.1	21.3
11 17	1 59.97	+ 0 27.7	1.983	2.889	9.5	21.5
11 27	1 54.09	− 0 13.4	2.049	2.877	12.7	21.7
12 7	1 50.27	− 0 34.6	2.136	2.864	15.4	21.9

3822 Segovia 10 29.2 131°.19 1°.5/30.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 42.68	+19 6.5	1.572	2.433	15.1	17.6
10 8	2 35.75	+18 50.0	1.514	2.443	11.0	17.3
10 18	2 26.49	+18 18.7	1.478	2.452	6.4	17.1
10 28	2 15.96	+17 35.2	1.469	2.461	1.9	16.8
11 7	2 5.49	+16 44.9	1.488	2.469	4.2	17.0
11 17	1 56.33	+15 54.8	1.534	2.477	8.8	17.3
11 27	1 49.49	+15 11.9	1.606	2.485	12.9	17.6
12 7	1 45.50	+14 41.2	1.699	2.492	16.4	17.8

480457 2015 LB_1 10 29.2 53°.11 5°.4/24.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 36.45	+ 5 22.2	1.387	2.284	14.4	20.6
10 8	2 31.17	+ 3 27.6	1.356	2.304	10.2	20.4
10 18	2 23.88	+ 1 32.9	1.349	2.326	6.5	20.3
10 28	2 15.66	− 0 11.1	1.369	2.347	5.6	20.3
11 7	2 7.72	− 1 34.8	1.415	2.369	8.5	20.5
11 17	2 1.13	− 2 32.2	1.486	2.391	12.2	20.8
11 27	1 56.69	− 3 1.3	1.579	2.413	15.5	21.1
12 7	1 54.77	− 3 3.8	1.691	2.435	18.3	21.3

517769 2015 OD_{87} 10 29.2 239°.88 2°.3/27.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 37.77	+ 8 47.0	1.956	2.834	11.8	22.0
10 8	2 31.97	+ 8 7.2	1.886	2.827	8.3	21.8
10 18	2 24.37	+ 7 23.0	1.841	2.820	4.6	21.6
10 28	2 15.73	+ 6 39.0	1.824	2.813	2.3	21.4
11 7	2 7.01	+ 6 0.4	1.835	2.806	5.1	21.6
11 17	1 59.16	+ 5 31.7	1.875	2.798	8.9	21.8
11 27	1 52.99	+ 5 16.6	1.940	2.790	12.3	22.0
12 7	1 49.03	+ 5 16.6	2.026	2.782	15.3	22.2

34834 2001 SF_{243} 10 29.2 168°.28 1°.6/27.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 32.84	+10 43.2	2.650	3.522	9.3	19.5
10 8	2 28.08	+ 9 40.6	2.583	3.523	6.5	19.3
10 18	2 22.11	+ 8 32.9	2.544	3.524	3.5	19.1
10 28	2 15.49	+ 7 24.5	2.534	3.524	1.6	19.0
11 7	2 8.88	+ 6 19.9	2.555	3.525	3.9	19.1
11 17	2 2.90	+ 5 23.5	2.605	3.525	6.8	19.3
11 27	1 58.12	+ 4 38.8	2.683	3.526	9.6	19.5
12 7	1 54.90	+ 4 7.7	2.783	3.526	11.8	19.7

150347 1999 YZ_7 10 29.2 308°.13 1°.3/28.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 38.79	+12 38.2	1.319	2.208	15.6	20.4
10 8	2 33.51	+12 7.4	1.248	2.194	11.2	20.1
10 18	2 25.54	+11 25.9	1.199	2.181	6.0	19.8
10 28	2 15.89	+10 38.7	1.175	2.168	1.3	19.4
11 7	2 5.99	+ 9 52.9	1.176	2.155	5.6	19.7
11 17	1 57.28	+ 9 15.9	1.203	2.142	11.0	19.9
11 27	1 51.01	+ 8 54.2	1.252	2.130	15.8	20.2
12 7	1 47.89	+ 8 51.1	1.320	2.119	19.8	20.4

2020	α_{2000}	δ_{2000}	Δ	r	β	V
123950 2001 FJ_3		10 29.2 253°.54	2°.0/27.2 17			
	h m	° ′			°	m
9 28	2 34.95	+ 9 2.8	2.396	3.271	10.0	20.2
10 8	2 29.75	+ 8 16.6	2.320	3.259	7.1	20.0
10 18	2 23.10	+ 7 26.1	2.269	3.248	3.9	19.8
10 28	2 15.62	+ 6 35.3	2.248	3.236	2.0	19.6
11 7	2 8.05	+ 5 48.9	2.256	3.225	4.4	19.8
11 17	2 1.14	+ 5 11.1	2.293	3.213	7.7	20.0
11 27	1 55.57	+ 4 45.1	2.356	3.201	10.7	20.2
12 7	1 51.79	+ 4 32.8	2.442	3.188	13.2	20.3
72359 2001 BX_{76}		10 29.2 148°.56	0°.3/29.6 18			
9 28	2 35.95	+16 26.8	2.565	3.421	10.1	19.7
10 8	2 30.33	+16 2.0	2.498	3.427	7.2	19.5
10 18	2 23.35	+15 29.2	2.456	3.432	4.0	19.3
10 28	2 15.65	+14 50.9	2.444	3.437	0.6	19.0
11 7	2 7.94	+14 10.4	2.462	3.442	2.9	19.2
11 17	2 0.95	+13 31.8	2.510	3.447	6.2	19.5
11 27	1 55.29	+12 58.8	2.585	3.451	9.1	19.7
12 7	1 51.38	+12 34.4	2.685	3.455	11.6	19.8
23141 2000 AB_{163}		10 29.2 104°.14	4°.9/24.9 18			
9 28	2 36.08	− 0 37.7	2.237	3.116	10.5	17.9
10 8	2 30.48	− 1 25.5	2.186	3.121	7.8	17.7
10 18	2 23.44	− 2 9.3	2.161	3.126	5.5	17.6
10 28	2 15.66	− 2 44.2	2.164	3.131	5.0	17.6
11 7	2 7.92	− 3 5.9	2.195	3.136	6.8	17.7
11 17	2 0.98	− 3 11.9	2.253	3.141	9.4	17.9
11 27	1 55.50	− 3 1.3	2.336	3.146	11.9	18.1
12 7	1 51.89	− 2 34.9	2.440	3.151	14.1	18.2
262897 2007 CA_{30}		10 29.2 122°.96	2°.4/26.9 18			
9 28	2 36.15	+ 7 30.7	2.402	3.275	10.0	21.5
10 8	2 30.44	+ 6 46.0	2.348	3.287	7.0	21.4
10 18	2 23.39	+ 5 59.2	2.321	3.299	4.0	21.2
10 28	2 15.65	+ 5 14.3	2.323	3.310	2.4	21.1
11 7	2 7.98	+ 4 35.5	2.355	3.321	4.6	21.3
11 17	2 1.09	+ 4 6.4	2.416	3.331	7.5	21.5
11 27	1 55.58	+ 3 49.4	2.503	3.342	10.3	21.7
12 7	1 51.84	+ 3 45.6	2.613	3.352	12.6	21.9
66547 1999 RG_{124}		10 29.2 26°.80	6°.7/ 3.1 18			
9 28	2 39.60	+30 28.8	1.439	2.270	17.8	17.9
10 8	2 34.02	+30 51.3	1.380	2.277	14.3	17.7
10 18	2 25.75	+30 48.0	1.340	2.284	10.5	17.5
10 28	2 15.93	+30 17.4	1.324	2.292	7.4	17.3
11 7	2 6.06	+29 23.0	1.332	2.300	7.0	17.4
11 17	1 57.62	+28 12.8	1.366	2.309	9.6	17.5
11 27	1 51.77	+26 57.3	1.424	2.318	13.2	17.8
12 7	1 49.11	+25 46.6	1.503	2.328	16.5	18.0
181593 2006 VZ_{149}		10 29.2 208°.13	1°.9/27.8 18			
9 28	2 37.91	+ 9 18.4	1.959	2.835	11.8	20.2
10 8	2 32.04	+ 8 50.1	1.894	2.835	8.3	20.0
10 18	2 24.40	+ 8 17.8	1.855	2.834	4.6	19.8
10 28	2 15.78	+ 7 45.3	1.843	2.834	1.9	19.6
11 7	2 7.13	+ 7 17.3	1.860	2.833	4.7	19.8
11 17	1 59.37	+ 6 57.8	1.906	2.833	8.5	20.0
11 27	1 53.31	+ 6 50.0	1.976	2.832	11.9	20.3
12 7	1 49.45	+ 6 55.5	2.069	2.831	14.8	20.5
454040 2012 FE_{48}		10 29.2 66°.06	3°.8/25.6 18			
9 28	2 34.48	+ 4 14.2	2.139	3.022	10.7	21.2
10 8	2 29.41	+ 3 9.6	2.086	3.028	7.6	21.0
10 18	2 22.89	+ 2 4.9	2.060	3.034	4.8	20.9
10 28	2 15.61	+ 1 5.5	2.061	3.040	3.9	20.8
11 7	2 8.37	+ 0 17.0	2.091	3.046	6.0	21.0
11 17	2 1.94	− 0 16.9	2.149	3.052	9.0	21.2
11 27	1 56.99	− 0 33.8	2.231	3.058	11.8	21.4
12 7	1 53.92	− 0 33.5	2.335	3.064	14.2	21.6
67250 2000 EH_{97}		10 29.2 231°.74	3°.5/ 1.7 18			
9 28	2 37.50	+26 37.7	2.597	3.414	11.2	19.3
10 8	2 31.63	+26 46.8	2.513	3.408	8.7	19.2
10 18	2 24.16	+26 42.4	2.454	3.402	6.1	19.0
10 28	2 15.76	+26 24.6	2.422	3.396	3.9	18.8
11 7	2 7.23	+25 55.1	2.419	3.390	4.0	18.8
11 17	1 59.38	+25 17.5	2.446	3.384	6.2	19.0
11 27	1 52.96	+24 36.7	2.501	3.377	8.9	19.1
12 7	1 48.46	+23 57.6	2.580	3.371	11.4	19.3
152375 2005 UW_{173}		10 29.2 54°.53	0°.5/29.7 18			
9 28	2 36.93	+16 52.4	1.921	2.786	12.5	20.7
10 8	2 31.37	+16 29.2	1.861	2.794	9.0	20.5
10 18	2 24.04	+15 55.4	1.825	2.801	5.0	20.3
10 28	2 15.74	+15 14.1	1.816	2.809	0.9	20.0
11 7	2 7.47	+14 30.1	1.836	2.816	3.6	20.2
11 17	2 0.16	+13 48.4	1.884	2.824	7.6	20.5
11 27	1 54.61	+13 14.2	1.958	2.832	11.1	20.7
12 7	1 51.29	+12 51.0	2.054	2.841	14.1	20.9

2020	α_{2000}	δ_{2000}	Δ	r	β	V
205206 2000 GU_{30}		10 29.2 174°.70	0°.7/29.8 18			
	h m	° ′			°	m
9 28	2 38.97	+16 54.2	2.139	2.996	11.8	20.6
10 8	2 32.74	+16 40.6	2.069	2.997	8.5	20.4
10 18	2 24.77	+16 17.4	2.024	2.999	4.8	20.2
10 28	2 15.84	+15 46.8	2.007	3.000	1.0	20.0
11 7	2 6.85	+15 12.6	2.020	3.000	3.4	20.1
11 17	1 58.73	+14 39.1	2.062	3.000	7.2	20.4
11 27	1 52.26	+14 11.0	2.131	3.000	10.6	20.6
12 7	1 47.93	+13 51.8	2.222	3.000	13.5	20.8
287879 2003 SU_{319}		10 29.2 338°.23	3°.2/27.4 18			
9 28	2 36.04	+ 8 7.0	1.283	2.182	15.2	19.9
10 8	2 31.54	+ 7 35.2	1.217	2.168	10.8	19.6
10 18	2 24.48	+ 6 58.5	1.172	2.154	6.1	19.3
10 28	2 15.83	+ 6 23.2	1.152	2.141	3.2	19.1
11 7	2 6.95	+ 5 56.3	1.156	2.130	6.7	19.3
11 17	1 59.25	+ 5 43.7	1.185	2.120	11.7	19.5
11 27	1 53.89	+ 5 49.6	1.235	2.110	16.2	19.8
12 7	1 51.56	+ 6 14.9	1.304	2.103	20.1	20.0
153651 2001 TT_{102}		10 29.2 138°.45	1°.7/30.4 18			
9 28	2 41.94	+19 4.4	1.692	2.550	14.3	20.3
10 8	2 35.20	+19 0.8	1.629	2.556	10.5	20.1
10 18	2 26.23	+18 43.7	1.589	2.561	6.2	19.8
10 28	2 16.02	+18 15.0	1.576	2.566	2.1	19.6
11 7	2 5.77	+17 38.9	1.590	2.571	4.0	19.7
11 17	1 56.69	+17 1.2	1.633	2.576	8.3	20.0
11 27	1 49.77	+16 28.0	1.702	2.580	12.3	20.2
12 7	1 45.56	+16 4.5	1.792	2.584	15.6	20.5
339210 2004 TK_{272}		10 29.2 333°.93	2°.1/30.6 18			
9 28	2 36.94	+20 7.2	1.366	2.240	16.1	19.9
10 8	2 32.19	+19 55.2	1.294	2.229	12.0	19.6
10 18	2 24.84	+19 25.4	1.244	2.219	7.2	19.3
10 28	2 15.87	+18 39.9	1.219	2.209	2.6	19.0
11 7	2 6.69	+17 44.5	1.218	2.201	4.6	19.1
11 17	1 58.69	+16 47.1	1.244	2.193	9.6	19.4
11 27	1 53.09	+15 56.6	1.292	2.186	14.3	19.7
12 7	1 50.56	+15 19.6	1.361	2.179	18.3	19.9
441797 2009 FQ_{27}		10 29.3 347°.20	7°.1/23.0 18			
9 28	2 34.37	− 0 32.0	1.558	2.454	13.2	20.1
10 8	2 29.82	− 2 19.5	1.508	2.450	10.0	19.9
10 18	2 23.30	− 4 3.6	1.482	2.446	7.5	19.7
10 28	2 15.69	− 5 34.2	1.482	2.443	7.5	19.7
11 7	2 8.08	− 6 42.5	1.507	2.441	9.9	19.9
11 17	2 1.51	− 7 23.2	1.557	2.439	13.2	20.1
11 27	1 56.85	− 7 34.6	1.628	2.437	16.3	20.3
12 7	1 54.61	− 7 18.8	1.716	2.436	18.9	20.5
227688 2006 DN_{16}		10 29.3 308°.19	3°.0/31.7 17			
9 28	2 38.13	+23 18.4	2.171	3.009	12.3	20.7
10 8	2 32.28	+23 29.5	2.094	3.005	9.4	20.5
10 18	2 24.60	+23 27.2	2.041	3.001	6.1	20.3
10 28	2 15.85	+23 12.0	2.014	2.997	3.4	20.1
11 7	2 6.95	+22 46.2	2.017	2.994	3.9	20.2
11 17	1 58.87	+22 13.9	2.048	2.990	7.0	20.4
11 27	1 52.44	+21 40.4	2.106	2.986	10.2	20.5
12 7	1 48.22	+21 10.8	2.188	2.983	13.1	20.7
225166 2008 GF_{119}		10 29.3 163°.59	1°.1/28.4 17			
9 28	2 41.22	+12 28.8	1.792	2.662	13.0	21.5
10 8	2 34.50	+11 54.4	1.730	2.667	9.2	21.2
10 18	2 25.78	+11 12.3	1.692	2.672	4.9	21.0
10 28	2 15.97	+10 26.6	1.683	2.675	1.1	20.7
11 7	2 6.18	+ 9 42.8	1.702	2.679	4.5	21.0
11 17	1 57.46	+ 9 6.2	1.750	2.681	8.8	21.3
11 27	1 50.70	+ 8 41.4	1.823	2.683	12.5	21.5
12 7	1 46.42	+ 8 30.9	1.918	2.685	15.7	21.7
389471 2010 ES_{45}		10 29.3 158°.36	5°.1/ 1.6 18			
9 28	2 45.20	+27 5.1	1.944	2.762	14.4	21.0
10 8	2 37.57	+27 48.9	1.872	2.765	11.3	20.8
10 18	2 27.60	+28 15.9	1.823	2.769	8.0	20.6
10 28	2 16.20	+28 24.3	1.801	2.772	5.5	20.4
11 7	2 4.61	+28 14.8	1.808	2.775	5.6	20.5
11 17	1 54.07	+27 51.6	1.843	2.777	8.2	20.6
11 27	1 45.67	+27 21.0	1.905	2.779	11.4	20.8
12 7	1 40.02	+26 50.3	1.989	2.781	14.3	21.0
516104 2015 UJ_6		10 29.3 19°.49	2°.5/27.4 18			
9 28	2 36.87	+ 8 29.0	1.784	2.667	12.5	20.8
10 8	2 31.41	+ 7 53.2	1.726	2.669	8.8	20.6
10 18	2 24.11	+ 7 13.8	1.692	2.672	4.9	20.4
10 28	2 15.79	+ 6 35.4	1.685	2.674	2.5	20.2
11 7	2 7.48	+ 6 3.4	1.706	2.677	5.3	20.4
11 17	2 0.15	+ 5 42.2	1.755	2.681	9.2	20.7
11 27	1 54.62	+ 5 35.0	1.828	2.684	12.7	20.9
12 7	1 51.39	+ 5 42.8	1.921	2.688	15.6	21.1

271225 2003 TN_{47} 10 29.3 1.°97 4.°2/ 2.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 28	2 36.16	+27 29.7	2.007	2.835	13.6	20.4
10 8	2 30.99	+27 25.4	1.933	2.834	10.6	20.2
10 18	2 23.93	+27 2.9	1.883	2.834	7.4	20.0
10 28	2 15.78	+26 22.7	1.858	2.834	4.6	19.8
11 7	2 7.56	+25 28.3	1.862	2.835	4.6	19.8
11 17	2 0.27	+24 25.2	1.893	2.836	7.3	20.0
11 27	1 54.77	+23 20.7	1.950	2.837	10.5	20.2
12 7	1 51.59	+22 21.4	2.031	2.839	13.5	20.4

227744 2006 HW_{22} 10 29.3 269.°86 1.°5/28.0 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 37.25	+ 9 14.0	2.372	3.243	10.3	20.8
10 8	2 31.43	+ 9 0.5	2.294	3.232	7.3	20.6
10 18	2 24.07	+ 8 43.9	2.242	3.221	4.0	20.4
10 28	2 15.80	+ 8 27.0	2.219	3.210	1.5	20.2
11 7	2 7.41	+ 8 12.9	2.226	3.199	4.0	20.3
11 17	1 59.70	+ 8 4.8	2.261	3.188	7.4	20.5
11 27	1 53.38	+ 8 5.3	2.324	3.177	10.5	20.7
12 7	1 48.95	+ 8 15.9	2.409	3.166	13.1	20.9

273919 2007 HP_{77} 10 29.3 92.°46 2.°1/27.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 39.17	+11 21.4	1.691	2.569	13.3	20.7
10 8	2 32.92	+10 12.1	1.648	2.590	9.3	20.5
10 18	2 24.84	+ 8 56.1	1.630	2.610	5.0	20.3
10 28	2 15.87	+ 7 39.9	1.640	2.630	2.1	20.1
11 7	2 7.13	+ 6 30.7	1.678	2.650	5.3	20.4
11 17	1 59.58	+ 5 34.7	1.744	2.669	9.3	20.7
11 27	1 54.01	+ 4 56.2	1.835	2.688	12.8	20.9
12 7	1 50.83	+ 4 36.4	1.946	2.706	15.7	21.2

18743 1998 YD_{5} 10 29.3 308.°57 9.°1/20.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 34.92	−13 20.5	2.151	3.011	11.6	17.7
10 8	2 29.86	−14 36.5	2.099	2.999	9.9	17.5
10 18	2 23.22	−15 39.4	2.071	2.986	9.1	17.5
10 28	2 15.71	−16 22.3	2.069	2.974	9.5	17.5
11 7	2 8.15	−16 40.5	2.091	2.962	10.9	17.5
11 17	2 1.37	−16 32.2	2.137	2.950	12.9	17.7
11 27	1 56.09	−15 58.2	2.204	2.939	14.9	17.8
12 7	1 52.78	−15 1.7	2.288	2.927	16.7	17.9

350099 2011 OG_{16} 10 29.3 26.°74 4.°3/ 1.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 40.79	+25 7.8	1.636	2.479	15.5	20.6
10 8	2 34.62	+25 24.8	1.569	2.480	11.9	20.4
10 18	2 26.04	+25 23.1	1.524	2.482	8.0	20.2
10 28	2 16.03	+25 2.6	1.504	2.484	4.8	20.0
11 7	2 5.90	+24 26.2	1.510	2.486	5.1	20.0
11 17	1 56.96	+23 40.0	1.544	2.488	8.6	20.2
11 27	1 50.28	+22 52.0	1.603	2.491	12.4	20.4
12 7	1 46.48	+22 9.5	1.684	2.493	15.8	20.7

275022 2009 UZ_{28} 10 29.3 313.°22 1.°7/28.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 40.48	+ 8 9.0	1.949	2.823	12.0	20.5
10 8	2 34.13	+ 8 20.0	1.863	2.801	8.6	20.3
10 18	2 25.72	+ 8 29.8	1.802	2.781	4.7	20.0
10 28	2 16.01	+ 8 40.5	1.768	2.760	1.7	19.8
11 7	2 5.99	+ 8 54.9	1.764	2.739	4.6	19.9
11 17	1 56.72	+ 9 15.3	1.789	2.719	8.7	20.1
11 27	1 49.18	+ 9 43.9	1.839	2.700	12.4	20.3
12 7	1 44.02	+10 22.0	1.912	2.680	15.6	20.5

324261 2006 BQ_{226} 10 29.3 166.°98 7.°6/ 7.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 43.38	+44 52.2	3.134	3.818	12.2	21.6
10 8	2 35.91	+45 34.9	3.053	3.822	10.7	21.5
10 18	2 26.57	+45 58.2	2.993	3.826	9.3	21.4
10 28	2 16.10	+45 59.4	2.957	3.829	8.1	21.3
11 7	2 5.45	+45 38.5	2.947	3.832	7.6	21.3
11 17	1 55.59	+44 57.7	2.964	3.835	8.0	21.3
11 27	1 47.40	+44 2.2	3.008	3.837	9.0	21.4
12 7	1 41.43	+42 58.2	3.076	3.839	10.4	21.5

109040 2001 QP_{13} 10 29.3 7.°94 0.°7/28.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 35.52	+13 35.3	1.002	1.907	17.9	18.4
10 8	2 31.49	+13 15.8	0.955	1.908	12.8	18.2
10 18	2 24.51	+12 43.9	0.928	1.911	6.9	17.9
10 28	2 15.87	+12 5.3	0.922	1.915	0.9	17.5
11 7	2 7.22	+11 28.0	0.940	1.921	5.8	17.8
11 17	2 0.18	+10 59.9	0.980	1.929	11.6	18.2
11 27	1 55.97	+10 47.4	1.041	1.938	16.6	18.5
12 7	1 55.14	+10 53.2	1.119	1.949	20.7	18.8

115746 2003 UW_{193} 10 29.3 289.°44 0.°7/28.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 37.65	+11 55.7	2.262	3.129	10.8	19.3
10 8	2 31.76	+11 49.4	2.189	3.125	7.7	19.1
10 18	2 24.26	+11 38.1	2.143	3.121	4.1	18.9
10 28	2 15.84	+11 24.2	2.124	3.117	0.7	18.6
11 7	2 7.34	+11 10.8	2.136	3.114	3.6	18.9
11 17	1 59.58	+11 1.1	2.176	3.110	7.2	19.1
11 27	1 53.31	+10 58.0	2.244	3.106	10.4	19.3
12 7	1 49.02	+11 3.9	2.334	3.102	13.2	19.5

91931 1999 VK_{52} 10 29.3 9.°93 1.°7/28.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 28	2 39.16	+ 8 51.9	1.844	2.722	12.4	18.5
10 8	2 33.04	+ 8 51.9	1.782	2.723	8.8	18.3
10 18	2 25.02	+ 8 49.2	1.745	2.725	4.8	18.1
10 28	2 15.93	+ 8 46.6	1.735	2.727	1.7	17.9
11 7	2 6.80	+ 8 47.6	1.754	2.729	4.6	18.1
11 17	1 58.64	+ 8 54.9	1.800	2.732	8.6	18.3
11 27	1 52.30	+ 9 11.2	1.872	2.736	12.1	18.6
12 7	1 48.30	+ 9 37.6	1.966	2.739	15.1	18.8

55854 Stoppani 10 29.3 297.°25 9.°2/27.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 57.85	− 7 13.6	1.022	1.897	20.2	16.7
10 8	2 47.89	− 6 41.3	0.957	1.886	15.8	16.4
10 18	2 33.77	− 5 44.8	0.913	1.875	11.4	16.2
10 28	2 16.96	− 4 17.2	0.892	1.864	9.2	16.0
11 7	1 59.77	− 2 17.5	0.898	1.853	11.7	16.1
11 17	1 44.57	+ 0 7.9	0.928	1.843	16.5	16.4
11 27	1 33.18	+ 2 49.9	0.982	1.833	21.4	16.6
12 7	1 26.43	+ 5 39.6	1.053	1.824	25.6	16.9

69556 1997 SA_{31} 10 29.3 49.°90 1.°7/27.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 33.60	+12 30.1	2.130	3.006	11.0	18.7
10 8	2 28.84	+11 5.8	2.072	3.013	7.7	18.5
10 18	2 22.62	+ 9 33.8	2.040	3.021	4.1	18.3
10 28	2 15.66	+ 7 59.9	2.038	3.028	1.7	18.2
11 7	2 8.75	+ 6 31.1	2.065	3.036	4.5	18.4
11 17	2 2.68	+ 5 13.4	2.121	3.044	8.0	18.6
11 27	1 58.08	+ 4 11.5	2.203	3.052	11.1	18.8
12 7	1 55.36	+ 3 27.8	2.307	3.060	13.7	19.0

365261 2009 PO_{9} 10 29.3 25.°78 8.°8/19.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 33.26	− 7 28.5	1.864	2.746	12.1	20.0
10 8	2 28.75	− 9 53.8	1.830	2.751	9.9	19.9
10 18	2 22.63	−12 8.6	1.822	2.756	8.8	19.8
10 28	2 15.67	−14 2.6	1.841	2.762	9.5	19.9
11 7	2 8.76	−15 28.3	1.886	2.768	11.3	20.0
11 17	2 2.76	−16 22.0	1.954	2.775	13.6	20.2
11 27	1 58.38	−16 43.9	2.043	2.781	15.8	20.3
12 7	1 56.05	−16 37.3	2.148	2.788	17.6	20.5

254449 2005 BO_{19} 10 29.3 60.°00 7.°1/25.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 41.57	+ 0 54.9	1.143	2.042	16.7	19.8
10 8	2 35.11	− 0 18.3	1.116	2.062	12.2	19.6
10 18	2 26.16	− 1 25.2	1.110	2.082	8.2	19.5
10 28	2 16.05	− 2 15.8	1.128	2.102	7.2	19.5
11 7	2 6.34	− 2 42.6	1.170	2.123	9.9	19.7
11 17	1 58.35	− 2 42.7	1.236	2.144	13.8	20.0
11 27	1 53.03	− 2 16.6	1.323	2.165	17.5	20.3
12 7	1 50.77	− 1 28.1	1.426	2.185	20.5	20.6

211593 2003 SE_{259} 10 29.3 325.°79 1.°5/28.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 32.70	+15 29.2	1.345	2.237	15.2	19.7
10 8	2 29.18	+14 2.0	1.266	2.214	10.8	19.4
10 18	2 23.23	+12 15.3	1.209	2.191	5.8	19.1
10 28	2 15.76	+10 16.6	1.177	2.170	1.5	18.7
11 7	2 8.03	+ 8 17.5	1.172	2.150	5.9	19.0
11 17	2 1.35	+ 6 30.3	1.192	2.130	11.3	19.2
11 27	1 56.86	+ 5 5.3	1.235	2.112	16.1	19.5
12 7	1 55.26	+ 4 8.0	1.296	2.094	20.2	19.7

324732 2007 EY_{174} 10 29.3 128.°84 5.°9/ 3.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 44.31	+34 27.9	2.725	3.486	12.1	21.0
10 8	2 36.52	+35 16.0	2.653	3.498	10.0	20.9
10 18	2 26.89	+35 47.3	2.605	3.510	7.9	20.8
10 28	2 16.17	+35 59.7	2.585	3.521	6.3	20.7
11 7	2 5.31	+35 53.6	2.594	3.532	6.0	20.7
11 17	1 55.27	+35 31.6	2.631	3.543	7.2	20.8
11 27	1 46.90	+34 58.9	2.697	3.553	9.1	20.9
12 7	1 40.73	+34 21.5	2.787	3.563	11.0	21.1

52694 1998 FL_{28} 10 29.3 157.°74 0.°1/29.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 37.04	+14 55.8	2.268	3.131	11.0	19.0
10 8	2 31.28	+14 26.5	2.201	3.134	7.8	18.8
10 18	2 23.98	+13 49.2	2.160	3.138	4.2	18.6
10 28	2 15.83	+13 6.9	2.148	3.141	0.5	18.3
11 7	2 7.68	+12 23.8	2.165	3.144	3.4	18.6
11 17	2 0.33	+11 44.3	2.211	3.146	7.0	18.8
11 27	1 54.48	+11 12.5	2.284	3.149	10.2	19.0
12 7	1 50.58	+10 51.3	2.381	3.151	12.9	19.2

265260 2004 EK_{90} 10 29.3 275.°54 1.°7/28.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 40.53	+11 13.1	1.525	2.406	14.3	20.9
10 8	2 34.57	+10 42.9	1.446	2.389	10.2	20.6
10 18	2 26.12	+10 4.4	1.391	2.372	5.6	20.3
10 28	2 16.10	+ 9 22.4	1.362	2.354	1.7	20.0
11 7	2 5.77	+ 8 42.9	1.360	2.336	5.5	20.3
11 17	1 56.47	+ 8 12.2	1.384	2.318	10.4	20.5
11 27	1 49.36	+ 7 55.8	1.433	2.300	14.9	20.7
12 7	1 45.15	+ 7 56.5	1.501	2.282	18.7	20.9

45737 Benita 10 29.3 83°.60 2°.5/26.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 28	2 34.08	+ 8 13.9	2.293	3.172	10.3	18.5
10 8	2 29.12	+ 7 13.2	2.234	3.176	7.2	18.3
10 18	2 22.78	+ 6 9.2	2.201	3.180	4.1	18.1
10 28	2 15.70	+ 5 6.6	2.197	3.184	2.5	18.0
11 7	2 8.65	+ 4 10.6	2.223	3.188	4.8	18.2
11 17	2 2.34	+ 3 25.5	2.276	3.192	7.9	18.4
11 27	1 57.41	+ 2 54.5	2.356	3.196	10.8	18.6
12 7	1 54.27	+ 2 39.0	2.458	3.201	13.2	18.7

399722 2004 WH_8 10 29.3 27°.18 0°.6/29.8 18

9 28	2 34.82	+18 10.6	1.728	2.598	13.5	20.2
10 8	2 30.03	+17 28.9	1.672	2.607	9.7	20.0
10 18	2 23.39	+16 34.0	1.640	2.617	5.4	19.8
10 28	2 15.78	+15 30.2	1.635	2.628	1.1	19.5
11 7	2 8.22	+14 23.7	1.657	2.639	3.8	19.8
11 17	2 1.71	+13 21.2	1.707	2.650	8.0	20.0
11 27	1 57.06	+12 29.0	1.782	2.662	11.7	20.3
12 7	1 54.71	+11 51.1	1.879	2.675	14.9	20.5

304339 2006 SO_{253} 10 29.3 145°.61 2°.3/31.1 18

9 28	2 41.26	+21 5.5	2.214	3.053	12.1	21.4
10 8	2 34.38	+21 14.4	2.145	3.060	9.0	21.2
10 18	2 25.71	+21 11.6	2.102	3.068	5.6	21.0
10 28	2 16.05	+20 57.8	2.087	3.074	2.6	20.8
11 7	2 6.35	+20 35.5	2.102	3.081	3.5	20.9
11 17	1 57.54	+20 8.7	2.147	3.087	6.8	21.1
11 27	1 50.44	+19 42.3	2.218	3.092	10.0	21.3
12 7	1 45.55	+19 20.7	2.314	3.097	12.8	21.5

323560 2004 TK_{58} 10 29.3 353°.52 0°.7/29.8 18

9 28	2 36.26	+16 27.0	1.686	2.560	13.6	20.4
10 8	2 31.25	+16 18.4	1.619	2.556	9.8	20.1
10 18	2 24.17	+15 58.9	1.575	2.552	5.5	19.9
10 28	2 15.88	+15 31.2	1.556	2.549	1.1	19.6
11 7	2 7.49	+14 59.6	1.566	2.547	3.9	19.8
11 17	2 0.08	+14 29.4	1.602	2.546	8.3	20.0
11 27	1 54.61	+14 5.9	1.662	2.545	12.3	20.3
12 7	1 51.62	+13 53.3	1.745	2.545	15.7	20.5

370637 2003 YV_{157} 10 29.3 23°.44 5°.2/ 1.1 18

9 28	2 39.85	+24 3.8	0.989	1.867	20.5	20.0
10 8	2 34.79	+24 32.5	0.945	1.876	15.6	19.8
10 18	2 26.41	+24 35.8	0.918	1.886	10.3	19.6
10 28	2 16.14	+24 13.2	0.913	1.898	5.8	19.4
11 7	2 5.92	+23 30.4	0.931	1.910	6.4	19.4
11 17	1 57.60	+22 37.1	0.971	1.924	11.0	19.7
11 27	1 52.53	+21 45.0	1.033	1.939	15.8	20.1
12 7	1 51.24	+21 3.5	1.113	1.956	19.9	20.4

283649 2002 JS_{145} 10 29.3 87°.65 8°.4/23.3 18

9 28	2 41.05	− 8 48.4	1.811	2.679	13.0	20.6
10 8	2 34.04	− 9 55.4	1.788	2.704	10.4	20.5
10 18	2 25.38	−10 48.7	1.790	2.729	8.7	20.4
10 28	2 16.00	−11 21.7	1.818	2.753	8.6	20.5
11 7	2 6.92	−11 30.5	1.873	2.778	10.2	20.6
11 17	1 59.06	−11 14.5	1.952	2.801	12.4	20.8
11 27	1 53.12	−10 35.7	2.053	2.824	14.7	21.0
12 7	1 49.46	− 9 37.8	2.173	2.847	16.6	21.2

404395 2013 GB_{49} 10 29.3 74°.19 0°.5/28.9 18

9 28	2 37.51	+13 28.9	1.990	2.860	11.9	21.5
10 8	2 31.78	+13 5.6	1.927	2.864	8.5	21.3
10 18	2 24.32	+12 34.9	1.889	2.868	4.6	21.1
10 28	2 15.91	+12 0.1	1.879	2.873	0.6	20.8
11 7	2 7.49	+11 25.6	1.898	2.877	3.8	21.0
11 17	1 59.98	+10 55.8	1.945	2.881	7.7	21.3
11 27	1 54.15	+10 34.9	2.019	2.885	11.2	21.5
12 7	1 50.49	+10 25.5	2.114	2.890	14.1	21.7

331551 2000 WL_{54} 10 29.3 225°.62 10°.0/ 8.1 18

9 28	2 48.02	+46 4.0	2.218	2.912	16.3	21.0
10 8	2 39.99	+46 31.1	2.119	2.899	14.5	20.9
10 18	2 29.12	+46 29.9	2.039	2.884	12.5	20.7
10 28	2 16.48	+45 55.2	1.982	2.868	10.8	20.6
11 7	2 3.53	+44 46.1	1.949	2.851	10.0	20.5
11 17	1 51.82	+43 7.0	1.944	2.832	10.6	20.5
11 27	1 42.63	+41 7.2	1.964	2.813	12.3	20.5
12 7	1 36.69	+38 58.8	2.009	2.793	14.4	20.7

453716 2011 AO_{12} 10 29.3 303°.87 0°.1/29.4 17

9 28	2 35.52	+15 55.0	2.013	2.881	11.9	21.5
10 8	2 30.53	+15 25.8	1.930	2.865	8.6	21.3
10 18	2 23.74	+14 46.4	1.871	2.849	4.7	21.0
10 28	2 15.86	+13 59.6	1.839	2.833	0.6	20.7
11 7	2 7.79	+13 10.3	1.837	2.817	3.7	20.9
11 17	2 0.50	+12 23.6	1.862	2.801	7.7	21.1
11 27	1 54.81	+11 45.0	1.913	2.786	11.5	21.3
12 7	1 51.28	+11 18.4	1.987	2.771	14.6	21.5

324138 2005 YM_{86} 10 29.3 310°.59 6°.1/24.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 28	2 36.49	− 3 35.6	2.075	2.952	11.2	20.6
10 8	2 30.97	− 4 27.0	2.018	2.949	8.6	20.5
10 18	2 23.85	− 5 12.0	1.987	2.945	6.5	20.3
10 28	2 15.86	− 5 44.9	1.983	2.941	6.3	20.3
11 7	2 7.86	− 6 1.1	2.007	2.937	8.0	20.4
11 17	2 0.68	− 5 58.2	2.056	2.934	10.6	20.6
11 27	1 55.06	− 5 35.7	2.129	2.930	13.2	20.7
12 7	1 51.45	− 4 55.2	2.222	2.927	15.5	20.9

484252 2007 FH_{46} 10 29.3 151°.68 0°.4/29.7 18

9 28	2 37.05	+16 5.4	2.490	3.346	10.4	22.0
10 8	2 31.20	+15 50.3	2.422	3.351	7.4	21.8
10 18	2 23.93	+15 27.6	2.380	3.355	4.1	21.6
10 28	2 15.87	+14 59.3	2.366	3.359	0.7	21.3
11 7	2 7.79	+14 28.6	2.383	3.363	3.0	21.5
11 17	2 0.44	+13 59.2	2.429	3.367	6.3	21.7
11 27	1 54.48	+13 34.8	2.503	3.370	9.3	21.9
12 7	1 50.33	+13 18.3	2.601	3.373	11.9	22.1

10518 1990 MC 10 29.3 50°.66 3°.1/26.6 18

9 28	2 37.31	+10 4.8	1.540	2.427	13.8	16.5
10 8	2 31.59	+ 8 24.6	1.515	2.461	9.6	16.3
10 18	2 24.10	+ 6 40.3	1.515	2.495	5.3	16.1
10 28	2 15.87	+ 5 0.7	1.542	2.529	3.2	16.1
11 7	2 8.01	+ 3 34.5	1.597	2.563	6.2	16.3
11 17	2 1.46	+ 2 27.8	1.678	2.597	10.0	16.6
11 27	1 56.92	+ 1 43.8	1.784	2.631	13.4	16.9
12 7	1 54.72	+ 1 22.6	1.910	2.666	16.1	17.2

324782 2007 GQ_{61} 10 29.3 4°.79 1°.1/30.4 18

9 28	2 34.84	+20 17.0	2.116	2.970	12.0	20.4
10 8	2 29.88	+19 31.5	2.045	2.970	8.7	20.2
10 18	2 23.29	+18 32.3	1.998	2.971	5.1	20.0
10 28	2 15.81	+17 22.9	1.979	2.971	1.5	19.7
11 7	2 8.31	+16 8.5	1.990	2.971	3.3	19.9
11 17	2 1.66	+14 55.3	2.029	2.972	7.0	20.1
11 27	1 56.58	+13 49.5	2.096	2.972	10.4	20.3
12 7	1 53.54	+12 55.7	2.186	2.973	13.3	20.5

43240 2000 AP_{240} 10 29.3 119°.34 1°.1/30.5 18

9 28	2 35.52	+20 34.0	2.466	3.312	10.8	18.9
10 8	2 30.09	+19 46.7	2.402	3.323	7.8	18.8
10 18	2 23.31	+18 47.5	2.363	3.333	4.6	18.6
10 28	2 15.82	+17 39.7	2.352	3.344	1.4	18.4
11 7	2 8.38	+16 27.8	2.373	3.354	2.9	18.5
11 17	2 1.74	+15 17.1	2.423	3.363	6.1	18.7
11 27	1 56.49	+14 12.9	2.501	3.373	9.1	18.9
12 7	1 53.04	+13 19.0	2.604	3.382	11.7	19.1

78351 2002 PJ_{98} 10 29.3 69°.77 7°.5/23.9 18

9 28	2 39.96	− 4 31.4	1.659	2.540	13.4	18.6
10 8	2 33.38	− 5 46.6	1.639	2.569	10.2	18.5
10 18	2 25.06	− 6 51.2	1.643	2.597	7.9	18.4
10 28	2 16.01	− 7 37.6	1.673	2.626	7.7	18.5
11 7	2 7.30	− 8 1.1	1.730	2.654	9.6	18.6
11 17	1 59.87	− 8 0.2	1.811	2.682	12.2	18.9
11 27	1 54.42	− 7 36.2	1.915	2.710	14.7	19.1
12 7	1 51.32	− 6 52.3	2.037	2.737	16.9	19.3

476004 2007 RZ_{59} 10 29.3 39°.39 5°.4/ 1.9 18

9 28	2 41.76	+27 11.0	1.577	2.412	16.3	20.4
10 8	2 35.44	+27 42.7	1.515	2.419	12.8	20.2
10 18	2 26.58	+27 54.0	1.474	2.425	9.0	20.0
10 28	2 16.22	+27 43.4	1.458	2.432	5.9	19.8
11 7	2 5.77	+27 13.5	1.468	2.440	6.0	19.8
11 17	1 56.60	+26 30.3	1.505	2.447	9.0	20.0
11 27	1 49.85	+25 42.1	1.567	2.455	12.6	20.3
12 7	1 46.12	+24 57.3	1.650	2.463	15.9	20.5

46274 2001 JU_3 10 29.3 10°.15 0°.7/28.7 18

9 28	2 32.61	+16 54.1	1.258	2.150	16.0	17.3
10 8	2 28.99	+15 31.3	1.206	2.153	11.3	17.1
10 18	2 23.03	+13 50.7	1.175	2.157	6.1	16.8
10 28	2 15.80	+12 1.0	1.169	2.162	0.8	16.5
11 7	2 8.64	+10 13.4	1.189	2.169	5.3	16.8
11 17	2 2.77	+ 8 39.1	1.233	2.176	10.4	17.1
11 27	1 59.16	+ 7 26.4	1.301	2.185	14.9	17.4
12 7	1 58.31	+ 6 39.3	1.388	2.195	18.6	17.7

79326 1996 QQ_3 10 29.3 32°.21 5°.3/ 2.3 18

9 28	2 38.98	+28 3.2	1.584	2.420	16.2	18.6
10 8	2 33.36	+28 18.0	1.527	2.430	12.7	18.4
10 18	2 25.38	+28 11.0	1.490	2.441	9.0	18.2
10 28	2 16.08	+27 41.8	1.478	2.453	5.9	18.1
11 7	2 6.79	+26 54.3	1.492	2.464	5.8	18.1
11 17	1 58.77	+25 55.3	1.533	2.477	8.6	18.3
11 27	1 53.06	+24 53.6	1.598	2.490	12.1	18.5
12 7	1 50.19	+23 57.3	1.685	2.503	15.4	18.8

17660 1996 VP_6 10 29.3 3°.58 4°.5/31.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 28	2 37.36	+23 20.3	1.165	2.038	18.3	16.8
10 8	2 32.84	+23 42.1	1.107	2.037	14.0	16.6
10 18	2 25.36	+23 42.3	1.068	2.036	9.2	16.3
10 28	2 16.09	+23 20.7	1.053	2.038	5.0	16.1
11 7	2 6.68	+22 41.8	1.060	2.040	5.7	16.1
11 17	1 58.76	+21 53.6	1.092	2.044	10.2	16.4
11 27	1 53.62	+21 6.2	1.146	2.050	14.9	16.7
12 7	1 51.92	+20 28.0	1.219	2.056	18.9	17.0

439861 1999 SW_{22} 10 29.3 320°.80 4°.2/31.4 18

9 28	2 42.17	+21 59.3	1.493	2.349	16.0	20.8
10 8	2 36.07	+22 45.9	1.413	2.334	12.2	20.5
10 18	2 27.14	+23 18.3	1.355	2.320	8.1	20.3
10 28	2 16.32	+23 34.4	1.322	2.306	4.5	20.0
11 7	2 5.02	+23 35.1	1.316	2.293	5.4	20.0
11 17	1 54.78	+23 24.3	1.335	2.280	9.6	20.2
11 27	1 46.97	+23 9.0	1.379	2.268	13.9	20.5
12 7	1 42.41	+22 56.3	1.443	2.257	17.7	20.7

481557 2007 RG_{258} 10 29.3 11°.37 0°.9/28.7 18

9 28	2 38.34	+12 33.6	1.402	2.289	15.0	20.8
10 8	2 32.94	+12 16.2	1.346	2.290	10.6	20.5
10 18	2 25.18	+11 50.2	1.312	2.293	5.7	20.2
10 28	2 16.07	+11 20.0	1.303	2.296	1.0	19.9
11 7	2 6.93	+10 51.3	1.320	2.300	5.0	20.2
11 17	1 59.05	+10 29.7	1.363	2.304	9.8	20.5
11 27	1 53.45	+10 20.0	1.430	2.309	14.2	20.8
12 7	1 50.69	+10 24.8	1.517	2.315	17.7	21.1

90447 Emans 10 29.3 6°.45 0°.0/29.2 18

9 28	2 42.66	+13 2.2	1.175	2.063	17.1	18.8
10 8	2 36.47	+13 21.6	1.118	2.063	12.3	18.6
10 18	2 27.29	+13 32.7	1.083	2.063	6.8	18.3
10 28	2 16.32	+13 37.4	1.071	2.065	0.8	17.9
11 7	2 5.24	+13 39.6	1.085	2.067	5.2	18.2
11 17	1 55.67	+13 44.1	1.124	2.070	10.8	18.5
11 27	1 48.94	+13 55.9	1.185	2.073	15.7	18.8
12 7	1 45.70	+14 18.3	1.265	2.078	19.8	19.1

66932 1999 VL_{213} 10 29.3 7°.78 4°.0/26.3 18

9 28	2 34.86	+ 8 8.2	1.377	2.275	14.4	18.6
10 8	2 30.40	+ 6 44.6	1.325	2.276	10.2	18.4
10 18	2 23.76	+ 5 15.1	1.297	2.277	5.9	18.1
10 28	2 15.90	+ 3 48.8	1.293	2.279	4.1	18.0
11 7	2 8.08	+ 2 35.0	1.316	2.282	7.3	18.2
11 17	2 1.45	+ 1 41.3	1.363	2.285	11.6	18.5
11 27	1 56.96	+ 1 12.0	1.433	2.290	15.5	18.7
12 7	1 55.12	+ 1 7.3	1.521	2.294	18.8	19.0

249418 2009 DU_{103} 10 29.3 128°.88 2°.1/27.3 18

9 28	2 37.17	+ 9 23.5	2.241	3.113	10.7	21.1
10 8	2 31.30	+ 8 27.4	2.187	3.126	7.5	20.9
10 18	2 23.98	+ 7 27.2	2.160	3.138	4.1	20.7
10 28	2 15.92	+ 6 27.7	2.161	3.150	2.1	20.6
11 7	2 7.95	+ 5 33.9	2.193	3.162	4.6	20.8
11 17	2 0.83	+ 4 50.2	2.254	3.173	7.8	21.0
11 27	1 55.20	+ 4 19.9	2.340	3.183	10.8	21.2
12 7	1 51.48	+ 4 4.2	2.450	3.193	13.3	21.4

226389 2003 OJ_{32} 10 29.3 140°.01 9°.9/ 6.6 17

9 28	2 44.17	+40 10.1	1.249	2.039	22.3	19.6
10 8	2 37.89	+39 54.3	1.182	2.043	18.8	19.4
10 18	2 28.13	+38 55.4	1.132	2.047	14.9	19.2
10 28	2 16.42	+37 9.6	1.103	2.050	11.4	19.0
11 7	2 4.81	+34 42.4	1.097	2.054	9.9	18.9
11 17	1 55.22	+31 48.3	1.117	2.056	11.6	19.0
11 27	1 49.04	+28 47.6	1.161	2.059	15.2	19.2
12 7	1 46.77	+25 59.1	1.227	2.061	19.0	19.5

122769 2000 SE_{74} 10 29.3 35°.66 4°.0/26.8 18

9 28	2 38.15	+ 6 51.3	1.293	2.190	15.3	19.1
10 8	2 32.73	+ 5 57.6	1.251	2.200	10.8	18.9
10 18	2 24.99	+ 5 1.3	1.232	2.212	6.2	18.7
10 28	2 16.05	+ 4 10.3	1.237	2.224	4.0	18.6
11 7	2 7.27	+ 3 31.8	1.268	2.237	7.2	18.8
11 17	1 59.88	+ 3 11.3	1.324	2.250	11.5	19.1
11 27	1 54.86	+ 3 11.4	1.402	2.264	15.5	19.4
12 7	1 52.65	+ 3 31.6	1.499	2.278	18.8	19.6

327548 2006 BX_{276} 10 29.3 193°.03 0°.5/28.8 18

9 28	2 35.88	+13 11.0	2.575	3.438	9.8	21.8
10 8	2 30.37	+12 45.2	2.503	3.437	6.9	21.6
10 18	2 23.51	+12 13.4	2.457	3.436	3.7	21.4
10 28	2 15.89	+11 38.4	2.441	3.434	0.6	21.1
11 7	2 8.23	+11 3.8	2.455	3.432	3.2	21.3
11 17	2 1.23	+10 32.9	2.498	3.430	6.5	21.6
11 27	1 55.52	+10 9.4	2.569	3.428	9.4	21.7
12 7	1 51.52	+ 9 55.3	2.663	3.425	11.9	21.9

287417 2002 WX_2 10 29.3 36°.32 2°.2/27.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 28	2 38.85	+ 9 44.0	1.379	2.270	14.9	19.6
10 8	2 33.09	+ 9 17.9	1.340	2.287	10.5	19.4
10 18	2 25.13	+ 8 46.8	1.323	2.304	5.7	19.2
10 28	2 16.07	+ 8 16.2	1.331	2.323	2.2	19.0
11 7	2 7.20	+ 7 51.7	1.366	2.342	5.6	19.3
11 17	1 59.70	+ 7 38.0	1.427	2.362	10.1	19.6
11 27	1 54.49	+ 7 38.6	1.510	2.382	14.0	19.9
12 7	1 52.01	+ 7 54.2	1.614	2.403	17.2	20.2

25154 Ayers 10 29.3 54°.17 0°.0/29.2 18

9 28	2 37.18	+15 5.4	1.949	2.818	12.2	18.6
10 8	2 31.53	+14 43.9	1.897	2.832	8.7	18.4
10 18	2 24.19	+14 13.8	1.869	2.847	4.7	18.2
10 28	2 15.97	+13 38.4	1.868	2.861	0.5	17.9
11 7	2 7.82	+13 2.0	1.896	2.876	3.6	18.2
11 17	2 0.66	+12 29.4	1.952	2.891	7.5	18.5
11 27	1 55.21	+12 4.8	2.035	2.906	10.9	18.7
12 7	1 51.92	+11 51.0	2.139	2.922	13.8	19.0

247482 2002 KL_{14} 10 29.3 70°.81 0°.2/29.5 18

9 28	2 36.26	+19 29.8	2.165	3.019	11.8	19.8
10 8	2 30.62	+17 58.4	2.115	3.043	8.4	19.6
10 18	2 23.57	+16 14.5	2.093	3.068	4.6	19.4
10 28	2 15.89	+14 23.7	2.100	3.093	0.6	19.2
11 7	2 8.41	+12 33.3	2.138	3.117	3.3	19.4
11 17	2 1.91	+10 50.7	2.206	3.142	7.0	19.7
11 27	1 56.99	+ 9 21.8	2.303	3.166	10.2	20.0
12 7	1 54.01	+ 8 10.3	2.423	3.190	12.8	20.2

117694 2005 ED_{282} 10 29.3 74°.65 4°.6/31.1 18

9 28	2 55.68	+20 46.3	1.369	2.213	17.9	19.2
10 8	2 45.45	+22 15.6	1.323	2.237	13.4	19.0
10 18	2 32.05	+23 29.2	1.300	2.262	8.7	18.8
10 28	2 16.89	+24 22.8	1.304	2.286	4.9	18.7
11 7	2 1.84	+24 55.7	1.336	2.310	6.0	18.8
11 17	1 48.67	+25 11.8	1.396	2.334	10.0	19.1
11 27	1 38.70	+25 18.5	1.482	2.357	14.0	19.4
12 7	1 32.52	+25 23.8	1.589	2.380	17.3	19.7

449675 2014 KW_{92} 10 29.3 43°.54 4°.5/26.7 18

9 28	2 40.89	+ 1 55.3	1.612	2.496	13.5	20.1
10 8	2 34.24	+ 1 39.7	1.574	2.515	9.7	19.9
10 18	2 25.65	+ 1 28.0	1.561	2.534	6.1	19.8
10 28	2 16.14	+ 1 24.9	1.573	2.554	4.6	19.7
11 7	2 6.83	+ 1 34.0	1.613	2.574	6.8	19.9
11 17	1 58.79	+ 1 56.9	1.680	2.595	10.3	20.2
11 27	1 52.81	+ 2 34.2	1.771	2.616	13.6	20.4
12 7	1 49.34	+ 3 24.4	1.882	2.637	16.3	20.7

271550 2004 JU_{21} 10 29.3 259°.78 0°.2/29.5 18

9 28	2 39.94	+16 38.6	1.652	2.521	14.1	21.2
10 8	2 34.06	+16 4.9	1.571	2.505	10.2	20.9
10 18	2 25.85	+15 17.6	1.512	2.490	5.7	20.6
10 28	2 16.19	+14 20.0	1.480	2.474	0.8	20.3
11 7	2 6.28	+13 18.2	1.477	2.457	4.3	20.5
11 17	1 57.35	+12 19.4	1.501	2.441	9.2	20.7
11 27	1 50.49	+11 30.9	1.549	2.424	13.6	21.0
12 7	1 46.36	+10 57.6	1.619	2.406	17.3	21.2

509454 2007 HF_{87} 10 29.3 160°.71 1°.7/27.9 18

9 28	2 40.06	+10 44.9	1.952	2.823	12.1	22.0
10 8	2 33.60	+10 5.7	1.890	2.829	8.5	21.8
10 18	2 25.34	+ 9 20.7	1.854	2.834	4.6	21.6
10 28	2 16.12	+ 8 34.4	1.847	2.838	1.7	21.4
11 7	2 6.91	+ 7 51.7	1.868	2.842	4.6	21.6
11 17	1 58.67	+ 7 17.6	1.918	2.845	8.5	21.9
11 27	1 52.21	+ 6 55.8	1.994	2.848	11.9	22.1
12 7	1 48.00	+ 6 48.3	2.092	2.850	14.8	22.3

37891 1998 FY_{60} 10 29.3 196°.79 4°.9/ 1.4 18

9 28	2 44.60	+26 10.0	1.844	2.669	14.7	19.0
10 8	2 37.33	+26 51.3	1.769	2.668	11.5	18.8
10 18	2 27.62	+27 16.0	1.717	2.667	8.1	18.6
10 28	2 16.40	+27 22.2	1.692	2.666	5.3	18.4
11 7	2 4.93	+27 11.0	1.695	2.664	5.5	18.4
11 17	1 54.51	+26 46.5	1.725	2.663	8.4	18.6
11 27	1 46.27	+26 15.4	1.782	2.661	11.8	18.8
12 7	1 40.87	+25 45.0	1.861	2.658	15.0	19.0

518891 2010 EX_{169} 10 29.3 284°.44 6°.5/ 5.1 17

9 28	2 37.45	+36 44.8	2.434	3.200	13.3	21.1
10 8	2 31.95	+36 51.7	2.340	3.186	11.2	21.0
10 18	2 24.56	+36 37.7	2.267	3.172	8.9	20.8
10 28	2 16.04	+36 1.2	2.220	3.158	7.0	20.6
11 7	2 7.33	+35 3.7	2.199	3.145	6.5	20.6
11 17	1 59.43	+33 49.5	2.207	3.131	7.7	20.6
11 27	1 53.21	+32 25.5	2.241	3.117	9.9	20.8
12 7	1 49.24	+30 59.4	2.300	3.103	12.3	20.9

411925 2012 FE_{82} 10 29.3 54°.73 2°.8/27.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 28	2 37.37	+ 5 49.0	2.135	3.013	11.0	20.3
10 8	2 31.57	+ 5 24.5	2.077	3.017	7.8	20.1
10 18	2 24.21	+ 4 59.4	2.044	3.021	4.5	19.9
10 28	2 15.99	+ 4 37.5	2.039	3.025	2.8	19.8
11 7	2 7.79	+ 4 22.6	2.063	3.029	5.1	20.0
11 17	2 0.42	+ 4 17.6	2.116	3.034	8.3	20.2
11 27	1 54.60	+ 4 24.5	2.194	3.038	11.3	20.4
12 7	1 50.76	+ 4 44.0	2.294	3.043	13.9	20.6

487843 2015 TC_{91} 10 29.3 357°.99 0°.6/29.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 40.23	+14 36.9	1.750	2.620	13.4	20.4
10 8	2 34.06	+14 56.5	1.683	2.618	9.6	20.2
10 18	2 25.76	+15 8.6	1.639	2.617	5.4	19.9
10 28	2 16.19	+15 14.4	1.623	2.616	1.0	19.6
11 7	2 6.48	+15 16.6	1.635	2.616	3.9	19.8
11 17	1 57.77	+15 18.6	1.674	2.616	8.2	20.1
11 27	1 51.04	+15 24.2	1.739	2.617	12.1	20.3
12 7	1 46.86	+15 36.7	1.825	2.618	15.4	20.5

471055 2009 UB_{111} 10 29.3 1°.31 1°.4/28.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 39.25	+10 58.9	1.123	2.021	17.0	20.5
10 8	2 34.07	+10 54.9	1.068	2.018	12.1	20.2
10 18	2 26.00	+10 43.8	1.035	2.017	6.6	19.9
10 28	2 16.22	+10 30.0	1.024	2.017	1.5	19.6
11 7	2 6.34	+10 19.2	1.039	2.018	5.9	19.9
11 17	1 57.95	+10 16.8	1.076	2.021	11.4	20.2
11 27	1 52.31	+10 27.4	1.136	2.024	16.3	20.5
12 7	1 50.05	+10 53.0	1.213	2.029	20.3	20.8

319154 2005 YK_{65} 10 29.3 313°.96 1°.1/28.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 36.31	+11 56.0	1.962	2.838	11.8	20.6
10 8	2 31.08	+11 28.3	1.889	2.829	8.4	20.4
10 18	2 24.06	+10 53.9	1.840	2.820	4.5	20.2
10 28	2 16.00	+10 16.6	1.819	2.812	1.1	19.9
11 7	2 7.82	+ 9 40.9	1.827	2.804	4.2	20.1
11 17	2 0.46	+ 9 11.6	1.862	2.796	8.2	20.4
11 27	1 54.74	+ 8 52.6	1.923	2.788	11.8	20.6
12 7	1 51.20	+ 8 46.6	2.006	2.781	14.8	20.8

71669 2000 EH_{157} 10 29.3 307°.69 7°.4/22.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 35.95	− 7 40.4	2.090	2.963	11.4	18.8
10 8	2 30.70	− 8 39.1	2.028	2.948	9.1	18.6
10 18	2 23.80	− 9 28.6	1.991	2.933	7.6	18.5
10 28	2 15.97	−10 2.8	1.979	2.919	7.7	18.5
11 7	2 8.06	−10 16.7	1.995	2.905	9.3	18.5
11 17	2 0.91	−10 8.0	2.035	2.891	11.7	18.7
11 27	1 55.29	− 9 36.7	2.098	2.877	14.2	18.8
12 7	1 51.69	− 8 45.1	2.180	2.863	16.3	19.0

415518 2014 QH_{18} 10 29.3 89°.72 2°.2/27.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 35.65	+ 9 2.1	2.324	3.198	10.3	21.3
10 8	2 30.16	+ 8 3.4	2.278	3.217	7.2	21.2
10 18	2 23.36	+ 7 1.5	2.258	3.237	4.0	21.0
10 28	2 15.92	+ 6 1.0	2.268	3.256	2.2	20.9
11 7	2 8.59	+ 5 6.8	2.307	3.275	4.5	21.1
11 17	2 2.08	+ 4 23.0	2.376	3.294	7.5	21.3
11 27	1 56.99	+ 3 52.4	2.471	3.312	10.3	21.5
12 7	1 53.67	+ 3 36.3	2.588	3.330	12.7	21.7

320683 2008 CE_{211} 10 29.3 224°.92 2°.4/27.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 36.07	+ 9 20.6	2.135	3.011	11.0	21.1
10 8	2 30.74	+ 8 18.7	2.065	3.006	7.7	20.9
10 18	2 23.81	+ 7 11.4	2.021	3.000	4.3	20.7
10 28	2 15.99	+ 6 4.0	2.006	2.994	2.4	20.6
11 7	2 8.11	+ 5 2.1	2.020	2.988	4.9	20.7
11 17	2 1.02	+ 4 11.1	2.063	2.982	8.4	20.9
11 27	1 55.44	+ 3 34.8	2.131	2.975	11.6	21.1
12 7	1 51.84	+ 3 15.0	2.221	2.969	14.4	21.3

408957 2002 GJ_{76} 10 29.3 101°.36 2°.0/26.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 35.61	+ 9 59.5	2.523	3.393	9.7	21.2
10 8	2 30.03	+ 8 42.9	2.477	3.416	6.8	21.0
10 18	2 23.26	+ 7 22.4	2.459	3.438	3.7	20.9
10 28	2 15.91	+ 6 2.9	2.471	3.459	2.1	20.8
11 7	2 8.70	+ 4 49.8	2.514	3.481	4.3	21.0
11 17	2 2.26	+ 3 47.4	2.587	3.501	7.2	21.2
11 27	1 57.15	+ 2 59.1	2.687	3.522	9.8	21.4
12 7	1 53.70	+ 2 26.0	2.809	3.542	12.0	21.6

77087 2001 DA_{37} 10 29.3 162°.57 1°.6/27.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 38.33	+11 17.5	2.094	2.964	11.4	20.0
10 8	2 32.30	+10 30.5	2.031	2.969	8.0	19.8
10 18	2 24.63	+ 9 37.3	1.994	2.973	4.3	19.5
10 28	2 16.08	+ 8 42.4	1.985	2.977	1.6	19.4
11 7	2 7.55	+ 7 51.0	2.006	2.980	4.4	19.6
11 17	1 59.90	+ 7 7.9	2.056	2.983	8.0	19.8
11 27	1 53.86	+ 6 37.1	2.132	2.985	11.3	20.0
12 7	1 49.90	+ 6 20.6	2.231	2.987	14.1	20.2

415624 2014 QW_{370} 10 29.3 108°.62 4°.1/25.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 28	2 35.20	+ 1 43.0	2.391	3.269	9.9	20.7
10 8	2 29.86	+ 0 42.3	2.343	3.280	7.2	20.6
10 18	2 23.22	− 0 16.3	2.322	3.291	4.8	20.4
10 28	2 15.92	− 1 8.0	2.330	3.302	4.3	20.4
11 7	2 8.68	− 1 48.2	2.367	3.312	6.1	20.5
11 17	2 2.20	− 2 13.9	2.431	3.323	8.6	20.7
11 27	1 57.06	− 2 23.5	2.521	3.333	11.1	20.9
12 7	1 53.65	− 2 17.2	2.632	3.343	13.2	21.1

450286 2004 HQ_{5} 10 29.3 187°.25 0°.6/29.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 37.06	+18 16.6	2.639	3.487	10.1	22.1
10 8	2 31.21	+17 37.5	2.562	3.486	7.3	21.9
10 18	2 23.99	+16 48.6	2.512	3.485	4.1	21.7
10 28	2 16.02	+15 52.5	2.491	3.483	0.9	21.4
11 7	2 8.01	+14 53.2	2.501	3.481	2.8	21.6
11 17	2 0.70	+13 55.1	2.541	3.478	6.1	21.8
11 27	1 54.71	+13 2.9	2.610	3.474	9.1	22.0
12 7	1 50.47	+12 20.2	2.703	3.470	11.6	22.2

332509 2008 GA_{82} 10 29.3 75°.84 2°.2/27.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 42.37	+10 22.0	1.408	2.291	15.1	20.7
10 8	2 35.48	+ 9 38.1	1.371	2.315	10.6	20.5
10 18	2 26.40	+ 8 48.4	1.358	2.338	5.7	20.3
10 28	2 16.28	+ 7 59.1	1.371	2.362	2.2	20.1
11 7	2 6.47	+ 7 16.8	1.411	2.385	5.7	20.4
11 17	1 58.15	+ 6 47.0	1.477	2.408	10.1	20.7
11 27	1 52.21	+ 6 33.5	1.568	2.431	14.1	21.0
12 7	1 49.06	+ 6 37.2	1.678	2.454	17.2	21.3

108419 2001 KU_{35} 10 29.3 57°.31 7°.6/24.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 40.10	− 6 20.8	1.753	2.629	13.0	19.3
10 8	2 33.71	− 7 7.3	1.708	2.633	10.2	19.1
10 18	2 25.44	− 7 43.1	1.686	2.637	8.1	19.0
10 28	2 16.18	− 8 1.7	1.690	2.641	7.8	19.0
11 7	2 7.02	− 7 58.8	1.721	2.646	9.6	19.1
11 17	1 58.95	− 7 33.0	1.777	2.650	12.3	19.3
11 27	1 52.80	− 6 45.3	1.855	2.655	15.0	19.5
12 7	1 49.03	− 5 39.2	1.953	2.659	17.3	19.7

367676 2010 JV_{81} 10 29.3 51°.11 5°.3/26.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 40.99	+ 7 25.0	0.964	1.870	18.3	19.7
10 8	2 34.87	+ 5 44.1	0.946	1.899	12.8	19.5
10 18	2 26.10	+ 4 2.1	0.949	1.929	7.5	19.4
10 28	2 16.23	+ 2 31.8	0.975	1.960	5.4	19.3
11 7	2 6.98	+ 1 24.0	1.025	1.991	8.9	19.7
11 17	1 59.72	+ 0 44.7	1.098	2.022	13.6	20.0
11 27	1 55.34	+ 0 35.2	1.191	2.053	17.7	20.4
12 7	1 54.14	+ 0 52.2	1.301	2.084	20.9	20.7

135023 2001 KL_{75} 10 29.3 70°.61 8°.4/22.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 37.62	− 7 10.9	1.734	2.613	13.0	19.2
10 8	2 31.91	− 8 33.2	1.699	2.623	10.4	19.1
10 18	2 24.43	− 9 44.0	1.689	2.633	8.6	19.0
10 28	2 16.06	−10 35.4	1.704	2.644	8.7	19.1
11 7	2 7.84	−11 1.9	1.744	2.654	10.5	19.2
11 17	2 0.70	−11 1.5	1.809	2.665	13.0	19.4
11 27	1 55.42	−10 35.3	1.895	2.675	15.4	19.6
12 7	1 52.41	− 9 47.0	1.999	2.686	17.5	19.8

76693 2000 HD_{79} 10 29.3 289°.36 6°.5/25.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 44.28	− 4 47.4	1.826	2.694	12.9	19.0
10 8	2 36.75	− 4 57.5	1.763	2.688	9.9	18.8
10 18	2 27.15	− 4 57.7	1.725	2.683	7.3	18.7
10 28	2 16.40	− 4 43.3	1.714	2.677	6.5	18.6
11 7	2 5.60	− 4 11.0	1.731	2.671	8.4	18.7
11 17	1 55.85	− 3 20.2	1.775	2.665	11.4	18.9
11 27	1 48.07	− 2 12.1	1.845	2.659	14.4	19.1
12 7	1 42.81	− 0 49.7	1.934	2.654	17.1	19.3

77574 2001 KD_{11} 10 29.3 168°.65 1°.1/28.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 40.99	+13 1.7	1.827	2.696	12.9	20.0
10 8	2 34.40	+12 19.0	1.763	2.700	9.1	19.8
10 18	2 25.86	+11 27.8	1.724	2.703	4.9	19.6
10 28	2 16.25	+10 32.4	1.714	2.706	1.1	19.3
11 7	2 6.64	+ 9 38.9	1.732	2.709	4.5	19.5
11 17	1 58.08	+ 8 52.8	1.779	2.710	8.7	19.8
11 27	1 51.43	+ 8 19.2	1.852	2.711	12.4	20.0
12 7	1 47.21	+ 8 0.7	1.946	2.712	15.5	20.3

63783 2001 RK_{8} 10 29.3 347°.05 1°.8/30.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 37.49	+20 13.6	1.773	2.632	13.7	19.5
10 8	2 32.12	+19 57.4	1.703	2.630	10.1	19.3
10 18	2 24.71	+19 26.6	1.656	2.628	6.0	19.1
10 28	2 16.12	+18 43.7	1.636	2.626	2.2	18.8
11 7	2 7.44	+17 53.2	1.644	2.625	3.8	18.9
11 17	1 59.75	+17 1.3	1.679	2.624	7.9	19.2
11 27	1 53.99	+16 14.6	1.739	2.623	11.8	19.4
12 7	1 50.69	+15 38.3	1.822	2.622	15.1	19.6

2020	α_{2000}	δ_{2000}	Δ	r	β	V
453499 2009 TR_{30}			10 29.3 235°.30	2°.2/27.2 18		
	h m	° ′			°	m
9 28	2 34.83	+ 9 11.2	2.231	3.108	10.6	21.7
10 8	2 29.79	+ 8 16.3	2.166	3.107	7.4	21.5
10 18	2 23.27	+ 7 17.1	2.127	3.106	4.1	21.3
10 28	2 15.94	+ 6 18.1	2.117	3.105	2.2	21.1
11 7	2 8.60	+ 5 24.6	2.136	3.104	4.7	21.3
11 17	2 2.01	+ 4 41.0	2.183	3.103	8.0	21.5
11 27	1 56.84	+ 4 10.8	2.256	3.103	11.0	21.7
12 7	1 53.54	+ 3 55.7	2.352	3.102	13.6	21.9
209306 2003 YY_{156}			10 29.3 358°.30	7°.7/24.4 18		
9 28	2 37.88	− 3 16.2	1.443	2.334	14.3	19.4
10 8	2 32.50	− 4 14.5	1.395	2.332	11.0	19.2
10 18	2 24.93	− 5 4.3	1.369	2.331	8.3	19.1
10 28	2 16.15	− 5 37.4	1.367	2.330	7.9	19.1
11 7	2 7.38	− 5 47.5	1.391	2.330	10.1	19.2
11 17	1 59.81	− 5 32.1	1.438	2.330	13.4	19.4
11 27	1 54.39	− 4 51.5	1.507	2.331	16.6	19.6
12 7	1 51.63	− 3 49.2	1.594	2.333	19.4	19.8
44230 1998 QS_{22}			10 29.3 69°.27	1°.4/28.4 18		
9 28	2 39.93	+11 12.0	1.660	2.538	13.5	17.6
10 8	2 33.72	+10 48.1	1.608	2.549	9.5	17.4
10 18	2 25.50	+10 18.0	1.580	2.560	5.1	17.2
10 28	2 16.22	+ 9 46.1	1.579	2.571	1.4	16.9
11 7	2 7.01	+ 9 17.4	1.606	2.582	4.7	17.2
11 17	1 58.96	+ 8 56.5	1.660	2.594	9.0	17.5
11 27	1 52.93	+ 8 47.2	1.739	2.605	12.8	17.7
12 7	1 49.41	+ 8 51.5	1.839	2.616	15.9	18.0
370909 2005 GK_{222}			10 29.3 260°.01	1°.6/28.3 18		
9 28	2 40.09	+12 38.9	1.473	2.354	14.7	21.4
10 8	2 34.30	+11 51.3	1.401	2.344	10.5	21.1
10 18	2 26.05	+10 52.7	1.352	2.332	5.7	20.8
10 28	2 16.31	+ 9 48.7	1.329	2.321	1.6	20.5
11 7	2 6.36	+ 8 46.9	1.333	2.309	5.5	20.8
11 17	1 57.54	+ 7 54.9	1.363	2.297	10.5	21.0
11 27	1 50.97	+ 7 19.3	1.417	2.285	15.0	21.3
12 7	1 47.30	+ 7 3.1	1.491	2.273	18.7	21.5
305918 2009 FU_{61}			10 29.3 43°.62	2°.5/27.2 18		
9 28	2 36.64	+ 9 23.1	1.800	2.682	12.4	20.7
10 8	2 31.32	+ 8 25.6	1.741	2.684	8.7	20.4
10 18	2 24.20	+ 7 22.7	1.706	2.686	4.8	20.2
10 28	2 16.07	+ 6 20.1	1.699	2.688	2.6	20.1
11 7	2 7.96	+ 5 24.4	1.720	2.690	5.4	20.3
11 17	2 0.80	+ 4 40.9	1.768	2.692	9.3	20.5
11 27	1 55.42	+ 4 13.7	1.841	2.694	12.8	20.7
12 7	1 52.31	+ 4 4.2	1.934	2.696	15.7	20.9
407939 2012 CN_{42}			10 29.3 146°.86	4°.8/24.8 18		
9 28	2 35.37	+ 1 8.7	2.147	3.028	10.7	21.1
10 8	2 30.17	+ 0 2.6	2.091	3.029	7.9	21.0
10 18	2 23.49	− 1 1.4	2.062	3.030	5.4	20.8
10 28	2 15.99	− 1 57.5	2.060	3.031	4.9	20.8
11 7	2 8.51	− 2 40.4	2.087	3.031	6.9	20.9
11 17	2 1.82	− 3 6.6	2.141	3.032	9.6	21.1
11 27	1 56.60	− 3 14.2	2.219	3.033	12.4	21.3
12 7	1 53.28	− 3 3.7	2.318	3.033	14.7	21.5
511926 2015 HG_{152}			10 29.3 275°.66	0°.4/29.6 18		
9 28	2 39.72	+17 17.7	1.492	2.365	15.1	21.5
10 8	2 34.16	+16 40.9	1.411	2.347	11.0	21.2
10 18	2 26.05	+15 48.1	1.352	2.329	6.2	20.9
10 28	2 16.32	+14 42.9	1.318	2.311	1.0	20.5
11 7	2 6.28	+13 32.3	1.312	2.293	4.6	20.7
11 17	1 57.29	+12 24.6	1.332	2.275	9.9	20.9
11 27	1 50.55	+11 28.4	1.377	2.256	14.6	21.2
12 7	1 46.79	+10 49.5	1.441	2.237	18.6	21.4
517090 2013 CX_{164}			10 29.3 148°.36	0°.7/29.9 18		
9 28	2 38.80	+16 49.7	2.052	2.911	12.1	21.9
10 8	2 32.77	+16 36.1	1.984	2.914	8.7	21.7
10 18	2 24.97	+16 12.8	1.941	2.917	4.9	21.5
10 28	2 16.18	+15 42.1	1.927	2.919	1.0	21.2
11 7	2 7.34	+15 7.7	1.941	2.921	3.4	21.4
11 17	1 59.39	+14 34.4	1.984	2.924	7.3	21.6
11 27	1 53.14	+14 6.7	2.053	2.926	10.8	21.9
12 7	1 49.08	+13 48.3	2.146	2.928	13.7	22.1
48911 1998 MU_{48}			10 29.3 44°.63	6°.0/26.5 18		
9 28	2 42.34	+ 2 19.0	1.073	1.974	17.3	17.7
10 8	2 35.83	+ 1 36.6	1.047	1.995	12.5	17.5
10 18	2 26.70	+ 0 59.3	1.041	2.018	7.9	17.4
10 28	2 16.36	+ 0 35.1	1.060	2.041	6.1	17.4
11 7	2 6.46	+ 0 30.2	1.102	2.065	9.0	17.6
11 17	1 58.39	+ 0 46.9	1.168	2.089	13.2	17.9
11 27	1 53.12	+ 1 24.8	1.254	2.114	17.1	18.2
12 7	1 51.03	+ 2 20.9	1.359	2.139	20.3	18.5

2020	α_{2000}	δ_{2000}	Δ	r	β	V
258868 2002 PQ_{172}			10 29.3 147°.81	1°.0/30.4 18		
	h m	° ′			°	m
9 28	2 35.87	+19 1.8	2.732	3.578	9.9	21.2
10 8	2 30.33	+18 36.1	2.663	3.585	7.2	21.0
10 18	2 23.51	+18 1.2	2.621	3.592	4.1	20.8
10 28	2 16.01	+17 19.2	2.607	3.598	1.2	20.6
11 7	2 8.51	+16 33.4	2.624	3.604	2.7	20.8
11 17	2 1.68	+15 47.7	2.671	3.610	5.7	21.0
11 27	1 56.12	+15 6.2	2.746	3.615	8.5	21.2
12 7	1 52.22	+14 32.1	2.846	3.621	10.9	21.3
277160 2005 MC_{48}			10 29.3 32°.59	4°.3/26.5 18		
9 28	2 37.04	+ 8 4.0	1.146	2.049	16.3	20.5
10 8	2 32.18	+ 6 43.3	1.106	2.059	11.5	20.3
10 18	2 24.82	+ 5 17.5	1.089	2.070	6.6	20.1
10 28	2 16.16	+ 3 57.0	1.095	2.082	4.4	20.0
11 7	2 7.68	+ 2 51.8	1.126	2.094	7.9	20.2
11 17	2 0.72	+ 2 9.2	1.181	2.107	12.5	20.5
11 27	1 56.27	+ 1 52.7	1.256	2.121	16.7	20.8
12 7	1 54.78	+ 2 1.4	1.350	2.136	20.1	21.1
332013 2005 NN_{11}			10 29.3 63°.96	0°.5/29.7 16		
9 28	2 42.22	+16 55.0	1.305	2.181	16.6	21.2
10 8	2 35.63	+16 28.0	1.265	2.203	11.8	20.9
10 18	2 26.60	+15 47.0	1.247	2.225	6.5	20.7
10 28	2 16.37	+14 56.7	1.255	2.248	1.1	20.4
11 7	2 6.42	+14 4.1	1.289	2.270	4.6	20.7
11 17	1 58.08	+13 16.7	1.349	2.293	9.6	21.1
11 27	1 52.31	+12 41.3	1.433	2.315	13.9	21.4
12 7	1 49.54	+12 21.4	1.537	2.338	17.4	21.7
301742 2010 GS_{160}			10 29.3 204°.23	4°.3/25.2 18		
9 28	2 36.85	+ 4 39.7	1.993	2.875	11.4	20.7
10 8	2 31.35	+ 3 9.9	1.931	2.872	8.2	20.5
10 18	2 24.19	+ 1 37.8	1.895	2.868	5.2	20.3
10 28	2 16.10	+ 0 10.7	1.888	2.864	4.5	20.3
11 7	2 7.99	− 1 4.1	1.909	2.860	6.8	20.4
11 17	2 0.74	− 2 1.2	1.958	2.855	10.1	20.6
11 27	1 55.10	− 2 37.3	2.032	2.850	13.1	20.8
12 7	1 51.54	− 2 51.9	2.125	2.845	15.7	21.0
289880 2005 MZ_{24}			10 29.3 74°.28	0°.6/29.9 18		
9 28	2 37.32	+18 1.6	1.844	2.708	13.1	20.5
10 8	2 31.85	+17 24.1	1.780	2.712	9.4	20.2
10 18	2 24.51	+16 33.8	1.740	2.716	5.3	20.0
10 28	2 16.14	+15 34.5	1.727	2.720	1.1	19.7
11 7	2 7.78	+14 31.7	1.742	2.724	3.7	19.9
11 17	2 0.41	+13 31.8	1.786	2.728	7.8	20.2
11 27	1 54.86	+12 41.0	1.856	2.732	11.6	20.4
12 7	1 51.62	+12 3.4	1.947	2.736	14.7	20.7
360683 2004 RA_{299}			10 29.3 69°.91	2°.1/27.5 18		
9 28	2 37.46	+ 9 54.8	1.982	2.858	11.7	21.0
10 8	2 31.59	+ 9 2.3	1.943	2.884	8.2	20.8
10 18	2 24.20	+ 8 5.7	1.930	2.909	4.4	20.6
10 28	2 16.10	+ 7 10.1	1.945	2.935	2.1	20.5
11 7	2 8.19	+ 6 20.9	1.989	2.960	4.7	20.8
11 17	2 1.28	+ 5 42.4	2.061	2.985	8.1	21.0
11 27	1 56.05	+ 5 17.7	2.159	3.010	11.2	21.3
12 7	1 52.86	+ 5 7.9	2.279	3.035	13.8	21.5
260371 2004 VQ_{4}			10 29.3 312°.42	5°.8/ 3.9 17		
9 28	2 36.72	+32 55.4	2.046	2.847	14.4	20.0
10 8	2 31.63	+32 51.1	1.959	2.835	11.7	19.8
10 18	2 24.51	+32 24.5	1.894	2.824	8.9	19.6
10 28	2 16.16	+31 34.7	1.853	2.813	6.4	19.5
11 7	2 7.64	+30 24.6	1.840	2.802	5.9	19.4
11 17	2 0.04	+28 59.9	1.854	2.792	7.9	19.5
11 27	1 54.29	+27 29.2	1.894	2.781	10.8	19.7
12 7	1 50.98	+26 1.0	1.959	2.771	13.7	19.9
110397 2001 TO_{9}			10 29.3 347°.21	0°.0/29.2 18		
9 28	2 36.61	+15 40.6	1.724	2.598	13.3	19.4
10 8	2 31.50	+15 8.3	1.657	2.595	9.5	19.2
10 18	2 24.39	+14 25.0	1.614	2.593	5.2	18.9
10 28	2 16.14	+13 34.3	1.597	2.590	0.6	18.6
11 7	2 7.82	+12 42.0	1.608	2.588	4.0	18.9
11 17	2 0.48	+11 54.3	1.646	2.587	8.5	19.1
11 27	1 55.02	+11 16.7	1.709	2.585	12.4	19.4
12 7	1 51.99	+10 53.2	1.794	2.584	15.7	19.6
163318 2002 JC_{89}			10 29.3 63°.30	0°.2/29.5 18		
9 28	2 40.96	+15 35.0	1.540	2.412	14.7	19.9
10 8	2 34.50	+15 14.6	1.497	2.433	10.4	19.7
10 18	2 25.93	+14 43.5	1.477	2.455	5.7	19.5
10 28	2 16.31	+14 5.5	1.483	2.476	0.7	19.2
11 7	2 6.89	+13 26.1	1.517	2.498	4.2	19.5
11 17	1 58.81	+12 51.1	1.578	2.519	8.7	19.8
11 27	1 52.95	+12 25.8	1.664	2.541	12.6	20.1
12 7	1 49.75	+12 13.4	1.771	2.563	15.8	20.3

30630 4733 *P–L* 10 29.3 66°.57 3°.2/27.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 28	2 39.12	+ 9 12.5	1.389	2.279	14.9	19.4
10 8	2 33.34	+ 8 3.3	1.346	2.293	10.4	19.2
10 18	2 25.35	+ 6 48.5	1.326	2.307	5.8	19.0
10 28	2 16.25	+ 5 36.0	1.332	2.321	3.3	18.9
11 7	2 7.32	+ 4 34.3	1.365	2.335	6.5	19.1
11 17	1 59.76	+ 3 49.7	1.424	2.350	10.9	19.4
11 27	1 54.47	+ 3 26.1	1.506	2.364	14.8	19.7
12 7	1 51.89	+ 3 24.1	1.606	2.378	18.0	19.9

146275 2001 FK_{12} 10 29.3 88°.06 0°.3/29.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 43.65	+14 13.3	1.463	2.337	15.3	19.1
10 8	2 36.51	+13 54.8	1.418	2.356	10.8	18.9
10 18	2 27.06	+13 26.4	1.395	2.374	5.9	18.7
10 28	2 16.45	+12 52.1	1.399	2.393	0.7	18.3
11 7	2 6.03	+12 17.4	1.431	2.411	4.6	18.7
11 17	1 57.07	+11 48.2	1.490	2.429	9.3	19.0
11 27	1 50.50	+11 29.5	1.573	2.447	13.4	19.3
12 7	1 46.81	+11 24.4	1.677	2.464	16.8	19.6

267904 2004 BX_{114} 10 29.3 222°.24 5°.2/ 1.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 45.06	+27 17.3	1.811	2.632	15.1	20.5
10 8	2 37.82	+27 48.6	1.729	2.625	11.9	20.3
10 18	2 28.03	+28 1.5	1.669	2.617	8.4	20.1
10 28	2 16.60	+27 54.2	1.636	2.608	5.6	19.9
11 7	2 4.84	+27 27.9	1.630	2.599	5.7	19.9
11 17	1 54.11	+26 47.4	1.652	2.590	8.7	20.0
11 27	1 45.62	+26 0.5	1.701	2.580	12.3	20.2
12 7	1 40.07	+25 15.3	1.771	2.569	15.6	20.4

294589 2007 YN_{68} 10 29.3 300°.64 2°.2/27.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 37.93	+ 8 58.1	1.834	2.714	12.3	20.8
10 8	2 32.33	+ 8 26.3	1.767	2.708	8.7	20.6
10 18	2 24.83	+ 7 50.2	1.723	2.703	4.8	20.4
10 28	2 16.22	+ 7 14.3	1.707	2.697	2.2	20.2
11 7	2 7.52	+ 6 43.5	1.719	2.691	5.1	20.4
11 17	1 59.73	+ 6 22.3	1.758	2.686	9.0	20.6
11 27	1 53.71	+ 6 14.3	1.823	2.680	12.7	20.8
12 7	1 50.01	+ 6 21.1	1.908	2.675	15.7	21.0

101502 1998 XZ_{9} 10 29.3 70°.08 1°.8/28.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 42.51	+10 52.6	1.374	2.257	15.4	19.6
10 8	2 35.74	+10 23.3	1.333	2.277	10.8	19.4
10 18	2 26.66	+ 9 47.5	1.315	2.296	5.8	19.2
10 28	2 16.42	+ 9 10.5	1.323	2.315	1.8	19.0
11 7	2 6.43	+ 8 38.5	1.358	2.335	5.4	19.2
11 17	1 57.93	+ 8 16.8	1.420	2.354	10.1	19.6
11 27	1 51.86	+ 8 9.4	1.505	2.374	14.2	19.9
12 7	1 48.67	+ 8 17.6	1.609	2.393	17.5	20.1

225400 1999 VB_{124} 10 29.3 74°.17 0°.5/29.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 35.45	+18 0.5	2.147	3.007	11.6	21.0
10 8	2 30.32	+17 14.7	2.080	3.011	8.4	20.8
10 18	2 23.62	+16 17.6	2.039	3.014	4.7	20.5
10 28	2 16.07	+15 12.6	2.025	3.018	0.9	20.3
11 7	2 8.53	+14 5.0	2.041	3.022	3.3	20.5
11 17	2 1.82	+13 0.6	2.086	3.026	7.0	20.7
11 27	1 56.66	+12 4.7	2.158	3.029	10.4	20.9
12 7	1 53.48	+11 21.3	2.252	3.033	13.2	21.1

9540 Mikhalkov 10 29.3 321°.64 1°.4/28.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 35.66	+11 20.5	1.925	2.804	11.9	17.4
10 8	2 30.71	+10 49.4	1.850	2.791	8.4	17.1
10 18	2 23.96	+10 11.9	1.799	2.780	4.6	16.9
10 28	2 16.13	+ 9 31.9	1.776	2.768	1.4	16.6
11 7	2 8.16	+ 8 54.2	1.781	2.757	4.4	16.8
11 17	2 0.99	+ 8 23.8	1.813	2.746	8.4	17.1
11 27	1 55.46	+ 8 4.8	1.871	2.736	12.0	17.3
12 7	1 52.12	+ 7 59.6	1.950	2.726	15.1	17.5

44077 1998 FW_{69} 10 29.3 157°.78 0°.5/28.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 43.26	+13 31.7	1.677	2.545	13.9	19.3
10 8	2 36.21	+13 11.6	1.615	2.551	9.9	19.1
10 18	2 26.96	+12 42.8	1.578	2.556	5.4	18.9
10 28	2 16.48	+12 8.8	1.567	2.561	0.7	18.5
11 7	2 6.01	+11 34.6	1.586	2.565	4.4	18.8
11 17	1 56.70	+11 5.5	1.632	2.568	8.9	19.1
11 27	1 49.53	+10 46.4	1.704	2.571	12.9	19.4
12 7	1 45.04	+10 40.2	1.797	2.574	16.2	19.6

66405 1999 LZ_{20} 10 29.3 33°.63 5°.8/26.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 42.18	+ 2 48.9	0.972	1.878	18.2	17.7
10 8	2 36.05	+ 2 22.9	0.941	1.892	13.1	17.5
10 18	2 26.99	+ 2 1.4	0.930	1.908	8.1	17.3
10 28	2 16.47	+ 1 52.2	0.941	1.925	5.8	17.3
11 7	2 6.30	+ 2 0.9	0.976	1.943	8.9	17.5
11 17	1 58.04	+ 2 29.9	1.033	1.962	13.6	17.8
11 27	1 52.80	+ 3 18.8	1.110	1.982	17.9	18.1
12 7	1 51.00	+ 4 24.5	1.205	2.003	21.5	18.5

411040 2009 UM_{142} 10 29.3 128°.34 1°.1/28.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 28	2 37.74	+10 32.8	2.384	3.251	10.3	21.0
10 8	2 31.80	+10 19.6	2.319	3.255	7.3	20.8
10 18	2 24.40	+10 2.6	2.280	3.259	3.9	20.6
10 28	2 16.18	+ 9 44.4	2.271	3.263	1.1	20.4
11 7	2 7.95	+ 9 28.1	2.291	3.266	3.7	20.6
11 17	2 0.47	+ 9 16.8	2.340	3.270	7.0	20.8
11 27	1 54.40	+ 9 13.2	2.417	3.273	10.0	21.0
12 7	1 50.19	+ 9 18.9	2.516	3.277	12.5	21.2

392698 2011 WP_{140} 10 29.3 118°.21 2°.3/27.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 39.91	+ 7 24.3	2.171	3.042	11.1	21.1
10 8	2 33.32	+ 6 57.4	2.120	3.057	7.8	20.9
10 18	2 25.20	+ 6 28.6	2.094	3.071	4.4	20.7
10 28	2 16.28	+ 6 1.6	2.097	3.085	2.3	20.6
11 7	2 7.45	+ 5 40.4	2.130	3.099	4.7	20.8
11 17	1 59.54	+ 5 28.1	2.192	3.112	7.9	21.0
11 27	1 53.22	+ 5 26.9	2.280	3.125	11.0	21.2
12 7	1 48.93	+ 5 37.6	2.391	3.137	13.5	21.5

75708 2000 AR_{117} 10 29.3 322°.83 7°.3/ 4.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 39.48	+34 57.8	1.769	2.564	16.5	19.1
10 8	2 33.90	+35 7.2	1.691	2.560	13.6	18.9
10 18	2 25.88	+34 50.3	1.634	2.556	10.6	18.7
10 28	2 16.39	+34 5.3	1.600	2.553	8.0	18.5
11 7	2 6.75	+32 54.6	1.593	2.549	7.3	18.5
11 17	1 58.28	+31 25.2	1.611	2.546	9.1	18.6
11 27	1 52.07	+29 47.2	1.656	2.543	12.1	18.7
12 7	1 48.76	+28 11.1	1.723	2.540	15.1	18.9

309545 2007 YV_{36} 10 29.3 272°.63 0°.4/29.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 38.49	+13 46.4	1.888	2.759	12.5	21.4
10 8	2 32.72	+13 25.0	1.819	2.756	8.9	21.2
10 18	2 25.05	+12 55.4	1.774	2.753	4.8	21.0
10 28	2 16.29	+12 20.8	1.756	2.749	0.6	20.6
11 7	2 7.43	+11 45.9	1.767	2.746	4.0	20.9
11 17	1 59.49	+11 15.4	1.806	2.743	8.1	21.1
11 27	1 53.32	+10 53.9	1.871	2.740	11.8	21.4
12 7	1 49.47	+10 44.4	1.957	2.737	15.0	21.6

366779 2004 TH_{158} 10 29.3 332°.39 2°.1/30.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 39.79	+18 41.8	1.088	1.974	18.4	20.8
10 8	2 34.88	+18 44.5	1.023	1.964	13.6	20.5
10 18	2 26.73	+18 29.3	0.978	1.955	8.1	20.2
10 28	2 16.51	+17 57.6	0.955	1.946	2.6	19.8
11 7	2 5.97	+17 15.3	0.955	1.938	5.3	20.0
11 17	1 56.89	+16 31.1	0.979	1.931	11.2	20.3
11 27	1 50.77	+15 54.6	1.025	1.925	16.6	20.6
12 7	1 48.38	+15 32.9	1.089	1.920	21.1	20.8

48345 2662 *P–L* 10 29.3 313°.40 2°.5/30.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 43.44	+18 46.1	1.360	2.228	16.5	18.8
10 8	2 37.06	+19 11.9	1.290	2.221	12.3	18.5
10 18	2 27.77	+19 24.1	1.241	2.214	7.4	18.2
10 28	2 16.64	+19 22.5	1.218	2.208	2.9	17.9
11 7	2 5.19	+19 9.9	1.220	2.202	4.9	18.1
11 17	1 55.02	+18 51.9	1.249	2.196	9.9	18.3
11 27	1 47.46	+18 35.5	1.301	2.190	14.6	18.6
12 7	1 43.27	+18 26.9	1.373	2.185	18.6	18.8

350541 2000 SH_{47} 10 29.3 353°.96 18°.8/ 8.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 49.88	+45 17.2	1.042	1.817	26.7	19.6
10 8	2 44.06	+47 56.5	0.987	1.814	24.2	19.4
10 18	2 32.77	+49 57.1	0.945	1.811	21.7	19.2
10 28	2 17.32	+51 2.6	0.920	1.809	19.7	19.1
11 7	2 0.61	+51 4.5	0.911	1.808	18.9	19.0
11 17	1 46.16	+50 6.4	0.920	1.808	19.4	19.1
11 27	1 36.83	+48 25.0	0.946	1.809	21.1	19.2
12 7	1 33.74	+46 22.4	0.987	1.810	23.4	19.4

410158 2007 JE_{20} 10 29.3 145°.54 0°.8/28.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 36.10	+12 36.9	2.607	3.470	9.7	22.1
10 8	2 30.54	+12 5.7	2.543	3.477	6.8	21.9
10 18	2 23.68	+11 29.2	2.505	3.484	3.7	21.8
10 28	2 16.13	+10 50.2	2.497	3.490	0.8	21.5
11 7	2 8.59	+10 12.3	2.519	3.496	3.3	21.7
11 17	2 1.73	+ 9 39.1	2.571	3.501	6.4	22.0
11 27	1 56.16	+ 9 13.9	2.650	3.506	9.2	22.2
12 7	1 52.26	+ 8 58.7	2.753	3.511	11.6	22.3

30195 Akdemir 10 29.3 76°.52 4°.1/ 1.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 43.90	+24 59.3	1.492	2.336	16.6	18.7
10 8	2 36.84	+25 4.7	1.444	2.357	12.6	18.5
10 18	2 27.34	+24 49.4	1.418	2.378	8.3	18.3
10 28	2 16.57	+24 14.5	1.417	2.400	4.6	18.2
11 7	2 5.97	+23 24.8	1.444	2.421	5.0	18.2
11 17	1 56.90	+22 27.8	1.497	2.442	8.7	18.5
11 27	1 50.35	+21 32.3	1.575	2.463	12.6	18.8
12 7	1 46.81	+20 45.4	1.675	2.483	15.9	19.1

2020	α_{2000}	δ_{2000}	Δ	r	β	V
361840 2008 DY_{33}		10 29.3 150°.46	5°.9/ 3.9 18			
	h m	° ′			°	m
9 28	2 41.61	+33 43.9	2.367	3.146	13.3	20.9
10 8	2 34.88	+34 8.3	2.292	3.152	10.9	20.8
10 18	2 26.23	+34 13.8	2.240	3.157	8.4	20.6
10 28	2 16.45	+33 58.9	2.214	3.162	6.4	20.5
11 7	2 6.57	+33 24.9	2.216	3.167	6.0	20.5
11 17	1 57.60	+32 35.9	2.246	3.171	7.5	20.6
11 27	1 50.42	+31 38.3	2.303	3.175	9.8	20.8
12 7	1 45.57	+30 39.2	2.385	3.179	12.2	20.9
348288 2004 XQ_{41}		10 29.4 345°.82	4°.4/26.8 18			
9 28	2 35.39	+ 6 9.2	1.159	2.065	15.9	19.2
10 8	2 31.35	+ 5 26.8	1.099	2.053	11.4	18.9
10 18	2 24.63	+ 4 41.4	1.060	2.042	6.8	18.6
10 28	2 16.27	+ 4 1.0	1.045	2.032	4.5	18.4
11 7	2 7.73	+ 3 33.6	1.053	2.023	7.9	18.6
11 17	2 0.45	+ 3 25.4	1.084	2.017	12.8	18.9
11 27	1 55.65	+ 3 39.7	1.136	2.011	17.3	19.1
12 7	1 54.00	+ 4 16.2	1.205	2.007	21.2	19.4
287016 2002 QK_{85}		10 29.4 18°.34	3°.4/31.9 18			
9 28	2 38.79	+23 47.7	1.609	2.460	15.3	20.6
10 8	2 33.29	+23 44.6	1.543	2.462	11.6	20.4
10 18	2 25.50	+23 23.1	1.500	2.464	7.5	20.2
10 28	2 16.38	+22 44.2	1.482	2.467	3.9	20.0
11 7	2 7.20	+21 52.4	1.491	2.471	4.5	20.0
11 17	1 59.17	+20 54.7	1.527	2.474	8.4	20.3
11 27	1 53.32	+19 58.9	1.588	2.478	12.3	20.5
12 7	1 50.22	+19 12.1	1.671	2.483	15.7	20.7
352355 2007 VX_{170}		10 29.4 231°.20	3°.2/ 1.1 18			
9 28	2 38.68	+25 4.4	1.974	2.809	13.5	20.9
10 8	2 32.94	+24 47.3	1.896	2.805	10.3	20.7
10 18	2 25.23	+24 12.7	1.840	2.800	6.8	20.5
10 28	2 16.36	+23 21.7	1.812	2.795	3.7	20.3
11 7	2 7.38	+22 18.4	1.812	2.790	4.1	20.3
11 17	1 59.33	+21 9.0	1.840	2.784	7.4	20.5
11 27	1 53.11	+20 1.0	1.895	2.779	11.0	20.7
12 7	1 49.28	+19 1.0	1.974	2.773	14.1	20.9
300781 2007 VW_{286}		10 29.4 315°.94	5°.8/24.4 18			
9 28	2 34.17	+ 4 19.8	1.476	2.374	13.6	20.0
10 8	2 30.15	+ 2 33.9	1.401	2.349	10.0	19.7
10 18	2 23.89	+ 0 42.3	1.350	2.325	6.7	19.5
10 28	2 16.22	− 1 4.8	1.324	2.300	6.1	19.4
11 7	2 8.28	− 2 36.2	1.325	2.277	9.1	19.5
11 17	2 1.27	− 3 43.2	1.351	2.254	13.2	19.7
11 27	1 56.24	− 4 20.6	1.397	2.232	17.2	19.9
12 7	1 53.85	− 4 27.8	1.461	2.210	20.5	20.1
236751 2007 LU_{32}		10 29.4 218°.72	5°.8/ 3.7 18			
9 28	2 40.22	+32 42.0	1.880	2.681	15.4	20.2
10 8	2 34.24	+32 30.5	1.799	2.678	12.5	20.0
10 18	2 26.01	+31 54.5	1.740	2.674	9.3	19.8
10 28	2 16.47	+30 53.2	1.707	2.670	6.6	19.6
11 7	2 6.83	+29 30.5	1.700	2.665	6.0	19.6
11 17	1 58.29	+27 53.4	1.722	2.661	8.3	19.7
11 27	1 51.87	+26 12.0	1.770	2.656	11.5	19.9
12 7	1 48.14	+24 35.9	1.841	2.651	14.6	20.1
205305 2000 SS_{303}		10 29.4 2°.16	7°.1/ 2.6 18			
9 28	2 39.58	+28 39.2	1.251	2.099	19.0	18.9
10 8	2 34.60	+29 24.8	1.189	2.097	15.2	18.6
10 18	2 26.53	+29 45.4	1.146	2.097	11.1	18.4
10 28	2 16.55	+29 37.8	1.126	2.097	7.8	18.2
11 7	2 6.32	+29 4.2	1.128	2.099	7.6	18.2
11 17	1 57.54	+28 11.8	1.155	2.101	10.6	18.4
11 27	1 51.63	+27 11.6	1.205	2.105	14.6	18.6
12 7	1 49.28	+26 14.6	1.274	2.110	18.3	18.9
173798 2001 SA_{191}		10 29.4 332°.54	1°.4/28.3 18			
9 28	2 37.05	+12 3.4	1.777	2.655	12.7	20.4
10 8	2 31.78	+11 25.1	1.710	2.652	9.0	20.2
10 18	2 24.59	+10 39.2	1.668	2.648	4.9	19.9
10 28	2 16.30	+ 9 50.2	1.653	2.645	1.4	19.7
11 7	2 7.94	+ 9 3.8	1.666	2.642	4.6	19.9
11 17	2 0.52	+ 8 25.4	1.706	2.640	8.8	20.2
11 27	1 54.91	+ 7 59.7	1.771	2.637	12.6	20.4
12 7	1 51.65	+ 7 49.2	1.857	2.635	15.7	20.6
452736 2006 BP_{44}		10 29.4 275°.64	3°.2/26.2 17			
9 28	2 35.31	+ 5 41.9	2.336	3.214	10.1	21.8
10 8	2 30.25	+ 4 44.6	2.254	3.194	7.2	21.6
10 18	2 23.68	+ 3 44.6	2.198	3.173	4.4	21.4
10 28	2 16.19	+ 2 46.8	2.170	3.153	3.3	21.3
11 7	2 8.56	+ 1 56.4	2.172	3.132	5.4	21.4
11 17	2 1.54	+ 1 17.8	2.203	3.111	8.6	21.6
11 27	1 55.86	+ 0 54.3	2.258	3.090	11.6	21.7
12 7	1 52.01	+ 0 47.1	2.336	3.068	14.1	21.9

2020	α_{2000}	δ_{2000}	Δ	r	β	V
347824 2002 OM_{36}		10 29.4 82°.15	6°.3/25.2 18			
	h m	° ′			°	m
9 28	2 40.60	− 2 23.8	1.745	2.624	12.9	20.3
10 8	2 34.06	− 3 9.3	1.704	2.637	9.7	20.1
10 18	2 25.70	− 3 47.6	1.688	2.650	7.0	20.0
10 28	2 16.42	− 4 12.6	1.698	2.663	6.4	20.0
11 7	2 7.30	− 4 19.8	1.736	2.676	8.3	20.1
11 17	1 59.32	− 4 7.1	1.799	2.689	11.3	20.3
11 27	1 53.26	− 3 35.0	1.886	2.702	14.1	20.5
12 7	1 49.56	− 2 45.6	1.993	2.714	16.6	20.8
104866 2000 HM_{86}		10 29.4 314°.10	0°.4/28.9 18			
9 28	2 33.92	+15 56.1	2.284	3.150	10.8	18.9
10 8	2 29.23	+14 54.1	2.211	3.146	7.7	18.7
10 18	2 23.08	+13 41.8	2.163	3.142	4.2	18.4
10 28	2 16.12	+12 23.7	2.145	3.138	0.5	18.1
11 7	2 9.13	+11 5.2	2.156	3.134	3.5	18.4
11 17	2 2.86	+ 9 52.2	2.196	3.130	7.1	18.6
11 27	1 57.99	+ 8 49.9	2.263	3.127	10.3	18.8
12 7	1 54.96	+ 8 1.7	2.354	3.123	13.0	19.0
255489 2006 AS_{7}		10 29.4 242°.75	7°.8/21.0 18			
9 28	2 39.11	−15 59.3	2.819	3.652	10.0	21.0
10 8	2 32.66	−16 43.9	2.758	3.637	8.6	20.9
10 18	2 24.87	−17 16.2	2.722	3.620	7.9	20.8
10 28	2 16.34	−17 31.3	2.714	3.604	8.1	20.8
11 7	2 7.77	−17 26.2	2.732	3.587	9.2	20.9
11 17	1 59.84	−16 59.9	2.775	3.570	10.7	21.0
11 27	1 53.17	−16 13.4	2.842	3.552	12.4	21.1
12 7	1 48.18	−15 9.3	2.928	3.534	13.9	21.2
75667 2000 AM_{86}		10 29.4 331°.50	2°.0/28.1 18			
9 28	2 36.37	+11 3.7	1.391	2.283	14.7	19.0
10 8	2 31.82	+10 27.7	1.320	2.268	10.5	18.7
10 18	2 24.84	+ 9 43.2	1.272	2.254	5.7	18.4
10 28	2 16.36	+ 8 55.7	1.249	2.241	2.0	18.2
11 7	2 7.65	+ 8 12.2	1.251	2.228	5.7	18.4
11 17	2 0.00	+ 7 39.4	1.279	2.216	10.7	18.6
11 27	1 54.56	+ 7 22.9	1.329	2.206	15.2	18.9
12 7	1 51.99	+ 7 25.2	1.398	2.196	19.0	19.1
132400 2002 GS_{100}		10 29.4 71°.90	1°.8/27.9 18			
9 28	2 39.11	+12 38.1	1.593	2.472	13.9	19.7
10 8	2 33.10	+11 27.6	1.554	2.496	9.7	19.5
10 18	2 25.18	+10 9.0	1.539	2.520	5.2	19.3
10 28	2 16.37	+ 8 49.3	1.551	2.543	1.8	19.1
11 7	2 7.81	+ 7 36.0	1.592	2.567	5.1	19.4
11 17	2 0.52	+ 6 35.9	1.660	2.590	9.3	19.7
11 27	1 55.27	+ 5 53.5	1.752	2.613	12.9	20.0
12 7	1 52.47	+ 5 30.4	1.866	2.636	15.9	20.2
521982 2015 WE_{19}		10 29.4 121°.00	4°.6/ 3.7 18			
9 28	2 38.08	+32 22.9	2.565	3.353	12.1	21.1
10 8	2 32.12	+32 7.5	2.495	3.365	9.7	21.0
10 18	2 24.62	+31 34.1	2.448	3.377	7.2	20.8
10 28	2 16.32	+30 43.1	2.428	3.388	5.1	20.7
11 7	2 8.06	+29 37.5	2.437	3.400	4.7	20.7
11 17	2 0.67	+28 22.3	2.476	3.411	6.3	20.8
11 27	1 54.83	+27 3.9	2.543	3.421	8.7	21.0
12 7	1 50.97	+25 48.5	2.635	3.432	11.1	21.2
166381 2002 LT_{46}		10 29.4 75°.47	10°.7/22.3 18			
9 28	2 42.07	−14 41.8	1.692	2.549	14.4	19.2
10 8	2 35.00	−15 50.2	1.675	2.572	12.2	19.1
10 18	2 26.13	−16 38.5	1.681	2.595	10.9	19.1
10 28	2 16.49	−16 59.7	1.711	2.618	11.0	19.1
11 7	2 7.19	−16 50.6	1.765	2.641	12.3	19.3
11 17	1 59.24	−16 12.3	1.842	2.663	14.3	19.5
11 27	1 53.34	−15 8.2	1.940	2.686	16.3	19.7
12 7	1 49.87	−13 44.1	2.055	2.708	18.0	19.9
344625 2003 HV_{34}		10 29.4 79°.89	1°.6/28.2 18			
9 28	2 41.69	+12 9.4	1.617	2.492	14.0	21.3
10 8	2 34.85	+11 18.6	1.581	2.521	9.8	21.1
10 18	2 26.10	+10 20.6	1.569	2.549	5.2	20.9
10 28	2 16.49	+ 9 21.4	1.585	2.577	1.6	20.8
11 7	2 7.17	+ 8 27.3	1.629	2.604	4.9	21.1
11 17	1 59.19	+ 7 44.1	1.700	2.631	9.0	21.4
11 27	1 53.33	+ 7 15.8	1.797	2.658	12.7	21.6
12 7	1 49.97	+ 7 4.0	1.915	2.684	15.6	21.9
265515 2005 LL_{24}		10 29.4 33°.94	2°.5/28.2 18			
9 28	2 41.14	+ 9 24.8	1.037	1.938	17.8	19.7
10 8	2 35.33	+ 9 5.5	1.001	1.953	12.5	19.5
10 18	2 26.68	+ 8 40.9	0.986	1.969	6.8	19.3
10 28	2 16.58	+ 8 17.1	0.995	1.986	2.5	19.1
11 7	2 6.75	+ 8 0.7	1.027	2.004	6.5	19.4
11 17	1 58.70	+ 7 57.1	1.083	2.024	11.8	19.7
11 27	1 53.54	+ 8 9.6	1.160	2.044	16.4	20.1
12 7	1 51.71	+ 8 38.4	1.255	2.064	20.1	20.4

263401 2008 DE_{17} 10 29.4 276°.41 3°.9/26.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 28	2 39.13	+ 8 8.5	1.440	2.330	14.5	21.1
10 8	2 33.76	+ 6 55.2	1.366	2.312	10.4	20.9
10 18	2 25.91	+ 5 34.0	1.315	2.295	6.0	20.6
10 28	2 16.52	+ 4 12.8	1.291	2.277	3.9	20.4
11 7	2 6.87	+ 3 1.1	1.292	2.259	7.3	20.6
11 17	1 58.28	+ 2 7.1	1.320	2.241	12.0	20.8
11 27	1 51.89	+ 1 36.3	1.370	2.223	16.3	21.0
12 7	1 48.39	+ 1 30.4	1.438	2.205	20.0	21.2

476487 2008 FR_{64} 10 29.4 123°.50 1°.1/28.6 16

9 28	2 42.26	+12 31.0	1.706	2.577	13.6	21.9
10 8	2 35.39	+11 56.1	1.653	2.591	9.6	21.7
10 18	2 26.51	+11 13.5	1.625	2.604	5.1	21.5
10 28	2 16.57	+10 27.7	1.624	2.617	1.2	21.2
11 7	2 6.74	+ 9 44.3	1.652	2.629	4.6	21.5
11 17	1 58.11	+ 9 8.6	1.708	2.640	8.9	21.8
11 27	1 51.53	+ 8 45.2	1.789	2.652	12.6	22.0
12 7	1 47.49	+ 8 36.4	1.892	2.662	15.7	22.3

336132 2008 PC_{14} 10 29.4 36°.48 3°.3/27.4 18

9 28	2 38.66	+ 8 44.5	1.239	2.135	15.8	19.9
10 8	2 33.29	+ 7 53.0	1.198	2.147	11.1	19.6
10 18	2 25.49	+ 6 56.7	1.179	2.160	6.2	19.4
10 28	2 16.45	+ 6 3.0	1.184	2.173	3.3	19.3
11 7	2 7.57	+ 5 19.9	1.215	2.188	6.7	19.5
11 17	2 0.15	+ 4 53.3	1.271	2.202	11.4	19.8
11 27	1 55.17	+ 4 46.6	1.348	2.217	15.5	20.1
12 7	1 53.10	+ 5 0.1	1.445	2.233	18.9	20.4

395404 2011 SW_{126} 10 29.4 102°.42 0°.9/30.0 16

9 28	2 42.97	+16 20.6	1.934	2.791	12.9	21.4
10 8	2 35.80	+16 28.8	1.877	2.805	9.3	21.2
10 18	2 26.72	+16 27.8	1.845	2.819	5.3	21.0
10 28	2 16.60	+16 19.3	1.841	2.833	1.3	20.8
11 7	2 6.52	+16 6.1	1.866	2.847	3.5	21.0
11 17	1 57.51	+15 52.3	1.921	2.861	7.5	21.2
11 27	1 50.41	+15 42.1	2.002	2.874	11.0	21.5
12 7	1 45.71	+15 38.9	2.106	2.887	14.0	21.7

88427 2001 QA_{62} 10 29.4 14°.90 2°.0/28.2 18

9 28	2 34.19	+12 33.2	0.938	1.849	18.2	18.0
10 8	2 30.69	+11 43.5	0.899	1.856	12.8	17.8
10 18	2 24.28	+10 41.8	0.880	1.864	6.9	17.5
10 28	2 16.31	+ 9 36.8	0.882	1.875	2.0	17.2
11 7	2 8.47	+ 8 39.2	0.907	1.887	6.5	17.6
11 17	2 2.29	+ 7 57.7	0.954	1.901	12.2	17.9
11 27	1 58.90	+ 7 38.3	1.021	1.916	17.1	18.3
12 7	1 58.78	+ 7 42.1	1.106	1.933	21.1	18.6

47206 1999 TU_{243} 10 29.4 109°.10 1°.8/30.4 17

9 28	2 45.13	+18 24.3	1.517	2.378	15.5	19.8
10 8	2 37.78	+18 31.4	1.462	2.390	11.4	19.6
10 18	2 27.95	+18 25.0	1.429	2.402	6.6	19.4
10 28	2 16.77	+18 6.5	1.422	2.413	2.2	19.1
11 7	2 5.61	+17 40.2	1.443	2.424	4.3	19.3
11 17	1 55.84	+17 11.7	1.492	2.435	8.9	19.6
11 27	1 48.51	+16 47.6	1.566	2.446	13.1	19.9
12 7	1 44.17	+16 32.7	1.660	2.456	16.5	20.1

384349 2009 TT_{44} 10 29.4 319°.39 2°.8/27.8 18

9 28	2 37.94	+ 9 44.9	1.262	2.158	15.6	20.4
10 8	2 33.20	+ 9 5.6	1.191	2.140	11.2	20.1
10 18	2 25.73	+ 8 18.2	1.141	2.123	6.2	19.8
10 28	2 16.52	+ 7 29.2	1.115	2.106	2.8	19.5
11 7	2 6.98	+ 6 46.4	1.115	2.090	6.6	19.7
11 17	1 58.60	+ 6 17.2	1.138	2.075	11.9	20.0
11 27	1 52.65	+ 6 7.3	1.184	2.060	16.7	20.2
12 7	1 49.87	+ 6 18.6	1.247	2.046	20.8	20.5

413269 2003 TF_{54} 10 29.4 50°.70 3°.6/25.8 18

9 28	2 34.54	+ 5 15.5	2.113	2.996	10.8	21.1
10 8	2 29.66	+ 4 5.9	2.061	3.003	7.7	20.9
10 18	2 23.32	+ 2 55.0	2.034	3.009	4.7	20.7
10 28	2 16.20	+ 1 48.9	2.035	3.015	3.7	20.7
11 7	2 9.12	+ 0 53.0	2.065	3.022	5.9	20.8
11 17	2 2.85	+ 0 11.8	2.122	3.029	8.9	21.0
11 27	1 58.04	− 0 12.1	2.204	3.035	11.8	21.2
12 7	1 55.12	− 0 18.2	2.308	3.042	14.2	21.4

482280 2011 SX_{146} 10 29.4 148°.06 1°.0/30.2 18

9 28	2 40.37	+17 39.3	1.979	2.835	12.6	21.8
10 8	2 34.02	+17 28.8	1.912	2.840	9.2	21.6
10 18	2 25.79	+17 7.6	1.870	2.844	5.2	21.4
10 28	2 16.51	+16 37.8	1.856	2.848	1.4	21.1
11 7	2 7.20	+16 3.3	1.871	2.852	3.5	21.3
11 17	1 58.83	+15 28.8	1.915	2.856	7.4	21.5
11 27	1 52.26	+14 59.5	1.985	2.859	11.0	21.8
12 7	1 48.00	+14 39.3	2.078	2.862	14.0	22.0

11283 1989 UX_4 10 29.4 27°.12 3°.3/27.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 28	2 37.98	+ 9 48.4	0.980	1.888	18.0	16.8
10 8	2 33.23	+ 8 55.5	0.944	1.899	12.6	16.5
10 18	2 25.61	+ 7 55.4	0.927	1.910	6.9	16.3
10 28	2 16.49	+ 6 57.0	0.933	1.924	3.3	16.1
11 7	2 7.57	+ 6 10.1	0.962	1.938	7.3	16.4
11 17	2 0.39	+ 5 42.0	1.014	1.953	12.6	16.7
11 27	1 56.06	+ 5 36.7	1.086	1.969	17.3	17.1
12 7	1 55.03	+ 5 53.9	1.175	1.987	21.1	17.4

265304 2004 HZ_{25} 10 29.4 223°.58 1°.5/28.5 18

9 28	2 44.53	+ 9 41.2	1.755	2.625	13.3	20.7
10 8	2 37.24	+ 9 37.6	1.682	2.618	9.5	20.4
10 18	2 27.69	+ 9 30.0	1.632	2.611	5.2	20.2
10 28	2 16.77	+ 9 21.3	1.611	2.603	1.6	19.9
11 7	2 5.65	+ 9 15.3	1.618	2.594	4.8	20.1
11 17	1 55.53	+ 9 15.6	1.654	2.585	9.2	20.4
11 27	1 47.46	+ 9 25.4	1.716	2.576	13.2	20.6
12 7	1 42.06	+ 9 46.6	1.799	2.566	16.5	20.8

273004 2006 DL_{73} 10 29.4 215°.09 3°.1/ 1.4 17

9 28	2 39.82	+25 17.3	2.885	3.698	10.3	21.2
10 8	2 33.35	+25 35.8	2.797	3.692	7.9	21.0
10 18	2 25.38	+25 43.0	2.735	3.685	5.4	20.9
10 28	2 16.49	+25 38.7	2.701	3.677	3.4	20.7
11 7	2 7.43	+25 24.2	2.698	3.669	3.6	20.7
11 17	1 58.96	+25 2.2	2.725	3.661	5.8	20.9
11 27	1 51.79	+24 36.7	2.780	3.652	8.3	21.0
12 7	1 46.40	+24 11.7	2.861	3.643	10.7	21.2

445516 2010 WW_{53} 10 29.4 38°.34 0°.7/29.9 18

9 28	2 39.07	+16 23.1	1.589	2.461	14.3	20.2
10 8	2 33.24	+16 15.9	1.545	2.481	10.3	20.0
10 18	2 25.38	+15 57.7	1.523	2.500	5.7	19.8
10 28	2 16.47	+15 31.6	1.528	2.521	1.1	19.5
11 7	2 7.70	+15 2.3	1.560	2.542	3.9	19.8
11 17	2 0.17	+14 35.1	1.619	2.564	8.3	20.1
11 27	1 54.72	+14 14.9	1.704	2.586	12.1	20.3
12 7	1 51.83	+14 5.3	1.809	2.608	15.3	20.6

361874 2008 FX_{17} 10 29.4 209°.56 1°.6/30.7 18

9 28	2 38.86	+19 27.1	2.090	2.942	12.2	21.2
10 8	2 32.95	+19 19.6	2.017	2.940	9.0	21.0
10 18	2 25.24	+19 0.6	1.968	2.939	5.4	20.7
10 28	2 16.47	+18 31.6	1.947	2.937	1.9	20.5
11 7	2 7.62	+17 56.3	1.954	2.935	3.4	20.6
11 17	1 59.61	+17 19.0	1.991	2.933	7.1	20.9
11 27	1 53.27	+16 45.1	2.054	2.931	10.6	21.1
12 7	1 49.14	+16 19.0	2.140	2.929	13.5	21.3

24910 Haruoando 10 29.4 318°.62 1°.1/29.9 18

9 28	2 38.23	+17 10.8	1.179	2.066	17.2	17.8
10 8	2 33.77	+17 1.0	1.101	2.043	12.7	17.5
10 18	2 26.25	+16 34.8	1.043	2.022	7.3	17.2
10 28	2 16.64	+15 54.6	1.008	2.000	1.6	16.7
11 7	2 6.50	+15 6.6	0.997	1.980	5.1	16.9
11 17	1 57.54	+14 19.3	1.010	1.961	11.2	17.2
11 27	1 51.26	+13 41.9	1.045	1.942	16.6	17.4
12 7	1 48.54	+13 21.2	1.098	1.924	21.3	17.7

451748 2013 EC_{83} 10 29.4 109°.79 2°.5/27.4 18

9 28	2 38.22	+ 7 28.5	2.091	2.966	11.2	21.5
10 8	2 32.30	+ 6 54.2	2.035	2.975	7.9	21.3
10 18	2 24.78	+ 6 17.7	2.005	2.983	4.5	21.1
10 28	2 16.42	+ 5 43.1	2.003	2.991	2.5	21.0
11 7	2 8.09	+ 5 14.8	2.030	2.999	4.9	21.1
11 17	2 0.64	+ 4 56.4	2.086	3.007	8.3	21.4
11 27	1 54.79	+ 4 50.4	2.167	3.014	11.4	21.6
12 7	1 50.97	+ 4 57.8	2.270	3.022	14.0	21.8

199911 2007 GH_{20} 10 29.4 35°.76 0°.8/30.2 18

9 28	2 35.50	+18 54.4	2.136	2.993	11.8	20.3
10 8	2 30.46	+18 14.4	2.068	2.996	8.5	20.1
10 18	2 23.82	+17 22.4	2.024	2.998	4.9	19.9
10 28	2 16.31	+16 21.6	2.008	3.000	1.2	19.7
11 7	2 8.78	+15 17.1	2.022	3.003	3.2	19.8
11 17	2 2.07	+14 14.4	2.064	3.006	6.9	20.1
11 27	1 56.92	+13 19.1	2.133	3.009	10.3	20.3
12 7	1 53.77	+12 35.4	2.226	3.011	13.2	20.5

489535 2007 RS_{153} 10 29.4 344°.05 1°.0/30.9 18

9 28	2 30.37	+19 55.0	4.177	5.015	6.9	21.2
10 8	2 26.27	+19 42.2	4.098	5.015	5.0	21.1
10 18	2 21.37	+19 23.3	4.047	5.014	3.0	20.9
10 28	2 16.02	+18 59.3	4.024	5.013	1.2	20.8
11 7	2 10.64	+18 32.1	4.033	5.013	1.9	20.9
11 17	2 5.63	+18 3.8	4.072	5.012	3.9	21.0
11 27	2 1.37	+17 36.7	4.140	5.012	5.8	21.1
12 7	1 58.15	+17 13.0	4.234	5.011	7.5	21.3

49012 1998 QR_{72} 10 29.4 97°.54 1°.7/30.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 28	2 41.01	+21 2.5	1.518	2.377	15.6	18.2
10 8	2 34.81	+20 23.7	1.462	2.390	11.4	18.0
10 18	2 26.33	+19 26.9	1.429	2.402	6.7	17.8
10 28	2 16.65	+18 16.0	1.423	2.414	2.2	17.5
11 7	2 7.07	+16 58.0	1.444	2.426	4.1	17.7
11 17	1 58.83	+15 41.7	1.492	2.437	8.7	18.0
11 27	1 52.89	+14 35.3	1.565	2.449	12.9	18.3
12 7	1 49.74	+13 44.5	1.660	2.460	16.4	18.5

264783 2002 KC_{9} 10 29.4 119°.97 4°.7/25.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 38.70	− 2 42.2	2.596	3.462	9.6	20.7
10 8	2 32.32	− 3 13.5	2.551	3.477	7.2	20.6
10 18	2 24.70	− 3 39.6	2.532	3.491	5.2	20.5
10 28	2 16.45	− 3 56.4	2.543	3.505	4.8	20.5
11 7	2 8.29	− 4 1.2	2.583	3.518	6.2	20.6
11 17	2 0.89	− 3 52.4	2.651	3.531	8.4	20.7
11 27	1 54.83	− 3 29.8	2.745	3.543	10.7	20.9
12 7	1 50.46	− 2 54.2	2.860	3.556	12.6	21.1

198992 2005 VL_{124} 10 29.4 62°.33 0°.3/29.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 40.90	+15 5.8	1.457	2.334	15.1	20.0
10 8	2 34.61	+14 30.4	1.417	2.356	10.7	19.8
10 18	2 26.15	+13 44.1	1.400	2.379	5.8	19.6
10 28	2 16.63	+12 51.9	1.408	2.402	0.7	19.3
11 7	2 7.36	+12 0.4	1.445	2.425	4.5	19.6
11 17	1 59.49	+11 16.2	1.507	2.448	9.1	19.9
11 27	1 53.90	+10 44.7	1.595	2.471	13.1	20.2
12 7	1 51.02	+10 28.7	1.703	2.494	16.4	20.5

82594 2001 OH_{91} 10 29.4 37°.60 6°.5/24.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 37.03	− 0 33.8	1.546	2.437	13.5	18.4
10 8	2 31.78	− 1 45.5	1.508	2.449	10.1	18.2
10 18	2 24.60	− 2 51.5	1.494	2.461	7.2	18.1
10 28	2 16.45	− 3 43.7	1.506	2.474	6.7	18.1
11 7	2 8.44	− 4 15.9	1.544	2.487	8.9	18.2
11 17	2 1.59	− 4 24.9	1.606	2.501	12.1	18.4
11 27	1 56.72	− 4 10.3	1.691	2.515	15.1	18.7
12 7	1 54.25	− 3 34.5	1.794	2.529	17.7	18.9

306167 2010 MP_{107} 10 29.4 74°.25 6°.4/ 4.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 40.00	+34 50.8	1.983	2.770	15.2	20.2
10 8	2 33.94	+34 50.9	1.920	2.784	12.4	20.1
10 18	2 25.83	+34 27.1	1.877	2.798	9.5	19.9
10 28	2 16.61	+33 38.8	1.860	2.812	7.1	19.8
11 7	2 7.44	+32 29.5	1.869	2.826	6.5	19.8
11 17	1 59.44	+31 5.5	1.906	2.839	8.1	19.9
11 27	1 53.49	+29 35.8	1.970	2.853	10.6	20.1
12 7	1 50.08	+28 8.8	2.057	2.867	13.3	20.3

353137 2009 GU_{1} 10 29.4 312°.05 0°.7/28.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 39.67	+12 41.9	1.669	2.545	13.6	21.2
10 8	2 33.90	+12 30.3	1.597	2.537	9.7	21.0
10 18	2 25.94	+12 11.1	1.549	2.529	5.3	20.7
10 28	2 16.65	+11 47.6	1.528	2.521	0.8	20.4
11 7	2 7.18	+11 24.1	1.534	2.514	4.4	20.6
11 17	1 58.70	+11 5.7	1.568	2.506	9.0	20.9
11 27	1 52.21	+10 56.6	1.626	2.499	13.1	21.1
12 7	1 48.32	+11 0.0	1.705	2.492	16.5	21.3

141507 2002 ER_{79} 10 29.4 109°.56 4°.2/ 1.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 46.21	+24 55.9	1.552	2.390	16.4	20.2
10 8	2 38.60	+25 7.7	1.498	2.407	12.5	20.0
10 18	2 28.47	+24 59.6	1.465	2.424	8.3	19.8
10 28	2 16.96	+24 31.8	1.459	2.440	4.7	19.7
11 7	2 5.54	+23 48.3	1.480	2.456	5.1	19.7
11 17	1 55.58	+22 56.1	1.528	2.471	8.7	20.0
11 27	1 48.17	+22 3.9	1.602	2.486	12.6	20.2
12 7	1 43.82	+21 19.1	1.697	2.500	15.9	20.5

195887 2002 RU_{18} 10 29.4 12°.94 1°.5/28.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 35.59	+10 47.4	1.956	2.835	11.7	19.7
10 8	2 30.62	+10 15.5	1.896	2.837	8.3	19.5
10 18	2 23.97	+ 9 38.4	1.860	2.840	4.5	19.3
10 28	2 16.40	+ 9 0.1	1.852	2.844	1.5	19.1
11 7	2 8.82	+ 8 25.2	1.872	2.848	4.3	19.3
11 17	2 2.09	+ 7 58.1	1.920	2.852	8.1	19.6
11 27	1 56.98	+ 7 42.5	1.993	2.857	11.5	19.8
12 7	1 53.95	+ 7 40.0	2.088	2.862	14.3	20.0

240193 2002 QJ_{127} 10 29.4 97°.02 8°.1/22.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 37.76	− 6 33.1	1.807	2.685	12.6	20.4
10 8	2 32.12	− 8 2.6	1.769	2.693	10.0	20.2
10 18	2 24.75	− 9 21.8	1.756	2.701	8.3	20.2
10 28	2 16.49	−10 22.8	1.769	2.709	8.4	20.2
11 7	2 8.34	−10 59.7	1.808	2.717	10.2	20.3
11 17	2 1.20	−11 10.1	1.871	2.725	12.7	20.5
11 27	1 55.84	−10 54.4	1.956	2.732	15.1	20.7
12 7	1 52.69	−10 15.9	2.058	2.740	17.2	20.9

43672 2002 GC_{17} 10 29.4 131°.45 0°.5/29.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 28	2 42.67	+12 27.1	1.804	2.672	13.1	19.2
10 8	2 35.78	+12 25.0	1.742	2.677	9.3	19.0
10 18	2 26.85	+12 16.6	1.704	2.682	5.1	18.7
10 28	2 16.77	+12 4.3	1.694	2.687	0.7	18.4
11 7	2 6.65	+11 51.8	1.713	2.692	4.1	18.7
11 17	1 57.58	+11 43.1	1.760	2.696	8.4	19.0
11 27	1 50.48	+11 41.7	1.833	2.701	12.1	19.2
12 7	1 45.88	+11 50.2	1.928	2.705	15.3	19.4

219273 2000 AS_{244} 10 29.4 225°.07 0°.7/28.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 40.24	+14 44.2	1.933	2.797	12.5	20.6
10 8	2 34.08	+13 51.5	1.852	2.786	8.9	20.4
10 18	2 25.97	+12 47.6	1.797	2.775	4.9	20.1
10 28	2 16.68	+11 36.9	1.770	2.763	0.8	19.8
11 7	2 7.25	+10 25.6	1.772	2.750	4.2	20.0
11 17	1 58.69	+ 9 20.3	1.803	2.736	8.5	20.2
11 27	1 51.91	+ 8 27.1	1.861	2.722	12.3	20.5
12 7	1 47.48	+ 7 49.9	1.940	2.707	15.5	20.7

328545 2009 RV_{35} 10 29.4 326°.11 1°.8/27.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 34.08	+12 21.6	2.029	2.907	11.4	20.6
10 8	2 29.55	+11 4.8	1.959	2.900	8.1	20.3
10 18	2 23.41	+ 9 39.3	1.914	2.895	4.3	20.1
10 28	2 16.36	+ 8 10.6	1.898	2.889	1.8	19.9
11 7	2 9.26	+ 6 45.9	1.911	2.884	4.6	20.1
11 17	2 2.95	+ 5 31.5	1.952	2.878	8.4	20.3
11 27	1 58.17	+ 4 32.8	2.019	2.873	11.8	20.5
12 7	1 55.38	+ 3 52.4	2.108	2.869	14.6	20.7

442766 2012 XE_{81} 10 29.4 311°.86 4°.1/26.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 37.64	+ 6 4.7	1.492	2.384	13.9	20.9
10 8	2 32.64	+ 5 10.7	1.422	2.368	10.0	20.6
10 18	2 25.34	+ 4 13.1	1.374	2.353	6.0	20.3
10 28	2 16.62	+ 3 18.9	1.353	2.338	4.2	20.2
11 7	2 7.68	+ 2 35.7	1.357	2.323	7.2	20.3
11 17	1 59.75	+ 2 9.6	1.387	2.309	11.5	20.5
11 27	1 53.90	+ 2 4.3	1.440	2.295	15.6	20.7
12 7	1 50.76	+ 2 20.5	1.511	2.281	19.0	21.0

175030 2004 FN_{40} 10 29.4 347°.15 6°.3/ 2.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 41.82	+29 6.4	1.661	2.486	16.1	20.0
10 8	2 35.78	+29 51.5	1.588	2.482	12.9	19.7
10 18	2 27.14	+30 16.5	1.537	2.478	9.5	19.5
10 28	2 16.85	+30 18.7	1.509	2.476	6.8	19.4
11 7	2 6.27	+29 59.1	1.508	2.473	6.7	19.4
11 17	1 56.80	+29 22.4	1.533	2.471	9.2	19.5
11 27	1 49.64	+28 36.7	1.583	2.470	12.6	19.7
12 7	1 45.52	+27 50.8	1.654	2.469	15.8	19.9

56061 1998 XY_{90} 10 29.4 307°.30 7°.3/24.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 38.40	− 0 15.6	1.358	2.253	14.8	18.9
10 8	2 33.38	− 1 30.2	1.290	2.233	11.2	18.6
10 18	2 25.83	− 2 42.2	1.245	2.213	8.1	18.4
10 28	2 16.70	− 3 41.7	1.224	2.194	7.6	18.3
11 7	2 7.29	− 4 19.7	1.228	2.175	10.3	18.4
11 17	1 58.97	− 4 30.4	1.256	2.156	14.2	18.6
11 27	1 52.89	− 4 11.8	1.304	2.138	18.1	18.8
12 7	1 49.76	− 3 26.2	1.369	2.121	21.5	19.0

23997 1999 RW_{27} 10 29.4 345°.42 4°.5/30.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 42.71	+17 32.7	1.069	1.954	18.7	15.1
10 8	2 37.51	+19 14.4	0.996	1.935	14.2	14.7
10 18	2 28.64	+20 49.8	0.944	1.917	9.1	14.4
10 28	2 17.10	+22 13.7	0.914	1.901	4.8	14.1
11 7	2 4.70	+23 22.2	0.908	1.888	6.6	14.2
11 17	1 53.53	+24 15.3	0.926	1.876	11.9	14.4
11 27	1 45.52	+24 57.8	0.965	1.867	17.1	14.7
12 7	1 41.75	+25 36.4	1.022	1.861	21.6	14.9

185999 2001 PX_{62} 10 29.4 53°.53 9°.4/24.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 44.20	− 5 34.6	1.180	2.069	17.0	19.6
10 8	2 36.88	− 6 42.7	1.169	2.102	13.1	19.5
10 18	2 27.30	− 7 34.5	1.179	2.135	10.1	19.5
10 28	2 16.83	− 8 1.5	1.212	2.169	9.5	19.5
11 7	2 6.97	− 7 59.3	1.270	2.202	11.5	19.7
11 17	1 58.94	− 7 28.3	1.351	2.236	14.6	20.0
11 27	1 53.55	− 6 32.2	1.452	2.269	17.5	20.3
12 7	1 51.10	− 5 16.8	1.570	2.303	19.9	20.6

408098 2013 AW 10 29.4 191°.37 1°.0/28.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 47.17	+12 34.2	1.428	2.300	15.7	21.8
10 8	2 39.52	+12 17.0	1.362	2.300	11.2	21.6
10 18	2 29.13	+11 50.8	1.319	2.298	6.1	21.3
10 28	2 17.12	+11 19.3	1.303	2.296	1.1	20.9
11 7	2 4.96	+10 48.2	1.314	2.293	5.2	21.2
11 17	1 54.14	+10 23.5	1.353	2.289	10.4	21.5
11 27	1 45.88	+10 10.7	1.415	2.284	15.0	21.8
12 7	1 40.84	+10 12.8	1.498	2.278	18.7	22.0

2020	α_{2000}	δ_{2000}	Δ	r	β	V
191875 2004 XY_{92}		10 29.4 285°.13	0°.0/29.5 18			
	h m	° ′			°	m
9 28	2 40.28	+14 54.4	1.675	2.546	13.8	20.2
10 8	2 34.46	+14 42.2	1.596	2.532	10.0	20.0
10 18	2 26.34	+14 20.0	1.540	2.518	5.5	19.7
10 28	2 16.78	+13 50.4	1.511	2.504	0.7	19.3
11 7	2 6.96	+13 18.1	1.510	2.491	4.2	19.6
11 17	1 58.09	+12 48.5	1.536	2.477	8.9	19.8
11 27	1 51.22	+12 27.0	1.587	2.463	13.2	20.0
12 7	1 47.03	+12 17.8	1.659	2.449	16.8	20.2
231888 2000 VR_{57}		10 29.4 11°.34	1°.4/30.2 18			
9 28	2 38.96	+17 6.5	1.208	2.093	17.0	18.5
10 8	2 33.92	+17 11.3	1.154	2.095	12.4	18.3
10 18	2 26.13	+17 2.1	1.121	2.099	7.1	18.0
10 28	2 16.75	+16 41.0	1.112	2.104	1.9	17.7
11 7	2 7.30	+16 13.6	1.127	2.110	4.7	17.9
11 17	1 59.28	+15 46.4	1.167	2.117	10.0	18.2
11 27	1 53.89	+15 26.5	1.230	2.125	14.7	18.5
12 7	1 51.71	+15 18.8	1.311	2.134	18.6	18.8
267801 2003 SB_{280}		10 29.4 341°.01	4°.7/ 2.6 17			
9 28	2 38.13	+29 2.6	2.147	2.962	13.3	20.8
10 8	2 32.60	+29 13.1	2.070	2.959	10.5	20.6
10 18	2 25.18	+29 6.0	2.015	2.957	7.6	20.4
10 28	2 16.63	+28 40.8	1.986	2.955	5.2	20.3
11 7	2 7.94	+27 59.9	1.985	2.953	5.0	20.3
11 17	2 0.11	+27 7.9	2.012	2.951	7.3	20.4
11 27	1 54.01	+26 11.4	2.065	2.950	10.2	20.6
12 7	1 50.19	+25 17.0	2.143	2.948	13.0	20.8
179623 2002 PN_{47}		10 29.4 73°.67	3°.2/27.1 16			
9 28	2 41.31	+10 20.0	1.327	2.214	15.6	20.1
10 8	2 34.93	+ 8 52.1	1.294	2.240	10.9	19.9
10 18	2 26.34	+ 7 18.0	1.285	2.265	6.0	19.7
10 28	2 16.75	+ 5 47.0	1.302	2.291	3.3	19.6
11 7	2 7.51	+ 4 28.5	1.346	2.316	6.6	19.9
11 17	1 59.81	+ 3 29.6	1.416	2.341	11.0	20.2
11 27	1 54.50	+ 2 54.3	1.509	2.365	14.9	20.5
12 7	1 51.96	+ 2 42.6	1.621	2.390	18.0	20.8
148268 2000 FN_{57}		10 29.4 285°.41	2°.1/28.1 18			
9 28	2 40.27	+10 49.6	1.493	2.376	14.4	20.2
10 8	2 34.67	+10 12.3	1.413	2.357	10.4	19.9
10 18	2 26.56	+ 9 26.5	1.357	2.337	5.7	19.6
10 28	2 16.85	+ 8 37.3	1.326	2.318	2.1	19.3
11 7	2 6.80	+ 7 51.6	1.323	2.299	5.7	19.5
11 17	1 57.74	+ 7 16.2	1.346	2.279	10.7	19.7
11 27	1 50.87	+ 6 56.5	1.392	2.260	15.2	19.9
12 7	1 46.89	+ 6 55.6	1.457	2.241	19.0	20.1
249943 2001 TD_{177}		10 29.4 66°.20	0°.3/29.7 18			
9 28	2 37.28	+17 17.7	1.875	2.740	12.8	20.4
10 8	2 31.92	+16 36.5	1.812	2.745	9.2	20.2
10 18	2 24.76	+15 43.4	1.773	2.750	5.1	20.0
10 28	2 16.59	+14 42.3	1.762	2.755	0.8	19.7
11 7	2 8.44	+13 38.9	1.779	2.760	3.6	19.9
11 17	2 1.25	+12 39.3	1.825	2.766	7.8	20.2
11 27	1 55.83	+11 49.5	1.896	2.771	11.4	20.4
12 7	1 52.65	+11 13.3	1.990	2.776	14.5	20.6
214671 2006 SN_{161}		10 29.4 335°.13	0°.9/28.7 18			
9 28	2 37.91	+12 49.3	1.769	2.645	12.9	20.5
10 8	2 32.52	+12 20.3	1.702	2.642	9.2	20.3
10 18	2 25.15	+11 43.2	1.659	2.639	5.0	20.0
10 28	2 16.65	+11 2.2	1.643	2.636	1.0	19.7
11 7	2 8.06	+10 22.3	1.655	2.633	4.3	20.0
11 17	2 0.43	+ 9 48.8	1.694	2.631	8.6	20.2
11 27	1 54.63	+ 9 26.5	1.758	2.628	12.4	20.5
12 7	1 51.21	+ 9 18.0	1.844	2.626	15.6	20.7
231066 2005 OR_{28}		10 29.4 57°.80	1°.0/28.7 18			
9 28	2 39.20	+14 48.5	1.341	2.225	15.7	19.9
10 8	2 33.69	+13 47.7	1.293	2.236	11.1	19.7
10 18	2 25.83	+12 34.1	1.267	2.248	6.0	19.4
10 28	2 16.73	+11 14.6	1.267	2.260	1.1	19.1
11 7	2 7.76	+ 9 58.1	1.293	2.272	5.1	19.5
11 17	2 0.18	+ 8 53.2	1.345	2.284	10.1	19.8
11 27	1 54.95	+ 8 6.2	1.420	2.296	14.4	20.1
12 7	1 52.57	+ 7 40.1	1.516	2.309	18.0	20.4
438594 2007 VA_{52}		10 29.4 354°.37	2°.8/31.5 15			
9 28	2 35.61	+22 38.0	1.354	2.223	16.5	21.0
10 8	2 31.46	+22 16.9	1.288	2.218	12.4	20.7
10 18	2 24.78	+21 34.6	1.243	2.214	7.8	20.5
10 28	2 16.61	+20 33.6	1.222	2.211	3.4	20.2
11 7	2 8.31	+19 20.6	1.226	2.209	4.6	20.3
11 17	2 1.23	+18 4.6	1.256	2.207	9.2	20.5
11 27	1 56.49	+16 55.4	1.309	2.207	13.8	20.8
12 7	1 54.71	+16 0.6	1.383	2.209	17.7	21.0

2020	α_{2000}	δ_{2000}	Δ	r	β	V
433006 2012 QF_{51}		10 29.4 103°.66	0°.2/29.3 18			
	h m	° ′			°	m
9 28	2 42.34	+14 52.3	1.676	2.544	14.0	21.1
10 8	2 35.56	+14 25.9	1.625	2.560	9.9	20.9
10 18	2 26.73	+13 49.6	1.598	2.576	5.4	20.7
10 28	2 16.84	+13 7.3	1.599	2.592	0.7	20.4
11 7	2 7.08	+12 24.4	1.627	2.607	4.1	20.7
11 17	1 58.53	+11 46.7	1.684	2.622	8.5	21.0
11 27	1 52.09	+11 19.0	1.766	2.637	12.4	21.3
12 7	1 48.22	+11 4.5	1.870	2.651	15.5	21.5
140092 2001 SR_{128}		10 29.4 229°.35	2°.0/27.5 18			
9 28	2 36.86	+10 28.4	2.165	3.038	11.0	20.1
10 8	2 31.48	+ 9 29.2	2.091	3.031	7.8	19.9
10 18	2 24.49	+ 8 23.8	2.044	3.023	4.3	19.6
10 28	2 16.58	+ 7 16.8	2.025	3.015	2.0	19.5
11 7	2 8.59	+ 6 14.0	2.036	3.006	4.6	19.6
11 17	2 1.35	+ 5 20.7	2.075	2.998	8.2	19.8
11 27	1 55.61	+ 4 41.2	2.140	2.989	11.4	20.0
12 7	1 51.85	+ 4 17.5	2.228	2.979	14.2	20.2
450959 2008 KF_{1}		10 29.4 76°.60	5°.8/24.9 18			
9 28	2 38.61	− 3 12.6	2.094	2.968	11.3	21.1
10 8	2 32.54	− 3 54.6	2.052	2.981	8.5	20.9
10 18	2 24.96	− 4 29.8	2.036	2.995	6.3	20.8
10 28	2 16.63	− 4 53.1	2.047	3.008	5.9	20.8
11 7	2 8.40	− 5 0.8	2.087	3.021	7.5	20.9
11 17	2 1.10	− 4 51.0	2.153	3.034	10.0	21.1
11 27	1 55.38	− 4 23.9	2.243	3.048	12.5	21.3
12 7	1 51.66	− 3 41.1	2.353	3.061	14.7	21.5
166329 2002 JW_{90}		10 29.4 37°.37	2°.6/28.6 18			
9 28	2 49.68	+ 5 8.3	1.210	2.094	17.1	18.6
10 8	2 41.10	+ 5 55.9	1.176	2.118	12.1	18.4
10 18	2 29.82	+ 6 45.3	1.165	2.144	6.7	18.2
10 28	2 17.23	+ 7 37.6	1.179	2.170	2.6	18.0
11 7	2 5.02	+ 8 33.6	1.221	2.197	5.9	18.3
11 17	1 54.69	+ 9 33.5	1.289	2.225	10.8	18.7
11 27	1 47.28	+10 37.9	1.381	2.254	15.0	19.0
12 7	1 43.24	+11 46.8	1.493	2.283	18.4	19.3
481696 2008 AE_{115}		10 29.4 222°.66	6°.3/ 4.3 16			
9 28	2 41.83	+34 42.9	2.344	3.118	13.5	21.7
10 8	2 35.31	+35 6.6	2.256	3.111	11.2	21.5
10 18	2 26.73	+35 10.7	2.191	3.103	8.8	21.4
10 28	2 16.88	+34 53.0	2.151	3.095	6.9	21.2
11 7	2 6.80	+34 14.7	2.138	3.087	6.4	21.2
11 17	1 57.56	+33 19.7	2.154	3.078	7.8	21.3
11 27	1 50.11	+32 14.6	2.197	3.069	10.2	21.4
12 7	1 45.08	+31 7.2	2.264	3.060	12.7	21.6
513995 2014 HP_{127}		10 29.4 78°.47	0°.6/29.9 18			
9 28	2 38.08	+17 57.5	1.791	2.655	13.4	21.2
10 8	2 32.57	+17 17.9	1.728	2.660	9.6	20.9
10 18	2 25.14	+16 25.4	1.690	2.666	5.4	20.7
10 28	2 16.66	+15 23.7	1.678	2.671	1.0	20.4
11 7	2 8.19	+14 18.7	1.695	2.677	3.7	20.6
11 17	2 0.74	+13 17.2	1.740	2.682	8.0	20.9
11 27	1 55.17	+12 25.3	1.811	2.688	11.8	21.2
12 7	1 51.96	+11 47.2	1.904	2.693	15.0	21.4
132680 2002 NE_{18}		10 29.4 148°.91	1°.3/30.8 18			
9 28	2 35.96	+20 25.2	2.359	3.207	11.2	20.1
10 8	2 30.76	+19 53.7	2.287	3.208	8.2	19.9
10 18	2 24.06	+19 10.4	2.239	3.209	4.9	19.7
10 28	2 16.53	+18 17.7	2.220	3.210	1.7	19.5
11 7	2 8.97	+17 19.7	2.230	3.212	3.0	19.6
11 17	2 2.15	+16 21.3	2.270	3.213	6.3	19.8
11 27	1 56.77	+15 27.7	2.337	3.214	9.5	20.0
12 7	1 53.28	+14 43.2	2.429	3.215	12.2	20.2
468686 2009 RR_{10}		10 29.4 65°.67	2°.2/27.9 16			
9 28	2 40.01	+12 17.8	1.320	2.207	15.7	21.4
10 8	2 34.19	+11 8.1	1.278	2.224	11.0	21.2
10 18	2 26.06	+ 9 48.9	1.259	2.241	5.9	20.9
10 28	2 16.77	+ 8 28.2	1.266	2.258	2.2	20.7
11 7	2 7.70	+ 7 15.2	1.300	2.275	5.9	21.0
11 17	2 0.09	+ 6 17.5	1.359	2.292	10.6	21.3
11 27	1 54.86	+ 5 40.3	1.441	2.310	14.8	21.6
12 7	1 52.45	+ 5 25.1	1.543	2.327	18.1	21.9
398112 2009 TR_{31}		10 29.4 34°.60	4°.8/ 3.5 17			
9 28	2 36.44	+32 9.1	1.623	2.443	16.6	19.2
10 8	2 31.51	+31 4.5	1.572	2.465	13.1	19.0
10 18	2 24.52	+29 31.9	1.542	2.488	9.2	18.8
10 28	2 16.57	+27 35.3	1.538	2.512	5.7	18.7
11 7	2 8.89	+25 23.0	1.561	2.536	5.1	18.7
11 17	2 2.55	+23 6.5	1.613	2.562	7.9	18.9
11 27	1 58.36	+20 57.2	1.692	2.587	11.4	19.2
12 7	1 56.67	+19 4.0	1.794	2.613	14.5	19.5

168569 1999 XY_{130} 10 29.4 18°.09 9°.6/ 5.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 28	2 38.91	+36 39.3	1.315	2.126	20.3	18.7
10 8	2 34.18	+37 14.3	1.259	2.132	17.0	18.5
10 18	2 26.41	+37 16.0	1.220	2.140	13.6	18.4
10 28	2 16.85	+36 40.9	1.202	2.149	10.7	18.2
11 7	2 7.23	+35 32.0	1.206	2.159	9.6	18.2
11 17	1 59.21	+33 58.2	1.234	2.170	11.2	18.3
11 27	1 54.09	+32 12.9	1.285	2.182	14.1	18.5
12 7	1 52.45	+30 29.6	1.357	2.196	17.2	18.8

324392 2006 SO_{22} 10 29.4 48°.69 3°.6/27.8 15

9 28	2 44.73	+ 6 45.4	1.079	1.975	17.7	20.3
10 8	2 37.78	+ 6 28.2	1.049	1.997	12.5	20.0
10 18	2 28.07	+ 6 9.8	1.039	2.019	7.0	19.8
10 28	2 17.04	+ 5 56.1	1.053	2.042	3.6	19.7
11 7	2 6.39	+ 5 52.8	1.092	2.065	7.0	20.0
11 17	1 57.62	+ 6 3.5	1.155	2.089	11.9	20.3
11 27	1 51.76	+ 6 30.0	1.239	2.113	16.3	20.7
12 7	1 49.21	+ 7 11.6	1.343	2.138	19.8	21.0

483108 2015 ME_{113} 10 29.4 48°.27 4°.2/26.1 17

9 28	2 36.64	+ 7 27.4	1.494	2.386	13.9	20.7
10 8	2 31.58	+ 5 52.4	1.457	2.404	9.8	20.5
10 18	2 24.57	+ 4 14.3	1.444	2.422	5.8	20.3
10 28	2 16.62	+ 2 42.3	1.457	2.441	4.3	20.2
11 7	2 8.86	+ 1 24.9	1.498	2.460	7.1	20.5
11 17	2 2.31	+ 0 28.5	1.564	2.479	10.9	20.7
11 27	1 57.78	− 0 3.8	1.654	2.499	14.4	21.0
12 7	1 55.66	− 0 12.5	1.762	2.519	17.2	21.2

218782 2005 XW_{51} 10 29.4 81°.36 0°.2/29.6 18

9 28	2 38.04	+15 27.3	2.140	3.002	11.6	20.5
10 8	2 32.34	+15 12.7	2.073	3.004	8.3	20.3
10 18	2 24.98	+14 49.8	2.030	3.007	4.6	20.1
10 28	2 16.68	+14 21.1	2.016	3.009	0.7	19.8
11 7	2 8.34	+13 50.3	2.031	3.011	3.3	20.1
11 17	2 0.81	+13 21.6	2.074	3.014	7.1	20.3
11 27	1 54.86	+12 59.1	2.145	3.016	10.4	20.5
12 7	1 50.98	+12 45.9	2.238	3.018	13.3	20.7

401264 2012 BA_{123} 10 29.4 86°.08 6°.0/23.9 18

9 28	2 37.12	− 3 57.6	2.195	3.069	10.8	20.8
10 8	2 31.43	− 5 2.0	2.160	3.087	8.3	20.7
10 18	2 24.35	− 5 59.3	2.151	3.104	6.4	20.6
10 28	2 16.60	− 6 43.9	2.169	3.122	6.2	20.6
11 7	2 8.98	− 7 11.4	2.215	3.139	7.8	20.8
11 17	2 2.23	− 7 19.8	2.288	3.156	10.1	20.9
11 27	1 56.96	− 7 9.0	2.384	3.173	12.4	21.1
12 7	1 53.56	− 6 40.6	2.500	3.190	14.3	21.3

195505 2002 GT_{179} 10 29.4 315°.84 0°.6/28.5 18

9 28	2 29.75	+11 51.0	4.124	4.987	6.4	20.4
10 8	2 25.90	+11 24.4	4.049	4.983	4.5	20.2
10 18	2 21.27	+10 54.7	4.001	4.980	2.4	20.1
10 28	2 16.22	+10 23.8	3.984	4.976	0.6	19.9
11 7	2 11.14	+ 9 53.8	3.997	4.972	2.2	20.0
11 17	2 6.42	+ 9 26.7	4.040	4.969	4.3	20.2
11 27	2 2.41	+ 9 4.7	4.112	4.965	6.3	20.3
12 7	1 59.39	+ 8 49.1	4.209	4.962	8.0	20.5

26974 1997 TJ_{19} 10 29.4 351°.99 0°.7/29.0 18 R

9 28	2 39.48	+12 31.3	1.654	2.531	13.6	17.3
10 8	2 33.78	+12 22.4	1.588	2.528	9.7	17.1
10 18	2 25.93	+12 6.4	1.547	2.526	5.3	16.8
10 28	2 16.83	+11 46.4	1.531	2.524	0.8	16.5
11 7	2 7.61	+11 26.8	1.544	2.523	4.4	16.7
11 17	1 59.43	+11 12.1	1.583	2.522	8.9	17.0
11 27	1 53.23	+11 6.6	1.647	2.522	12.9	17.2
12 7	1 49.61	+11 12.9	1.732	2.522	16.2	17.5

301798 2010 OT_{84} 10 29.4 142°.74 1°.3/28.3 18

9 28	2 39.16	+12 8.4	2.086	2.954	11.6	22.0
10 8	2 33.07	+11 23.6	2.027	2.963	8.2	21.8
10 18	2 25.35	+10 32.3	1.993	2.971	4.4	21.5
10 28	2 16.75	+ 9 38.5	1.987	2.979	1.3	21.3
11 7	2 8.20	+ 8 47.5	2.012	2.987	4.1	21.6
11 17	2 0.54	+ 8 4.1	2.065	2.994	7.8	21.8
11 27	1 54.52	+ 7 32.3	2.144	3.001	11.1	22.0
12 7	1 50.57	+ 7 14.3	2.246	3.007	13.8	22.2

298192 2002 TV_{235} 10 29.4 358°.87 10°.2/ 4.9 17

9 28	2 39.27	+35 9.6	1.319	2.136	19.9	19.7
10 8	2 34.68	+36 20.3	1.254	2.132	16.8	19.5
10 18	2 26.88	+37 2.1	1.208	2.129	13.6	19.3
10 28	2 16.99	+37 9.3	1.182	2.128	11.0	19.2
11 7	2 6.71	+36 41.7	1.178	2.128	10.3	19.2
11 17	1 57.85	+35 45.1	1.197	2.129	11.9	19.3
11 27	1 51.92	+34 31.2	1.238	2.132	14.8	19.4
12 7	1 49.71	+33 12.8	1.299	2.136	18.0	19.7

138796 2000 TV_6 10 29.4 42°.63 0°.3/29.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 28	2 37.44	+14 51.6	1.869	2.739	12.6	20.4
10 8	2 32.06	+14 20.0	1.808	2.744	9.0	20.2
10 18	2 24.88	+13 39.2	1.771	2.749	4.9	20.0
10 28	2 16.70	+12 52.9	1.761	2.755	0.6	19.6
11 7	2 8.51	+12 6.1	1.780	2.760	3.8	19.9
11 17	2 1.27	+11 24.3	1.827	2.766	7.9	20.2
11 27	1 55.79	+10 52.2	1.900	2.772	11.5	20.4
12 7	1 52.55	+10 32.9	1.994	2.778	14.6	20.6

168464 1999 JR_{71} 10 29.5 150°.17 3°.2/27.4 18

9 28	2 43.93	+ 7 17.6	1.598	2.475	14.0	20.4
10 8	2 36.83	+ 6 38.7	1.543	2.483	9.9	20.2
10 18	2 27.54	+ 5 56.8	1.512	2.490	5.7	19.9
10 28	2 17.05	+ 5 17.6	1.509	2.496	3.2	19.8
11 7	2 6.60	+ 4 46.8	1.533	2.502	6.1	20.0
11 17	1 57.38	+ 4 29.2	1.585	2.507	10.2	20.3
11 27	1 50.35	+ 4 27.6	1.661	2.512	14.0	20.5
12 7	1 46.01	+ 4 42.8	1.757	2.516	17.2	20.7

31911 Niklasfauth 10 29.5 42°.01 0°.8/28.9 18

9 28	2 39.85	+14 28.7	1.177	2.067	17.0	18.9
10 8	2 34.32	+13 48.0	1.139	2.085	12.0	18.7
10 18	2 26.24	+12 55.1	1.122	2.104	6.5	18.5
10 28	2 16.87	+11 56.5	1.130	2.123	1.0	18.2
11 7	2 7.75	+11 0.6	1.162	2.143	5.2	18.5
11 17	2 0.22	+10 15.0	1.220	2.163	10.4	18.9
11 27	1 55.29	+ 9 45.7	1.300	2.184	14.9	19.2
12 7	1 53.40	+ 9 35.3	1.399	2.206	18.5	19.5

271056 2003 GP_8 10 29.5 283°.95 2°.5/29.9 18

9 28	2 58.54	+12 57.7	1.057	1.929	20.0	19.6
10 8	2 49.14	+14 44.3	0.986	1.920	14.8	19.3
10 18	2 35.24	+16 30.9	0.937	1.912	8.7	19.0
10 28	2 18.13	+18 11.0	0.912	1.903	2.8	18.6
11 7	2 0.07	+19 39.1	0.915	1.895	6.3	18.8
11 17	1 43.67	+20 53.1	0.944	1.887	12.8	19.1
11 27	1 31.11	+21 56.9	0.996	1.879	18.5	19.4
12 7	1 23.48	+22 56.9	1.066	1.871	23.2	19.7

14972 Olihainaut 10 29.5 55°.78 1°.3/28.6 18

9 28	2 40.37	+13 39.1	1.307	2.193	15.9	18.0
10 8	2 34.46	+12 46.9	1.269	2.213	11.2	17.7
10 18	2 26.24	+11 44.3	1.253	2.234	6.0	17.5
10 28	2 16.87	+10 37.9	1.262	2.255	1.3	17.3
11 7	2 7.76	+ 9 36.1	1.298	2.276	5.2	17.6
11 17	2 0.14	+ 8 46.1	1.359	2.298	10.1	17.9
11 27	1 54.94	+ 8 13.3	1.444	2.320	14.3	18.2
12 7	1 52.58	+ 7 59.7	1.548	2.341	17.7	18.5

386736 2010 AZ_{45} 10 29.5 279°.28 0°.9/28.8 18

9 28	2 39.67	+13 25.3	1.606	2.483	14.0	21.3
10 8	2 34.09	+12 51.0	1.529	2.469	10.0	21.0
10 18	2 26.21	+12 6.5	1.475	2.455	5.5	20.7
10 28	2 16.90	+11 15.9	1.448	2.441	1.0	20.4
11 7	2 7.35	+10 25.4	1.448	2.427	4.8	20.6
11 17	1 58.78	+ 9 41.7	1.475	2.413	9.6	20.9
11 27	1 52.25	+ 9 10.6	1.527	2.398	13.9	21.1
12 7	1 48.43	+ 8 55.9	1.598	2.384	17.5	21.3

368022 2012 FL_{80} 10 29.5 230°.17 6°.5/22.3 18

9 28	2 35.65	− 7 33.0	2.561	3.427	9.8	20.5
10 8	2 30.41	− 8 40.5	2.504	3.419	7.9	20.3
10 18	2 23.87	− 9 40.5	2.473	3.412	6.6	20.2
10 28	2 16.59	−10 27.7	2.470	3.404	6.7	20.2
11 7	2 9.28	−10 57.7	2.495	3.396	8.1	20.3
11 17	2 2.60	−11 8.4	2.545	3.388	10.1	20.4
11 27	1 57.17	−10 59.1	2.619	3.379	12.1	20.6
12 7	1 53.39	−10 31.4	2.713	3.370	13.9	20.7

34189 Ambatipudi 10 29.5 314°.72 3°.8/26.7 18

9 28	2 37.41	+ 7 51.3	1.454	2.346	14.2	18.2
10 8	2 32.52	+ 6 43.4	1.389	2.336	10.1	17.9
10 18	2 25.34	+ 5 29.4	1.347	2.326	5.9	17.6
10 28	2 16.80	+ 4 17.0	1.331	2.317	3.8	17.5
11 7	2 8.11	+ 3 14.7	1.341	2.308	7.0	17.7
11 17	2 0.50	+ 2 29.9	1.376	2.299	11.4	17.9
11 27	1 55.01	+ 2 7.0	1.434	2.291	15.5	18.1
12 7	1 52.22	+ 2 7.1	1.511	2.283	18.9	18.4

315094 2007 DS_{91} 10 29.5 115°.71 2°.5/27.1 18

9 28	2 36.74	+ 7 28.6	2.359	3.232	10.2	20.7
10 8	2 31.19	+ 6 41.4	2.305	3.244	7.2	20.5
10 18	2 24.27	+ 5 51.9	2.278	3.255	4.1	20.3
10 28	2 16.64	+ 5 4.5	2.279	3.266	2.5	20.2
11 7	2 9.07	+ 4 23.6	2.310	3.276	4.6	20.4
11 17	2 2.26	+ 3 52.6	2.370	3.287	7.6	20.6
11 27	1 56.83	+ 3 34.3	2.457	3.297	10.4	20.8
12 7	1 53.19	+ 3 29.6	2.565	3.307	12.8	21.0

2020	α_{2000}	δ_{2000}	Δ	r	β	V
77538 2001 HZ_{63}			10 29.5 343°.52		0°.1/29.3 18	
	h m	° ′			°	m
9 28	2 36.15	+18 3.1	1.643	2.514	14.0	19.2
10 8	2 31.40	+16 44.9	1.575	2.512	10.0	18.9
10 18	2 24.62	+15 10.1	1.531	2.509	5.5	18.7
10 28	2 16.71	+13 24.9	1.514	2.507	0.7	18.3
11 7	2 8.76	+11 38.0	1.525	2.505	4.3	18.6
11 17	2 1.86	+ 9 59.0	1.564	2.504	8.9	18.9
11 27	1 56.89	+ 8 35.9	1.628	2.502	13.0	19.1
12 7	1 54.38	+ 7 33.8	1.714	2.501	16.4	19.3
108106 2001 FY_{190}			10 29.5 307°.25		3°.5/26.9 18	
9 28	2 37.33	+ 7 48.4	1.546	2.435	13.7	20.1
10 8	2 32.45	+ 6 50.1	1.472	2.418	9.8	19.8
10 18	2 25.33	+ 5 46.0	1.423	2.402	5.7	19.5
10 28	2 16.82	+ 4 42.8	1.399	2.386	3.6	19.4
11 7	2 8.09	+ 3 48.2	1.401	2.370	6.6	19.5
11 17	2 0.31	+ 3 9.0	1.430	2.354	11.0	19.7
11 27	1 54.54	+ 2 49.7	1.482	2.339	15.1	19.9
12 7	1 51.40	+ 2 51.9	1.553	2.324	18.6	20.1
99727 2002 JW_{52}			10 29.5 157°.71		2°.6/31.1 16	
9 28	2 44.64	+21 8.3	1.590	2.441	15.4	20.6
10 8	2 37.62	+21 10.0	1.524	2.446	11.5	20.4
10 18	2 28.12	+20 55.6	1.482	2.450	7.1	20.1
10 28	2 17.18	+20 26.1	1.465	2.454	3.0	19.9
11 7	2 6.15	+19 45.7	1.476	2.457	4.3	20.0
11 17	1 56.36	+19 0.9	1.515	2.460	8.7	20.2
11 27	1 48.93	+18 19.0	1.579	2.462	12.8	20.5
12 7	1 44.45	+17 46.4	1.665	2.464	16.4	20.7
229412 2005 SM_{249}			10 29.5 191°.24		0°.0/29.5 18	
9 28	2 41.15	+16 1.3	1.963	2.822	12.6	21.5
10 8	2 34.72	+15 29.2	1.890	2.821	9.0	21.2
10 18	2 26.39	+14 46.6	1.843	2.819	5.0	21.0
10 28	2 16.96	+13 56.6	1.824	2.817	0.7	20.7
11 7	2 7.44	+13 4.3	1.834	2.814	3.7	20.9
11 17	1 58.86	+12 15.2	1.873	2.810	7.9	21.2
11 27	1 52.07	+11 34.9	1.939	2.806	11.6	21.4
12 7	1 47.61	+11 7.0	2.027	2.801	14.7	21.6
272574 2005 VX_{5}			10 29.5 167°.27		0°.1/29.6 18	
9 28	2 41.78	+15 47.9	1.877	2.738	13.0	21.8
10 8	2 35.20	+15 22.9	1.811	2.742	9.3	21.6
10 18	2 26.65	+14 47.5	1.769	2.746	5.2	21.4
10 28	2 16.99	+14 5.1	1.755	2.748	0.7	21.0
11 7	2 7.29	+13 20.3	1.770	2.751	3.8	21.3
11 17	1 58.60	+12 38.7	1.814	2.753	8.0	21.6
11 27	1 51.80	+12 5.5	1.884	2.754	11.8	21.8
12 7	1 47.41	+11 44.2	1.977	2.755	14.9	22.0
419995 2011 CT_{35}			10 29.5 178°.34		3°.2/ 1.6 17	
9 28	2 38.09	+25 37.7	2.530	3.351	11.3	21.5
10 8	2 32.33	+25 39.6	2.453	3.352	8.7	21.4
10 18	2 25.00	+25 28.1	2.400	3.352	5.9	21.2
10 28	2 16.78	+25 3.6	2.374	3.352	3.6	21.0
11 7	2 8.46	+24 28.4	2.378	3.352	3.7	21.1
11 17	2 0.86	+23 46.6	2.411	3.352	6.1	21.2
11 27	1 54.70	+23 2.9	2.473	3.352	8.9	21.4
12 7	1 50.46	+22 22.4	2.558	3.352	11.4	21.6
317390 2002 PQ_{3}			10 29.5 77°.43		0°.8/30.3 18	
9 28	2 36.90	+18 23.0	2.266	3.120	11.3	20.9
10 8	2 31.40	+17 53.1	2.211	3.137	8.2	20.8
10 18	2 24.43	+17 13.0	2.180	3.153	4.7	20.6
10 28	2 16.69	+16 25.6	2.177	3.170	1.2	20.4
11 7	2 9.03	+15 35.1	2.205	3.186	3.0	20.5
11 17	2 2.21	+14 46.3	2.261	3.202	6.5	20.8
11 27	1 56.89	+14 3.7	2.345	3.218	9.6	21.0
12 7	1 53.47	+13 30.8	2.452	3.234	12.2	21.2
510664 2012 TL_{308}			10 29.5 152°.69		4°.6/ 2.6 18	
9 28	2 40.23	+29 38.4	1.841	2.658	15.0	20.5
10 8	2 34.28	+29 11.5	1.768	2.662	11.8	20.3
10 18	2 26.20	+28 21.6	1.718	2.665	8.3	20.1
10 28	2 16.93	+27 9.7	1.693	2.668	5.2	19.9
11 7	2 7.65	+25 40.7	1.697	2.670	5.0	19.9
11 17	1 59.50	+24 2.6	1.729	2.673	7.8	20.1
11 27	1 53.41	+22 25.0	1.787	2.675	11.3	20.3
12 7	1 49.90	+20 56.5	1.870	2.677	14.5	20.5
281089 2006 SG_{412}			10 29.5 47°.39		1°.0/30.2 18	
9 28	2 39.77	+17 15.2	1.771	2.635	13.5	21.0
10 8	2 33.87	+17 8.9	1.710	2.641	9.8	20.8
10 18	2 25.95	+16 51.5	1.672	2.647	5.6	20.6
10 28	2 16.90	+16 25.4	1.662	2.654	1.4	20.3
11 7	2 7.83	+15 54.6	1.679	2.661	3.7	20.5
11 17	1 59.79	+15 24.3	1.724	2.668	7.9	20.8
11 27	1 53.68	+14 59.5	1.795	2.675	11.7	21.0
12 7	1 50.04	+14 44.4	1.888	2.682	14.9	21.3

2020	α_{2000}	δ_{2000}	Δ	r	β	V
189627 2001 HJ_{54}			10 29.5 200°.24		1°.3/28.1 18	
	h m	° ′			°	m
9 28	2 35.67	+11 12.1	2.670	3.536	9.4	20.4
10 8	2 30.42	+10 29.7	2.597	3.533	6.6	20.2
10 18	2 23.89	+ 9 42.3	2.552	3.530	3.6	20.0
10 28	2 16.64	+ 8 53.3	2.535	3.527	1.3	19.8
11 7	2 9.34	+ 8 6.6	2.549	3.523	3.5	20.0
11 17	2 2.66	+ 7 26.2	2.593	3.519	6.6	20.2
11 27	1 57.18	+ 6 55.1	2.664	3.514	9.4	20.4
12 7	1 53.33	+ 6 35.5	2.759	3.510	11.8	20.5
291216 2006 AA_{102}			10 29.5 14°.38		3°.1/26.9 18	
9 28	2 35.55	+ 7 28.0	1.736	2.624	12.5	19.8
10 8	2 30.79	+ 6 37.5	1.682	2.627	8.8	19.6
10 18	2 24.23	+ 5 43.8	1.652	2.632	5.1	19.4
10 28	2 16.68	+ 4 53.0	1.649	2.636	3.2	19.3
11 7	2 9.14	+ 4 10.8	1.674	2.642	5.8	19.5
11 17	2 2.56	+ 3 42.0	1.724	2.648	9.5	19.7
11 27	1 57.74	+ 3 29.9	1.799	2.654	12.9	20.0
12 7	1 55.15	+ 3 35.0	1.895	2.661	15.8	20.2
83637 2001 SY_{327}			10 29.5 290°.04		2°.5/27.6 18	
9 28	2 38.58	+ 8 0.8	1.891	2.770	12.1	19.6
10 8	2 32.92	+ 7 28.4	1.824	2.765	8.6	19.4
10 18	2 25.42	+ 6 52.8	1.782	2.760	4.8	19.2
10 28	2 16.85	+ 6 18.2	1.767	2.756	2.5	19.0
11 7	2 8.19	+ 5 49.7	1.781	2.751	5.2	19.2
11 17	2 0.41	+ 5 31.4	1.822	2.747	8.9	19.4
11 27	1 54.35	+ 5 26.4	1.888	2.743	12.4	19.6
12 7	1 50.53	+ 5 36.0	1.976	2.738	15.4	19.8
333336 2001 RU_{115}			10 29.5 102°.09		1°.5/28.4 16	
9 28	2 42.21	+11 47.5	1.612	2.487	14.0	21.3
10 8	2 35.54	+11 9.1	1.564	2.503	9.9	21.1
10 18	2 26.81	+10 23.5	1.539	2.519	5.3	20.9
10 28	2 17.01	+ 9 35.7	1.542	2.534	1.5	20.7
11 7	2 7.35	+ 8 51.7	1.573	2.549	4.9	20.9
11 17	1 58.94	+ 8 17.1	1.631	2.564	9.2	21.2
11 27	1 52.65	+ 7 56.1	1.714	2.578	13.0	21.5
12 7	1 48.96	+ 7 50.6	1.818	2.592	16.1	21.7
212341 2005 TX_{90}			10 29.5 169°.69		0°.6/29.9 18	
9 28	2 39.35	+16 23.8	2.160	3.017	11.7	21.1
10 8	2 33.32	+16 13.9	2.089	3.018	8.4	20.9
10 18	2 25.58	+15 55.2	2.044	3.019	4.8	20.7
10 28	2 16.87	+15 29.7	2.027	3.020	1.0	20.4
11 7	2 8.08	+15 0.9	2.040	3.021	3.3	20.6
11 17	2 0.11	+14 32.9	2.082	3.022	7.0	20.8
11 27	1 53.74	+14 10.0	2.150	3.022	10.4	21.0
12 7	1 49.48	+13 55.5	2.242	3.022	13.3	21.2
73348 2002 JZ_{129}			10 29.5 70°.94		4°.5/26.1 18	
9 28	2 38.72	+ 4 26.6	1.637	2.524	13.2	19.1
10 8	2 33.07	+ 3 23.5	1.589	2.532	9.5	18.9
10 18	2 25.47	+ 2 20.2	1.564	2.540	5.9	18.8
10 28	2 16.84	+ 1 23.6	1.567	2.547	4.6	18.7
11 7	2 8.29	+ 0 40.4	1.596	2.555	7.1	18.9
11 17	2 0.83	+ 0 15.2	1.652	2.564	10.7	19.1
11 27	1 55.32	+ 0 10.1	1.731	2.572	14.1	19.3
12 7	1 52.22	+ 0 24.7	1.830	2.580	16.9	19.6
135730 2002 PX_{118}			10 29.5 332°.78		9°.0/ 8.0 17	
9 28	2 42.39	+44 6.0	2.433	3.143	14.7	19.7
10 8	2 35.94	+44 52.0	2.353	3.142	12.9	19.6
10 18	2 27.22	+45 14.7	2.292	3.141	11.2	19.5
10 28	2 17.09	+45 10.7	2.254	3.140	9.7	19.4
11 7	2 6.72	+44 39.6	2.240	3.139	9.0	19.3
11 17	1 57.30	+43 44.6	2.253	3.139	9.5	19.4
11 27	1 49.89	+42 32.3	2.290	3.138	10.8	19.5
12 7	1 45.14	+41 11.4	2.351	3.138	12.5	19.6
342278 2008 TN_{14}			10 29.5 191°.52		0°.6/28.9 18	
9 28	2 39.53	+14 45.7	1.879	2.746	12.7	21.0
10 8	2 33.61	+13 56.2	1.810	2.745	9.1	20.8
10 18	2 25.79	+12 56.2	1.766	2.744	4.9	20.5
10 28	2 16.90	+11 50.2	1.749	2.742	0.8	20.2
11 7	2 7.96	+10 44.3	1.762	2.740	4.1	20.5
11 17	1 59.96	+ 9 44.8	1.803	2.738	8.3	20.7
11 27	1 53.77	+ 8 57.4	1.870	2.735	12.1	21.0
12 7	1 49.90	+ 8 25.6	1.959	2.731	15.2	21.2
319092 2005 WE_{147}			10 29.5 246°.55		0°.4/29.9 18	
9 28	2 37.53	+16 38.8	2.250	3.108	11.2	22.0
10 8	2 32.02	+16 17.4	2.173	3.102	8.1	21.8
10 18	2 24.88	+15 46.7	2.120	3.095	4.6	21.6
10 28	2 16.79	+15 9.1	2.096	3.089	0.9	21.3
11 7	2 8.58	+14 28.4	2.101	3.082	3.2	21.5
11 17	2 1.11	+13 49.0	2.135	3.075	6.9	21.7
11 27	1 55.13	+13 15.6	2.196	3.068	10.2	21.9
12 7	1 51.13	+12 51.7	2.281	3.061	13.1	22.1

79398 1997 GG_{27} 10 29.5 16°.45 2°.6/30.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 28	2 42.66	+18 26.2	1.155	2.034	18.0	18.6
10 8	2 36.83	+18 54.7	1.101	2.037	13.3	18.3
10 18	2 27.93	+19 8.0	1.067	2.041	8.0	18.1
10 28	2 17.21	+19 6.5	1.056	2.047	3.0	17.8
11 7	2 6.37	+18 53.8	1.070	2.053	5.1	17.9
11 17	1 57.09	+18 36.4	1.109	2.059	10.3	18.3
11 27	1 50.71	+18 21.7	1.170	2.067	15.2	18.6
12 7	1 47.87	+18 15.8	1.250	2.075	19.2	18.8

370633 2003 YK_{123} 10 29.5 0°.08 3°.8/31.4 18

9 28	2 30.07	+20 41.1	0.752	1.665	21.3	19.3
10 8	2 28.69	+21 0.6	0.705	1.658	16.1	19.0
10 18	2 23.79	+20 54.8	0.674	1.653	10.1	18.7
10 28	2 16.69	+20 25.1	0.662	1.652	4.5	18.4
11 7	2 9.37	+19 38.9	0.669	1.654	6.0	18.5
11 17	2 3.80	+18 47.6	0.695	1.658	12.0	18.8
11 27	2 1.52	+18 3.7	0.740	1.666	17.7	19.2
12 7	2 3.19	+17 35.7	0.800	1.676	22.5	19.5

450545 2006 CA_{63} 10 29.5 263°.95 7°.9/22.1 17

9 28	2 39.88	−13 12.3	2.476	3.321	10.8	21.2
10 8	2 33.52	−13 55.5	2.411	3.305	9.1	21.0
10 18	2 25.65	−14 26.8	2.371	3.287	8.0	20.9
10 28	2 16.91	−14 40.7	2.358	3.270	8.2	20.9
11 7	2 8.09	−14 33.8	2.372	3.252	9.4	21.0
11 17	1 59.98	−14 4.7	2.412	3.235	11.3	21.1
11 27	1 53.25	−13 14.5	2.475	3.217	13.3	21.2
12 7	1 48.40	−12 5.8	2.558	3.198	15.0	21.3

189804 2002 JH_{101} 10 29.5 150°.39 5°.2/23.2 18

9 28	2 35.02	− 2 1.7	2.599	3.473	9.4	20.4
10 8	2 29.92	− 3 31.9	2.551	3.479	7.1	20.3
10 18	2 23.60	− 4 58.3	2.530	3.485	5.5	20.2
10 28	2 16.64	− 6 15.0	2.538	3.491	5.4	20.2
11 7	2 9.70	− 7 17.1	2.575	3.496	7.0	20.3
11 17	2 3.42	− 8 1.3	2.640	3.501	9.2	20.4
11 27	1 58.36	− 8 26.2	2.729	3.506	11.3	20.6
12 7	1 54.89	− 8 32.2	2.839	3.510	13.1	20.8

516006 2015 RE_{253} 10 29.5 285°.73 1°.0/28.5 18

9 28	2 35.95	+14 8.6	2.041	2.911	11.7	21.5
10 8	2 30.94	+13 5.5	1.973	2.910	8.3	21.3
10 18	2 24.29	+11 52.9	1.931	2.910	4.4	21.0
10 28	2 16.73	+10 35.7	1.917	2.909	1.0	20.8
11 7	2 9.15	+ 9 20.1	1.932	2.909	4.0	21.0
11 17	2 2.40	+ 8 12.4	1.976	2.908	7.9	21.3
11 27	1 57.22	+ 7 17.8	2.046	2.907	11.3	21.5
12 7	1 54.08	+ 6 39.3	2.138	2.907	14.2	21.7

49098 1998 RZ_{73} 10 29.5 23°.16 8°.1/ 3.1 18

9 28	2 43.23	+30 0.8	1.274	2.111	19.4	17.8
10 8	2 37.28	+31 13.4	1.225	2.123	15.6	17.6
10 18	2 28.20	+32 0.2	1.194	2.135	11.8	17.4
10 28	2 17.26	+32 17.2	1.186	2.149	8.8	17.3
11 7	2 6.20	+32 5.3	1.202	2.164	8.4	17.4
11 17	1 56.75	+31 31.0	1.242	2.181	10.8	17.5
11 27	1 50.28	+30 44.8	1.304	2.198	14.2	17.8
12 7	1 47.42	+29 57.5	1.387	2.216	17.4	18.1

90597 4248 P–L 10 29.5 334°.59 2°.4/31.0 18

9 28	2 38.76	+20 9.8	1.453	2.321	15.7	19.2
10 8	2 33.75	+20 13.8	1.380	2.310	11.7	18.9
10 18	2 26.18	+20 2.0	1.328	2.300	7.2	18.7
10 28	2 17.01	+19 35.5	1.301	2.291	2.9	18.4
11 7	2 7.55	+18 58.6	1.300	2.282	4.4	18.5
11 17	1 59.20	+18 17.7	1.325	2.274	9.2	18.7
11 27	1 53.13	+17 40.4	1.374	2.267	13.6	19.0
12 7	1 50.05	+17 13.0	1.443	2.261	17.5	19.2

206003 2002 PW_{79} 10 29.5 117°.10 13°.1/17.1 18

9 28	2 54.43	+59 8.2	2.310	2.885	18.3	20.2
10 8	2 45.34	+60 1.5	2.245	2.900	17.0	20.1
10 18	2 32.63	+60 22.6	2.194	2.915	15.6	20.0
10 28	2 17.83	+60 5.0	2.160	2.929	14.4	19.9
11 7	2 3.07	+59 7.3	2.146	2.943	13.4	19.9
11 17	1 50.38	+57 33.1	2.153	2.957	13.1	19.9
11 27	1 41.24	+55 31.8	2.183	2.970	13.4	19.9
12 7	1 36.19	+53 15.3	2.235	2.982	14.3	20.0

392380 2010 JB 10 29.5 174°.07 1°.4/28.3 18

9 28	2 40.08	+10 49.1	2.325	3.189	10.7	21.9
10 8	2 33.68	+10 17.8	2.258	3.192	7.6	21.7
10 18	2 25.74	+ 9 41.7	2.217	3.195	4.1	21.5
10 28	2 16.93	+ 9 4.1	2.205	3.197	1.4	21.3
11 7	2 8.11	+ 8 29.0	2.224	3.198	3.9	21.5
11 17	2 0.06	+ 8 0.2	2.272	3.199	7.3	21.7
11 27	1 53.50	+ 7 41.2	2.347	3.199	10.4	21.9
12 7	1 48.89	+ 7 33.8	2.446	3.198	13.1	22.1

294287 2007 UP_{116} 10 29.5 75°.50 1°.7/28.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 28	2 41.18	+10 14.2	1.707	2.583	13.3	20.7
10 8	2 34.76	+ 9 51.4	1.658	2.598	9.4	20.5
10 18	2 26.39	+ 9 23.7	1.633	2.613	5.1	20.3
10 28	2 17.01	+ 8 55.3	1.636	2.628	1.7	20.1
11 7	2 7.73	+ 8 30.9	1.667	2.643	4.7	20.3
11 17	1 59.60	+ 8 14.8	1.726	2.658	8.8	20.6
11 27	1 53.45	+ 8 10.2	1.809	2.673	12.5	20.9
12 7	1 49.75	+ 8 18.7	1.914	2.688	15.5	21.1

517850 2015 RN_{208} 10 29.5 32°.39 0°.4/29.2 18

9 28	2 38.55	+13 56.0	1.797	2.670	12.9	21.4
10 8	2 32.96	+13 36.3	1.737	2.674	9.2	21.1
10 18	2 25.47	+13 8.2	1.700	2.678	5.0	20.9
10 28	2 16.90	+12 35.3	1.690	2.683	0.7	20.6
11 7	2 8.31	+12 2.1	1.708	2.688	3.9	20.9
11 17	2 0.70	+11 33.4	1.754	2.694	8.1	21.1
11 27	1 54.92	+11 13.9	1.826	2.699	11.9	21.4
12 7	1 51.50	+11 6.2	1.919	2.705	15.0	21.6

17919 Licandro 10 29.5 46°.74 0°.8/30.0 18

9 28	2 41.44	+19 20.0	0.974	1.863	19.8	16.8
10 8	2 35.68	+18 22.0	0.946	1.890	14.2	16.6
10 18	2 27.04	+17 3.5	0.938	1.917	7.9	16.3
10 28	2 17.08	+15 32.7	0.953	1.946	1.5	16.0
11 7	2 7.63	+14 1.5	0.992	1.975	5.1	16.4
11 17	2 0.19	+12 41.7	1.055	2.004	10.8	16.8
11 27	1 55.76	+11 41.8	1.139	2.034	15.7	17.2
12 7	1 54.65	+11 5.4	1.243	2.064	19.5	17.5

515646 2014 NB_{36} 10 29.5 49°.71 2°.1/28.2 18

9 28	2 41.47	+ 7 27.2	1.872	2.747	12.4	20.6
10 8	2 34.81	+ 7 27.2	1.825	2.764	8.7	20.4
10 18	2 26.38	+ 7 25.8	1.803	2.781	4.9	20.2
10 28	2 17.02	+ 7 26.0	1.809	2.799	2.1	20.1
11 7	2 7.77	+ 7 30.8	1.843	2.817	4.7	20.3
11 17	1 59.57	+ 7 42.6	1.906	2.835	8.4	20.5
11 27	1 53.22	+ 8 3.3	1.995	2.853	11.7	20.8
12 7	1 49.15	+ 8 33.7	2.105	2.872	14.5	21.0

224793 2006 SG_{371} 10 29.5 345°.31 0°.6/28.5 18

9 28	2 29.48	+12 40.2	4.125	4.986	6.5	20.4
10 8	2 25.74	+11 58.4	4.052	4.986	4.5	20.2
10 18	2 21.25	+11 12.7	4.007	4.985	2.4	20.1
10 28	2 16.36	+10 25.5	3.992	4.984	0.6	19.9
11 7	2 11.45	+ 9 39.3	4.008	4.983	2.2	20.1
11 17	2 6.90	+ 8 56.4	4.054	4.983	4.3	20.2
11 27	2 3.06	+ 8 19.3	4.130	4.982	6.3	20.4
12 7	2 0.22	+ 7 49.5	4.230	4.981	8.0	20.5

114133 2002 VM_{55} 10 29.5 236°.23 0°.2/29.3 18

9 28	2 40.66	+15 44.3	1.732	2.599	13.6	20.2
10 8	2 34.69	+15 4.5	1.655	2.589	9.8	19.9
10 18	2 26.54	+14 12.4	1.602	2.579	5.4	19.6
10 28	2 17.07	+13 12.0	1.575	2.569	0.7	19.3
11 7	2 7.42	+12 9.3	1.578	2.558	4.2	19.5
11 17	1 58.73	+11 11.2	1.608	2.546	8.8	19.8
11 27	1 52.02	+10 24.2	1.664	2.535	13.0	20.0
12 7	1 47.88	+ 9 52.6	1.741	2.522	16.5	20.2

371374 2006 QJ_{63} 10 29.5 2°.37 6°.7/ 1.8 18

9 28	2 42.58	+26 14.0	1.119	1.979	19.9	20.4
10 8	2 37.18	+27 8.8	1.060	1.977	15.7	20.2
10 18	2 28.35	+27 39.7	1.019	1.977	11.1	19.9
10 28	2 17.32	+27 43.3	1.000	1.977	7.3	19.7
11 7	2 5.97	+27 21.2	1.004	1.978	7.4	19.7
11 17	1 56.23	+26 40.5	1.032	1.981	11.2	19.9
11 27	1 49.66	+25 52.7	1.081	1.984	15.7	20.2
12 7	1 47.01	+25 8.7	1.149	1.988	19.7	20.5

460087 2014 OK_{358} 10 29.5 336°.03 12°.0/15.3 17

9 28	2 32.19	−14 39.7	1.666	2.539	13.8	20.1
10 8	2 28.67	−17 11.4	1.621	2.520	12.4	20.0
10 18	2 23.22	−19 27.2	1.600	2.503	12.1	19.9
10 28	2 16.64	−21 15.2	1.602	2.486	13.0	20.0
11 7	2 9.92	−22 27.0	1.627	2.470	14.9	20.1
11 17	2 4.07	−22 59.3	1.671	2.455	17.1	20.2
11 27	1 59.97	−22 52.8	1.732	2.442	19.2	20.3
12 7	1 58.18	−22 12.5	1.807	2.429	21.0	20.4

320166 2007 GY_2 10 29.5 176°.44 1°.4/30.8 18

9 28	2 38.40	+19 36.5	2.547	3.389	10.6	21.7
10 8	2 32.50	+19 27.9	2.472	3.391	7.8	21.5
10 18	2 25.11	+19 9.5	2.423	3.392	4.7	21.3
10 28	2 16.88	+18 42.7	2.403	3.392	1.7	21.1
11 7	2 8.59	+18 10.5	2.412	3.393	2.9	21.2
11 17	2 0.99	+17 36.5	2.452	3.393	6.0	21.4
11 27	1 54.76	+17 4.9	2.519	3.393	9.0	21.6
12 7	1 50.37	+16 39.3	2.611	3.392	11.6	21.7

5920 1992 SX_{17} 10 29.5 353°.16 8°.8/ 4.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 28	2 43.82	+37 9.2	1.986	2.754	15.8	15.6
10 8	2 37.30	+38 22.9	1.909	2.751	13.5	15.4
10 18	2 28.17	+39 14.9	1.854	2.749	11.1	15.2
10 28	2 17.31	+39 40.6	1.822	2.746	9.3	15.1
11 7	2 6.03	+39 38.9	1.816	2.745	8.8	15.1
11 17	1 55.71	+39 12.6	1.835	2.744	10.0	15.2
11 27	1 47.61	+38 28.9	1.879	2.743	12.0	15.3
12 7	1 42.50	+37 36.8	1.945	2.743	14.4	15.4

229385 2005 SV_{61} 10 29.5 297°.61 1°.2/30.2 18

9 28	2 41.61	+17 3.9	1.456	2.327	15.5	20.8
10 8	2 35.93	+17 5.9	1.372	2.306	11.4	20.5
10 18	2 27.51	+16 55.2	1.309	2.285	6.6	20.2
10 28	2 17.23	+16 33.3	1.272	2.265	1.7	19.8
11 7	2 6.47	+16 4.1	1.262	2.244	4.5	20.0
11 17	1 56.70	+15 33.7	1.278	2.224	9.8	20.2
11 27	1 49.26	+15 9.1	1.317	2.204	14.6	20.4
12 7	1 44.95	+14 56.0	1.377	2.184	18.8	20.7

324449 2006 TR_{101} 10 29.5 76°.90 1°.1/30.3 16

9 28	2 42.68	+19 39.1	1.358	2.225	16.6	20.0
10 8	2 36.14	+18 50.5	1.316	2.248	12.0	19.8
10 18	2 27.23	+17 44.6	1.296	2.271	6.8	19.6
10 28	2 17.16	+16 26.6	1.301	2.294	1.6	19.3
11 7	2 7.38	+15 5.1	1.334	2.316	4.3	19.5
11 17	1 59.16	+13 49.3	1.394	2.339	9.2	19.9
11 27	1 53.44	+12 47.2	1.478	2.361	13.5	20.2
12 7	1 50.64	+12 3.3	1.582	2.383	17.0	20.5

189515 2000 GJ_{130} 10 29.5 355°.00 3°.9/25.9 18

9 28	2 31.30	+ 8 58.6	1.512	2.411	13.3	18.4
10 8	2 28.07	+ 7 12.6	1.453	2.404	9.4	18.1
10 18	2 22.90	+ 5 18.5	1.418	2.398	5.5	17.9
10 28	2 16.62	+ 3 25.8	1.409	2.394	4.1	17.8
11 7	2 10.28	+ 1 44.9	1.427	2.391	7.1	18.0
11 17	2 4.91	+ 0 24.5	1.470	2.389	11.2	18.2
11 27	2 1.37	− 0 30.1	1.536	2.388	14.9	18.5
12 7	2 0.16	− 0 57.7	1.621	2.389	18.0	18.7

523378 2017 DS_{5} 10 29.5 270°.74 7°.2/22.4 18

9 28	2 36.59	− 6 56.4	2.168	3.040	11.1	21.2
10 8	2 31.36	− 8 10.1	2.108	3.028	8.9	21.0
10 18	2 24.55	− 9 16.1	2.073	3.016	7.4	20.9
10 28	2 16.83	−10 7.6	2.065	3.004	7.5	20.9
11 7	2 9.04	−10 39.4	2.084	2.992	9.1	21.0
11 17	2 1.98	−10 48.6	2.128	2.979	11.5	21.1
11 27	1 56.38	−10 34.8	2.195	2.967	13.8	21.3
12 7	1 52.72	− 9 59.9	2.280	2.955	15.9	21.4

262034 2006 QD_{133} 10 29.5 43°.91 8°.8/25.2 18

9 28	2 42.05	− 2 42.2	1.064	1.964	17.5	19.4
10 8	2 35.93	− 3 49.0	1.039	1.982	13.2	19.2
10 18	2 27.16	− 4 43.8	1.034	2.000	9.8	19.1
10 28	2 17.15	− 5 16.5	1.052	2.019	9.0	19.1
11 7	2 7.52	− 5 20.7	1.094	2.039	11.4	19.3
11 17	1 59.66	− 4 55.2	1.157	2.060	15.0	19.6
11 27	1 54.56	− 4 2.6	1.240	2.081	18.5	19.9
12 7	1 52.61	− 2 48.5	1.340	2.102	21.4	20.2

408511 2013 JS_{32} 10 29.5 29°.03 8°.4/23.2 18

9 28	2 37.97	− 9 46.8	1.885	2.754	12.5	19.6
10 8	2 32.33	−10 39.3	1.848	2.762	10.2	19.5
10 18	2 25.03	−11 18.7	1.835	2.771	8.7	19.4
10 28	2 16.89	−11 38.7	1.847	2.780	8.6	19.4
11 7	2 8.85	−11 35.6	1.884	2.790	10.1	19.6
11 17	2 1.81	−11 8.4	1.947	2.799	12.3	19.7
11 27	1 56.49	−10 18.8	2.031	2.810	14.6	19.9
12 7	1 53.30	− 9 10.4	2.134	2.820	16.6	20.1

288308 2004 BX_{32} 10 29.5 11°.15 11°.4/ 6.3 18

9 28	2 37.34	+36 25.9	1.106	1.934	22.3	18.9
10 8	2 33.59	+37 38.2	1.057	1.939	18.9	18.7
10 18	2 26.40	+38 14.8	1.025	1.947	15.4	18.5
10 28	2 17.10	+38 10.2	1.011	1.956	12.5	18.4
11 7	2 7.63	+37 25.9	1.018	1.968	11.4	18.4
11 17	1 59.92	+36 10.3	1.046	1.982	12.7	18.5
11 27	1 55.46	+34 37.9	1.095	1.997	15.5	18.8
12 7	1 54.88	+33 3.4	1.163	2.014	18.7	19.0

410541 2008 FW_{69} 10 29.5 171°.48 0°.2/29.7 18

9 28	2 40.40	+14 37.5	2.533	3.386	10.3	22.0
10 8	2 33.88	+14 35.8	2.461	3.389	7.4	21.8
10 18	2 25.87	+14 27.7	2.416	3.391	4.1	21.6
10 28	2 17.02	+14 15.1	2.400	3.393	0.6	21.4
11 7	2 8.09	+14 0.5	2.415	3.395	3.0	21.6
11 17	1 59.87	+13 46.8	2.459	3.396	6.3	21.8
11 27	1 53.05	+13 37.2	2.532	3.396	9.3	22.0
12 7	1 48.08	+13 34.3	2.630	3.397	11.9	22.2

103503 2000 AP_{248} 10 29.5 267°.92 6°.6/23.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 28	2 37.16	− 1 24.5	1.809	2.693	12.3	19.4
10 8	2 31.96	− 2 52.0	1.753	2.688	9.3	19.2
10 18	2 24.94	− 4 15.5	1.721	2.683	7.0	19.0
10 28	2 16.90	− 5 27.0	1.717	2.677	6.8	19.0
11 7	2 8.82	− 6 19.5	1.740	2.672	8.9	19.1
11 17	2 1.64	− 6 48.7	1.788	2.667	11.9	19.3
11 27	1 56.18	− 6 53.0	1.858	2.662	14.8	19.5
12 7	1 52.95	− 6 33.9	1.947	2.657	17.3	19.7

515182 2011 TL_{17} 10 29.5 104°.50 3°.6/ 1.8 18

9 28	2 40.02	+27 1.1	1.896	2.724	14.3	21.0
10 8	2 34.01	+26 33.8	1.833	2.735	11.0	20.8
10 18	2 26.05	+25 46.7	1.792	2.747	7.4	20.6
10 28	2 17.04	+24 41.7	1.778	2.758	4.2	20.4
11 7	2 8.10	+23 23.7	1.792	2.769	4.3	20.5
11 17	2 0.25	+22 0.1	1.835	2.780	7.4	20.7
11 27	1 54.36	+20 39.1	1.905	2.791	10.8	20.9
12 7	1 50.89	+19 27.5	1.999	2.801	13.9	21.1

482910 2014 HV_{42} 10 29.5 146°.02 1°.4/28.5 18

9 28	2 41.33	+10 21.6	2.037	2.905	11.8	21.6
10 8	2 34.75	+10 6.7	1.974	2.910	8.4	21.4
10 18	2 26.42	+ 9 47.4	1.937	2.915	4.6	21.2
10 28	2 17.10	+ 9 26.9	1.929	2.920	1.4	20.9
11 7	2 7.76	+ 9 8.9	1.949	2.925	4.2	21.2
11 17	1 59.34	+ 8 56.9	1.999	2.930	7.9	21.4
11 27	1 52.61	+ 8 54.0	2.075	2.934	11.3	21.6
12 7	1 48.09	+ 9 2.0	2.174	2.937	14.1	21.8

408070 2012 GF_{28} 10 29.5 263°.26 4°.9/24.5 18

9 28	2 35.39	− 0 12.4	2.325	3.203	10.2	21.2
10 8	2 30.40	− 1 16.9	2.262	3.196	7.6	21.0
10 18	2 23.99	− 2 18.7	2.226	3.190	5.4	20.9
10 28	2 16.79	− 3 12.5	2.218	3.183	5.1	20.9
11 7	2 9.53	− 3 53.3	2.238	3.177	6.8	21.0
11 17	2 2.95	− 4 17.6	2.285	3.170	9.4	21.1
11 27	1 57.71	− 4 23.9	2.357	3.164	12.0	21.3
12 7	1 54.24	− 4 12.3	2.450	3.157	14.2	21.4

143826 2003 WH_{148} 10 29.5 151°.43 1°.7/28.5 17

9 28	2 45.04	+10 5.4	1.565	2.439	14.4	20.0
10 8	2 37.82	+ 9 52.7	1.505	2.444	10.3	19.8
10 18	2 28.25	+ 9 34.9	1.469	2.448	5.6	19.5
10 28	2 17.36	+ 9 15.7	1.460	2.452	1.7	19.3
11 7	2 6.42	+ 8 59.9	1.480	2.456	5.1	19.5
11 17	1 56.72	+ 8 51.8	1.526	2.459	9.7	19.8
11 27	1 49.28	+ 8 55.0	1.598	2.462	13.8	20.1
12 7	1 44.67	+ 9 11.2	1.690	2.465	17.1	20.3

220825 2004 TX_{312} 10 29.5 141°.56 0°.0/29.4 18

9 28	2 38.20	+15 7.1	2.430	3.287	10.5	21.0
10 8	2 32.34	+14 46.1	2.365	3.294	7.5	20.8
10 18	2 25.03	+14 17.8	2.325	3.301	4.1	20.6
10 28	2 16.93	+13 44.7	2.314	3.308	0.6	20.3
11 7	2 8.81	+13 10.3	2.334	3.314	3.0	20.6
11 17	2 1.45	+12 38.4	2.383	3.320	6.4	20.8
11 27	1 55.48	+12 12.7	2.460	3.325	9.5	21.0
12 7	1 51.36	+11 56.0	2.560	3.331	12.1	21.2

139444 2001 OY_{61} 10 29.5 3°.49 4°.4/26.4 18

9 28	2 38.25	+ 3 59.0	1.673	2.559	13.0	18.9
10 8	2 32.84	+ 3 12.7	1.616	2.559	9.3	18.7
10 18	2 25.46	+ 2 26.7	1.584	2.559	5.8	18.5
10 28	2 16.99	+ 1 47.1	1.578	2.559	4.4	18.4
11 7	2 8.49	+ 1 19.6	1.599	2.560	6.9	18.6
11 17	2 1.00	+ 1 8.3	1.647	2.561	10.5	18.8
11 27	1 55.40	+ 1 15.4	1.717	2.563	13.9	19.0
12 7	1 52.19	+ 1 40.4	1.808	2.564	16.9	19.2

487339 2014 QS_{194} 10 29.5 43°.13 3°.5/ 1.6 17

9 28	2 37.93	+25 30.4	1.884	2.721	14.0	20.5
10 8	2 32.54	+25 20.2	1.826	2.735	10.7	20.4
10 18	2 25.26	+24 52.5	1.791	2.749	7.1	20.2
10 28	2 16.96	+24 8.8	1.782	2.764	4.0	20.0
11 7	2 8.70	+23 13.4	1.801	2.779	4.2	20.1
11 17	2 1.49	+22 12.2	1.848	2.794	7.3	20.3
11 27	1 56.15	+21 12.5	1.921	2.809	10.6	20.5
12 7	1 53.15	+20 20.2	2.017	2.825	13.6	20.8

220511 2004 ET_{9} 10 29.5 188°.28 3°.2/26.3 18

9 28	2 39.69	+ 9 59.9	1.931	2.804	12.1	20.2
10 8	2 33.65	+ 8 7.6	1.864	2.804	8.5	20.0
10 18	2 25.83	+ 6 6.8	1.825	2.803	4.9	19.8
10 28	2 17.04	+ 4 5.7	1.815	2.801	3.2	19.7
11 7	2 8.24	+ 2 13.4	1.836	2.798	6.0	19.8
11 17	2 0.38	+ 0 37.9	1.887	2.795	9.7	20.0
11 27	1 54.26	− 0 35.6	1.962	2.791	13.1	20.3
12 7	1 50.34	− 1 25.0	2.059	2.787	15.9	20.5

2020	α_{2000}	δ_{2000}	Δ	r	β	V
335741 2007 EH_7		10 29.5 105°.71	0°.2/29.4 18			
	h m	° ′			°	m
9 28	2 41.79	+15 17.7	1.686	2.554	13.9	21.4
10 8	2 35.28	+14 44.0	1.634	2.568	9.9	21.2
10 18	2 26.75	+13 59.8	1.605	2.583	5.4	20.9
10 28	2 17.16	+13 9.3	1.604	2.597	0.7	20.6
11 7	2 7.66	+12 18.3	1.631	2.611	4.1	20.9
11 17	1 59.36	+11 32.9	1.686	2.624	8.5	21.2
11 27	1 53.10	+10 58.3	1.766	2.637	12.3	21.5
12 7	1 49.39	+10 37.8	1.868	2.650	15.5	21.7
452110 2014 QC_{372}		10 29.5 193°.72	0°.7/30.1 17			
9 28	2 39.34	+16 15.5	2.324	3.178	11.1	21.1
10 8	2 33.30	+16 16.9	2.251	3.178	8.0	20.9
10 18	2 25.63	+16 10.5	2.204	3.177	4.6	20.7
10 28	2 17.03	+15 57.9	2.185	3.177	1.0	20.5
11 7	2 8.32	+15 41.7	2.195	3.176	3.1	20.6
11 17	2 0.36	+15 25.3	2.236	3.176	6.6	20.9
11 27	1 53.88	+15 12.4	2.303	3.175	9.8	21.1
12 7	1 49.38	+15 6.0	2.395	3.174	12.5	21.2
396914 2005 EG_{43}		10 29.5 213°.84	2°.0/31.2 18			
9 28	2 41.12	+20 54.7	2.199	3.039	12.1	21.8
10 8	2 34.73	+20 50.5	2.117	3.033	9.0	21.5
10 18	2 26.49	+20 34.0	2.060	3.027	5.6	21.3
10 28	2 17.15	+20 6.3	2.031	3.019	2.4	21.1
11 7	2 7.64	+19 30.5	2.032	3.012	3.4	21.2
11 17	1 58.92	+18 51.0	2.062	3.004	6.9	21.4
11 27	1 51.84	+18 13.1	2.119	2.995	10.3	21.6
12 7	1 46.96	+17 41.7	2.200	2.986	13.3	21.8
8068 Vishnureddy		10 29.5 345°.69	2°.3/27.9 18			
9 28	2 35.36	+10 48.8	1.366	2.261	14.8	16.8
10 8	2 31.26	+10 3.8	1.301	2.250	10.5	16.5
10 18	2 24.81	+ 9 10.4	1.259	2.241	5.8	16.2
10 28	2 16.93	+ 8 14.7	1.241	2.233	2.3	16.0
11 7	2 8.89	+ 7 24.4	1.249	2.225	5.9	16.2
11 17	2 1.95	+ 6 46.6	1.282	2.219	10.7	16.4
11 27	1 57.16	+ 6 26.6	1.337	2.214	15.1	16.7
12 7	1 55.15	+ 6 26.6	1.411	2.211	18.8	16.9
292603 2006 TC_{109}		10 29.5 295°.03	2°.5/31.0 17			
9 28	2 42.68	+19 46.7	1.867	2.716	13.6	20.7
10 8	2 36.27	+20 16.0	1.780	2.700	10.2	20.5
10 18	2 27.55	+20 34.4	1.717	2.684	6.4	20.2
10 28	2 17.31	+20 41.5	1.681	2.668	2.9	20.0
11 7	2 6.68	+20 38.9	1.673	2.652	4.1	20.0
11 17	1 56.86	+20 29.8	1.693	2.637	8.0	20.2
11 27	1 48.94	+20 19.4	1.740	2.621	11.9	20.4
12 7	1 43.66	+20 12.9	1.809	2.606	15.3	20.6
163354 2002 NW_{43}		10 29.5 73°.39	3°.8/26.1 18			
9 28	2 37.51	+ 7 54.2	1.650	2.536	13.1	19.8
10 8	2 32.20	+ 6 16.8	1.605	2.549	9.2	19.6
10 18	2 25.04	+ 4 35.3	1.585	2.563	5.4	19.4
10 28	2 16.95	+ 2 58.1	1.593	2.576	3.9	19.3
11 7	2 8.99	+ 1 33.8	1.628	2.590	6.7	19.5
11 17	2 2.12	+ 0 28.8	1.690	2.603	10.4	19.8
11 27	1 57.15	− 0 13.1	1.777	2.617	13.8	20.0
12 7	1 54.48	− 0 31.7	1.883	2.630	16.6	20.3
147114 2002 TK_{72}		10 29.5 77°.78	2°.3/31.2 17			
9 28	2 41.42	+22 23.2	1.414	2.273	16.5	19.2
10 8	2 35.41	+21 47.3	1.361	2.286	12.3	19.0
10 18	2 26.95	+20 51.2	1.330	2.300	7.4	18.8
10 28	2 17.21	+19 38.6	1.324	2.314	2.9	18.5
11 7	2 7.59	+18 16.9	1.345	2.327	4.3	18.7
11 17	1 59.40	+16 55.6	1.393	2.341	8.9	19.0
11 27	1 53.64	+15 43.9	1.466	2.355	13.2	19.3
12 7	1 50.82	+14 48.2	1.560	2.368	16.8	19.5
178026 2006 RU_{34}		10 29.5 40°.00	2°.1/31.1 18			
9 28	2 39.04	+20 49.6	1.701	2.558	14.3	20.1
10 8	2 33.51	+20 35.6	1.639	2.564	10.6	19.9
10 18	2 25.88	+20 6.5	1.600	2.571	6.4	19.7
10 28	2 17.08	+19 24.4	1.588	2.577	2.5	19.4
11 7	2 8.25	+18 34.3	1.602	2.584	3.8	19.5
11 17	2 0.51	+17 42.3	1.645	2.591	7.9	19.8
11 27	1 54.77	+16 55.4	1.713	2.599	11.8	20.1
12 7	1 51.57	+16 18.9	1.802	2.606	15.1	20.3
198666 2005 BN_{23}		10 29.5 6°.94	0°.6/30.0 18			
9 28	2 37.28	+16 41.0	2.213	3.072	11.4	20.3
10 8	2 31.89	+16 28.5	2.143	3.073	8.2	20.1
10 18	2 24.88	+16 7.1	2.098	3.073	4.6	19.8
10 28	2 16.95	+15 39.0	2.081	3.073	1.0	19.6
11 7	2 8.95	+15 7.7	2.093	3.074	3.1	19.8
11 17	2 1.71	+14 37.3	2.133	3.075	6.8	20.0
11 27	1 55.98	+14 12.0	2.201	3.076	10.1	20.2
12 7	1 52.23	+13 55.1	2.292	3.077	12.9	20.4

2020	α_{2000}	δ_{2000}	Δ	r	β	V
137331 1999 TX_{53}		10 29.5 359°.23	0°.2/29.4 18			
	h m	° ′			°	m
9 28	2 37.23	+17 8.0	1.175	2.063	17.1	19.7
10 8	2 32.85	+16 8.1	1.117	2.061	12.3	19.4
10 18	2 25.75	+14 49.4	1.079	2.060	6.8	19.1
10 28	2 17.07	+13 18.8	1.066	2.059	0.9	18.7
11 7	2 8.33	+11 46.7	1.078	2.059	5.2	19.1
11 17	2 0.98	+10 24.4	1.114	2.060	10.8	19.4
11 27	1 56.20	+ 9 21.1	1.173	2.062	15.8	19.7
12 7	1 54.57	+ 8 41.6	1.250	2.064	19.9	20.0
191541 2003 UF_{238}		10 29.5 324°.97	4°.1/26.3 18			
9 28	2 37.95	+ 1 50.6	2.127	3.004	11.0	19.2
10 8	2 32.36	+ 1 23.1	2.062	2.999	8.0	19.0
10 18	2 25.14	+ 0 58.0	2.022	2.993	5.2	18.8
10 28	2 16.99	+ 0 39.6	2.010	2.988	4.1	18.8
11 7	2 8.78	+ 0 31.8	2.027	2.983	6.1	18.9
11 17	2 1.33	+ 0 37.1	2.071	2.978	9.1	19.1
11 27	1 55.40	+ 0 56.9	2.140	2.973	12.0	19.2
12 7	1 51.46	+ 1 30.8	2.230	2.969	14.6	19.4
315131 2007 EH_{100}		10 29.5 151°.06	1°.2/28.3 18			
9 28	2 36.67	+11 38.5	2.403	3.271	10.3	21.3
10 8	2 31.27	+10 56.6	2.339	3.275	7.2	21.1
10 18	2 24.47	+10 9.3	2.300	3.279	3.9	20.9
10 28	2 16.91	+ 9 20.1	2.291	3.283	1.3	20.8
11 7	2 9.33	+ 8 33.5	2.312	3.286	3.7	21.0
11 17	2 2.48	+ 7 53.6	2.361	3.290	7.0	21.2
11 27	1 56.98	+ 7 23.7	2.438	3.293	10.0	21.4
12 7	1 53.27	+ 7 6.1	2.538	3.296	12.5	21.6
3035 Chambers		10 29.5 185°.62	0°.8/28.9 18			
9 28	2 39.29	+13 35.9	2.116	2.980	11.6	17.6
10 8	2 33.33	+12 57.3	2.046	2.980	8.2	17.4
10 18	2 25.68	+12 10.8	2.002	2.980	4.5	17.2
10 28	2 17.07	+11 20.1	1.986	2.979	0.8	16.9
11 7	2 8.41	+10 29.9	2.000	2.978	3.8	17.1
11 17	2 0.59	+ 9 45.3	2.043	2.976	7.6	17.4
11 27	1 54.36	+ 9 10.8	2.112	2.974	11.0	17.6
12 7	1 50.23	+ 8 49.1	2.205	2.971	13.9	17.8
342249 2008 SU_{285}		10 29.5 66°.34	0°.2/29.4 18			
9 28	2 47.81	+12 21.1	1.462	2.332	15.5	20.4
10 8	2 39.71	+12 42.4	1.421	2.357	11.0	20.2
10 18	2 29.22	+12 56.8	1.404	2.381	6.0	20.0
10 28	2 17.53	+13 6.1	1.413	2.406	0.8	19.7
11 7	2 6.06	+13 13.3	1.450	2.430	4.4	20.0
11 17	1 56.13	+13 21.9	1.515	2.455	9.1	20.4
11 27	1 48.71	+13 35.7	1.605	2.479	13.2	20.7
12 7	1 44.28	+13 57.1	1.716	2.503	16.4	20.9
72664 2001 FH_{49}		10 29.5 212°.43	2°.8/ 1.3 18			
9 28	2 38.69	+24 40.7	2.678	3.499	10.8	19.5
10 8	2 32.78	+24 42.6	2.594	3.494	8.2	19.4
10 18	2 25.36	+24 32.3	2.534	3.489	5.5	19.2
10 28	2 17.04	+24 10.1	2.503	3.483	3.2	19.0
11 7	2 8.58	+23 38.3	2.502	3.477	3.4	19.0
11 17	2 0.77	+23 0.4	2.530	3.471	5.9	19.2
11 27	1 54.31	+22 20.8	2.587	3.464	8.7	19.4
12 7	1 49.69	+21 44.2	2.668	3.457	11.2	19.5
520655 2014 QW_{149}		10 29.5 124°.76	3°.2/ 1.5 18			
9 28	2 39.96	+25 4.6	2.433	3.255	11.7	21.9
10 8	2 33.73	+25 12.3	2.364	3.264	9.0	21.7
10 18	2 25.87	+25 6.7	2.319	3.272	6.0	21.6
10 28	2 17.10	+24 48.1	2.302	3.280	3.6	21.4
11 7	2 8.28	+24 18.8	2.314	3.288	3.7	21.5
11 17	2 0.26	+23 42.7	2.356	3.296	6.3	21.6
11 27	1 53.77	+23 4.8	2.425	3.304	9.1	21.8
12 7	1 49.29	+22 29.9	2.519	3.311	11.6	22.0
319258 2006 AQ_{92}		10 29.5 124°.10	0°.9/28.8 18			
9 28	2 41.17	+13 11.9	1.877	2.744	12.7	21.3
10 8	2 34.72	+12 37.3	1.821	2.757	9.0	21.1
10 18	2 26.44	+11 54.9	1.790	2.768	4.9	20.9
10 28	2 17.18	+11 8.8	1.787	2.780	0.9	20.6
11 7	2 7.98	+10 24.1	1.813	2.791	4.1	20.9
11 17	1 59.81	+ 9 46.0	1.868	2.802	8.1	21.2
11 27	1 53.50	+ 9 18.8	1.948	2.812	11.7	21.4
12 7	1 49.50	+ 9 4.9	2.051	2.822	14.7	21.6
259777 2004 BX_{27}		10 29.5 188°.40	3°.0/27.2 18			
9 28	2 41.89	+ 7 27.2	1.896	2.769	12.3	21.6
10 8	2 35.30	+ 6 38.3	1.831	2.769	8.8	21.4
10 18	2 26.81	+ 5 46.0	1.791	2.768	5.0	21.2
10 28	2 17.24	+ 4 55.4	1.779	2.766	3.0	21.1
11 7	2 7.61	+ 4 12.3	1.797	2.764	5.6	21.2
11 17	1 58.94	+ 3 41.4	1.842	2.760	9.3	21.5
11 27	1 52.08	+ 3 26.1	1.913	2.756	12.8	21.7
12 7	1 47.55	+ 3 27.5	2.005	2.752	15.7	21.9

2020	α_{2000}	δ_{2000}	Δ	r	β	V
474947 2005 SW_{292}		10 29.5	5°.99	0°.6/29.8 16		
	h m	° ′			°	m
9 28	2 37.68	+15 55.6	1.051	1.947	18.0	20.8
10 8	2 33.42	+15 48.0	0.999	1.947	13.1	20.5
10 18	2 26.17	+15 25.5	0.967	1.948	7.3	20.2
10 28	2 17.17	+14 52.2	0.957	1.950	1.3	19.8
11 7	2 8.07	+14 15.0	0.971	1.954	5.1	20.1
11 17	2 0.50	+13 42.0	1.008	1.960	10.9	20.5
11 27	1 55.74	+13 20.6	1.066	1.967	16.0	20.8
12 7	1 54.40	+13 15.3	1.143	1.975	20.2	21.1
102129 1999 RM_{179}		10 29.5	5°.34	1°.0/29.1 18		R
9 28	2 41.61	+11 56.7	1.097	1.992	17.5	18.3
10 8	2 36.15	+11 57.5	1.044	1.991	12.6	18.0
10 18	2 27.66	+11 50.1	1.010	1.992	6.9	17.7
10 28	2 17.37	+11 38.2	1.000	1.993	1.2	17.4
11 7	2 6.96	+11 27.3	1.014	1.995	5.6	17.7
11 17	1 58.08	+11 23.2	1.052	1.999	11.3	18.0
11 27	1 52.05	+11 30.8	1.112	2.003	16.3	18.3
12 7	1 49.52	+11 52.8	1.190	2.008	20.4	18.6
141577 2002 GS_{149}		10 29.5	357°.70	0°.6/30.4 18		
9 28	2 30.84	+17 34.5	4.157	5.002	6.8	19.8
10 8	2 26.77	+17 21.5	4.080	5.002	4.9	19.7
10 18	2 21.90	+17 3.3	4.030	5.002	2.8	19.5
10 28	2 16.59	+16 41.2	4.010	5.002	0.8	19.3
11 7	2 11.24	+16 17.0	4.021	5.002	1.8	19.4
11 17	2 6.26	+15 52.7	4.062	5.002	3.9	19.6
11 27	2 2.01	+15 30.4	4.132	5.002	5.9	19.7
12 7	1 58.79	+15 12.1	4.228	5.002	7.6	19.9
245916 2006 QQ_{165}		10 29.5	294°.37	2°.1/31.1 18		
9 28	2 38.83	+21 5.5	1.827	2.680	13.6	20.3
10 8	2 33.40	+20 50.4	1.750	2.673	10.2	20.1
10 18	2 25.89	+20 20.3	1.697	2.666	6.2	19.9
10 28	2 17.15	+19 37.0	1.670	2.659	2.5	19.6
11 7	2 8.23	+18 44.9	1.671	2.652	3.7	19.7
11 17	2 0.24	+17 50.0	1.699	2.645	7.8	19.9
11 27	1 54.12	+16 59.1	1.754	2.638	11.7	20.1
12 7	1 50.47	+16 17.9	1.831	2.632	15.0	20.3
30535 2001 OR_{5}		10 29.5	195°.76	16°.8/14.5 17		
9 28	2 40.71	−16 29.6	1.107	1.984	18.8	17.7
10 8	2 35.33	−20 0.0	1.085	1.983	17.1	17.6
10 18	2 27.10	−23 0.9	1.084	1.983	16.9	17.6
10 28	2 17.29	−25 13.7	1.105	1.982	18.1	17.6
11 7	2 7.57	−26 28.6	1.144	1.981	20.3	17.8
11 17	1 59.46	−26 45.0	1.200	1.980	22.7	18.0
11 27	1 54.11	−26 9.6	1.268	1.978	25.0	18.2
12 7	1 52.05	−24 52.9	1.347	1.976	26.9	18.3
381067 2006 YH_{10}		10 29.5	345°.32	5°.8/26.5 18		
9 28	2 41.11	+ 2 22.9	1.248	2.144	15.8	20.1
10 8	2 35.47	+ 1 43.1	1.193	2.139	11.6	19.8
10 18	2 27.17	+ 1 5.9	1.160	2.135	7.5	19.6
10 28	2 17.32	+ 0 39.1	1.150	2.131	5.8	19.5
11 7	2 7.37	+ 0 29.5	1.166	2.128	8.6	19.7
11 17	1 58.75	+ 0 41.2	1.205	2.126	13.0	19.9
11 27	1 52.62	+ 1 15.2	1.266	2.124	17.1	20.2
12 7	1 49.60	+ 2 9.5	1.345	2.123	20.6	20.4
6742 Biandepei		10 29.5	127°.04	3°.1/27.4 18		
9 28	2 43.13	+ 7 22.9	1.696	2.573	13.4	17.3
10 8	2 36.20	+ 6 37.1	1.647	2.586	9.5	17.1
10 18	2 27.27	+ 5 48.4	1.622	2.600	5.4	16.9
10 28	2 17.32	+ 5 2.6	1.625	2.612	3.1	16.8
11 7	2 7.47	+ 4 25.5	1.656	2.624	5.8	17.0
11 17	1 58.81	+ 4 1.6	1.715	2.636	9.7	17.2
11 27	1 52.18	+ 3 53.8	1.799	2.647	13.3	17.5
12 7	1 48.06	+ 4 2.6	1.903	2.657	16.2	17.7
322278 2011 FY_{5}		10 29.5	139°.54	0°.5/29.9 18		
9 28	2 42.84	+16 25.9	1.772	2.633	13.6	21.7
10 8	2 36.10	+16 7.4	1.711	2.641	9.8	21.5
10 18	2 27.29	+15 37.9	1.674	2.649	5.5	21.3
10 28	2 17.33	+15 0.4	1.664	2.657	1.0	21.0
11 7	2 7.37	+14 19.7	1.683	2.664	3.8	21.2
11 17	1 58.52	+13 41.3	1.731	2.671	8.1	21.5
11 27	1 51.68	+13 10.5	1.804	2.678	12.0	21.7
12 7	1 47.39	+12 51.3	1.900	2.684	15.2	22.0
228839 2003 EG_{14}		10 29.5	323°.50	3°.3/27.6 18		
9 28	2 40.69	+ 7 25.2	1.365	2.255	15.1	19.9
10 8	2 35.11	+ 6 55.3	1.301	2.247	10.8	19.6
10 18	2 26.98	+ 6 21.9	1.259	2.239	6.2	19.3
10 28	2 17.31	+ 5 50.8	1.242	2.231	3.3	19.1
11 7	2 7.44	+ 5 28.4	1.252	2.224	6.6	19.3
11 17	1 58.76	+ 5 19.9	1.286	2.217	11.3	19.6
11 27	1 52.40	+ 5 28.9	1.343	2.211	15.7	19.8
12 7	1 49.03	+ 5 55.9	1.419	2.205	19.3	20.1

2020	α_{2000}	δ_{2000}	Δ	r	β	V
25993 Kevinxu		10 29.5	65°.52	6°.7/ 2.7 18		
	h m	° ′			°	m
9 28	2 45.74	+29 13.1	1.381	2.212	18.4	18.1
10 8	2 38.88	+29 52.1	1.327	2.225	14.7	17.9
10 18	2 29.08	+30 6.2	1.293	2.239	10.6	17.7
10 28	2 17.58	+29 53.1	1.283	2.252	7.4	17.5
11 7	2 6.04	+29 15.5	1.298	2.266	7.1	17.6
11 17	1 56.09	+28 20.9	1.338	2.280	9.9	17.8
11 27	1 48.97	+27 19.9	1.402	2.293	13.6	18.0
12 7	1 45.31	+26 22.5	1.488	2.307	17.0	18.3
186006 2001 QF_{60}		10 29.5	65°.34	0°.4/29.3 18		
9 28	2 43.77	+14 12.1	1.345	2.222	16.1	20.1
10 8	2 36.96	+13 50.7	1.306	2.245	11.4	19.9
10 18	2 27.76	+13 18.9	1.289	2.268	6.2	19.7
10 28	2 17.38	+12 41.3	1.298	2.291	0.8	19.4
11 7	2 7.25	+12 4.2	1.334	2.314	4.7	19.8
11 17	1 58.67	+11 33.6	1.396	2.337	9.6	20.1
11 27	1 52.60	+11 14.8	1.482	2.360	13.8	20.4
12 7	1 49.47	+11 10.4	1.588	2.383	17.2	20.7
116745 2004 DO_{48}		10 29.5	140°.05	1°.5/30.7 18		
9 28	2 43.58	+19 31.0	1.843	2.692	13.7	20.7
10 8	2 36.58	+19 16.7	1.781	2.703	10.0	20.5
10 18	2 27.53	+18 49.1	1.743	2.714	5.9	20.2
10 28	2 17.37	+18 10.4	1.733	2.724	2.0	20.0
11 7	2 7.22	+17 25.1	1.752	2.733	3.6	20.1
11 17	1 58.17	+16 38.8	1.799	2.742	7.7	20.4
11 27	1 51.14	+15 57.7	1.874	2.750	11.5	20.7
12 7	1 46.64	+15 26.5	1.970	2.757	14.6	20.9
92066 1999 WA_{14}		10 29.5	257°.30	1°.9/28.1 18		
9 28	2 39.31	+ 8 19.2	2.248	3.118	10.8	18.6
10 8	2 33.33	+ 8 5.6	2.175	3.111	7.7	18.4
10 18	2 25.71	+ 7 49.5	2.127	3.104	4.3	18.2
10 28	2 17.13	+ 7 33.9	2.107	3.097	1.9	18.0
11 7	2 8.44	+ 7 22.2	2.118	3.090	4.2	18.2
11 17	2 0.47	+ 7 17.3	2.157	3.083	7.7	18.4
11 27	1 53.97	+ 7 21.9	2.223	3.076	10.9	18.6
12 7	1 49.46	+ 7 37.2	2.311	3.069	13.6	18.7
321527 2009 SM_{236}		10 29.5	34°.00	6°.1/25.1 18		
9 28	2 37.76	− 1 33.2	1.724	2.609	12.7	19.0
10 8	2 32.33	− 2 23.5	1.685	2.621	9.5	18.9
10 18	2 25.14	− 3 7.5	1.670	2.634	6.9	18.7
10 28	2 17.04	− 3 38.6	1.681	2.647	6.2	18.7
11 7	2 9.07	− 3 52.3	1.718	2.661	8.2	18.9
11 17	2 2.14	− 3 46.2	1.781	2.676	11.1	19.1
11 27	1 57.03	− 3 20.1	1.867	2.690	13.9	19.3
12 7	1 54.15	− 2 36.3	1.973	2.706	16.4	19.5
52507 1996 GC_{1}		10 29.5	120°.65	1°.7/28.3 18		
9 28	2 41.73	+11 23.1	1.776	2.648	13.1	19.5
10 8	2 35.17	+10 37.9	1.724	2.662	9.2	19.3
10 18	2 26.71	+ 9 46.1	1.697	2.676	5.0	19.1
10 28	2 17.26	+ 8 52.7	1.698	2.689	1.7	18.9
11 7	2 7.91	+ 8 3.6	1.727	2.702	4.7	19.2
11 17	1 59.68	+ 7 24.1	1.785	2.715	8.8	19.4
11 27	1 53.38	+ 6 58.3	1.868	2.727	12.4	19.7
12 7	1 49.48	+ 6 48.1	1.973	2.738	15.3	19.9
223152 2002 XE_{22}		10 29.5	271°.52	1°.7/30.6 18		
9 28	2 43.00	+18 41.3	1.654	2.512	14.6	21.0
10 8	2 36.76	+18 41.0	1.565	2.492	10.8	20.7
10 18	2 27.97	+18 27.4	1.499	2.471	6.5	20.4
10 28	2 17.48	+18 1.3	1.459	2.450	2.1	20.1
11 7	2 6.54	+17 26.6	1.447	2.428	4.2	20.2
11 17	1 56.49	+16 48.7	1.462	2.407	9.0	20.4
11 27	1 48.57	+16 14.6	1.503	2.384	13.5	20.7
12 7	1 43.54	+15 50.4	1.565	2.362	17.3	20.9
7620 Willaert		10 29.5	237°.38	0°.8/30.1 18		
9 28	2 41.58	+17 42.3	1.801	2.660	13.5	18.9
10 8	2 35.41	+17 20.5	1.720	2.649	9.9	18.6
10 18	2 27.04	+16 45.8	1.664	2.638	5.7	18.4
10 28	2 17.34	+16 1.0	1.634	2.627	1.3	18.0
11 7	2 7.41	+15 10.7	1.634	2.615	3.8	18.2
11 17	1 58.41	+14 21.0	1.661	2.603	8.3	18.5
11 27	1 51.35	+13 38.3	1.715	2.590	12.4	18.7
12 7	1 46.85	+13 7.6	1.790	2.577	15.8	18.9
479651 2014 DC_{60}		10 29.5	349°.19	4°.3/26.8 18		
9 28	2 38.72	+ 5 30.5	1.381	2.275	14.7	20.1
10 8	2 33.59	+ 4 44.1	1.323	2.270	10.6	19.9
10 18	2 26.08	+ 3 55.9	1.288	2.267	6.4	19.6
10 28	2 17.20	+ 3 13.2	1.278	2.263	4.4	19.5
11 7	2 8.23	+ 2 42.9	1.294	2.261	7.3	19.7
11 17	2 0.44	+ 2 30.2	1.335	2.259	11.6	19.9
11 27	1 54.87	+ 2 37.9	1.398	2.258	15.6	20.2
12 7	1 52.10	+ 3 5.8	1.479	2.257	19.0	20.4

24026 Pusateri 10 29.5 281.°49 2.°9/27.5 18 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 28	2 39.71	+10 18.6	1.394	2.282	15.0	18.7
10 8	2 34.29	+ 9 9.9	1.334	2.279	10.6	18.5
10 18	2 26.47	+ 7 52.4	1.296	2.276	5.9	18.2
10 28	2 17.26	+ 6 33.8	1.284	2.274	3.0	18.0
11 7	2 7.97	+ 5 23.0	1.299	2.271	6.4	18.2
11 17	1 59.90	+ 4 28.0	1.339	2.268	11.1	18.5
11 27	1 54.09	+ 3 54.3	1.402	2.266	15.4	18.8
12 7	1 51.12	+ 3 43.6	1.485	2.263	19.0	19.0

247118 2000 UK_{63} 10 29.5 26.°63 1.°2/30.6 18

9 28	2 36.25	+20 33.9	1.780	2.640	13.6	19.8
10 8	2 31.44	+19 44.1	1.717	2.645	10.0	19.6
10 18	2 24.75	+18 38.4	1.677	2.650	5.8	19.4
10 28	2 17.02	+17 21.0	1.665	2.656	1.7	19.1
11 7	2 9.30	+15 58.3	1.680	2.662	3.5	19.3
11 17	2 2.59	+14 38.0	1.723	2.669	7.7	19.6
11 27	1 57.70	+13 27.3	1.792	2.675	11.5	19.8
12 7	1 55.12	+12 31.4	1.884	2.682	14.8	20.0

47947 2000 JT_{72} 10 29.5 288.°40 3.°1/26.4 18

9 28	2 36.19	+10 44.9	1.790	2.672	12.5	18.1
10 8	2 31.38	+ 8 51.9	1.722	2.665	8.8	17.9
10 18	2 24.72	+ 6 48.8	1.680	2.659	5.0	17.7
10 28	2 17.03	+ 4 44.2	1.666	2.653	3.2	17.5
11 7	2 9.28	+ 2 48.0	1.682	2.647	6.2	17.7
11 17	2 2.44	+ 1 8.7	1.726	2.641	10.1	17.9
11 27	1 57.33	− 0 7.4	1.795	2.635	13.7	18.2
12 7	1 54.46	− 0 58.2	1.884	2.629	16.7	18.4

406284 2007 EU_{165} 10 29.5 159.°97 5.°3/23.3 18

9 28	2 35.76	− 4 19.0	2.760	3.628	9.1	21.6
10 8	2 30.46	− 5 28.5	2.711	3.633	7.0	21.5
10 18	2 24.00	− 6 32.8	2.689	3.638	5.6	21.4
10 28	2 16.92	− 7 26.7	2.696	3.643	5.5	21.4
11 7	2 9.86	− 8 6.5	2.732	3.647	6.9	21.5
11 17	2 3.43	− 8 29.6	2.795	3.651	8.9	21.6
11 27	1 58.16	− 8 35.2	2.883	3.655	10.9	21.8
12 7	1 54.42	− 8 24.1	2.991	3.658	12.6	21.9

56516 2000 HE_{20} 10 29.5 63.°49 5.°2/26.2 18

9 28	2 40.97	+ 3 33.7	1.396	2.287	14.8	18.6
10 8	2 34.91	+ 2 32.9	1.358	2.301	10.6	18.4
10 18	2 26.65	+ 1 33.7	1.342	2.316	6.7	18.3
10 28	2 17.28	+ 0 43.9	1.352	2.331	5.3	18.2
11 7	2 8.08	+ 0 10.3	1.387	2.347	7.9	18.4
11 17	2 0.25	− 0 2.8	1.449	2.362	11.7	18.7
11 27	1 54.67	+ 0 5.8	1.532	2.378	15.3	19.0
12 7	1 51.80	+ 0 34.7	1.635	2.393	18.3	19.2

7168 1986 QE_2 10 29.5 33.°94 3.°8/27.5 18

9 28	2 40.69	+ 8 3.0	1.068	1.969	17.4	16.7
10 8	2 35.28	+ 7 15.4	1.028	1.979	12.3	16.5
10 18	2 27.06	+ 6 23.4	1.008	1.989	7.0	16.2
10 28	2 17.34	+ 5 35.2	1.011	2.000	3.8	16.1
11 7	2 7.77	+ 4 59.3	1.039	2.012	7.4	16.3
11 17	1 59.85	+ 4 41.9	1.090	2.025	12.4	16.7
11 27	1 54.69	+ 4 46.1	1.162	2.038	17.0	17.0
12 7	1 52.79	+ 5 11.5	1.252	2.052	20.7	17.3

363356 2002 RZ_{141} 10 29.5 358.°59 2.°6/31.7 17

9 28	2 36.67	+22 39.6	1.999	2.846	12.9	20.0
10 8	2 31.71	+22 31.3	1.927	2.844	9.7	19.8
10 18	2 24.92	+22 8.6	1.878	2.843	6.2	19.6
10 28	2 17.06	+21 32.8	1.856	2.843	3.0	19.4
11 7	2 9.11	+20 47.6	1.862	2.842	3.6	19.5
11 17	2 2.01	+19 58.2	1.896	2.843	7.1	19.7
11 27	1 56.59	+19 10.7	1.957	2.843	10.5	19.9
12 7	1 53.39	+18 30.4	2.040	2.845	13.5	20.1

269699 1997 NO_2 10 29.5 227.°61 1.°0/28.7 18

9 28	2 39.99	+14 23.9	1.855	2.722	12.8	21.2
10 8	2 34.13	+13 21.9	1.777	2.713	9.2	20.9
10 18	2 26.29	+12 8.2	1.724	2.703	5.0	20.7
10 28	2 17.26	+10 48.0	1.699	2.692	1.1	20.4
11 7	2 8.09	+ 9 28.2	1.703	2.680	4.4	20.6
11 17	1 59.82	+ 8 16.1	1.736	2.669	8.8	20.8
11 27	1 53.37	+ 7 17.9	1.795	2.656	12.7	21.0
12 7	1 49.29	+ 6 37.6	1.875	2.643	15.9	21.2

409710 2006 BR_{163} 10 29.5 161.°09 4.°4/ 3.3 17

9 28	2 39.44	+30 45.9	2.680	3.471	11.6	21.9
10 8	2 33.37	+30 54.2	2.602	3.475	9.3	21.7
10 18	2 25.73	+30 46.9	2.548	3.478	6.9	21.5
10 28	2 17.18	+30 23.6	2.521	3.482	4.9	21.4
11 7	2 8.55	+29 46.2	2.523	3.485	4.6	21.4
11 17	2 0.65	+28 58.4	2.554	3.487	6.3	21.5
11 27	1 54.20	+28 5.5	2.613	3.490	8.6	21.7
12 7	1 49.69	+27 12.9	2.697	3.492	10.9	21.9

411150 2010 AV_4 10 29.5 331.°91 0.°1/29.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 28	2 36.56	+14 49.1	2.044	2.912	11.8	20.7
10 8	2 31.56	+14 28.7	1.970	2.905	8.5	20.5
10 18	2 24.82	+13 59.9	1.920	2.898	4.7	20.2
10 28	2 17.07	+13 25.5	1.898	2.891	0.6	19.9
11 7	2 9.18	+12 49.7	1.904	2.885	3.5	20.1
11 17	2 2.07	+12 17.1	1.939	2.879	7.4	20.4
11 27	1 56.52	+11 52.0	1.999	2.873	11.0	20.6
12 7	1 53.07	+11 37.7	2.082	2.868	14.0	20.8

66967 1999 XB_{53} 10 29.5 303.°64 0.°2/29.4 18

9 28	2 37.27	+14 33.4	2.092	2.958	11.6	19.5
10 8	2 32.02	+14 9.1	2.018	2.952	8.3	19.3
10 18	2 25.06	+13 36.6	1.968	2.946	4.6	19.0
10 28	2 17.10	+12 58.9	1.946	2.939	0.6	18.7
11 7	2 9.02	+12 20.1	1.953	2.933	3.5	18.9
11 17	2 1.71	+11 44.8	1.989	2.927	7.4	19.2
11 27	1 55.96	+11 17.5	2.051	2.921	10.9	19.4
12 7	1 52.27	+11 1.3	2.135	2.915	13.8	19.6

433184 2012 TN_{317} 10 29.5 342.°43 2.°0/27.7 15

9 28	2 32.93	+ 9 37.0	2.128	3.009	10.8	20.5
10 8	2 28.92	+ 8 57.1	2.052	2.995	7.7	20.3
10 18	2 23.36	+ 8 12.4	2.001	2.981	4.2	20.1
10 28	2 16.87	+ 7 27.0	1.978	2.968	2.0	19.9
11 7	2 10.26	+ 6 45.8	1.983	2.956	4.5	20.0
11 17	2 4.31	+ 6 13.3	2.016	2.945	8.0	20.2
11 27	1 59.75	+ 5 53.0	2.074	2.934	11.2	20.4
12 7	1 57.07	+ 5 46.8	2.153	2.924	14.0	20.6

402128 2004 GE_{30} 10 29.5 203.°93 0.°5/29.9 18

9 28	2 40.55	+16 5.4	2.326	3.179	11.1	21.7
10 8	2 34.22	+15 58.0	2.249	3.175	8.0	21.5
10 18	2 26.23	+15 42.5	2.197	3.171	4.5	21.3
10 28	2 17.27	+15 20.7	2.174	3.167	0.9	21.0
11 7	2 8.17	+14 55.7	2.181	3.162	3.1	21.2
11 17	1 59.81	+14 31.0	2.218	3.156	6.7	21.4
11 27	1 52.96	+14 10.8	2.282	3.150	10.0	21.6
12 7	1 48.12	+13 58.3	2.370	3.144	12.8	21.8

30525 Lenbright 10 29.5 49.°02 0.°9/30.3 18

9 28	2 39.10	+18 0.3	1.719	2.583	13.8	19.2
10 8	2 33.53	+17 38.4	1.659	2.590	10.0	19.0
10 18	2 25.93	+17 3.9	1.622	2.597	5.7	18.8
10 28	2 17.22	+16 19.8	1.613	2.605	1.4	18.5
11 7	2 8.50	+15 31.3	1.631	2.613	3.7	18.7
11 17	2 0.84	+14 44.5	1.676	2.621	8.0	19.0
11 27	1 55.14	+14 5.3	1.748	2.629	11.9	19.2
12 7	1 51.90	+13 38.0	1.841	2.637	15.1	19.5

397143 2005 WR_{140} 10 29.5 174.°30 6.°9/ 7.4 17

9 28	2 41.01	+41 51.8	2.850	3.565	12.6	21.2
10 8	2 34.59	+41 59.8	2.765	3.568	10.9	21.1
10 18	2 26.43	+41 47.0	2.702	3.569	9.1	20.9
10 28	2 17.30	+41 11.9	2.664	3.571	7.5	20.8
11 7	2 8.11	+40 15.6	2.652	3.572	6.9	20.8
11 17	1 59.78	+39 1.8	2.669	3.572	7.5	20.8
11 27	1 53.08	+37 36.8	2.713	3.573	8.9	20.9
12 7	1 48.50	+36 7.5	2.783	3.573	10.7	21.1

487104 2014 OO_{150} 10 29.5 113.°67 0.°6/30.0 18

9 28	2 38.63	+16 56.3	2.100	2.959	11.9	22.0
10 8	2 32.93	+16 36.1	2.034	2.963	8.6	21.8
10 18	2 25.53	+16 6.1	1.993	2.967	4.9	21.6
10 28	2 17.18	+15 28.9	1.979	2.972	1.0	21.3
11 7	2 8.80	+14 48.5	1.994	2.976	3.3	21.5
11 17	2 1.26	+14 9.7	2.039	2.980	7.1	21.7
11 27	1 55.34	+13 37.1	2.110	2.984	10.5	22.0
12 7	1 51.53	+13 14.3	2.204	2.988	13.4	22.2

103804 2000 DU_{17} 10 29.5 98.°73 0.°4/29.9 18

9 28	2 37.25	+16 43.8	2.392	3.248	10.7	20.3
10 8	2 31.74	+16 19.5	2.330	3.258	7.7	20.2
10 18	2 24.79	+15 46.6	2.294	3.269	4.3	20.0
10 28	2 17.08	+15 7.8	2.286	3.279	0.8	19.7
11 7	2 9.38	+14 26.8	2.308	3.289	2.9	19.9
11 17	2 2.44	+13 47.6	2.360	3.299	6.3	20.1
11 27	1 56.91	+13 14.5	2.439	3.309	9.4	20.4
12 7	1 53.21	+12 50.3	2.541	3.319	11.9	20.6

11603 1995 TF 10 29.5 51.°75 5.°3/ 1.4 18

9 28	2 46.89	+25 7.6	1.571	2.406	16.4	17.9
10 8	2 39.53	+26 6.7	1.510	2.415	12.7	17.7
10 18	2 29.46	+26 48.3	1.472	2.425	8.8	17.5
10 28	2 17.73	+27 9.7	1.459	2.435	5.7	17.3
11 7	2 5.83	+27 11.8	1.473	2.445	6.0	17.4
11 17	1 55.23	+26 58.8	1.515	2.455	9.1	17.6
11 27	1 47.15	+26 38.1	1.581	2.465	12.7	17.8
12 7	1 42.25	+26 17.4	1.669	2.476	16.0	18.0

119710 2001 XP_{191} 10 29.5 288°.55 3°.3/31.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 28	2 40.19	+23 57.1	1.629	2.477	15.3	19.1
10 8	2 34.84	+23 45.8	1.538	2.455	11.7	18.8
10 18	2 26.96	+23 14.7	1.469	2.433	7.7	18.5
10 28	2 17.41	+22 24.1	1.425	2.410	3.9	18.2
11 7	2 7.44	+21 18.3	1.408	2.388	4.6	18.2
11 17	1 58.39	+20 4.5	1.418	2.365	8.8	18.4
11 27	1 51.49	+18 52.1	1.453	2.343	13.3	18.6
12 7	1 47.50	+17 49.5	1.509	2.320	17.2	18.8

288369 2004 CK_{19} 10 29.5 274°.19 0°.1/29.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 38.97	+15 58.3	1.848	2.714	12.9	21.3
10 8	2 33.42	+15 31.8	1.777	2.710	9.3	21.0
10 18	2 25.91	+14 54.6	1.729	2.706	5.2	20.8
10 28	2 17.25	+14 10.0	1.709	2.702	0.8	20.5
11 7	2 8.47	+13 22.9	1.717	2.698	3.7	20.7
11 17	2 0.60	+12 38.9	1.753	2.693	8.0	20.9
11 27	1 54.54	+12 3.5	1.814	2.689	11.9	21.2
12 7	1 50.83	+11 40.5	1.898	2.685	15.1	21.4

184231 2004 RQ_{147} 10 29.5 87°.15 0°.1/29.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 38.75	+14 51.2	2.135	2.997	11.6	20.6
10 8	2 32.90	+14 28.1	2.079	3.011	8.2	20.5
10 18	2 25.46	+13 57.1	2.048	3.025	4.5	20.3
10 28	2 17.18	+13 21.3	2.046	3.039	0.6	20.0
11 7	2 8.94	+12 44.7	2.072	3.052	3.3	20.2
11 17	2 1.58	+12 11.7	2.128	3.066	7.0	20.5
11 27	1 55.82	+11 46.3	2.210	3.079	10.3	20.7
12 7	1 52.08	+11 31.1	2.316	3.092	13.0	20.9

303139 2004 DM_{10} 10 29.5 279°.93 3°.7/26.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 37.13	+ 6 33.2	1.853	2.736	12.1	20.6
10 8	2 32.08	+ 5 23.4	1.781	2.723	8.7	20.3
10 18	2 25.17	+ 4 9.5	1.734	2.711	5.2	20.1
10 28	2 17.15	+ 2 58.0	1.715	2.698	3.8	20.0
11 7	2 9.00	+ 1 55.8	1.724	2.686	6.3	20.1
11 17	2 1.67	+ 1 8.8	1.759	2.673	10.0	20.3
11 27	1 56.02	+ 0 41.0	1.820	2.660	13.5	20.5
12 7	1 52.60	+ 0 33.5	1.900	2.648	16.4	20.7

516341 2017 BZ_{64} 10 29.6 331°.09 5°.3/25.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 39.65	− 0 56.2	1.957	2.834	11.8	20.5
10 8	2 33.68	− 1 30.2	1.899	2.832	8.8	20.4
10 18	2 25.96	− 1 59.3	1.865	2.830	6.2	20.2
10 28	2 17.26	− 2 18.3	1.858	2.828	5.4	20.1
11 7	2 8.52	− 2 23.1	1.880	2.827	7.3	20.3
11 17	2 0.67	− 2 11.2	1.928	2.825	10.2	20.4
11 27	1 54.49	− 1 42.0	2.000	2.823	13.1	20.6
12 7	1 50.48	− 0 56.8	2.093	2.822	15.7	20.8

111965 2002 GP_{78} 10 29.6 87°.83 2°.7/31.1 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 46.39	+20 37.3	1.392	2.250	16.8	19.6
10 8	2 39.07	+20 47.4	1.342	2.267	12.5	19.4
10 18	2 29.10	+20 40.6	1.314	2.283	7.6	19.1
10 28	2 17.68	+20 18.2	1.311	2.300	3.2	18.9
11 7	2 6.37	+19 44.6	1.335	2.316	4.6	19.1
11 17	1 56.59	+19 6.8	1.386	2.333	9.1	19.4
11 27	1 49.47	+18 32.3	1.462	2.348	13.4	19.7
12 7	1 45.52	+18 7.3	1.558	2.364	17.0	19.9

16283 2545 P–L 10 29.6 22°.87 3°.2/31.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 42.25	+20 32.6	1.460	2.322	16.0	17.6
10 8	2 36.18	+21 6.8	1.404	2.329	12.0	17.4
10 18	2 27.58	+21 26.4	1.369	2.337	7.5	17.2
10 28	2 17.49	+21 31.2	1.360	2.347	3.6	17.0
11 7	2 7.31	+21 23.6	1.376	2.357	4.7	17.1
11 17	1 58.42	+21 8.6	1.420	2.367	8.8	17.3
11 27	1 51.92	+20 52.8	1.487	2.379	12.9	17.6
12 7	1 48.42	+20 42.1	1.576	2.391	16.4	17.9

373014 2011 DU_{10} 10 29.6 247°.96 5°.9/22.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 35.60	− 5 58.6	2.675	3.542	9.4	21.6
10 8	2 30.51	− 7 6.0	2.610	3.529	7.4	21.5
10 18	2 24.13	− 8 7.8	2.571	3.515	6.1	21.4
10 28	2 17.02	− 8 58.5	2.561	3.501	6.1	21.3
11 7	2 9.82	− 9 33.9	2.578	3.487	7.6	21.4
11 17	2 3.20	− 9 51.4	2.622	3.472	9.6	21.5
11 27	1 57.74	− 9 49.9	2.690	3.457	11.7	21.7
12 7	1 53.87	− 9 30.4	2.778	3.442	13.5	21.8

521720 2015 RQ_{267} 10 29.6 134°.12 0°.6/28.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 36.64	+14 30.2	2.354	3.216	10.6	21.8
10 8	2 31.33	+13 40.7	2.290	3.223	7.5	21.6
10 18	2 24.59	+12 43.3	2.251	3.229	4.1	21.4
10 28	2 17.08	+11 41.9	2.242	3.235	0.7	21.1
11 7	2 9.59	+10 41.2	2.263	3.241	3.4	21.4
11 17	2 2.85	+ 9 46.0	2.314	3.247	6.8	21.6
11 27	1 57.50	+ 9 0.6	2.391	3.253	9.9	21.8
12 7	1 53.97	+ 8 27.8	2.492	3.258	12.5	22.0

168476 1999 RM_{30} 10 29.6 79°.27 9°.8/21.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 28	2 39.33	+ 4 4.1	0.956	1.866	18.0	19.7
10 8	2 34.49	+ 0 6.6	0.920	1.871	13.3	19.5
10 18	2 26.71	− 3 54.3	0.907	1.877	10.1	19.3
10 28	2 17.38	− 7 32.8	0.919	1.882	10.8	19.4
11 7	2 8.22	−10 27.0	0.956	1.887	14.5	19.6
11 17	2 0.79	−12 25.4	1.014	1.892	18.9	19.9
11 27	1 56.22	−13 27.2	1.090	1.897	22.7	20.2
12 7	1 54.98	−13 40.1	1.178	1.903	25.8	20.4

15358 Kintner 10 29.6 214°.10 3°.1/26.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 38.14	+ 6 55.8	1.959	2.837	11.7	18.4
10 8	2 32.65	+ 6 4.4	1.895	2.836	8.3	18.2
10 18	2 25.42	+ 5 10.1	1.857	2.834	4.9	18.0
10 28	2 17.22	+ 4 18.2	1.847	2.832	3.1	17.9
11 7	2 8.96	+ 3 34.4	1.865	2.831	5.6	18.1
11 17	2 1.57	+ 3 3.1	1.911	2.829	9.1	18.3
11 27	1 55.81	+ 2 47.5	1.982	2.827	12.4	18.5
12 7	1 52.18	+ 2 48.5	2.074	2.824	15.1	18.7

26519 2000 CU_{70} 10 29.6 240°.09 0°.1/29.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 35.70	+15 53.4	2.399	3.259	10.5	18.7
10 8	2 30.72	+15 8.8	2.324	3.256	7.5	18.5
10 18	2 24.31	+14 15.2	2.275	3.252	4.1	18.3
10 28	2 17.07	+13 15.8	2.255	3.248	0.5	18.0
11 7	2 9.78	+12 15.4	2.265	3.245	3.1	18.2
11 17	2 3.18	+11 18.7	2.304	3.241	6.6	18.5
11 27	1 57.92	+10 30.4	2.371	3.237	9.8	18.7
12 7	1 54.45	+ 9 53.6	2.460	3.233	12.4	18.8

294441 2007 VB_{278} 10 29.6 161°.89 0°.9/30.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 38.75	+19 51.5	2.169	3.017	12.0	21.0
10 8	2 32.98	+19 2.4	2.099	3.022	8.7	20.8
10 18	2 25.56	+18 0.2	2.054	3.026	5.0	20.6
10 28	2 17.25	+16 48.2	2.038	3.030	1.3	20.3
11 7	2 8.93	+15 31.8	2.051	3.033	3.2	20.5
11 17	2 1.48	+14 17.2	2.095	3.035	6.9	20.7
11 27	1 55.63	+13 10.4	2.165	3.038	10.3	20.9
12 7	1 51.84	+12 16.0	2.260	3.040	13.2	21.2

365402 2009 WP_{253} 10 29.6 120°.61 3°.1/26.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 37.12	+ 4 32.3	2.357	3.231	10.2	20.5
10 8	2 31.68	+ 3 58.8	2.295	3.232	7.3	20.3
10 18	2 24.81	+ 3 25.4	2.259	3.233	4.4	20.1
10 28	2 17.15	+ 2 55.9	2.252	3.234	3.2	20.0
11 7	2 9.46	+ 2 34.2	2.274	3.235	5.1	20.2
11 17	2 2.49	+ 2 23.2	2.324	3.236	8.0	20.3
11 27	1 56.87	+ 2 24.8	2.400	3.237	10.8	20.5
12 7	1 53.05	+ 2 39.5	2.499	3.238	13.1	20.7

265967 2006 CQ_{65} 10 29.6 234°.74 1°.6/27.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 35.80	+10 3.1	2.606	3.474	9.5	21.2
10 8	2 30.70	+ 9 21.2	2.530	3.467	6.7	21.0
10 18	2 24.27	+ 8 35.0	2.481	3.459	3.7	20.8
10 28	2 17.08	+ 7 47.9	2.461	3.451	1.6	20.7
11 7	2 9.81	+ 7 4.0	2.471	3.442	3.8	20.8
11 17	2 3.14	+ 6 26.9	2.510	3.434	6.9	21.0
11 27	1 57.68	+ 6 0.0	2.576	3.425	9.7	21.2
12 7	1 53.86	+ 5 45.1	2.666	3.416	12.1	21.3

264858 2002 RH_{113} 10 29.6 76°.10 4°.5/ 2.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 40.31	+28 40.5	2.343	3.151	12.5	20.3
10 8	2 34.19	+29 2.5	2.273	3.158	9.9	20.1
10 18	2 26.29	+29 8.7	2.226	3.165	7.2	20.0
10 28	2 17.36	+28 58.7	2.206	3.173	4.9	19.8
11 7	2 8.34	+28 34.1	2.214	3.180	4.8	19.8
11 17	2 0.13	+27 58.8	2.250	3.187	6.8	20.0
11 27	1 53.57	+27 18.2	2.314	3.194	9.4	20.2
12 7	1 49.15	+26 38.1	2.403	3.201	11.9	20.4

425029 2009 FL_{74} 10 29.6 153°.22 2°.1/30.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 45.97	+19 51.3	1.555	2.409	15.6	21.7
10 8	2 38.73	+19 51.9	1.491	2.415	11.5	21.5
10 18	2 28.97	+19 37.3	1.451	2.421	6.9	21.2
10 28	2 17.73	+19 9.0	1.436	2.426	2.6	21.0
11 7	2 6.42	+18 31.2	1.449	2.431	4.2	21.1
11 17	1 56.40	+17 50.3	1.490	2.435	8.8	21.4
11 27	1 48.78	+17 13.5	1.557	2.438	13.1	21.7
12 7	1 44.15	+16 46.7	1.644	2.441	16.6	21.9

237560 2000 YD_{14} 10 29.6 319°.77 9°.9/22.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 39.95	− 8 50.5	1.508	2.386	14.6	19.6
10 8	2 34.37	−10 1.0	1.455	2.376	11.9	19.4
10 18	2 26.54	−10 58.3	1.424	2.367	10.1	19.3
10 28	2 17.40	−11 32.9	1.418	2.357	10.2	19.3
11 7	2 8.18	−11 38.6	1.435	2.348	12.1	19.4
11 17	2 0.07	−11 13.1	1.476	2.340	14.9	19.5
11 27	1 54.07	−10 18.1	1.537	2.332	17.8	19.7
12 7	1 50.75	− 8 58.2	1.615	2.324	20.3	19.9

129290 2005 SQ_{47} 10 29.6 343°.33 1°.9/30.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 28	2 36.67	+18 39.3	1.095	1.985	18.0	19.5
10 8	2 32.93	+18 35.8	1.029	1.971	13.3	19.2
10 18	2 26.14	+18 13.9	0.982	1.960	7.9	18.9
10 28	2 17.38	+17 36.0	0.957	1.949	2.5	18.5
11 7	2 8.27	+16 48.4	0.956	1.940	5.0	18.7
11 17	2 0.49	+15 59.9	0.978	1.932	10.8	19.0
11 27	1 55.46	+15 20.2	1.021	1.926	16.1	19.2
12 7	1 53.95	+14 56.0	1.083	1.922	20.6	19.5

155644 2000 GY_{48} 10 29.6 198°.36 0°.5/29.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 41.94	+16 57.9	1.847	2.706	13.3	21.3
10 8	2 35.57	+16 31.5	1.774	2.704	9.6	21.0
10 18	2 27.14	+15 53.3	1.726	2.701	5.4	20.8
10 28	2 17.50	+15 6.3	1.705	2.697	1.0	20.5
11 7	2 7.74	+14 15.5	1.712	2.693	3.7	20.7
11 17	1 58.95	+13 26.7	1.749	2.689	8.1	20.9
11 27	1 52.06	+12 46.0	1.811	2.684	12.0	21.2
12 7	1 47.64	+12 17.5	1.896	2.679	15.3	21.4

385676 2005 SR_{188} 10 29.6 308°.05 0°.8/29.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 38.75	+14 22.9	1.368	2.252	15.4	21.0
10 8	2 33.99	+13 45.7	1.289	2.232	11.2	20.7
10 18	2 26.58	+12 54.9	1.232	2.212	6.2	20.4
10 28	2 17.44	+11 55.4	1.199	2.192	1.0	20.0
11 7	2 7.92	+10 54.5	1.193	2.173	5.1	20.2
11 17	1 59.45	+10 0.5	1.212	2.155	10.6	20.5
11 27	1 53.27	+ 9 21.2	1.254	2.136	15.5	20.7
12 7	1 50.15	+ 9 1.3	1.315	2.119	19.6	20.9

121774 2000 AU_{24} 10 29.6 315°.76 0°.3/29.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 37.16	+16 4.1	1.880	2.748	12.6	19.8
10 8	2 32.27	+15 46.3	1.795	2.729	9.2	19.6
10 18	2 25.40	+15 18.1	1.733	2.710	5.2	19.3
10 28	2 17.27	+14 42.1	1.699	2.692	0.9	18.9
11 7	2 8.88	+14 2.6	1.692	2.674	3.7	19.1
11 17	2 1.26	+13 24.8	1.714	2.656	8.0	19.4
11 27	1 55.34	+12 54.1	1.760	2.639	11.9	19.6
12 7	1 51.74	+12 34.7	1.829	2.623	15.3	19.7

88399 2001 QG_{22} 10 29.6 45°.51 2°.4/30.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 42.95	+20 24.0	1.002	1.885	19.9	18.6
10 8	2 37.19	+20 13.2	0.962	1.900	14.6	18.3
10 18	2 28.25	+19 40.7	0.941	1.917	8.7	18.1
10 28	2 17.64	+18 50.1	0.943	1.934	3.1	17.8
11 7	2 7.23	+17 49.6	0.968	1.951	5.1	18.0
11 17	1 58.74	+16 49.8	1.017	1.969	10.7	18.4
11 27	1 53.39	+16 0.7	1.087	1.988	15.7	18.7
12 7	1 51.65	+15 28.6	1.176	2.007	19.8	19.1

446182 2013 FQ_{11} 10 29.6 320°.60 1°.3/30.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 39.45	+18 16.4	1.785	2.647	13.5	21.3
10 8	2 33.92	+18 11.1	1.711	2.640	9.9	21.0
10 18	2 26.29	+17 53.8	1.661	2.634	5.8	20.8
10 28	2 17.39	+17 26.3	1.637	2.628	1.8	20.5
11 7	2 8.31	+16 52.5	1.640	2.622	3.7	20.6
11 17	2 0.15	+16 17.7	1.672	2.617	8.0	20.9
11 27	1 53.88	+15 47.5	1.729	2.611	11.9	21.1
12 7	1 50.10	+15 26.7	1.808	2.606	15.3	21.3

227021 2004 XA_{168} 10 29.6 170°.29 1°.9/27.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 36.93	+ 8 9.9	2.715	3.582	9.2	20.7
10 8	2 31.41	+ 7 39.2	2.649	3.585	6.5	20.5
10 18	2 24.62	+ 7 6.1	2.610	3.587	3.7	20.3
10 28	2 17.15	+ 6 33.9	2.600	3.588	1.9	20.2
11 7	2 9.65	+ 6 5.7	2.620	3.590	3.8	20.3
11 17	2 2.77	+ 5 44.7	2.671	3.591	6.7	20.5
11 27	1 57.09	+ 5 33.1	2.748	3.592	9.3	20.7
12 7	1 53.01	+ 5 32.2	2.849	3.593	11.6	20.9

391982 2008 YK 10 29.6 0°.84 3°.1/27.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 41.09	+ 6 52.7	1.518	2.403	14.1	20.5
10 8	2 35.18	+ 6 33.3	1.459	2.402	10.1	20.3
10 18	2 26.99	+ 6 12.0	1.423	2.402	5.8	20.0
10 28	2 17.49	+ 5 53.7	1.413	2.402	3.1	19.9
11 7	2 7.91	+ 5 43.3	1.430	2.402	6.0	20.0
11 17	1 59.46	+ 5 44.7	1.473	2.403	10.3	20.3
11 27	1 53.15	+ 6 0.6	1.540	2.404	14.2	20.5
12 7	1 49.55	+ 6 31.3	1.627	2.405	17.6	20.8

217325 2004 RB_{43} 10 29.6 71°.74 4°.7/ 2.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 40.38	+28 46.5	2.076	2.890	13.7	20.0
10 8	2 34.38	+28 58.5	2.009	2.899	10.8	19.8
10 18	2 26.45	+28 52.4	1.965	2.908	7.7	19.6
10 28	2 17.41	+28 28.1	1.947	2.917	5.2	19.5
11 7	2 8.31	+27 48.2	1.957	2.925	5.0	19.5
11 17	2 0.17	+26 57.5	1.994	2.934	7.3	19.7
11 27	1 53.87	+26 2.9	2.059	2.943	10.2	19.9
12 7	1 49.91	+25 10.9	2.147	2.952	13.0	20.1

392270 2010 AJ_{50} 10 29.6 279°.10 3°.5/ 1.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 28	2 41.41	+24 42.1	1.758	2.597	14.7	21.3
10 8	2 35.68	+24 31.0	1.659	2.570	11.4	21.1
10 18	2 27.47	+24 0.3	1.582	2.543	7.5	20.8
10 28	2 17.59	+23 10.2	1.532	2.516	4.0	20.5
11 7	2 7.24	+22 4.0	1.509	2.488	4.5	20.5
11 17	1 57.71	+20 48.6	1.513	2.459	8.6	20.6
11 27	1 50.21	+19 33.1	1.544	2.430	12.8	20.8
12 7	1 45.53	+18 25.9	1.596	2.401	16.7	21.0

242832 2006 DJ_{36} 10 29.6 228°.85 2°.8/26.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 35.53	+ 6 6.6	2.665	3.537	9.2	20.9
10 8	2 30.48	+ 5 9.4	2.591	3.528	6.6	20.7
10 18	2 24.16	+ 4 10.1	2.545	3.519	3.9	20.5
10 28	2 17.10	+ 3 12.8	2.528	3.510	2.8	20.4
11 7	2 9.97	+ 2 22.1	2.540	3.501	4.7	20.6
11 17	2 3.42	+ 1 41.7	2.582	3.491	7.5	20.7
11 27	1 58.04	+ 1 14.4	2.651	3.480	10.1	20.9
12 7	1 54.25	+ 1 1.5	2.742	3.470	12.4	21.0

247091 2000 SX_{177} 10 29.6 137°.43 3°.1/31.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 43.40	+23 26.7	1.903	2.739	13.9	19.1
10 8	2 36.59	+23 31.4	1.837	2.747	10.5	18.9
10 18	2 27.69	+23 20.6	1.795	2.755	6.8	18.7
10 28	2 17.59	+22 54.7	1.779	2.763	3.6	18.5
11 7	2 7.45	+22 17.2	1.792	2.770	4.1	18.6
11 17	1 58.35	+21 33.4	1.834	2.777	7.5	18.8
11 27	1 51.25	+20 49.7	1.902	2.784	11.1	19.0
12 7	1 46.68	+20 12.2	1.994	2.790	14.1	19.2

262886 2007 CK_{7} 10 29.6 7°.31 1°.6/28.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 38.04	+10 52.4	1.671	2.552	13.3	20.4
10 8	2 32.85	+10 25.0	1.611	2.553	9.4	20.2
10 18	2 25.65	+ 9 51.5	1.574	2.554	5.1	19.9
10 28	2 17.31	+ 9 16.4	1.564	2.556	1.6	19.7
11 7	2 8.92	+ 8 44.9	1.581	2.558	4.8	19.9
11 17	2 1.52	+ 8 21.8	1.625	2.561	9.0	20.2
11 27	1 56.02	+ 8 11.2	1.694	2.564	12.8	20.4
12 7	1 52.95	+ 8 14.9	1.783	2.568	16.0	20.7

516033 2015 TV_{1} 10 29.6 117°.30 2°.1/31.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 40.31	+21 0.5	1.993	2.839	12.9	21.1
10 8	2 34.30	+20 55.0	1.925	2.843	9.6	20.9
10 18	2 26.40	+20 36.3	1.880	2.848	5.9	20.7
10 28	2 17.42	+20 5.9	1.864	2.852	2.5	20.5
11 7	2 8.37	+19 27.4	1.876	2.856	3.5	20.6
11 17	2 0.25	+18 45.7	1.916	2.860	7.2	20.8
11 27	1 53.91	+18 6.7	1.983	2.864	10.7	21.0
12 7	1 49.87	+17 35.1	2.073	2.868	13.7	21.3

232634 2003 UO_{225} 10 29.6 15°.27 1°.4/30.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 36.00	+20 45.6	2.085	2.937	12.2	20.4
10 8	2 31.14	+20 9.7	2.015	2.939	9.0	20.2
10 18	2 24.63	+19 20.1	1.970	2.941	5.4	20.0
10 28	2 17.18	+18 19.9	1.952	2.943	1.9	19.7
11 7	2 9.69	+17 13.8	1.963	2.945	3.2	19.8
11 17	2 3.04	+16 7.8	2.003	2.948	6.9	20.1
11 27	1 57.96	+15 7.9	2.069	2.951	10.3	20.3
12 7	1 54.94	+14 18.8	2.159	2.954	13.2	20.5

317286 2002 FH_{34} 10 29.6 190°.74 2°.4/27.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 42.09	+ 7 38.4	1.964	2.835	12.0	20.6
10 8	2 35.51	+ 7 14.1	1.897	2.834	8.6	20.3
10 18	2 27.05	+ 6 47.1	1.856	2.833	4.9	20.1
10 28	2 17.53	+ 6 21.5	1.843	2.832	2.5	20.0
11 7	2 7.93	+ 6 1.6	1.859	2.830	5.0	20.1
11 17	1 59.23	+ 5 50.9	1.903	2.827	8.7	20.3
11 27	1 52.28	+ 5 52.4	1.974	2.824	12.2	20.6
12 7	1 47.60	+ 6 7.0	2.066	2.821	15.1	20.8

109721 2001 RE_{54} 10 29.6 48°.92 0°.9/30.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 42.69	+16 37.8	1.400	2.272	15.9	19.2
10 8	2 36.51	+16 34.8	1.344	2.279	11.5	18.9
10 18	2 27.79	+16 19.3	1.310	2.287	6.6	18.7
10 28	2 17.64	+15 53.8	1.302	2.295	1.5	18.4
11 7	2 7.45	+15 23.4	1.320	2.303	4.3	18.6
11 17	1 58.61	+14 54.1	1.365	2.311	9.3	18.9
11 27	1 52.19	+14 32.3	1.433	2.319	13.7	19.2
12 7	1 48.77	+14 22.3	1.523	2.328	17.3	19.5

516720 2009 BB_{107} 10 29.6 252°.88 5°.8/24.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 38.36	− 0 34.6	1.983	2.861	11.6	21.8
10 8	2 32.89	− 1 51.3	1.914	2.848	8.7	21.6
10 18	2 25.64	− 3 5.8	1.871	2.834	6.4	21.4
10 28	2 17.34	− 4 10.8	1.856	2.820	6.0	21.4
11 7	2 8.91	− 5 0.0	1.868	2.805	8.1	21.5
11 17	2 1.26	− 5 28.8	1.907	2.790	11.1	21.6
11 27	1 55.21	− 5 35.3	1.970	2.775	14.0	21.8
12 7	1 51.28	− 5 20.2	2.051	2.760	16.5	22.0

202719 2007 HE_{27} 10 29.6 59°.56 0°.3/29.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 28	2 38.78	+15 34.1	2.095	2.956	11.8	20.8
10 8	2 33.00	+15 22.2	2.040	2.971	8.4	20.6
10 18	2 25.59	+15 2.1	2.011	2.986	4.7	20.4
10 28	2 17.33	+14 36.3	2.009	3.002	0.8	20.1
11 7	2 9.10	+14 8.6	2.036	3.017	3.2	20.4
11 17	2 1.77	+13 43.0	2.092	3.033	6.9	20.6
11 27	1 56.05	+13 23.3	2.175	3.048	10.2	20.9
12 7	1 52.40	+13 12.6	2.281	3.064	13.0	21.1

267144 2000 FF_{6} 10 29.6 172°.28 0°.6/30.0 18

9 28	2 42.96	+16 50.3	1.825	2.683	13.4	21.2
10 8	2 36.30	+16 34.0	1.757	2.685	9.7	21.0
10 18	2 27.55	+16 6.5	1.713	2.688	5.5	20.8
10 28	2 17.61	+15 30.5	1.697	2.689	1.1	20.5
11 7	2 7.59	+14 50.4	1.709	2.691	3.7	20.7
11 17	1 58.58	+14 11.6	1.750	2.691	8.0	20.9
11 27	1 51.54	+13 39.7	1.818	2.691	11.9	21.2
12 7	1 47.01	+13 18.8	1.907	2.691	15.1	21.4

421767 2014 PF_{70} 10 29.6 16°.23 7°.9/22.8 18

9 28	2 35.37	− 5 9.9	1.722	2.608	12.7	20.0
10 8	2 30.78	− 6 36.4	1.682	2.612	10.0	19.9
10 18	2 24.45	− 7 53.8	1.666	2.617	8.1	19.8
10 28	2 17.18	− 8 53.9	1.676	2.623	8.2	19.8
11 7	2 9.95	− 9 30.7	1.710	2.629	10.0	19.9
11 17	2 3.70	− 9 41.2	1.769	2.636	12.6	20.1
11 27	1 59.17	− 9 25.6	1.850	2.644	15.2	20.3
12 7	1 56.82	− 8 46.9	1.948	2.652	17.4	20.5

298132 2002 RZ_{263} 10 29.6 323°.01 5°.8/ 2.7 18

9 28	2 41.05	+28 58.1	1.683	2.508	15.9	20.4
10 8	2 35.45	+29 24.3	1.605	2.500	12.7	20.2
10 18	2 27.33	+29 29.7	1.548	2.493	9.3	19.9
10 28	2 17.61	+29 12.5	1.516	2.485	6.4	19.8
11 7	2 7.58	+28 34.5	1.510	2.478	6.2	19.7
11 17	1 58.59	+27 41.3	1.530	2.472	8.9	19.9
11 27	1 51.83	+26 41.5	1.575	2.466	12.4	20.1
12 7	1 47.99	+25 43.8	1.642	2.460	15.7	20.3

248000 2004 DX_{59} 10 29.6 110°.70 1°.5/30.8 18

9 28	2 40.14	+19 34.9	1.968	2.820	12.9	20.7
10 8	2 34.16	+19 21.8	1.903	2.826	9.5	20.5
10 18	2 26.33	+18 56.4	1.862	2.833	5.6	20.3
10 28	2 17.45	+18 20.6	1.848	2.839	1.9	20.0
11 7	2 8.53	+17 38.5	1.863	2.845	3.4	20.2
11 17	2 0.55	+16 55.4	1.907	2.851	7.2	20.4
11 27	1 54.36	+16 16.7	1.977	2.857	10.8	20.6
12 7	1 50.44	+15 46.9	2.070	2.862	13.8	20.9

324228 2006 BR_{100} 10 29.6 181°.33 6°.5/23.2 18

9 28	2 37.57	− 7 41.5	2.455	3.318	10.2	20.6
10 8	2 31.95	− 8 34.7	2.404	3.318	8.2	20.5
10 18	2 24.97	− 9 19.5	2.379	3.319	6.8	20.4
10 28	2 17.25	− 9 50.7	2.381	3.319	6.7	20.4
11 7	2 9.54	−10 4.6	2.411	3.318	8.1	20.5
11 17	2 2.55	− 9 59.6	2.467	3.318	10.1	20.6
11 27	1 56.89	− 9 35.5	2.547	3.317	12.2	20.8
12 7	1 52.96	− 8 54.4	2.647	3.317	14.0	20.9

210597 1999 XQ_{240} 10 29.6 328°.41 6°.9/26.5 18

9 28	2 42.81	− 2 7.9	1.347	2.234	15.4	19.1
10 8	2 36.89	− 2 20.1	1.275	2.213	11.7	18.9
10 18	2 28.21	− 2 23.1	1.225	2.193	8.3	18.6
10 28	2 17.75	− 2 9.9	1.199	2.173	7.0	18.5
11 7	2 6.90	− 1 35.8	1.199	2.155	9.3	18.6
11 17	1 57.15	− 0 38.9	1.223	2.137	13.4	18.8
11 27	1 49.79	+ 0 39.7	1.270	2.121	17.5	19.0
12 7	1 45.58	+ 2 16.4	1.334	2.105	21.1	19.2

29009 4074 $P–L$ 10 29.6 128°.39 0°.1/29.7 18

9 28	2 42.53	+16 13.3	1.764	2.626	13.6	19.0
10 8	2 35.92	+15 41.8	1.706	2.638	9.8	18.8
10 18	2 27.29	+14 59.1	1.673	2.649	5.4	18.6
10 28	2 17.59	+14 9.0	1.667	2.660	0.8	18.3
11 7	2 7.93	+13 17.0	1.690	2.671	3.8	18.5
11 17	1 59.40	+12 29.1	1.741	2.681	8.2	18.8
11 27	1 52.86	+11 50.8	1.818	2.690	12.0	19.1
12 7	1 48.82	+11 25.8	1.918	2.699	15.1	19.3

74149 1998 QE_{88} 10 29.6 351°.53 9°.2/ 5.2 18

9 28	2 42.92	+36 27.4	1.635	2.424	17.9	18.1
10 8	2 37.08	+37 21.3	1.562	2.421	15.1	17.9
10 18	2 28.35	+37 48.9	1.509	2.418	12.2	17.7
10 28	2 17.77	+37 45.7	1.478	2.416	9.9	17.6
11 7	2 6.84	+37 11.7	1.471	2.415	9.2	17.6
11 17	1 57.14	+36 12.1	1.489	2.414	10.6	17.6
11 27	1 50.00	+34 56.8	1.531	2.413	13.2	17.8
12 7	1 46.19	+33 37.1	1.595	2.413	16.1	18.0

227069 2005 GK_{180} 10 29.6 197°.13 14°.1/24.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 28	2 54.82	−17 58.2	1.268	2.112	19.0	20.4
10 8	2 45.26	−18 37.7	1.223	2.111	16.4	20.2
10 18	2 32.62	−18 48.5	1.198	2.110	14.5	20.1
10 28	2 18.33	−18 20.1	1.196	2.108	14.3	20.1
11 7	2 4.21	−17 8.9	1.217	2.106	15.7	20.2
11 17	1 51.97	−15 18.4	1.261	2.104	18.3	20.4
11 27	1 42.85	−12 56.9	1.326	2.101	21.1	20.6
12 7	1 37.37	−10 15.1	1.407	2.097	23.6	20.8

405845 2006 BJ_{230} 10 29.6 14°.25 5°.7/25.1 18

9 28	2 37.20	− 0 44.7	1.861	2.744	12.0	20.2
10 8	2 32.03	− 1 37.6	1.810	2.746	9.0	20.0
10 18	2 25.14	− 2 25.9	1.783	2.749	6.4	19.8
10 28	2 17.31	− 3 3.3	1.784	2.752	5.8	19.8
11 7	2 9.50	− 3 24.9	1.811	2.755	7.7	19.9
11 17	2 2.59	− 3 27.7	1.864	2.759	10.6	20.1
11 27	1 57.35	− 3 10.9	1.941	2.763	13.5	20.3
12 7	1 54.24	− 2 35.7	2.037	2.768	16.0	20.5

128119 2003 QF_{34} 10 29.6 28°.88 1°.0/28.7 18

9 28	2 36.99	+12 42.0	2.121	2.991	11.3	20.1
10 8	2 31.79	+12 6.5	2.056	2.993	8.0	19.9
10 18	2 25.00	+11 24.2	2.015	2.994	4.4	19.7
10 28	2 17.30	+10 38.8	2.003	2.996	1.0	19.4
11 7	2 9.56	+ 9 55.0	2.020	2.997	3.8	19.7
11 17	2 2.62	+ 9 17.3	2.065	2.999	7.5	19.9
11 27	1 57.19	+ 8 49.7	2.136	3.000	10.8	20.1
12 7	1 53.74	+ 8 34.6	2.230	3.002	13.6	20.3

37285 2000 YJ_{78} 10 29.6 97°.80 2°.1/28.3 18

9 28	2 44.60	+10 24.0	1.427	2.306	15.2	18.4
10 8	2 37.63	+ 9 50.7	1.381	2.322	10.8	18.2
10 18	2 28.31	+ 9 11.2	1.358	2.337	5.9	18.0
10 28	2 17.77	+ 8 31.0	1.361	2.353	2.1	17.8
11 7	2 7.38	+ 7 56.3	1.392	2.368	5.5	18.0
11 17	1 58.40	+ 7 32.5	1.449	2.382	10.1	18.3
11 27	1 51.81	+ 7 23.4	1.530	2.397	14.2	18.6
12 7	1 48.09	+ 7 30.6	1.632	2.410	17.5	18.9

310686 2002 GQ_{105} 10 29.6 138°.86 2°.8/26.6 18

9 28	2 37.63	+ 4 24.3	2.850	3.717	8.8	21.3
10 8	2 31.81	+ 3 45.6	2.797	3.730	6.3	21.2
10 18	2 24.85	+ 3 7.1	2.770	3.743	3.9	21.0
10 28	2 17.29	+ 2 32.3	2.774	3.755	2.8	21.0
11 7	2 9.77	+ 2 4.4	2.808	3.766	4.5	21.1
11 17	2 2.89	+ 1 45.9	2.871	3.777	6.9	21.3
11 27	1 57.17	+ 1 38.6	2.962	3.787	9.3	21.5
12 7	1 52.99	+ 1 43.0	3.076	3.797	11.3	21.6

273777 2007 EF_{202} 10 29.6 218°.71 0°.5/29.9 18

9 28	2 42.44	+16 44.4	1.855	2.714	13.2	21.3
10 8	2 36.02	+16 25.2	1.778	2.707	9.6	21.0
10 18	2 27.49	+15 54.8	1.725	2.700	5.5	20.8
10 28	2 17.68	+15 15.6	1.699	2.692	1.1	20.5
11 7	2 7.68	+14 32.1	1.702	2.683	3.7	20.6
11 17	1 58.61	+13 50.0	1.734	2.674	8.1	20.9
11 27	1 51.43	+13 14.9	1.792	2.665	12.1	21.1
12 7	1 46.74	+12 51.2	1.872	2.655	15.4	21.3

354642 2005 GG_{102} 10 29.6 320°.27 2°.8/28.2 18

9 28	2 42.95	+ 6 28.8	1.518	2.400	14.3	20.0
10 8	2 36.77	+ 6 32.8	1.443	2.385	10.3	19.7
10 18	2 28.08	+ 6 36.6	1.392	2.370	5.9	19.5
10 28	2 17.78	+ 6 43.8	1.366	2.356	2.8	19.2
11 7	2 7.14	+ 6 58.0	1.368	2.342	5.8	19.4
11 17	1 57.51	+ 7 22.2	1.396	2.329	10.4	19.6
11 27	1 50.06	+ 7 58.5	1.448	2.316	14.7	19.9
12 7	1 45.50	+ 8 47.4	1.521	2.304	18.4	20.1

217040 2001 QT_{102} 10 29.6 100°.95 19°.0/15.7 17

9 28	2 44.54	−23 4.4	1.091	1.944	20.8	19.5
10 8	2 37.99	−25 56.3	1.086	1.956	19.4	19.4
10 18	2 28.58	−28 6.5	1.099	1.969	19.0	19.4
10 28	2 17.81	−29 21.6	1.131	1.981	19.8	19.5
11 7	2 7.44	−29 37.2	1.180	1.993	21.3	19.7
11 17	1 59.01	−28 57.4	1.244	2.004	23.1	19.9
11 27	1 53.53	−27 31.6	1.321	2.015	24.8	20.1
12 7	1 51.40	−25 31.4	1.409	2.026	26.3	20.3

96225 1993 TP_{18} 10 29.6 47°.39 0°.9/28.9 18

9 28	2 37.96	+12 53.5	1.877	2.750	12.4	19.2
10 8	2 32.56	+12 22.4	1.825	2.763	8.8	19.0
10 18	2 25.43	+11 44.2	1.797	2.776	4.7	18.8
10 28	2 17.39	+11 3.0	1.797	2.790	1.0	18.6
11 7	2 9.40	+10 23.6	1.826	2.804	4.0	18.8
11 17	2 2.38	+ 9 50.8	1.882	2.819	7.9	19.1
11 27	1 57.08	+ 9 28.5	1.964	2.833	11.4	19.3
12 7	1 53.95	+ 9 19.0	2.068	2.848	14.2	19.6

22625 Kanipe 10 29.6 256°.59 2°.3/31.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 28	2 41.62	+21 58.2	1.552	2.407	15.6	18.6
10 8	2 35.88	+21 32.7	1.472	2.395	11.7	18.3
10 18	2 27.59	+20 47.9	1.414	2.384	7.2	18.1
10 28	2 17.73	+19 45.7	1.383	2.372	2.9	17.8
11 7	2 7.59	+18 31.9	1.378	2.360	4.3	17.8
11 17	1 58.54	+17 14.7	1.400	2.347	9.0	18.1
11 27	1 51.74	+16 3.6	1.448	2.335	13.5	18.3
12 7	1 47.88	+15 6.0	1.516	2.322	17.4	18.5

449853 2015 KF_{37} 10 29.6 86°.09 1°.4/30.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 41.35	+19 42.0	1.778	2.632	13.9	21.1
10 8	2 35.06	+19 16.1	1.726	2.651	10.1	21.0
10 18	2 26.83	+18 36.4	1.698	2.670	5.9	20.7
10 28	2 17.59	+17 46.0	1.697	2.688	1.9	20.5
11 7	2 8.47	+16 50.3	1.724	2.706	3.6	20.7
11 17	2 0.49	+15 55.6	1.780	2.724	7.6	21.0
11 27	1 54.50	+15 7.9	1.862	2.742	11.3	21.2
12 7	1 50.94	+14 31.9	1.966	2.759	14.4	21.5

344212 2001 RL_9 10 29.6 45°.58 13°.5/10.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 43.64	+45 20.5	1.014	1.799	26.7	19.6
10 8	2 38.72	+45 30.3	0.960	1.806	23.3	19.4
10 18	2 29.56	+44 47.4	0.919	1.815	19.4	19.2
10 28	2 17.99	+43 4.4	0.894	1.824	15.8	19.0
11 7	2 6.57	+40 25.5	0.889	1.833	13.6	18.9
11 17	1 57.65	+37 7.1	0.907	1.843	14.2	19.0
11 27	1 52.76	+33 34.3	0.946	1.853	16.9	19.2
12 7	1 52.30	+30 11.5	1.006	1.863	20.4	19.5

246739 2009 BH_{74} 10 29.6 29°.61 4°.4/26.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 39.24	+ 4 10.1	1.637	2.523	13.2	20.3
10 8	2 33.70	+ 3 20.8	1.584	2.526	9.5	20.0
10 18	2 26.15	+ 2 31.7	1.555	2.530	5.9	19.8
10 28	2 17.51	+ 1 49.1	1.552	2.533	4.5	19.8
11 7	2 8.86	+ 1 18.9	1.576	2.537	6.9	19.9
11 17	2 1.27	+ 1 5.4	1.626	2.541	10.6	20.2
11 27	1 55.61	+ 1 10.5	1.700	2.545	14.0	20.4
12 7	1 52.38	+ 1 34.0	1.793	2.550	17.0	20.6

128133 2003 QT_{46} 10 29.6 329°.54 4°.3/26.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 38.23	+ 1 57.2	2.068	2.946	11.2	19.3
10 8	2 32.71	+ 1 22.2	2.006	2.942	8.2	19.1
10 18	2 25.53	+ 0 49.2	1.968	2.939	5.4	19.0
10 28	2 17.43	+ 0 23.2	1.959	2.936	4.3	18.9
11 7	2 9.26	+ 0 8.3	1.978	2.933	6.3	19.0
11 17	2 1.89	+ 0 7.4	2.024	2.930	9.3	19.2
11 27	1 56.07	+ 0 22.0	2.095	2.928	12.3	19.4
12 7	1 52.27	+ 0 51.8	2.187	2.925	14.8	19.6

180956 2005 MV_{31} 10 29.6 72°.36 0°.5/29.3 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 44.22	+14 8.6	1.371	2.247	15.9	20.3
10 8	2 37.39	+13 43.7	1.330	2.269	11.3	20.1
10 18	2 28.18	+13 8.5	1.312	2.291	6.1	19.9
10 28	2 17.78	+12 27.7	1.319	2.312	0.9	19.6
11 7	2 7.60	+11 47.6	1.353	2.334	4.7	19.9
11 17	1 58.93	+11 14.5	1.414	2.355	9.5	20.2
11 27	1 52.73	+10 53.5	1.499	2.377	13.7	20.5
12 7	1 49.46	+10 47.4	1.604	2.398	17.1	20.8

82351 2001 MS_1 10 29.6 25°.15 0°.0/29.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 36.35	+18 26.5	1.646	2.516	14.1	19.0
10 8	2 31.70	+17 8.5	1.585	2.520	10.1	18.8
10 18	2 25.07	+15 34.3	1.547	2.525	5.6	18.5
10 28	2 17.36	+13 50.2	1.536	2.530	0.8	18.2
11 7	2 9.69	+12 5.0	1.554	2.535	4.1	18.4
11 17	2 3.07	+10 27.7	1.600	2.541	8.6	18.7
11 27	1 58.37	+ 9 6.3	1.670	2.547	12.6	19.0
12 7	1 56.05	+ 8 5.3	1.763	2.554	15.9	19.2

443799 1995 UB_{19} 10 29.6 48°.25 1°.7/28.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 38.18	+11 8.1	1.800	2.678	12.7	21.0
10 8	2 32.80	+10 28.9	1.747	2.687	8.9	20.8
10 18	2 25.61	+ 9 43.8	1.718	2.697	4.9	20.5
10 28	2 17.44	+ 8 57.3	1.716	2.707	1.7	20.3
11 7	2 9.31	+ 8 14.9	1.742	2.717	4.6	20.6
11 17	2 2.17	+ 7 41.5	1.795	2.728	8.5	20.8
11 27	1 56.81	+ 7 21.1	1.874	2.739	12.0	21.1
12 7	1 53.69	+ 7 15.3	1.974	2.750	15.0	21.3

512158 2015 QG_{10} 10 29.6 146°.44 2°.1/31.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 41.43	+22 22.9	2.250	3.084	12.1	22.0
10 8	2 34.92	+22 4.4	2.183	3.094	9.0	21.9
10 18	2 26.72	+21 32.5	2.140	3.104	5.6	21.7
10 28	2 17.61	+20 48.8	2.126	3.113	2.5	21.5
11 7	2 8.49	+19 57.2	2.142	3.122	3.3	21.5
11 17	2 0.27	+19 2.7	2.188	3.130	6.5	21.8
11 27	1 53.69	+18 11.0	2.261	3.137	9.8	22.0
12 7	1 49.23	+17 26.9	2.358	3.144	12.5	22.2

411944 2012 GY_{29} 10 29.6 137°.66 0°.4/29.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 39.11	+15 36.1	2.420	3.274	10.7	21.3
10 8	2 33.20	+15 31.7	2.350	3.278	7.7	21.1
10 18	2 25.77	+15 20.2	2.306	3.281	4.3	20.9
10 28	2 17.48	+15 3.3	2.291	3.284	0.8	20.6
11 7	2 9.12	+14 43.9	2.306	3.287	2.9	20.8
11 17	2 1.48	+14 25.1	2.350	3.290	6.4	21.0
11 27	1 55.25	+14 10.6	2.422	3.292	9.4	21.2
12 7	1 50.90	+14 3.1	2.518	3.295	12.1	21.4

108548 2001 LE_{11} 10 29.6 137°.92 1°.3/30.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 39.67	+20 45.3	2.269	3.111	11.7	20.2
10 8	2 33.61	+20 7.5	2.204	3.122	8.6	20.0
10 18	2 25.97	+19 17.0	2.164	3.133	5.1	19.8
10 28	2 17.50	+18 16.6	2.153	3.144	1.7	19.6
11 7	2 9.06	+17 11.1	2.172	3.154	3.0	19.7
11 17	2 1.49	+16 5.8	2.221	3.163	6.5	19.9
11 27	1 55.50	+15 6.3	2.298	3.172	9.7	20.1
12 7	1 51.51	+14 17.0	2.399	3.180	12.5	20.4

170595 2003 YT_{14} 10 29.6 216°.74 4°.1/26.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 41.49	+ 1 38.9	2.227	3.096	10.9	20.3
10 8	2 34.96	+ 1 9.1	2.157	3.089	8.0	20.1
10 18	2 26.77	+ 0 41.4	2.113	3.082	5.2	19.9
10 28	2 17.62	+ 0 20.3	2.098	3.074	4.1	19.8
11 7	2 8.38	+ 0 9.5	2.112	3.066	6.0	19.9
11 17	1 59.89	+ 0 11.8	2.155	3.057	9.0	20.1
11 27	1 52.92	+ 0 28.5	2.223	3.048	11.9	20.3
12 7	1 47.98	+ 0 59.5	2.314	3.039	14.4	20.4

3714 Kenrussell 10 29.6 348°.61 1°.7/30.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 45.46	+14 39.5	1.267	2.145	16.9	15.8
10 8	2 39.09	+15 40.1	1.200	2.137	12.4	15.5
10 18	2 29.60	+16 34.2	1.153	2.130	7.3	15.2
10 28	2 18.06	+17 20.4	1.132	2.124	2.2	14.9
11 7	2 6.09	+17 58.8	1.137	2.119	4.9	15.0
11 17	1 55.37	+18 31.5	1.167	2.115	10.2	15.3
11 27	1 47.39	+19 2.8	1.221	2.112	15.1	15.6
12 7	1 42.96	+19 37.2	1.294	2.111	19.2	15.9

331760 2002 XR_{24} 10 29.6 348°.21 0°.2/29.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 38.79	+15 17.3	1.116	2.009	17.5	20.3
10 8	2 34.37	+15 9.7	1.055	2.001	12.7	20.0
10 18	2 26.96	+14 48.6	1.013	1.994	7.2	19.7
10 28	2 17.68	+14 17.5	0.995	1.988	1.1	19.2
11 7	2 8.14	+13 42.9	1.000	1.983	5.1	19.5
11 17	1 59.96	+13 12.3	1.029	1.979	10.9	19.8
11 27	1 54.51	+12 53.2	1.079	1.977	16.1	20.1
12 7	1 52.49	+12 50.2	1.148	1.976	20.4	20.4

34909 3534 P–L 10 29.6 83°.49 9°.6/ 5.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 51.70	+38 55.8	1.980	2.726	16.5	18.8
10 8	2 43.21	+40 28.1	1.914	2.738	14.2	18.7
10 18	2 31.75	+41 36.8	1.871	2.749	11.9	18.6
10 28	2 18.36	+42 16.0	1.851	2.761	10.1	18.5
11 7	2 4.55	+42 23.7	1.857	2.773	9.6	18.5
11 17	1 51.93	+42 3.3	1.890	2.784	10.6	18.6
11 27	1 41.86	+41 22.5	1.947	2.796	12.4	18.7
12 7	1 35.15	+40 31.7	2.027	2.807	14.5	18.9

321554 2009 SN_{321} 10 29.6 127°.88 2°.3/27.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 36.48	+ 8 19.7	2.423	3.295	10.0	21.4
10 8	2 31.22	+ 7 26.7	2.365	3.303	7.1	21.2
10 18	2 24.63	+ 6 30.6	2.333	3.310	4.0	21.0
10 28	2 17.32	+ 5 35.7	2.330	3.317	2.3	20.9
11 7	2 10.03	+ 4 46.6	2.357	3.324	4.4	21.1
11 17	2 3.44	+ 4 7.3	2.413	3.331	7.4	21.3
11 27	1 58.18	+ 3 40.6	2.495	3.338	10.2	21.5
12 7	1 54.64	+ 3 27.8	2.600	3.344	12.6	21.6

1893 Jakoba 10 29.6 82°.05 3°.0/27.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 41.74	+ 6 12.2	1.801	2.678	12.7	16.0
10 8	2 35.36	+ 5 52.3	1.744	2.683	9.1	15.8
10 18	2 27.04	+ 5 31.4	1.712	2.689	5.2	15.5
10 28	2 17.67	+ 5 13.8	1.707	2.695	3.0	15.4
11 7	2 8.28	+ 5 3.7	1.731	2.700	5.5	15.6
11 17	1 59.91	+ 5 4.2	1.782	2.706	9.2	15.8
11 27	1 53.41	+ 5 17.6	1.858	2.712	12.7	16.1
12 7	1 49.28	+ 5 44.2	1.956	2.717	15.6	16.3

377042 2002 TR_{14} 10 29.6 28°.26 1°.3/28.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 40.52	+12 26.6	0.987	1.888	18.5	20.3
10 8	2 35.42	+12 7.8	0.951	1.902	13.1	20.1
10 18	2 27.34	+11 38.9	0.934	1.916	7.1	19.8
10 28	2 17.71	+11 5.8	0.940	1.933	1.4	19.5
11 7	2 8.26	+10 36.1	0.969	1.950	5.8	19.8
11 17	2 0.58	+10 16.8	1.021	1.969	11.4	20.2
11 27	1 55.83	+10 12.9	1.094	1.988	16.3	20.6
12 7	1 54.46	+10 26.2	1.186	2.009	20.2	20.9

136322 2004 BP_{80} 10 29.6 43°.47 4°.1/ 1.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 28	2 40.93	+25 54.5	1.775	2.609	14.8	20.1
10 8	2 35.09	+26 1.5	1.707	2.613	11.5	19.9
10 18	2 27.03	+25 50.1	1.661	2.616	7.8	19.6
10 28	2 17.68	+25 20.5	1.641	2.620	4.7	19.5
11 7	2 8.22	+24 36.0	1.648	2.624	4.8	19.5
11 17	1 59.83	+23 42.5	1.683	2.628	7.9	19.7
11 27	1 53.48	+22 47.7	1.743	2.632	11.5	19.9
12 7	1 49.77	+21 58.5	1.827	2.637	14.7	20.1

32881 1993 OK_6 10 29.6 32°.74 4°.2/27.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 40.31	+ 6 30.3	1.190	2.088	16.2	17.9
10 8	2 34.91	+ 5 43.7	1.150	2.099	11.6	17.6
10 18	2 26.96	+ 4 55.3	1.131	2.110	6.8	17.4
10 28	2 17.67	+ 4 12.7	1.136	2.123	4.2	17.3
11 7	2 8.52	+ 3 43.2	1.166	2.136	7.4	17.5
11 17	2 0.84	+ 3 32.0	1.220	2.150	11.9	17.8
11 27	1 55.68	+ 3 41.4	1.296	2.164	16.1	18.1
12 7	1 53.52	+ 4 10.6	1.390	2.179	19.5	18.4

147513 2004 DW_{16} 10 29.6 287°.03 2°.5/27.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 40.33	+10 36.4	1.426	2.311	14.8	20.1
10 8	2 34.91	+ 9 43.7	1.359	2.304	10.6	19.8
10 18	2 27.04	+ 8 42.4	1.316	2.296	5.9	19.6
10 28	2 17.71	+ 7 38.9	1.298	2.289	2.5	19.3
11 7	2 8.21	+ 6 41.2	1.307	2.282	6.0	19.5
11 17	1 59.84	+ 5 56.5	1.342	2.274	10.8	19.8
11 27	1 53.71	+ 5 30.3	1.399	2.267	15.2	20.0
12 7	1 50.43	+ 5 24.9	1.477	2.260	18.8	20.3

441932 2010 JZ_{43} 10 29.6 165°.94 2°.2/27.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 39.59	+ 9 22.2	2.094	2.965	11.4	22.4
10 8	2 33.65	+ 8 34.0	2.032	2.969	8.1	22.2
10 18	2 26.06	+ 7 41.2	1.995	2.972	4.5	22.0
10 28	2 17.56	+ 6 48.5	1.986	2.975	2.2	21.8
11 7	2 9.04	+ 6 1.0	2.007	2.978	4.7	22.0
11 17	2 1.37	+ 5 23.3	2.057	2.980	8.2	22.2
11 27	1 55.29	+ 4 58.9	2.132	2.981	11.4	22.4
12 7	1 51.26	+ 4 49.4	2.230	2.982	14.2	22.6

330216 2006 GB_{38} 10 29.6 218°.99 6°.7/22.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 39.95	−12 10.5	2.913	3.755	9.4	21.0
10 8	2 33.54	−12 45.2	2.853	3.747	7.8	20.9
10 18	2 25.88	−13 9.9	2.820	3.738	6.8	20.8
10 28	2 17.54	−13 20.3	2.814	3.730	6.8	20.8
11 7	2 9.17	−13 13.8	2.837	3.721	7.9	20.9
11 17	2 1.42	−12 49.4	2.886	3.711	9.6	21.0
11 27	1 54.86	−12 7.6	2.960	3.701	11.3	21.1
12 7	1 49.90	−11 10.6	3.055	3.691	12.9	21.2

328647 2009 SZ_{235} 10 29.6 52°.27 2°.8/28.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 44.70	+ 8 0.8	1.220	2.109	16.6	20.1
10 8	2 37.98	+ 7 46.2	1.180	2.125	11.8	19.9
10 18	2 28.64	+ 7 28.7	1.161	2.141	6.6	19.7
10 28	2 17.92	+ 7 13.4	1.167	2.158	2.9	19.5
11 7	2 7.39	+ 7 5.6	1.199	2.175	6.2	19.8
11 17	1 58.46	+ 7 9.6	1.256	2.192	11.0	20.1
11 27	1 52.19	+ 7 27.8	1.336	2.209	15.4	20.4
12 7	1 49.08	+ 8 0.7	1.435	2.227	18.9	20.7

236762 2007 NT_5 10 29.6 73°.99 2°.0/28.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 46.36	+ 7 59.0	1.594	2.467	14.2	19.6
10 8	2 38.76	+ 8 6.4	1.546	2.483	10.1	19.4
10 18	2 28.95	+ 8 11.7	1.521	2.499	5.6	19.2
10 28	2 17.97	+ 8 18.0	1.524	2.516	2.0	19.0
11 7	2 7.10	+ 8 28.2	1.556	2.532	5.0	19.2
11 17	1 57.52	+ 8 45.2	1.615	2.548	9.3	19.5
11 27	1 50.18	+ 9 10.9	1.700	2.564	13.1	19.8
12 7	1 45.59	+ 9 46.3	1.805	2.579	16.2	20.0

234697 2002 GJ_{134} 10 29.6 10°.96 1°.9/28.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 36.23	+14 25.5	1.388	2.275	15.1	19.0
10 8	2 31.89	+12 52.6	1.331	2.277	10.7	18.8
10 18	2 25.30	+11 5.3	1.297	2.278	5.7	18.5
10 28	2 17.47	+ 9 12.3	1.289	2.281	1.9	18.3
11 7	2 9.63	+ 7 24.6	1.308	2.284	5.6	18.5
11 17	2 2.99	+ 5 52.3	1.353	2.288	10.5	18.8
11 27	1 58.48	+ 4 43.0	1.421	2.292	14.8	19.1
12 7	1 56.63	+ 3 59.5	1.509	2.297	18.3	19.3

320008 2007 DQ_{38} 10 29.6 53°.87 3°.1/31.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 41.75	+22 39.5	1.954	2.793	13.4	20.0
10 8	2 35.39	+22 59.7	1.896	2.808	10.1	19.8
10 18	2 27.10	+23 6.0	1.862	2.823	6.6	19.6
10 28	2 17.72	+22 59.0	1.855	2.839	3.5	19.4
11 7	2 8.33	+22 40.9	1.876	2.854	4.0	19.5
11 17	1 59.94	+22 16.3	1.926	2.870	7.2	19.7
11 27	1 53.43	+21 50.4	2.002	2.885	10.5	20.0
12 7	1 49.31	+21 28.5	2.101	2.901	13.4	20.2

125242 2001 UC_{174} 10 29.6 115°.23 2°.1/28.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 28	2 43.35	+ 9 26.1	1.672	2.546	13.6	20.2
10 8	2 36.60	+ 9 1.0	1.618	2.557	9.7	20.0
10 18	2 27.78	+ 8 31.4	1.588	2.567	5.3	19.8
10 28	2 17.82	+ 8 1.9	1.586	2.576	2.1	19.6
11 7	2 7.90	+ 7 37.2	1.611	2.586	5.0	19.8
11 17	1 59.13	+ 7 21.8	1.665	2.595	9.2	20.1
11 27	1 52.41	+ 7 19.0	1.743	2.604	13.0	20.3
12 7	1 48.26	+ 7 30.2	1.842	2.613	16.1	20.6

86509 2000 DJ_{47} 10 29.6 264°.14 1°.0/28.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 41.29	+13 38.7	1.631	2.504	14.0	20.5
10 8	2 35.52	+13 0.3	1.550	2.488	10.1	20.2
10 18	2 27.40	+12 10.9	1.492	2.471	5.6	19.9
10 28	2 17.79	+11 15.0	1.461	2.454	1.1	19.5
11 7	2 7.88	+10 18.7	1.458	2.437	4.7	19.8
11 17	1 58.91	+ 9 29.0	1.482	2.419	9.5	20.0
11 27	1 51.98	+ 8 52.2	1.531	2.402	13.9	20.2
12 7	1 47.75	+ 8 32.3	1.601	2.384	17.6	20.4

511375 2014 FP_{67} 10 29.6 247°.89 4°.6/26.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 40.45	+ 2 50.7	1.876	2.754	12.2	21.2
10 8	2 34.53	+ 1 59.7	1.806	2.743	8.9	21.0
10 18	2 26.68	+ 1 8.9	1.760	2.732	5.8	20.8
10 28	2 17.69	+ 0 24.5	1.742	2.720	4.7	20.7
11 7	2 8.54	− 0 7.8	1.753	2.708	6.9	20.8
11 17	2 0.24	− 0 23.9	1.790	2.696	10.3	21.0
11 27	1 53.67	− 0 21.3	1.851	2.683	13.7	21.2
12 7	1 49.40	− 0 0.3	1.933	2.671	16.5	21.4

373015 2011 DC_{13} 10 29.6 277°.96 3°.9/ 2.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 39.16	+27 32.7	2.413	3.227	12.0	21.3
10 8	2 33.57	+27 38.6	2.315	3.207	9.5	21.1
10 18	2 26.18	+27 29.2	2.241	3.186	6.7	20.9
10 28	2 17.62	+27 4.2	2.193	3.166	4.4	20.7
11 7	2 8.79	+26 25.5	2.174	3.145	4.3	20.7
11 17	2 0.59	+25 36.9	2.184	3.125	6.7	20.8
11 27	1 53.88	+24 44.0	2.222	3.104	9.7	20.9
12 7	1 49.25	+23 53.0	2.284	3.083	12.5	21.1

180092 2003 EC_{36} 10 29.6 106°.58 1°.2/30.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 40.50	+17 54.9	2.048	2.901	12.4	20.2
10 8	2 34.45	+17 52.0	1.980	2.905	9.0	20.0
10 18	2 26.58	+17 38.9	1.937	2.909	5.3	19.8
10 28	2 17.67	+17 17.4	1.921	2.912	1.6	19.5
11 7	2 8.67	+16 50.7	1.934	2.916	3.3	19.7
11 17	2 0.55	+16 23.0	1.977	2.920	7.1	19.9
11 27	1 54.13	+15 59.2	2.046	2.923	10.6	20.2
12 7	1 49.92	+15 43.0	2.138	2.926	13.5	20.4

238003 2002 TP_{124} 10 29.6 69°.72 1°.9/28.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 41.64	+10 16.6	1.666	2.543	13.6	20.0
10 8	2 35.27	+ 9 45.3	1.624	2.563	9.5	19.8
10 18	2 26.97	+ 9 9.1	1.605	2.584	5.2	19.6
10 28	2 17.71	+ 8 32.5	1.614	2.605	1.9	19.4
11 7	2 8.60	+ 8 0.9	1.650	2.626	4.8	19.7
11 17	2 0.68	+ 7 38.8	1.714	2.646	8.9	20.0
11 27	1 54.77	+ 7 29.4	1.803	2.667	12.5	20.3
12 7	1 51.30	+ 7 34.0	1.913	2.687	15.4	20.5

143283 2003 AX_{25} 10 29.6 202°.53 5°.3/ 5.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 38.08	+36 43.4	3.036	3.788	11.2	20.0
10 8	2 32.48	+36 45.0	2.949	3.785	9.4	19.9
10 18	2 25.41	+36 29.4	2.884	3.783	7.5	19.7
10 28	2 17.50	+35 56.0	2.844	3.780	5.9	19.6
11 7	2 9.50	+35 6.3	2.834	3.776	5.4	19.6
11 17	2 2.17	+34 3.6	2.852	3.773	6.3	19.6
11 27	1 56.18	+32 53.2	2.898	3.769	8.0	19.8
12 7	1 51.98	+31 40.8	2.970	3.765	10.0	19.9

71094 1999 XZ_{133} 10 29.6 6°.09 2°.4/28.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 44.19	+ 7 10.5	1.583	2.461	14.1	18.8
10 8	2 37.44	+ 7 18.3	1.521	2.461	10.1	18.5
10 18	2 28.37	+ 7 25.1	1.483	2.461	5.7	18.3
10 28	2 17.94	+ 7 34.1	1.471	2.462	2.4	18.1
11 7	2 7.39	+ 7 48.5	1.488	2.463	5.3	18.3
11 17	1 57.97	+ 8 10.7	1.531	2.464	9.7	18.5
11 27	1 50.72	+ 8 42.8	1.600	2.466	13.7	18.8
12 7	1 46.22	+ 9 25.5	1.689	2.468	17.0	19.0

171628 2000 DE_{25} 10 29.6 147°.79 1°.9/27.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 39.06	+10 24.6	2.077	2.948	11.5	19.9
10 8	2 33.28	+ 9 35.4	2.016	2.954	8.1	19.7
10 18	2 25.87	+ 8 40.9	1.981	2.959	4.5	19.5
10 28	2 17.57	+ 7 45.5	1.974	2.965	1.9	19.4
11 7	2 9.27	+ 6 54.7	1.997	2.969	4.5	19.6
11 17	2 1.82	+ 6 13.1	2.048	2.974	8.1	19.8
11 27	1 55.97	+ 5 44.6	2.125	2.978	11.3	20.0
12 7	1 52.16	+ 5 30.8	2.225	2.982	14.0	20.2

4590 Dimashchegolev 10 29.6 181°.23 4°.8/25.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 28	2 40.55	+ 3 27.6	1.925	2.802	12.0	17.6
10 8	2 34.44	+ 2 3.4	1.866	2.803	8.7	17.4
10 18	2 26.54	+ 0 38.5	1.834	2.804	5.7	17.2
10 28	2 17.67	− 0 39.8	1.829	2.804	4.9	17.2
11 7	2 8.78	− 1 44.6	1.854	2.803	7.1	17.3
11 17	2 0.81	− 2 30.7	1.906	2.802	10.4	17.5
11 27	1 54.56	− 2 55.4	1.982	2.800	13.5	17.7
12 7	1 50.51	− 2 58.9	2.078	2.797	16.1	17.9

134907 2000 YL_{13} 10 29.6 350°.71 1°.2/29.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 40.16	+12 15.8	1.039	1.938	17.9	19.5
10 8	2 35.47	+12 6.2	0.981	1.931	12.9	19.1
10 18	2 27.64	+11 46.7	0.944	1.926	7.1	18.8
10 28	2 17.85	+11 22.1	0.929	1.922	1.3	18.4
11 7	2 7.82	+10 59.0	0.937	1.918	5.8	18.7
11 17	1 59.28	+10 44.4	0.968	1.917	11.8	19.1
11 27	1 53.62	+10 44.2	1.020	1.916	17.1	19.4
12 7	1 51.56	+11 1.3	1.090	1.916	21.4	19.6

261716 2006 AH_{19} 10 29.6 293°.86 9°.8/20.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 38.89	−15 34.9	2.136	2.983	12.2	20.0
10 8	2 33.30	−16 44.7	2.074	2.961	10.7	19.8
10 18	2 25.97	−17 40.0	2.036	2.939	9.9	19.7
10 28	2 17.60	−18 13.7	2.022	2.916	10.2	19.7
11 7	2 9.08	−18 20.7	2.033	2.894	11.6	19.8
11 17	2 1.32	−17 59.4	2.067	2.871	13.5	19.8
11 27	1 55.10	−17 10.7	2.122	2.849	15.6	20.0
12 7	1 50.96	−15 58.4	2.194	2.827	17.4	20.1

193338 2000 UR_{4} 10 29.6 33°.36 1°.6/28.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 44.52	+ 9 31.9	1.234	2.122	16.5	18.6
10 8	2 37.94	+ 9 45.6	1.191	2.135	11.8	18.3
10 18	2 28.68	+ 9 55.3	1.169	2.149	6.4	18.1
10 28	2 17.97	+10 4.1	1.172	2.164	1.7	17.8
11 7	2 7.37	+10 15.5	1.201	2.180	5.3	18.1
11 17	1 58.33	+10 33.0	1.255	2.197	10.4	18.5
11 27	1 51.93	+10 59.5	1.332	2.214	14.8	18.8
12 7	1 48.72	+11 36.3	1.429	2.232	18.4	19.1

115480 2003 UC_{11} 10 29.6 77°.43 0°.5/29.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 41.63	+13 33.3	1.694	2.565	13.7	19.0
10 8	2 35.40	+13 14.4	1.640	2.577	9.7	18.8
10 18	2 27.13	+12 47.3	1.610	2.588	5.3	18.5
10 28	2 17.76	+12 15.5	1.607	2.600	0.8	18.2
11 7	2 8.42	+11 44.0	1.632	2.612	4.1	18.5
11 17	2 0.21	+11 17.5	1.684	2.623	8.4	18.8
11 27	1 53.99	+11 0.7	1.762	2.635	12.3	19.1
12 7	1 50.28	+10 56.2	1.862	2.647	15.4	19.3

435572 2008 RH_{73} 10 29.6 72°.97 5°.3/ 2.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 44.64	+27 13.2	1.555	2.387	16.7	21.3
10 8	2 38.00	+27 39.5	1.496	2.398	13.0	21.1
10 18	2 28.76	+27 44.7	1.458	2.409	9.1	20.9
10 28	2 18.01	+27 27.8	1.445	2.420	5.9	20.8
11 7	2 7.19	+26 51.6	1.458	2.431	5.8	20.8
11 17	1 57.70	+26 2.6	1.498	2.442	8.9	21.0
11 27	1 50.68	+25 9.6	1.563	2.453	12.5	21.3
12 7	1 46.73	+24 20.9	1.650	2.464	15.8	21.5

151681 2003 AR_{25} 10 29.6 347°.03 1°.8/30.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 38.70	+18 25.0	1.136	2.021	17.8	19.5
10 8	2 34.36	+18 23.4	1.072	2.013	13.2	19.2
10 18	2 27.03	+18 4.5	1.028	2.005	7.8	18.9
10 28	2 17.79	+17 30.6	1.007	1.999	2.4	18.6
11 7	2 8.27	+16 47.7	1.010	1.994	4.9	18.7
11 17	2 0.09	+16 4.1	1.037	1.990	10.5	19.0
11 27	1 54.65	+15 28.7	1.085	1.987	15.7	19.3
12 7	1 52.66	+15 7.9	1.152	1.985	20.0	19.6

389350 2009 UL_{30} 10 29.6 157°.16 2°.1/28.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 41.27	+ 6 20.7	2.552	3.415	9.9	21.0
10 8	2 34.64	+ 6 18.0	2.485	3.418	7.0	20.9
10 18	2 26.57	+ 6 14.8	2.446	3.421	4.0	20.7
10 28	2 17.71	+ 6 13.6	2.436	3.424	2.1	20.5
11 7	2 8.79	+ 6 16.7	2.457	3.427	4.0	20.7
11 17	2 0.58	+ 6 26.3	2.508	3.429	7.0	20.9
11 27	1 53.72	+ 6 43.7	2.587	3.432	9.8	21.1
12 7	1 48.67	+ 7 9.9	2.689	3.434	12.2	21.3

320022 2007 DZ_{74} 10 29.6 344°.90 4°.0/ 1.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 40.62	+25 45.8	2.039	2.867	13.4	20.6
10 8	2 34.74	+26 3.5	1.964	2.866	10.4	20.4
10 18	2 26.86	+26 5.7	1.912	2.864	7.2	20.2
10 28	2 17.76	+25 52.0	1.886	2.863	4.4	20.1
11 7	2 8.48	+25 24.4	1.888	2.862	4.5	20.1
11 17	2 0.07	+24 47.4	1.919	2.861	7.3	20.2
11 27	1 53.45	+24 7.1	1.975	2.860	10.5	20.4
12 7	1 49.21	+23 29.6	2.056	2.860	13.5	20.6

508910 2003 YJ_{53} 10 29.6 315°.93 4°.1/ 1.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 28	2 37.99	+25 23.3	1.213	2.076	18.4	20.7
10 8	2 33.99	+25 3.2	1.132	2.056	14.3	20.3
10 18	2 26.92	+24 15.2	1.071	2.037	9.5	20.0
10 28	2 17.80	+22 59.6	1.032	2.018	4.9	19.7
11 7	2 8.21	+21 22.9	1.018	1.999	5.4	19.7
11 17	1 59.83	+19 36.5	1.028	1.982	10.4	19.9
11 27	1 54.16	+17 54.4	1.060	1.965	15.7	20.2
12 7	1 52.01	+16 28.5	1.112	1.949	20.3	20.4

357290 2002 TZ_{324} 10 29.6 324°.96 5°.0/31.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 43.53	+22 38.9	1.443	2.297	16.6	20.6
10 8	2 37.85	+23 42.5	1.355	2.273	12.9	20.3
10 18	2 29.10	+24 33.1	1.288	2.250	8.8	20.0
10 28	2 18.14	+25 7.2	1.246	2.227	5.4	19.8
11 7	2 6.39	+25 23.9	1.230	2.206	6.0	19.7
11 17	1 55.52	+25 25.8	1.239	2.185	10.1	19.9
11 27	1 47.10	+25 19.5	1.272	2.165	14.5	20.1
12 7	1 42.13	+25 12.8	1.325	2.146	18.6	20.3

259980 2004 FB_{41} 10 29.6 202°.22 1°.7/31.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 41.22	+19 55.1	2.255	3.097	11.8	21.4
10 8	2 34.93	+19 52.8	2.176	3.094	8.7	21.2
10 18	2 26.88	+19 39.5	2.123	3.091	5.3	21.0
10 28	2 17.77	+19 16.3	2.098	3.087	2.1	20.8
11 7	2 8.52	+18 46.2	2.102	3.083	3.2	20.9
11 17	2 0.04	+18 13.1	2.136	3.078	6.7	21.1
11 27	1 53.13	+17 42.1	2.197	3.073	10.0	21.3
12 7	1 48.34	+17 17.2	2.282	3.068	12.9	21.5

36860 2000 SP_{136} 10 29.6 76°.06 5°.2/ 2.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 41.93	+29 23.4	1.618	2.443	16.5	18.9
10 8	2 35.96	+29 18.3	1.556	2.452	13.0	18.7
10 18	2 27.59	+28 49.2	1.515	2.462	9.2	18.5
10 28	2 17.87	+27 56.7	1.498	2.472	6.0	18.3
11 7	2 8.14	+26 45.1	1.509	2.481	5.6	18.3
11 17	1 59.69	+25 22.5	1.546	2.491	8.5	18.5
11 27	1 53.56	+23 58.9	1.609	2.501	12.1	18.7
12 7	1 50.29	+22 43.1	1.694	2.510	15.4	19.0

298031 2002 PP_{141} 10 29.6 40°.22 5°.8/ 3.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 39.62	+31 42.2	1.389	2.217	18.5	18.8
10 8	2 34.40	+31 13.9	1.343	2.239	14.6	18.6
10 18	2 26.69	+30 16.0	1.317	2.262	10.4	18.4
10 28	2 17.73	+28 50.6	1.314	2.286	6.8	18.3
11 7	2 9.01	+27 5.3	1.337	2.310	6.1	18.3
11 17	2 1.83	+25 11.3	1.386	2.335	8.8	18.5
11 27	1 57.16	+23 20.8	1.460	2.360	12.5	18.8
12 7	1 55.42	+21 43.8	1.556	2.385	15.9	19.1

505822 2015 BG_{451} 10 29.6 321°.14 4°.0/31.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 43.86	+22 16.8	1.259	2.122	17.9	21.0
10 8	2 38.04	+22 41.4	1.190	2.115	13.7	20.7
10 18	2 29.09	+22 47.1	1.141	2.109	8.9	20.4
10 28	2 18.13	+22 33.0	1.116	2.103	4.5	20.1
11 7	2 6.78	+22 2.3	1.116	2.097	5.4	20.2
11 17	1 56.78	+21 21.9	1.141	2.091	10.2	20.4
11 27	1 49.58	+20 41.4	1.190	2.087	15.0	20.7
12 7	1 45.94	+20 9.1	1.257	2.082	19.2	21.0

70717 1999 UB_{51} 10 29.6 32°.16 10°.5/24.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 42.03	− 9 41.8	1.317	2.198	16.2	18.4
10 8	2 35.88	−10 35.9	1.288	2.210	13.1	18.2
10 18	2 27.43	−11 11.8	1.279	2.223	10.9	18.2
10 28	2 17.84	−11 21.4	1.294	2.236	10.6	18.2
11 7	2 8.49	−11 0.3	1.333	2.251	12.3	18.3
11 17	2 0.60	−10 9.1	1.393	2.266	15.0	18.5
11 27	1 55.10	− 8 51.6	1.475	2.282	17.8	18.8
12 7	1 52.41	− 7 14.0	1.574	2.298	20.2	19.0

255360 2005 WR_{99} 10 29.6 56°.64 4°.5/26.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 40.17	+ 0 57.2	1.992	2.868	11.7	19.9
10 8	2 34.11	+ 0 28.9	1.939	2.874	8.6	19.7
10 18	2 26.36	+ 0 4.1	1.910	2.879	5.7	19.6
10 28	2 17.70	− 0 12.5	1.910	2.885	4.6	19.5
11 7	2 9.06	− 0 17.2	1.937	2.891	6.5	19.6
11 17	2 1.31	− 0 7.5	1.992	2.897	9.5	19.8
11 27	1 55.23	+ 0 17.3	2.072	2.903	12.4	20.0
12 7	1 51.25	+ 0 56.4	2.173	2.910	14.9	20.2

448986 2012 AO_{9} 10 29.6 356°.12 2°.4/27.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 36.91	+ 9 55.1	1.778	2.660	12.6	21.0
10 8	2 32.05	+ 9 1.3	1.716	2.658	8.9	20.8
10 18	2 25.33	+ 8 1.6	1.678	2.657	5.0	20.6
10 28	2 17.56	+ 7 1.4	1.667	2.656	2.4	20.4
11 7	2 9.73	+ 6 7.1	1.683	2.656	5.2	20.6
11 17	2 2.81	+ 5 24.3	1.727	2.656	9.1	20.8
11 27	1 57.64	+ 4 57.3	1.796	2.656	12.7	21.0
12 7	1 54.71	+ 4 47.8	1.885	2.656	15.7	21.3

396937 2005 GN_{167} 10 29.6 94°.21 0°.3/29.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 28	2 41.24	+13 49.0	1.858	2.724	12.8	21.0
10 8	2 35.09	+13 37.7	1.795	2.729	9.2	20.8
10 18	2 27.00	+13 18.6	1.756	2.733	5.1	20.5
10 28	2 17.80	+12 54.7	1.744	2.737	0.7	20.2
11 7	2 8.55	+12 29.8	1.762	2.742	3.8	20.5
11 17	2 0.26	+12 8.5	1.807	2.746	8.0	20.7
11 27	1 53.80	+11 54.9	1.878	2.751	11.7	21.0
12 7	1 49.71	+11 51.8	1.972	2.755	14.7	21.2

40110 1998 QM_{9} 10 29.6 43°.47 0°.3/29.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 37.31	+17 16.2	1.860	2.725	12.9	18.4
10 8	2 32.22	+16 38.0	1.804	2.737	9.3	18.2
10 18	2 25.36	+15 48.4	1.773	2.749	5.2	18.0
10 28	2 17.56	+14 51.3	1.768	2.761	0.9	17.7
11 7	2 9.79	+13 52.3	1.792	2.774	3.5	17.9
11 17	2 3.00	+12 57.2	1.844	2.787	7.5	18.2
11 27	1 57.95	+12 11.6	1.922	2.800	11.1	18.4
12 7	1 55.09	+11 39.1	2.022	2.814	14.1	18.7

320164 2007 GP_{1} 10 29.6 76°.76 1°.3/28.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 39.01	+10 32.0	2.186	3.054	11.1	20.6
10 8	2 33.16	+10 10.2	2.132	3.069	7.8	20.4
10 18	2 25.79	+ 9 44.2	2.105	3.083	4.3	20.2
10 28	2 17.62	+ 9 17.4	2.105	3.097	1.4	20.1
11 7	2 9.49	+ 8 53.4	2.135	3.111	3.8	20.3
11 17	2 2.20	+ 8 35.7	2.194	3.125	7.3	20.5
11 27	1 56.44	+ 8 27.1	2.280	3.139	10.4	20.7
12 7	1 52.63	+ 8 29.2	2.388	3.153	13.0	20.9

227210 2005 QH_{152} 10 29.6 68°.59 3°.7/31.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 44.85	+23 17.8	1.400	2.252	17.1	19.9
10 8	2 38.14	+23 27.5	1.350	2.269	12.9	19.7
10 18	2 28.81	+23 17.6	1.322	2.286	8.3	19.5
10 28	2 18.06	+22 49.1	1.318	2.303	4.3	19.3
11 7	2 7.38	+22 6.5	1.341	2.321	4.9	19.4
11 17	1 58.20	+21 17.3	1.390	2.338	9.0	19.7
11 27	1 51.61	+20 30.0	1.464	2.355	13.1	20.0
12 7	1 48.15	+19 51.7	1.559	2.372	16.6	20.2

263908 2009 FV_{46} 10 29.6 147°.70 1°.6/30.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 45.99	+19 13.9	1.708	2.558	14.6	21.2
10 8	2 38.63	+19 4.3	1.645	2.568	10.7	21.0
10 18	2 29.00	+18 40.9	1.606	2.577	6.3	20.8
10 28	2 18.10	+18 5.7	1.595	2.586	2.1	20.5
11 7	2 7.17	+17 23.1	1.612	2.594	3.8	20.7
11 17	1 57.45	+16 39.3	1.658	2.601	8.2	20.9
11 27	1 49.92	+16 0.7	1.730	2.607	12.2	21.2
12 7	1 45.14	+15 32.4	1.824	2.613	15.5	21.4

364976 2008 HO_{25} 10 29.6 14°.68 6°.0/25.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 39.57	− 1 37.7	1.729	2.611	12.9	20.0
10 8	2 33.89	− 2 12.4	1.679	2.614	9.7	19.8
10 18	2 26.31	− 2 40.7	1.652	2.617	6.9	19.7
10 28	2 17.71	− 2 56.9	1.652	2.621	6.1	19.7
11 7	2 9.11	− 2 56.6	1.679	2.626	8.0	19.8
11 17	2 1.53	− 2 37.6	1.731	2.631	11.0	20.0
11 27	1 55.79	− 1 59.9	1.807	2.636	14.1	20.2
12 7	1 52.38	− 1 5.5	1.903	2.642	16.7	20.4

230163 2001 QZ_{245} 10 29.7 3°.76 3°.8/31.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 41.78	+20 59.1	1.169	2.043	18.3	18.8
10 8	2 36.57	+21 34.9	1.110	2.042	13.8	18.6
10 18	2 28.26	+21 53.1	1.071	2.041	8.8	18.3
10 28	2 18.02	+21 52.9	1.055	2.043	4.4	18.1
11 7	2 7.53	+21 37.4	1.064	2.045	5.4	18.1
11 17	1 58.50	+21 12.9	1.096	2.048	10.2	18.4
11 27	1 52.30	+20 48.0	1.151	2.052	15.0	18.7
12 7	1 49.66	+20 30.4	1.225	2.058	19.1	19.0

106076 2000 SB_{345} 10 29.7 91°.36 3°.8/ 1.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 40.09	+26 11.6	2.056	2.883	13.4	19.8
10 8	2 34.30	+26 12.9	1.984	2.885	10.4	19.7
10 18	2 26.59	+25 57.5	1.935	2.888	7.1	19.5
10 28	2 17.76	+25 25.9	1.913	2.891	4.3	19.3
11 7	2 8.84	+24 41.1	1.919	2.894	4.3	19.3
11 17	2 0.81	+23 48.3	1.953	2.896	7.1	19.5
11 27	1 54.57	+22 54.1	2.014	2.899	10.3	19.7
12 7	1 50.64	+22 4.5	2.098	2.902	13.3	19.9

112498 2002 PU_{11} 10 29.7 56°.06 4°.7/ 1.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 44.03	+25 33.7	1.618	2.455	15.9	19.5
10 8	2 37.44	+26 3.0	1.563	2.469	12.3	19.3
10 18	2 28.42	+26 13.5	1.529	2.483	8.4	19.1
10 28	2 18.02	+26 4.7	1.520	2.498	5.2	18.9
11 7	2 7.59	+25 39.2	1.538	2.513	5.3	19.0
11 17	1 58.44	+25 2.7	1.584	2.528	8.4	19.2
11 27	1 51.60	+24 22.8	1.654	2.543	12.0	19.4
12 7	1 47.67	+23 46.7	1.747	2.558	15.2	19.7

175321 2005 MQ_{35} 10 29.7 117°.91 1°.4/30.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 28	2 39.85	+19 25.4	2.025	2.876	12.6	20.7
10 8	2 34.01	+19 8.5	1.959	2.882	9.2	20.5
10 18	2 26.38	+18 39.4	1.916	2.887	5.5	20.3
10 28	2 17.73	+18 0.5	1.902	2.892	1.8	20.0
11 7	2 9.03	+17 15.8	1.916	2.897	3.3	20.1
11 17	2 1.24	+16 30.4	1.959	2.902	7.1	20.4
11 27	1 55.15	+15 49.8	2.028	2.907	10.6	20.6
12 7	1 51.27	+15 18.3	2.121	2.912	13.6	20.8

324749 2007 FW_{30} 10 29.7 193°.75 2°.1/27.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 36.32	+ 9 15.9	2.488	3.359	9.9	21.7
10 8	2 31.19	+ 8 16.5	2.420	3.357	7.0	21.5
10 18	2 24.72	+ 7 12.8	2.378	3.356	3.9	21.3
10 28	2 17.49	+ 6 9.1	2.366	3.354	2.1	21.1
11 7	2 10.23	+ 5 10.4	2.383	3.352	4.3	21.3
11 17	2 3.61	+ 4 20.9	2.430	3.349	7.3	21.5
11 27	1 58.27	+ 3 44.0	2.504	3.346	10.2	21.7
12 7	1 54.63	+ 3 21.5	2.600	3.343	12.6	21.8

265103 2003 SA_{320} 10 29.7 327°.15 4°.3/ 2.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 40.10	+26 59.2	2.142	2.963	13.1	20.8
10 8	2 34.36	+27 19.1	2.063	2.959	10.3	20.6
10 18	2 26.67	+27 23.3	2.007	2.955	7.3	20.4
10 28	2 17.79	+27 11.1	1.978	2.951	4.7	20.2
11 7	2 8.70	+26 44.6	1.976	2.948	4.7	20.2
11 17	2 0.43	+26 7.7	2.003	2.944	7.2	20.4
11 27	1 53.86	+25 26.3	2.057	2.941	10.2	20.6
12 7	1 49.59	+24 46.5	2.134	2.938	13.0	20.7

271932 2004 XV_{125} 10 29.7 327°.26 10°.1/ 4.6 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 42.02	+37 9.8	1.726	2.508	17.3	20.0
10 8	2 36.84	+38 29.3	1.629	2.479	15.0	19.8
10 18	2 28.61	+39 26.9	1.551	2.451	12.6	19.5
10 28	2 18.13	+39 56.1	1.496	2.424	10.7	19.4
11 7	2 6.76	+39 53.8	1.464	2.397	10.2	19.3
11 17	1 56.16	+39 21.6	1.456	2.371	11.6	19.3
11 27	1 47.94	+38 27.1	1.471	2.346	14.1	19.4
12 7	1 43.16	+37 21.2	1.508	2.323	17.0	19.5

441284 2007 XJ_{17} 10 29.7 331°.55 10°.4/23.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 40.28	− 8 52.3	1.340	2.224	15.7	19.9
10 8	2 35.12	− 9 42.5	1.276	2.201	12.9	19.7
10 18	2 27.33	−10 17.7	1.233	2.180	10.8	19.5
10 28	2 17.90	−10 28.3	1.212	2.159	10.6	19.5
11 7	2 8.17	−10 7.4	1.215	2.140	12.7	19.5
11 17	1 59.54	− 9 13.0	1.240	2.122	15.9	19.7
11 27	1 53.23	− 7 47.4	1.285	2.105	19.2	19.8
12 7	1 49.92	− 5 56.5	1.347	2.089	22.3	20.0

214021 2004 DA_{13} 10 29.7 150°.70 4°.3/ 2.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 43.10	+28 35.3	2.403	3.205	12.4	20.4
10 8	2 36.26	+28 53.1	2.330	3.213	9.8	20.2
10 18	2 27.61	+28 55.3	2.281	3.220	7.0	20.0
10 28	2 17.92	+28 41.3	2.259	3.227	4.8	19.9
11 7	2 8.13	+28 12.8	2.266	3.233	4.6	19.9
11 17	1 59.17	+27 33.7	2.303	3.239	6.7	20.1
11 27	1 51.87	+26 49.6	2.367	3.244	9.4	20.2
12 7	1 46.76	+26 6.3	2.456	3.249	11.9	20.4

384953 2012 TG_{133} 10 29.7 90°.55 0°.5/29.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 43.59	+13 45.5	1.613	2.482	14.3	21.3
10 8	2 36.83	+13 23.6	1.564	2.500	10.2	21.1
10 18	2 27.94	+12 53.0	1.539	2.517	5.5	20.9
10 28	2 17.95	+12 17.5	1.541	2.534	0.8	20.6
11 7	2 8.08	+11 42.3	1.571	2.551	4.2	20.9
11 17	1 59.45	+11 12.8	1.629	2.568	8.7	21.2
11 27	1 52.98	+10 53.6	1.712	2.584	12.6	21.5
12 7	1 49.14	+10 47.4	1.816	2.600	15.8	21.7

392387 2010 JW_{77} 10 29.7 272°.85 0°.4/29.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 38.68	+15 36.9	1.751	2.621	13.3	20.7
10 8	2 33.43	+14 47.4	1.680	2.616	9.6	20.4
10 18	2 26.16	+13 45.8	1.634	2.612	5.3	20.2
10 28	2 17.71	+12 36.8	1.614	2.607	0.8	19.8
11 7	2 9.16	+11 27.0	1.623	2.603	4.1	20.1
11 17	2 1.56	+10 23.2	1.659	2.598	8.5	20.4
11 27	1 55.82	+ 9 31.8	1.721	2.594	12.5	20.6
12 7	1 52.49	+ 8 56.8	1.804	2.589	15.8	20.8

248480 2005 UL_{167} 10 29.7 195°.08 0°.0/29.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 43.05	+13 5.3	2.213	3.070	11.4	20.4
10 8	2 36.22	+13 17.5	2.140	3.069	8.2	20.2
10 18	2 27.60	+13 24.4	2.093	3.068	4.6	19.9
10 28	2 17.93	+13 27.5	2.074	3.067	0.6	19.6
11 7	2 8.13	+13 28.9	2.086	3.066	3.3	19.9
11 17	1 59.10	+13 31.3	2.127	3.065	7.1	20.1
11 27	1 51.68	+13 37.8	2.196	3.063	10.4	20.3
12 7	1 46.39	+13 50.8	2.289	3.061	13.3	20.5

2020	α_{2000}	δ_{2000}	Δ	r	β	V
75701 2000 AF_{113}			10 29.7	18°.02	7°.0/ 4.7	18
	h m	° ′			°	m
9 28	2 39.56	+34 4.3	1.586	2.394	17.5	18.9
10 8	2 34.49	+33 59.7	1.518	2.397	14.3	18.7
10 18	2 26.89	+33 26.5	1.469	2.400	10.9	18.5
10 28	2 17.83	+32 23.9	1.444	2.404	7.9	18.4
11 7	2 8.70	+30 55.9	1.444	2.408	7.0	18.3
11 17	2 0.85	+29 11.3	1.470	2.413	9.1	18.5
11 27	1 55.38	+27 21.7	1.522	2.418	12.4	18.7
12 7	1 52.85	+25 38.3	1.596	2.423	15.6	18.9
267995 2004 HE_{25}			10 29.7	103°.68	0°.9/29.0	16
9 28	2 44.27	+13 2.5	1.702	2.569	13.8	21.3
10 8	2 37.18	+12 33.3	1.655	2.590	9.8	21.1
10 18	2 28.09	+11 56.3	1.632	2.610	5.3	20.9
10 28	2 17.99	+11 15.6	1.637	2.630	1.0	20.6
11 7	2 8.04	+10 36.5	1.671	2.649	4.3	20.9
11 17	1 59.31	+10 4.3	1.732	2.668	8.5	21.2
11 27	1 52.67	+ 9 43.1	1.820	2.686	12.3	21.5
12 7	1 48.56	+ 9 35.4	1.929	2.704	15.3	21.7
439306 2012 VA_{47}			10 29.7	112°.36	1°.4/28.5	18
9 28	2 40.62	+12 34.1	1.739	2.611	13.3	21.3
10 8	2 34.65	+11 43.4	1.683	2.622	9.4	21.0
10 18	2 26.74	+10 44.4	1.653	2.632	5.1	20.8
10 28	2 17.80	+ 9 42.6	1.649	2.641	1.5	20.6
11 7	2 8.91	+ 8 44.2	1.674	2.651	4.6	20.8
11 17	2 1.09	+ 7 55.2	1.727	2.660	8.8	21.1
11 27	1 55.18	+ 7 20.4	1.806	2.669	12.5	21.4
12 7	1 51.66	+ 7 2.1	1.905	2.678	15.5	21.6
220112 2002 TZ_{32}			10 29.7	67°.02	1°.0/29.1	18
9 28	2 44.97	+12 18.7	1.316	2.196	16.2	20.2
10 8	2 38.14	+12 5.7	1.272	2.213	11.5	20.0
10 18	2 28.78	+11 44.7	1.250	2.230	6.3	19.7
10 28	2 18.09	+11 19.6	1.254	2.247	1.2	19.4
11 7	2 7.55	+10 56.2	1.284	2.264	5.0	19.7
11 17	1 58.53	+10 39.8	1.340	2.281	10.0	20.1
11 27	1 52.07	+10 35.0	1.420	2.299	14.3	20.4
12 7	1 48.66	+10 44.0	1.520	2.316	17.8	20.7
208142 2000 EL_{103}			10 29.7	247°.41	5°.9/24.7	18
9 28	2 41.75	− 4 15.3	2.299	3.163	10.8	20.3
10 8	2 35.25	− 4 59.2	2.223	3.145	8.4	20.1
10 18	2 27.07	− 5 37.3	2.173	3.125	6.4	20.0
10 28	2 17.87	− 6 4.1	2.151	3.106	6.1	19.9
11 7	2 8.50	− 6 15.4	2.157	3.086	7.7	20.0
11 17	1 59.81	− 6 8.6	2.191	3.065	10.3	20.1
11 27	1 52.58	− 5 43.0	2.250	3.043	12.9	20.2
12 7	1 47.33	− 4 59.9	2.330	3.021	15.2	20.4
254982 2005 SH_{257}			10 29.7	6°.49	1°.7/28.3	18
9 28	2 38.27	+10 44.3	1.807	2.685	12.6	20.7
10 8	2 33.02	+10 10.3	1.744	2.685	8.9	20.5
10 18	2 25.89	+ 9 30.4	1.706	2.685	4.9	20.2
10 28	2 17.70	+ 8 49.1	1.695	2.686	1.7	20.0
11 7	2 9.44	+ 8 11.6	1.711	2.687	4.6	20.2
11 17	2 2.10	+ 7 42.7	1.755	2.689	8.6	20.5
11 27	1 56.53	+ 7 26.3	1.825	2.690	12.3	20.7
12 7	1 53.23	+ 7 24.5	1.915	2.692	15.3	20.9
116755 2004 DG_{66}			10 29.7	60°.74	5°.1/26.3	18
9 28	2 40.82	+ 5 8.6	1.317	2.210	15.3	19.5
10 8	2 35.10	+ 3 53.7	1.277	2.223	11.0	19.3
10 18	2 27.07	+ 2 38.1	1.261	2.237	6.8	19.1
10 28	2 17.86	+ 1 30.9	1.269	2.251	5.2	19.0
11 7	2 8.81	+ 0 40.2	1.303	2.265	8.0	19.2
11 17	2 1.14	+ 0 11.5	1.362	2.280	12.0	19.5
11 27	1 55.80	+ 0 7.0	1.444	2.294	15.8	19.8
12 7	1 53.25	+ 0 25.3	1.543	2.309	18.9	20.0
107341 2001 CE_{23}			10 29.7	127°.01	4°.1/26.2	18
9 28	2 40.28	+ 3 40.1	2.052	2.926	11.4	20.1
10 8	2 34.10	+ 2 40.4	2.003	2.940	8.2	19.9
10 18	2 26.34	+ 1 41.2	1.981	2.953	5.2	19.8
10 28	2 17.76	+ 0 48.4	1.987	2.965	4.1	19.7
11 7	2 9.25	+ 0 7.0	2.022	2.977	6.2	19.9
11 17	2 1.67	− 0 19.3	2.085	2.989	9.2	20.1
11 27	1 55.70	− 0 28.5	2.173	3.000	12.1	20.3
12 7	1 51.79	− 0 20.7	2.283	3.011	14.5	20.5
317753 2003 SS_{68}			10 29.7	38°.40	1°.7/28.5	16
9 28	2 39.36	+14 15.6	1.097	1.991	17.6	20.2
10 8	2 34.50	+13 3.3	1.053	2.001	12.5	20.0
10 18	2 26.90	+11 36.7	1.030	2.012	6.7	19.7
10 28	2 17.84	+10 4.8	1.031	2.024	1.8	19.4
11 7	2 8.92	+ 8 39.0	1.057	2.036	6.0	19.7
11 17	2 1.57	+ 7 29.4	1.107	2.049	11.5	20.1
11 27	1 56.89	+ 6 43.0	1.179	2.062	16.2	20.4
12 7	1 55.36	+ 6 22.0	1.269	2.076	20.0	20.7

2020	α_{2000}	δ_{2000}	Δ	r	β	V
435114 2007 DH_{78}			10 29.7	138°.86	0°.0/29.5	18
	h m	° ′			°	m
9 28	2 42.49	+15 49.6	1.830	2.691	13.3	22.1
10 8	2 35.96	+15 16.9	1.770	2.701	9.5	21.9
10 18	2 27.48	+14 33.6	1.734	2.710	5.3	21.7
10 28	2 17.93	+13 43.5	1.726	2.719	0.8	21.4
11 7	2 8.40	+12 51.9	1.747	2.727	3.8	21.6
11 17	1 59.93	+12 4.5	1.796	2.735	8.0	21.9
11 27	1 53.37	+11 26.7	1.872	2.743	11.8	22.2
12 7	1 49.23	+11 2.0	1.970	2.750	14.9	22.4
308810 2006 QZ_{114}			10 29.7	39°.16	8°.2/ 5.6	18
9 28	2 41.71	+35 52.4	1.546	2.344	18.3	19.5
10 8	2 36.06	+36 15.2	1.492	2.359	15.2	19.4
10 18	2 27.77	+36 8.7	1.456	2.375	11.9	19.2
10 28	2 17.99	+35 31.2	1.443	2.391	9.1	19.1
11 7	2 8.23	+34 25.8	1.454	2.408	8.2	19.1
11 17	1 59.93	+33 0.4	1.491	2.425	9.7	19.2
11 27	1 54.19	+31 26.3	1.552	2.443	12.5	19.4
12 7	1 51.53	+29 54.5	1.636	2.461	15.4	19.7
482079 2010 ED_{71}			10 29.7	61°.92	0°.8/30.2	18
9 28	2 42.13	+16 39.3	1.600	2.466	14.6	20.8
10 8	2 35.99	+16 32.1	1.541	2.474	10.6	20.6
10 18	2 27.62	+16 13.3	1.506	2.481	6.0	20.3
10 28	2 17.97	+15 45.8	1.497	2.489	1.3	20.0
11 7	2 8.29	+15 13.9	1.515	2.497	3.9	20.3
11 17	1 59.77	+14 43.3	1.561	2.505	8.5	20.5
11 27	1 53.39	+14 19.5	1.632	2.513	12.5	20.8
12 7	1 49.70	+14 6.7	1.724	2.522	15.9	21.1
411514 2011 BZ_{36}			10 29.7	28°.84	4°.6/25.5	18
9 28	2 36.26	+ 2 7.6	2.058	2.939	11.1	20.7
10 8	2 31.34	+ 1 6.8	2.005	2.943	8.1	20.5
10 18	2 24.87	+ 0 7.5	1.977	2.947	5.4	20.4
10 28	2 17.57	− 0 44.3	1.978	2.951	4.7	20.3
11 7	2 10.28	− 1 23.5	2.006	2.956	6.6	20.5
11 17	2 3.78	− 1 46.6	2.060	2.961	9.5	20.7
11 27	1 58.78	− 1 51.6	2.140	2.966	12.3	20.8
12 7	1 55.71	− 1 38.9	2.240	2.971	14.7	21.0
204060 2003 UA_{263}			10 29.7	1°.25	2°.0/31.1	18
9 28	2 40.13	+20 28.6	1.598	2.458	14.9	20.0
10 8	2 34.70	+20 16.7	1.531	2.457	11.1	19.8
10 18	2 26.98	+19 49.1	1.486	2.457	6.7	19.5
10 28	2 17.90	+19 7.8	1.467	2.457	2.6	19.3
11 7	2 8.70	+18 17.8	1.475	2.457	4.0	19.4
11 17	2 0.58	+17 25.7	1.510	2.458	8.4	19.6
11 27	1 54.58	+16 38.9	1.570	2.459	12.5	19.9
12 7	1 51.29	+16 3.0	1.652	2.460	16.1	20.1
92030 1999 VX_{177}			10 29.7	324°.11	2°.9/26.9	18
9 28	2 35.47	+ 8 55.0	1.874	2.758	12.0	19.2
10 8	2 31.03	+ 7 42.7	1.805	2.748	8.5	19.0
10 18	2 24.82	+ 6 24.3	1.760	2.739	4.9	18.7
10 28	2 17.59	+ 5 6.0	1.742	2.730	3.0	18.6
11 7	2 10.24	+ 3 54.9	1.753	2.721	5.6	18.7
11 17	2 3.69	+ 2 57.3	1.791	2.713	9.3	19.0
11 27	1 58.76	+ 2 17.7	1.854	2.705	12.8	19.2
12 7	1 55.94	+ 1 57.8	1.937	2.697	15.8	19.4
262460 2006 UX_{128}			10 29.7	70°.61	0°.6/30.1	18
9 28	2 39.67	+17 13.4	1.842	2.704	13.1	21.1
10 8	2 33.99	+16 48.9	1.782	2.713	9.5	20.8
10 18	2 26.42	+16 13.1	1.747	2.722	5.4	20.6
10 28	2 17.81	+15 29.2	1.739	2.732	1.1	20.3
11 7	2 9.20	+14 42.2	1.759	2.741	3.5	20.6
11 17	2 1.59	+13 57.5	1.807	2.750	7.6	20.8
11 27	1 55.81	+13 20.5	1.882	2.760	11.3	21.1
12 7	1 52.34	+12 55.1	1.978	2.769	14.4	21.3
411987 2012 JG_{18}			10 29.7	280°.44	4°.1/25.9	17
9 28	2 37.30	+ 2 48.6	2.205	3.083	10.7	21.2
10 8	2 32.14	+ 1 58.3	2.131	3.068	7.8	21.0
10 18	2 25.38	+ 1 8.2	2.082	3.053	5.1	20.8
10 28	2 17.67	+ 0 23.4	2.062	3.038	4.2	20.8
11 7	2 9.82	− 0 11.1	2.069	3.023	6.2	20.9
11 17	2 2.63	− 0 31.6	2.105	3.008	9.2	21.0
11 27	1 56.86	− 0 35.6	2.165	2.993	12.1	21.2
12 7	1 52.99	− 0 22.9	2.247	2.978	14.7	21.3
154131 2002 EK_{102}			10 29.7	270°.60	1°.0/30.6	18
9 28	2 37.30	+19 47.6	2.172	3.023	11.9	20.1
10 8	2 32.24	+19 4.4	2.086	3.010	8.7	19.9
10 18	2 25.48	+18 7.7	2.025	2.997	5.1	19.6
10 28	2 17.69	+17 0.3	1.992	2.983	1.4	19.4
11 7	2 9.75	+15 47.3	1.988	2.970	3.1	19.5
11 17	2 2.53	+14 34.5	2.014	2.957	7.0	19.7
11 27	1 56.84	+13 28.5	2.067	2.943	10.5	19.9
12 7	1 53.20	+12 34.0	2.143	2.930	13.6	20.1

327576 2006 DE_{122} 10 29.7 255°.40 6°.8/22.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 28	2 36.65	− 7 19.9	2.423	3.290	10.2	20.6
10 8	2 31.52	− 8 30.0	2.363	3.279	8.2	20.4
10 18	2 24.97	− 9 32.7	2.329	3.268	6.9	20.3
10 28	2 17.61	−10 22.1	2.322	3.257	7.0	20.3
11 7	2 10.17	−10 53.5	2.342	3.246	8.5	20.4
11 17	2 3.38	−11 4.5	2.389	3.235	10.6	20.5
11 27	1 57.89	−10 54.5	2.458	3.223	12.7	20.6
12 7	1 54.13	−10 24.9	2.547	3.212	14.6	20.8

80665 2000 BD_{11} 10 29.7 263°.53 0°.8/29.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 43.58	+12 47.0	1.600	2.472	14.3	19.9
10 8	2 37.28	+12 34.5	1.521	2.458	10.3	19.6
10 18	2 28.50	+12 13.8	1.466	2.444	5.7	19.3
10 28	2 18.15	+11 47.9	1.437	2.430	1.0	19.0
11 7	2 7.46	+11 21.7	1.436	2.415	4.6	19.2
11 17	1 57.75	+11 0.3	1.462	2.401	9.5	19.5
11 27	1 50.16	+10 48.9	1.512	2.386	13.9	19.7
12 7	1 45.41	+10 50.9	1.584	2.371	17.6	19.9

198144 2004 TK_{46} 10 29.7 67°.40 0°.7/30.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 42.03	+17 13.2	1.530	2.398	15.0	20.4
10 8	2 35.93	+16 54.8	1.477	2.410	10.9	20.1
10 18	2 27.58	+16 23.6	1.447	2.423	6.2	19.9
10 28	2 17.99	+15 43.0	1.443	2.435	1.3	19.6
11 7	2 8.45	+14 58.4	1.466	2.448	4.0	19.8
11 17	2 0.15	+14 16.3	1.516	2.461	8.6	20.1
11 27	1 54.08	+13 42.8	1.591	2.473	12.8	20.4
12 7	1 50.73	+13 22.2	1.687	2.486	16.2	20.7

15705 Hautot 10 29.7 224°.43 3°.4/ 1.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 41.89	+24 59.6	1.754	2.591	14.8	17.9
10 8	2 35.93	+24 43.7	1.676	2.586	11.4	17.7
10 18	2 27.67	+24 8.4	1.620	2.580	7.5	17.4
10 28	2 18.02	+23 14.7	1.591	2.574	4.0	17.2
11 7	2 8.20	+22 7.0	1.589	2.568	4.3	17.2
11 17	1 59.40	+20 52.5	1.616	2.562	8.1	17.5
11 27	1 52.68	+19 39.9	1.668	2.555	12.0	17.7
12 7	1 48.65	+18 36.6	1.743	2.548	15.5	17.9

340988 2007 EM_{192} 10 29.7 49°.51 0°.8/30.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 43.72	+16 11.4	1.305	2.181	16.6	20.4
10 8	2 37.34	+16 10.0	1.261	2.198	12.0	20.1
10 18	2 28.40	+15 56.1	1.239	2.216	6.8	19.9
10 28	2 18.11	+15 32.7	1.242	2.235	1.4	19.6
11 7	2 7.95	+15 5.2	1.271	2.254	4.4	19.9
11 17	1 59.31	+14 39.6	1.326	2.273	9.4	20.2
11 27	1 53.22	+14 22.0	1.405	2.292	13.8	20.5
12 7	1 50.19	+14 16.3	1.504	2.312	17.4	20.8

259501 2003 SP_{277} 10 29.7 27°.40 5°.3/ 1.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 39.56	+26 5.0	0.942	1.817	21.5	19.3
10 8	2 35.20	+26 6.5	0.901	1.830	16.5	19.1
10 18	2 27.51	+25 37.6	0.879	1.844	11.0	18.8
10 28	2 17.99	+24 39.9	0.876	1.860	6.2	18.6
11 7	2 8.60	+23 22.0	0.896	1.877	6.2	18.7
11 17	2 1.13	+21 56.3	0.939	1.896	10.8	19.0
11 27	1 56.86	+20 36.8	1.003	1.915	15.6	19.4
12 7	1 56.27	+19 33.3	1.085	1.935	19.8	19.7

353694 2011 UO_{336} 10 29.7 50°.90 1°.7/28.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 39.44	+11 20.2	1.649	2.528	13.5	20.6
10 8	2 33.92	+10 40.5	1.597	2.538	9.6	20.4
10 18	2 26.41	+ 9 54.0	1.568	2.548	5.2	20.1
10 28	2 17.84	+ 9 5.9	1.566	2.558	1.7	19.9
11 7	2 9.29	+ 8 22.0	1.592	2.569	4.8	20.2
11 17	2 1.84	+ 7 47.9	1.645	2.579	9.0	20.4
11 27	1 56.33	+ 7 27.5	1.722	2.590	12.8	20.7
12 7	1 53.24	+ 7 22.9	1.821	2.601	15.9	20.9

344925 2004 TF_{32} 10 29.7 45°.50 1°.7/30.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 41.01	+19 42.5	1.406	2.273	16.1	21.0
10 8	2 35.40	+19 24.1	1.353	2.284	11.8	20.8
10 18	2 27.36	+18 49.3	1.322	2.295	7.0	20.5
10 28	2 17.98	+18 1.2	1.316	2.307	2.3	20.3
11 7	2 8.63	+17 6.0	1.337	2.319	4.1	20.4
11 17	2 0.62	+16 11.3	1.383	2.332	8.9	20.7
11 27	1 54.97	+15 24.7	1.455	2.345	13.2	21.0
12 7	1 52.21	+14 51.7	1.546	2.358	16.8	21.3

14409 1991 RM_{1} 10 29.7 76°.90 0°.0/29.6 18 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 46.36	+12 16.5	2.275	3.126	11.4	17.0
10 8	2 38.38	+12 45.1	2.221	3.147	8.1	16.8
10 18	2 28.73	+13 9.3	2.193	3.168	4.5	16.6
10 28	2 18.19	+13 29.7	2.196	3.189	0.6	16.3
11 7	2 7.69	+13 47.9	2.230	3.209	3.2	16.6
11 17	1 58.13	+14 5.8	2.294	3.230	6.7	16.9
11 27	1 50.25	+14 25.8	2.387	3.250	9.8	17.1
12 7	1 44.52	+14 49.9	2.504	3.270	12.4	17.3

123843 2001 CZ_{27} 10 29.7 141°.57 3°.2/ 1.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 28	2 40.99	+26 16.5	2.844	3.651	10.6	20.1
10 8	2 34.51	+26 27.1	2.772	3.662	8.2	19.9
10 18	2 26.60	+26 25.3	2.726	3.672	5.6	19.8
10 28	2 17.88	+26 11.5	2.708	3.682	3.5	19.6
11 7	2 9.11	+25 47.3	2.720	3.691	3.5	19.6
11 17	2 1.01	+25 15.8	2.763	3.700	5.6	19.8
11 27	1 54.26	+24 41.5	2.834	3.709	8.1	20.0
12 7	1 49.30	+24 8.4	2.930	3.717	10.3	20.1

155712 2000 QA_{175} 10 29.7 95°.35 3°.4/ 1.2 18 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 43.13	+24 8.7	1.655	2.496	15.4	19.9
10 8	2 36.74	+24 4.8	1.595	2.508	11.7	19.7
10 18	2 28.06	+23 42.4	1.558	2.519	7.6	19.5
10 28	2 18.10	+23 2.7	1.546	2.530	4.0	19.3
11 7	2 8.14	+22 10.3	1.562	2.541	4.4	19.4
11 17	1 59.39	+21 11.8	1.606	2.552	8.1	19.6
11 27	1 52.86	+20 15.4	1.675	2.563	11.9	19.9
12 7	1 49.09	+19 27.6	1.766	2.573	15.2	20.1

359770 2011 UZ_{126} 10 29.7 293°.74 1°.1/30.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 38.46	+19 12.0	1.843	2.702	13.3	21.0
10 8	2 33.31	+18 39.9	1.766	2.694	9.8	20.7
10 18	2 26.17	+17 53.6	1.713	2.686	5.7	20.5
10 28	2 17.84	+16 56.1	1.687	2.678	1.6	20.2
11 7	2 9.34	+15 52.7	1.688	2.670	3.5	20.3
11 17	2 1.73	+14 49.9	1.718	2.663	7.8	20.6
11 27	1 55.92	+13 54.5	1.774	2.655	11.7	20.8
12 7	1 52.47	+13 11.4	1.851	2.648	15.1	21.0

478866 2012 VN_{84} 10 29.7 340°.09 2°.3/30.9 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 36.98	+18 54.3	1.154	2.040	17.5	20.8
10 8	2 33.30	+19 3.3	1.082	2.022	13.1	20.5
10 18	2 26.62	+18 55.4	1.029	2.005	8.0	20.1
10 28	2 17.94	+18 31.8	0.999	1.990	2.9	19.8
11 7	2 8.78	+17 57.4	0.992	1.976	4.9	19.9
11 17	2 0.81	+17 19.5	1.009	1.964	10.5	20.2
11 27	1 55.48	+16 47.2	1.048	1.953	15.7	20.4
12 7	1 53.62	+16 27.4	1.104	1.944	20.2	20.7

148501 2001 MF_{18} 10 29.7 65°.79 5°.4/26.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 44.31	+ 3 7.6	1.322	2.210	15.6	19.2
10 8	2 37.40	+ 2 9.9	1.295	2.237	11.2	19.0
10 18	2 28.26	+ 1 15.4	1.291	2.265	7.1	18.9
10 28	2 18.11	+ 0 32.0	1.312	2.292	5.5	18.8
11 7	2 8.32	+ 0 5.8	1.360	2.319	8.0	19.1
11 17	2 0.10	+ 0 0.3	1.432	2.346	11.8	19.4
11 27	1 54.31	+ 0 15.8	1.528	2.373	15.3	19.6
12 7	1 51.32	+ 0 50.4	1.642	2.400	18.2	19.9

103412 2000 AS_{142} 10 29.7 273°.24 6°.9/23.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 38.08	− 2 25.6	1.842	2.723	12.2	19.0
10 8	2 32.92	− 3 51.0	1.780	2.712	9.4	18.8
10 18	2 25.90	− 5 12.2	1.743	2.701	7.3	18.7
10 28	2 17.80	− 6 21.0	1.733	2.690	7.1	18.7
11 7	2 9.59	− 7 10.5	1.749	2.678	9.1	18.8
11 17	2 2.21	− 7 36.2	1.791	2.667	12.0	18.9
11 27	1 56.52	− 7 36.8	1.855	2.656	14.9	19.1
12 7	1 53.05	− 7 13.8	1.938	2.645	17.4	19.3

97040 1999 UJ_{15} 10 29.7 179°.78 1°.2/28.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 43.23	+10 47.1	2.106	2.968	11.7	19.0
10 8	2 36.39	+10 36.7	2.037	2.969	8.3	18.8
10 18	2 27.76	+10 21.7	1.993	2.970	4.6	18.6
10 28	2 18.08	+10 5.0	1.978	2.970	1.2	18.3
11 7	2 8.31	+ 9 49.8	1.993	2.970	3.9	18.5
11 17	1 59.39	+ 9 39.7	2.038	2.970	7.7	18.8
11 27	1 52.14	+ 9 37.7	2.109	2.968	11.1	19.0
12 7	1 47.08	+ 9 45.8	2.203	2.967	14.0	19.2

332467 2008 DL_{53} 10 29.7 92°.72 2°.8/27.5 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 42.33	+10 24.2	1.538	2.417	14.3	21.1
10 8	2 35.91	+ 9 5.9	1.498	2.439	10.1	20.9
10 18	2 27.46	+ 7 41.3	1.482	2.461	5.6	20.7
10 28	2 18.03	+ 6 18.2	1.494	2.483	2.8	20.5
11 7	2 8.82	+ 5 4.7	1.533	2.503	5.9	20.8
11 17	2 0.92	+ 4 7.4	1.599	2.524	10.0	21.1
11 27	1 55.15	+ 3 30.3	1.690	2.544	13.7	21.4
12 7	1 51.95	+ 3 14.4	1.801	2.563	16.7	21.6

202215 2004 XT_{122} 10 29.7 233°.02 1°.3/28.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 40.69	+12 6.2	1.786	2.658	13.0	20.5
10 8	2 34.87	+11 33.6	1.717	2.655	9.3	20.3
10 18	2 27.03	+10 53.5	1.672	2.651	5.1	20.1
10 28	2 17.99	+10 10.0	1.654	2.647	1.3	19.8
11 7	2 8.84	+ 9 28.4	1.665	2.643	4.4	20.0
11 17	2 0.61	+ 8 54.1	1.703	2.638	8.7	20.3
11 27	1 54.24	+ 8 31.6	1.767	2.634	12.5	20.5
12 7	1 50.29	+ 8 23.6	1.852	2.629	15.8	20.7

124946 2001 TG_{83} 10 29.7 324°.42 3°.9/ 1.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 28	2 41.17	+23 40.5	1.408	2.264	16.8	19.6
10 8	2 35.91	+23 47.0	1.335	2.255	12.9	19.4
10 18	2 27.90	+23 33.6	1.283	2.248	8.4	19.1
10 28	2 18.14	+23 0.2	1.255	2.240	4.5	18.8
11 7	2 8.08	+22 11.0	1.253	2.233	5.0	18.9
11 17	1 59.19	+21 13.2	1.276	2.226	9.3	19.1
11 27	1 52.75	+20 16.3	1.324	2.220	13.8	19.3
12 7	1 49.48	+19 28.7	1.392	2.215	17.7	19.6

137143 1999 CT_{115} 10 29.7 224°.76 1°.4/28.4 18

9 28	2 38.23	+12 8.0	2.258	3.124	10.9	20.6
10 8	2 32.79	+11 15.9	2.181	3.116	7.7	20.4
10 18	2 25.76	+10 16.6	2.130	3.108	4.2	20.2
10 28	2 17.81	+ 9 14.3	2.108	3.100	1.4	20.0
11 7	2 9.75	+ 8 14.1	2.116	3.091	4.0	20.1
11 17	2 2.40	+ 7 21.2	2.153	3.081	7.6	20.4
11 27	1 56.49	+ 6 39.8	2.216	3.072	10.8	20.5
12 7	1 52.50	+ 6 12.7	2.303	3.061	13.6	20.7

49818 1999 XT_{58} 10 29.7 269°.15 0°.0/29.6 18

9 28	2 41.75	+15 54.1	1.569	2.439	14.6	19.4
10 8	2 36.07	+15 21.3	1.487	2.422	10.6	19.2
10 18	2 27.90	+14 35.0	1.427	2.405	6.0	18.8
10 28	2 18.15	+13 38.9	1.394	2.387	0.9	18.5
11 7	2 8.04	+12 39.1	1.388	2.369	4.4	18.7
11 17	1 58.90	+11 43.1	1.409	2.351	9.5	18.9
11 27	1 51.89	+10 58.3	1.455	2.333	14.1	19.2
12 7	1 47.72	+10 29.5	1.522	2.315	17.9	19.4

172095 2002 EP_{79} 10 29.7 202°.18 3°.1/31.8 18

9 28	2 44.08	+23 13.8	1.550	2.397	16.0	20.5
10 8	2 37.72	+23 4.6	1.478	2.395	12.1	20.3
10 18	2 28.78	+22 36.1	1.428	2.393	7.7	20.0
10 28	2 18.27	+21 49.4	1.404	2.390	3.7	19.8
11 7	2 7.57	+20 49.3	1.406	2.387	4.5	19.8
11 17	1 58.07	+19 43.3	1.436	2.383	8.8	20.1
11 27	1 50.91	+18 40.4	1.492	2.380	13.1	20.3
12 7	1 46.76	+17 48.3	1.568	2.375	16.8	20.6

329016 2011 AO_2 10 29.7 209°.21 3°.2/ 2.0 17

9 28	2 38.80	+26 32.0	2.639	3.453	11.1	21.2
10 8	2 33.14	+26 27.1	2.555	3.449	8.6	21.0
10 18	2 25.95	+26 8.5	2.495	3.445	5.9	20.8
10 28	2 17.85	+25 36.5	2.464	3.440	3.6	20.7
11 7	2 9.63	+24 53.6	2.461	3.435	3.6	20.7
11 17	2 2.07	+24 3.7	2.489	3.430	5.9	20.8
11 27	1 55.89	+23 11.9	2.544	3.425	8.7	21.0
12 7	1 51.55	+22 23.2	2.625	3.419	11.2	21.2

396023 2013 CF_2 10 29.7 92°.03 0°.0/29.6 18

9 28	2 38.86	+16 24.2	1.858	2.723	12.9	20.9
10 8	2 33.45	+15 40.8	1.794	2.727	9.3	20.7
10 18	2 26.19	+14 45.9	1.755	2.731	5.1	20.4
10 28	2 17.89	+13 43.8	1.742	2.736	0.7	20.1
11 7	2 9.55	+12 40.2	1.759	2.740	3.7	20.4
11 17	2 2.17	+11 41.5	1.803	2.744	7.9	20.6
11 27	1 56.56	+10 53.3	1.874	2.748	11.6	20.9
12 7	1 53.22	+10 19.3	1.966	2.752	14.7	21.1

4423 Golden 10 29.7 84°.90 2°.8/26.4 18

9 28	2 34.88	+ 7 30.3	2.491	3.366	9.7	16.9
10 8	2 30.17	+ 6 10.8	2.435	3.374	6.8	16.7
10 18	2 24.21	+ 4 48.4	2.406	3.382	4.0	16.5
10 28	2 17.59	+ 3 28.4	2.406	3.390	2.9	16.5
11 7	2 10.99	+ 2 16.1	2.437	3.398	4.8	16.6
11 17	2 5.06	+ 1 16.1	2.496	3.405	7.6	16.8
11 27	2 0.36	+ 0 31.5	2.582	3.413	10.3	17.0
12 7	1 57.29	+ 0 3.4	2.691	3.421	12.5	17.2

347056 2010 EZ_{138} 10 29.7 207°.71 6°.7/24.1 18

9 28	2 40.19	− 3 29.6	1.957	2.831	12.0	20.6
10 8	2 34.28	− 4 38.8	1.901	2.828	9.2	20.5
10 18	2 26.62	− 5 42.1	1.869	2.824	7.1	20.3
10 28	2 17.96	− 6 32.3	1.865	2.820	6.8	20.3
11 7	2 9.25	− 7 4.0	1.888	2.816	8.7	20.4
11 17	2 1.41	− 7 14.0	1.937	2.811	11.4	20.6
11 27	1 55.24	− 7 1.4	2.009	2.806	14.1	20.8
12 7	1 51.22	− 6 28.3	2.100	2.800	16.4	20.9

451979 2014 NY_{43} 10 29.7 82°.24 2°.4/ 1.1 18

9 28	2 38.06	+24 14.7	2.150	2.985	12.6	21.2
10 8	2 32.71	+23 38.2	2.085	2.995	9.5	21.0
10 18	2 25.70	+22 46.0	2.044	3.006	6.0	20.8
10 28	2 17.82	+21 40.5	2.031	3.016	2.9	20.6
11 7	2 9.96	+20 26.5	2.046	3.027	3.3	20.7
11 17	2 3.00	+19 10.2	2.092	3.037	6.5	20.9
11 27	1 57.65	+17 58.2	2.164	3.048	9.8	21.1
12 7	1 54.37	+16 55.9	2.261	3.058	12.6	21.3

214054 2004 FY_{37} 10 29.7 169°.31 0°.8/30.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 28	2 41.10	+17 8.5	2.103	2.957	12.1	21.3
10 8	2 34.95	+16 59.8	2.033	2.959	8.8	21.1
10 18	2 27.01	+16 41.4	1.987	2.960	5.1	20.9
10 28	2 18.02	+16 15.4	1.969	2.962	1.2	20.6
11 7	2 8.94	+15 45.2	1.981	2.963	3.2	20.8
11 17	2 0.70	+15 15.1	2.022	2.963	7.1	21.0
11 27	1 54.11	+14 49.7	2.089	2.964	10.5	21.2
12 7	1 49.70	+14 32.6	2.180	2.964	13.5	21.4

215018 2008 YS_{51} 10 29.7 120°.00 2°.1/31.0 17

9 28	2 45.79	+20 18.1	1.381	2.241	16.8	21.3
10 8	2 38.97	+20 8.1	1.324	2.251	12.4	21.1
10 18	2 29.44	+19 40.6	1.289	2.260	7.5	20.9
10 28	2 18.38	+18 57.8	1.278	2.268	2.7	20.6
11 7	2 7.31	+18 5.4	1.295	2.277	4.4	20.7
11 17	1 57.68	+17 11.3	1.338	2.285	9.3	21.0
11 27	1 50.65	+16 23.9	1.406	2.293	13.8	21.3
12 7	1 46.80	+15 49.4	1.494	2.300	17.6	21.6

172350 2002 VN_{123} 10 29.7 4°.47 7°.9/ 2.6 18

9 28	2 44.15	+28 37.8	1.331	2.169	18.6	18.7
10 8	2 38.41	+30 3.5	1.268	2.168	15.1	18.4
10 18	2 29.47	+31 7.9	1.226	2.169	11.3	18.2
10 28	2 18.42	+31 45.8	1.206	2.171	8.5	18.1
11 7	2 6.95	+31 55.9	1.211	2.174	8.3	18.1
11 17	1 56.81	+31 42.6	1.240	2.178	10.8	18.2
11 27	1 49.50	+31 14.8	1.291	2.184	14.4	18.5
12 7	1 45.86	+30 42.8	1.363	2.191	17.8	18.7

215324 2001 TP_{198} 10 29.7 2°.87 2°.8/27.8 18

9 28	2 38.94	+ 8 9.5	1.638	2.522	13.3	20.0
10 8	2 33.69	+ 7 34.9	1.579	2.522	9.5	19.7
10 18	2 26.40	+ 6 56.7	1.543	2.522	5.4	19.5
10 28	2 17.94	+ 6 20.0	1.533	2.522	2.8	19.3
11 7	2 9.41	+ 5 50.4	1.551	2.523	5.6	19.5
11 17	2 1.88	+ 5 32.4	1.595	2.524	9.6	19.8
11 27	1 56.27	+ 5 29.5	1.663	2.526	13.4	20.0
12 7	1 53.10	+ 5 42.7	1.751	2.528	16.6	20.2

442807 2013 AQ_{28} 10 29.7 271°.03 6°.5/24.9 18

9 28	2 41.89	− 3 31.5	1.948	2.819	12.1	21.1
10 8	2 35.67	− 4 17.1	1.874	2.800	9.4	20.9
10 18	2 27.50	− 4 56.5	1.823	2.780	7.1	20.7
10 28	2 18.12	− 5 23.7	1.800	2.760	6.6	20.7
11 7	2 8.51	− 5 33.3	1.805	2.740	8.5	20.8
11 17	1 59.69	− 5 22.4	1.836	2.719	11.4	20.9
11 27	1 52.56	− 4 50.4	1.891	2.698	14.4	21.1
12 7	1 47.70	− 3 59.0	1.965	2.677	17.1	21.2

38896 2000 SB_{153} 10 29.7 40°.57 0°.0/29.6 18 R

9 28	2 40.65	+15 37.7	1.322	2.203	16.1	19.0
10 8	2 35.19	+15 8.4	1.276	2.216	11.5	18.8
10 18	2 27.28	+14 26.6	1.250	2.229	6.4	18.5
10 28	2 18.07	+13 36.9	1.250	2.243	0.9	18.2
11 7	2 8.94	+12 46.5	1.276	2.258	4.5	18.5
11 17	2 1.20	+12 2.5	1.328	2.273	9.5	18.8
11 27	1 55.85	+11 31.1	1.403	2.289	13.9	19.1
12 7	1 53.39	+11 15.9	1.498	2.305	17.5	19.4

135315 2001 SM_{277} 10 29.7 336°.37 4°.0/ 2.5 17

9 28	2 36.63	+27 53.2	2.191	3.012	12.8	19.4
10 8	2 31.89	+27 46.5	2.108	3.004	10.1	19.2
10 18	2 25.38	+27 22.4	2.049	2.997	7.1	19.0
10 28	2 17.80	+26 41.5	2.015	2.990	4.5	18.8
11 7	2 10.07	+25 46.8	2.010	2.983	4.3	18.8
11 17	2 3.10	+24 43.4	2.032	2.977	6.8	18.9
11 27	1 57.72	+23 37.7	2.082	2.971	9.9	19.1
12 7	1 54.46	+22 36.2	2.156	2.966	12.7	19.3

401 Ottilia 10 29.7 57°.21 0°.0/29.6 18

9 28	2 37.94	+14 41.5	2.422	3.281	10.5	14.4
10 8	2 32.49	+14 29.6	2.353	3.283	7.5	14.2
10 18	2 25.58	+14 11.1	2.310	3.286	4.2	14.0
10 28	2 17.83	+13 48.1	2.295	3.288	0.6	13.7
11 7	2 10.02	+13 23.7	2.310	3.291	3.0	13.9
11 17	2 2.89	+13 1.4	2.355	3.294	6.4	14.1
11 27	1 57.13	+12 44.4	2.426	3.296	9.4	14.3
12 7	1 53.18	+12 35.6	2.521	3.299	12.0	14.5

19151 1990 KD_1 10 29.7 229°.98 3°.4/26.7 18

9 28	2 38.70	+ 8 13.8	1.851	2.730	12.3	18.3
10 8	2 33.37	+ 6 51.8	1.783	2.724	8.8	18.0
10 18	2 26.18	+ 5 23.9	1.740	2.717	5.1	17.8
10 28	2 17.92	+ 3 57.0	1.726	2.711	3.4	17.7
11 7	2 9.57	+ 2 38.7	1.740	2.704	6.1	17.8
11 17	2 2.09	+ 1 35.6	1.782	2.697	9.8	18.0
11 27	1 56.32	+ 0 52.3	1.848	2.689	13.3	18.3
12 7	1 52.79	+ 0 30.2	1.935	2.682	16.2	18.5

71115 1999 XW_{156} 10 29.7 259°.36 2°.1/31.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 28	2 37.40	+22 53.2	2.270	3.108	11.9	19.0
10 8	2 32.28	+22 23.4	2.191	3.104	8.9	18.8
10 18	2 25.52	+21 39.4	2.137	3.101	5.6	18.6
10 28	2 17.82	+20 43.1	2.110	3.097	2.5	18.3
11 7	2 10.04	+19 38.8	2.112	3.093	3.2	18.4
11 17	2 3.00	+18 31.7	2.144	3.090	6.4	18.6
11 27	1 57.46	+17 28.0	2.204	3.086	9.7	18.8
12 7	1 53.91	+16 32.8	2.287	3.082	12.6	19.0

277407 2005 UZ_{205} 10 29.7 191°.98 1°.4/28.7 18

9 28	2 43.20	+11 10.1	1.948	2.814	12.4	21.6
10 8	2 36.54	+10 45.8	1.878	2.813	8.8	21.4
10 18	2 27.93	+10 15.6	1.833	2.811	4.9	21.2
10 28	2 18.20	+ 9 43.1	1.816	2.808	1.4	20.9
11 7	2 8.35	+ 9 12.7	1.829	2.805	4.3	21.1
11 17	1 59.40	+ 8 48.9	1.870	2.802	8.3	21.4
11 27	1 52.24	+ 8 35.3	1.938	2.798	11.9	21.6
12 7	1 47.41	+ 8 34.4	2.028	2.793	15.0	21.8

210867 2001 RM_{99} 10 29.7 58°.58 2°.6/27.6 18

9 28	2 38.74	+ 8 54.7	1.787	2.667	12.6	20.2
10 8	2 33.36	+ 8 3.9	1.732	2.673	8.9	20.0
10 18	2 26.14	+ 7 8.8	1.701	2.679	5.0	19.8
10 28	2 17.92	+ 6 14.6	1.697	2.686	2.6	19.7
11 7	2 9.71	+ 5 27.4	1.721	2.692	5.3	19.9
11 17	2 2.46	+ 4 52.3	1.773	2.699	9.1	20.1
11 27	1 56.98	+ 4 32.7	1.849	2.705	12.6	20.3
12 7	1 53.76	+ 4 30.0	1.946	2.712	15.5	20.6

215334 2001 UN_{165} 10 29.7 3°.59 4°.5/27.2 18

9 28	2 40.71	+ 3 5.6	1.474	2.362	14.3	19.6
10 8	2 35.12	+ 2 47.8	1.419	2.362	10.4	19.4
10 18	2 27.26	+ 2 32.5	1.387	2.362	6.5	19.2
10 28	2 18.10	+ 2 25.1	1.380	2.363	4.5	19.1
11 7	2 8.87	+ 2 30.3	1.399	2.365	7.0	19.2
11 17	2 0.79	+ 2 50.7	1.444	2.367	11.0	19.5
11 27	1 54.83	+ 3 27.4	1.512	2.371	14.7	19.7
12 7	1 51.57	+ 4 19.3	1.600	2.375	17.9	19.9

441888 2010 CY_{155} 10 29.7 113°.85 4°.6/ 2.5 18

9 28	2 45.39	+28 7.0	2.017	2.828	14.2	21.9
10 8	2 38.13	+28 24.8	1.956	2.845	11.1	21.7
10 18	2 28.80	+28 24.7	1.918	2.861	7.8	21.6
10 28	2 18.32	+28 5.9	1.907	2.877	5.2	21.4
11 7	2 7.83	+27 31.0	1.924	2.893	5.0	21.4
11 17	1 58.44	+26 45.1	1.970	2.908	7.4	21.6
11 27	1 51.05	+25 55.1	2.042	2.923	10.5	21.8
12 7	1 46.20	+25 7.8	2.139	2.937	13.2	22.1

323626 2004 VM_{72} 10 29.7 33°.38 2°.3/28.1 18

9 28	2 39.38	+ 8 18.1	1.754	2.634	12.8	19.8
10 8	2 33.81	+ 7 57.0	1.704	2.645	9.1	19.6
10 18	2 26.38	+ 7 33.1	1.678	2.657	5.1	19.4
10 28	2 17.96	+ 7 10.7	1.680	2.670	2.3	19.2
11 7	2 9.58	+ 6 54.0	1.709	2.683	4.9	19.4
11 17	2 2.22	+ 6 46.7	1.765	2.696	8.8	19.7
11 27	1 56.68	+ 6 51.4	1.846	2.710	12.2	19.9
12 7	1 53.43	+ 7 9.1	1.949	2.724	15.2	20.2

304315 2006 SU_{164} 10 29.7 174°.21 0°.3/30.0 18

9 28	2 39.06	+17 31.6	2.122	2.977	11.9	20.9
10 8	2 33.46	+16 49.4	2.051	2.979	8.6	20.7
10 18	2 26.17	+15 56.0	2.005	2.980	4.9	20.5
10 28	2 17.94	+14 54.8	1.988	2.981	0.9	20.2
11 7	2 9.65	+13 50.7	2.000	2.982	3.3	20.4
11 17	2 2.20	+12 49.6	2.042	2.982	7.1	20.6
11 27	1 56.33	+11 56.9	2.110	2.982	10.6	20.9
12 7	1 52.54	+11 16.5	2.202	2.982	13.5	21.1

219945 2002 GN_{150} 10 29.7 104°.86 0°.4/30.1 18

9 28	2 38.53	+16 55.2	2.237	3.093	11.4	20.8
10 8	2 32.99	+16 30.7	2.172	3.100	8.2	20.6
10 18	2 25.88	+15 57.0	2.133	3.107	4.6	20.4
10 28	2 17.90	+15 16.7	2.122	3.114	0.9	20.1
11 7	2 9.90	+14 33.7	2.140	3.121	3.0	20.3
11 17	2 2.69	+13 52.6	2.187	3.128	6.6	20.6
11 27	1 56.99	+13 17.7	2.262	3.135	9.9	20.8
12 7	1 53.24	+12 52.5	2.360	3.142	12.6	21.0

39425 3240 $T\text{-}_2$ 10 29.7 32°.23 1°.0/28.9 18

9 28	2 38.36	+12 43.7	1.865	2.738	12.5	18.9
10 8	2 33.08	+12 14.5	1.806	2.744	8.9	18.7
10 18	2 26.00	+11 38.1	1.771	2.749	4.8	18.4
10 28	2 17.92	+10 58.5	1.763	2.755	1.0	18.2
11 7	2 9.81	+10 20.4	1.783	2.762	4.0	18.4
11 17	2 2.62	+ 9 48.7	1.831	2.769	8.0	18.7
11 27	1 57.15	+ 9 27.5	1.905	2.775	11.6	18.9
12 7	1 53.89	+ 9 19.2	2.000	2.783	14.6	19.1

342638 2008 UW_{355} 10 29.7 234°.46 2°.7/ 1.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 28	2 40.93	+24 53.8	2.173	3.000	12.7	21.4
10 8	2 34.97	+24 25.4	2.082	2.987	9.7	21.2
10 18	2 27.12	+23 39.9	2.014	2.973	6.4	21.0
10 28	2 18.10	+22 38.7	1.975	2.959	3.3	20.8
11 7	2 8.89	+21 25.7	1.965	2.944	3.6	20.8
11 17	2 0.46	+20 7.0	1.984	2.929	7.0	20.9
11 27	1 53.70	+18 49.9	2.032	2.913	10.5	21.1
12 7	1 49.18	+17 41.1	2.103	2.896	13.6	21.3

28814 2000 JA_{17} 10 29.7 44°.68 4°.9/26.1 18

9 28	2 38.52	+ 4 39.7	1.483	2.374	14.0	17.7
10 8	2 33.27	+ 3 22.6	1.451	2.395	10.0	17.6
10 18	2 26.07	+ 2 6.1	1.442	2.417	6.3	17.4
10 28	2 17.92	+ 0 58.5	1.459	2.439	5.0	17.4
11 7	2 9.96	+ 0 7.1	1.502	2.461	7.5	17.6
11 17	2 3.23	− 0 23.7	1.571	2.484	11.0	17.8
11 27	1 58.52	− 0 32.1	1.663	2.507	14.4	18.1
12 7	1 56.24	− 0 19.2	1.774	2.530	17.1	18.4

299201 2005 GN_{222} 10 29.7 50°.97 2°.4/27.9 18

9 28	2 38.67	+10 15.3	1.688	2.568	13.2	20.5
10 8	2 33.40	+ 9 19.4	1.633	2.575	9.3	20.2
10 18	2 26.20	+ 8 17.3	1.602	2.582	5.2	20.0
10 28	2 17.96	+ 7 15.0	1.599	2.589	2.4	19.8
11 7	2 9.72	+ 6 19.0	1.623	2.596	5.2	20.1
11 17	2 2.51	+ 5 35.2	1.674	2.603	9.3	20.3
11 27	1 57.16	+ 5 7.7	1.749	2.610	12.9	20.6
12 7	1 54.17	+ 4 58.2	1.846	2.618	16.0	20.8

30228 2000 GO_{141} 10 29.7 15°.66 4°.5/27.4 18

9 28	2 41.45	+ 3 16.7	1.410	2.300	14.7	17.4
10 8	2 35.67	+ 3 1.2	1.361	2.304	10.7	17.2
10 18	2 27.56	+ 2 48.3	1.334	2.309	6.6	16.9
10 28	2 18.16	+ 2 43.3	1.332	2.316	4.5	16.8
11 7	2 8.77	+ 2 50.8	1.356	2.323	7.0	17.0
11 17	2 0.61	+ 3 13.3	1.406	2.331	11.1	17.3
11 27	1 54.69	+ 3 51.8	1.478	2.339	14.9	17.5
12 7	1 51.54	+ 4 44.9	1.571	2.349	18.1	17.8

119244 2001 QL_{290} 10 29.7 359°.18 0°.5/29.4 18

9 28	2 37.33	+14 42.3	1.075	1.972	17.6	19.6
10 8	2 33.42	+14 15.8	1.019	1.968	12.7	19.3
10 18	2 26.61	+13 35.1	0.984	1.966	7.0	19.0
10 28	2 18.05	+12 45.7	0.971	1.965	1.0	18.6
11 7	2 9.32	+11 55.8	0.982	1.965	5.3	18.9
11 17	2 2.01	+11 14.1	1.016	1.967	11.1	19.2
11 27	1 57.39	+10 48.1	1.072	1.970	16.2	19.5
12 7	1 56.08	+10 41.4	1.145	1.974	20.4	19.8

71464 2000 BB_7 10 29.7 235°.22 0°.6/30.2 18

9 28	2 41.71	+15 30.8	2.383	3.234	10.9	18.9
10 8	2 35.30	+15 43.1	2.305	3.230	7.9	18.7
10 18	2 27.22	+15 48.9	2.253	3.226	4.5	18.5
10 28	2 18.13	+15 49.0	2.230	3.222	1.0	18.2
11 7	2 8.88	+15 45.7	2.237	3.218	3.0	18.4
11 17	2 0.32	+15 41.6	2.274	3.214	6.5	18.6
11 27	1 53.21	+15 39.9	2.338	3.209	9.7	18.8
12 7	1 48.09	+15 43.6	2.427	3.205	12.4	19.0

90454 2004 CV 10 29.7 194°.55 3°.5/26.8 18

9 28	2 41.61	+ 6 51.6	1.891	2.766	12.3	19.7
10 8	2 35.40	+ 5 45.3	1.826	2.764	8.8	19.5
10 18	2 27.31	+ 4 35.2	1.786	2.761	5.2	19.3
10 28	2 18.14	+ 3 27.6	1.774	2.758	3.5	19.2
11 7	2 8.90	+ 2 29.1	1.791	2.754	6.0	19.3
11 17	2 0.57	+ 1 45.1	1.836	2.749	9.7	19.5
11 27	1 54.01	+ 1 19.2	1.906	2.744	13.1	19.8
12 7	1 49.72	+ 1 12.3	1.996	2.738	16.0	20.0

407518 2010 VQ_{136} 10 29.7 155°.91 1°.5/31.3 18

9 28	2 37.94	+21 23.8	2.313	3.155	11.5	21.4
10 8	2 32.59	+20 48.0	2.240	3.158	8.5	21.2
10 18	2 25.68	+19 59.3	2.193	3.160	5.2	21.0
10 28	2 17.90	+19 0.1	2.173	3.163	1.9	20.8
11 7	2 10.08	+17 54.8	2.183	3.165	3.0	20.9
11 17	2 3.04	+16 48.7	2.223	3.167	6.3	21.1
11 27	1 57.46	+15 47.6	2.290	3.169	9.6	21.3
12 7	1 53.82	+14 55.9	2.382	3.170	12.3	21.5

482912 2014 HW_{51} 10 29.7 167°.94 1°.2/28.9 18

9 28	2 41.05	+11 48.5	1.798	2.669	12.9	21.9
10 8	2 35.13	+11 24.0	1.733	2.670	9.2	21.6
10 18	2 27.21	+10 52.7	1.692	2.670	5.1	21.4
10 28	2 18.15	+10 18.6	1.678	2.671	1.3	21.1
11 7	2 8.99	+ 9 46.5	1.693	2.671	4.3	21.4
11 17	2 0.79	+ 9 21.0	1.735	2.671	8.5	21.6
11 27	1 54.44	+ 9 6.4	1.803	2.671	12.3	21.8
12 7	1 50.48	+ 9 4.9	1.893	2.671	15.4	22.1

515344 2013 BC_{15} 10 29.7 342°.46 5°.7/25.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 28	2 39.15	+ 0 54.6	1.670	2.555	13.1	21.1
10 8	2 33.81	− 0 7.2	1.614	2.553	9.7	20.9
10 18	2 26.49	− 1 6.1	1.582	2.551	6.7	20.7
10 28	2 18.04	− 1 55.1	1.577	2.549	5.8	20.7
11 7	2 9.53	− 2 27.7	1.598	2.547	8.1	20.8
11 17	2 2.02	− 2 40.0	1.644	2.546	11.4	21.0
11 27	1 56.37	− 2 30.3	1.714	2.545	14.6	21.2
12 7	1 53.10	− 2 0.1	1.803	2.544	17.4	21.4

435486 2008 GD_{6} 10 29.7 279°.83 3°.5/27.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 42.74	+ 7 26.5	1.446	2.330	14.8	21.5
10 8	2 36.90	+ 6 47.9	1.371	2.313	10.7	21.2
10 18	2 28.47	+ 6 4.6	1.318	2.296	6.2	20.9
10 28	2 18.36	+ 5 22.9	1.291	2.279	3.5	20.7
11 7	2 7.90	+ 4 49.4	1.291	2.262	6.6	20.8
11 17	1 58.46	+ 4 30.3	1.316	2.244	11.4	21.1
11 27	1 51.26	+ 4 29.8	1.365	2.227	15.8	21.3
12 7	1 47.03	+ 4 49.0	1.432	2.210	19.6	21.5

437208 2012 WD_{11} 10 29.7 50°.34 2°.0/28.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 41.49	+11 1.6	1.364	2.249	15.4	20.5
10 8	2 35.62	+10 21.8	1.325	2.268	10.9	20.3
10 18	2 27.47	+ 9 35.2	1.308	2.288	5.9	20.0
10 28	2 18.17	+ 8 47.8	1.316	2.308	2.0	19.9
11 7	2 9.05	+ 8 6.5	1.351	2.328	5.4	20.1
11 17	2 1.32	+ 7 37.0	1.412	2.348	10.0	20.4
11 27	1 55.90	+ 7 23.3	1.496	2.369	14.0	20.7
12 7	1 53.24	+ 7 26.6	1.600	2.390	17.3	21.0

159583 2001 XK_{50} 10 29.7 310°.89 0°.7/29.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 39.78	+14 5.8	1.391	2.273	15.4	19.6
10 8	2 34.92	+13 38.1	1.313	2.254	11.1	19.3
10 18	2 27.43	+12 58.3	1.256	2.236	6.2	19.0
10 28	2 18.21	+12 10.7	1.225	2.218	1.0	18.6
11 7	2 8.60	+11 21.8	1.219	2.200	4.9	18.9
11 17	2 0.01	+10 39.0	1.239	2.183	10.3	19.1
11 27	1 53.69	+10 9.3	1.283	2.166	15.1	19.4
12 7	1 50.38	+ 9 57.0	1.345	2.150	19.2	19.6

330626 2008 EW_{54} 10 29.7 118°.45 0°.5/30.1 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 45.93	+16 12.8	1.779	2.635	13.8	21.2
10 8	2 38.49	+16 1.1	1.726	2.653	10.0	21.0
10 18	2 28.99	+15 39.2	1.696	2.671	5.6	20.8
10 28	2 18.40	+15 9.5	1.695	2.688	1.1	20.6
11 7	2 7.90	+14 36.5	1.723	2.704	3.7	20.8
11 17	1 58.58	+14 5.3	1.780	2.720	8.0	21.1
11 27	1 51.35	+13 40.9	1.863	2.735	11.7	21.3
12 7	1 46.68	+13 27.0	1.968	2.750	14.8	21.6

98441 2000 UW_{54} 10 29.7 157°.10 6°.1/26.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 44.26	− 2 8.5	1.719	2.593	13.3	18.0
10 8	2 37.38	− 2 38.4	1.664	2.594	10.1	17.8
10 18	2 28.43	− 3 1.3	1.633	2.596	7.1	17.7
10 28	2 18.33	− 3 11.5	1.628	2.597	6.2	17.6
11 7	2 8.22	− 3 4.8	1.651	2.598	8.2	17.7
11 17	1 59.18	− 2 39.1	1.701	2.598	11.3	17.9
11 27	1 52.13	− 1 54.8	1.774	2.599	14.5	18.1
12 7	1 47.59	− 0 54.0	1.868	2.600	17.2	18.3

107549 2001 DU_{72} 10 29.7 293°.08 0°.7/30.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 40.02	+17 27.3	1.666	2.532	14.1	20.1
10 8	2 34.76	+17 4.7	1.584	2.516	10.3	19.9
10 18	2 27.20	+16 28.7	1.524	2.499	6.0	19.6
10 28	2 18.18	+15 42.0	1.490	2.483	1.3	19.2
11 7	2 8.84	+14 49.7	1.485	2.467	3.9	19.4
11 17	2 0.40	+13 58.5	1.506	2.451	8.7	19.6
11 27	1 53.93	+13 15.2	1.552	2.435	13.0	19.8
12 7	1 50.12	+12 45.0	1.619	2.419	16.7	20.1

224894 2007 CT_{21} 10 29.7 340°.83 0°.3/29.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 39.33	+17 19.0	1.306	2.186	16.3	19.9
10 8	2 34.56	+16 40.7	1.241	2.181	11.9	19.6
10 18	2 27.16	+15 45.9	1.198	2.176	6.7	19.3
10 28	2 18.17	+14 39.1	1.179	2.172	1.2	18.9
11 7	2 9.01	+13 28.2	1.185	2.168	4.6	19.1
11 17	2 1.08	+12 22.5	1.217	2.165	10.0	19.5
11 27	1 55.56	+11 30.3	1.272	2.162	14.8	19.7
12 7	1 53.08	+10 56.8	1.347	2.160	18.8	20.0

116769 2004 EN_{14} 10 29.7 73°.78 4°.8/26.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 41.67	+ 5 0.1	1.409	2.297	14.8	19.3
10 8	2 35.73	+ 3 53.4	1.366	2.310	10.6	19.1
10 18	2 27.55	+ 2 46.2	1.346	2.322	6.6	18.9
10 28	2 18.20	+ 1 46.5	1.353	2.335	4.9	18.8
11 7	2 8.98	+ 1 1.8	1.385	2.347	7.6	19.0
11 17	2 1.06	+ 0 37.1	1.443	2.360	11.5	19.3
11 27	1 55.38	+ 0 34.6	1.523	2.372	15.2	19.5
12 7	1 52.40	+ 0 53.4	1.623	2.384	18.3	19.8

516733 2009 EC_{7} 10 29.7 264°.19 7°.9/22.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 28	2 39.27	− 6 9.6	1.872	2.746	12.4	21.5
10 8	2 33.80	− 7 30.3	1.812	2.735	9.9	21.3
10 18	2 26.48	− 8 43.0	1.778	2.723	8.2	21.2
10 28	2 18.07	− 9 39.8	1.769	2.712	8.2	21.2
11 7	2 9.54	−10 14.3	1.787	2.701	10.0	21.3
11 17	2 1.87	−10 23.2	1.829	2.689	12.6	21.4
11 27	1 55.89	−10 6.1	1.893	2.677	15.3	21.6
12 7	1 52.14	− 9 25.5	1.976	2.665	17.6	21.7

299169 2005 GR_{37} 10 29.7 265°.94 2°.6/31.8 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 41.51	+22 57.5	2.069	2.905	12.9	21.3
10 8	2 35.61	+22 46.3	1.970	2.882	9.9	21.0
10 18	2 27.62	+22 19.8	1.896	2.858	6.3	20.8
10 28	2 18.26	+21 38.7	1.848	2.834	3.1	20.5
11 7	2 8.55	+20 46.1	1.830	2.810	3.7	20.5
11 17	1 59.55	+19 47.4	1.840	2.785	7.4	20.7
11 27	1 52.24	+18 49.4	1.878	2.760	11.2	20.9
12 7	1 47.30	+17 58.4	1.939	2.734	14.5	21.0

469153 2015 GP_{21} 10 29.7 128°.52 1°.3/28.8 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 42.80	+12 37.6	1.816	2.683	13.1	22.0
10 8	2 36.23	+11 54.9	1.761	2.696	9.3	21.8
10 18	2 27.75	+11 4.4	1.731	2.709	5.0	21.6
10 28	2 18.26	+10 11.0	1.729	2.721	1.3	21.3
11 7	2 8.83	+ 9 20.1	1.756	2.733	4.3	21.6
11 17	2 0.47	+ 8 37.4	1.811	2.744	8.4	21.9
11 27	1 54.02	+ 8 7.2	1.892	2.755	12.1	22.1
12 7	1 49.95	+ 7 52.0	1.995	2.765	15.1	22.3

516029 2015 SA_{24} 10 29.7 329°.11 1°.3/28.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 37.17	+14 22.0	1.809	2.682	12.8	21.4
10 8	2 32.35	+13 5.7	1.741	2.680	9.1	21.2
10 18	2 25.68	+11 37.9	1.698	2.678	4.9	20.9
10 28	2 17.96	+10 4.7	1.683	2.675	1.3	20.7
11 7	2 10.19	+ 8 33.8	1.697	2.673	4.5	20.9
11 17	2 3.32	+ 7 12.9	1.738	2.671	8.7	21.1
11 27	1 58.18	+ 6 8.2	1.805	2.670	12.4	21.4
12 7	1 55.28	+ 5 23.0	1.894	2.668	15.6	21.6

125718 Jemasalomon 10 29.7 36°.45 3°.0/31.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 41.94	+21 57.3	1.369	2.231	16.8	18.8
10 8	2 36.31	+21 56.6	1.313	2.238	12.6	18.6
10 18	2 28.07	+21 37.3	1.278	2.246	7.9	18.3
10 28	2 18.33	+21 0.8	1.267	2.255	3.6	18.1
11 7	2 8.54	+20 12.4	1.282	2.264	4.5	18.2
11 17	2 0.10	+19 19.7	1.323	2.273	9.0	18.5
11 27	1 54.15	+18 31.2	1.388	2.283	13.4	18.8
12 7	1 51.25	+17 53.7	1.474	2.294	17.1	19.1

327505 2006 AF_{78} 10 29.7 208°.32 0°.2/29.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 37.27	+16 19.9	2.928	3.777	9.2	22.0
10 8	2 31.89	+15 52.8	2.847	3.771	6.6	21.9
10 18	2 25.26	+15 18.4	2.791	3.765	3.7	21.7
10 28	2 17.91	+14 38.7	2.766	3.758	0.7	21.4
11 7	2 10.46	+13 57.0	2.771	3.751	2.5	21.6
11 17	2 3.57	+13 16.6	2.806	3.744	5.5	21.8
11 27	1 57.79	+12 41.1	2.870	3.736	8.3	21.9
12 7	1 53.55	+12 13.3	2.959	3.728	10.6	22.1

300347 2007 RV_{48} 10 29.7 22°.98 0°.5/29.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 39.58	+14 39.2	1.611	2.485	14.1	21.1
10 8	2 34.26	+14 3.8	1.549	2.487	10.1	20.9
10 18	2 26.81	+13 17.7	1.511	2.489	5.5	20.6
10 28	2 18.14	+12 25.4	1.499	2.492	0.8	20.3
11 7	2 9.41	+11 33.0	1.514	2.495	4.2	20.6
11 17	2 1.74	+10 47.0	1.557	2.498	8.8	20.8
11 27	1 56.07	+10 12.9	1.624	2.501	12.9	21.1
12 7	1 52.94	+ 9 54.1	1.712	2.505	16.2	21.3

286858 2002 NK_{72} 10 29.7 118°.71 2°.5/27.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 40.42	+ 8 51.4	1.988	2.861	11.9	21.4
10 8	2 34.38	+ 7 57.3	1.937	2.874	8.4	21.2
10 18	2 26.68	+ 6 59.3	1.910	2.888	4.7	21.0
10 28	2 18.12	+ 6 2.5	1.912	2.901	2.5	20.9
11 7	2 9.61	+ 5 12.6	1.944	2.913	5.0	21.1
11 17	2 2.05	+ 4 34.0	2.003	2.925	8.5	21.3
11 27	1 56.16	+ 4 10.0	2.088	2.937	11.7	21.6
12 7	1 52.38	+ 4 1.9	2.195	2.948	14.4	21.8

390600 2001 SC_{313} 10 29.7 29°.90 0°.9/29.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 42.90	+11 8.0	1.343	2.227	15.7	19.7
10 8	2 36.76	+11 18.6	1.301	2.244	11.2	19.5
10 18	2 28.20	+11 23.3	1.282	2.261	6.1	19.3
10 28	2 18.35	+11 25.3	1.287	2.280	1.2	19.0
11 7	2 8.61	+11 28.1	1.319	2.299	4.7	19.3
11 17	2 0.28	+11 35.6	1.376	2.320	9.5	19.6
11 27	1 54.36	+11 51.2	1.458	2.341	13.7	20.0
12 7	1 51.34	+12 16.8	1.560	2.363	17.1	20.2

170543 2003 WM_{120} 10 29.7 306°.42 0°.6/29.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 28	2 41.21	+12 52.4	1.651	2.525	13.8	20.0
10 8	2 35.58	+12 43.2	1.574	2.512	10.0	19.7
10 18	2 27.66	+12 26.4	1.521	2.499	5.5	19.4
10 28	2 18.30	+12 4.7	1.494	2.487	0.9	19.1
11 7	2 8.65	+11 42.7	1.494	2.475	4.3	19.3
11 17	1 59.92	+11 25.2	1.522	2.463	9.0	19.6
11 27	1 53.17	+11 16.8	1.574	2.451	13.2	19.8
12 7	1 49.07	+11 20.8	1.648	2.440	16.8	20.0

291133 2005 YD_{212} 10 29.7 336°.57 7°.2/23.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 32.43	+ 1 51.2	1.429	2.331	13.7	18.9
10 8	2 29.43	− 0 15.3	1.362	2.309	10.3	18.6
10 18	2 24.28	− 2 24.9	1.318	2.287	7.6	18.4
10 28	2 17.79	− 4 25.5	1.300	2.267	7.6	18.4
11 7	2 11.07	− 6 5.2	1.307	2.248	10.4	18.5
11 17	2 5.25	− 7 15.2	1.338	2.230	14.2	18.7
11 27	2 1.32	− 7 51.1	1.389	2.214	17.8	18.9
12 7	1 59.91	− 7 53.8	1.457	2.199	20.8	19.1

254487 2005 EK_{28} 10 29.7 271°.17 0°.3/29.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 44.05	+14 9.7	1.420	2.295	15.6	19.9
10 8	2 37.96	+13 57.3	1.346	2.283	11.3	19.6
10 18	2 29.13	+13 34.4	1.293	2.271	6.3	19.3
10 28	2 18.54	+13 3.9	1.266	2.259	0.9	18.9
11 7	2 7.60	+12 31.2	1.266	2.247	4.7	19.2
11 17	1 57.76	+12 2.7	1.292	2.234	10.0	19.5
11 27	1 50.30	+11 44.4	1.341	2.222	14.8	19.7
12 7	1 45.96	+11 40.6	1.411	2.210	18.8	19.9

484732 2008 XE_{53} 10 29.7 266°.25 14°.7/14.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 53.63	+58 53.6	2.197	2.781	19.0	21.3
10 8	2 45.96	+60 3.6	2.102	2.763	17.9	21.2
10 18	2 34.11	+60 42.7	2.021	2.745	16.7	21.0
10 28	2 19.33	+60 42.2	1.956	2.727	15.6	20.9
11 7	2 3.79	+59 57.4	1.910	2.708	14.9	20.8
11 17	1 49.92	+58 29.3	1.884	2.689	14.7	20.7
11 27	1 39.70	+56 25.9	1.879	2.669	15.2	20.7
12 7	1 34.08	+53 59.9	1.896	2.650	16.3	20.8

443303 2014 FJ_{23} 10 29.7 174°.43 5°.4/ 3.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 44.35	+31 36.1	2.260	3.049	13.5	21.5
10 8	2 37.46	+31 52.2	2.181	3.052	10.9	21.3
10 18	2 28.56	+31 49.6	2.126	3.054	8.2	21.1
10 28	2 18.44	+31 27.0	2.097	3.055	5.9	21.0
11 7	2 8.17	+30 46.3	2.096	3.056	5.5	21.0
11 17	1 58.80	+29 51.8	2.124	3.057	7.4	21.1
11 27	1 51.25	+28 50.5	2.179	3.057	10.0	21.3
12 7	1 46.10	+27 49.4	2.259	3.056	12.7	21.4

435083 2007 BP_{80} 10 29.7 316°.09 5°.0/ 1.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 42.04	+26 6.9	1.399	2.245	17.4	20.7
10 8	2 36.73	+26 21.6	1.324	2.236	13.6	20.4
10 18	2 28.53	+26 14.1	1.269	2.227	9.4	20.2
10 28	2 18.48	+25 43.3	1.238	2.218	5.7	19.9
11 7	2 8.05	+24 52.4	1.233	2.210	5.7	19.9
11 17	1 58.82	+23 48.8	1.253	2.202	9.6	20.1
11 27	1 52.13	+22 42.9	1.296	2.194	13.9	20.4
12 7	1 48.73	+21 44.2	1.361	2.187	17.9	20.6

97541 2000 DV_{42} 10 29.7 8°.92 14°.2/10.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 50.97	+50 6.4	1.868	2.546	19.5	18.2
10 8	2 43.92	+52 9.5	1.803	2.548	17.9	18.0
10 18	2 32.99	+53 43.3	1.755	2.551	16.3	17.9
10 28	2 19.20	+54 39.1	1.725	2.555	15.0	17.9
11 7	2 4.46	+54 52.5	1.717	2.560	14.3	17.8
11 17	1 51.02	+54 25.4	1.729	2.565	14.4	17.8
11 27	1 40.84	+53 26.2	1.762	2.571	15.2	17.9
12 7	1 35.01	+52 7.5	1.814	2.578	16.5	18.0

11893 1991 FZ_{2} 10 29.7 220°.16 1°.9/27.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 37.18	+10 13.6	2.254	3.125	10.7	18.4
10 8	2 32.08	+ 9 24.9	2.186	3.124	7.6	18.2
10 18	2 25.46	+ 8 31.2	2.144	3.122	4.2	18.0
10 28	2 17.98	+ 7 36.6	2.130	3.120	1.9	17.8
11 7	2 10.44	+ 6 46.1	2.145	3.118	4.2	18.0
11 17	2 3.62	+ 6 4.0	2.189	3.115	7.6	18.2
11 27	1 58.19	+ 5 34.2	2.260	3.113	10.7	18.4
12 7	1 54.63	+ 5 18.4	2.353	3.111	13.4	18.6

336995 2012 HO_{50} 10 29.7 352°.33 1°.5/28.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 35.66	+12 23.1	2.192	3.064	11.0	20.2
10 8	2 31.02	+11 18.2	2.125	3.063	7.7	20.0
10 18	2 24.88	+10 5.9	2.083	3.062	4.2	19.8
10 28	2 17.89	+ 8 51.0	2.070	3.061	1.5	19.6
11 7	2 10.86	+ 7 39.3	2.086	3.060	4.1	19.8
11 17	2 4.56	+ 6 36.3	2.131	3.060	7.6	20.0
11 27	1 59.68	+ 5 46.5	2.202	3.060	10.8	20.2
12 7	1 56.65	+ 5 12.5	2.296	3.060	13.5	20.4

383205 2005 YS_{57} 10 29.7 336°.66 4°.1/ 2.7 15

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 28	2 35.60	+28 2.9	2.289	3.109	12.4	20.9
10 8	2 31.24	+28 7.0	2.198	3.092	9.8	20.7
10 18	2 25.14	+27 55.1	2.130	3.076	7.0	20.5
10 28	2 17.96	+27 26.9	2.088	3.060	4.7	20.3
11 7	2 10.54	+26 44.8	2.073	3.045	4.4	20.3
11 17	2 3.78	+25 52.8	2.087	3.031	6.7	20.4
11 27	1 58.50	+24 57.0	2.127	3.017	9.7	20.6
12 7	1 55.26	+24 3.3	2.191	3.004	12.5	20.7

344976 2004 XP_{108} 10 29.8 334°.92 1°.5/30.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 41.34	+17 14.4	1.370	2.245	16.0	20.0
10 8	2 36.12	+17 27.7	1.299	2.234	11.9	19.7
10 18	2 28.16	+17 28.7	1.248	2.224	7.0	19.4
10 28	2 18.44	+17 18.4	1.222	2.214	2.1	19.1
11 7	2 8.36	+17 0.5	1.222	2.205	4.4	19.2
11 17	1 59.38	+16 40.6	1.247	2.197	9.5	19.5
11 27	1 52.80	+16 25.3	1.296	2.190	14.3	19.8
12 7	1 49.36	+16 19.8	1.365	2.183	18.3	20.0

304266 2006 RB_{92} 10 29.8 351°.72 1°.9/31.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 41.50	+19 29.8	1.805	2.659	13.7	20.5
10 8	2 35.62	+19 34.6	1.734	2.658	10.2	20.3
10 18	2 27.62	+19 26.9	1.687	2.657	6.2	20.0
10 28	2 18.34	+19 8.0	1.666	2.656	2.4	19.8
11 7	2 8.90	+18 41.1	1.674	2.655	3.7	19.9
11 17	2 0.41	+18 11.0	1.709	2.655	7.7	20.1
11 27	1 53.83	+17 43.6	1.770	2.655	11.6	20.4
12 7	1 49.76	+17 23.6	1.854	2.655	14.8	20.6

412640 2014 OY_{184} 10 29.8 95°.96 3°.1/27.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 39.84	+ 5 2.2	2.171	3.044	11.0	21.2
10 8	2 33.95	+ 4 36.4	2.113	3.049	7.9	21.0
10 18	2 26.49	+ 4 10.4	2.080	3.054	4.7	20.8
10 28	2 18.16	+ 3 48.3	2.075	3.059	3.1	20.7
11 7	2 9.81	+ 3 33.8	2.099	3.064	5.1	20.9
11 17	2 2.27	+ 3 29.7	2.152	3.069	8.2	21.1
11 27	1 56.23	+ 3 38.0	2.230	3.074	11.2	21.3
12 7	1 52.16	+ 3 58.9	2.331	3.079	13.8	21.5

370571 2003 UV_{212} 10 29.8 327°.16 0°.2/29.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 43.16	+13 38.2	1.133	2.021	17.6	19.9
10 8	2 37.91	+13 56.8	1.062	2.006	12.9	19.6
10 18	2 29.39	+14 6.5	1.012	1.991	7.3	19.3
10 28	2 18.66	+14 8.9	0.985	1.978	1.2	18.8
11 7	2 7.38	+14 8.0	0.982	1.965	5.2	19.1
11 17	1 57.36	+14 8.9	1.003	1.953	11.2	19.4
11 27	1 50.17	+14 17.6	1.046	1.942	16.7	19.6
12 7	1 46.69	+14 38.2	1.107	1.932	21.2	19.9

335785 2007 FJ_{19} 10 29.8 74°.86 2°.2/28.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 41.08	+11 35.4	1.492	2.373	14.6	20.7
10 8	2 35.27	+10 33.1	1.446	2.388	10.3	20.4
10 18	2 27.33	+ 9 23.0	1.423	2.403	5.6	20.2
10 28	2 18.28	+ 8 11.8	1.427	2.418	2.2	20.0
11 7	2 9.36	+ 7 7.2	1.458	2.433	5.4	20.3
11 17	2 1.68	+ 6 15.9	1.516	2.449	9.8	20.6
11 27	1 56.15	+ 5 42.7	1.598	2.464	13.7	20.9
12 7	1 53.23	+ 5 29.2	1.700	2.479	16.9	21.1

240587 2004 TN_{160} 10 29.8 139°.37 0°.8/30.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 47.14	+15 10.9	1.793	2.648	13.8	20.3
10 8	2 39.61	+15 34.0	1.726	2.653	10.0	20.1
10 18	2 29.81	+15 49.2	1.684	2.658	5.7	19.8
10 28	2 18.68	+15 57.3	1.670	2.663	1.3	19.5
11 7	2 7.41	+16 0.3	1.686	2.667	3.7	19.7
11 17	1 57.19	+16 1.7	1.730	2.671	8.1	20.0
11 27	1 49.04	+16 5.6	1.800	2.675	11.9	20.2
12 7	1 43.56	+16 15.5	1.893	2.679	15.2	20.5

223420 2003 SH_{213} 10 29.8 359°.19 3°.0/27.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 41.97	+ 4 24.9	2.057	2.928	11.6	19.4
10 8	2 35.60	+ 4 21.8	1.992	2.928	8.3	19.2
10 18	2 27.47	+ 4 19.9	1.953	2.927	5.0	19.0
10 28	2 18.32	+ 4 22.4	1.942	2.927	3.0	18.9
11 7	2 9.09	+ 4 32.1	1.960	2.927	5.1	19.0
11 17	2 0.69	+ 4 51.1	2.006	2.927	8.5	19.2
11 27	1 53.93	+ 5 20.9	2.079	2.928	11.7	19.4
12 7	1 49.30	+ 6 1.3	2.173	2.928	14.4	19.6

8210 NANTEN 10 29.8 169°.39 1°.7/30.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 44.34	+19 9.0	1.836	2.685	13.8	18.1
10 8	2 37.60	+19 10.6	1.766	2.688	10.2	17.8
10 18	2 28.70	+18 59.9	1.720	2.690	6.1	17.6
10 28	2 18.52	+18 38.1	1.701	2.692	2.2	17.4
11 7	2 8.20	+18 8.6	1.712	2.693	3.6	17.5
11 17	1 58.88	+17 36.6	1.750	2.694	7.8	17.7
11 27	1 51.54	+17 7.6	1.815	2.695	11.6	18.0
12 7	1 46.77	+16 46.5	1.903	2.695	14.9	18.2

372047 2008 RR_{89} 10 29.8 170°.60 3°.6/ 2.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 28	2 40.04	+27 28.7	2.694	3.501	11.1	21.7
10 8	2 34.09	+27 39.7	2.615	3.502	8.7	21.5
10 18	2 26.60	+27 37.4	2.561	3.504	6.2	21.3
10 28	2 18.19	+27 21.4	2.534	3.505	4.0	21.2
11 7	2 9.67	+26 53.8	2.537	3.506	3.9	21.2
11 17	2 1.81	+26 17.7	2.569	3.507	5.9	21.3
11 27	1 55.32	+25 37.8	2.629	3.508	8.5	21.5
12 7	1 50.70	+24 58.9	2.714	3.508	10.8	21.7

184401 2005 MP_{12} 10 29.8 129°.36 1°.7/28.5 16

9 28	2 43.16	+11 41.2	1.655	2.527	13.8	20.7
10 8	2 36.68	+10 56.3	1.600	2.538	9.8	20.5
10 18	2 28.11	+10 3.9	1.569	2.548	5.4	20.2
10 28	2 18.41	+ 9 9.2	1.566	2.558	1.7	20.0
11 7	2 8.75	+ 8 18.5	1.591	2.567	4.9	20.3
11 17	2 0.24	+ 7 37.7	1.643	2.575	9.2	20.5
11 27	1 53.78	+ 7 11.3	1.720	2.584	13.0	20.8
12 7	1 49.87	+ 7 1.4	1.819	2.592	16.2	21.0

301482 2009 DL_{134} 10 29.8 324°.58 0°.4/30.1 18

9 28	2 40.50	+15 58.4	1.667	2.535	14.0	20.8
10 8	2 35.04	+15 47.9	1.595	2.529	10.2	20.6
10 18	2 27.36	+15 26.6	1.546	2.522	5.8	20.3
10 28	2 18.32	+14 57.1	1.524	2.516	1.1	20.0
11 7	2 9.08	+14 24.1	1.529	2.511	3.9	20.2
11 17	2 0.81	+13 52.7	1.561	2.505	8.5	20.4
11 27	1 54.51	+13 28.7	1.618	2.500	12.6	20.7
12 7	1 50.81	+13 16.2	1.697	2.496	16.1	20.9

136065 2002 XD_{84} 10 29.8 342°.93 10°.8/21.9 18

9 28	2 37.42	− 9 38.9	1.404	2.288	15.1	18.7
10 8	2 32.96	−11 5.3	1.355	2.277	12.6	18.5
10 18	2 26.22	−12 17.0	1.328	2.267	11.0	18.4
10 28	2 18.14	−13 3.7	1.324	2.258	11.2	18.4
11 7	2 9.97	−13 18.1	1.343	2.250	13.2	18.5
11 17	2 2.90	−12 57.6	1.383	2.243	15.9	18.6
11 27	1 57.93	−12 4.1	1.442	2.237	18.7	18.8
12 7	1 55.63	−10 42.9	1.518	2.232	21.2	19.0

68418 2001 QN_{244} 10 29.8 195°.90 2°.7/31.5 18

9 28	2 45.19	+21 3.6	1.740	2.585	14.6	20.1
10 8	2 38.41	+21 16.5	1.667	2.584	11.0	19.9
10 18	2 29.24	+21 15.3	1.617	2.583	6.9	19.6
10 28	2 18.62	+21 0.3	1.594	2.581	3.1	19.4
11 7	2 7.77	+20 34.3	1.598	2.579	4.1	19.4
11 17	1 57.96	+20 2.5	1.631	2.576	8.1	19.7
11 27	1 50.27	+19 31.2	1.690	2.574	12.1	19.9
12 7	1 45.35	+19 6.3	1.772	2.571	15.5	20.1

145243 2005 JX_{95} 10 29.8 66°.11 1°.7/28.9 18

9 28	2 45.07	+10 34.6	1.337	2.219	15.9	20.2
10 8	2 38.46	+10 22.2	1.286	2.227	11.4	20.0
10 18	2 29.26	+10 3.7	1.257	2.236	6.3	19.7
10 28	2 18.60	+ 9 43.4	1.253	2.245	1.8	19.5
11 7	2 7.96	+ 9 26.6	1.276	2.254	5.3	19.7
11 17	1 58.71	+ 9 18.2	1.325	2.263	10.3	20.0
11 27	1 51.97	+ 9 22.2	1.397	2.273	14.6	20.3
12 7	1 48.29	+ 9 40.4	1.489	2.282	18.2	20.6

6538 Muraviov 10 29.8 47°.41 0°.3/29.5 18

9 28	2 39.04	+14 56.4	1.816	2.685	13.0	16.7
10 8	2 33.68	+14 24.4	1.757	2.692	9.3	16.5
10 18	2 26.45	+13 42.9	1.721	2.699	5.1	16.3
10 28	2 18.18	+12 55.7	1.713	2.706	0.7	16.0
11 7	2 9.88	+12 8.0	1.733	2.713	3.8	16.2
11 17	2 2.55	+11 25.4	1.780	2.721	7.9	16.5
11 27	1 57.01	+10 52.9	1.853	2.728	11.6	16.7
12 7	1 53.75	+10 33.5	1.948	2.736	14.7	17.0

225744 2001 SF_{37} 10 29.8 34°.09 1°.8/28.7 18

9 28	2 40.77	+12 4.9	1.073	1.970	17.7	19.5
10 8	2 35.58	+11 27.3	1.039	1.988	12.5	19.2
10 18	2 27.66	+10 40.4	1.025	2.006	6.8	19.0
10 28	2 18.36	+ 9 51.3	1.034	2.026	1.9	18.7
11 7	2 9.28	+ 9 8.2	1.067	2.047	5.8	19.1
11 17	2 1.86	+ 8 38.1	1.125	2.069	11.1	19.4
11 27	1 57.14	+ 8 25.7	1.204	2.091	15.6	19.8
12 7	1 55.56	+ 8 32.2	1.302	2.115	19.3	20.1

326908 2003 WH_{161} 10 29.8 17°.73 1°.6/28.6 17

9 28	2 37.83	+10 40.5	1.811	2.690	12.5	20.5
10 8	2 32.81	+10 15.8	1.754	2.695	8.9	20.3
10 18	2 25.97	+ 9 46.0	1.722	2.701	4.9	20.1
10 28	2 18.12	+ 9 15.0	1.716	2.708	1.6	19.8
11 7	2 10.24	+ 8 47.5	1.738	2.715	4.4	20.1
11 17	2 3.28	+ 8 27.7	1.787	2.723	8.3	20.3
11 27	1 58.05	+ 8 19.2	1.862	2.731	11.9	20.6
12 7	1 55.03	+ 8 23.6	1.958	2.740	14.8	20.8

135063 2001 PB_8 10 29.8 62°.26 7°.5/ 3.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 28	2 47.42	+32 57.3	1.810	2.602	16.3	19.1
10 8	2 40.15	+34 0.7	1.749	2.615	13.4	19.0
10 18	2 30.27	+34 42.2	1.709	2.628	10.4	18.8
10 28	2 18.80	+34 58.3	1.693	2.641	8.1	18.7
11 7	2 7.11	+34 49.1	1.704	2.654	7.6	18.7
11 17	1 56.62	+34 19.0	1.742	2.667	9.3	18.9
11 27	1 48.50	+33 35.9	1.805	2.680	11.9	19.0
12 7	1 43.42	+32 48.9	1.890	2.694	14.5	19.3

178073 2006 SH_{98} 10 29.8 129°.44 1°.1/28.8 18

9 28	2 38.95	+13 2.0	1.950	2.820	12.2	20.8
10 8	2 33.54	+12 18.2	1.885	2.822	8.7	20.6
10 18	2 26.36	+11 26.4	1.845	2.824	4.7	20.4
10 28	2 18.19	+10 31.1	1.833	2.826	1.2	20.1
11 7	2 9.96	+ 9 37.5	1.850	2.827	4.0	20.4
11 17	2 2.61	+ 8 51.0	1.894	2.829	8.0	20.6
11 27	1 56.92	+ 8 16.4	1.965	2.831	11.5	20.8
12 7	1 53.38	+ 7 56.2	2.058	2.833	14.5	21.0

282301 2002 RT_4 10 29.8 20°.90 2°.0/31.4 15

9 28	2 37.32	+22 40.2	1.443	2.306	16.0	20.6
10 8	2 32.89	+21 48.9	1.384	2.312	11.9	20.3
10 18	2 26.17	+20 36.4	1.347	2.318	7.3	20.1
10 28	2 18.16	+19 7.3	1.335	2.325	2.7	19.8
11 7	2 10.16	+17 29.8	1.350	2.333	4.0	20.0
11 17	2 3.38	+15 53.9	1.391	2.342	8.6	20.3
11 27	1 58.77	+14 29.3	1.457	2.351	13.0	20.5
12 7	1 56.87	+13 22.6	1.545	2.361	16.6	20.8

103734 2000 CO_{106} 10 29.8 109°.83 5°.4/ 3.2 18

9 28	2 47.05	+30 23.8	1.815	2.619	15.7	20.1
10 8	2 39.53	+30 29.9	1.758	2.641	12.5	20.0
10 18	2 29.72	+30 13.7	1.724	2.662	9.0	19.8
10 28	2 18.70	+29 35.0	1.716	2.683	6.1	19.7
11 7	2 7.77	+28 37.2	1.735	2.703	5.7	19.7
11 17	1 58.16	+27 27.4	1.783	2.722	8.0	19.9
11 27	1 50.85	+26 14.2	1.857	2.740	11.2	20.1
12 7	1 46.32	+25 6.0	1.955	2.758	14.1	20.4

311796 2006 UO_{93} 10 29.8 351°.91 1°.2/28.9 18

9 28	2 41.14	+11 6.8	1.829	2.700	12.8	21.1
10 8	2 35.25	+10 53.7	1.762	2.700	9.1	20.9
10 18	2 27.39	+10 35.3	1.720	2.699	5.0	20.7
10 28	2 18.37	+10 14.7	1.706	2.698	1.3	20.4
11 7	2 9.24	+ 9 56.1	1.720	2.698	4.2	20.6
11 17	2 1.02	+ 9 43.4	1.761	2.697	8.4	20.9
11 27	1 54.61	+ 9 40.3	1.828	2.697	12.1	21.1
12 7	1 50.56	+ 9 48.8	1.917	2.697	15.2	21.3

475365 2006 DC_{43} 10 29.8 143°.62 1°.6/28.5 18

9 28	2 41.29	+11 29.5	1.851	2.721	12.7	21.8
10 8	2 35.25	+10 48.1	1.790	2.727	9.0	21.5
10 18	2 27.32	+ 9 59.9	1.754	2.732	4.9	21.3
10 28	2 18.35	+ 9 9.7	1.746	2.738	1.6	21.1
11 7	2 9.36	+ 8 22.8	1.767	2.743	4.5	21.3
11 17	2 1.33	+ 7 44.6	1.815	2.747	8.5	21.6
11 27	1 55.11	+ 7 19.1	1.890	2.751	12.1	21.8
12 7	1 51.20	+ 7 8.6	1.986	2.755	15.1	22.0

366165 2012 FP_{48} 10 29.8 50°.81 3°.6/26.4 18

9 28	2 36.68	+ 5 37.6	2.044	2.924	11.2	20.5
10 8	2 31.78	+ 4 31.7	1.991	2.931	8.0	20.3
10 18	2 25.32	+ 3 24.4	1.964	2.939	4.9	20.1
10 28	2 18.04	+ 2 21.5	1.965	2.946	3.7	20.1
11 7	2 10.78	+ 1 28.6	1.994	2.954	5.8	20.2
11 17	2 4.33	+ 0 50.2	2.051	2.962	8.9	20.4
11 27	1 59.38	+ 0 29.0	2.133	2.970	11.9	20.6
12 7	1 56.37	+ 0 25.4	2.235	2.978	14.4	20.8

454887 2015 TM_{78} 10 29.8 29°.89 0°.0/29.7 18

9 28	2 42.04	+13 44.3	1.828	2.694	13.0	20.7
10 8	2 35.88	+13 52.7	1.766	2.699	9.4	20.5
10 18	2 27.73	+13 54.3	1.728	2.705	5.2	20.3
10 28	2 18.42	+13 50.9	1.718	2.711	0.8	20.0
11 7	2 9.03	+13 45.6	1.736	2.717	3.6	20.2
11 17	2 0.60	+13 41.7	1.782	2.724	7.8	20.5
11 27	1 54.04	+13 43.2	1.854	2.731	11.5	20.7
12 7	1 49.88	+13 52.6	1.948	2.738	14.6	21.0

93774 2000 WV_{25} 10 29.8 112°.95 0°.2/29.9 18

9 28	2 39.54	+15 57.5	2.143	3.001	11.7	20.1
10 8	2 33.87	+15 37.6	2.077	3.006	8.4	19.9
10 18	2 26.53	+15 9.0	2.035	3.011	4.7	19.6
10 28	2 18.24	+14 34.2	2.022	3.015	0.8	19.4
11 7	2 9.91	+13 57.1	2.038	3.020	3.2	19.6
11 17	2 2.38	+13 22.2	2.083	3.024	6.9	19.8
11 27	1 56.43	+12 53.9	2.155	3.029	10.3	20.0
12 7	1 52.52	+12 35.3	2.250	3.033	13.2	20.2

13265 Terbunkley 10 29.8 337°.14 3°.0/31.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 28	2 41.74	+20 23.7	1.233	2.105	17.6	17.7
10 8	2 36.69	+20 38.7	1.165	2.096	13.3	17.4
10 18	2 28.62	+20 36.3	1.117	2.088	8.3	17.1
10 28	2 18.60	+20 16.8	1.092	2.081	3.6	16.8
11 7	2 8.20	+19 44.2	1.092	2.074	4.9	16.9
11 17	1 59.08	+19 5.7	1.116	2.068	10.1	17.2
11 27	1 52.64	+18 30.2	1.163	2.063	15.0	17.4
12 7	1 49.64	+18 5.0	1.230	2.059	19.2	17.7

147072 2002 SF_6 10 29.8 67°.54 0°.8/29.3 16

9 28	2 44.18	+14 39.3	1.294	2.172	16.5	20.5
10 8	2 37.65	+13 54.5	1.257	2.197	11.7	20.3
10 18	2 28.69	+12 58.2	1.242	2.222	6.4	20.1
10 28	2 18.55	+11 56.5	1.253	2.246	1.1	19.8
11 7	2 8.69	+10 57.5	1.290	2.271	4.8	20.1
11 17	2 0.41	+10 8.4	1.354	2.295	9.8	20.5
11 27	1 54.65	+ 9 34.9	1.441	2.320	14.1	20.8
12 7	1 51.83	+ 9 19.6	1.548	2.344	17.5	21.1

488164 2015 XK_6 10 29.8 312°.05 5°.1/25.4 17

9 28	2 37.86	+ 0 11.3	2.050	2.929	11.3	21.5
10 8	2 32.70	− 0 43.0	1.989	2.924	8.4	21.3
10 18	2 25.89	− 1 34.4	1.953	2.919	5.9	21.1
10 28	2 18.15	− 2 17.1	1.945	2.914	5.2	21.1
11 7	2 10.34	− 2 46.0	1.964	2.910	7.1	21.2
11 17	2 3.30	− 2 57.8	2.010	2.905	10.0	21.4
11 27	1 57.77	− 2 51.0	2.080	2.901	12.8	21.6
12 7	1 54.24	− 2 26.3	2.170	2.896	15.3	21.7

234672 2002 GE_{14} 10 29.8 223°.84 0°.7/29.2 18

9 28	2 40.33	+14 39.2	1.966	2.829	12.4	21.2
10 8	2 34.62	+13 52.8	1.889	2.822	8.9	20.9
10 18	2 27.03	+12 56.1	1.838	2.815	4.9	20.7
10 28	2 18.33	+11 53.4	1.814	2.807	0.8	20.4
11 7	2 9.49	+10 50.2	1.820	2.799	3.9	20.6
11 17	2 1.49	+ 9 52.6	1.854	2.790	8.0	20.8
11 27	1 55.17	+ 9 6.2	1.915	2.781	11.7	21.0
12 7	1 51.09	+ 8 34.5	1.997	2.771	14.9	21.2

361411 2006 WO_{106} 10 29.8 242°.94 0°.0/29.6 18

9 28	2 39.17	+15 44.7	2.029	2.890	12.1	21.3
10 8	2 33.73	+15 15.5	1.956	2.888	8.7	21.1
10 18	2 26.51	+14 36.7	1.909	2.885	4.9	20.8
10 28	2 18.25	+13 51.4	1.889	2.882	0.7	20.5
11 7	2 9.89	+13 4.1	1.898	2.879	3.4	20.7
11 17	2 2.33	+12 20.0	1.936	2.876	7.4	21.0
11 27	1 56.40	+11 44.1	2.000	2.873	11.0	21.2
12 7	1 52.62	+11 19.8	2.087	2.870	14.0	21.4

175431 2006 QS_{20} 10 29.8 74°.89 4°.5/ 1.7 18

9 28	2 47.18	+25 19.9	1.336	2.181	18.2	20.4
10 8	2 40.05	+25 29.2	1.291	2.204	13.9	20.2
10 18	2 30.15	+25 15.7	1.267	2.226	9.2	20.0
10 28	2 18.79	+24 40.2	1.266	2.248	5.2	19.8
11 7	2 7.60	+23 47.9	1.292	2.270	5.3	19.9
11 17	1 58.07	+22 47.2	1.344	2.292	9.2	20.2
11 27	1 51.33	+21 48.0	1.421	2.314	13.3	20.5
12 7	1 47.86	+20 58.3	1.518	2.335	16.8	20.7

259556 2003 UN_{148} 10 29.8 38°.24 5°.8/26.5 17

9 28	2 40.32	+ 5 52.6	0.968	1.876	18.1	19.2
10 8	2 35.32	+ 4 28.3	0.942	1.895	12.9	19.0
10 18	2 27.53	+ 3 3.7	0.935	1.914	7.9	18.8
10 28	2 18.38	+ 1 50.4	0.951	1.935	5.9	18.8
11 7	2 9.56	+ 0 58.6	0.991	1.957	9.1	19.0
11 17	2 2.50	+ 0 34.1	1.052	1.979	13.7	19.4
11 27	1 58.24	+ 0 38.1	1.134	2.003	17.9	19.7
12 7	1 57.14	+ 1 7.7	1.232	2.026	21.3	20.0

82644 2001 PT_6 10 29.8 19°.29 1°.8/28.4 18

9 28	2 38.23	+11 39.2	1.603	2.484	13.7	18.9
10 8	2 33.32	+10 51.8	1.546	2.488	9.7	18.7
10 18	2 26.36	+ 9 56.6	1.512	2.492	5.3	18.4
10 28	2 18.26	+ 8 59.2	1.505	2.496	1.8	18.2
11 7	2 10.13	+ 8 6.2	1.525	2.501	4.9	18.4
11 17	2 3.04	+ 7 23.7	1.571	2.507	9.2	18.7
11 27	1 57.87	+ 6 56.4	1.642	2.513	13.1	18.9
12 7	1 55.15	+ 6 46.5	1.734	2.519	16.4	19.2

367020 2006 BF_{130} 10 29.8 175°.45 3°.6/26.0 18

9 28	2 36.60	+ 3 58.5	2.425	3.300	9.9	21.5
10 8	2 31.58	+ 2 57.7	2.364	3.300	7.2	21.3
10 18	2 25.21	+ 1 56.7	2.330	3.301	4.6	21.1
10 28	2 18.09	+ 1 0.2	2.324	3.301	3.7	21.1
11 7	2 10.93	+ 0 13.1	2.347	3.302	5.5	21.2
11 17	2 4.44	− 0 21.1	2.399	3.302	8.2	21.4
11 27	1 59.22	− 0 39.9	2.476	3.302	10.8	21.5
12 7	1 55.71	− 0 42.9	2.576	3.302	13.1	21.7

512002 2015 KE_{160} 10 29.8 96°.99 7°.7/24.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 28	2 42.71	− 6 6.1	1.785	2.655	13.1	21.1
10 8	2 36.10	− 7 12.3	1.752	2.673	10.3	21.0
10 18	2 27.71	− 8 7.9	1.744	2.692	8.2	20.9
10 28	2 18.46	− 8 45.8	1.762	2.709	7.9	21.0
11 7	2 9.39	− 9 1.5	1.807	2.727	9.5	21.1
11 17	2 1.45	− 8 53.3	1.878	2.744	12.0	21.3
11 27	1 55.39	− 8 22.3	1.970	2.761	14.5	21.5
12 7	1 51.62	− 7 31.7	2.082	2.777	16.7	21.7

85853 1999 AB_{12} 10 29.8 245°.62 8°.0/ 6.2 18

9 28	2 43.32	+38 57.2	2.142	2.895	15.3	19.7
10 8	2 37.15	+39 22.5	2.055	2.887	13.0	19.5
10 18	2 28.64	+39 23.8	1.988	2.879	10.7	19.4
10 28	2 18.64	+38 58.2	1.945	2.871	8.7	19.2
11 7	2 8.37	+38 6.4	1.927	2.863	8.0	19.2
11 17	1 59.06	+36 52.6	1.937	2.854	9.0	19.2
11 27	1 51.79	+35 25.0	1.972	2.846	11.1	19.3
12 7	1 47.23	+33 53.2	2.032	2.837	13.6	19.5

13095 1992 WY_1 10 29.8 307°.53 1°.6/30.7 18

9 28	2 42.88	+18 22.8	1.357	2.227	16.4	17.8
10 8	2 37.29	+18 21.9	1.285	2.218	12.2	17.5
10 18	2 28.90	+18 5.9	1.235	2.209	7.2	17.2
10 28	2 18.70	+17 36.6	1.209	2.200	2.2	16.9
11 7	2 8.17	+16 58.6	1.209	2.192	4.4	17.0
11 17	1 58.80	+16 18.9	1.235	2.184	9.7	17.3
11 27	1 51.92	+15 45.4	1.284	2.176	14.5	17.5
12 7	1 48.25	+15 24.1	1.353	2.168	18.6	17.8

175646 2007 VQ_{290} 10 29.8 37°.37 1°.8/28.6 18

9 28	2 41.04	+10 17.0	1.595	2.475	13.9	19.9
10 8	2 35.31	+ 9 53.3	1.541	2.481	9.9	19.7
10 18	2 27.47	+ 9 24.2	1.509	2.488	5.4	19.4
10 28	2 18.45	+ 8 54.3	1.504	2.496	1.9	19.2
11 7	2 9.41	+ 8 28.5	1.527	2.504	4.9	19.4
11 17	2 1.47	+ 8 11.7	1.576	2.512	9.2	19.7
11 27	1 55.56	+ 8 7.3	1.650	2.520	13.1	20.0
12 7	1 52.19	+ 8 17.1	1.744	2.529	16.3	20.2

491454 2012 FF_{74} 10 29.8 192°.04 2°.5/27.4 17

9 28	2 39.68	+ 4 40.7	2.838	3.701	9.0	21.6
10 8	2 33.63	+ 4 23.1	2.768	3.700	6.5	21.4
10 18	2 26.31	+ 4 5.7	2.725	3.698	3.9	21.3
10 28	2 18.28	+ 3 51.2	2.712	3.696	2.5	21.2
11 7	2 10.17	+ 3 42.5	2.729	3.693	4.2	21.3
11 17	2 2.65	+ 3 41.6	2.777	3.690	6.8	21.5
11 27	1 56.30	+ 3 50.2	2.852	3.687	9.3	21.6
12 7	1 51.52	+ 4 8.8	2.951	3.683	11.5	21.8

261822 2006 CT_{48} 10 29.8 210°.28 1°.6/31.3 17

9 28	2 38.90	+20 21.1	2.424	3.265	11.1	21.2
10 8	2 33.37	+20 9.5	2.346	3.263	8.2	21.0
10 18	2 26.28	+19 47.0	2.293	3.261	5.0	20.8
10 28	2 18.28	+19 15.2	2.269	3.258	2.0	20.6
11 7	2 10.16	+18 37.2	2.274	3.255	2.9	20.6
11 17	2 2.72	+17 57.0	2.309	3.252	6.2	20.9
11 27	1 56.70	+17 19.3	2.371	3.249	9.3	21.1
12 7	1 52.56	+16 48.1	2.457	3.246	12.0	21.2

115765 2003 UZ_{206} 10 29.8 286°.93 0°.0/29.8 18

9 28	2 44.75	+13 8.4	1.792	2.655	13.4	20.3
10 8	2 38.23	+13 21.1	1.701	2.633	9.8	20.0
10 18	2 29.32	+13 27.7	1.634	2.611	5.5	19.7
10 28	2 18.79	+13 29.7	1.595	2.588	0.8	19.3
11 7	2 7.78	+13 29.6	1.585	2.566	4.0	19.5
11 17	1 57.52	+13 30.9	1.602	2.543	8.7	19.7
11 27	1 49.16	+13 37.6	1.646	2.520	12.9	19.9
12 7	1 43.47	+13 53.0	1.712	2.497	16.5	20.1

127421 2002 OE_7 10 29.8 153°.08 3°.2/ 2.8 18

9 28	2 38.82	+28 31.3	3.079	3.876	10.1	20.5
10 8	2 33.04	+28 17.6	3.003	3.885	7.9	20.4
10 18	2 25.99	+27 50.7	2.952	3.893	5.6	20.3
10 28	2 18.24	+27 11.3	2.929	3.900	3.6	20.1
11 7	2 10.46	+26 21.7	2.937	3.907	3.4	20.1
11 17	2 3.32	+25 25.6	2.975	3.914	5.2	20.3
11 27	1 57.40	+24 27.6	3.042	3.920	7.5	20.4
12 7	1 53.09	+23 32.2	3.135	3.926	9.6	20.6

218987 Heidenhain 10 29.8 70°.58 0°.5/29.3 18

9 28	2 38.39	+14 39.0	2.003	2.870	12.1	20.6
10 8	2 33.13	+13 58.4	1.942	2.876	8.6	20.4
10 18	2 26.16	+13 8.9	1.904	2.882	4.7	20.2
10 28	2 18.27	+12 14.5	1.895	2.888	0.8	19.9
11 7	2 10.35	+11 20.5	1.915	2.895	3.6	20.2
11 17	2 3.30	+10 32.0	1.963	2.901	7.5	20.4
11 27	1 57.86	+ 9 53.7	2.037	2.907	11.0	20.6
12 7	1 54.51	+ 9 28.7	2.134	2.914	13.9	20.9

207955 1994 US_6 10 29.8 221°30 1°3/30.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 28	2 41.17	+19 5.0	1.969	2.820	12.9	21.0
10 8	2 35.30	+18 49.1	1.893	2.816	9.5	20.8
10 18	2 27.48	+18 20.7	1.841	2.812	5.6	20.5
10 28	2 18.49	+17 42.1	1.816	2.807	1.8	20.3
11 7	2 9.34	+16 57.2	1.820	2.803	3.4	20.4
11 17	2 1.05	+16 11.4	1.853	2.798	7.4	20.6
11 27	1 54.51	+15 30.4	1.913	2.792	11.1	20.8
12 7	1 50.29	+14 58.9	1.995	2.787	14.3	21.0

484942 2009 ST_{190} 10 29.8 326°53 3°9/ 1.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 40.61	+24 50.2	1.960	2.794	13.7	21.2
10 8	2 35.09	+25 10.8	1.879	2.785	10.6	21.0
10 18	2 27.46	+25 16.4	1.821	2.777	7.2	20.7
10 28	2 18.51	+25 6.4	1.790	2.769	4.3	20.6
11 7	2 9.28	+24 42.8	1.785	2.761	4.5	20.6
11 17	2 0.87	+24 9.7	1.809	2.754	7.5	20.7
11 27	1 54.25	+23 33.3	1.859	2.747	10.9	20.9
12 7	1 50.08	+22 59.7	1.932	2.740	14.0	21.1

54807 2001 MZ_{23} 10 29.8 26°21 18°8/17.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 49.42	+53 17.7	1.206	1.915	26.9	17.7
10 8	2 44.05	+55 26.2	1.165	1.928	24.8	17.6
10 18	2 33.53	+56 49.0	1.136	1.943	22.7	17.5
10 28	2 19.49	+57 14.6	1.120	1.959	20.7	17.4
11 7	2 4.96	+56 39.0	1.120	1.976	19.3	17.4
11 17	1 53.09	+55 8.5	1.137	1.995	18.8	17.4
11 27	1 46.10	+52 58.4	1.172	2.015	19.2	17.5
12 7	1 44.62	+50 28.5	1.225	2.035	20.4	17.7

65037 2002 AV_{119} 10 29.8 134°06 0°0/29.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 45.66	+16 2.1	1.606	2.468	14.8	20.2
10 8	2 38.63	+15 33.3	1.550	2.481	10.6	20.0
10 18	2 29.32	+14 52.6	1.516	2.492	5.9	19.8
10 28	2 18.78	+14 4.0	1.510	2.503	0.9	19.4
11 7	2 8.27	+13 13.1	1.533	2.514	4.1	19.7
11 17	1 59.01	+12 26.6	1.583	2.524	8.7	20.0
11 27	1 51.97	+11 50.4	1.659	2.533	12.8	20.3
12 7	1 47.68	+11 28.3	1.756	2.541	16.2	20.5

448360 2009 HS_{27} 10 29.8 111°89 0°5/29.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 39.17	+15 13.4	2.086	2.947	11.8	21.7
10 8	2 33.58	+14 21.4	2.027	2.959	8.4	21.5
10 18	2 26.38	+13 20.1	1.993	2.970	4.6	21.3
10 28	2 18.33	+12 13.9	1.988	2.981	0.7	21.0
11 7	2 10.30	+11 8.3	2.013	2.992	3.5	21.2
11 17	2 3.15	+10 8.8	2.066	3.003	7.3	21.5
11 27	1 57.60	+ 9 20.3	2.147	3.013	10.7	21.7
12 7	1 54.07	+ 8 45.8	2.250	3.023	13.4	21.9

18987 Irani 10 29.8 7°93 1°4/30.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 38.80	+18 13.9	0.949	1.845	19.5	18.2
10 8	2 34.88	+18 2.5	0.900	1.845	14.4	17.9
10 18	2 27.70	+17 31.3	0.868	1.847	8.4	17.6
10 28	2 18.56	+16 44.3	0.858	1.850	2.3	17.3
11 7	2 9.29	+15 49.7	0.870	1.855	5.1	17.5
11 17	2 1.67	+14 57.7	0.905	1.861	11.2	17.8
11 27	1 57.07	+14 18.2	0.961	1.868	16.6	18.2
12 7	1 56.12	+13 57.0	1.033	1.877	21.1	18.5

331013 2009 UJ_{104} 10 29.8 277°29 1°7/27.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 36.20	+11 54.2	2.243	3.113	10.8	21.0
10 8	2 31.48	+10 44.7	2.170	3.107	7.6	20.8
10 18	2 25.25	+ 9 27.7	2.123	3.102	4.2	20.6
10 28	2 18.16	+ 8 8.2	2.105	3.096	1.7	20.4
11 7	2 11.00	+ 6 52.1	2.117	3.090	4.2	20.6
11 17	2 4.52	+ 5 45.1	2.158	3.084	7.7	20.8
11 27	1 59.43	+ 4 51.7	2.225	3.079	10.9	21.0
12 7	1 56.18	+ 4 14.6	2.315	3.073	13.6	21.1

47601 2000 AQ_{227} 10 29.8 124°83 1°3/31.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 38.72	+19 54.5	2.583	3.423	10.5	20.1
10 8	2 33.11	+19 40.5	2.515	3.432	7.8	19.9
10 18	2 26.09	+19 16.6	2.472	3.440	4.7	19.8
10 28	2 18.29	+18 44.6	2.459	3.448	1.7	19.6
11 7	2 10.45	+18 7.5	2.475	3.456	2.7	19.6
11 17	2 3.31	+17 29.1	2.521	3.464	5.8	19.9
11 27	1 57.50	+16 53.5	2.595	3.472	8.7	20.1
12 7	1 53.46	+16 24.2	2.694	3.479	11.2	20.3

340152 2005 YV_{82} 10 29.8 126°40 6°1/24.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 42.22	− 2 5.3	1.933	2.805	12.2	20.9
10 8	2 35.73	− 3 9.7	1.890	2.819	9.2	20.7
10 18	2 27.55	− 4 8.1	1.873	2.832	6.8	20.6
10 28	2 18.51	− 4 54.1	1.884	2.845	6.2	20.6
11 7	2 9.55	− 5 22.7	1.922	2.857	8.0	20.8
11 17	2 1.60	− 5 31.1	1.987	2.869	10.7	21.0
11 27	1 55.38	− 5 18.9	2.075	2.880	13.4	21.2
12 7	1 51.34	− 4 48.1	2.184	2.891	15.7	21.4

174099 2002 JT_{19} 10 29.8 326°61 6°0/26.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 28	2 43.27	+ 2 12.8	1.301	2.191	15.7	19.5
10 8	2 37.34	+ 1 21.9	1.246	2.188	11.5	19.3
10 18	2 28.80	+ 0 33.3	1.213	2.185	7.6	19.1
10 28	2 18.72	− 0 4.8	1.204	2.183	6.0	19.0
11 7	2 8.54	− 0 25.3	1.221	2.181	8.7	19.1
11 17	1 59.64	− 0 23.6	1.262	2.178	12.9	19.4
11 27	1 53.18	+ 0 1.6	1.325	2.176	16.9	19.6
12 7	1 49.75	+ 0 48.3	1.406	2.175	20.3	19.8

83341 2001 RD_{136} 10 29.8 147°93 1°9/28.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 40.34	+ 9 32.4	2.021	2.892	11.8	19.7
10 8	2 34.52	+ 9 1.0	1.958	2.895	8.4	19.4
10 18	2 26.97	+ 8 25.2	1.920	2.898	4.7	19.2
10 28	2 18.43	+ 7 49.3	1.910	2.900	1.9	19.1
11 7	2 9.85	+ 7 17.6	1.929	2.902	4.5	19.2
11 17	2 2.10	+ 6 54.3	1.976	2.904	8.1	19.5
11 27	1 55.99	+ 6 42.6	2.049	2.906	11.5	19.7
12 7	1 51.99	+ 6 44.2	2.144	2.908	14.3	19.9

142816 2002 UQ_{40} 10 29.8 329°05 4°8/26.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 36.78	+ 5 15.8	1.515	2.408	13.7	19.8
10 8	2 32.52	+ 4 1.3	1.448	2.394	9.9	19.5
10 18	2 26.08	+ 2 43.2	1.405	2.381	6.3	19.3
10 28	2 18.32	+ 1 30.0	1.388	2.369	4.9	19.2
11 7	2 10.37	+ 0 29.9	1.396	2.357	7.6	19.3
11 17	2 3.36	− 0 10.4	1.430	2.346	11.6	19.5
11 27	1 58.29	− 0 27.0	1.486	2.336	15.4	19.8
12 7	1 55.76	− 0 19.6	1.561	2.327	18.7	20.0

43703 1276 $T\text{-}_1$ 10 29.8 124°10 0°1/29.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 44.32	+16 53.5	1.594	2.457	14.8	19.6
10 8	2 37.66	+16 12.9	1.539	2.470	10.7	19.4
10 18	2 28.79	+15 19.4	1.507	2.483	6.0	19.1
10 28	2 18.72	+14 17.1	1.502	2.495	1.0	18.8
11 7	2 8.71	+13 12.8	1.525	2.507	4.0	19.1
11 17	1 59.94	+12 13.7	1.577	2.518	8.7	19.4
11 27	1 53.38	+11 26.2	1.653	2.529	12.8	19.7
12 7	1 49.50	+10 54.4	1.751	2.539	16.1	19.9

473463 2015 XL_{59} 10 29.8 48°75 5°1/25.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 38.47	+ 0 18.6	2.003	2.882	11.5	20.5
10 8	2 33.11	− 0 31.8	1.954	2.889	8.5	20.3
10 18	2 26.14	− 1 18.7	1.930	2.896	5.9	20.2
10 28	2 18.31	− 1 56.4	1.933	2.904	5.1	20.2
11 7	2 10.49	− 2 20.2	1.964	2.911	7.0	20.3
11 17	2 3.54	− 2 27.3	2.021	2.919	9.8	20.5
11 27	1 58.15	− 2 16.6	2.103	2.927	12.6	20.7
12 7	1 54.78	− 1 48.9	2.205	2.935	15.0	20.9

172916 2005 GU_{112} 10 29.8 60°35 1°8/31.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 39.98	+21 0.4	1.791	2.643	13.9	20.4
10 8	2 34.55	+20 33.0	1.724	2.646	10.3	20.2
10 18	2 27.09	+19 50.1	1.680	2.649	6.2	19.9
10 28	2 18.47	+18 54.5	1.662	2.652	2.3	19.7
11 7	2 9.78	+17 51.3	1.673	2.655	3.5	19.8
11 17	2 2.08	+16 47.3	1.712	2.659	7.6	20.0
11 27	1 56.28	+15 49.4	1.776	2.662	11.5	20.3
12 7	1 52.89	+15 3.1	1.864	2.665	14.8	20.5

10017 Jaotsungi 10 29.8 72°38 0°4/29.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 49.58	+14 10.4	1.207	2.082	17.7	16.7
10 8	2 41.93	+14 28.5	1.163	2.099	12.8	16.5
10 18	2 31.33	+14 36.5	1.139	2.117	7.2	16.2
10 28	2 19.12	+14 36.1	1.141	2.134	1.3	15.9
11 7	2 7.03	+14 31.5	1.169	2.151	4.7	16.2
11 17	1 56.66	+14 27.8	1.222	2.168	10.2	16.6
11 27	1 49.21	+14 30.4	1.300	2.185	14.8	16.9
12 7	1 45.22	+14 42.9	1.396	2.202	18.6	17.2

516020 2015 SK_6 10 29.8 38°12 6°4/ 2.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 48.38	+27 10.0	1.517	2.345	17.2	20.7
10 8	2 41.00	+28 25.1	1.468	2.365	13.6	20.5
10 18	2 30.85	+29 20.1	1.441	2.386	9.8	20.3
10 28	2 19.06	+29 51.6	1.439	2.407	6.9	20.2
11 7	2 7.20	+30 0.0	1.463	2.429	6.8	20.3
11 17	1 56.76	+29 49.9	1.514	2.451	9.3	20.5
11 27	1 48.97	+29 29.1	1.589	2.474	12.6	20.7
12 7	1 44.42	+29 6.1	1.686	2.498	15.6	21.0

411039 2009 US_{140} 10 29.8 60°33 3°0/ 1.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 38.29	+25 28.5	2.175	3.004	12.6	20.9
10 8	2 33.06	+25 6.4	2.108	3.013	9.7	20.7
10 18	2 26.16	+24 28.3	2.065	3.022	6.4	20.6
10 28	2 18.33	+23 35.9	2.049	3.031	3.5	20.4
11 7	2 10.49	+22 33.3	2.062	3.041	3.6	20.4
11 17	2 3.51	+21 26.1	2.104	3.050	6.5	20.6
11 27	1 58.13	+20 20.6	2.173	3.060	9.6	20.8
12 7	1 54.82	+19 22.4	2.266	3.069	12.4	21.1

119188 2001 QO_{97} 10 29.8 11°.18 3°.9/31.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 28	2 38.94	+22 18.1	1.051	1.931	19.3	18.3
10 8	2 34.85	+22 31.0	1.000	1.934	14.7	18.1
10 18	2 27.65	+22 21.5	0.967	1.938	9.4	17.8
10 28	2 18.58	+21 50.6	0.957	1.944	4.6	17.5
11 7	2 9.39	+21 4.0	0.969	1.952	5.3	17.6
11 17	2 1.77	+20 11.1	1.005	1.961	10.3	17.9
11 27	1 57.04	+19 22.2	1.062	1.972	15.2	18.2
12 7	1 55.82	+18 45.5	1.138	1.984	19.4	18.5

518914 2010 GL_{11} 10 29.8 93°.31 3°.1/27.5 18

9 28	2 42.54	+ 5 38.9	1.962	2.834	12.0	21.5
10 8	2 35.95	+ 5 8.6	1.917	2.853	8.6	21.3
10 18	2 27.69	+ 4 37.9	1.897	2.872	5.1	21.1
10 28	2 18.57	+ 4 11.2	1.905	2.890	3.1	21.0
11 7	2 9.55	+ 3 52.7	1.942	2.909	5.3	21.2
11 17	2 1.53	+ 3 45.3	2.008	2.927	8.6	21.4
11 27	1 55.25	+ 3 51.1	2.099	2.944	11.7	21.7
12 7	1 51.13	+ 4 10.1	2.211	2.961	14.3	21.9

151075 2001 VD_{60} 10 29.8 84°.66 2°.2/31.2 18

9 28	2 44.48	+20 11.5	1.556	2.411	15.5	19.7
10 8	2 37.96	+20 11.7	1.499	2.423	11.5	19.5
10 18	2 29.05	+19 56.9	1.465	2.434	7.0	19.3
10 28	2 18.80	+19 28.5	1.456	2.446	2.7	19.0
11 7	2 8.52	+18 51.1	1.475	2.457	4.0	19.2
11 17	1 59.50	+18 10.8	1.521	2.468	8.4	19.5
11 27	1 52.77	+17 34.6	1.592	2.479	12.5	19.7
12 7	1 48.88	+17 7.9	1.685	2.490	15.9	20.0

350069 2011 HJ_{23} 10 29.8 285°.14 2°.1/29.4 17

9 28	2 59.33	+ 5 16.4	1.055	1.932	19.6	20.4
10 8	2 50.15	+ 6 28.0	0.983	1.920	14.5	20.1
10 18	2 36.64	+ 7 48.4	0.931	1.908	8.3	19.7
10 28	2 20.07	+ 9 17.2	0.905	1.897	2.4	19.3
11 7	2 2.61	+10 52.0	0.905	1.885	6.5	19.6
11 17	1 46.72	+12 29.8	0.933	1.874	13.2	19.9
11 27	1 34.46	+14 9.3	0.983	1.862	19.1	20.2
12 7	1 26.90	+15 50.6	1.052	1.851	23.8	20.5

452753 2006 BD_{221} 10 29.8 219°.23 0°.8/29.0 18

9 28	2 38.21	+12 33.9	2.552	3.413	10.0	22.0
10 8	2 32.80	+12 5.3	2.475	3.407	7.1	21.9
10 18	2 25.98	+11 30.9	2.425	3.402	3.9	21.6
10 28	2 18.33	+10 53.7	2.403	3.395	0.9	21.4
11 7	2 10.57	+10 17.2	2.411	3.389	3.2	21.6
11 17	2 3.43	+ 9 45.1	2.449	3.382	6.5	21.8
11 27	1 57.55	+ 9 20.8	2.515	3.376	9.5	22.0
12 7	1 53.40	+ 9 6.7	2.604	3.368	12.0	22.1

445315 2010 FC_{15} 10 29.8 200°.12 0°.6/29.3 18

9 28	2 42.39	+13 12.6	2.192	3.050	11.5	22.5
10 8	2 35.98	+12 51.5	2.116	3.047	8.2	22.3
10 18	2 27.82	+12 23.5	2.066	3.043	4.5	22.1
10 28	2 18.62	+11 51.4	2.045	3.038	0.8	21.8
11 7	2 9.29	+11 19.2	2.054	3.033	3.5	22.0
11 17	2 0.73	+10 50.8	2.092	3.027	7.3	22.2
11 27	1 53.73	+10 30.3	2.157	3.020	10.7	22.4
12 7	1 48.83	+10 20.4	2.246	3.013	13.6	22.6

119117 2001 OB_{82} 10 29.8 57°.73 1°.5/28.9 18

9 28	2 43.27	+12 41.9	1.280	2.164	16.3	19.2
10 8	2 37.12	+12 1.4	1.242	2.184	11.6	19.0
10 18	2 28.53	+11 11.8	1.226	2.206	6.3	18.7
10 28	2 18.71	+10 19.1	1.235	2.227	1.6	18.5
11 7	2 9.12	+ 9 30.9	1.270	2.249	5.2	18.8
11 17	2 1.03	+ 8 53.8	1.331	2.271	10.1	19.2
11 27	1 55.43	+ 8 32.6	1.415	2.293	14.4	19.5
12 7	1 52.75	+ 8 29.1	1.519	2.315	17.8	19.8

435481 2008 FS_{124} 10 29.8 278°.86 5°.1/26.6 18

9 28	2 42.09	+ 4 12.0	1.439	2.327	14.6	21.5
10 8	2 36.42	+ 3 14.9	1.375	2.318	10.7	21.3
10 18	2 28.31	+ 2 16.5	1.334	2.309	6.8	21.1
10 28	2 18.72	+ 1 24.7	1.319	2.300	5.1	20.9
11 7	2 8.93	+ 0 47.0	1.329	2.291	7.8	21.1
11 17	2 0.24	+ 0 28.9	1.365	2.282	12.0	21.3
11 27	1 53.75	+ 0 33.4	1.423	2.273	16.0	21.5
12 7	1 50.10	+ 0 59.9	1.500	2.265	19.4	21.7

84037 2002 PH_{50} 10 29.8 46°.81 2°.6/28.4 18

9 28	2 43.53	+10 20.1	1.092	1.986	17.7	18.4
10 8	2 37.50	+ 9 38.4	1.061	2.009	12.5	18.2
10 18	2 28.78	+ 8 50.2	1.051	2.032	6.8	18.0
10 28	2 18.75	+ 8 2.8	1.065	2.056	2.7	17.8
11 7	2 9.04	+ 7 24.2	1.104	2.081	6.2	18.1
11 17	2 1.06	+ 7 0.5	1.167	2.106	11.3	18.5
11 27	1 55.83	+ 6 55.4	1.251	2.131	15.7	18.8
12 7	1 53.76	+ 7 9.2	1.355	2.157	19.3	19.1

184375 2005 KM_{7} 10 29.8 84°.20 4°.6/26.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 28	2 45.29	+ 4 30.6	1.481	2.361	14.7	20.4
10 8	2 38.19	+ 3 35.7	1.448	2.387	10.5	20.3
10 18	2 28.99	+ 2 41.8	1.439	2.413	6.4	20.1
10 28	2 18.79	+ 1 55.9	1.456	2.438	4.6	20.1
11 7	2 8.88	+ 1 24.1	1.501	2.463	7.1	20.3
11 17	2 0.37	+ 1 10.2	1.571	2.487	10.8	20.5
11 27	1 54.11	+ 1 15.6	1.666	2.511	14.3	20.8
12 7	1 50.53	+ 1 39.2	1.780	2.534	17.2	21.1

487077 2014 OQ_{105} 10 29.8 189°.69 6°.2/ 4.6 18

9 28	2 43.25	+34 34.6	2.367	3.138	13.5	21.3
10 8	2 36.82	+34 58.6	2.285	3.138	11.2	21.2
10 18	2 28.40	+35 3.2	2.225	3.137	8.7	21.0
10 28	2 18.75	+34 46.8	2.191	3.135	6.7	20.9
11 7	2 8.90	+34 10.5	2.185	3.134	6.2	20.9
11 17	1 59.88	+33 18.0	2.206	3.132	7.6	20.9
11 27	1 52.61	+32 15.9	2.255	3.130	9.9	21.1
12 7	1 47.69	+31 11.6	2.328	3.128	12.2	21.2

504942 2011 DK_{3} 10 29.8 239°.29 8°.6/ 4.4 18

9 28	2 47.53	+34 32.4	1.608	2.401	17.9	20.9
10 8	2 40.81	+35 28.0	1.533	2.398	15.0	20.7
10 18	2 31.01	+35 58.6	1.477	2.394	11.9	20.5
10 28	2 19.19	+35 59.2	1.445	2.391	9.3	20.3
11 7	2 6.92	+35 29.7	1.438	2.388	8.7	20.3
11 17	1 55.87	+34 35.1	1.456	2.384	10.5	20.4
11 27	1 47.48	+33 25.3	1.499	2.380	13.5	20.5
12 7	1 42.56	+32 12.0	1.563	2.377	16.6	20.7

399685 2004 TH_{71} 10 29.8 25°.10 0°.6/29.3 18

9 28	2 36.35	+16 22.4	1.802	2.673	13.0	20.1
10 8	2 31.85	+15 11.0	1.742	2.679	9.3	19.9
10 18	2 25.56	+13 47.1	1.707	2.685	5.1	19.6
10 28	2 18.30	+12 16.6	1.699	2.692	0.8	19.3
11 7	2 11.04	+10 46.9	1.719	2.699	3.9	19.6
11 17	2 4.72	+ 9 25.6	1.767	2.707	8.1	19.9
11 27	2 0.11	+ 8 18.8	1.841	2.715	11.8	20.1
12 7	1 57.68	+ 7 30.3	1.938	2.723	14.9	20.3

394213 2006 SZ_{233} 10 29.8 73°.76 2°.1/31.5 18

9 28	2 41.22	+21 19.9	1.816	2.665	13.9	21.2
10 8	2 35.37	+21 4.8	1.757	2.677	10.3	21.0
10 18	2 27.54	+20 34.8	1.722	2.689	6.3	20.8
10 28	2 18.61	+19 52.4	1.713	2.701	2.6	20.6
11 7	2 9.69	+19 1.9	1.732	2.714	3.6	20.7
11 17	2 1.81	+18 9.5	1.779	2.726	7.4	21.0
11 27	1 55.85	+17 21.5	1.853	2.738	11.1	21.2
12 7	1 52.30	+16 43.1	1.949	2.750	14.2	21.5

412645 2014 OV_{187} 10 29.8 65°.89 6°.7/ 4.9 17

9 28	2 43.93	+34 55.5	2.193	2.967	14.3	21.2
10 8	2 37.35	+35 34.8	2.130	2.982	11.9	21.0
10 18	2 28.69	+35 53.8	2.088	2.997	9.4	20.9
10 28	2 18.81	+35 50.2	2.072	3.013	7.4	20.8
11 7	2 8.83	+35 25.3	2.083	3.028	6.8	20.8
11 17	1 59.84	+34 43.1	2.121	3.043	8.0	20.9
11 27	1 52.77	+33 50.4	2.185	3.059	10.2	21.1
12 7	1 48.19	+32 54.6	2.273	3.074	12.4	21.3

354467 2004 CZ_{52} 10 29.8 10°.03 11°.2/ 6.5 17

9 28	2 38.55	+36 21.2	1.120	1.945	22.2	19.5
10 8	2 34.96	+37 32.5	1.069	1.950	18.8	19.3
10 18	2 27.92	+38 9.0	1.034	1.956	15.3	19.1
10 28	2 18.72	+38 4.8	1.019	1.964	12.4	18.9
11 7	2 9.28	+37 21.2	1.024	1.975	11.2	18.9
11 17	2 1.50	+36 6.3	1.050	1.987	12.6	19.0
11 27	1 56.91	+34 34.2	1.098	2.001	15.4	19.3
12 7	1 56.17	+32 59.7	1.165	2.017	18.5	19.5

398947 2013 DS_{2} 10 29.8 43°.30 1°.1/29.1 18

9 28	2 40.19	+12 41.6	1.712	2.586	13.4	21.2
10 8	2 34.69	+12 11.7	1.654	2.592	9.5	21.0
10 18	2 27.19	+11 34.1	1.619	2.598	5.2	20.8
10 28	2 18.58	+10 52.9	1.612	2.604	1.2	20.5
11 7	2 9.94	+10 13.6	1.632	2.611	4.3	20.7
11 17	2 2.31	+ 9 41.3	1.679	2.618	8.5	21.0
11 27	1 56.56	+ 9 20.4	1.752	2.625	12.3	21.3
12 7	1 53.22	+ 9 13.5	1.846	2.632	15.5	21.5

223952 2004 XC_{49} 10 29.8 4°.53 5°.0/26.9 18

9 28	2 40.42	+ 1 5.0	1.624	2.509	13.4	18.8
10 8	2 34.91	+ 0 48.7	1.570	2.509	9.9	18.6
10 18	2 27.35	+ 0 36.8	1.538	2.510	6.5	18.4
10 28	2 18.61	+ 0 34.5	1.533	2.512	5.0	18.3
11 7	2 9.83	+ 0 45.7	1.554	2.514	7.1	18.5
11 17	2 2.07	+ 1 12.4	1.601	2.518	10.6	18.7
11 27	1 56.23	+ 1 55.1	1.672	2.523	14.0	18.9
12 7	1 52.86	+ 2 52.4	1.764	2.528	16.9	19.1

181913 1999 TS_{44} 10 29.8 309°.11 0°.9/30.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 28	2 40.76	+18 32.4	1.337	2.211	16.4	20.3
10 8	2 35.79	+17 58.0	1.266	2.201	12.1	20.1
10 18	2 28.12	+17 5.6	1.216	2.193	7.0	19.7
10 28	2 18.77	+15 59.0	1.191	2.184	1.6	19.4
11 7	2 9.15	+14 45.7	1.192	2.175	4.4	19.6
11 17	2 0.71	+13 35.0	1.219	2.167	9.9	19.9
11 27	1 54.67	+12 36.0	1.269	2.160	14.7	20.1
12 7	1 51.74	+11 54.9	1.339	2.152	18.8	20.4

287656 2003 MF_{4} 10 29.8 124°.53 4°.0/ 3.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 39.93	+30 41.7	2.594	3.387	11.9	20.4
10 8	2 34.06	+30 20.4	2.524	3.400	9.4	20.3
10 18	2 26.69	+29 42.2	2.477	3.412	6.8	20.1
10 28	2 18.51	+28 47.7	2.457	3.424	4.5	20.0
11 7	2 10.35	+27 40.3	2.467	3.436	4.1	20.0
11 17	2 3.01	+26 24.8	2.507	3.447	6.0	20.2
11 27	1 57.14	+25 7.5	2.576	3.458	8.5	20.3
12 7	1 53.19	+23 54.2	2.670	3.469	10.9	20.5

230240 2001 UY_{114} 10 29.8 347°.42 0°.7/29.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 40.17	+13 7.7	1.187	2.078	16.8	20.2
10 8	2 35.54	+12 57.7	1.124	2.070	12.1	19.9
10 18	2 28.05	+12 37.5	1.082	2.063	6.8	19.6
10 28	2 18.76	+12 11.3	1.064	2.057	1.1	19.2
11 7	2 9.20	+11 45.0	1.070	2.052	5.1	19.4
11 17	2 0.90	+11 25.3	1.100	2.048	10.7	19.7
11 27	1 55.17	+11 18.0	1.153	2.046	15.7	20.0
12 7	1 52.72	+11 26.5	1.224	2.044	19.9	20.3

400491 2008 JW_{3} 10 29.8 50°.99 5°.6/24.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 37.19	+ 2 5.5	1.801	2.686	12.2	20.4
10 8	2 32.24	+ 0 20.2	1.769	2.709	8.9	20.2
10 18	2 25.69	− 1 22.0	1.764	2.731	6.2	20.1
10 28	2 18.35	− 2 52.8	1.786	2.754	5.7	20.1
11 7	2 11.16	− 4 5.3	1.835	2.777	7.8	20.3
11 17	2 4.96	− 4 54.9	1.911	2.801	10.7	20.5
11 27	2 0.43	− 5 20.3	2.010	2.824	13.4	20.7
12 7	1 57.96	− 5 22.8	2.128	2.848	15.7	21.0

21215 1994 UQ 10 29.8 122°.32 3°.4/27.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 44.04	+ 4 21.7	1.994	2.863	12.0	17.8
10 8	2 37.12	+ 4 2.7	1.940	2.874	8.6	17.6
10 18	2 28.43	+ 3 44.5	1.911	2.884	5.2	17.4
10 28	2 18.79	+ 3 31.0	1.911	2.894	3.4	17.3
11 7	2 9.18	+ 3 25.8	1.939	2.904	5.4	17.5
11 17	2 0.52	+ 3 31.6	1.997	2.914	8.8	17.7
11 27	1 53.60	+ 3 49.8	2.080	2.923	11.9	17.9
12 7	1 48.90	+ 4 20.4	2.185	2.932	14.6	18.2

456037 2005 YB_{158} 10 29.8 17°.91 5°.5/26.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 38.58	+ 4 54.1	1.039	1.947	17.2	19.7
10 8	2 34.25	+ 3 59.6	1.002	1.954	12.4	19.5
10 18	2 27.17	+ 3 5.3	0.984	1.963	7.6	19.3
10 28	2 18.60	+ 2 20.5	0.989	1.974	5.5	19.2
11 7	2 10.12	+ 1 53.5	1.017	1.985	8.5	19.4
11 17	2 3.17	+ 1 49.2	1.068	1.999	13.1	19.7
11 27	1 58.84	+ 2 9.3	1.139	2.013	17.4	20.0
12 7	1 57.63	+ 2 51.5	1.227	2.029	20.9	20.3

160454 2005 WU_{27} 10 29.8 305°.76 0°.1/29.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 41.39	+15 31.3	1.434	2.310	15.4	21.4
10 8	2 36.20	+15 15.5	1.356	2.294	11.2	21.2
10 18	2 28.38	+14 47.3	1.300	2.277	6.4	20.8
10 28	2 18.83	+14 9.8	1.269	2.262	1.1	20.4
11 7	2 8.89	+13 28.5	1.264	2.246	4.4	20.7
11 17	1 59.96	+12 50.1	1.285	2.231	9.7	20.9
11 27	1 53.28	+12 21.6	1.330	2.216	14.5	21.2
12 7	1 49.61	+12 7.7	1.395	2.202	18.5	21.4

142273 2002 RD_{115} 10 29.8 178°.62 5°.9/ 3.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 44.42	+32 31.7	2.179	2.965	14.0	20.2
10 8	2 37.76	+32 53.6	2.100	2.966	11.4	20.0
10 18	2 28.98	+32 56.0	2.043	2.967	8.7	19.8
10 28	2 18.91	+32 37.1	2.013	2.967	6.5	19.7
11 7	2 8.64	+31 58.5	2.010	2.968	6.0	19.6
11 17	1 59.28	+31 4.6	2.035	2.967	7.7	19.8
11 27	1 51.81	+30 2.4	2.088	2.966	10.3	19.9
12 7	1 46.81	+28 59.6	2.164	2.965	13.0	20.1

119191 2001 QO_{104} 10 29.8 229°.12 4°.1/ 1.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 44.58	+24 59.7	1.656	2.492	15.6	19.8
10 8	2 38.28	+25 11.5	1.580	2.488	12.1	19.6
10 18	2 29.43	+25 4.7	1.526	2.484	8.1	19.4
10 28	2 19.00	+24 38.9	1.498	2.479	4.7	19.2
11 7	2 8.29	+23 57.1	1.497	2.474	4.9	19.2
11 17	1 58.64	+23 5.3	1.523	2.469	8.5	19.4
11 27	1 51.24	+22 11.7	1.575	2.464	12.5	19.6
12 7	1 46.75	+21 24.2	1.649	2.459	16.0	19.8

33859 2000 HX_{82} 10 29.8 37°.30 0°.8/29.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 28	2 42.23	+14 38.6	0.947	1.845	19.4	18.7
10 8	2 37.07	+14 3.9	0.911	1.859	13.8	18.4
10 18	2 28.79	+13 15.0	0.894	1.875	7.6	18.2
10 28	2 18.87	+12 18.6	0.899	1.892	1.2	17.8
11 7	2 9.14	+11 24.5	0.927	1.910	5.6	18.2
11 17	2 1.27	+10 41.6	0.979	1.928	11.5	18.6
11 27	1 56.43	+10 16.8	1.051	1.948	16.6	18.9
12 7	1 55.09	+10 12.6	1.141	1.967	20.6	19.3

282889 2007 FP_{25} 10 29.8 221°.41 0°.1/29.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 43.14	+15 48.0	1.847	2.706	13.2	21.9
10 8	2 36.88	+15 25.9	1.770	2.699	9.6	21.6
10 18	2 28.52	+14 53.3	1.717	2.692	5.4	21.4
10 28	2 18.86	+14 12.9	1.691	2.684	0.9	21.0
11 7	2 8.99	+13 29.5	1.695	2.676	3.7	21.2
11 17	2 0.02	+12 48.5	1.726	2.667	8.1	21.5
11 27	1 52.92	+12 15.5	1.784	2.658	12.1	21.7
12 7	1 48.28	+11 54.6	1.864	2.648	15.4	21.9

21326 Nitta–machi 10 29.8 62°.24 2°.0/31.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 43.07	+19 51.9	1.600	2.457	15.1	18.0
10 8	2 36.97	+19 51.0	1.541	2.466	11.1	17.8
10 18	2 28.56	+19 35.7	1.506	2.476	6.7	17.6
10 28	2 18.85	+19 7.8	1.496	2.486	2.6	17.3
11 7	2 9.10	+18 31.5	1.513	2.496	3.9	17.4
11 17	2 0.51	+17 52.8	1.558	2.506	8.2	17.7
11 27	1 54.10	+17 18.3	1.628	2.516	12.2	18.0
12 7	1 50.42	+16 53.1	1.720	2.526	15.6	18.2

482224 2010 XF_{66} 10 29.8 175°.46 4°.9/24.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 37.90	− 1 43.3	2.503	3.373	9.8	21.6
10 8	2 32.54	− 2 34.1	2.446	3.374	7.4	21.4
10 18	2 25.85	− 3 20.8	2.416	3.375	5.4	21.3
10 28	2 18.42	− 3 58.8	2.413	3.375	5.0	21.3
11 7	2 10.97	− 4 24.1	2.440	3.376	6.5	21.4
11 17	2 4.17	− 4 34.2	2.494	3.376	8.8	21.5
11 27	1 58.63	− 4 27.9	2.573	3.376	11.2	21.7
12 7	1 54.78	− 4 6.1	2.673	3.376	13.2	21.8

436502 2011 FZ_{1} 10 29.8 159°.67 4°.9/25.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 42.68	+ 1 16.2	2.018	2.889	11.8	21.8
10 8	2 36.15	+ 0 16.3	1.964	2.896	8.7	21.7
10 18	2 27.91	− 0 41.2	1.936	2.902	5.9	21.5
10 28	2 18.75	− 1 30.4	1.936	2.908	5.0	21.5
11 7	2 9.59	− 2 6.0	1.966	2.913	6.9	21.6
11 17	2 1.35	− 2 24.6	2.022	2.918	9.9	21.8
11 27	1 54.79	− 2 24.6	2.104	2.921	12.8	22.0
12 7	1 50.37	− 2 6.7	2.206	2.924	15.3	22.2

9559 1987 DH_{6} 10 29.8 141°.38 0°.5/30.3 18 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 41.12	+17 18.5	2.059	2.913	12.3	17.9
10 8	2 35.14	+16 51.7	1.994	2.920	8.9	17.7
10 18	2 27.40	+16 14.4	1.953	2.927	5.1	17.5
10 28	2 18.68	+15 29.3	1.940	2.933	1.1	17.2
11 7	2 9.91	+14 41.0	1.957	2.939	3.2	17.4
11 17	2 2.03	+13 54.6	2.002	2.944	7.1	17.7
11 27	1 55.81	+13 15.2	2.075	2.949	10.6	17.9
12 7	1 51.75	+12 46.5	2.170	2.954	13.5	18.1

518770 2009 VB_{119} 10 29.8 76°.40 2°.8/ 1.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 38.56	+24 58.2	2.285	3.113	12.1	21.3
10 8	2 33.25	+24 39.1	2.216	3.121	9.3	21.1
10 18	2 26.33	+24 5.2	2.172	3.129	6.1	20.9
10 28	2 18.51	+23 17.9	2.155	3.138	3.3	20.8
11 7	2 10.66	+22 21.1	2.167	3.146	3.4	20.8
11 17	2 3.62	+21 19.7	2.208	3.154	6.3	21.0
11 27	1 58.12	+20 19.7	2.277	3.163	9.3	21.2
12 7	1 54.60	+19 26.3	2.370	3.171	12.0	21.4

454951 2015 TJ_{193} 10 29.8 321°.96 3°.2/26.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 35.81	+10 54.5	1.689	2.574	13.0	20.6
10 8	2 31.70	+ 9 3.0	1.616	2.561	9.2	20.3
10 18	2 25.64	+ 7 0.0	1.569	2.548	5.3	20.0
10 28	2 18.42	+ 4 54.4	1.549	2.536	3.3	19.9
11 7	2 11.05	+ 2 56.5	1.558	2.524	6.3	20.1
11 17	2 4.54	+ 1 15.8	1.594	2.513	10.4	20.3
11 27	1 59.79	− 0 1.1	1.654	2.502	14.2	20.5
12 7	1 57.33	− 0 51.4	1.734	2.492	17.4	20.7

312419 2008 GL_{19} 10 29.8 295°.73 4°.9/25.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 37.90	+ 2 6.0	1.964	2.844	11.6	19.8
10 8	2 32.90	+ 0 58.0	1.902	2.839	8.5	19.6
10 18	2 26.19	− 0 9.1	1.865	2.834	5.8	19.5
10 28	2 18.50	− 1 8.9	1.856	2.829	5.0	19.4
11 7	2 10.72	− 1 55.4	1.874	2.824	7.1	19.5
11 17	2 3.73	− 2 24.3	1.919	2.819	10.1	19.7
11 27	1 58.31	− 2 33.2	1.988	2.814	13.1	19.9
12 7	1 54.95	− 2 22.5	2.077	2.809	15.7	20.1

2020	α_{2000}	δ_{2000}	Δ	r	β	V
188400 2004 ED_{12}			10 29.9 280°.93		2°.0/28.6 18	
	h m	° ′			°	m
9 28	2 42.04	+11 35.2	1.481	2.361	14.7	20.4
10 8	2 36.58	+10 52.9	1.401	2.342	10.6	20.2
10 18	2 28.58	+10 0.8	1.345	2.324	5.9	19.8
10 28	2 18.92	+ 9 4.2	1.314	2.306	2.0	19.5
11 7	2 8.88	+ 8 10.3	1.310	2.287	5.5	19.7
11 17	1 59.81	+ 7 26.3	1.332	2.268	10.5	20.0
11 27	1 52.90	+ 6 58.5	1.378	2.250	15.1	20.2
12 7	1 48.90	+ 6 50.1	1.443	2.231	19.0	20.4
511430 2014 HS_{194}			10 29.9 201°.83		0°.8/29.2 18	
9 28	2 42.09	+12 40.8	2.323	3.181	11.0	22.0
10 8	2 35.75	+12 18.3	2.246	3.176	7.8	21.8
10 18	2 27.75	+11 49.6	2.195	3.171	4.3	21.6
10 28	2 18.77	+11 17.5	2.173	3.166	0.9	21.3
11 7	2 9.66	+10 45.7	2.181	3.160	3.4	21.5
11 17	2 1.26	+10 18.0	2.219	3.153	7.1	21.7
11 27	1 54.33	+ 9 58.2	2.285	3.145	10.3	21.9
12 7	1 49.39	+ 9 48.6	2.373	3.137	13.1	22.1
124705 2001 SR_{149}			10 29.9 149°.30		3°.4/ 1.3 18	
9 28	2 44.66	+24 0.1	1.751	2.587	14.9	19.5
10 8	2 38.10	+24 2.7	1.683	2.592	11.4	19.3
10 18	2 29.24	+23 48.1	1.637	2.597	7.4	19.1
10 28	2 19.01	+23 16.7	1.618	2.601	4.0	18.9
11 7	2 8.66	+22 32.2	1.626	2.605	4.3	18.9
11 17	1 59.40	+21 40.5	1.663	2.609	7.9	19.1
11 27	1 52.27	+20 49.2	1.726	2.612	11.7	19.4
12 7	1 47.85	+20 4.9	1.811	2.615	15.0	19.6
520700 2014 QZ_{465}			10 29.9 105°.98		6°.2/22.5 18	
9 28	2 36.93	− 5 13.1	2.542	3.410	9.8	21.6
10 8	2 31.77	− 6 50.4	2.508	3.426	7.7	21.5
10 18	2 25.38	− 8 20.8	2.500	3.443	6.3	21.5
10 28	2 18.38	− 9 38.2	2.522	3.459	6.4	21.5
11 7	2 11.44	−10 37.9	2.571	3.475	7.8	21.6
11 17	2 5.19	−11 17.1	2.647	3.490	9.8	21.8
11 27	2 0.18	−11 35.2	2.747	3.505	11.7	21.9
12 7	1 56.78	−11 33.6	2.867	3.520	13.3	22.1
414598 2009 UZ_{81}			10 29.9 275°.28		0°.1/29.9 17	
9 28	2 40.38	+14 41.2	2.314	3.171	11.0	21.1
10 8	2 34.63	+14 38.5	2.230	3.159	8.0	20.9
10 18	2 27.18	+14 29.1	2.172	3.147	4.5	20.7
10 28	2 18.69	+14 14.5	2.141	3.134	0.8	20.4
11 7	2 9.99	+13 57.8	2.141	3.122	3.1	20.5
11 17	2 1.93	+13 42.1	2.170	3.110	6.8	20.8
11 27	1 55.29	+13 31.2	2.226	3.097	10.1	20.9
12 7	1 50.62	+13 27.8	2.305	3.085	13.0	21.1
363934 2005 TM_{64}			10 29.9 18°.77		0°.4/30.2 18	
9 28	2 41.07	+15 28.8	1.826	2.690	13.1	21.6
10 8	2 35.35	+15 26.4	1.761	2.693	9.5	21.4
10 18	2 27.64	+15 15.1	1.720	2.695	5.4	21.2
10 28	2 18.76	+14 57.0	1.705	2.698	1.0	20.9
11 7	2 9.77	+14 35.9	1.719	2.701	3.5	21.1
11 17	2 1.70	+14 16.1	1.761	2.705	7.7	21.3
11 27	1 55.47	+14 2.0	1.828	2.708	11.5	21.6
12 7	1 51.61	+13 57.1	1.918	2.712	14.7	21.8
264387 2000 DR_{89}			10 29.9 329°.23		1°.7/27.3 18	
9 28	2 31.26	+ 6 26.1	4.165	5.032	6.3	20.7
10 8	2 27.49	+ 5 55.8	4.095	5.029	4.5	20.6
10 18	2 22.96	+ 5 24.7	4.052	5.026	2.6	20.4
10 28	2 18.01	+ 4 54.9	4.039	5.024	1.7	20.3
11 7	2 13.02	+ 4 28.7	4.057	5.021	2.9	20.4
11 17	2 8.36	+ 4 7.8	4.104	5.019	4.7	20.6
11 27	2 4.39	+ 3 53.9	4.179	5.016	6.5	20.7
12 7	2 1.38	+ 3 47.9	4.279	5.014	8.1	20.8
76582 2000 GV_{135}			10 29.9 159°.27		3°.9/26.7 18	
9 28	2 40.60	+ 3 46.8	2.012	2.887	11.6	19.6
10 8	2 34.75	+ 3 2.9	1.953	2.890	8.4	19.4
10 18	2 27.20	+ 2 19.3	1.919	2.892	5.3	19.3
10 28	2 18.70	+ 1 41.2	1.913	2.894	4.0	19.2
11 7	2 10.15	+ 1 13.5	1.936	2.895	6.0	19.3
11 17	2 2.46	+ 0 59.5	1.986	2.897	9.2	19.5
11 27	1 56.37	+ 1 1.4	2.061	2.898	12.3	19.7
12 7	1 52.37	+ 1 19.2	2.158	2.899	14.9	19.9
259465 2003 SM_{123}			10 29.9 61°.95		5°.1/ 2.1 18	
9 28	2 47.18	+26 29.3	1.191	2.039	19.7	19.9
10 8	2 40.38	+26 36.3	1.151	2.064	15.1	19.7
10 18	2 30.58	+26 17.3	1.130	2.088	10.2	19.5
10 28	2 19.23	+25 33.0	1.132	2.113	5.9	19.4
11 7	2 8.13	+24 29.8	1.160	2.138	5.8	19.4
11 17	1 58.88	+23 17.6	1.213	2.163	9.7	19.7
11 27	1 52.63	+22 8.0	1.289	2.188	13.9	20.0
12 7	1 49.85	+21 9.7	1.386	2.213	17.6	20.4

2020	α_{2000}	δ_{2000}	Δ	r	β	V
180710 2004 HE_{67}			10 29.9 69°.54		0°.5/29.6 18	
	h m	° ′			°	m
9 28	2 44.12	+12 12.8	1.891	2.754	12.8	19.8
10 8	2 37.37	+12 20.2	1.834	2.767	9.1	19.6
10 18	2 28.69	+12 22.0	1.803	2.780	5.1	19.4
10 28	2 18.95	+12 20.5	1.799	2.792	0.8	19.1
11 7	2 9.20	+12 18.5	1.825	2.805	3.7	19.4
11 17	2 0.45	+12 19.2	1.879	2.818	7.7	19.7
11 27	1 53.55	+12 25.6	1.960	2.831	11.3	19.9
12 7	1 49.01	+12 40.1	2.063	2.844	14.2	20.1
179822 2002 TC_{115}			10 29.9 113°.09		6°.1/ 3.9 18	
9 28	2 45.12	+32 5.2	2.009	2.802	14.8	20.1
10 8	2 38.37	+32 34.2	1.941	2.811	12.1	19.9
10 18	2 29.39	+32 42.7	1.895	2.821	9.1	19.8
10 28	2 19.08	+32 29.1	1.874	2.830	6.7	19.6
11 7	2 8.64	+31 54.9	1.881	2.839	6.2	19.6
11 17	1 59.25	+31 5.1	1.915	2.848	8.0	19.7
11 27	1 51.89	+30 6.9	1.976	2.857	10.7	19.9
12 7	1 47.17	+29 8.4	2.060	2.865	13.4	20.1
511891 2015 HN_{8}			10 29.9 130°.82		1°.6/28.9 17	
9 28	2 45.24	+10 53.1	1.700	2.569	13.7	21.7
10 8	2 38.32	+10 30.5	1.644	2.579	9.8	21.5
10 18	2 29.27	+10 2.1	1.612	2.589	5.4	21.2
10 28	2 19.06	+ 9 31.9	1.607	2.599	1.6	21.0
11 7	2 8.84	+ 9 4.6	1.631	2.608	4.6	21.2
11 17	1 59.75	+ 8 45.0	1.683	2.617	8.9	21.5
11 27	1 52.72	+ 8 36.8	1.760	2.625	12.7	21.8
12 7	1 48.25	+ 8 41.9	1.859	2.632	15.8	22.0
144758 2004 HR_{7}			10 29.9 6°.42		0°.3/29.6 18	
9 28	2 41.80	+13 31.4	1.843	2.710	12.9	20.2
10 8	2 35.88	+13 24.1	1.776	2.710	9.3	19.9
10 18	2 27.96	+13 9.4	1.733	2.710	5.2	19.7
10 28	2 18.86	+12 50.1	1.717	2.710	0.8	19.4
11 7	2 9.64	+12 29.9	1.730	2.711	3.7	19.6
11 17	2 1.32	+12 13.0	1.770	2.711	8.0	19.9
11 27	1 54.82	+12 3.5	1.837	2.712	11.7	20.1
12 7	1 50.70	+12 4.2	1.925	2.712	14.9	20.3
94337 2001 QQ_{22}			10 29.9 11°.88		2°.6/31.2 18	
9 28	2 40.09	+19 52.8	0.906	1.800	20.5	18.6
10 8	2 36.05	+19 53.7	0.858	1.802	15.2	18.3
10 18	2 28.55	+19 32.4	0.828	1.805	9.2	18.0
10 28	2 18.98	+18 51.6	0.819	1.810	3.4	17.7
11 7	2 9.28	+17 59.0	0.832	1.816	5.3	17.8
11 17	2 1.33	+17 5.0	0.866	1.824	11.3	18.2
11 27	1 56.58	+16 20.8	0.921	1.833	16.7	18.5
12 7	1 55.65	+15 53.3	0.994	1.843	21.3	18.9
443476 2014 JK_{7}			10 29.9 18°.10		3°.1/27.8 18	
9 28	2 41.39	+ 6 52.9	1.701	2.580	13.2	21.2
10 8	2 35.62	+ 6 24.7	1.642	2.582	9.4	21.0
10 18	2 27.82	+ 5 54.5	1.606	2.583	5.5	20.7
10 28	2 18.85	+ 5 27.0	1.597	2.585	3.1	20.6
11 7	2 9.81	+ 5 7.3	1.616	2.587	5.6	20.8
11 17	2 1.76	+ 4 59.2	1.662	2.589	9.5	21.0
11 27	1 55.60	+ 5 5.5	1.732	2.591	13.2	21.2
12 7	1 51.88	+ 5 26.8	1.824	2.594	16.2	21.5
197985 2004 RC_{150}			10 29.9 99°.80		3°.6/27.3 18	
9 28	2 43.06	+ 6 17.2	1.707	2.584	13.3	20.5
10 8	2 36.60	+ 5 23.6	1.663	2.602	9.5	20.3
10 18	2 28.24	+ 4 28.6	1.644	2.619	5.6	20.1
10 28	2 18.90	+ 3 38.2	1.652	2.637	3.6	20.0
11 7	2 9.69	+ 2 58.3	1.688	2.654	6.1	20.2
11 17	2 1.61	+ 2 33.2	1.752	2.670	9.7	20.5
11 27	1 55.48	+ 2 25.4	1.840	2.686	13.1	20.7
12 7	1 51.74	+ 2 35.0	1.949	2.702	15.9	21.0
102359 1999 TO_{134}			10 29.9 118°.25		1°.3/30.8 18	
9 28	2 42.73	+18 32.5	1.761	2.617	13.9	20.3
10 8	2 36.66	+18 25.3	1.694	2.620	10.3	20.1
10 18	2 28.44	+18 5.8	1.651	2.623	6.1	19.9
10 28	2 18.96	+17 35.7	1.634	2.625	1.9	19.6
11 7	2 9.36	+16 59.3	1.646	2.628	3.6	19.7
11 17	2 0.76	+16 22.0	1.685	2.631	7.9	20.0
11 27	1 54.14	+15 49.6	1.750	2.633	11.8	20.2
12 7	1 50.05	+15 26.7	1.838	2.636	15.1	20.5
163858 2003 SU_{93}			10 29.9 101°.68		3°.3/ 1.1 18	
9 28	2 46.47	+22 41.9	1.843	2.678	14.3	19.9
10 8	2 39.27	+23 7.3	1.782	2.691	10.9	19.7
10 18	2 29.86	+23 18.2	1.744	2.704	7.1	19.5
10 28	2 19.18	+23 14.4	1.734	2.717	3.8	19.3
11 7	2 8.42	+22 58.2	1.751	2.729	4.2	19.4
11 17	1 58.75	+22 34.0	1.798	2.741	7.6	19.6
11 27	1 51.16	+22 7.8	1.871	2.753	11.1	19.9
12 7	1 46.22	+21 45.4	1.967	2.765	14.2	20.1

89211 2001 UX_{108} 10 29.9 359°.19 1°.2/29.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 28	2 41.21	+11 15.9	1.780	2.653	13.0	19.5
10 8	2 35.49	+11 4.5	1.715	2.652	9.3	19.3
10 18	2 27.76	+10 47.7	1.673	2.651	5.1	19.1
10 28	2 18.85	+10 28.4	1.659	2.651	1.3	18.8
11 7	2 9.81	+10 11.0	1.672	2.651	4.2	19.0
11 17	2 1.69	+ 9 59.5	1.714	2.652	8.4	19.3
11 27	1 55.41	+ 9 57.4	1.780	2.652	12.2	19.5
12 7	1 51.52	+10 6.9	1.868	2.653	15.4	19.7

21957 1999 VU_{179} 10 29.9 334°.57 6°.0/24.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 37.79	− 2 9.4	2.028	2.906	11.4	18.4
10 8	2 32.78	− 3 14.7	1.973	2.903	8.7	18.2
10 18	2 26.14	− 4 15.1	1.942	2.901	6.5	18.1
10 28	2 18.58	− 5 4.3	1.938	2.898	6.2	18.0
11 7	2 10.97	− 5 37.0	1.961	2.896	7.9	18.1
11 17	2 4.14	− 5 49.9	2.011	2.894	10.6	18.3
11 27	1 58.83	− 5 42.0	2.084	2.891	13.3	18.5
12 7	1 55.50	− 5 14.6	2.176	2.890	15.6	18.6

81922 2000 NV_{22} 10 29.9 78°.97 2°.0/ 1.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 36.93	+24 0.6	2.539	3.369	11.0	19.3
10 8	2 31.96	+23 23.1	2.470	3.378	8.3	19.2
10 18	2 25.60	+22 32.1	2.426	3.387	5.3	19.0
10 28	2 18.49	+21 30.0	2.410	3.396	2.5	18.8
11 7	2 11.39	+20 20.7	2.424	3.405	2.9	18.9
11 17	2 5.00	+19 9.4	2.468	3.414	5.7	19.1
11 27	1 59.95	+18 1.3	2.540	3.423	8.6	19.3
12 7	1 56.65	+17 1.2	2.637	3.432	11.1	19.5

341973 2008 QO_{26} 10 29.9 53°.56 1°.0/29.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 43.39	+13 8.0	1.327	2.208	16.0	20.3
10 8	2 37.29	+12 40.6	1.286	2.227	11.4	20.1
10 18	2 28.77	+12 4.0	1.266	2.246	6.2	19.9
10 28	2 18.99	+11 23.2	1.272	2.265	1.2	19.6
11 7	2 9.38	+10 44.7	1.305	2.285	4.8	19.9
11 17	2 1.20	+10 14.6	1.363	2.305	9.7	20.2
11 27	1 55.44	+ 9 57.8	1.445	2.326	13.9	20.5
12 7	1 52.58	+ 9 56.5	1.547	2.346	17.4	20.8

18401 1992 WE_{4} 10 29.9 12°.49 8°.9/26.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 46.84	− 6 28.4	1.177	2.061	17.4	16.9
10 8	2 40.05	− 6 31.5	1.133	2.064	13.6	16.7
10 18	2 30.44	− 6 17.9	1.110	2.069	10.2	16.6
10 28	2 19.28	− 5 41.0	1.110	2.075	8.9	16.5
11 7	2 8.19	− 4 38.2	1.134	2.082	10.8	16.6
11 17	1 58.69	− 3 11.0	1.182	2.090	14.3	16.9
11 27	1 51.93	− 1 24.1	1.252	2.100	17.9	17.1
12 7	1 48.47	+ 0 36.6	1.341	2.110	21.1	17.4

390672 2002 TE_{57} 10 29.9 59°.84 12°.5/ 2.2 15

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	3 2.65	+29 44.2	0.927	1.764	24.9	20.4
10 8	2 53.58	+32 39.5	0.879	1.774	20.5	20.2
10 18	2 39.11	+35 9.0	0.850	1.784	16.1	20.0
10 28	2 20.78	+36 55.7	0.841	1.795	13.0	19.9
11 7	2 1.56	+37 50.7	0.855	1.806	12.9	19.9
11 17	1 44.76	+37 58.0	0.891	1.817	15.6	20.1
11 27	1 32.92	+37 33.8	0.947	1.829	19.4	20.4
12 7	1 27.00	+36 57.4	1.020	1.840	23.0	20.7

79880 1998 YU_{20} 10 29.9 346°.39 4°.0/ 1.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 41.17	+25 28.6	1.746	2.583	14.9	19.4
10 8	2 35.72	+25 33.7	1.673	2.581	11.5	19.2
10 18	2 28.01	+25 20.6	1.622	2.579	7.8	19.0
10 28	2 18.91	+24 49.3	1.597	2.577	4.6	18.8
11 7	2 9.62	+24 3.3	1.598	2.575	4.6	18.8
11 17	2 1.31	+23 8.3	1.627	2.574	7.9	19.0
11 27	1 55.03	+22 12.2	1.681	2.573	11.6	19.2
12 7	1 51.40	+21 22.2	1.758	2.572	15.0	19.4

516028 2015 SZ_{23} 10 29.9 39°.63 7°.9/22.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 36.66	− 4 2.4	1.697	2.582	12.9	20.3
10 8	2 32.03	− 5 56.5	1.670	2.600	10.0	20.1
10 18	2 25.70	− 7 41.3	1.668	2.619	8.2	20.1
10 28	2 18.52	− 9 7.5	1.692	2.638	8.2	20.1
11 7	2 11.47	−10 8.4	1.741	2.657	10.1	20.3
11 17	2 5.42	−10 40.9	1.815	2.677	12.6	20.5
11 27	2 1.11	−10 45.2	1.910	2.698	15.1	20.7
12 7	1 58.91	−10 24.5	2.023	2.718	17.1	20.9

494563 2017 BA_{10} 10 29.9 330°.79 9°.9/22.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 36.99	− 6 0.0	1.359	2.252	15.0	20.2
10 8	2 33.01	− 7 33.0	1.298	2.231	12.1	19.9
10 18	2 26.61	− 8 57.1	1.259	2.211	10.2	19.8
10 28	2 18.71	−10 0.8	1.243	2.191	10.3	19.7
11 7	2 10.54	−10 35.0	1.250	2.173	12.6	19.8
11 17	2 3.36	−10 34.8	1.279	2.156	15.8	20.0
11 27	1 58.29	−10 0.1	1.327	2.140	19.1	20.1
12 7	1 56.00	− 8 55.0	1.391	2.125	22.0	20.3

244088 2001 UJ_{54} 10 29.9 46°.71 7°.2/ 5.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 28	2 42.62	+34 37.9	1.800	2.591	16.4	19.4
10 8	2 36.82	+34 59.6	1.734	2.600	13.5	19.3
10 18	2 28.62	+34 56.7	1.689	2.608	10.5	19.1
10 28	2 19.02	+34 27.4	1.667	2.618	8.0	19.0
11 7	2 9.30	+33 33.8	1.672	2.627	7.2	18.9
11 17	2 0.76	+32 22.2	1.703	2.637	8.8	19.1
11 27	1 54.43	+31 1.7	1.759	2.646	11.5	19.2
12 7	1 50.91	+29 41.7	1.838	2.656	14.3	19.5

83421 2001 ST_{43} 10 29.9 109°.38 1°.8/28.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 40.43	+10 27.6	2.099	2.967	11.5	20.2
10 8	2 34.54	+ 9 42.0	2.046	2.982	8.1	20.0
10 18	2 27.07	+ 8 51.6	2.019	2.997	4.5	19.8
10 28	2 18.76	+ 8 0.7	2.020	3.011	1.8	19.6
11 7	2 10.50	+ 7 14.4	2.051	3.025	4.2	19.8
11 17	2 3.12	+ 6 36.9	2.111	3.038	7.7	20.1
11 27	1 57.32	+ 6 11.8	2.196	3.052	10.9	20.3
12 7	1 53.53	+ 6 0.6	2.304	3.065	13.5	20.5

228103 2008 SA_{192} 10 29.9 352°.67 1°.0/28.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 31.72	+ 9 25.7	4.218	5.081	6.3	20.1
10 8	2 27.84	+ 9 1.6	4.147	5.080	4.5	20.0
10 18	2 23.21	+ 8 35.5	4.103	5.080	2.5	19.9
10 28	2 18.15	+ 8 9.4	4.090	5.080	1.0	19.7
11 7	2 13.05	+ 7 45.3	4.107	5.079	2.4	19.9
11 17	2 8.29	+ 7 25.0	4.154	5.079	4.3	20.0
11 27	2 4.21	+ 7 10.2	4.229	5.079	6.2	20.1
12 7	2 1.10	+ 7 2.1	4.330	5.079	7.8	20.3

296873 2009 YV_{19} 10 29.9 279°.17 1°.3/28.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 41.60	+12 35.9	1.611	2.486	14.0	21.2
10 8	2 36.12	+12 0.3	1.533	2.471	10.1	20.9
10 18	2 28.31	+11 15.2	1.478	2.456	5.6	20.7
10 28	2 19.01	+10 25.0	1.449	2.441	1.4	20.3
11 7	2 9.40	+ 9 35.9	1.447	2.426	4.8	20.5
11 17	2 0.72	+ 8 54.4	1.473	2.411	9.5	20.8
11 27	1 54.03	+ 8 26.1	1.523	2.395	13.9	21.0
12 7	1 50.03	+ 8 14.6	1.593	2.380	17.5	21.2

494409 2016 UG_{64} 10 29.9 88°.19 0°.3/30.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 45.63	+14 42.9	1.591	2.456	14.7	21.4
10 8	2 38.83	+14 47.0	1.533	2.465	10.6	21.2
10 18	2 29.69	+14 42.0	1.498	2.474	6.0	20.9
10 28	2 19.21	+14 30.1	1.490	2.483	1.1	20.6
11 7	2 8.67	+14 15.1	1.509	2.491	3.9	20.8
11 17	1 59.31	+14 1.6	1.557	2.500	8.6	21.1
11 27	1 52.16	+13 54.3	1.629	2.509	12.7	21.4
12 7	1 47.79	+13 56.6	1.724	2.517	16.1	21.7

24251 1999 XL_{117} 10 29.9 127°.49 3°.8/ 1.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 45.52	+26 7.6	1.695	2.524	15.6	18.6
10 8	2 38.73	+25 55.4	1.633	2.537	12.0	18.4
10 18	2 29.61	+25 22.7	1.593	2.549	8.0	18.2
10 28	2 19.19	+24 30.7	1.579	2.560	4.5	18.0
11 7	2 8.78	+23 24.2	1.594	2.571	4.5	18.1
11 17	1 59.60	+22 10.5	1.636	2.582	8.0	18.3
11 27	1 52.68	+20 58.6	1.704	2.592	11.8	18.5
12 7	1 48.53	+19 55.9	1.796	2.601	15.1	18.8

272864 2006 BZ_{68} 10 29.9 8°.63 3°.6/27.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 38.78	+ 5 28.0	1.697	2.582	12.9	19.8
10 8	2 33.75	+ 4 54.1	1.642	2.584	9.3	19.6
10 18	2 26.80	+ 4 19.6	1.609	2.586	5.6	19.3
10 28	2 18.74	+ 3 49.7	1.604	2.589	3.6	19.2
11 7	2 10.64	+ 3 29.4	1.625	2.592	6.0	19.4
11 17	2 3.48	+ 3 22.6	1.672	2.596	9.7	19.6
11 27	1 58.13	+ 3 31.5	1.744	2.601	13.2	19.9
12 7	1 55.10	+ 3 56.2	1.836	2.607	16.1	20.1

255049 2005 TO_{137} 10 29.9 54°.58 0°.7/29.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 43.15	+11 41.8	1.931	2.797	12.5	20.6
10 8	2 36.74	+11 46.3	1.869	2.802	8.9	20.4
10 18	2 28.42	+11 45.7	1.831	2.808	4.9	20.2
10 28	2 19.01	+11 42.4	1.821	2.814	0.9	19.9
11 7	2 9.52	+11 39.4	1.840	2.820	3.7	20.1
11 17	2 0.94	+11 39.7	1.888	2.826	7.7	20.4
11 27	1 54.13	+11 46.4	1.962	2.833	11.3	20.6
12 7	1 49.62	+12 1.7	2.058	2.839	14.3	20.8

25733 2000 AG_{194} 10 29.9 63°.23 4°.5/ 2.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 40.64	+29 29.7	1.735	2.557	15.7	18.1
10 8	2 35.23	+28 57.9	1.670	2.566	12.3	17.9
10 18	2 27.65	+28 2.3	1.626	2.575	8.6	17.7
10 28	2 18.88	+26 44.5	1.608	2.584	5.3	17.5
11 7	2 10.12	+25 10.3	1.617	2.593	4.8	17.5
11 17	2 2.51	+23 28.1	1.654	2.602	7.8	17.7
11 27	1 56.98	+21 48.0	1.718	2.611	11.3	18.0
12 7	1 54.04	+20 18.4	1.805	2.621	14.6	18.2

2020	α_{2000}	δ_{2000}	Δ	r	β	V
138121 2000 EK_8		10 29.9 250°.36	0°.5/30.2 18			
	h m	° ′			°	m
9 28	2 43.35	+16 46.6	1.650	2.512	14.4	21.1
10 8	2 37.37	+16 25.9	1.571	2.501	10.5	20.8
10 18	2 29.00	+15 52.6	1.515	2.490	6.1	20.6
10 28	2 19.13	+15 9.3	1.486	2.479	1.2	20.2
11 7	2 8.97	+14 21.3	1.485	2.467	3.9	20.4
11 17	1 59.76	+13 34.9	1.511	2.455	8.8	20.6
11 27	1 52.62	+12 56.8	1.563	2.443	13.1	20.9
12 7	1 48.21	+12 31.7	1.636	2.430	16.8	21.1
385852 2006 OQ_5		10 29.9 142°.08	1°.6/31.4 18			
9 28	2 43.17	+20 48.4	2.492	3.323	11.2	21.8
10 8	2 36.40	+20 34.8	2.426	3.338	8.3	21.6
10 18	2 28.10	+20 10.2	2.387	3.351	5.0	21.4
10 28	2 18.96	+19 36.2	2.376	3.364	2.0	21.3
11 7	2 9.83	+18 55.9	2.396	3.377	2.8	21.3
11 17	2 1.49	+18 13.5	2.446	3.388	6.0	21.6
11 27	1 54.64	+17 33.5	2.525	3.399	9.0	21.8
12 7	1 49.74	+17 0.1	2.629	3.409	11.5	22.0
76266 2000 EE_{105}		10 29.9 166°.28	5°.8/23.6 18			
9 28	2 36.78	− 4 23.1	2.479	3.349	9.9	18.8
10 8	2 31.83	− 5 33.0	2.427	3.350	7.7	18.7
10 18	2 25.55	− 6 37.2	2.402	3.351	6.1	18.6
10 28	2 18.56	− 7 30.2	2.404	3.352	6.0	18.6
11 7	2 11.54	− 8 7.6	2.434	3.352	7.5	18.7
11 17	2 5.16	− 8 26.8	2.491	3.353	9.6	18.8
11 27	2 0.04	− 8 26.8	2.572	3.354	11.8	19.0
12 7	1 56.56	− 8 8.8	2.672	3.354	13.6	19.1
513470 2009 BJ_{192}		10 29.9 211°.30	6°.7/23.7 18			
9 28	2 39.87	− 4 1.1	2.067	2.939	11.5	21.9
10 8	2 34.27	− 5 18.6	2.011	2.935	9.0	21.8
10 18	2 27.01	− 6 30.2	1.979	2.930	7.1	21.6
10 28	2 18.80	− 7 29.0	1.975	2.925	6.9	21.6
11 7	2 10.52	− 8 9.2	1.998	2.920	8.6	21.7
11 17	2 3.03	− 8 27.6	2.047	2.915	11.2	21.9
11 27	1 57.08	− 8 23.2	2.120	2.909	13.7	22.0
12 7	1 53.16	− 7 57.7	2.212	2.902	15.9	22.2
47228 1999 VP_{26}		10 29.9 325°.65	1°.1/29.3 18			
9 28	2 42.76	+12 11.5	1.249	2.135	16.5	18.9
10 8	2 37.45	+12 0.7	1.181	2.125	11.9	18.6
10 18	2 29.25	+11 41.1	1.135	2.115	6.7	18.3
10 28	2 19.20	+11 16.7	1.113	2.106	1.4	17.9
11 7	2 8.80	+10 53.4	1.116	2.097	5.3	18.2
11 17	1 59.61	+10 37.2	1.144	2.089	10.8	18.5
11 27	1 52.96	+10 33.7	1.195	2.082	15.7	18.7
12 7	1 49.60	+10 45.9	1.264	2.075	19.9	19.0
96328 1997 GC		10 29.9 181°.05	0°.9/30.8 18			
9 28	2 42.43	+18 22.1	2.426	3.267	11.1	21.0
10 8	2 35.99	+18 6.2	2.350	3.269	8.1	20.8
10 18	2 27.94	+17 40.6	2.299	3.269	4.8	20.6
10 28	2 18.95	+17 7.1	2.278	3.269	1.4	20.3
11 7	2 9.87	+16 28.8	2.287	3.269	2.8	20.5
11 17	2 1.51	+15 50.0	2.326	3.267	6.3	20.7
11 27	1 54.62	+15 15.1	2.394	3.265	9.5	20.9
12 7	1 49.68	+14 47.7	2.485	3.263	12.2	21.1
204549 2005 ER_{191}		10 29.9 227°.34	1°.4/28.8 18			
9 28	2 41.29	+11 34.1	1.846	2.717	12.7	20.9
10 8	2 35.53	+11 3.2	1.778	2.714	9.1	20.6
10 18	2 27.81	+10 25.7	1.733	2.711	5.0	20.4
10 28	2 18.94	+ 9 45.5	1.717	2.709	1.5	20.1
11 7	2 9.94	+ 9 7.7	1.728	2.706	4.3	20.3
11 17	2 1.84	+ 8 37.2	1.768	2.703	8.5	20.6
11 27	1 55.50	+ 8 18.2	1.833	2.700	12.2	20.8
12 7	1 51.50	+ 8 13.1	1.920	2.696	15.3	21.0
56724 2000 NQ_{12}		10 29.9 208°.53	0°.6/29.4 18			
9 28	2 41.13	+15 46.2	1.906	2.768	12.8	19.4
10 8	2 35.39	+14 45.6	1.832	2.763	9.2	19.1
10 18	2 27.72	+13 32.8	1.782	2.758	5.1	18.9
10 28	2 18.93	+12 12.7	1.760	2.753	0.9	18.6
11 7	2 10.02	+10 51.7	1.768	2.747	3.9	18.8
11 17	2 2.00	+ 9 37.1	1.804	2.741	8.2	19.0
11 27	1 55.72	+ 8 35.2	1.867	2.734	12.0	19.3
12 7	1 51.74	+ 7 50.0	1.952	2.726	15.2	19.5
3310 Patsy		10 29.9 154°.49	4°.7/25.8 18			
9 28	2 39.43	− 0 2.3	2.294	3.165	10.5	15.7
10 8	2 33.79	− 0 47.2	2.237	3.168	7.8	15.5
10 18	2 26.68	− 1 28.8	2.206	3.170	5.4	15.4
10 28	2 18.75	− 2 2.2	2.203	3.173	4.7	15.3
11 7	2 10.80	− 2 23.5	2.229	3.175	6.4	15.4
11 17	2 3.59	− 2 30.0	2.283	3.177	9.0	15.6
11 27	1 57.77	− 2 20.4	2.362	3.179	11.6	15.8
12 7	1 53.79	− 1 55.4	2.462	3.180	13.8	16.0

2020	α_{2000}	δ_{2000}	Δ	r	β	V
460472 2014 SR_{266}		10 29.9 57°.35	5°.5/ 4.9 17			
	h m	° ′			°	m
9 28	2 39.96	+34 21.0	2.091	2.877	14.5	20.9
10 8	2 34.46	+33 55.1	2.029	2.895	11.8	20.8
10 18	2 27.11	+33 6.0	1.988	2.913	8.8	20.6
10 28	2 18.81	+31 54.5	1.974	2.931	6.3	20.5
11 7	2 10.61	+30 25.0	1.986	2.949	5.5	20.5
11 17	2 3.46	+28 44.6	2.028	2.968	7.2	20.6
11 27	1 58.16	+27 1.8	2.097	2.986	9.8	20.8
12 7	1 55.13	+25 24.8	2.191	3.005	12.4	21.0
219556 2001 RM_{127}		10 29.9 65°.12	1°.2/29.2 18			
9 28	2 44.99	+12 17.4	1.369	2.247	15.8	19.7
10 8	2 38.42	+11 56.5	1.326	2.266	11.3	19.5
10 18	2 29.43	+11 27.6	1.306	2.285	6.2	19.3
10 28	2 19.19	+10 55.3	1.311	2.304	1.4	19.0
11 7	2 9.09	+10 25.5	1.343	2.323	4.8	19.3
11 17	2 0.42	+10 3.6	1.402	2.342	9.6	19.6
11 27	1 54.17	+ 9 54.0	1.484	2.362	13.8	19.9
12 7	1 50.83	+ 9 58.9	1.587	2.381	17.2	20.2
118578 2000 GL_{40}		10 29.9 145°.24	1°.2/28.9 16			
9 28	2 42.67	+13 30.1	1.918	2.781	12.7	20.1
10 8	2 36.32	+12 35.9	1.859	2.792	9.0	19.9
10 18	2 28.15	+11 33.0	1.824	2.802	4.9	19.7
10 28	2 18.99	+10 26.3	1.818	2.811	1.2	19.4
11 7	2 9.85	+ 9 21.7	1.842	2.819	4.1	19.6
11 17	2 1.69	+ 8 25.2	1.894	2.827	8.1	19.9
11 27	1 55.32	+ 7 41.8	1.973	2.834	11.7	20.2
12 7	1 51.21	+ 7 14.2	2.074	2.841	14.6	20.4
114175 2002 VE_{77}		10 29.9 33°.96	3°.0/27.9 18			
9 28	2 41.45	+ 7 1.6	1.739	2.617	13.0	19.6
10 8	2 35.64	+ 6 33.6	1.680	2.620	9.3	19.3
10 18	2 27.86	+ 6 3.6	1.646	2.623	5.4	19.1
10 28	2 18.95	+ 5 36.1	1.638	2.626	3.0	19.0
11 7	2 9.98	+ 5 16.0	1.659	2.630	5.4	19.1
11 17	2 1.99	+ 5 7.2	1.706	2.633	9.3	19.4
11 27	1 55.86	+ 5 12.4	1.778	2.637	12.9	19.6
12 7	1 52.11	+ 5 32.2	1.872	2.641	15.9	19.8
43631 2002 CS_{236}		10 29.9 168°.98	4°.2/25.7 18			
9 28	2 37.92	+ 2 8.2	2.325	3.199	10.3	19.1
10 8	2 32.72	+ 1 7.7	2.267	3.201	7.5	18.9
10 18	2 26.09	+ 0 8.3	2.234	3.202	5.1	18.8
10 28	2 18.67	− 0 44.8	2.230	3.203	4.3	18.8
11 7	2 11.21	− 1 26.7	2.255	3.204	6.1	18.9
11 17	2 4.45	− 1 53.9	2.308	3.205	8.8	19.0
11 27	1 59.03	− 2 4.6	2.386	3.206	11.4	19.2
12 7	1 55.39	− 1 58.7	2.485	3.206	13.7	19.4
400357 2007 VW_{156}		10 29.9 251°.15	1°.3/28.8 18			
9 28	2 40.20	+12 13.0	1.912	2.782	12.4	21.8
10 8	2 34.73	+11 33.4	1.839	2.775	8.9	21.5
10 18	2 27.38	+10 46.1	1.790	2.769	4.9	21.3
10 28	2 18.89	+ 9 55.4	1.770	2.762	1.4	21.0
11 7	2 10.25	+ 9 6.6	1.777	2.755	4.2	21.2
11 17	2 2.43	+ 8 25.1	1.813	2.748	8.3	21.5
11 27	1 56.31	+ 7 55.5	1.875	2.740	12.0	21.7
12 7	1 52.42	+ 7 40.6	1.958	2.733	15.1	21.9
383062 2005 QD_{161}		10 29.9 333°.13	1°.8/28.9 18			
9 28	2 40.06	+11 18.1	1.174	2.069	16.7	20.3
10 8	2 35.66	+10 58.2	1.106	2.054	12.1	20.0
10 18	2 28.32	+10 29.5	1.058	2.039	6.8	19.7
10 28	2 19.07	+ 9 57.1	1.034	2.026	1.9	19.3
11 7	2 9.42	+ 9 27.8	1.034	2.014	5.8	19.6
11 17	2 0.95	+ 9 8.6	1.057	2.003	11.4	19.8
11 27	1 55.03	+ 9 5.2	1.102	1.993	16.5	20.1
12 7	1 52.45	+ 9 20.4	1.166	1.984	20.8	20.3
421684 2014 OG_{389}		10 29.9 8°.32	4°.2/ 2.3 17			
9 28	2 41.73	+26 38.9	2.099	2.919	13.3	20.6
10 8	2 35.88	+26 59.9	2.024	2.920	10.5	20.4
10 18	2 28.05	+27 5.2	1.972	2.920	7.3	20.2
10 28	2 19.00	+26 54.3	1.947	2.921	4.7	20.1
11 7	2 9.77	+26 29.1	1.949	2.922	4.6	20.1
11 17	2 1.37	+25 53.6	1.980	2.922	7.1	20.2
11 27	1 54.71	+25 13.8	2.038	2.924	10.2	20.4
12 7	1 50.37	+24 35.8	2.119	2.925	13.1	20.6
478918 2012 XV_2		10 29.9 19°.53	6°.2/27.4 17			
9 28	2 40.76	+ 1 59.0	0.965	1.873	18.1	19.5
10 8	2 35.92	+ 1 37.4	0.935	1.886	13.2	19.3
10 18	2 28.21	+ 1 21.8	0.924	1.901	8.4	19.1
10 28	2 19.00	+ 1 19.7	0.935	1.918	6.2	19.0
11 7	2 10.00	+ 1 36.2	0.968	1.937	8.9	19.3
11 17	2 2.71	+ 2 13.2	1.024	1.957	13.3	19.6
11 27	1 58.23	+ 3 9.6	1.100	1.979	17.5	19.9
12 7	1 57.01	+ 4 22.2	1.194	2.002	21.0	20.2

325677 2009 TB_{16} 10 29.9 74°.17 4°.3/ 2.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 28	2 40.63	+28 32.6	2.233	3.043	13.0	20.3
10 8	2 34.95	+28 39.1	2.161	3.048	10.2	20.2
10 18	2 27.46	+28 28.8	2.111	3.054	7.3	20.0
10 28	2 18.90	+28 1.6	2.089	3.059	4.8	19.8
11 7	2 10.24	+27 20.1	2.094	3.064	4.6	19.8
11 17	2 2.41	+26 28.8	2.128	3.069	6.8	20.0
11 27	1 56.24	+25 33.9	2.189	3.075	9.6	20.2
12 7	1 52.24	+24 41.5	2.274	3.080	12.3	20.4

175747 1998 QK_{78} 10 29.9 27°.07 0°.1/29.8 18

9 28	2 38.26	+17 9.4	1.405	2.283	15.5	18.9
10 8	2 33.71	+16 11.6	1.352	2.291	11.2	18.6
10 18	2 26.88	+14 58.7	1.322	2.300	6.2	18.4
10 28	2 18.80	+13 36.7	1.316	2.310	1.0	18.1
11 7	2 10.75	+12 14.2	1.338	2.320	4.3	18.3
11 17	2 3.90	+11 0.0	1.385	2.331	9.2	18.7
11 27	1 59.21	+10 1.5	1.457	2.342	13.5	18.9
12 7	1 57.19	+ 9 22.6	1.549	2.354	17.1	19.2

156855 2003 CN_{19} 10 29.9 285°.35 0°.3/29.7 18

9 28	2 41.41	+15 24.3	1.529	2.401	14.8	20.6
10 8	2 36.12	+14 49.6	1.451	2.387	10.7	20.4
10 18	2 28.38	+14 1.9	1.395	2.373	6.0	20.1
10 28	2 19.08	+13 5.2	1.366	2.359	0.9	19.7
11 7	2 9.46	+12 6.0	1.363	2.345	4.4	19.9
11 17	2 0.82	+11 11.7	1.388	2.331	9.5	20.2
11 27	1 54.29	+10 29.4	1.436	2.317	14.0	20.4
12 7	1 50.57	+10 3.9	1.505	2.303	17.9	20.6

180231 2003 UD_{149} 10 29.9 346°.21 0°.9/30.6 18

9 28	2 40.03	+19 24.7	1.218	2.096	17.4	19.6
10 8	2 35.46	+18 38.8	1.155	2.092	12.8	19.3
10 18	2 28.09	+17 32.1	1.112	2.089	7.5	19.0
10 28	2 19.03	+16 9.6	1.094	2.086	1.8	18.6
11 7	2 9.78	+14 40.3	1.100	2.084	4.6	18.8
11 17	2 1.87	+13 15.3	1.131	2.082	10.2	19.1
11 27	1 56.50	+12 4.9	1.186	2.081	15.2	19.4
12 7	1 54.33	+11 15.5	1.259	2.080	19.4	19.7

118918 2000 VY_{26} 10 29.9 79°.95 1°.0/30.8 18 R

9 28	2 39.94	+19 37.8	2.033	2.883	12.6	19.4
10 8	2 34.30	+18 59.0	1.979	2.902	9.2	19.2
10 18	2 26.99	+18 7.8	1.949	2.920	5.4	19.0
10 28	2 18.82	+17 7.5	1.946	2.938	1.5	18.8
11 7	2 10.71	+16 3.3	1.973	2.956	3.1	18.9
11 17	2 3.55	+15 1.0	2.029	2.974	6.8	19.2
11 27	1 58.06	+14 6.3	2.112	2.991	10.2	19.5
12 7	1 54.67	+13 23.2	2.219	3.009	13.1	19.7

357815 2005 TH_{187} 10 29.9 138°.31 0°.6/29.4 18

9 28	2 40.37	+13 17.0	2.154	3.016	11.5	21.5
10 8	2 34.62	+12 52.7	2.088	3.020	8.2	21.3
10 18	2 27.22	+12 21.7	2.047	3.024	4.5	21.1
10 28	2 18.87	+11 47.0	2.035	3.028	0.8	20.8
11 7	2 10.47	+11 12.6	2.052	3.032	3.5	21.0
11 17	2 2.86	+10 42.6	2.098	3.035	7.2	21.2
11 27	1 56.79	+10 21.1	2.171	3.039	10.5	21.5
12 7	1 52.74	+10 10.4	2.267	3.042	13.3	21.7

347511 1999 RV_{189} 10 29.9 359°.72 7°.3/26.0 18

9 28	2 31.93	+ 2 35.8	0.877	1.800	17.8	18.3
10 8	2 30.03	+ 1 36.1	0.834	1.793	13.2	18.0
10 18	2 25.18	+ 0 39.2	0.809	1.788	8.8	17.8
10 28	2 18.57	− 0 3.3	0.805	1.787	7.4	17.7
11 7	2 11.81	− 0 21.6	0.821	1.788	10.4	17.9
11 17	2 6.48	− 0 10.3	0.857	1.792	15.0	18.2
11 27	2 3.83	+ 0 31.0	0.912	1.798	19.5	18.5
12 7	2 4.43	+ 1 38.4	0.982	1.808	23.2	18.7

276440 2003 DJ_{16} 10 29.9 71°.26 19°.3/13.8 17

9 28	2 42.23	−20 16.2	0.996	1.868	20.9	19.8
10 8	2 37.08	−23 46.8	0.987	1.874	19.5	19.7
10 18	2 28.90	−26 36.9	0.997	1.880	19.4	19.7
10 28	2 19.13	−28 29.3	1.025	1.887	20.5	19.8
11 7	2 9.58	−29 17.3	1.070	1.893	22.3	20.0
11 17	2 1.82	−29 3.5	1.129	1.900	24.4	20.2
11 27	1 56.99	−27 57.2	1.199	1.907	26.3	20.4
12 7	1 55.54	−26 10.7	1.280	1.913	27.9	20.6

325371 2008 QM_{45} 10 29.9 75°.75 1°.7/28.1 18

9 28	2 36.80	+11 30.9	2.265	3.135	10.7	20.4
10 8	2 31.96	+10 27.5	2.205	3.142	7.6	20.2
10 18	2 25.68	+ 9 18.0	2.170	3.148	4.2	20.0
10 28	2 18.62	+ 8 7.1	2.165	3.155	1.7	19.9
11 7	2 11.56	+ 7 0.5	2.189	3.162	4.1	20.1
11 17	2 5.23	+ 6 2.9	2.242	3.169	7.4	20.3
11 27	2 0.28	+ 5 18.5	2.321	3.176	10.4	20.5
12 7	1 57.12	+ 4 49.2	2.423	3.183	13.0	20.7

431375 2007 EN_{77} 10 29.9 144°.47 3°.0/ 1.0 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 28	2 47.37	+22 30.9	1.985	2.815	13.7	21.9
10 8	2 39.87	+22 49.4	1.918	2.825	10.3	21.7
10 18	2 30.25	+22 54.1	1.875	2.834	6.7	21.5
10 28	2 19.38	+22 45.0	1.859	2.843	3.4	21.3
11 7	2 8.40	+22 24.3	1.873	2.852	3.9	21.4
11 17	1 58.43	+21 56.5	1.917	2.859	7.3	21.6
11 27	1 50.42	+21 27.3	1.987	2.866	10.8	21.9
12 7	1 44.94	+21 2.3	2.081	2.873	13.8	22.1

218487 2004 TX_{25} 10 29.9 239°.81 0°.2/30.1 17

9 28	2 38.79	+16 30.6	2.444	3.297	10.6	21.1
10 8	2 33.45	+16 1.0	2.360	3.287	7.7	20.9
10 18	2 26.58	+15 22.3	2.302	3.276	4.4	20.7
10 28	2 18.79	+14 37.2	2.273	3.266	0.8	20.4
11 7	2 10.84	+13 49.3	2.273	3.255	2.9	20.5
11 17	2 3.53	+13 3.2	2.304	3.244	6.4	20.8
11 27	1 57.55	+12 23.3	2.361	3.232	9.6	20.9
12 7	1 53.39	+11 52.9	2.443	3.221	12.4	21.1

212404 2006 KO_{1} 10 29.9 157°.22 1°.9/31.3 17

9 28	2 45.07	+21 30.9	1.581	2.431	15.6	20.7
10 8	2 38.54	+20 59.7	1.516	2.437	11.6	20.4
10 18	2 29.60	+20 10.3	1.473	2.442	7.0	20.2
10 28	2 19.27	+19 5.6	1.457	2.447	2.6	19.9
11 7	2 8.88	+17 51.7	1.468	2.451	3.9	20.0
11 17	1 59.72	+16 37.0	1.508	2.454	8.5	20.3
11 27	1 52.83	+15 30.0	1.573	2.457	12.8	20.6
12 7	1 48.78	+14 37.0	1.660	2.460	16.4	20.8

306655 2000 SS_{153} 10 29.9 17°.87 1°.2/29.2 18

9 28	2 40.34	+12 53.9	1.270	2.158	16.1	19.2
10 8	2 35.42	+12 24.2	1.218	2.162	11.5	18.9
10 18	2 27.95	+11 44.6	1.187	2.167	6.4	18.6
10 28	2 19.02	+11 0.4	1.181	2.173	1.4	18.3
11 7	2 10.03	+10 18.6	1.200	2.180	5.1	18.6
11 17	2 2.35	+ 9 46.0	1.244	2.188	10.2	18.9
11 27	1 57.06	+ 9 28.2	1.311	2.197	14.7	19.2
12 7	1 54.73	+ 9 27.5	1.397	2.206	18.4	19.5

262091 2006 RY_{79} 10 29.9 105°.53 0°.2/30.1 18

9 28	2 41.50	+15 48.6	1.926	2.786	12.7	20.8
10 8	2 35.60	+15 30.2	1.862	2.792	9.2	20.6
10 18	2 27.83	+15 2.3	1.823	2.798	5.2	20.4
10 28	2 19.00	+14 27.8	1.811	2.804	0.9	20.1
11 7	2 10.10	+13 50.9	1.827	2.809	3.4	20.3
11 17	2 2.11	+13 16.6	1.873	2.815	7.5	20.6
11 27	1 55.88	+12 49.4	1.944	2.820	11.1	20.8
12 7	1 51.92	+12 32.9	2.038	2.826	14.2	21.0

278615 2008 QP_{8} 10 29.9 89°.92 4°.1/ 1.8 18

9 28	2 45.47	+25 12.3	1.615	2.451	16.0	20.8
10 8	2 38.85	+25 24.5	1.556	2.463	12.3	20.6
10 18	2 29.78	+25 17.7	1.519	2.475	8.2	20.3
10 28	2 19.31	+24 51.8	1.507	2.487	4.8	20.2
11 7	2 8.79	+24 10.5	1.522	2.499	4.9	20.2
11 17	1 59.52	+23 20.1	1.564	2.511	8.3	20.4
11 27	1 52.56	+22 28.8	1.633	2.522	12.1	20.7
12 7	1 48.49	+21 43.8	1.723	2.534	15.4	20.9

182338 2001 PG_{65} 10 29.9 88°.63 6°.5/25.4 17

9 28	2 43.86	+ 0 0.4	1.555	2.436	14.1	20.2
10 8	2 37.25	− 1 18.2	1.524	2.459	10.5	20.0
10 18	2 28.65	− 2 31.1	1.517	2.482	7.4	19.9
10 28	2 19.12	− 3 30.2	1.537	2.505	6.6	19.9
11 7	2 9.81	− 4 9.0	1.583	2.527	8.7	20.1
11 17	2 1.79	− 4 24.4	1.655	2.549	11.8	20.3
11 27	1 55.86	− 4 16.2	1.750	2.570	14.9	20.6
12 7	1 52.45	− 3 46.8	1.863	2.591	17.4	20.8

286660 2002 ET_{101} 10 29.9 174°.00 5°.0/26.7 17

9 28	2 45.10	+ 3 9.1	1.575	2.453	14.1	21.1
10 8	2 38.42	+ 2 15.4	1.519	2.456	10.3	20.9
10 18	2 29.50	+ 1 22.6	1.486	2.457	6.6	20.7
10 28	2 19.29	+ 0 37.5	1.480	2.459	5.1	20.6
11 7	2 9.02	+ 0 6.7	1.501	2.460	7.5	20.8
11 17	1 59.90	− 0 5.5	1.549	2.460	11.3	21.0
11 27	1 52.90	+ 0 2.8	1.620	2.460	14.9	21.2
12 7	1 48.59	+ 0 30.8	1.711	2.459	18.0	21.5

121794 2000 AD_{124} 10 29.9 272°.88 7°.6/21.3 18

9 28	2 38.41	−10 43.6	2.528	3.382	10.3	19.5
10 8	2 33.16	−11 58.8	2.456	3.357	8.6	19.4
10 18	2 26.43	−13 5.4	2.410	3.332	7.6	19.3
10 28	2 18.80	−13 57.2	2.391	3.307	7.9	19.2
11 7	2 10.98	−14 29.4	2.399	3.281	9.3	19.3
11 17	2 3.72	−14 39.2	2.432	3.254	11.2	19.4
11 27	1 57.69	−14 26.1	2.488	3.228	13.2	19.5
12 7	1 53.39	−13 51.9	2.562	3.201	15.0	19.6

304392 2006 SM_{407} 10 29.9 320°.95 1°.1/29.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 28	2 38.96	+13 22.5	1.769	2.642	13.0	21.6
10 8	2 33.99	+12 40.4	1.698	2.636	9.3	21.4
10 18	2 27.04	+11 49.1	1.652	2.630	5.2	21.1
10 28	2 18.90	+10 53.0	1.632	2.625	1.2	20.8
11 7	2 10.62	+ 9 58.1	1.640	2.619	4.2	21.0
11 17	2 3.21	+ 9 10.4	1.676	2.614	8.5	21.3
11 27	1 57.59	+ 8 35.1	1.736	2.609	12.4	21.5
12 7	1 54.30	+ 8 15.4	1.819	2.604	15.7	21.7

361810 2008 CN_{50} 10 29.9 322°.58 5°.0/ 2.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 42.04	+26 54.6	1.711	2.542	15.4	20.3
10 8	2 36.61	+27 20.3	1.631	2.532	12.2	20.1
10 18	2 28.71	+27 27.5	1.572	2.522	8.6	19.9
10 28	2 19.20	+27 14.7	1.538	2.512	5.6	19.7
11 7	2 9.33	+26 43.8	1.530	2.503	5.5	19.7
11 17	2 0.39	+25 59.7	1.549	2.495	8.5	19.8
11 27	1 53.55	+25 10.3	1.594	2.486	12.1	20.0
12 7	1 49.53	+24 23.4	1.660	2.479	15.5	20.2

517096 2013 CT_{214} 10 29.9 210°.24 0°.1/30.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 40.22	+16 24.6	2.276	3.129	11.3	22.1
10 8	2 34.55	+15 52.8	2.198	3.125	8.2	21.9
10 18	2 27.23	+15 11.5	2.145	3.119	4.6	21.6
10 28	2 18.94	+14 23.5	2.121	3.114	0.8	21.3
11 7	2 10.52	+13 32.9	2.127	3.108	3.1	21.5
11 17	2 2.82	+12 44.6	2.162	3.101	6.8	21.7
11 27	1 56.59	+12 3.4	2.224	3.095	10.2	21.9
12 7	1 52.33	+11 32.8	2.310	3.088	13.0	22.1

411340 2010 UU_{58} 10 29.9 158°.41 1°.9/28.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 41.48	+ 8 10.5	2.256	3.122	10.9	20.6
10 8	2 35.36	+ 7 57.1	2.190	3.124	7.8	20.4
10 18	2 27.64	+ 7 41.6	2.149	3.126	4.4	20.2
10 28	2 19.01	+ 7 26.7	2.138	3.127	1.9	20.1
11 7	2 10.29	+ 7 15.9	2.155	3.129	4.1	20.2
11 17	2 2.32	+ 7 12.0	2.202	3.130	7.5	20.4
11 27	1 55.82	+ 7 17.3	2.276	3.131	10.6	20.6
12 7	1 51.28	+ 7 33.0	2.373	3.132	13.2	20.8

268194 2005 AC_{30} 10 29.9 272°.21 3°.4/27.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 40.36	+ 3 7.9	2.387	3.255	10.3	20.2
10 8	2 34.56	+ 2 47.1	2.311	3.244	7.5	20.0
10 18	2 27.22	+ 2 27.4	2.261	3.232	4.7	19.8
10 28	2 18.95	+ 2 12.6	2.240	3.221	3.4	19.7
11 7	2 10.53	+ 2 5.9	2.249	3.209	5.2	19.8
11 17	2 2.74	+ 2 9.8	2.286	3.197	8.1	20.0
11 27	1 56.29	+ 2 26.1	2.349	3.186	11.0	20.2
12 7	1 51.68	+ 2 54.8	2.435	3.174	13.5	20.3

86129 1999 RO_{155} 10 29.9 39°.37 5°.5/ 3.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 41.83	+30 19.4	1.909	2.719	14.9	18.0
10 8	2 36.12	+30 38.7	1.842	2.726	11.9	17.8
10 18	2 28.26	+30 37.9	1.797	2.734	8.8	17.7
10 28	2 19.12	+30 16.1	1.777	2.742	6.2	17.5
11 7	2 9.86	+29 35.6	1.784	2.750	5.7	17.5
11 17	2 1.61	+28 41.7	1.818	2.759	7.8	17.7
11 27	1 55.34	+27 42.0	1.879	2.767	10.8	17.9
12 7	1 51.61	+26 44.0	1.962	2.776	13.6	18.1

135883 2002 TH_{48} 10 29.9 11°.02 0°.7/29.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 37.57	+16 2.7	1.507	2.385	14.6	19.0
10 8	2 33.18	+14 59.7	1.447	2.387	10.5	18.8
10 18	2 26.63	+13 42.8	1.410	2.389	5.8	18.5
10 28	2 18.86	+12 18.0	1.399	2.392	1.0	18.2
11 7	2 11.03	+10 53.7	1.415	2.396	4.4	18.4
11 17	2 4.27	+ 9 38.4	1.457	2.400	9.1	18.7
11 27	1 59.52	+ 8 39.1	1.524	2.405	13.3	19.0
12 7	1 57.32	+ 7 59.7	1.612	2.410	16.8	19.2

160637 1999 VF_{88} 10 29.9 47°.14 0°.0/29.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 41.27	+16 27.9	1.387	2.263	15.8	19.7
10 8	2 35.80	+15 48.2	1.344	2.281	11.3	19.5
10 18	2 28.04	+14 55.4	1.323	2.300	6.3	19.3
10 28	2 19.07	+13 54.7	1.326	2.320	1.0	19.0
11 7	2 10.24	+12 53.4	1.357	2.339	4.2	19.3
11 17	2 2.75	+11 59.1	1.414	2.359	9.1	19.6
11 27	1 57.53	+11 18.0	1.495	2.380	13.3	19.9
12 7	1 55.05	+10 53.7	1.596	2.401	16.7	20.2

229393 2005 SW_{117} 10 29.9 47°.56 3°.6/28.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 44.81	+ 6 29.0	1.268	2.156	16.1	19.8
10 8	2 38.48	+ 6 6.5	1.225	2.169	11.6	19.5
10 18	2 29.60	+ 5 42.6	1.204	2.183	6.7	19.3
10 28	2 19.33	+ 5 23.3	1.208	2.196	3.6	19.2
11 7	2 9.17	+ 5 14.1	1.238	2.211	6.6	19.4
11 17	2 0.46	+ 5 18.9	1.293	2.225	11.1	19.7
11 27	1 54.27	+ 5 39.7	1.370	2.240	15.3	20.0
12 7	1 51.10	+ 6 16.3	1.467	2.255	18.7	20.3

516241 2016 US_{66} 10 29.9 315°.36 3°.7/27.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 28	2 39.25	+ 8 8.3	1.575	2.460	13.7	21.3
10 8	2 34.33	+ 6 54.2	1.512	2.455	9.8	21.1
10 18	2 27.27	+ 5 34.2	1.472	2.450	5.8	20.8
10 28	2 18.97	+ 4 15.7	1.460	2.446	3.7	20.7
11 7	2 10.55	+ 3 7.1	1.474	2.441	6.5	20.9
11 17	2 3.12	+ 2 15.1	1.514	2.437	10.6	21.1
11 27	1 57.63	+ 1 44.4	1.579	2.433	14.5	21.3
12 7	1 54.64	+ 1 36.0	1.662	2.429	17.7	21.6

511082 2013 TJ_{85} 10 29.9 319°.16 4°.8/ 1.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 42.92	+24 42.5	1.265	2.121	18.3	21.2
10 8	2 37.86	+25 0.0	1.191	2.110	14.2	20.9
10 18	2 29.67	+24 55.3	1.137	2.100	9.6	20.6
10 28	2 19.41	+24 27.3	1.107	2.089	5.5	20.4
11 7	2 8.68	+23 39.4	1.100	2.080	5.7	20.4
11 17	1 59.19	+22 39.3	1.119	2.071	10.1	20.6
11 27	1 52.42	+21 37.9	1.160	2.062	14.9	20.8
12 7	1 49.19	+20 45.2	1.221	2.054	19.1	21.1

224973 2007 EC_{54} 10 29.9 177°.95 0°.9/30.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 41.64	+16 59.6	2.345	3.193	11.2	20.2
10 8	2 35.55	+17 3.5	2.271	3.193	8.2	20.0
10 18	2 27.80	+16 59.4	2.222	3.194	4.8	19.8
10 28	2 19.07	+16 48.4	2.202	3.194	1.3	19.5
11 7	2 10.20	+16 33.2	2.212	3.194	2.9	19.6
11 17	2 2.05	+16 16.9	2.252	3.194	6.4	19.9
11 27	1 55.36	+16 3.3	2.319	3.194	9.6	20.1
12 7	1 50.65	+15 55.6	2.409	3.194	12.3	20.3

96877 1999 TF_{13} 10 29.9 232°.51 2°.8/28.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 45.46	+ 5 50.7	1.857	2.726	12.7	18.7
10 8	2 38.57	+ 5 46.1	1.787	2.722	9.2	18.4
10 18	2 29.59	+ 5 41.3	1.742	2.718	5.4	18.2
10 28	2 19.38	+ 5 39.8	1.726	2.713	2.8	18.0
11 7	2 8.99	+ 5 44.9	1.738	2.709	5.2	18.2
11 17	1 59.52	+ 5 59.3	1.779	2.705	9.1	18.4
11 27	1 51.90	+ 6 24.9	1.845	2.700	12.7	18.6
12 7	1 46.71	+ 7 2.1	1.933	2.695	15.7	18.8

180319 2003 XR_{21} 10 29.9 350°.37 4°.8/27.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 44.00	+ 4 20.1	1.181	2.075	16.6	19.3
10 8	2 38.31	+ 3 57.3	1.125	2.071	12.1	19.1
10 18	2 29.73	+ 3 35.6	1.090	2.067	7.4	18.8
10 28	2 19.41	+ 3 21.5	1.079	2.065	4.8	18.6
11 7	2 8.90	+ 3 21.3	1.092	2.063	7.7	18.8
11 17	1 59.76	+ 3 38.9	1.130	2.061	12.5	19.1
11 27	1 53.25	+ 4 15.7	1.189	2.061	17.0	19.3
12 7	1 50.02	+ 5 10.6	1.266	2.061	20.8	19.6

6797 Östersund 10 29.9 64°.29 0°.6/30.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 40.17	+17 10.5	1.965	2.823	12.6	17.0
10 8	2 34.66	+16 49.7	1.902	2.830	9.2	16.8
10 18	2 27.34	+16 18.4	1.862	2.836	5.2	16.5
10 28	2 19.00	+15 39.4	1.850	2.842	1.2	16.3
11 7	2 10.60	+14 57.1	1.867	2.849	3.2	16.4
11 17	2 3.08	+14 16.3	1.911	2.855	7.2	16.7
11 27	1 57.26	+13 42.3	1.983	2.862	10.8	16.9
12 7	1 53.63	+13 18.6	2.077	2.869	13.8	17.2

311091 2004 FL_{26} 10 29.9 129°.80 2°.3/31.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 43.30	+21 41.2	2.180	3.015	12.4	21.0
10 8	2 36.82	+21 46.6	2.113	3.024	9.3	20.8
10 18	2 28.53	+21 39.8	2.070	3.032	5.9	20.7
10 28	2 19.20	+21 21.4	2.054	3.041	2.8	20.5
11 7	2 9.78	+20 54.3	2.069	3.049	3.4	20.5
11 17	2 1.23	+20 22.5	2.112	3.056	6.6	20.8
11 27	1 54.35	+19 51.1	2.183	3.064	9.9	21.0
12 7	1 49.65	+19 24.8	2.278	3.071	12.7	21.2

143624 2003 HM_{16} 10 29.9 104°.75 6°.4/24.4 17 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 53.95	+ 2 57.2	1.709	2.568	14.2	19.9
10 8	2 43.98	+ 0 8.9	1.687	2.612	10.3	19.8
10 18	2 32.20	− 2 35.2	1.694	2.655	7.1	19.7
10 28	2 19.74	− 5 2.6	1.734	2.696	6.6	19.8
11 7	2 7.83	− 7 3.2	1.806	2.734	9.0	20.0
11 17	1 57.51	− 8 31.8	1.907	2.771	12.0	20.2
11 27	1 49.51	− 9 27.6	2.032	2.805	14.8	20.5
12 7	1 44.16	− 9 54.1	2.177	2.837	16.9	20.8

301380 2009 CW_{64} 10 29.9 152°.68 0°.9/30.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 42.02	+17 33.2	1.914	2.770	13.0	20.8
10 8	2 36.08	+17 20.0	1.846	2.772	9.5	20.6
10 18	2 28.19	+16 55.8	1.801	2.774	5.5	20.3
10 28	2 19.15	+16 22.9	1.783	2.775	1.4	20.1
11 7	2 9.99	+15 45.4	1.794	2.777	3.3	20.2
11 17	2 1.74	+15 8.3	1.834	2.778	7.5	20.5
11 27	1 55.27	+14 36.8	1.900	2.780	11.2	20.7
12 7	1 51.13	+14 15.0	1.989	2.781	14.3	20.9

407536 2010 WB_7 10 29.9 16°.09 2°.9/27.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 28	2 40.59	+ 6 32.7	1.815	2.693	12.5	20.7
10 8	2 35.02	+ 6 10.5	1.757	2.696	9.0	20.5
10 18	2 27.57	+ 5 47.0	1.722	2.699	5.2	20.3
10 28	2 19.04	+ 5 26.4	1.714	2.702	2.9	20.1
11 7	2 10.45	+ 5 13.1	1.735	2.705	5.3	20.3
11 17	2 2.77	+ 5 10.5	1.782	2.709	9.0	20.5
11 27	1 56.85	+ 5 20.8	1.855	2.714	12.4	20.8
12 7	1 53.19	+ 5 44.7	1.949	2.718	15.4	21.0

20109 Alicelandis 10 29.9 49°.15 6°.7/26.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 43.76	− 0 16.8	1.323	2.211	15.6	18.6
10 8	2 37.42	− 1 8.5	1.296	2.235	11.5	18.4
10 18	2 28.85	− 1 52.9	1.291	2.259	7.9	18.3
10 28	2 19.22	− 2 22.4	1.312	2.284	6.7	18.3
11 7	2 9.89	− 2 31.7	1.357	2.309	8.9	18.5
11 17	2 2.03	− 2 18.6	1.427	2.335	12.3	18.8
11 27	1 56.51	− 1 44.1	1.520	2.361	15.7	19.0
12 7	1 53.74	− 0 51.1	1.631	2.387	18.4	19.3

515969 2015 RD_{107} 10 29.9 25°.98 4°.0/26.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 37.96	+ 6 49.7	1.521	2.411	13.8	20.4
10 8	2 33.31	+ 5 40.5	1.474	2.419	9.9	20.2
10 18	2 26.65	+ 4 28.4	1.451	2.428	5.9	20.0
10 28	2 18.89	+ 3 21.0	1.453	2.438	4.1	19.9
11 7	2 11.16	+ 2 25.8	1.482	2.448	6.7	20.1
11 17	2 4.51	+ 1 48.4	1.537	2.459	10.5	20.4
11 27	1 59.79	+ 1 31.9	1.614	2.470	14.1	20.6
12 7	1 57.49	+ 1 36.4	1.712	2.482	17.1	20.8

443755 2015 MV_8 10 29.9 23°.84 3°.1/ 1.4 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 39.90	+24 35.3	1.591	2.438	15.6	21.0
10 8	2 34.91	+24 7.4	1.526	2.442	11.9	20.8
10 18	2 27.65	+23 18.9	1.482	2.445	7.7	20.5
10 28	2 19.07	+22 12.1	1.464	2.449	3.8	20.3
11 7	2 10.41	+20 52.9	1.472	2.454	4.1	20.4
11 17	2 2.87	+19 29.8	1.508	2.459	8.1	20.6
11 27	1 57.45	+18 11.7	1.569	2.464	12.2	20.9
12 7	1 54.70	+17 6.1	1.653	2.469	15.7	21.1

265989 2006 DD_{83} 10 29.9 273°.87 3°.7/ 2.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 41.25	+25 59.6	2.315	3.133	12.3	20.9
10 8	2 35.44	+26 14.8	2.234	3.130	9.6	20.8
10 18	2 27.82	+26 15.9	2.178	3.127	6.6	20.6
10 28	2 19.10	+26 2.6	2.149	3.125	4.1	20.4
11 7	2 10.19	+25 36.9	2.148	3.122	4.1	20.4
11 17	2 1.99	+25 2.3	2.176	3.119	6.6	20.6
11 27	1 55.36	+24 24.2	2.232	3.116	9.5	20.7
12 7	1 50.84	+23 48.1	2.312	3.113	12.3	20.9

171405 2006 QS_{144} 10 29.9 44°.29 0°.6/29.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 42.71	+13 31.1	1.444	2.320	15.2	19.5
10 8	2 36.73	+13 14.1	1.404	2.342	10.8	19.3
10 18	2 28.53	+12 48.3	1.387	2.365	6.0	19.0
10 28	2 19.19	+12 17.9	1.395	2.388	1.0	18.8
11 7	2 10.01	+11 48.4	1.431	2.412	4.3	19.1
11 17	2 2.16	+11 24.9	1.493	2.436	8.9	19.4
11 27	1 56.54	+11 12.0	1.579	2.460	12.9	19.7
12 7	1 53.61	+11 12.2	1.686	2.485	16.2	20.0

447437 2006 DM_{184} 10 29.9 285°.49 3°.7/26.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 37.50	+ 5 32.9	2.266	3.141	10.5	21.2
10 8	2 32.70	+ 4 17.7	2.177	3.114	7.6	21.0
10 18	2 26.29	+ 2 58.5	2.114	3.087	4.8	20.8
10 28	2 18.86	+ 1 41.0	2.080	3.060	3.8	20.7
11 7	2 11.19	+ 0 31.5	2.076	3.033	5.9	20.8
11 17	2 4.09	− 0 24.6	2.100	3.005	9.1	20.9
11 27	1 58.31	− 1 3.2	2.149	2.977	12.2	21.1
12 7	1 54.39	− 1 22.8	2.219	2.949	14.8	21.2

218162 2002 RO_{213} 10 29.9 45°.50 5°.3/ 1.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 50.68	+22 42.3	1.131	1.990	19.8	19.3
10 8	2 43.28	+23 50.2	1.089	2.010	15.1	19.0
10 18	2 32.53	+24 37.9	1.068	2.030	10.1	18.8
10 28	2 19.87	+25 2.4	1.069	2.051	5.9	18.7
11 7	2 7.25	+25 5.2	1.096	2.073	6.3	18.8
11 17	1 56.51	+24 52.6	1.147	2.095	10.4	19.1
11 27	1 49.02	+24 34.1	1.221	2.118	14.7	19.4
12 7	1 45.35	+24 18.1	1.315	2.141	18.4	19.7

353676 2011 UF_{229} 10 29.9 66°.43 1°.2/29.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 40.51	+12 54.1	1.755	2.627	13.2	20.7
10 8	2 35.02	+12 14.6	1.696	2.633	9.4	20.5
10 18	2 27.58	+11 26.9	1.662	2.640	5.2	20.2
10 28	2 19.06	+10 35.6	1.654	2.646	1.3	20.0
11 7	2 10.51	+ 9 46.5	1.675	2.653	4.2	20.2
11 17	2 2.95	+ 9 5.1	1.723	2.660	8.4	20.5
11 27	1 57.22	+ 8 36.1	1.796	2.667	12.2	20.7
12 7	1 53.84	+ 8 22.1	1.891	2.674	15.3	21.0

219002 2008 JE_{39} 10 29.9 62°.26 4°.6/25.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 28	2 38.12	+ 2 22.2	2.044	2.922	11.3	20.6
10 8	2 33.05	+ 1 16.9	1.990	2.927	8.3	20.4
10 18	2 26.40	+ 0 12.9	1.962	2.931	5.5	20.2
10 28	2 18.88	− 0 43.9	1.962	2.936	4.7	20.2
11 7	2 11.34	− 1 28.0	1.990	2.940	6.6	20.3
11 17	2 4.60	− 1 55.4	2.045	2.945	9.5	20.5
11 27	1 59.37	− 2 4.3	2.124	2.950	12.4	20.7
12 7	1 56.10	− 1 55.0	2.224	2.955	14.8	20.9

487291 2014 QO_{38} 10 29.9 357°.36 8°.2/ 6.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 39.62	+38 28.3	1.819	2.592	16.9	20.7
10 8	2 34.88	+38 38.3	1.742	2.590	14.3	20.5
10 18	2 27.72	+38 20.4	1.684	2.588	11.6	20.3
10 28	2 19.11	+37 32.3	1.649	2.586	9.2	20.2
11 7	2 10.33	+36 16.2	1.639	2.586	8.2	20.1
11 17	2 2.65	+34 38.5	1.655	2.586	9.3	20.2
11 27	1 57.15	+32 49.3	1.697	2.587	11.7	20.3
12 7	1 54.44	+30 59.7	1.762	2.588	14.4	20.5

479482 2014 AW_{25} 10 29.9 147°.29 3°.1/27.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 42.81	+ 6 45.3	1.879	2.752	12.4	21.4
10 8	2 36.53	+ 6 4.4	1.821	2.758	8.9	21.2
10 18	2 28.39	+ 5 21.3	1.788	2.764	5.2	21.0
10 28	2 19.21	+ 4 41.1	1.783	2.769	3.1	20.9
11 7	2 10.00	+ 4 8.8	1.806	2.774	5.5	21.0
11 17	2 1.75	+ 3 48.6	1.858	2.779	9.1	21.3
11 27	1 55.27	+ 3 43.2	1.934	2.783	12.5	21.5
12 7	1 51.06	+ 3 53.3	2.032	2.787	15.3	21.7

69933 1998 UA_7 10 29.9 19°.89 9°.9/21.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 41.55	−16 50.3	2.130	2.968	12.5	18.1
10 8	2 35.43	−17 40.3	2.090	2.970	10.9	18.0
10 18	2 27.68	−18 13.3	2.074	2.972	10.0	18.0
10 28	2 19.08	−18 23.5	2.082	2.974	10.1	18.0
11 7	2 10.54	−18 7.6	2.115	2.976	11.2	18.1
11 17	2 2.90	−17 25.5	2.172	2.979	12.9	18.2
11 27	1 56.87	−16 19.5	2.250	2.982	14.7	18.4
12 7	1 52.90	−14 53.9	2.346	2.985	16.3	18.5

156685 2002 KD_1 10 29.9 62°.83 6°.8/22.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 37.67	− 2 48.8	2.041	2.918	11.4	19.1
10 8	2 32.58	− 4 51.6	2.015	2.943	8.8	19.0
10 18	2 26.04	− 6 47.2	2.016	2.967	7.0	18.9
10 28	2 18.81	− 8 27.3	2.045	2.991	7.0	19.0
11 7	2 11.70	− 9 45.5	2.101	3.015	8.8	19.1
11 17	2 5.48	−10 38.3	2.184	3.039	11.1	19.3
11 27	2 0.77	−11 5.3	2.290	3.063	13.3	19.5
12 7	1 57.93	−11 8.6	2.414	3.087	15.1	19.7

445587 2011 SA_{14} 10 29.9 207°.14 0°.2/30.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 41.24	+16 46.7	2.103	2.957	12.1	21.8
10 8	2 35.42	+16 12.3	2.026	2.953	8.8	21.6
10 18	2 27.80	+15 27.2	1.974	2.948	5.0	21.3
10 28	2 19.12	+14 34.4	1.950	2.943	0.9	21.0
11 7	2 10.31	+13 38.7	1.956	2.938	3.3	21.2
11 17	2 2.28	+12 45.5	1.991	2.932	7.2	21.5
11 27	1 55.87	+12 0.1	2.053	2.925	10.8	21.7
12 7	1 51.58	+11 26.4	2.138	2.919	13.8	21.9

391222 2006 JL_1 10 29.9 182°.93 1°.4/28.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 42.26	+11 25.0	1.918	2.786	12.5	21.4
10 8	2 36.20	+10 54.9	1.851	2.786	8.9	21.2
10 18	2 28.25	+10 18.5	1.809	2.786	4.9	20.9
10 28	2 19.20	+ 9 39.7	1.794	2.786	1.5	20.7
11 7	2 10.04	+ 9 3.4	1.809	2.786	4.2	20.9
11 17	2 1.77	+ 8 34.1	1.851	2.785	8.2	21.1
11 27	1 55.23	+ 8 15.9	1.920	2.784	11.8	21.4
12 7	1 50.97	+ 8 11.1	2.010	2.782	14.9	21.6

421737 2014 PR_{42} 10 29.9 313°.09 0°.6/30.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 39.50	+17 1.5	2.175	3.030	11.7	21.3
10 8	2 34.12	+16 44.2	2.103	3.029	8.5	21.1
10 18	2 27.05	+16 17.5	2.055	3.028	4.9	20.9
10 28	2 19.00	+15 43.5	2.035	3.027	1.1	20.6
11 7	2 10.84	+15 6.1	2.044	3.027	3.0	20.8
11 17	2 3.42	+14 29.6	2.082	3.026	6.8	21.0
11 27	1 57.52	+13 58.7	2.147	3.025	10.2	21.2
12 7	1 53.63	+13 36.8	2.236	3.024	13.0	21.4

405338 2003 UH_{328} 10 29.9 75°.10 1°.6/28.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 38.17	+12 16.9	2.152	3.020	11.3	20.8
10 8	2 32.95	+11 9.3	2.103	3.039	7.9	20.6
10 18	2 26.28	+ 9 55.3	2.080	3.058	4.3	20.4
10 28	2 18.86	+ 8 40.2	2.086	3.077	1.6	20.2
11 7	2 11.53	+ 7 29.6	2.122	3.096	4.0	20.5
11 17	2 5.03	+ 6 28.9	2.187	3.115	7.4	20.7
11 27	2 0.02	+ 5 42.0	2.278	3.134	10.5	20.9
12 7	1 56.89	+ 5 10.8	2.391	3.153	13.1	21.2

317927 2003 UK_{349} 10 29.9 298°.77 2°.2/27.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 28	2 37.70	+ 8 58.6	2.177	3.051	10.9	21.1
10 8	2 32.81	+ 8 14.1	2.104	3.042	7.8	20.9
10 18	2 26.33	+ 7 25.3	2.057	3.034	4.4	20.7
10 28	2 18.90	+ 6 36.5	2.037	3.026	2.2	20.5
11 7	2 11.34	+ 5 52.6	2.047	3.018	4.5	20.6
11 17	2 4.47	+ 5 17.9	2.084	3.010	7.9	20.8
11 27	1 59.01	+ 4 56.0	2.148	3.002	11.1	21.0
12 7	1 55.46	+ 4 48.6	2.234	2.995	13.9	21.2

508897 2003 UC_{231} 10 29.9 5°.78 1°.7/30.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 36.85	+19 3.8	0.899	1.798	20.0	20.4
10 8	2 33.80	+18 46.7	0.850	1.797	14.8	20.1
10 18	2 27.45	+18 7.4	0.819	1.798	8.8	19.8
10 28	2 19.11	+17 10.4	0.809	1.801	2.6	19.5
11 7	2 10.61	+16 4.9	0.821	1.806	5.1	19.7
11 17	2 3.74	+15 2.4	0.854	1.812	11.2	20.0
11 27	1 59.88	+14 13.7	0.907	1.820	16.7	20.4
12 7	1 59.66	+13 45.2	0.978	1.830	21.3	20.7

376149 2011 BP_{32} 10 29.9 317°.67 2°.0/28.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 39.82	+12 32.4	1.210	2.101	16.5	21.0
10 8	2 35.49	+11 43.7	1.138	2.085	11.9	20.7
10 18	2 28.31	+10 42.1	1.088	2.069	6.7	20.4
10 28	2 19.27	+ 9 34.1	1.061	2.053	2.0	20.0
11 7	2 9.83	+ 8 28.7	1.059	2.038	6.0	20.2
11 17	2 1.53	+ 7 35.3	1.082	2.024	11.6	20.5
11 27	1 55.71	+ 7 1.6	1.126	2.011	16.7	20.8
12 7	1 53.13	+ 6 51.0	1.188	1.998	21.0	21.0

493239 2014 UH_{90} 10 29.9 352°.50 1°.2/28.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 36.18	+12 58.1	2.233	3.101	10.9	20.7
10 8	2 31.67	+12 3.6	2.164	3.100	7.7	20.5
10 18	2 25.66	+11 1.6	2.120	3.098	4.2	20.3
10 28	2 18.80	+ 9 56.5	2.105	3.097	1.2	20.0
11 7	2 11.87	+ 8 53.4	2.119	3.096	3.7	20.2
11 17	2 5.64	+ 7 57.5	2.162	3.095	7.2	20.5
11 27	2 0.77	+ 7 13.2	2.231	3.095	10.4	20.7
12 7	1 57.73	+ 6 43.1	2.323	3.094	13.1	20.9

314282 2005 SN_{38} 10 29.9 5°.02 0°.2/29.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 39.27	+15 13.7	1.827	2.694	13.0	21.1
10 8	2 34.18	+14 43.4	1.760	2.694	9.3	20.9
10 18	2 27.18	+14 3.2	1.718	2.695	5.2	20.7
10 28	2 19.06	+13 16.7	1.702	2.695	0.8	20.3
11 7	2 10.84	+12 29.0	1.715	2.696	3.7	20.6
11 17	2 3.51	+11 45.7	1.755	2.697	7.9	20.8
11 27	1 57.93	+11 12.0	1.821	2.698	11.7	21.1
12 7	1 54.63	+10 51.3	1.908	2.700	14.8	21.3

511188 2013 YC_{109} 10 29.9 269°.52 4°.7/26.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 41.83	+ 4 21.9	1.574	2.457	13.8	21.5
10 8	2 36.25	+ 3 23.4	1.510	2.450	10.1	21.3
10 18	2 28.43	+ 2 23.8	1.470	2.444	6.4	21.1
10 28	2 19.29	+ 1 30.0	1.456	2.437	4.8	21.0
11 7	2 9.98	+ 0 49.2	1.469	2.430	7.3	21.1
11 17	2 1.68	+ 0 26.6	1.508	2.423	11.2	21.3
11 27	1 55.38	+ 0 25.2	1.570	2.416	15.0	21.5
12 7	1 51.69	+ 0 44.7	1.651	2.409	18.1	21.7

60192 1999 VU_{42} 10 29.9 126°.64 1°.3/30.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 47.07	+18 42.0	1.750	2.599	14.4	20.3
10 8	2 39.74	+18 29.2	1.693	2.615	10.5	20.1
10 18	2 30.24	+18 3.4	1.660	2.631	6.2	19.9
10 28	2 19.57	+17 27.1	1.655	2.646	1.9	19.6
11 7	2 8.93	+16 44.7	1.678	2.660	3.6	19.8
11 17	1 59.48	+16 2.0	1.730	2.674	7.9	20.1
11 27	1 52.15	+15 25.2	1.809	2.687	11.7	20.3
12 7	1 47.45	+14 58.7	1.910	2.699	14.9	20.6

454364 2014 MX_{36} 10 29.9 45°.15 1°.7/28.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 40.27	+10 20.9	1.835	2.709	12.6	20.7
10 8	2 34.75	+ 9 55.0	1.783	2.721	8.9	20.5
10 18	2 27.41	+ 9 24.4	1.756	2.734	5.0	20.3
10 28	2 19.11	+ 8 53.1	1.755	2.747	1.7	20.1
11 7	2 10.81	+ 8 25.7	1.783	2.760	4.4	20.3
11 17	2 3.48	+ 8 6.3	1.839	2.773	8.2	20.6
11 27	1 57.89	+ 7 58.2	1.920	2.787	11.7	20.9
12 7	1 54.51	+ 8 2.9	2.023	2.801	14.6	21.1

42713 1998 QS_{33} 10 29.9 7°.18 1°.3/31.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 38.54	+20 4.2	2.027	2.878	12.6	18.6
10 8	2 33.56	+19 36.9	1.956	2.878	9.3	18.4
10 18	2 26.80	+18 56.5	1.909	2.879	5.6	18.1
10 28	2 19.02	+18 5.6	1.889	2.879	1.9	17.9
11 7	2 11.14	+17 8.8	1.898	2.880	3.1	18.0
11 17	2 4.08	+16 11.7	1.935	2.881	6.9	18.2
11 27	1 58.63	+15 20.2	1.999	2.883	10.5	18.5
12 7	1 55.31	+14 38.9	2.086	2.884	13.5	18.7

122058 2000 GK_{150} 10 29.9 52°.38 0°.1/29.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 28	2 44.06	+15 59.8	1.258	2.136	17.0	20.6
10 8	2 38.33	+15 25.5	1.198	2.136	12.3	20.4
10 18	2 29.77	+14 36.4	1.159	2.137	6.9	20.1
10 28	2 19.53	+13 37.1	1.144	2.137	1.1	19.7
11 7	2 9.13	+12 35.5	1.155	2.137	4.8	20.0
11 17	2 0.10	+11 40.1	1.192	2.138	10.3	20.3
11 27	1 53.66	+10 59.0	1.252	2.138	15.2	20.6
12 7	1 50.44	+10 36.4	1.331	2.139	19.2	20.8

395150 2010 CP_{47} 10 29.9 215°.70 5°.8/25.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 44.87	− 3 17.5	2.153	3.015	11.5	21.8
10 8	2 37.92	− 3 50.2	2.086	3.008	8.8	21.6
10 18	2 29.19	− 4 16.8	2.044	3.000	6.5	21.4
10 28	2 19.42	− 4 32.0	2.030	2.992	5.8	21.4
11 7	2 9.54	− 4 32.1	2.046	2.983	7.5	21.5
11 17	2 0.45	− 4 14.9	2.089	2.974	10.1	21.6
11 27	1 52.97	− 3 40.1	2.157	2.964	12.9	21.8
12 7	1 47.60	− 2 49.5	2.247	2.954	15.3	22.0

55369 2001 SX_{224} 10 29.9 196°.90 1°.0/29.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 43.82	+12 38.1	1.921	2.784	12.7	20.0
10 8	2 37.39	+12 8.3	1.849	2.782	9.1	19.8
10 18	2 28.98	+11 30.9	1.802	2.779	5.0	19.5
10 28	2 19.39	+10 49.6	1.783	2.775	1.2	19.2
11 7	2 9.66	+10 9.2	1.793	2.771	4.0	19.4
11 17	2 0.82	+ 9 34.7	1.831	2.766	8.2	19.7
11 27	1 53.75	+ 9 10.6	1.896	2.761	11.9	19.9
12 7	1 49.03	+ 8 59.7	1.983	2.755	15.0	20.1

287732 2003 RS_{21} 10 29.9 15°.16 1°.8/30.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 43.54	+17 28.2	1.044	1.930	19.0	19.7
10 8	2 38.37	+17 43.1	0.992	1.933	14.0	19.4
10 18	2 29.96	+17 42.3	0.960	1.937	8.3	19.1
10 28	2 19.58	+17 27.5	0.950	1.942	2.5	18.8
11 7	2 9.02	+17 3.8	0.964	1.948	4.9	19.0
11 17	2 0.08	+16 38.7	1.001	1.955	10.7	19.3
11 27	1 54.13	+16 20.1	1.060	1.963	15.8	19.7
12 7	1 51.83	+16 13.8	1.137	1.972	20.1	20.0

265443 2004 XA_{42} 10 29.9 350°.17 2°.6/28.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 39.08	+ 7 50.0	1.840	2.719	12.3	19.6
10 8	2 34.03	+ 7 22.9	1.775	2.715	8.8	19.4
10 18	2 27.11	+ 6 52.9	1.734	2.712	5.1	19.2
10 28	2 19.09	+ 6 24.3	1.720	2.708	2.6	19.0
11 7	2 10.95	+ 6 2.0	1.733	2.706	5.0	19.2
11 17	2 3.64	+ 5 49.7	1.774	2.704	8.8	19.4
11 27	1 58.02	+ 5 50.5	1.840	2.702	12.3	19.6
12 7	1 54.62	+ 6 5.5	1.927	2.701	15.3	19.8

24412 Ericpalmer 10 29.9 20°.50 4°.2/25.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 36.40	+ 4 44.1	2.112	2.992	10.9	17.4
10 8	2 31.84	+ 3 15.2	2.055	2.994	7.9	17.2
10 18	2 25.78	+ 1 44.8	2.024	2.996	5.1	17.0
10 28	2 18.88	+ 0 19.4	2.021	2.998	4.3	17.0
11 7	2 11.94	− 0 54.2	2.047	3.000	6.3	17.1
11 17	2 5.74	− 1 51.1	2.100	3.002	9.3	17.3
11 27	2 0.96	− 2 28.2	2.179	3.004	12.1	17.5
12 7	1 58.03	− 2 45.0	2.278	3.006	14.6	17.7

266835 2009 UP_{17} 10 29.9 346°.20 1°.3/30.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 39.83	+18 9.2	1.901	2.759	13.0	20.4
10 8	2 34.65	+18 8.4	1.828	2.755	9.6	20.1
10 18	2 27.51	+17 56.8	1.778	2.750	5.7	19.9
10 28	2 19.18	+17 35.9	1.755	2.746	1.8	19.6
11 7	2 10.66	+17 9.2	1.760	2.743	3.3	19.7
11 17	2 2.95	+16 41.1	1.793	2.740	7.4	20.0
11 27	1 56.97	+16 16.8	1.852	2.737	11.1	20.2
12 7	1 53.29	+16 0.4	1.933	2.735	14.3	20.4

189927 2003 SH_{191} 10 29.9 117°.57 3°.0/26.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 37.77	+ 5 51.8	2.502	3.373	9.8	20.3
10 8	2 32.57	+ 4 49.9	2.449	3.385	7.0	20.1
10 18	2 26.08	+ 3 46.8	2.423	3.396	4.3	20.0
10 28	2 18.92	+ 2 47.1	2.426	3.408	3.1	19.9
11 7	2 11.78	+ 1 55.5	2.459	3.419	4.9	20.0
11 17	2 5.32	+ 1 15.6	2.521	3.430	7.6	20.2
11 27	2 0.12	+ 0 49.9	2.609	3.440	10.2	20.4
12 7	1 56.57	+ 0 39.0	2.719	3.451	12.4	20.6

164600 1060 $T\text{-}_2$ 10 29.9 16°.06 5°.1/25.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 35.96	+ 7 48.2	1.266	2.167	15.3	18.8
10 8	2 32.23	+ 5 48.9	1.221	2.172	10.9	18.6
10 18	2 26.22	+ 3 43.5	1.199	2.178	6.7	18.4
10 28	2 18.96	+ 1 44.0	1.202	2.185	5.2	18.3
11 7	2 11.71	+ 0 2.3	1.231	2.193	8.3	18.5
11 17	2 5.67	− 1 12.5	1.284	2.202	12.5	18.8
11 27	2 1.78	− 1 56.3	1.358	2.212	16.4	19.1
12 7	2 0.53	− 2 9.8	1.450	2.223	19.6	19.3

517970 2015 TX_{366} 10 29.9 355°.08 4°.5/25.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 28	2 36.73	+ 4 59.0	1.780	2.666	12.3	21.1
10 8	2 32.34	+ 3 36.3	1.721	2.663	8.9	20.9
10 18	2 26.16	+ 2 11.5	1.688	2.662	5.7	20.7
10 28	2 18.96	+ 0 52.1	1.681	2.660	4.6	20.7
11 7	2 11.68	− 0 14.5	1.702	2.659	6.9	20.8
11 17	2 5.26	− 1 2.7	1.750	2.659	10.3	21.0
11 27	2 0.49	− 1 29.3	1.821	2.659	13.6	21.2
12 7	1 57.87	− 1 33.8	1.911	2.659	16.4	21.4

431649 2008 BM_{8} 10 29.9 251°.89 1°.6/29.0 17

9 28	2 44.79	+11 27.0	1.475	2.351	15.0	21.5
10 8	2 38.63	+11 3.3	1.405	2.344	10.8	21.3
10 18	2 29.92	+10 31.8	1.358	2.336	6.1	21.0
10 28	2 19.62	+ 9 56.9	1.337	2.329	1.7	20.7
11 7	2 9.05	+ 9 24.3	1.343	2.321	5.1	20.9
11 17	1 59.57	+ 9 0.0	1.375	2.314	10.0	21.2
11 27	1 52.35	+ 8 48.9	1.432	2.306	14.5	21.4
12 7	1 48.05	+ 8 53.6	1.509	2.298	18.2	21.6

74648 1999 RM_{72} 10 29.9 92°.21 0°.0/29.8 18

9 28	2 46.43	+15 9.6	1.423	2.291	15.9	19.6
10 8	2 39.59	+14 50.7	1.373	2.307	11.4	19.4
10 18	2 30.29	+14 20.5	1.347	2.323	6.4	19.2
10 28	2 19.65	+13 42.9	1.346	2.339	1.0	18.8
11 7	2 9.08	+13 3.6	1.372	2.354	4.3	19.1
11 17	1 59.91	+12 29.1	1.426	2.369	9.2	19.5
11 27	1 53.16	+12 5.0	1.504	2.384	13.5	19.8
12 7	1 49.35	+11 54.8	1.602	2.399	17.0	20.0

274298 2008 QL_{22} 10 29.9 28°.28 2°.1/ 1.0 18

9 28	2 38.09	+22 44.5	2.094	2.936	12.6	20.3
10 8	2 33.21	+22 18.9	2.026	2.940	9.4	20.1
10 18	2 26.61	+21 38.8	1.981	2.945	5.9	19.9
10 28	2 19.05	+20 46.3	1.963	2.951	2.7	19.7
11 7	2 11.42	+19 45.8	1.974	2.956	3.2	19.8
11 17	2 4.61	+18 42.8	2.014	2.962	6.6	20.0
11 27	1 59.40	+17 43.6	2.081	2.968	10.0	20.2
12 7	1 56.25	+16 53.3	2.171	2.974	12.9	20.4

418638 2008 TL_{52} 10 29.9 209°.75 3°.0/ 1.5 17

9 28	2 44.01	+23 38.0	2.605	3.422	11.1	20.8
10 8	2 37.31	+24 9.8	2.522	3.420	8.6	20.7
10 18	2 28.91	+24 30.9	2.465	3.417	5.8	20.5
10 28	2 19.45	+24 40.7	2.436	3.415	3.4	20.3
11 7	2 9.75	+24 40.2	2.437	3.412	3.6	20.3
11 17	2 0.68	+24 31.7	2.469	3.409	6.1	20.5
11 27	1 53.02	+24 19.1	2.529	3.406	8.9	20.7
12 7	1 47.32	+24 6.7	2.614	3.403	11.4	20.8

377489 2005 EY_{60} 10 29.9 85°.23 8°.7/ 5.2 16

9 28	2 53.23	+35 33.2	1.522	2.306	19.2	20.6
10 8	2 44.82	+36 26.0	1.475	2.334	15.8	20.4
10 18	2 33.35	+36 49.8	1.448	2.361	12.4	20.3
10 28	2 20.17	+36 40.5	1.444	2.388	9.6	20.2
11 7	2 7.06	+36 0.0	1.466	2.414	8.8	20.2
11 17	1 55.72	+34 55.9	1.513	2.439	10.3	20.4
11 27	1 47.39	+33 39.7	1.585	2.464	13.0	20.6
12 7	1 42.62	+32 23.1	1.679	2.489	15.8	20.9

333758 2011 BD_{75} 10 29.9 85°.23 2°.6/31.9 17

9 28	2 45.35	+22 30.3	1.547	2.395	16.0	21.1
10 8	2 38.71	+22 12.3	1.497	2.415	11.9	20.9
10 18	2 29.75	+21 36.2	1.470	2.436	7.4	20.7
10 28	2 19.57	+20 44.6	1.468	2.456	3.2	20.5
11 7	2 9.50	+19 43.1	1.494	2.476	4.0	20.6
11 17	2 0.78	+18 39.5	1.548	2.496	8.2	20.9
11 27	1 54.38	+17 41.7	1.627	2.516	12.2	21.2
12 7	1 50.79	+16 55.7	1.728	2.535	15.5	21.5

514618 2004 EC_{24} 10 29.9 173°.82 2°.4/27.4 18

9 28	2 39.46	+ 7 53.0	2.571	3.436	9.8	22.6
10 8	2 33.82	+ 6 56.3	2.506	3.439	7.0	22.4
10 18	2 26.83	+ 5 56.6	2.467	3.442	4.0	22.2
10 28	2 19.10	+ 4 58.1	2.458	3.444	2.4	22.1
11 7	2 11.33	+ 4 5.3	2.480	3.445	4.4	22.2
11 17	2 4.20	+ 3 22.2	2.531	3.446	7.3	22.4
11 27	1 58.35	+ 2 51.7	2.609	3.446	10.0	22.6
12 7	1 54.17	+ 2 35.2	2.710	3.446	12.3	22.8

386144 2007 TT_{161} 10 29.9 71°.87 1°.6/28.8 18

9 28	2 43.25	+11 49.4	1.637	2.509	14.0	20.6
10 8	2 36.93	+11 8.5	1.596	2.533	9.9	20.4
10 18	2 28.64	+10 20.8	1.579	2.558	5.4	20.2
10 28	2 19.38	+ 9 31.7	1.590	2.582	1.6	20.0
11 7	2 10.29	+ 8 46.9	1.628	2.606	4.6	20.2
11 17	2 2.41	+ 8 11.7	1.694	2.630	8.7	20.5
11 27	1 56.55	+ 7 50.1	1.785	2.653	12.4	20.8
12 7	1 53.14	+ 7 43.7	1.898	2.677	15.4	21.1

137223 1999 RM_{7} 10 29.9 332°.57 3°.7/31.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 28	2 46.42	+21 15.1	1.312	2.172	17.6	19.6
10 8	2 40.30	+21 51.2	1.244	2.167	13.4	19.3
10 18	2 31.09	+22 11.1	1.196	2.163	8.6	19.1
10 28	2 19.86	+22 13.6	1.172	2.159	4.3	18.8
11 7	2 8.21	+22 0.7	1.174	2.155	5.1	18.8
11 17	1 57.83	+21 38.0	1.202	2.152	9.8	19.1
11 27	1 50.14	+21 13.5	1.253	2.149	14.5	19.4
12 7	1 45.94	+20 54.9	1.324	2.146	18.5	19.6

514806 2007 SV_{3} 10 29.9 43°.10 3°.8/31.7 18

9 28	2 50.52	+20 11.7	1.414	2.266	17.0	19.8
10 8	2 42.79	+21 19.2	1.365	2.284	12.8	19.6
10 18	2 32.23	+22 12.8	1.338	2.302	8.2	19.4
10 28	2 20.02	+22 50.1	1.336	2.321	4.3	19.2
11 7	2 7.74	+23 11.6	1.362	2.341	5.0	19.3
11 17	1 56.93	+23 21.0	1.415	2.361	9.1	19.6
11 27	1 48.80	+23 24.6	1.493	2.381	13.1	19.9
12 7	1 43.99	+23 28.7	1.592	2.402	16.5	20.2

66493 1999 RV_{56} 10 29.9 70°.27 6°.5/24.9 18

9 28	2 41.21	+ 1 9.2	1.542	2.427	13.9	19.2
10 8	2 35.48	− 0 34.6	1.513	2.451	10.3	19.0
10 18	2 27.83	− 2 13.8	1.508	2.474	7.3	18.9
10 28	2 19.25	− 3 39.0	1.529	2.497	6.6	18.9
11 7	2 10.89	− 4 42.5	1.578	2.520	8.8	19.1
11 17	2 3.73	− 5 20.2	1.651	2.543	12.0	19.3
11 27	1 58.57	− 5 31.1	1.747	2.565	15.0	19.6
12 7	1 55.81	− 5 17.9	1.862	2.588	17.4	19.8

179677 2002 QL_{64} 10 29.9 174°.82 1°.9/28.7 18

9 28	2 44.56	+11 3.2	1.687	2.557	13.7	21.0
10 8	2 38.09	+10 24.3	1.623	2.559	9.8	20.7
10 18	2 29.46	+ 9 38.5	1.583	2.561	5.5	20.5
10 28	2 19.56	+ 8 50.5	1.571	2.562	1.9	20.3
11 7	2 9.57	+ 8 6.3	1.587	2.563	4.9	20.5
11 17	2 0.62	+ 7 31.3	1.630	2.563	9.2	20.7
11 27	1 53.68	+ 7 10.1	1.699	2.563	13.1	21.0
12 7	1 49.32	+ 7 5.0	1.789	2.562	16.4	21.2

425569 2010 SO_{19} 10 29.9 75°.94 0°.6/30.3 17

9 28	2 48.62	+15 17.8	1.271	2.143	17.2	20.9
10 8	2 41.48	+15 27.8	1.222	2.156	12.5	20.6
10 18	2 31.49	+15 26.5	1.194	2.170	7.1	20.4
10 28	2 19.90	+15 15.9	1.191	2.184	1.5	20.1
11 7	2 8.31	+15 0.5	1.215	2.198	4.5	20.3
11 17	1 58.27	+14 46.0	1.264	2.211	9.8	20.7
11 27	1 50.98	+14 38.2	1.338	2.225	14.4	21.0
12 7	1 47.01	+14 41.2	1.431	2.238	18.2	21.3

239352 2007 RF_{165} 10 29.9 296°.50 5°.2/25.4 18

9 28	2 38.40	+ 4 45.9	1.664	2.550	13.0	20.2
10 8	2 33.71	+ 3 4.6	1.600	2.542	9.5	20.0
10 18	2 27.02	+ 1 19.7	1.561	2.534	6.2	19.8
10 28	2 19.16	− 0 19.6	1.550	2.526	5.3	19.7
11 7	2 11.16	− 1 44.3	1.565	2.518	7.8	19.8
11 17	2 4.06	− 2 47.4	1.607	2.511	11.5	20.0
11 27	1 58.76	− 3 24.8	1.672	2.503	14.9	20.2
12 7	1 55.81	− 3 36.4	1.755	2.496	17.9	20.4

73990 1998 EU_{12} 10 29.9 108°.21 1°.4/30.9 18

9 28	2 48.12	+18 12.6	1.567	2.421	15.5	18.8
10 8	2 40.71	+18 11.4	1.514	2.439	11.3	18.6
10 18	2 30.91	+17 57.1	1.484	2.456	6.6	18.4
10 28	2 19.80	+17 31.6	1.481	2.472	2.0	18.2
11 7	2 8.72	+16 59.3	1.506	2.488	3.9	18.3
11 17	1 58.97	+16 26.2	1.559	2.504	8.4	18.6
11 27	1 51.57	+15 58.3	1.637	2.519	12.5	18.9
12 7	1 47.05	+15 40.4	1.737	2.533	15.9	19.2

104599 2000 GA_{94} 10 29.9 98°.36 5°.9/24.5 18

9 28	2 40.39	− 1 33.1	2.089	2.962	11.4	19.9
10 8	2 34.55	− 2 57.9	2.056	2.984	8.6	19.7
10 18	2 27.23	− 4 17.2	2.048	3.005	6.4	19.6
10 28	2 19.17	− 5 24.4	2.068	3.026	6.0	19.7
11 7	2 11.24	− 6 14.1	2.116	3.047	7.7	19.8
11 17	2 4.21	− 6 43.3	2.192	3.067	10.2	20.0
11 27	1 58.74	− 6 51.4	2.291	3.086	12.6	20.2
12 7	1 55.19	− 6 39.7	2.410	3.106	14.6	20.4

222390 2001 DR_{97} 10 29.9 224°.90 5°.4/24.4 18

9 28	2 38.09	− 2 30.9	2.448	3.318	10.0	20.4
10 8	2 32.94	− 3 35.2	2.387	3.312	7.7	20.2
10 18	2 26.40	− 4 35.3	2.351	3.306	5.8	20.1
10 28	2 19.06	− 5 26.0	2.344	3.300	5.5	20.1
11 7	2 11.64	− 6 2.5	2.365	3.294	7.1	20.2
11 17	2 4.85	− 6 22.0	2.413	3.288	9.4	20.3
11 27	1 59.33	− 6 23.1	2.486	3.281	11.7	20.5
12 7	1 55.51	− 6 6.5	2.579	3.274	13.8	20.6

2020	α_{2000}	δ_{2000}	Δ	r	β	V
432297 2009 SO_{280}		10 29.9 22°.39 0°.3/30.1 18				
	h m	° ′			°	m
9 28	2 45.12	+13 57.2	1.149	2.033	17.7	19.8
10 8	2 39.25	+14 15.0	1.098	2.039	12.9	19.5
10 18	2 30.39	+14 23.0	1.067	2.046	7.3	19.2
10 28	2 19.74	+14 23.3	1.061	2.054	1.3	18.9
11 7	2 8.99	+14 20.1	1.079	2.062	4.7	19.1
11 17	1 59.75	+14 18.4	1.122	2.072	10.3	19.5
11 27	1 53.31	+14 23.8	1.187	2.082	15.2	19.8
12 7	1 50.30	+14 39.7	1.272	2.093	19.2	20.1
120231 2004 FF_{64}		10 29.9 82°.97 3°.7/26.6 18				
9 28	2 38.91	+ 6 44.4	1.919	2.798	11.9	19.7
10 8	2 33.71	+ 5 23.7	1.870	2.810	8.5	19.5
10 18	2 26.86	+ 4 0.5	1.847	2.822	5.2	19.3
10 28	2 19.14	+ 2 41.4	1.851	2.834	3.7	19.2
11 7	2 11.46	+ 1 33.2	1.885	2.846	6.0	19.4
11 17	2 4.69	+ 0 41.1	1.945	2.858	9.3	19.6
11 27	1 59.53	+ 0 8.2	2.031	2.869	12.4	19.9
12 7	1 56.42	− 0 5.0	2.137	2.881	15.0	20.1
261494 2005 WM_{11}		10 29.9 260°.32 1°.2/31.1 18				
9 28	2 39.12	+19 53.1	2.106	2.955	12.2	20.7
10 8	2 33.96	+19 20.3	2.033	2.955	9.0	20.5
10 18	2 27.08	+18 34.6	1.984	2.954	5.4	20.3
10 28	2 19.20	+17 38.9	1.963	2.954	1.7	20.0
11 7	2 11.22	+16 37.7	1.971	2.954	3.0	20.1
11 17	2 4.03	+15 36.6	2.008	2.953	6.8	20.4
11 27	1 58.41	+14 41.5	2.072	2.953	10.3	20.6
12 7	1 54.87	+13 57.0	2.159	2.953	13.3	20.8
18578 1997 XP		10 29.9 48°.06 4°.7/28.1 18				
9 28	2 47.87	+ 4 20.7	1.056	1.950	18.2	17.2
10 8	2 40.97	+ 4 5.3	1.023	1.968	13.1	17.0
10 18	2 31.15	+ 3 52.1	1.011	1.988	7.8	16.8
10 28	2 19.86	+ 3 47.4	1.022	2.008	4.7	16.7
11 7	2 8.83	+ 3 56.3	1.057	2.029	7.6	16.9
11 17	1 59.64	+ 4 21.4	1.117	2.050	12.4	17.2
11 27	1 53.39	+ 5 3.2	1.198	2.072	16.7	17.6
12 7	1 50.55	+ 5 59.9	1.297	2.093	20.3	17.9
320184 2007 GY_{36}		10 29.9 235°.49 1°.3/28.8 17				
9 28	2 39.13	+11 11.8	2.470	3.333	10.2	21.1
10 8	2 33.76	+10 38.6	2.391	3.324	7.3	20.9
10 18	2 26.91	+10 0.3	2.337	3.314	4.0	20.7
10 28	2 19.17	+ 9 20.0	2.313	3.305	1.3	20.5
11 7	2 11.30	+ 8 41.7	2.319	3.295	3.6	20.7
11 17	2 4.03	+ 8 9.1	2.354	3.285	6.9	20.9
11 27	1 58.05	+ 7 45.6	2.416	3.274	9.9	21.0
12 7	1 53.83	+ 7 33.6	2.502	3.263	12.6	21.2
263737 2008 JJ_{4}		10 29.9 339°.23 5°.1/26.1 18				
9 28	2 40.16	+ 0 31.0	1.912	2.790	12.0	20.0
10 8	2 34.74	− 0 11.0	1.852	2.787	8.9	19.8
10 18	2 27.52	− 0 49.7	1.817	2.784	6.1	19.6
10 28	2 19.28	− 1 19.5	1.808	2.781	5.2	19.5
11 7	2 10.94	− 1 35.6	1.827	2.778	7.1	19.6
11 17	2 3.44	− 1 35.0	1.873	2.776	10.1	19.8
11 27	1 57.58	− 1 16.4	1.943	2.774	13.1	20.0
12 7	1 53.87	− 0 40.9	2.033	2.772	15.8	20.2
515623 2014 KG_{104}		10 29.9 219°.05 2°.5/27.7 18				
9 28	2 39.66	+ 9 53.2	2.091	2.962	11.5	22.1
10 8	2 34.31	+ 8 43.6	2.019	2.956	8.2	21.8
10 18	2 27.26	+ 7 27.6	1.972	2.949	4.6	21.6
10 28	2 19.24	+ 6 10.7	1.954	2.943	2.5	21.5
11 7	2 11.09	+ 4 59.1	1.966	2.935	4.9	21.6
11 17	2 3.70	+ 3 58.8	2.006	2.928	8.5	21.8
11 27	1 57.83	+ 3 14.1	2.072	2.920	11.8	22.0
12 7	1 53.98	+ 2 47.1	2.160	2.912	14.6	22.2
48177 2001 HF_{27}		10 29.9 128°.16 0°.6/29.4 18				
9 28	2 39.88	+12 46.1	2.608	3.464	9.9	19.3
10 8	2 34.14	+12 28.4	2.544	3.473	7.1	19.2
10 18	2 27.05	+12 5.7	2.507	3.482	3.9	19.0
10 28	2 19.21	+11 40.3	2.498	3.491	0.8	18.7
11 7	2 11.34	+11 15.2	2.521	3.500	2.9	18.9
11 17	2 4.13	+10 53.7	2.573	3.508	6.1	19.2
11 27	1 58.19	+10 38.6	2.653	3.516	9.0	19.4
12 7	1 53.95	+10 32.0	2.756	3.524	11.4	19.5
474105 2016 LP_{19}		10 29.9 33°.70 9°.2/24.6 16				
9 28	2 41.15	− 1 34.7	1.044	1.947	17.5	20.1
10 8	2 36.23	− 3 13.0	1.013	1.957	13.4	19.9
10 18	2 28.56	− 4 42.0	1.002	1.968	10.0	19.7
10 28	2 19.46	− 5 49.1	1.014	1.979	9.4	19.7
11 7	2 10.51	− 6 24.9	1.048	1.992	12.0	19.9
11 17	2 3.14	− 6 25.9	1.103	2.005	15.7	20.2
11 27	1 58.42	− 5 53.8	1.178	2.019	19.3	20.5
12 7	1 56.82	− 4 54.0	1.268	2.033	22.3	20.7

2020	α_{2000}	δ_{2000}	Δ	r	β	V
13948 1990 QB_{6}		10 29.9 55°.93 6°.7/ 2.7 18				
	h m	° ′			°	m
9 28	2 51.59	+27 34.8	1.287	2.120	19.4	17.0
10 8	2 43.81	+28 38.4	1.245	2.145	15.3	16.8
10 18	2 32.89	+29 17.7	1.224	2.171	10.9	16.6
10 28	2 20.21	+29 29.5	1.226	2.197	7.4	16.5
11 7	2 7.61	+29 15.8	1.254	2.223	7.1	16.6
11 17	1 56.80	+28 43.5	1.308	2.250	10.0	16.8
11 27	1 49.08	+28 2.8	1.385	2.276	13.7	17.1
12 7	1 45.00	+27 23.7	1.483	2.303	17.0	17.4
275408 2011 BP_{53}		10 30.0 124°.02 0°.4/30.4 18				
9 28	2 38.41	+16 52.1	3.129	3.972	8.8	21.5
10 8	2 32.90	+16 29.6	3.068	3.988	6.4	21.3
10 18	2 26.29	+16 0.5	3.033	4.004	3.6	21.2
10 28	2 19.09	+15 26.6	3.027	4.020	0.8	21.0
11 7	2 11.90	+14 50.8	3.053	4.035	2.2	21.1
11 17	2 5.29	+14 16.1	3.110	4.050	5.0	21.3
11 27	1 59.75	+13 45.5	3.196	4.064	7.5	21.5
12 7	1 55.64	+13 21.5	3.306	4.078	9.6	21.7
441706 2009 AB_{31}		10 30.0 151°.10 0°.5/30.4 18				
9 28	2 41.93	+17 12.7	1.925	2.781	12.9	21.9
10 8	2 36.07	+16 46.7	1.858	2.785	9.4	21.7
10 18	2 28.31	+16 9.5	1.814	2.788	5.4	21.5
10 28	2 19.45	+15 24.2	1.798	2.791	1.2	21.2
11 7	2 10.50	+14 35.3	1.812	2.794	3.3	21.3
11 17	2 2.45	+13 48.4	1.853	2.796	7.5	21.6
11 27	1 56.16	+13 8.9	1.921	2.799	11.2	21.8
12 7	1 52.16	+12 40.9	2.012	2.801	14.3	22.1
420262 2011 KD_{11}		10 30.0 296°.81 17°.6/ 6.5 17				
9 28	2 50.79	+43 11.3	0.926	1.724	27.8	22.4
10 8	2 47.22	+44 16.3	0.811	1.670	25.3	21.9
10 18	2 37.44	+44 38.8	0.707	1.615	22.2	21.5
10 28	2 21.43	+43 52.6	0.618	1.557	19.1	21.0
11 7	2 1.13	+41 29.6	0.546	1.497	17.7	20.6
11 17	1 40.46	+37 12.5	0.492	1.436	20.2	20.3
11 27	1 24.03	+31 14.5	0.457	1.373	26.7	20.3
12 7	1 14.71	+24 19.3	0.438	1.309	35.3	20.3
72869 2001 HE_{62}		10 30.0 86°.21 2°.6/ 1.6 18				
9 28	2 40.42	+24 5.1	2.366	3.192	11.8	19.2
10 8	2 34.71	+23 57.2	2.303	3.207	9.0	19.0
10 18	2 27.44	+23 36.1	2.264	3.222	5.9	18.9
10 28	2 19.30	+23 2.8	2.254	3.236	3.1	18.7
11 7	2 11.14	+22 20.6	2.272	3.251	3.3	18.8
11 17	2 3.78	+21 33.8	2.320	3.265	6.0	19.0
11 27	1 57.92	+20 47.6	2.395	3.279	9.0	19.2
12 7	1 54.02	+20 6.6	2.495	3.293	11.6	19.4
80817 2000 CK_{125}		10 30.0 180°.90 0°.3/29.8 18				
9 28	2 44.76	+14 33.6	1.849	2.708	13.2	20.2
10 8	2 38.18	+14 10.3	1.779	2.709	9.6	19.9
10 18	2 29.53	+13 37.8	1.734	2.710	5.3	19.7
10 28	2 19.67	+12 59.2	1.717	2.710	0.9	19.4
11 7	2 9.67	+12 19.2	1.729	2.709	3.8	19.6
11 17	2 0.62	+11 43.1	1.769	2.708	8.1	19.9
11 27	1 53.46	+11 15.9	1.836	2.707	11.9	20.1
12 7	1 48.74	+11 1.0	1.924	2.704	15.2	20.3
299155 2005 EK_{330}		10 30.0 195°.20 0°.5/29.7 18				
9 28	2 42.84	+13 36.1	2.021	2.881	12.2	21.0
10 8	2 36.69	+13 19.8	1.950	2.880	8.8	20.7
10 18	2 28.67	+12 56.2	1.903	2.879	4.9	20.5
10 28	2 19.53	+12 28.0	1.884	2.877	0.8	20.2
11 7	2 10.26	+11 59.1	1.894	2.875	3.6	20.4
11 17	2 1.80	+11 33.9	1.934	2.872	7.6	20.7
11 27	1 55.02	+11 16.4	1.999	2.870	11.1	20.9
12 7	1 50.46	+11 9.5	2.088	2.867	14.2	21.1
278601 2008 PV_{2}		10 30.0 23°.38 4°.3/ 1.1 18				
9 28	2 44.85	+21 21.1	1.101	1.973	19.3	19.1
10 8	2 39.28	+22 9.9	1.055	1.984	14.6	18.8
10 18	2 30.52	+22 39.9	1.028	1.996	9.4	18.6
10 28	2 19.87	+22 49.9	1.024	2.010	4.9	18.4
11 7	2 9.12	+22 42.6	1.044	2.024	5.6	18.5
11 17	2 0.03	+22 24.4	1.087	2.040	10.1	18.8
11 27	1 53.92	+22 4.2	1.153	2.058	14.7	19.1
12 7	1 51.43	+21 49.3	1.239	2.076	18.6	19.4
226277 2003 AR_{92}		10 30.0 227°.18 1°.7/28.8 18				
9 28	2 43.70	+11 2.8	1.784	2.653	13.2	20.9
10 8	2 37.54	+10 30.1	1.710	2.645	9.5	20.7
10 18	2 29.25	+ 9 50.7	1.660	2.637	5.3	20.4
10 28	2 19.66	+ 9 8.7	1.637	2.629	1.7	20.2
11 7	2 9.85	+ 8 29.5	1.644	2.620	4.6	20.4
11 17	2 0.93	+ 7 58.3	1.678	2.611	8.9	20.6
11 27	1 53.89	+ 7 39.6	1.737	2.602	12.9	20.8
12 7	1 49.32	+ 7 35.8	1.818	2.592	16.2	21.0