198548 2004 XB_{132} 3 16.9 136°.27 5°.0/22.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 11.88	−16 56.1	2.485	3.213	13.6	21.3
2 21	12 6.69	−17 11.3	2.400	3.225	11.3	21.1
3 2	11 59.75	−17 7.9	2.337	3.236	8.7	21.0
3 12	11 51.66	−16 45.8	2.300	3.247	6.3	20.8
3 22	11 43.15	−16 7.1	2.290	3.258	5.0	20.8
4 1	11 35.02	−15 15.8	2.310	3.268	5.9	20.9
4 11	11 28.04	−14 17.8	2.358	3.278	8.2	21.0
4 21	11 22.72	−13 19.1	2.431	3.287	10.7	21.2

107677 2001 FN_{10} 3 16.9 268°.75 0°.9/17.7 18

2 11	12 13.41	− 2 5.7	1.690	2.508	15.4	19.7
2 21	12 8.66	− 2 1.6	1.598	2.497	11.9	19.4
3 2	12 1.41	− 1 42.8	1.529	2.485	7.6	19.1
3 12	11 52.32	− 1 12.6	1.485	2.474	3.0	18.8
3 22	11 42.43	− 0 35.7	1.468	2.462	2.4	18.8
4 1	11 32.93	+ 0 1.3	1.480	2.450	7.2	19.0
4 11	11 24.98	+ 0 32.2	1.516	2.438	11.7	19.3
4 21	11 19.37	+ 0 52.1	1.575	2.426	15.7	19.5

123009 2000 ST_{260} 3 16.9 242°.30 0°.3/16.7 17

2 11	12 12.20	− 1 30.9	1.883	2.699	14.2	20.5
2 21	12 7.57	− 0 45.9	1.783	2.683	10.8	20.3
3 2	12 0.65	+ 0 15.4	1.707	2.666	6.8	20.0
3 12	11 52.06	+ 1 28.6	1.658	2.648	2.3	19.7
3 22	11 42.69	+ 2 46.6	1.637	2.629	2.5	19.6
4 1	11 33.62	+ 4 1.6	1.645	2.610	7.2	19.9
4 11	11 25.88	+ 5 5.9	1.680	2.590	11.5	20.1
4 21	11 20.25	+ 5 54.6	1.737	2.569	15.3	20.3

75012 1999 UO_3 3 16.9 170°.39 1°.3/18.4 18

2 11	12 11.32	− 5 53.4	1.945	2.744	14.4	19.6
2 21	12 6.65	− 5 19.1	1.861	2.748	11.1	19.4
3 2	11 59.91	− 4 26.9	1.800	2.750	7.3	19.2
3 12	11 51.75	− 3 20.6	1.766	2.752	3.1	18.9
3 22	11 43.06	− 2 6.1	1.761	2.754	2.1	18.9
4 1	11 34.83	− 0 50.7	1.785	2.755	6.2	19.1
4 11	11 27.96	+ 0 18.1	1.836	2.756	10.1	19.4
4 21	11 23.08	+ 1 15.0	1.910	2.756	13.6	19.6

290208 2005 SN_{40} 3 16.9 199°.47 1°.3/15.9 18

2 11	12 16.10	+ 2 9.9	1.750	2.574	14.7	21.5
2 21	12 10.50	+ 2 45.2	1.666	2.571	11.1	21.2
3 2	12 2.44	+ 3 32.7	1.605	2.567	6.8	21.0
3 12	11 52.64	+ 4 26.7	1.571	2.562	2.3	20.7
3 22	11 42.15	+ 5 20.4	1.566	2.556	3.3	20.7
4 1	11 32.16	+ 6 6.7	1.590	2.550	7.9	21.0
4 11	11 23.77	+ 6 39.8	1.639	2.543	12.2	21.2
4 21	11 17.72	+ 6 56.7	1.710	2.535	15.9	21.4

458643 2011 GH_{35} 3 16.9 304°.76 1°.3/17.9 17

2 11	12 14.68	− 1 26.1	1.746	2.562	15.1	20.8
2 21	12 9.69	− 1 48.8	1.643	2.540	11.7	20.5
3 2	12 2.13	− 2 0.4	1.563	2.518	7.6	20.2
3 12	11 52.61	− 2 2.8	1.508	2.496	3.2	19.9
3 22	11 42.13	− 1 58.9	1.481	2.474	2.4	19.8
4 1	11 31.89	− 1 53.1	1.482	2.453	7.1	20.0
4 11	11 23.11	− 1 50.4	1.509	2.432	11.7	20.2
4 21	11 16.67	− 1 54.6	1.558	2.411	15.8	20.4

460349 2014 RQ_{33} 3 16.9 161°.27 2°.7/14.6 18

2 11	12 13.46	+ 5 32.9	1.751	2.587	14.2	21.6
2 21	12 8.40	+ 6 25.1	1.679	2.591	10.5	21.4
3 2	12 1.05	+ 7 26.6	1.631	2.595	6.4	21.1
3 12	11 52.15	+ 8 30.1	1.610	2.598	2.9	20.9
3 22	11 42.71	+ 9 28.1	1.617	2.601	4.4	21.0
4 1	11 33.85	+10 13.6	1.652	2.603	8.5	21.2
4 11	11 26.58	+10 42.0	1.712	2.605	12.3	21.5
4 21	11 21.53	+10 51.6	1.793	2.606	15.7	21.7

235909 2005 EA_{25} 3 16.9 91°.06 2°.1/15.0 18

2 11	12 13.28	+ 6 37.3	2.091	2.921	12.4	20.2
2 21	12 7.86	+ 6 58.1	2.020	2.928	9.2	20.0
3 2	12 0.52	+ 7 24.0	1.974	2.936	5.7	19.8
3 12	11 51.93	+ 7 50.3	1.956	2.944	2.4	19.6
3 22	11 42.95	+ 8 12.2	1.967	2.952	3.5	19.7
4 1	11 34.50	+ 8 25.3	2.006	2.960	7.0	19.9
4 11	11 27.42	+ 8 26.9	2.072	2.968	10.4	20.1
4 21	11 22.23	+ 8 15.9	2.161	2.975	13.4	20.3

417224 2005 YQ_{37} 3 16.9 81°.54 5°.9/22.3 18

2 11	12 14.87	−15 20.6	1.918	2.668	16.3	20.6
2 21	12 9.34	−16 1.4	1.846	2.685	13.5	20.5
3 2	12 1.57	−16 21.2	1.794	2.703	10.3	20.3
3 12	11 52.32	−16 19.0	1.767	2.721	7.3	20.1
3 22	11 42.55	−15 56.7	1.767	2.738	5.9	20.1
4 1	11 33.35	−15 18.8	1.795	2.755	7.1	20.2
4 11	11 25.69	−14 32.4	1.849	2.772	9.9	20.4
4 21	11 20.20	−13 44.5	1.927	2.789	12.8	20.6

200651 2001 TC_5 3 16.9 148°.31 0°.4/16.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 14.42	+ 0 0.8	1.521	2.350	16.3	21.4
2 21	12 9.46	+ 0 26.6	1.447	2.354	12.3	21.2
3 2	12 1.87	+ 1 7.5	1.396	2.357	7.6	20.9
3 12	11 52.47	+ 1 57.9	1.369	2.360	2.5	20.6
3 22	11 42.40	+ 2 50.8	1.370	2.363	2.9	20.6
4 1	11 32.99	+ 3 38.3	1.398	2.365	7.9	21.0
4 11	11 25.38	+ 4 13.7	1.451	2.368	12.6	21.2
4 21	11 20.30	+ 4 33.3	1.525	2.370	16.5	21.5

369326 2009 SW_{201} 3 16.9 158°.83 0°.3/16.6 16

2 11	12 10.62	− 0 41.1	2.239	3.051	12.3	22.5
2 21	12 5.83	+ 0 1.2	2.159	3.057	9.3	22.3
3 2	11 59.26	+ 0 55.2	2.104	3.063	5.7	22.1
3 12	11 51.52	+ 1 56.6	2.077	3.068	1.9	21.8
3 22	11 43.37	+ 2 59.8	2.080	3.072	2.2	21.9
4 1	11 35.64	+ 3 58.8	2.113	3.076	6.0	22.1
4 11	11 29.09	+ 4 48.5	2.173	3.080	9.5	22.4
4 21	11 24.25	+ 5 25.4	2.257	3.083	12.5	22.6

242425 2004 LC_{16} 3 17.0 238°.79 6°.7/25.7 18

2 11	12 8.44	−23 52.5	2.708	3.389	13.5	20.0
2 21	12 4.21	−24 19.2	2.604	3.383	11.8	19.8
3 2	11 58.31	−24 25.8	2.521	3.377	9.8	19.7
3 12	11 51.23	−24 10.9	2.461	3.371	8.0	19.6
3 22	11 43.64	−23 35.2	2.428	3.365	6.8	19.5
4 1	11 36.29	−22 41.4	2.421	3.358	7.0	19.5
4 11	11 29.92	−21 35.0	2.442	3.352	8.4	19.5
4 21	11 25.08	−20 22.2	2.488	3.345	10.4	19.7

365176 2009 ET_{30} 3 17.0 327°.29 0°.5/17.4 17

2 11	12 8.46	− 2 41.8	1.343	2.181	17.5	20.7
2 21	12 5.43	− 2 15.9	1.261	2.171	13.4	20.4
3 2	11 59.62	− 1 29.3	1.199	2.161	8.6	20.1
3 12	11 51.79	− 0 26.6	1.161	2.151	3.1	19.7
3 22	11 43.07	+ 0 44.2	1.148	2.142	2.7	19.6
4 1	11 34.86	+ 1 53.3	1.161	2.133	8.3	19.9
4 11	11 28.45	+ 2 50.9	1.196	2.126	13.5	20.2
4 21	11 24.70	+ 3 30.8	1.252	2.119	18.0	20.5

409915 2006 TN_{74} 3 17.0 113°.72 6°.6/10.9 18

2 11	12 17.89	+18 52.2	1.910	2.747	13.1	21.8
2 21	12 11.40	+19 52.7	1.860	2.764	10.2	21.6
3 2	12 2.70	+20 48.3	1.836	2.780	7.6	21.5
3 12	11 52.66	+21 30.8	1.839	2.797	6.7	21.5
3 22	11 42.33	+21 54.1	1.869	2.812	8.0	21.6
4 1	11 32.81	+21 54.8	1.926	2.828	10.6	21.8
4 11	11 25.01	+21 33.1	2.008	2.842	13.3	22.0
4 21	11 19.47	+20 51.5	2.109	2.856	15.7	22.2

209089 2003 SH_{33} 3 17.0 321°.40 1°.5/15.9 18

2 11	12 14.26	+ 3 35.7	1.427	2.269	16.5	20.5
2 21	12 9.59	+ 3 49.9	1.350	2.263	12.4	20.3
3 2	12 2.10	+ 4 15.2	1.294	2.258	7.7	20.0
3 12	11 52.60	+ 4 45.9	1.262	2.253	2.7	19.7
3 22	11 42.29	+ 5 15.2	1.258	2.248	3.7	19.7
4 1	11 32.59	+ 5 36.1	1.279	2.244	8.8	20.0
4 11	11 24.79	+ 5 43.5	1.324	2.239	13.6	20.2
4 21	11 19.68	+ 5 34.8	1.389	2.236	17.7	20.5

496727 2016 GX_{58} 3 17.0 164°.42 0°.9/17.8 17

2 11	12 13.50	− 2 15.9	1.769	2.583	15.0	21.9
2 21	12 8.49	− 2 13.6	1.687	2.583	11.5	21.7
3 2	12 1.16	− 1 57.5	1.629	2.584	7.4	21.5
3 12	11 52.23	− 1 30.7	1.596	2.584	2.9	21.2
3 22	11 42.68	− 0 58.0	1.591	2.585	2.2	21.1
4 1	11 33.63	− 0 25.1	1.615	2.585	6.7	21.4
4 11	11 26.12	+ 0 2.1	1.664	2.585	10.9	21.7
4 21	11 20.82	+ 0 19.5	1.736	2.585	14.6	21.9

184998 2006 OU_{11} 3 17.0 154°.29 4°.0/21.4 18

2 11	12 14.70	−13 29.1	2.416	3.159	13.5	21.3
2 21	12 8.81	−13 36.6	2.329	3.171	11.0	21.1
3 2	12 1.10	−13 26.6	2.265	3.181	8.1	21.0
3 12	11 52.16	−12 59.7	2.228	3.190	5.3	20.8
3 22	11 42.76	−12 18.5	2.220	3.199	4.0	20.7
4 1	11 33.78	−11 27.4	2.242	3.206	5.6	20.8
4 11	11 26.00	−10 32.3	2.293	3.213	8.4	21.0
4 21	11 19.98	− 9 38.9	2.369	3.219	11.2	21.2

496160 2010 VE_{198} 3 17.0 82°.08 3°.3/13.9 18

2 11	12 14.04	+ 7 29.5	1.720	2.559	14.2	21.7
2 21	12 8.63	+ 8 26.9	1.670	2.584	10.5	21.5
3 2	12 1.03	+ 9 30.3	1.645	2.608	6.5	21.4
3 12	11 52.10	+10 31.8	1.646	2.632	3.5	21.2
3 22	11 42.89	+11 24.0	1.676	2.656	4.9	21.4
4 1	11 34.47	+12 1.2	1.734	2.679	8.6	21.6
4 11	11 27.73	+12 20.0	1.816	2.702	12.1	21.9
4 21	11 23.20	+12 20.2	1.919	2.725	15.1	22.1

166518 2002 QR_{72} 3 17.0 102°.69 0°.4/17.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 9.69	− 2 0.1	2.129	2.941	12.9	21.0
2 21	12 5.22	− 1 35.5	2.051	2.947	9.7	20.8
3 2	11 58.93	− 0 58.5	1.997	2.953	6.1	20.6
3 12	11 51.43	− 0 12.8	1.970	2.959	2.2	20.4
3 22	11 43.50	+ 0 36.7	1.972	2.965	1.9	20.4
4 1	11 36.02	+ 1 24.2	2.003	2.971	5.8	20.6
4 11	11 29.76	+ 2 4.8	2.061	2.976	9.4	20.9
4 21	11 25.27	+ 2 34.6	2.142	2.982	12.5	21.1

84871 2003 BV_{28} 3 17.0 93°.91 0°.1/17.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 10.89	− 4 3.4	1.876	2.686	14.4	19.7
2 21	12 6.17	− 2 48.5	1.816	2.712	10.8	19.5
3 2	11 59.49	− 1 16.5	1.780	2.737	6.7	19.3
3 12	11 51.59	+ 0 25.9	1.772	2.762	2.3	19.1
3 22	11 43.39	+ 2 10.4	1.793	2.786	2.2	19.1
4 1	11 35.84	+ 3 48.1	1.844	2.810	6.5	19.5
4 11	11 29.73	+ 5 11.8	1.922	2.833	10.3	19.7
4 21	11 25.59	+ 6 17.3	2.024	2.855	13.5	20.0

18516 1996 TL_{29} 3 17.0 105°.88 1°.5/18.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 13.18	− 6 6.4	1.737	2.540	15.7	18.8
2 21	12 8.10	− 5 34.6	1.671	2.559	12.1	18.6
3 2	12 0.80	− 4 43.9	1.628	2.578	7.9	18.4
3 12	11 52.07	− 3 38.7	1.610	2.596	3.4	18.1
3 22	11 42.92	− 2 25.6	1.621	2.614	2.3	18.1
4 1	11 34.44	− 1 12.6	1.660	2.631	6.5	18.4
4 11	11 27.57	− 0 7.4	1.726	2.648	10.5	18.7
4 21	11 22.89	+ 0 44.9	1.815	2.664	14.0	18.9

151909 2004 ET_{39} 3 17.0 277°.94 0°.9/17.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 12.93	− 2 50.2	1.379	2.209	17.6	20.2
2 21	12 8.87	− 2 36.8	1.290	2.195	13.6	19.9
3 2	12 1.85	− 2 3.9	1.222	2.180	8.8	19.6
3 12	11 52.59	− 1 15.0	1.177	2.166	3.4	19.3
3 22	11 42.28	− 0 16.9	1.158	2.151	2.7	19.2
4 1	11 32.39	+ 0 41.5	1.165	2.137	8.4	19.5
4 11	11 24.34	+ 1 31.0	1.195	2.122	13.7	19.7
4 21	11 19.09	+ 2 5.2	1.246	2.108	18.4	19.9

79265 1995 OV_{2} 3 17.0 75°.21 0°.4/16.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 6.88	− 1 11.4	2.185	3.003	12.4	19.4
2 21	12 3.08	− 0 17.1	2.109	3.011	9.2	19.2
3 2	11 57.59	+ 0 50.1	2.059	3.018	5.7	19.0
3 12	11 50.98	+ 2 5.0	2.036	3.026	1.8	18.8
3 22	11 44.00	+ 3 21.5	2.042	3.034	2.2	18.8
4 1	11 37.44	+ 4 33.1	2.078	3.042	6.0	19.1
4 11	11 32.02	+ 5 34.0	2.140	3.050	9.5	19.3
4 21	11 28.24	+ 6 20.8	2.226	3.057	12.4	19.5

14540 1997 RJ_{10} 3 17.0 111°.83 0°.1/16.9 18 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 8.83	− 0 54.6	2.162	2.978	12.5	18.0
2 21	12 4.58	− 0 20.4	2.082	2.982	9.4	17.8
3 2	11 58.54	+ 0 25.7	2.027	2.986	5.9	17.6
3 12	11 51.31	+ 1 19.6	2.000	2.990	2.0	17.3
3 22	11 43.67	+ 2 15.8	2.001	2.994	2.1	17.3
4 1	11 36.43	+ 3 8.7	2.032	2.997	5.9	17.6
4 11	11 30.39	+ 3 52.9	2.089	3.001	9.5	17.8
4 21	11 26.06	+ 4 25.1	2.170	3.005	12.6	18.0

248196 2005 CL_{75} 3 17.0 234°.41 1°.4/18.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 11.86	− 3 45.4	2.160	2.961	13.1	21.3
2 21	12 6.93	− 3 46.5	2.070	2.957	10.1	21.1
3 2	12 0.07	− 3 35.3	2.004	2.954	6.6	20.9
3 12	11 51.86	− 3 13.9	1.964	2.950	2.9	20.6
3 22	11 43.12	− 2 45.9	1.954	2.947	2.0	20.5
4 1	11 34.74	− 2 15.9	1.973	2.943	5.7	20.8
4 11	11 27.58	− 1 48.8	2.019	2.939	9.3	21.0
4 21	11 22.24	− 1 28.4	2.089	2.935	12.6	21.2

229255 Andrewelliott 3 17.0 106°.16 1°.8/15.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 9.86	+ 3 53.0	2.029	2.860	12.7	21.0
2 21	12 5.44	+ 4 37.7	1.955	2.865	9.4	20.8
3 2	11 59.11	+ 5 31.4	1.906	2.869	5.7	20.5
3 12	11 51.52	+ 6 28.5	1.884	2.874	2.2	20.3
3 22	11 43.49	+ 7 22.8	1.891	2.878	3.4	20.4
4 1	11 35.94	+ 8 8.4	1.926	2.883	7.1	20.6
4 11	11 29.68	+ 8 40.9	1.988	2.887	10.6	20.9
4 21	11 25.27	+ 8 58.0	2.072	2.891	13.7	21.1

337871 2001 WA_{42} 3 17.0 99°.00 2°.5/13.9 15

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 9.92	+ 7 48.8	2.442	3.273	10.8	21.6
2 21	12 5.09	+ 8 34.0	2.379	3.289	8.0	21.4
3 2	11 58.70	+ 9 23.4	2.343	3.305	4.9	21.3
3 12	11 51.34	+10 11.9	2.335	3.320	2.6	21.1
3 22	11 43.70	+10 54.4	2.356	3.335	3.8	21.2
4 1	11 36.52	+11 26.8	2.407	3.351	6.6	21.4
4 11	11 30.46	+11 46.2	2.484	3.365	9.5	21.6
4 21	11 25.98	+11 51.9	2.585	3.380	11.9	21.8

384239 2009 DM_{71} 3 17.0 1°.35 1°.9/14.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 6.75	+ 3 32.2	1.940	2.778	12.9	20.6
2 21	12 3.23	+ 4 25.4	1.864	2.778	9.5	20.4
3 2	11 57.80	+ 5 28.9	1.812	2.777	5.8	20.2
3 12	11 51.09	+ 6 36.8	1.788	2.777	2.3	19.9
3 22	11 43.91	+ 7 42.0	1.791	2.778	3.5	20.0
4 1	11 37.17	+ 8 37.9	1.822	2.779	7.4	20.3
4 11	11 31.70	+ 9 19.4	1.879	2.780	11.0	20.5
4 21	11 28.06	+ 9 43.7	1.957	2.782	14.1	20.7

8187 Akiramisawa 3 17.0 167°.72 4°.8/10.9 18 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 10.32	+15 47.0	2.501	3.339	10.3	18.2
2 21	12 5.48	+16 51.3	2.434	3.341	7.9	18.0
3 2	11 59.00	+17 54.9	2.393	3.344	5.7	17.9
3 12	11 51.46	+18 51.5	2.381	3.346	4.8	17.8
3 22	11 43.57	+19 35.8	2.398	3.348	6.1	17.9
4 1	11 36.09	+20 3.8	2.443	3.350	8.4	18.0
4 11	11 29.73	+20 13.7	2.514	3.351	10.9	18.2
4 21	11 24.97	+20 5.7	2.605	3.352	13.1	18.4

329367 2001 UB_{138} 3 17.0 103°.54 0°.3/16.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 11.11	− 1 22.3	1.933	2.749	13.8	21.7
2 21	12 6.37	− 0 35.6	1.866	2.766	10.3	21.5
3 2	11 59.66	+ 0 24.8	1.824	2.783	6.4	21.3
3 12	11 51.69	+ 1 33.5	1.809	2.799	2.1	21.1
3 22	11 43.36	+ 2 43.8	1.823	2.815	2.3	21.1
4 1	11 35.60	+ 3 48.7	1.866	2.831	6.5	21.4
4 11	11 29.24	+ 4 42.5	1.935	2.846	10.2	21.7
4 21	11 24.81	+ 5 21.6	2.028	2.861	13.4	21.9

263107 2007 TO_{366} 3 17.0 254°.45 3°.5/19.9 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 12.20	− 9 35.9	1.733	2.523	16.3	21.1
2 21	12 7.83	− 9 34.4	1.634	2.509	13.0	20.8
3 2	12 0.97	− 9 11.6	1.555	2.495	9.2	20.6
3 12	11 52.27	− 8 28.4	1.502	2.479	5.2	20.3
3 22	11 42.68	− 7 28.8	1.475	2.464	3.6	20.1
4 1	11 33.40	− 6 19.5	1.476	2.448	6.9	20.3
4 11	11 25.59	− 5 9.5	1.502	2.432	11.2	20.5
4 21	11 20.07	− 4 6.5	1.552	2.415	15.3	20.7

153773 2001 VL_{38} 3 17.0 200°.02 1°.1/18.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 11.56	− 4 35.4	2.343	3.136	12.4	21.6
2 21	12 6.58	− 4 12.0	2.248	3.132	9.6	21.4
3 2	11 59.79	− 3 35.0	2.178	3.128	6.2	21.1
3 12	11 51.77	− 2 47.1	2.136	3.123	2.6	20.9
3 22	11 43.24	− 1 52.9	2.124	3.117	1.8	20.8
4 1	11 35.03	− 0 57.5	2.141	3.110	5.4	21.1
4 11	11 27.94	− 0 6.6	2.187	3.103	8.9	21.3
4 21	11 22.53	+ 0 35.6	2.258	3.096	12.1	21.4

356478 2011 QT_{72} 3 17.0 263°.82 3°.8/19.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 15.50	− 8 34.5	1.610	2.404	17.1	21.6
2 21	12 10.66	− 8 51.5	1.504	2.382	13.8	21.4
3 2	12 2.96	− 8 48.5	1.419	2.360	9.8	21.1
3 12	11 53.02	− 8 25.6	1.359	2.337	5.6	20.8
3 22	11 41.88	− 7 45.3	1.324	2.313	4.0	20.6
4 1	11 30.93	− 6 53.9	1.317	2.289	7.7	20.7
4 11	11 21.56	− 5 59.6	1.336	2.264	12.4	20.9
4 21	11 14.77	− 5 10.8	1.376	2.239	16.9	21.1

93635 2000 UR_{80} 3 17.0 118°.30 2°.4/19.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 10.15	− 7 54.5	1.986	2.778	14.4	20.0
2 21	12 5.75	− 7 40.6	1.904	2.783	11.3	19.8
3 2	11 59.36	− 7 8.9	1.845	2.789	7.7	19.6
3 12	11 51.63	− 6 22.1	1.813	2.794	4.0	19.4
3 22	11 43.40	− 5 24.8	1.808	2.799	2.6	19.3
4 1	11 35.63	− 4 23.1	1.832	2.804	5.8	19.5
4 11	11 29.17	− 3 24.0	1.882	2.809	9.5	19.7
4 21	11 24.63	− 2 33.1	1.957	2.813	12.9	20.0

392662 2011 UK_{256} 3 17.0 178°.36 2°.7/20.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 6.40	−11 47.8	2.940	3.697	11.0	21.6
2 21	12 2.40	−11 32.5	2.844	3.698	8.8	21.4
3 2	11 57.06	−11 2.7	2.773	3.698	6.4	21.2
3 12	11 50.82	−10 19.9	2.729	3.699	3.9	21.1
3 22	11 44.23	− 9 27.0	2.714	3.699	2.8	21.0
4 1	11 37.91	− 8 27.9	2.729	3.699	4.4	21.1
4 11	11 32.43	− 7 27.6	2.773	3.698	6.9	21.3
4 21	11 28.22	− 6 30.5	2.844	3.698	9.4	21.4

327296 2005 TX_{120} 3 17.0 337°.41 0°.3/16.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 9.59	− 0 34.6	1.639	2.470	15.2	21.2
2 21	12 5.75	− 0 1.7	1.560	2.467	11.5	20.9
3 2	11 59.56	+ 0 46.5	1.502	2.464	7.1	20.7
3 12	11 51.75	+ 1 45.0	1.471	2.461	2.4	20.4
3 22	11 43.30	+ 2 46.6	1.466	2.459	2.6	20.4
4 1	11 35.34	+ 3 43.5	1.488	2.456	7.5	20.7
4 11	11 28.93	+ 4 28.9	1.536	2.454	11.9	20.9
4 21	11 24.75	+ 4 58.4	1.605	2.452	15.6	21.1

29655 Yarimlee 3 17.0 203°.50 1°.4/15.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 13.81	+ 1 56.8	1.462	2.300	16.4	18.7
2 21	12 9.17	+ 2 31.1	1.387	2.299	12.3	18.5
3 2	12 1.80	+ 3 19.4	1.334	2.298	7.6	18.2
3 12	11 52.53	+ 4 15.5	1.306	2.297	2.6	17.9
3 22	11 42.53	+ 5 11.4	1.305	2.296	3.5	17.9
4 1	11 33.16	+ 5 58.6	1.331	2.295	8.6	18.2
4 11	11 25.63	+ 6 30.7	1.380	2.293	13.3	18.5
4 21	11 20.70	+ 6 44.4	1.450	2.292	17.3	18.7

400301 2007 TU_{134} 3 17.0 159°.73 0°.9/17.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 13.45	− 4 17.7	1.944	2.746	14.3	22.1
2 21	12 8.24	− 3 47.6	1.863	2.753	11.0	21.9
3 2	12 0.92	− 3 1.3	1.807	2.759	7.1	21.7
3 12	11 52.17	− 2 3.0	1.777	2.764	2.8	21.5
3 22	11 42.91	− 0 58.3	1.776	2.769	2.1	21.4
4 1	11 34.15	+ 0 6.0	1.805	2.774	6.3	21.7
4 11	11 26.81	+ 1 3.0	1.860	2.777	10.2	21.9
4 21	11 21.50	+ 1 48.1	1.939	2.780	13.6	22.1

29541 1998 BZ_{24} 3 17.0 27°.45 0°.8/16.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 7.60	+ 0 46.2	1.839	2.672	13.7	18.3
2 21	12 3.90	+ 1 24.7	1.770	2.679	10.3	18.1
3 2	11 58.22	+ 2 15.3	1.725	2.687	6.3	17.9
3 12	11 51.25	+ 3 12.7	1.705	2.696	2.0	17.7
3 22	11 43.84	+ 4 10.5	1.714	2.705	2.7	17.7
4 1	11 36.96	+ 5 2.0	1.750	2.715	6.8	18.0
4 11	11 31.44	+ 5 41.7	1.812	2.725	10.7	18.2
4 21	11 27.84	+ 6 6.6	1.896	2.736	13.9	18.5

139942 2001 RN_{136} 3 17.0 163°.64 1°.9/14.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 9.04	+ 6 14.2	2.882	3.705	9.6	21.3
2 21	12 4.30	+ 6 59.2	2.805	3.710	7.1	21.1
3 2	11 58.19	+ 7 49.3	2.754	3.715	4.3	20.9
3 12	11 51.19	+ 8 40.0	2.732	3.720	2.0	20.8
3 22	11 43.89	+ 9 27.1	2.742	3.724	3.0	20.9
4 1	11 36.92	+10 6.5	2.781	3.727	5.7	21.0
4 11	11 30.85	+10 35.4	2.848	3.730	8.4	21.2
4 21	11 26.12	+10 52.2	2.940	3.733	10.7	21.4

33589 Edwardkim 3 17.0 270°.54 1°.1/15.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 8.37	+ 2 28.8	2.421	3.242	11.2	19.7
2 21	12 4.22	+ 3 8.9	2.320	3.224	8.4	19.4
3 2	11 58.37	+ 3 58.4	2.244	3.206	5.1	19.2
3 12	11 51.32	+ 4 53.3	2.197	3.187	1.8	18.9
3 22	11 43.73	+ 5 48.2	2.179	3.168	2.6	19.0
4 1	11 36.39	+ 6 38.0	2.190	3.148	6.2	19.2
4 11	11 30.04	+ 7 17.8	2.229	3.129	9.6	19.3
4 21	11 25.24	+ 7 44.9	2.291	3.109	12.5	19.5

460327 2014 QO_{419} 3 17.0 151°.39 0°.6/17.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 12.96	− 3 23.0	2.060	2.863	13.6	22.4
2 21	12 7.73	− 2 48.3	1.982	2.872	10.3	22.2
3 2	12 0.53	− 1 59.1	1.928	2.881	6.6	22.0
3 12	11 52.03	− 0 59.4	1.901	2.890	2.5	21.8
3 22	11 43.08	+ 0 5.1	1.904	2.897	2.0	21.7
4 1	11 34.61	+ 1 7.7	1.936	2.904	6.0	22.0
4 11	11 27.49	+ 2 2.6	1.996	2.910	9.8	22.3
4 21	11 22.28	+ 2 45.4	2.080	2.915	13.0	22.5

106919 2000 YC_{53} 3 17.0 56°.96 3°.2/14.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 12.24	+ 5 55.6	1.430	2.279	16.0	19.7
2 21	12 7.88	+ 6 50.4	1.368	2.287	11.9	19.5
3 2	12 0.90	+ 7 55.3	1.329	2.295	7.3	19.3
3 12	11 52.19	+ 9 1.7	1.316	2.304	3.5	19.0
3 22	11 42.94	+10 0.4	1.328	2.312	5.2	19.2
4 1	11 34.43	+10 43.4	1.367	2.321	9.6	19.4
4 11	11 27.81	+11 5.9	1.429	2.330	13.8	19.7
4 21	11 23.72	+11 7.0	1.511	2.339	17.4	20.0

167034 2003 QA_{43} 3 17.0 125°.73 0°.7/16.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 15.85	+ 1 37.6	1.722	2.546	14.9	20.5
2 21	12 10.20	+ 1 57.7	1.652	2.556	11.2	20.3
3 2	12 2.18	+ 2 29.0	1.605	2.566	6.9	20.1
3 12	11 52.61	+ 3 6.6	1.585	2.575	2.3	19.8
3 22	11 42.52	+ 3 44.4	1.593	2.584	2.8	19.9
4 1	11 33.09	+ 4 16.3	1.629	2.593	7.3	20.2
4 11	11 25.34	+ 4 37.5	1.691	2.601	11.5	20.4
4 21	11 19.89	+ 4 45.3	1.776	2.609	15.0	20.7

109518 2001 QC_{239} 3 17.0 191°.94 0°.8/17.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 11.30	− 3 56.6	2.202	3.002	12.9	21.0
2 21	12 6.48	− 3 27.0	2.113	3.001	9.9	20.8
3 2	11 59.78	− 2 43.1	2.047	2.999	6.4	20.5
3 12	11 51.79	− 1 48.4	2.009	2.997	2.5	20.3
3 22	11 43.30	− 0 47.8	2.000	2.993	1.9	20.2
4 1	11 35.18	+ 0 12.7	2.021	2.990	5.7	20.5
4 11	11 28.24	+ 1 7.2	2.070	2.985	9.4	20.7
4 21	11 23.08	+ 1 51.2	2.143	2.981	12.6	20.9

106893 2000 YS_{41} 3 17.0 119°.14 4°.0/20.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 13.62	−10 56.2	1.711	2.493	16.7	20.0
2 21	12 8.67	−11 2.6	1.634	2.503	13.4	19.8
3 2	12 1.33	−10 47.3	1.578	2.512	9.6	19.6
3 12	11 52.35	−10 11.5	1.548	2.521	5.7	19.4
3 22	11 42.78	− 9 19.4	1.544	2.530	4.1	19.3
4 1	11 33.79	− 8 17.7	1.567	2.539	6.8	19.5
4 11	11 26.43	− 7 14.8	1.617	2.547	10.6	19.7
4 21	11 21.37	− 6 18.0	1.690	2.555	14.2	20.0

287314 2002 TW_{253} 3 17.0 66°.63 1°.7/18.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 13.31	− 5 2.2	1.549	2.363	16.8	20.7
2 21	12 8.43	− 4 52.7	1.488	2.382	12.9	20.5
3 2	12 1.12	− 4 24.9	1.449	2.402	8.4	20.3
3 12	11 52.25	− 3 42.4	1.435	2.421	3.7	20.1
3 22	11 42.93	− 2 51.5	1.448	2.441	2.5	20.0
4 1	11 34.38	− 1 59.5	1.488	2.461	6.9	20.3
4 11	11 27.61	− 1 13.9	1.553	2.480	11.1	20.6
4 21	11 23.23	− 0 39.6	1.641	2.500	14.8	20.9

382719 2002 XU_{64} 3 17.0 334°.24 18°.6/29.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 15.27	−31 58.4	1.185	1.883	27.0	20.0
2 21	12 11.91	−34 32.6	1.112	1.878	25.0	19.8
3 2	12 4.52	−36 31.1	1.052	1.875	22.7	19.6
3 12	11 53.77	−37 41.3	1.007	1.871	20.6	19.4
3 22	11 41.16	−37 54.3	0.978	1.868	19.0	19.3
4 1	11 28.91	−37 8.5	0.966	1.866	18.7	19.2
4 11	11 19.25	−35 33.7	0.972	1.863	19.6	19.3
4 21	11 13.64	−33 27.0	0.995	1.862	21.5	19.4

400353 2007 VX_{104} 3 17.0 145°.60 2°.2/19.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 13.19	− 7 52.2	1.963	2.750	14.7	22.1
2 21	12 8.03	− 7 31.6	1.883	2.761	11.5	21.9
3 2	12 0.78	− 6 52.8	1.827	2.770	7.8	21.7
3 12	11 52.14	− 5 58.5	1.797	2.779	3.9	21.5
3 22	11 43.02	− 4 54.0	1.796	2.788	2.5	21.4
4 1	11 34.40	− 3 46.0	1.824	2.796	6.0	21.6
4 11	11 27.20	− 2 41.7	1.880	2.803	9.8	21.8
4 21	11 22.02	− 1 46.6	1.959	2.809	13.1	22.1

260703 2005 JP_{126} 3 17.0 210°.56 1°.2/15.8 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 14.36	+ 3 11.0	2.427	3.239	11.5	21.1
2 21	12 8.64	+ 3 41.6	2.331	3.230	8.6	20.9
3 2	12 1.08	+ 4 20.2	2.261	3.221	5.3	20.6
3 12	11 52.25	+ 5 2.8	2.221	3.211	1.9	20.4
3 22	11 42.89	+ 5 44.5	2.211	3.200	2.6	20.4
4 1	11 33.84	+ 6 20.7	2.231	3.188	6.2	20.6
4 11	11 25.91	+ 6 47.2	2.280	3.175	9.6	20.8
4 21	11 19.67	+ 7 1.8	2.352	3.161	12.6	21.0

468538 2006 HL_{93} 3 17.0 280°.37 3°.6/12.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 9.47	+ 8 45.5	2.190	3.028	11.6	21.6
2 21	12 5.32	+ 9 53.8	2.088	3.001	8.7	21.4
3 2	11 59.21	+11 9.9	2.011	2.973	5.6	21.1
3 12	11 51.66	+12 27.2	1.962	2.944	3.6	21.0
3 22	11 43.43	+13 38.3	1.942	2.915	5.2	21.0
4 1	11 35.40	+14 36.5	1.951	2.886	8.5	21.1
4 11	11 28.47	+15 17.0	1.985	2.856	11.9	21.3
4 21	11 23.30	+15 37.6	2.040	2.826	15.0	21.4

499009 2009 CX_{41} 3 17.0 314°.86 2°.2/15.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 10.16	+ 3 18.0	1.311	2.163	17.0	21.2
2 21	12 6.87	+ 3 56.0	1.227	2.147	12.8	20.9
3 2	12 0.65	+ 4 49.2	1.164	2.131	7.9	20.5
3 12	11 52.25	+ 5 50.5	1.125	2.115	2.9	20.2
3 22	11 42.84	+ 6 50.7	1.111	2.100	4.4	20.2
4 1	11 33.91	+ 7 40.0	1.122	2.086	9.9	20.5
4 11	11 26.85	+ 8 10.7	1.155	2.072	15.0	20.7
4 21	11 22.58	+ 8 19.1	1.207	2.059	19.5	21.0

15857 Touji 3 17.0 328°.00 1°.2/17.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 8.52	− 4 6.4	1.236	2.076	18.6	17.2
2 21	12 5.73	− 3 46.7	1.156	2.065	14.4	16.9
3 2	11 59.97	− 3 3.5	1.095	2.055	9.4	16.6
3 12	11 52.01	− 2 0.8	1.056	2.045	3.8	16.2
3 22	11 43.08	− 0 46.7	1.042	2.036	2.8	16.1
4 1	11 34.68	+ 0 28.0	1.053	2.028	8.6	16.4
4 11	11 28.22	+ 1 32.5	1.086	2.021	14.0	16.7
4 21	11 24.61	+ 2 19.1	1.139	2.014	18.8	17.0

465654 2009 RR_{49} 3 17.0 182°.82 2°.4/14.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 15.63	+ 7 37.1	2.204	3.028	12.1	21.9
2 21	12 9.65	+ 8 1.8	2.123	3.028	9.0	21.7
3 2	12 1.70	+ 8 31.0	2.068	3.029	5.6	21.5
3 12	11 52.45	+ 8 59.8	2.041	3.028	2.7	21.3
3 22	11 42.73	+ 9 23.4	2.044	3.027	3.8	21.4
4 1	11 33.47	+ 9 37.4	2.077	3.026	7.2	21.6
4 11	11 25.54	+ 9 39.0	2.137	3.024	10.5	21.8
4 21	11 19.49	+ 9 27.5	2.220	3.022	13.4	22.0

206142 2002 TA_{66} 3 17.0 114°.19 0°.4/16.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 10.29	+ 0 18.4	2.494	3.304	11.3	21.7
2 21	12 5.37	+ 0 49.7	2.423	3.320	8.4	21.5
3 2	11 58.90	+ 1 30.1	2.378	3.336	5.2	21.3
3 12	11 51.46	+ 2 15.6	2.362	3.352	1.7	21.1
3 22	11 43.72	+ 3 1.9	2.376	3.367	1.9	21.1
4 1	11 36.42	+ 3 44.3	2.419	3.382	5.3	21.4
4 11	11 30.20	+ 4 18.9	2.491	3.397	8.4	21.6
4 21	11 25.52	+ 4 43.2	2.587	3.411	11.1	21.8

15490 1999 CJ_{81} 3 17.0 89°.15 1°.7/18.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 13.25	− 6 54.3	1.907	2.700	14.9	18.7
2 21	12 7.91	− 6 23.6	1.848	2.729	11.4	18.5
3 2	12 0.58	− 5 35.3	1.811	2.758	7.5	18.3
3 12	11 52.04	− 4 33.6	1.802	2.786	3.5	18.1
3 22	11 43.20	− 3 24.5	1.821	2.814	2.2	18.1
4 1	11 35.04	− 2 15.0	1.870	2.841	5.9	18.4
4 11	11 28.39	− 1 12.0	1.946	2.868	9.6	18.7
4 21	11 23.74	− 0 20.2	2.046	2.893	12.7	18.9

472277 2014 UO_{140} 3 17.0 50°.91 1°.7/18.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 12.09	− 4 32.0	1.510	2.329	16.9	21.0
2 21	12 7.64	− 4 25.5	1.446	2.343	13.0	20.8
3 2	12 0.70	− 4 0.8	1.404	2.358	8.5	20.6
3 12	11 52.14	− 3 21.6	1.386	2.373	3.7	20.3
3 22	11 43.08	− 2 33.9	1.395	2.388	2.5	20.3
4 1	11 34.73	− 1 45.2	1.431	2.404	7.0	20.6
4 11	11 28.17	− 1 2.7	1.491	2.420	11.4	20.9
4 21	11 24.01	− 0 31.6	1.574	2.436	15.1	21.2

182460 2001 SC_{81} 3 17.0 122°.06 1°.4/18.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 11.12	− 5 35.2	1.892	2.694	14.6	20.7
2 21	12 6.54	− 5 9.0	1.815	2.703	11.3	20.5
3 2	11 59.89	− 4 25.6	1.761	2.712	7.4	20.2
3 12	11 51.86	− 3 28.7	1.734	2.720	3.2	20.0
3 22	11 43.34	− 2 24.0	1.735	2.728	2.1	19.9
4 1	11 35.34	− 1 18.4	1.764	2.736	6.1	20.2
4 11	11 28.74	− 0 19.0	1.821	2.743	10.0	20.4
4 21	11 24.15	+ 0 29.2	1.900	2.750	13.5	20.7

112378 2002 NV_{25} 3 17.0 244°.81 0°.6/17.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 12.27	− 3 11.0	2.023	2.828	13.7	21.0
2 21	12 7.53	− 2 41.3	1.919	2.811	10.5	20.7
3 2	12 0.64	− 1 56.0	1.839	2.793	6.8	20.5
3 12	11 52.17	− 0 58.6	1.786	2.775	2.6	20.2
3 22	11 42.96	+ 0 5.7	1.762	2.756	2.1	20.1
4 1	11 34.01	+ 1 9.9	1.768	2.736	6.5	20.3
4 11	11 26.30	+ 2 7.4	1.800	2.715	10.6	20.5
4 21	11 20.55	+ 2 52.9	1.856	2.694	14.2	20.7

20617 1999 SA_{7} 3 17.0 95°.66 1°.3/18.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 14.48	− 2 47.9	2.450	3.242	12.0	17.6
2 21	12 8.61	− 3 7.7	2.365	3.248	9.2	17.4
3 2	12 0.99	− 3 18.1	2.306	3.254	6.0	17.2
3 12	11 52.21	− 3 20.9	2.274	3.260	2.7	17.0
3 22	11 42.99	− 3 18.2	2.273	3.265	1.9	17.0
4 1	11 34.18	− 3 13.2	2.302	3.271	5.1	17.2
4 11	11 26.51	− 3 9.3	2.360	3.276	8.4	17.4
4 21	11 20.52	− 3 9.3	2.443	3.282	11.2	17.6

497651 2006 RW_{55} 3 17.0 218°.30 2°.5/14.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 11.26	+ 8 34.0	2.471	3.300	10.8	21.5
2 21	12 6.23	+ 9 4.3	2.388	3.296	8.0	21.3
3 2	11 59.53	+ 9 38.2	2.331	3.292	5.0	21.1
3 12	11 51.71	+10 11.2	2.303	3.288	2.7	21.0
3 22	11 43.49	+10 38.7	2.304	3.284	3.8	21.0
4 1	11 35.63	+10 56.8	2.335	3.280	6.7	21.2
4 11	11 28.87	+11 2.9	2.393	3.275	9.7	21.4
4 21	11 23.70	+10 56.0	2.473	3.271	12.3	21.6

507750 2013 YT_{17} 3 17.0 119°.48 8°.8/27.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 13.07	−29 4.0	2.552	3.190	15.2	21.7
2 21	12 7.86	−30 2.0	2.465	3.200	13.5	21.6
3 2	12 0.69	−30 37.5	2.397	3.209	11.8	21.4
3 12	11 52.15	−30 47.6	2.350	3.218	10.1	21.3
3 22	11 43.03	−30 32.0	2.328	3.227	9.0	21.3
4 1	11 34.24	−29 52.6	2.332	3.236	8.9	21.3
4 11	11 26.65	−28 55.0	2.361	3.244	9.8	21.4
4 21	11 20.88	−27 46.2	2.414	3.253	11.3	21.5

298726 2004 FH_{107} 3 17.0 345°.28 1°.7/18.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 5.09	− 6 6.7	1.708	2.526	15.3	20.1
2 21	12 2.37	− 5 44.3	1.620	2.516	11.9	19.9
3 2	11 57.49	− 5 2.1	1.555	2.508	7.9	19.6
3 12	11 51.10	− 4 3.4	1.514	2.500	3.6	19.3
3 22	11 44.08	− 2 54.2	1.499	2.493	2.3	19.2
4 1	11 37.45	− 1 42.1	1.512	2.487	6.5	19.5
4 11	11 32.19	− 0 35.5	1.550	2.481	10.8	19.7
4 21	11 28.98	+ 0 19.3	1.610	2.477	14.6	19.9

456747 2007 TF_{46} 3 17.0 137°.80 0°.1/17.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 15.21	− 0 57.1	2.036	2.843	13.5	22.0
2 21	12 9.39	− 0 28.3	1.963	2.858	10.2	21.8
3 2	12 1.55	+ 0 12.7	1.916	2.872	6.3	21.6
3 12	11 52.41	+ 1 1.5	1.896	2.885	2.2	21.3
3 22	11 42.86	+ 1 52.5	1.905	2.898	2.1	21.4
4 1	11 33.87	+ 2 39.9	1.945	2.910	6.3	21.6
4 11	11 26.31	+ 3 18.5	2.012	2.921	10.0	21.9
4 21	11 20.73	+ 3 45.2	2.102	2.931	13.2	22.1

466474 2013 TU_{139} 3 17.0 244°.22 1°.0/16.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 11.79	+ 1 38.7	2.088	2.908	12.8	22.2
2 21	12 7.05	+ 2 13.8	1.992	2.895	9.6	21.9
3 2	12 0.26	+ 3 0.0	1.919	2.880	5.9	21.7
3 12	11 52.03	+ 3 52.9	1.875	2.865	2.0	21.4
3 22	11 43.16	+ 4 46.6	1.860	2.850	2.7	21.4
4 1	11 34.59	+ 5 35.2	1.873	2.834	6.8	21.6
4 11	11 27.25	+ 6 13.2	1.914	2.818	10.7	21.8
4 21	11 21.78	+ 6 37.4	1.977	2.802	14.0	22.0

2257 Kaarina 3 17.0 171°.53 2°.0/19.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 12.10	− 7 47.6	2.288	3.068	13.1	18.3
2 21	12 7.00	− 7 24.5	2.199	3.073	10.2	18.1
3 2	12 0.08	− 6 45.1	2.135	3.076	6.9	17.9
3 12	11 51.93	− 5 52.3	2.097	3.079	3.5	17.7
3 22	11 43.31	− 4 50.2	2.090	3.081	2.3	17.6
4 1	11 35.07	− 3 44.7	2.112	3.083	5.4	17.8
4 11	11 28.02	− 2 42.0	2.163	3.083	8.8	18.0
4 21	11 22.70	− 1 47.2	2.239	3.083	11.9	18.2

22941 1999 TG_{194} 3 17.0 248°.95 1°.5/18.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 15.09	− 4 2.8	1.957	2.756	14.3	19.6
2 21	12 9.78	− 4 0.4	1.852	2.738	11.2	19.3
3 2	12 2.12	− 3 43.5	1.769	2.719	7.4	19.0
3 12	11 52.71	− 3 14.3	1.713	2.700	3.2	18.7
3 22	11 42.46	− 2 36.7	1.686	2.679	2.3	18.6
4 1	11 32.44	− 1 56.1	1.689	2.658	6.5	18.9
4 11	11 23.74	− 1 18.8	1.718	2.637	10.8	19.1
4 21	11 17.15	− 0 49.8	1.770	2.614	14.6	19.2

118386 1999 JF_{14} 3 17.0 26°.89 22°.6/ 1.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 35.51	+46 41.9	1.050	1.850	23.9	18.8
2 21	12 27.35	+48 36.9	1.028	1.852	22.9	18.7
3 2	12 13.62	+49 48.8	1.022	1.854	22.6	18.7
3 12	11 56.51	+49 59.1	1.030	1.856	23.1	18.7
3 22	11 39.16	+49 0.2	1.054	1.859	24.2	18.8
4 1	11 24.64	+46 56.5	1.092	1.861	25.8	18.9
4 11	11 14.75	+44 1.9	1.143	1.865	27.5	19.1
4 21	11 9.84	+40 33.1	1.206	1.868	29.2	19.2

175389 2006 MQ_{3} 3 17.0 206°.30 0°.6/16.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 12.48	+ 0 7.1	2.090	2.905	13.0	21.1
2 21	12 7.50	+ 0 48.4	2.000	2.899	9.8	20.9
3 2	12 0.50	+ 1 42.3	1.934	2.893	6.0	20.6
3 12	11 52.10	+ 2 44.0	1.896	2.887	2.0	20.3
3 22	11 43.13	+ 3 47.6	1.888	2.879	2.5	20.3
4 1	11 34.52	+ 4 46.6	1.909	2.871	6.6	20.6
4 11	11 27.18	+ 5 35.2	1.957	2.862	10.4	20.8
4 21	11 21.72	+ 6 9.8	2.028	2.853	13.7	21.0

129940 1999 TS_{166} 3 17.0 222°.09 3°.3/20.1 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 12.65	− 9 58.9	1.938	2.717	15.1	20.6
2 21	12 7.88	− 9 55.9	1.841	2.710	12.1	20.4
3 2	12 0.88	− 9 33.4	1.766	2.701	8.6	20.2
3 12	11 52.27	− 8 52.6	1.716	2.693	4.9	19.9
3 22	11 42.94	− 7 57.1	1.695	2.683	3.4	19.8
4 1	11 33.95	− 6 53.0	1.702	2.673	6.3	20.0
4 11	11 26.32	− 5 48.0	1.736	2.663	10.2	20.2
4 21	11 20.75	− 4 49.0	1.794	2.652	13.8	20.4

1470 Carla 3 17.0 198°.13 0°.1/16.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 8.96	− 0 23.5	2.564	3.373	11.0	16.5
2 21	12 4.48	− 0 0.8	2.476	3.372	8.3	16.3
3 2	11 58.44	+ 0 31.4	2.413	3.370	5.2	16.1
3 12	11 51.36	+ 1 9.7	2.379	3.369	1.8	15.8
3 22	11 43.88	+ 1 50.2	2.374	3.367	1.8	15.8
4 1	11 36.72	+ 2 28.5	2.399	3.365	5.2	16.1
4 11	11 30.55	+ 3 0.6	2.452	3.362	8.4	16.3
4 21	11 25.85	+ 3 23.6	2.530	3.360	11.1	16.4

384113 2008 WF_{127} 3 17.0 74°.04 0°.9/17.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 10.71	− 2 59.4	2.083	2.891	13.3	21.3
2 21	12 6.03	− 2 47.2	2.010	2.902	10.1	21.1
3 2	11 59.48	− 2 22.2	1.960	2.914	6.5	20.9
3 12	11 51.72	− 1 47.8	1.938	2.926	2.6	20.6
3 22	11 43.56	− 1 8.4	1.944	2.937	1.9	20.6
4 1	11 35.89	− 0 29.2	1.979	2.949	5.7	20.9
4 11	11 29.49	+ 0 4.6	2.041	2.960	9.3	21.1
4 21	11 24.92	+ 0 29.5	2.126	2.972	12.4	21.3

233641 2008 HN_{12} 3 17.0 201°.42 4°.8/11.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 13.91	+14 49.1	2.340	3.173	11.1	20.8
2 21	12 8.34	+15 46.0	2.263	3.169	8.5	20.7
3 2	12 0.90	+16 43.2	2.212	3.165	5.9	20.5
3 12	11 52.21	+17 34.0	2.190	3.159	4.8	20.4
3 22	11 43.06	+18 12.7	2.197	3.153	6.1	20.5
4 1	11 34.34	+18 34.9	2.232	3.147	8.7	20.6
4 11	11 26.85	+18 38.6	2.293	3.139	11.5	20.8
4 21	11 21.15	+18 24.1	2.376	3.132	13.9	21.0

62902 2000 UH_{106} 3 17.0 174°.43 3°.3/13.4 18

2 11	12 10.74	+ 8 12.7	2.040	2.878	12.3	19.9
2 21	12 6.16	+ 9 14.4	1.966	2.879	9.2	19.7
3 2	11 59.62	+10 22.2	1.918	2.880	5.8	19.5
3 12	11 51.78	+11 29.3	1.897	2.881	3.4	19.3
3 22	11 43.48	+12 28.8	1.905	2.881	4.9	19.4
4 1	11 35.64	+13 14.7	1.941	2.882	8.2	19.6
4 11	11 29.11	+13 43.1	2.003	2.882	11.5	19.8
4 21	11 24.46	+13 53.1	2.086	2.881	14.4	20.0

377848 2006 BX_{197} 3 17.0 255°.52 1°.6/18.6 17

2 11	12 9.94	− 5 24.4	1.981	2.784	14.0	21.1
2 21	12 5.69	− 5 9.5	1.894	2.782	10.9	20.9
3 2	11 59.41	− 4 38.7	1.829	2.779	7.2	20.7
3 12	11 51.74	− 3 54.8	1.791	2.776	3.3	20.4
3 22	11 43.50	− 3 2.4	1.780	2.773	2.2	20.3
4 1	11 35.66	− 2 7.7	1.799	2.770	6.0	20.6
4 11	11 29.11	− 1 17.1	1.843	2.768	9.8	20.8
4 21	11 24.46	− 0 35.7	1.912	2.765	13.3	21.0

1706 Dieckvoss 3 17.0 289°.48 1°.7/18.2 18

2 11	12 12.30	− 4 24.9	1.281	2.111	18.7	16.1
2 21	12 8.64	− 4 18.0	1.194	2.097	14.6	15.8
3 2	12 1.86	− 3 48.8	1.127	2.084	9.6	15.5
3 12	11 52.73	− 3 0.5	1.083	2.070	4.1	15.1
3 22	11 42.46	− 1 59.4	1.063	2.057	2.9	15.0
4 1	11 32.64	− 0 55.2	1.069	2.043	8.6	15.3
4 11	11 24.77	+ 0 1.7	1.098	2.030	14.1	15.5
4 21	11 19.86	+ 0 43.7	1.146	2.017	19.0	15.8

210881 2001 SN_{61} 3 17.0 143°.49 0°.0/17.0 17

2 11	12 8.80	− 1 1.2	2.728	3.532	10.6	21.0
2 21	12 4.21	− 0 29.2	2.648	3.541	7.9	20.8
3 2	11 58.20	+ 0 12.3	2.593	3.550	4.9	20.6
3 12	11 51.27	+ 0 59.8	2.568	3.558	1.7	20.4
3 22	11 44.02	+ 1 49.3	2.573	3.565	1.7	20.4
4 1	11 37.11	+ 2 36.3	2.608	3.573	4.9	20.7
4 11	11 31.15	+ 3 16.8	2.672	3.580	7.9	20.9
4 21	11 26.58	+ 3 48.1	2.760	3.586	10.4	21.0

312066 2007 TP_{12} 3 17.0 155°.83 1°.2/15.9 18

2 11	12 14.25	+ 2 2.9	1.978	2.797	13.4	21.0
2 21	12 8.79	+ 2 45.5	1.903	2.806	10.0	20.8
3 2	12 1.25	+ 3 38.8	1.852	2.813	6.1	20.6
3 12	11 52.34	+ 4 37.5	1.830	2.820	2.1	20.3
3 22	11 42.96	+ 5 35.0	1.837	2.826	3.0	20.4
4 1	11 34.12	+ 6 25.2	1.873	2.832	7.0	20.6
4 11	11 26.69	+ 7 2.9	1.936	2.837	10.7	20.9
4 21	11 21.27	+ 7 25.7	2.021	2.841	14.0	21.1

61000 2000 KD_{31} 3 17.0 237°.38 0°.8/17.8 18

2 11	12 11.07	− 3 25.7	2.021	2.828	13.6	19.8
2 21	12 6.56	− 3 0.6	1.926	2.818	10.5	19.5
3 2	11 59.99	− 2 20.5	1.854	2.808	6.7	19.3
3 12	11 51.96	− 1 28.8	1.809	2.798	2.6	19.0
3 22	11 43.29	− 0 30.6	1.793	2.787	2.0	18.9
4 1	11 34.96	+ 0 27.7	1.806	2.776	6.2	19.2
4 11	11 27.89	+ 1 19.6	1.846	2.764	10.2	19.4
4 21	11 22.72	+ 2 0.5	1.909	2.752	13.7	19.6

402453 2006 BA_{87} 3 17.0 7°.84 3°.7/19.4 18

2 11	12 15.07	− 6 28.7	1.318	2.135	19.0	20.8
2 21	12 10.49	− 7 3.1	1.243	2.135	15.0	20.6
3 2	12 2.85	− 7 17.8	1.187	2.135	10.4	20.3
3 12	11 53.01	− 7 13.3	1.155	2.136	5.6	20.0
3 22	11 42.26	− 6 53.1	1.147	2.138	4.0	19.9
4 1	11 32.17	− 6 23.5	1.165	2.139	8.1	20.1
4 11	11 24.12	− 5 52.9	1.207	2.141	12.9	20.4
4 21	11 19.00	− 5 28.3	1.269	2.144	17.2	20.7

236997 2008 RE_{24} 3 17.0 265°.55 4°.4/20.9 18

2 11	12 12.86	−11 55.2	2.109	2.874	14.6	20.2
2 21	12 8.00	−12 21.0	2.002	2.857	11.9	20.0
3 2	12 0.97	−12 29.6	1.916	2.840	8.8	19.8
3 12	11 52.33	−12 20.6	1.856	2.822	5.8	19.6
3 22	11 42.90	−11 55.5	1.824	2.805	4.5	19.4
4 1	11 33.67	−11 18.2	1.820	2.786	6.4	19.5
4 11	11 25.64	−10 34.7	1.843	2.768	9.8	19.7
4 21	11 19.55	− 9 51.3	1.890	2.750	13.1	19.8

468623 2008 GU_{111} 3 17.0 263°.16 13°.5/24.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 27.56	+46 35.9	2.291	3.039	14.0	21.5
2 21	12 19.51	+48 12.9	2.236	3.012	13.6	21.4
3 2	12 8.27	+49 27.9	2.203	2.985	13.6	21.4
3 12	11 54.80	+50 10.6	2.191	2.957	14.3	21.4
3 22	11 40.57	+50 14.8	2.199	2.929	15.4	21.4
4 1	11 27.21	+49 38.7	2.227	2.900	16.7	21.4
4 11	11 16.13	+48 25.8	2.270	2.870	18.1	21.5
4 21	11 8.14	+46 42.8	2.327	2.839	19.4	21.6

92547 2000 OC_{32} 3 17.0 198°.94 3°.9/20.6 18

2 11	12 13.27	−11 21.8	1.833	2.609	16.0	20.2
2 21	12 8.43	−11 20.2	1.742	2.607	12.9	19.9
3 2	12 1.26	−10 57.2	1.672	2.604	9.3	19.7
3 12	11 52.42	−10 13.5	1.627	2.600	5.6	19.5
3 22	11 42.86	− 9 13.1	1.610	2.596	3.9	19.4
4 1	11 33.72	− 8 2.6	1.620	2.591	6.6	19.5
4 11	11 26.05	− 6 50.4	1.658	2.586	10.5	19.7
4 21	11 20.57	− 5 44.1	1.719	2.580	14.1	19.9

28720 Krystalrose 3 17.0 312°.78 1°.2/15.9 18

2 11	12 8.44	+ 0 51.4	1.517	2.358	15.7	18.3
2 21	12 5.22	+ 1 35.5	1.429	2.343	11.8	18.0
3 2	11 59.45	+ 2 36.3	1.363	2.327	7.3	17.7
3 12	11 51.85	+ 3 47.7	1.322	2.313	2.4	17.4
3 22	11 43.40	+ 5 1.4	1.307	2.298	3.4	17.4
4 1	11 35.37	+ 6 7.9	1.319	2.284	8.5	17.7
4 11	11 28.92	+ 6 59.3	1.354	2.271	13.3	17.9
4 21	11 24.87	+ 7 30.8	1.410	2.258	17.4	18.1

424774 2008 TJ_{95} 3 17.0 99°.17 0°.7/17.7 17

2 11	12 11.87	− 2 12.8	1.980	2.791	13.7	21.7
2 21	12 7.04	− 2 1.0	1.902	2.797	10.5	21.5
3 2	12 0.19	− 1 36.4	1.848	2.804	6.7	21.3
3 12	11 52.00	− 1 2.4	1.821	2.810	2.5	21.0
3 22	11 43.34	− 0 23.7	1.823	2.816	2.0	21.0
4 1	11 35.16	+ 0 14.2	1.853	2.822	6.1	21.3
4 11	11 28.33	+ 0 46.1	1.909	2.828	9.9	21.5
4 21	11 23.45	+ 1 8.2	1.989	2.834	13.2	21.7

269803 1999 VJ_{82} 3 17.0 122°.86 3°.2/13.6 18

2 11	12 13.85	+10 11.8	2.335	3.164	11.3	21.1
2 21	12 8.11	+10 53.2	2.272	3.179	8.4	21.0
3 2	12 0.65	+11 36.9	2.235	3.195	5.3	20.8
3 12	11 52.11	+12 17.5	2.228	3.210	3.3	20.7
3 22	11 43.27	+12 50.0	2.250	3.224	4.5	20.8
4 1	11 34.98	+13 10.5	2.301	3.238	7.3	21.0
4 11	11 27.94	+13 16.8	2.379	3.251	10.2	21.2
4 21	11 22.65	+13 8.7	2.479	3.264	12.7	21.4

141058 2001 XE_{6} 3 17.0 43°.07 1°.2/15.8 18

2 11	12 8.43	+ 2 15.2	1.997	2.828	12.9	19.6
2 21	12 4.37	+ 2 52.9	1.932	2.841	9.6	19.4
3 2	11 58.47	+ 3 40.3	1.891	2.853	5.8	19.2
3 12	11 51.40	+ 4 32.4	1.876	2.867	2.0	19.0
3 22	11 43.96	+ 5 23.1	1.890	2.880	2.8	19.1
4 1	11 37.04	+ 6 6.8	1.933	2.894	6.6	19.3
4 11	11 31.41	+ 6 38.9	2.001	2.908	10.1	19.6
4 21	11 27.57	+ 6 57.2	2.092	2.923	13.1	19.8

344209 2001 QZ_{265} 3 17.0 179°.07 4°.6/23.6 18

2 11	12 9.46	−18 42.6	3.056	3.764	11.6	21.5
2 21	12 4.72	−18 49.6	2.957	3.765	9.8	21.4
3 2	11 58.56	−18 40.1	2.879	3.766	7.7	21.2
3 12	11 51.42	−18 14.1	2.828	3.767	5.7	21.1
3 22	11 43.90	−17 33.2	2.805	3.767	4.6	21.0
4 1	11 36.64	−16 40.7	2.812	3.766	5.2	21.1
4 11	11 30.23	−15 41.2	2.848	3.765	7.1	21.2
4 21	11 25.16	−14 39.7	2.910	3.763	9.2	21.3

252897 2002 JE_{105} 3 17.0 245°.82 2°.8/14.5 16

2 11	12 13.87	+ 6 14.8	1.854	2.688	13.6	21.3
2 21	12 8.89	+ 7 2.2	1.763	2.673	10.2	21.0
3 2	12 1.56	+ 7 58.6	1.695	2.658	6.3	20.8
3 12	11 52.54	+ 8 57.6	1.654	2.642	3.0	20.5
3 22	11 42.77	+ 9 51.9	1.642	2.625	4.5	20.6
4 1	11 33.37	+10 34.5	1.659	2.608	8.5	20.8
4 11	11 25.39	+11 0.4	1.700	2.591	12.5	21.0
4 21	11 19.58	+11 7.7	1.763	2.573	16.1	21.2

86457 2000 CC_{43} 3 17.1 144°.38 2°.1/18.9 18

2 11	12 14.78	− 7 11.2	1.691	2.488	16.3	20.0
2 21	12 9.55	− 6 50.3	1.615	2.498	12.7	19.8
3 2	12 1.90	− 6 9.2	1.561	2.508	8.5	19.5
3 12	11 52.62	− 5 11.0	1.533	2.516	4.1	19.3
3 22	11 42.76	− 4 1.9	1.532	2.525	2.6	19.2
4 1	11 33.50	− 2 50.0	1.560	2.532	6.7	19.5
4 11	11 25.91	− 1 43.4	1.614	2.539	11.0	19.7
4 21	11 20.65	− 0 48.5	1.692	2.545	14.7	20.0

498278 2007 VC_{46} 3 17.1 151°.69 2°.3/14.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 12.01	+ 7 39.1	2.476	3.302	10.8	21.9
2 21	12 6.75	+ 8 8.1	2.401	3.307	8.0	21.8
3 2	11 59.83	+ 8 41.1	2.351	3.312	5.0	21.6
3 12	11 51.86	+ 9 13.8	2.330	3.316	2.4	21.4
3 22	11 43.52	+ 9 41.5	2.338	3.320	3.5	21.5
4 1	11 35.60	+10 0.6	2.377	3.324	6.5	21.7
4 11	11 28.80	+10 8.4	2.442	3.328	9.4	21.9
4 21	11 23.61	+10 3.8	2.531	3.331	12.0	22.1

300236 2006 YM_{39} 3 17.1 193°.69 3°.7/11.6 18

2 11	12 8.74	+13 40.6	3.016	3.849	8.9	21.6
2 21	12 4.12	+14 39.5	2.939	3.846	6.7	21.5
3 2	11 58.15	+15 39.2	2.890	3.843	4.6	21.3
3 12	11 51.28	+16 34.8	2.870	3.840	3.7	21.3
3 22	11 44.08	+17 21.8	2.880	3.836	4.8	21.3
4 1	11 37.18	+17 56.4	2.919	3.832	6.9	21.5
4 11	11 31.15	+18 16.7	2.984	3.828	9.2	21.6
4 21	11 26.41	+18 22.1	3.073	3.823	11.2	21.7

185163 2006 SG_{216} 3 17.1 310°.25 1°.8/15.5 17

2 11	12 10.71	+ 2 48.7	1.548	2.389	15.4	21.0
2 21	12 6.78	+ 3 32.2	1.469	2.383	11.6	20.7
3 2	12 0.35	+ 4 29.2	1.412	2.377	7.1	20.5
3 12	11 52.14	+ 5 33.0	1.381	2.371	2.6	20.2
3 22	11 43.21	+ 6 35.4	1.376	2.365	3.8	20.2
4 1	11 34.81	+ 7 28.0	1.398	2.360	8.6	20.5
4 11	11 28.05	+ 8 4.4	1.445	2.355	13.1	20.7
4 21	11 23.68	+ 8 21.5	1.511	2.350	16.9	21.0

459610 2013 HU_{59} 3 17.1 228°.94 0°.4/16.7 16

2 11	12 15.53	+ 0 55.9	1.778	2.598	14.7	22.3
2 21	12 10.17	+ 1 10.3	1.689	2.591	11.1	22.1
3 2	12 2.37	+ 1 36.5	1.623	2.582	7.0	21.8
3 12	11 52.83	+ 2 10.3	1.583	2.573	2.3	21.5
3 22	11 42.53	+ 2 46.3	1.572	2.564	2.6	21.5
4 1	11 32.67	+ 3 18.3	1.589	2.555	7.3	21.8
4 11	11 24.34	+ 3 40.9	1.632	2.545	11.7	22.0
4 21	11 18.30	+ 3 50.8	1.698	2.534	15.4	22.2

296070 2009 AE_{50} 3 17.1 172°.76 1°.9/15.2 18

2 11	12 12.46	+ 2 16.3	1.785	2.614	14.2	20.9
2 21	12 7.72	+ 3 21.2	1.709	2.617	10.6	20.6
3 2	12 0.74	+ 4 39.4	1.657	2.620	6.4	20.4
3 12	11 52.23	+ 6 3.7	1.632	2.622	2.4	20.1
3 22	11 43.16	+ 7 25.8	1.635	2.623	3.7	20.2
4 1	11 34.61	+ 8 37.5	1.667	2.623	8.0	20.5
4 11	11 27.56	+ 9 32.5	1.725	2.623	12.0	20.7
4 21	11 22.66	+10 7.8	1.805	2.623	15.4	20.9

271799 2004 TE_{68} 3 17.1 157°.70 3°.8/12.7 17

2 11	12 12.02	+11 14.9	2.303	3.138	11.2	21.0
2 21	12 6.88	+12 12.7	2.234	3.144	8.4	20.8
3 2	11 59.98	+13 13.1	2.191	3.149	5.5	20.6
3 12	11 51.93	+14 9.9	2.176	3.154	3.8	20.5
3 22	11 43.50	+14 57.2	2.191	3.159	5.1	20.6
4 1	11 35.53	+15 30.4	2.234	3.163	7.9	20.8
4 11	11 28.78	+15 46.8	2.303	3.167	10.8	21.0
4 21	11 23.75	+15 46.2	2.395	3.170	13.3	21.2

115123 2003 SR_{47} 3 17.1 303°.97 7°.4/23.5 17

2 11	12 10.23	−18 33.0	1.849	2.592	17.1	18.9
2 21	12 6.39	−19 16.5	1.747	2.576	14.6	18.7
3 2	12 0.16	−19 36.9	1.664	2.561	11.7	18.5
3 12	11 52.13	−19 31.5	1.603	2.545	9.0	18.3
3 22	11 43.20	−19 0.4	1.568	2.530	7.4	18.1
4 1	11 34.50	−18 7.4	1.558	2.515	8.3	18.1
4 11	11 27.17	−17 0.0	1.574	2.501	11.0	18.3
4 21	11 22.04	−15 47.2	1.612	2.486	14.2	18.4

11947 Kimclijsters 3 17.1 234°.84 0°.1/16.9 18

2 11	12 8.10	− 0 36.2	2.894	3.698	10.0	19.5
2 21	12 3.75	− 0 7.4	2.793	3.687	7.6	19.3
3 2	11 57.99	+ 0 30.5	2.718	3.674	4.7	19.1
3 12	11 51.26	+ 1 14.5	2.672	3.662	1.6	18.9
3 22	11 44.12	+ 2 0.8	2.657	3.649	1.6	18.8
4 1	11 37.21	+ 2 45.4	2.671	3.636	4.8	19.0
4 11	11 31.13	+ 3 24.3	2.715	3.622	7.8	19.2
4 21	11 26.34	+ 3 54.5	2.783	3.608	10.4	19.4

24771 1993 FA_{32} 3 17.1 165°.33 2°.4/14.6 18

2 11	12 13.76	+ 5 56.0	2.106	2.932	12.5	19.2
2 21	12 8.35	+ 6 44.0	2.031	2.938	9.2	19.0
3 2	12 0.96	+ 7 39.2	1.981	2.943	5.7	18.8
3 12	11 52.28	+ 8 35.7	1.959	2.947	2.6	18.6
3 22	11 43.16	+ 9 27.3	1.967	2.950	3.9	18.7
4 1	11 34.51	+10 8.4	2.004	2.953	7.4	18.9
4 11	11 27.20	+10 35.1	2.068	2.955	10.8	19.1
4 21	11 21.79	+10 45.9	2.154	2.957	13.8	19.3

150545 2000 SR_{166} 3 17.1 267°.00 2°.4/19.0 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 14.26	− 5 47.2	1.993	2.786	14.3	19.8
2 21	12 9.13	− 6 2.9	1.889	2.769	11.3	19.6
3 2	12 1.72	− 6 4.6	1.807	2.752	7.7	19.3
3 12	11 52.63	− 5 53.4	1.752	2.734	4.0	19.1
3 22	11 42.73	− 5 31.9	1.726	2.717	2.8	18.9
4 1	11 33.07	− 5 4.7	1.728	2.699	6.3	19.1
4 11	11 24.69	− 4 37.2	1.757	2.680	10.3	19.3
4 21	11 18.36	− 4 14.6	1.810	2.662	13.9	19.5

121519 1999 UV_{17} 3 17.1 90°.11 1°.0/16.1 17

2 11	12 10.37	+ 1 33.3	1.939	2.766	13.4	20.7
2 21	12 5.96	+ 2 9.8	1.864	2.770	10.0	20.5
3 2	11 59.56	+ 2 57.4	1.813	2.775	6.1	20.3
3 12	11 51.82	+ 3 50.9	1.789	2.779	2.0	20.0
3 22	11 43.61	+ 4 44.4	1.793	2.784	2.7	20.1
4 1	11 35.89	+ 5 31.5	1.825	2.788	6.8	20.3
4 11	11 29.52	+ 6 7.1	1.884	2.792	10.6	20.6
4 21	11 25.07	+ 6 28.5	1.965	2.797	13.8	20.8

9059 Dumas 3 17.1 297°.11 2°.6/18.9 18

2 11	12 12.02	− 6 18.4	1.303	2.126	18.8	17.7
2 21	12 8.34	− 6 17.7	1.219	2.117	14.8	17.4
3 2	12 1.64	− 5 53.7	1.155	2.108	10.0	17.1
3 12	11 52.68	− 5 8.7	1.114	2.099	4.9	16.8
3 22	11 42.70	− 4 8.4	1.098	2.091	3.2	16.6
4 1	11 33.21	− 3 2.2	1.107	2.082	8.2	16.9
4 11	11 25.67	− 2 0.4	1.139	2.074	13.5	17.1
4 21	11 21.01	− 1 11.5	1.191	2.066	18.2	17.4

306610 2000 OG_{36} 3 17.1 190°.64 3°.7/20.5 18

2 11	12 14.37	−11 10.3	2.005	2.774	15.1	21.3
2 21	12 9.08	−11 10.6	1.912	2.773	12.1	21.1
3 2	12 1.59	−10 51.4	1.841	2.771	8.7	20.8
3 12	11 52.56	−10 13.5	1.796	2.769	5.2	20.6
3 22	11 42.86	− 9 20.4	1.779	2.765	3.7	20.5
4 1	11 33.56	− 8 18.0	1.792	2.761	6.2	20.7
4 11	11 25.62	− 7 13.6	1.831	2.756	9.8	20.9
4 21	11 19.74	− 6 13.9	1.895	2.751	13.3	21.1

127180 2002 GQ_{163} 3 17.1 92°.05 1°.4/15.7 18

2 11	12 11.27	+ 3 2.1	1.917	2.746	13.4	20.1
2 21	12 6.65	+ 3 35.9	1.842	2.750	10.0	19.9
3 2	12 0.00	+ 4 19.5	1.792	2.755	6.1	19.6
3 12	11 51.98	+ 5 7.5	1.769	2.759	2.1	19.4
3 22	11 43.48	+ 5 53.9	1.774	2.763	3.1	19.5
4 1	11 35.49	+ 6 32.9	1.808	2.768	7.1	19.7
4 11	11 28.89	+ 6 59.7	1.867	2.772	10.8	19.9
4 21	11 24.26	+ 7 12.1	1.949	2.776	14.1	20.2

272803 2006 AQ_{16} 3 17.1 43°.36 9°.5/ 7.6 18

2 11	12 11.74	+23 1.8	1.598	2.453	14.3	19.8
2 21	12 7.39	+24 45.4	1.557	2.463	11.6	19.6
3 2	12 0.57	+26 20.3	1.540	2.473	9.8	19.5
3 12	11 52.16	+27 34.8	1.547	2.484	9.7	19.6
3 22	11 43.35	+28 20.8	1.579	2.495	11.3	19.7
4 1	11 35.35	+28 34.2	1.634	2.507	13.8	19.9
4 11	11 29.19	+28 15.9	1.709	2.518	16.4	20.1
4 21	11 25.44	+27 30.2	1.801	2.530	18.6	20.3

151093 2001 VE_{99} 3 17.1 82°.98 0°.3/16.7 18

2 11	12 9.75	− 2 50.9	1.850	2.666	14.3	19.8
2 21	12 5.44	− 1 39.1	1.789	2.689	10.7	19.6
3 2	11 59.17	− 0 11.1	1.752	2.711	6.6	19.4
3 12	11 51.67	+ 1 26.4	1.743	2.733	2.2	19.1
3 22	11 43.83	+ 3 5.0	1.763	2.755	2.4	19.2
4 1	11 36.61	+ 4 36.3	1.812	2.777	6.6	19.5
4 11	11 30.81	+ 5 53.4	1.888	2.798	10.4	19.8
4 21	11 26.96	+ 6 52.2	1.987	2.819	13.7	20.0

240561 2004 RC_{337} 3 17.1 170°.13 1°.4/18.4 18

2 11	12 12.33	− 6 2.4	1.766	2.569	15.5	21.0
2 21	12 7.69	− 5 25.2	1.684	2.572	12.0	20.8
3 2	12 0.77	− 4 28.2	1.624	2.575	7.8	20.6
3 12	11 52.28	− 3 15.5	1.591	2.577	3.4	20.3
3 22	11 43.19	− 1 53.7	1.586	2.579	2.2	20.2
4 1	11 34.60	− 0 31.2	1.609	2.580	6.6	20.5
4 11	11 27.52	+ 0 43.5	1.659	2.581	10.9	20.7
4 21	11 22.61	+ 1 44.4	1.732	2.581	14.6	21.0

136764 1996 HM_{23} 3 17.1 338°.84 1°.5/15.8 18

2 11	12 8.22	+ 1 42.7	1.402	2.250	16.3	19.1
2 21	12 5.15	+ 2 25.1	1.324	2.242	12.3	18.8
3 2	11 59.46	+ 3 23.5	1.268	2.234	7.5	18.5
3 12	11 51.89	+ 4 31.1	1.236	2.227	2.6	18.2
3 22	11 43.55	+ 5 38.9	1.229	2.220	3.7	18.2
4 1	11 35.74	+ 6 37.6	1.249	2.214	8.9	18.5
4 11	11 29.66	+ 7 19.5	1.291	2.209	13.6	18.8
4 21	11 26.09	+ 7 40.8	1.353	2.205	17.8	19.0

29632 1998 UR_{44} 3 17.1 88°.82 2°.9/15.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 18.16	+ 6 25.3	1.396	2.238	16.7	19.6
2 21	12 12.36	+ 6 54.4	1.337	2.251	12.5	19.3
3 2	12 3.74	+ 7 31.6	1.301	2.265	7.7	19.1
3 12	11 53.28	+ 8 9.2	1.290	2.279	3.3	18.9
3 22	11 42.31	+ 8 39.7	1.306	2.292	4.7	19.0
4 1	11 32.26	+ 8 56.7	1.348	2.305	9.4	19.3
4 11	11 24.33	+ 8 56.7	1.415	2.318	13.7	19.6
4 21	11 19.17	+ 8 39.1	1.501	2.331	17.4	19.8

217066 2001 SB_{50} 3 17.1 154°.26 0°.6/16.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 11.55	+ 0 15.8	2.431	3.240	11.6	21.6
2 21	12 6.44	+ 1 3.6	2.353	3.250	8.6	21.4
3 2	11 59.69	+ 2 1.7	2.300	3.259	5.3	21.2
3 12	11 51.86	+ 3 5.7	2.277	3.267	1.7	21.0
3 22	11 43.66	+ 4 10.1	2.284	3.275	2.2	21.0
4 1	11 35.87	+ 5 9.4	2.322	3.282	5.7	21.3
4 11	11 29.20	+ 5 59.0	2.388	3.289	9.0	21.5
4 21	11 24.13	+ 6 35.9	2.478	3.294	11.8	21.7

211511 2003 QG_{40} 3 17.1 179°.88 0°.8/17.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 14.90	− 2 55.6	1.944	2.748	14.2	21.0
2 21	12 9.44	− 2 41.1	1.859	2.749	10.9	20.8
3 2	12 1.79	− 2 12.5	1.797	2.750	7.0	20.6
3 12	11 52.63	− 1 33.3	1.763	2.751	2.8	20.3
3 22	11 42.88	− 0 48.2	1.757	2.750	2.1	20.3
4 1	11 33.60	− 0 3.3	1.781	2.749	6.3	20.5
4 11	11 25.73	+ 0 35.6	1.831	2.748	10.4	20.8
4 21	11 19.94	+ 1 4.3	1.905	2.746	13.8	21.0

129932 1999 TB_{148} 3 17.1 273°.40 2°.4/19.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 11.78	− 7 6.3	1.715	2.517	15.9	20.3
2 21	12 7.66	− 6 54.9	1.609	2.494	12.6	20.1
3 2	12 1.03	− 6 23.0	1.525	2.472	8.6	19.8
3 12	11 52.48	− 5 32.5	1.465	2.449	4.3	19.5
3 22	11 42.95	− 4 27.9	1.433	2.426	2.8	19.3
4 1	11 33.64	− 3 16.7	1.429	2.402	7.0	19.5
4 11	11 25.74	− 2 7.8	1.450	2.378	11.7	19.7
4 21	11 20.14	− 1 8.6	1.494	2.354	15.9	19.9

387305 2012 VS_{37} 3 17.1 146°.55 0°.6/16.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 9.20	+ 1 10.7	2.734	3.545	10.4	21.8
2 21	12 4.54	+ 1 43.8	2.655	3.553	7.7	21.6
3 2	11 58.44	+ 2 25.0	2.602	3.560	4.7	21.4
3 12	11 51.42	+ 3 10.6	2.577	3.568	1.5	21.2
3 22	11 44.09	+ 3 56.5	2.584	3.575	2.0	21.3
4 1	11 37.10	+ 4 38.4	2.620	3.581	5.1	21.5
4 11	11 31.06	+ 5 12.7	2.685	3.588	8.0	21.7
4 21	11 26.40	+ 5 36.9	2.774	3.593	10.6	21.9

217921 2001 SN_{324} 3 17.1 164°.29 2°.7/19.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 12.05	− 9 9.1	2.182	2.959	13.7	21.6
2 21	12 7.10	− 8 58.3	2.095	2.964	10.9	21.4
3 2	12 0.24	− 8 30.4	2.032	2.969	7.5	21.2
3 12	11 52.08	− 7 47.4	1.994	2.972	4.2	21.0
3 22	11 43.44	− 6 53.2	1.986	2.976	2.8	21.0
4 1	11 35.19	− 5 53.4	2.007	2.978	5.5	21.1
4 11	11 28.18	− 4 54.4	2.056	2.981	9.0	21.3
4 21	11 22.98	− 4 1.7	2.130	2.982	12.1	21.5

330009 2005 UA_{19} 3 17.1 99°.01 2°.0/15.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 11.80	+ 4 20.7	1.853	2.687	13.6	21.3
2 21	12 7.08	+ 5 5.5	1.785	2.696	10.1	21.1
3 2	12 0.26	+ 5 59.3	1.742	2.705	6.1	20.8
3 12	11 52.08	+ 6 56.1	1.725	2.714	2.5	20.6
3 22	11 43.47	+ 7 49.0	1.737	2.723	3.7	20.7
4 1	11 35.42	+ 8 31.8	1.776	2.732	7.6	21.0
4 11	11 28.83	+ 9 0.1	1.841	2.741	11.3	21.2
4 21	11 24.27	+ 9 11.9	1.929	2.749	14.5	21.4

172059 2001 XL_{203} 3 17.1 194°.96 2°.6/13.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 8.60	+ 8 39.0	2.829	3.658	9.6	20.6
2 21	12 4.12	+ 9 33.4	2.747	3.655	7.1	20.4
3 2	11 58.21	+10 31.9	2.692	3.652	4.5	20.3
3 12	11 51.36	+11 29.7	2.666	3.649	2.7	20.1
3 22	11 44.15	+12 22.0	2.671	3.645	3.8	20.2
4 1	11 37.25	+13 4.6	2.705	3.641	6.4	20.4
4 11	11 31.24	+13 34.6	2.767	3.637	9.0	20.5
4 21	11 26.59	+13 50.6	2.851	3.632	11.3	20.7

78822 2003 QO_{12} 3 17.1 134°.76 0°.4/16.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 15.80	+ 0 15.1	2.007	2.818	13.6	20.8
2 21	12 9.88	+ 0 43.6	1.937	2.833	10.2	20.7
3 2	12 1.92	+ 1 23.4	1.890	2.848	6.3	20.4
3 12	11 52.63	+ 2 9.7	1.872	2.862	2.1	20.2
3 22	11 42.95	+ 2 57.1	1.884	2.876	2.3	20.2
4 1	11 33.84	+ 3 39.8	1.925	2.888	6.4	20.5
4 11	11 26.19	+ 4 12.9	1.993	2.900	10.2	20.8
4 21	11 20.55	+ 4 33.8	2.085	2.911	13.3	21.0

241560 5002 $T\text{-}_2$ 3 17.1 241°.13 3°.6/22.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 7.52	−15 28.6	2.882	3.618	11.7	21.2
2 21	12 3.44	−15 10.4	2.768	3.602	9.6	21.0
3 2	11 57.87	−14 34.6	2.677	3.587	7.3	20.8
3 12	11 51.27	−13 42.2	2.612	3.571	4.9	20.7
3 22	11 44.21	−12 35.6	2.576	3.554	3.6	20.6
4 1	11 37.35	−11 19.2	2.571	3.537	4.8	20.6
4 11	11 31.33	− 9 58.7	2.594	3.519	7.3	20.7
4 21	11 26.63	− 8 39.6	2.645	3.502	9.9	20.9

521200 2015 FJ_{413} 3 17.1 278°.12 1°.0/15.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 5.82	+ 0 0.0	2.354	3.175	11.5	21.7
2 21	12 2.33	+ 1 8.8	2.267	3.171	8.6	21.5
3 2	11 57.24	+ 2 30.1	2.205	3.167	5.2	21.3
3 12	11 51.06	+ 3 58.7	2.172	3.163	1.7	21.0
3 22	11 44.46	+ 5 28.1	2.169	3.159	2.5	21.1
4 1	11 38.17	+ 6 51.6	2.196	3.155	6.1	21.3
4 11	11 32.89	+ 8 3.3	2.250	3.151	9.4	21.5
4 21	11 29.13	+ 8 59.7	2.328	3.147	12.3	21.7

503991 2004 TX_{359} 3 17.1 191°.36 2°.5/19.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 10.26	− 9 21.9	2.410	3.184	12.7	22.2
2 21	12 5.64	− 9 5.4	2.316	3.183	10.1	22.0
3 2	11 59.29	− 8 32.7	2.245	3.181	7.0	21.8
3 12	11 51.77	− 7 45.8	2.201	3.179	3.9	21.6
3 22	11 43.77	− 6 48.3	2.186	3.176	2.6	21.5
4 1	11 36.09	− 5 45.6	2.201	3.172	5.1	21.6
4 11	11 29.48	− 4 43.4	2.245	3.169	8.4	21.8
4 21	11 24.47	− 3 47.0	2.314	3.164	11.3	22.0

504282 2006 WR_{120} 3 17.1 176°.64 5°.7/26.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 8.12	−24 42.2	3.162	3.826	12.0	22.4
2 21	12 3.76	−24 43.1	3.060	3.828	10.4	22.3
3 2	11 58.00	−24 25.0	2.979	3.830	8.6	22.2
3 12	11 51.30	−23 47.4	2.923	3.831	6.9	22.1
3 22	11 44.25	−22 51.7	2.894	3.831	5.8	22.0
4 1	11 37.45	−21 41.2	2.893	3.832	5.9	22.0
4 11	11 31.52	−20 20.9	2.921	3.831	7.2	22.1
4 21	11 26.90	−18 56.5	2.976	3.831	9.0	22.2

87352 2000 QJ_{32} 3 17.1 217°.86 6°.2/10.0 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 12.36	+17 15.2	2.090	2.933	11.9	19.5
2 21	12 7.47	+18 35.5	2.019	2.927	9.2	19.3
3 2	12 0.54	+19 54.9	1.973	2.921	7.0	19.1
3 12	11 52.21	+21 5.3	1.955	2.914	6.3	19.1
3 22	11 43.37	+21 59.2	1.965	2.907	7.8	19.1
4 1	11 34.98	+22 31.4	2.001	2.899	10.4	19.3
4 11	11 27.93	+22 40.0	2.061	2.891	13.2	19.4
4 21	11 22.84	+22 25.9	2.141	2.883	15.7	19.6

30596 Amdeans 3 17.1 247°.71 2°.0/18.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 13.29	− 6 30.4	1.687	2.489	16.1	19.5
2 21	12 8.79	− 6 11.6	1.587	2.474	12.7	19.2
3 2	12 1.72	− 5 32.1	1.508	2.457	8.5	18.9
3 12	11 52.72	− 4 34.4	1.456	2.440	4.0	18.6
3 22	11 42.80	− 3 23.9	1.430	2.423	2.6	18.5
4 1	11 33.17	− 2 8.5	1.432	2.404	7.1	18.7
4 11	11 25.04	− 0 57.4	1.460	2.386	11.8	18.9
4 21	11 19.27	+ 0 2.0	1.511	2.366	16.0	19.1

407467 2010 UN_{72} 3 17.1 103°.54 0°.6/16.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 14.33	+ 0 37.7	1.947	2.764	13.7	21.2
2 21	12 8.77	+ 1 11.4	1.885	2.786	10.2	21.1
3 2	12 1.20	+ 1 56.1	1.848	2.807	6.3	20.9
3 12	11 52.39	+ 2 46.9	1.838	2.828	2.0	20.6
3 22	11 43.25	+ 3 37.6	1.857	2.849	2.5	20.7
4 1	11 34.74	+ 4 22.6	1.905	2.869	6.5	21.0
4 11	11 27.72	+ 4 56.9	1.980	2.888	10.2	21.2
4 21	11 22.69	+ 5 18.0	2.079	2.907	13.3	21.5

169125 2001 PZ_{27} 3 17.1 174°.30 2°.1/14.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 9.79	+ 6 32.4	2.712	3.536	10.1	20.9
2 21	12 5.02	+ 7 16.2	2.632	3.538	7.4	20.7
3 2	11 58.78	+ 8 5.0	2.579	3.540	4.6	20.5
3 12	11 51.57	+ 8 54.5	2.555	3.541	2.2	20.3
3 22	11 44.01	+ 9 40.0	2.561	3.543	3.2	20.4
4 1	11 36.79	+10 17.4	2.597	3.543	6.1	20.6
4 11	11 30.53	+10 43.5	2.660	3.543	8.9	20.8
4 21	11 25.70	+10 56.9	2.748	3.543	11.3	20.9

86970 2000 JW_{11} 3 17.1 190°.66 1°.3/18.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 14.00	− 5 8.2	1.845	2.646	15.0	20.1
2 21	12 8.92	− 4 41.6	1.758	2.645	11.6	19.8
3 2	12 1.56	− 3 57.1	1.693	2.644	7.6	19.6
3 12	11 52.60	− 2 58.4	1.655	2.641	3.2	19.3
3 22	11 42.99	− 1 51.2	1.645	2.638	2.2	19.2
4 1	11 33.82	− 0 42.8	1.664	2.635	6.5	19.5
4 11	11 26.11	+ 0 19.1	1.710	2.630	10.8	19.7
4 21	11 20.56	+ 1 9.1	1.779	2.625	14.5	20.0

74646 1999 RD_{70} 3 17.1 286°.57 0°.4/16.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 11.04	− 1 3.6	1.567	2.397	15.8	20.4
2 21	12 7.30	− 0 27.6	1.466	2.373	12.1	20.1
3 2	12 0.91	+ 0 26.9	1.386	2.348	7.7	19.8
3 12	11 52.48	+ 1 35.2	1.332	2.323	2.6	19.4
3 22	11 43.02	+ 2 49.9	1.305	2.297	2.9	19.4
4 1	11 33.80	+ 4 1.7	1.304	2.272	8.3	19.6
4 11	11 26.10	+ 5 1.6	1.328	2.246	13.3	19.8
4 21	11 20.85	+ 5 43.6	1.372	2.221	17.7	20.0

386963 2011 UF_{34} 3 17.1 301°.70 0°.3/17.4 17

2 11	12 8.27	− 1 42.6	2.200	3.014	12.4	20.8
2 21	12 4.35	− 1 21.5	2.104	3.001	9.5	20.6
3 2	11 58.59	− 0 48.3	2.032	2.989	6.0	20.4
3 12	11 51.57	− 0 6.1	1.987	2.976	2.2	20.1
3 22	11 43.99	+ 0 40.4	1.971	2.964	1.9	20.1
4 1	11 36.70	+ 1 25.9	1.983	2.952	5.8	20.3
4 11	11 30.51	+ 2 5.1	2.023	2.940	9.5	20.5
4 21	11 26.01	+ 2 34.2	2.085	2.928	12.7	20.7

339092 2004 RK_{129} 3 17.1 206°.39 0°.2/16.9 17

2 11	12 9.43	− 1 40.1	2.022	2.838	13.3	21.6
2 21	12 5.28	− 0 55.1	1.936	2.836	10.1	21.3
3 2	11 59.19	+ 0 4.4	1.875	2.834	6.3	21.1
3 12	11 51.77	+ 1 13.5	1.841	2.831	2.1	20.8
3 22	11 43.82	+ 2 26.0	1.836	2.828	2.2	20.8
4 1	11 36.26	+ 3 34.9	1.859	2.826	6.4	21.1
4 11	11 29.96	+ 4 33.8	1.910	2.822	10.2	21.3
4 21	11 25.49	+ 5 18.6	1.983	2.819	13.6	21.5

56705 2000 LL_{33} 3 17.1 228°.20 2°.5/14.0 18

2 11	12 9.33	+ 4 17.7	2.200	3.029	11.9	19.2
2 21	12 5.13	+ 5 39.9	2.109	3.019	8.8	19.0
3 2	11 59.09	+ 7 13.4	2.045	3.008	5.4	18.8
3 12	11 51.74	+ 8 51.3	2.009	2.996	2.6	18.6
3 22	11 43.85	+10 26.0	2.003	2.984	4.1	18.7
4 1	11 36.26	+11 49.9	2.027	2.972	7.6	18.8
4 11	11 29.80	+12 57.3	2.078	2.959	11.0	19.0
4 21	11 25.05	+13 45.1	2.151	2.946	14.0	19.2

94463 2001 TH_{127} 3 17.1 88°.69 0°.8/17.7 18

2 11	12 15.76	− 2 25.4	1.458	2.280	17.2	19.8
2 21	12 10.52	− 2 12.3	1.395	2.295	13.1	19.6
3 2	12 2.61	− 1 42.1	1.353	2.310	8.3	19.4
3 12	11 52.95	− 0 59.7	1.336	2.325	3.1	19.1
3 22	11 42.75	− 0 11.6	1.346	2.340	2.4	19.1
4 1	11 33.35	+ 0 34.4	1.384	2.354	7.5	19.4
4 11	11 25.88	+ 1 11.4	1.445	2.369	12.1	19.7
4 21	11 21.01	+ 1 35.0	1.529	2.383	16.0	20.0

214857 2006 XY_{58} 3 17.1 111°.65 0°.1/17.1 18

2 11	12 13.17	− 1 6.2	1.919	2.733	14.0	21.4
2 21	12 8.02	− 0 37.9	1.850	2.748	10.5	21.2
3 2	12 0.82	+ 0 3.2	1.805	2.762	6.6	21.0
3 12	11 52.30	+ 0 52.6	1.787	2.776	2.2	20.7
3 22	11 43.37	+ 1 44.5	1.797	2.790	2.2	20.8
4 1	11 35.01	+ 2 32.8	1.837	2.803	6.4	21.0
4 11	11 28.10	+ 3 11.9	1.903	2.816	10.2	21.3
4 21	11 23.19	+ 3 38.5	1.992	2.829	13.5	21.5

236352 2006 BE_{157} 3 17.1 352°.97 2°.4/14.9 17

2 11	12 8.46	+ 4 16.0	1.651	2.496	14.4	19.8
2 21	12 4.93	+ 5 6.8	1.577	2.493	10.7	19.5
3 2	11 59.13	+ 6 8.8	1.525	2.491	6.6	19.3
3 12	11 51.78	+ 7 15.1	1.500	2.489	2.7	19.0
3 22	11 43.84	+ 8 17.6	1.501	2.487	4.2	19.1
4 1	11 36.42	+ 9 8.8	1.529	2.487	8.4	19.4
4 11	11 30.50	+ 9 43.1	1.581	2.486	12.5	19.6
4 21	11 26.75	+ 9 58.0	1.655	2.486	16.0	19.8

484814 2009 FS_{1} 3 17.1 286°.65 1°.8/16.5 18

2 11	12 29.15	+ 7 38.8	1.126	1.966	20.1	20.8
2 21	12 22.04	+ 6 55.0	1.043	1.954	15.5	20.5
3 2	12 10.66	+ 6 12.2	0.980	1.942	9.8	20.1
3 12	11 55.96	+ 5 25.6	0.940	1.930	3.6	19.7
3 22	11 39.71	+ 4 31.4	0.927	1.918	4.3	19.7
4 1	11 24.20	+ 3 27.8	0.940	1.907	10.8	20.0
4 11	11 11.51	+ 2 14.4	0.977	1.895	16.9	20.3
4 21	11 2.85	+ 0 52.6	1.033	1.884	22.1	20.6

261198 2005 TH_{162} 3 17.1 8°.07 2°.6/19.3 17

2 11	12 8.44	− 7 18.6	1.501	2.317	17.1	20.3
2 21	12 5.15	− 7 8.5	1.425	2.318	13.4	20.1
3 2	11 59.38	− 6 36.6	1.369	2.319	9.1	19.8
3 12	11 51.89	− 5 45.5	1.337	2.321	4.6	19.6
3 22	11 43.74	− 4 41.4	1.331	2.323	2.9	19.5
4 1	11 36.13	− 3 32.7	1.351	2.327	7.0	19.7
4 11	11 30.18	− 2 28.3	1.396	2.330	11.5	20.0
4 21	11 26.59	− 1 35.5	1.462	2.335	15.5	20.2

54895 2001 OO_{70} 3 17.1 178°.41 0°.7/17.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 12.92	− 3 9.1	2.338	3.134	12.4	20.4
2 21	12 7.63	− 2 48.0	2.249	3.136	9.4	20.2
3 2	12 0.54	− 2 14.6	2.186	3.138	6.1	20.0
3 12	11 52.22	− 1 32.0	2.151	3.138	2.4	19.7
3 22	11 43.44	− 0 44.5	2.145	3.139	1.8	19.7
4 1	11 35.03	+ 0 2.8	2.170	3.138	5.5	19.9
4 11	11 27.78	+ 0 44.9	2.223	3.137	8.9	20.1
4 21	11 22.22	+ 1 17.9	2.301	3.135	12.0	20.3

499906 2011 GE_{35} 3 17.1 342°.48 0°.2/17.3 17

2 11	12 10.48	− 0 42.1	1.665	2.493	15.1	21.2
2 21	12 6.49	− 0 31.3	1.583	2.488	11.5	21.0
3 2	12 0.15	− 0 6.9	1.523	2.483	7.3	20.7
3 12	11 52.15	+ 0 27.4	1.489	2.478	2.6	20.4
3 22	11 43.49	+ 1 5.8	1.481	2.474	2.3	20.4
4 1	11 35.30	+ 1 42.0	1.501	2.471	7.1	20.7
4 11	11 28.64	+ 2 10.0	1.545	2.468	11.5	20.9
4 21	11 24.20	+ 2 25.6	1.612	2.466	15.3	21.1

160296 2003 FE_{12} 3 17.1 246°.43 0°.2/16.9 18

2 11	12 16.05	+ 0 17.4	1.640	2.462	15.6	20.1
2 21	12 10.86	+ 0 28.3	1.548	2.451	11.9	19.8
3 2	12 2.99	+ 0 52.3	1.479	2.439	7.5	19.5
3 12	11 53.18	+ 1 25.6	1.436	2.426	2.6	19.2
3 22	11 42.48	+ 2 2.3	1.421	2.414	2.6	19.2
4 1	11 32.18	+ 2 35.9	1.433	2.401	7.7	19.4
4 11	11 23.53	+ 3 0.1	1.471	2.387	12.4	19.7
4 21	11 17.35	+ 3 11.1	1.531	2.374	16.5	19.9

294095 2007 TR_{217} 3 17.1 168°.84 0°.4/16.6 17

2 11	12 10.13	+ 0 50.0	2.592	3.403	10.9	21.5
2 21	12 5.36	+ 1 16.9	2.508	3.406	8.2	21.3
3 2	11 59.04	+ 1 52.5	2.450	3.408	5.0	21.1
3 12	11 51.69	+ 2 33.1	2.420	3.410	1.7	20.9
3 22	11 43.98	+ 3 14.7	2.421	3.412	1.9	20.9
4 1	11 36.61	+ 3 52.8	2.451	3.414	5.3	21.1
4 11	11 30.23	+ 4 23.7	2.509	3.415	8.4	21.3
4 21	11 25.34	+ 4 44.7	2.592	3.416	11.1	21.5

141929 2002 PD_{88} 3 17.1 207°.85 0°.3/17.4 16

2 11	12 12.76	− 2 21.8	2.112	2.917	13.2	21.8
2 21	12 7.77	− 1 51.9	2.019	2.911	10.1	21.6
3 2	12 0.76	− 1 8.2	1.950	2.905	6.4	21.4
3 12	11 52.34	− 0 14.4	1.909	2.898	2.3	21.1
3 22	11 43.33	+ 0 44.2	1.897	2.890	2.0	21.0
4 1	11 34.68	+ 1 41.3	1.915	2.882	6.1	21.3
4 11	11 27.26	+ 2 31.1	1.960	2.873	10.0	21.5
4 21	11 21.72	+ 3 9.4	2.029	2.863	13.3	21.7

423645 2005 YM_{4} 3 17.1 73°.72 3°.3/13.8 18

2 11	12 11.17	+ 7 17.8	1.784	2.626	13.6	21.7
2 21	12 6.64	+ 8 18.9	1.725	2.640	10.1	21.5
3 2	12 0.01	+ 9 26.7	1.691	2.654	6.2	21.3
3 12	11 52.04	+10 33.7	1.683	2.669	3.4	21.2
3 22	11 43.68	+11 32.3	1.703	2.683	4.9	21.3
4 1	11 35.96	+12 16.3	1.751	2.697	8.5	21.6
4 11	11 29.75	+12 41.8	1.824	2.711	12.0	21.8
4 21	11 25.60	+12 48.1	1.918	2.726	15.0	22.0

71977 2000 WS_{137} 3 17.1 85°.65 1°.6/18.3 18

2 11	12 15.33	− 4 28.2	1.568	2.380	16.7	19.3
2 21	12 10.01	− 4 19.3	1.506	2.398	12.8	19.0
3 2	12 2.22	− 3 52.7	1.465	2.417	8.3	18.8
3 12	11 52.82	− 3 12.2	1.449	2.436	3.6	18.6
3 22	11 42.95	− 2 23.8	1.461	2.454	2.4	18.5
4 1	11 33.85	− 1 34.9	1.500	2.472	6.9	18.9
4 11	11 26.55	− 0 52.3	1.565	2.490	11.2	19.1
4 21	11 21.69	− 0 21.1	1.653	2.508	14.9	19.4

25898 Alpoge 3 17.1 317°.10 5°.1/21.7 18

2 11	12 9.39	−13 30.1	1.819	2.592	16.2	18.3
2 21	12 5.65	−13 48.0	1.725	2.584	13.3	18.1
3 2	11 59.65	−13 44.0	1.651	2.575	10.0	17.9
3 12	11 52.01	−13 17.8	1.602	2.566	6.7	17.7
3 22	11 43.63	−12 32.1	1.578	2.558	5.1	17.6
4 1	11 35.59	−11 32.1	1.581	2.551	6.9	17.6
4 11	11 28.93	−10 26.1	1.610	2.543	10.4	17.8
4 21	11 24.39	− 9 21.9	1.662	2.536	13.9	18.0

168337 1994 SK_{1} 3 17.1 23°.24 1°.6/15.6 18

2 11	12 8.51	+ 3 33.2	1.643	2.487	14.6	19.2
2 21	12 4.79	+ 4 3.2	1.586	2.501	10.8	19.0
3 2	11 58.92	+ 4 43.0	1.551	2.516	6.5	18.8
3 12	11 51.68	+ 5 26.6	1.542	2.532	2.4	18.5
3 22	11 44.05	+ 6 7.4	1.559	2.549	3.4	18.6
4 1	11 37.08	+ 6 39.2	1.604	2.567	7.5	18.9
4 11	11 31.64	+ 6 57.7	1.673	2.585	11.4	19.2
4 21	11 28.30	+ 7 1.0	1.763	2.605	14.7	19.4

76466 2000 FD_{47} 3 17.1 153°.29 5°.0/11.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 10.61	+15 13.3	2.297	3.138	11.0	19.2
2 21	12 5.92	+16 20.3	2.232	3.141	8.4	19.0
3 2	11 59.46	+17 27.1	2.192	3.144	6.0	18.9
3 12	11 51.86	+18 27.0	2.181	3.147	5.0	18.8
3 22	11 43.88	+19 13.8	2.198	3.150	6.4	18.9
4 1	11 36.35	+19 43.1	2.242	3.153	8.9	19.0
4 11	11 30.02	+19 53.2	2.311	3.155	11.5	19.2
4 21	11 25.41	+19 44.3	2.402	3.157	13.8	19.4

499054 2009 DS_{98} 3 17.1 289°.66 2°.3/14.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 8.38	+ 5 47.1	2.230	3.064	11.6	21.7
2 21	12 4.40	+ 6 33.9	2.141	3.052	8.6	21.5
3 2	11 58.62	+ 7 28.2	2.077	3.040	5.3	21.2
3 12	11 51.61	+ 8 24.9	2.041	3.029	2.5	21.0
3 22	11 44.09	+ 9 18.0	2.034	3.017	3.7	21.1
4 1	11 36.89	+10 2.0	2.055	3.006	7.1	21.3
4 11	11 30.79	+10 32.7	2.102	2.994	10.4	21.5
4 21	11 26.35	+10 47.8	2.172	2.983	13.4	21.6

2447 Kronstadt 3 17.1 175°.05 1°.8/14.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 11.49	+ 3 47.8	2.381	3.202	11.4	18.0
2 21	12 6.51	+ 4 50.0	2.301	3.205	8.5	17.8
3 2	11 59.82	+ 6 0.9	2.246	3.208	5.1	17.6
3 12	11 51.99	+ 7 15.1	2.221	3.210	2.1	17.4
3 22	11 43.75	+ 8 26.5	2.226	3.211	3.3	17.5
4 1	11 35.88	+ 9 29.1	2.261	3.211	6.6	17.7
4 11	11 29.13	+10 18.5	2.324	3.211	9.8	17.9
4 21	11 24.01	+10 52.4	2.410	3.210	12.6	18.1

494825 2007 TT_{145} 3 17.1 180°.65 1°.0/16.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 14.72	+ 1 32.8	2.056	2.871	13.1	22.9
2 21	12 9.20	+ 2 10.9	1.973	2.873	9.9	22.7
3 2	12 1.62	+ 3 0.0	1.915	2.874	6.1	22.5
3 12	11 52.64	+ 3 55.1	1.884	2.875	2.0	22.2
3 22	11 43.12	+ 4 50.2	1.884	2.874	2.7	22.3
4 1	11 34.06	+ 5 39.2	1.912	2.873	6.8	22.5
4 11	11 26.34	+ 6 17.0	1.968	2.870	10.5	22.7
4 21	11 20.58	+ 6 40.8	2.047	2.867	13.8	22.9

187113 2005 QN_{62} 3 17.1 352°.85 1°.7/15.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 10.79	+ 2 54.0	1.553	2.394	15.4	20.2
2 21	12 6.83	+ 3 31.2	1.478	2.392	11.5	19.9
3 2	12 0.40	+ 4 20.9	1.426	2.390	7.1	19.7
3 12	11 52.26	+ 5 16.7	1.399	2.389	2.5	19.4
3 22	11 43.48	+ 6 10.9	1.399	2.388	3.6	19.5
4 1	11 35.26	+ 6 55.8	1.425	2.388	8.3	19.7
4 11	11 28.69	+ 7 25.6	1.476	2.388	12.7	20.0
4 21	11 24.47	+ 7 37.3	1.547	2.388	16.5	20.2

435921 2009 BX_{105} 3 17.1 252°.16 2°.4/19.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 10.54	− 7 48.4	2.433	3.212	12.4	21.6
2 21	12 5.92	− 7 52.7	2.332	3.203	9.8	21.4
3 2	11 59.54	− 7 43.3	2.254	3.193	6.8	21.2
3 12	11 51.94	− 7 21.5	2.204	3.182	3.8	21.0
3 22	11 43.79	− 6 50.0	2.183	3.172	2.6	20.9
4 1	11 35.89	− 6 12.9	2.191	3.161	5.2	21.0
4 11	11 29.03	− 5 35.2	2.227	3.151	8.4	21.2
4 21	11 23.75	− 5 1.2	2.288	3.140	11.4	21.4

272436 2005 TG_{174} 3 17.1 199°.11 2°.0/15.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 11.36	+ 4 7.3	1.950	2.781	13.1	21.3
2 21	12 6.80	+ 4 55.7	1.870	2.779	9.8	21.1
3 2	12 0.18	+ 5 54.0	1.814	2.777	6.0	20.9
3 12	11 52.16	+ 6 56.0	1.786	2.775	2.4	20.6
3 22	11 43.61	+ 7 55.1	1.787	2.773	3.6	20.7
4 1	11 35.50	+ 8 44.7	1.816	2.771	7.5	20.9
4 11	11 28.73	+ 9 19.9	1.870	2.768	11.2	21.2
4 21	11 23.92	+ 9 38.4	1.947	2.765	14.5	21.4

347627 2001 SG_{134} 3 17.1 117°.80 1°.3/18.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 7.93	− 6 38.9	2.549	3.336	11.7	21.2
2 21	12 3.73	− 6 1.0	2.469	3.349	9.0	21.0
3 2	11 58.03	− 5 9.1	2.415	3.361	5.9	20.8
3 12	11 51.37	− 4 6.4	2.389	3.373	2.7	20.6
3 22	11 44.39	− 2 57.4	2.392	3.385	1.7	20.6
4 1	11 37.78	− 1 47.7	2.425	3.396	4.7	20.8
4 11	11 32.17	− 0 42.5	2.487	3.407	7.8	21.0
4 21	11 28.02	+ 0 13.8	2.575	3.418	10.6	21.2

159636 2002 CU_{48} 3 17.1 320°.59 8°.3/23.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 11.14	−18 34.9	1.694	2.442	18.2	19.3
2 21	12 7.34	−19 36.7	1.596	2.428	15.6	19.1
3 2	12 0.94	−20 15.1	1.518	2.415	12.7	18.9
3 12	11 52.55	−20 26.4	1.462	2.402	9.9	18.7
3 22	11 43.15	−20 10.0	1.430	2.389	8.3	18.5
4 1	11 34.00	−19 29.0	1.423	2.377	9.2	18.6
4 11	11 26.37	−18 30.9	1.440	2.366	11.9	18.7
4 21	11 21.15	−17 25.4	1.479	2.355	15.1	18.8

174103 2002 JA_{38} 3 17.1 247°.43 4°.0/13.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 12.97	+ 8 33.0	1.782	2.623	13.7	20.5
2 21	12 8.33	+ 9 38.0	1.696	2.610	10.3	20.3
3 2	12 1.32	+10 51.0	1.634	2.597	6.6	20.0
3 12	11 52.61	+12 4.3	1.600	2.583	4.0	19.8
3 22	11 43.15	+13 9.3	1.593	2.569	5.7	19.9
4 1	11 34.11	+13 58.3	1.613	2.554	9.5	20.1
4 11	11 26.54	+14 26.7	1.658	2.539	13.4	20.3
4 21	11 21.19	+14 32.9	1.724	2.523	16.8	20.5

245484 2005 OZ_{23} 3 17.1 216°.29 0°.7/16.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 7.01	+ 0 27.9	2.584	3.400	10.8	20.7
2 21	12 3.10	+ 1 19.9	2.495	3.396	8.0	20.5
3 2	11 57.70	+ 2 22.1	2.431	3.392	4.9	20.3
3 12	11 51.28	+ 3 30.4	2.397	3.387	1.6	20.1
3 22	11 44.47	+ 4 39.5	2.392	3.383	2.2	20.1
4 1	11 37.94	+ 5 44.1	2.417	3.378	5.5	20.3
4 11	11 32.35	+ 6 39.3	2.470	3.373	8.7	20.5
4 21	11 28.17	+ 7 22.1	2.548	3.368	11.4	20.7

247634 2002 VM_{12} 3 17.1 125°.78 1°.3/15.9 18 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 14.89	+ 3 7.3	1.835	2.660	14.1	20.7
2 21	12 9.46	+ 3 32.5	1.764	2.669	10.5	20.5
3 2	12 1.81	+ 4 7.2	1.716	2.678	6.4	20.3
3 12	11 52.71	+ 4 46.1	1.696	2.686	2.2	20.0
3 22	11 43.12	+ 5 23.4	1.704	2.694	3.0	20.1
4 1	11 34.13	+ 5 53.5	1.740	2.701	7.2	20.4
4 11	11 26.67	+ 6 12.0	1.803	2.709	11.1	20.6
4 21	11 21.36	+ 6 16.8	1.888	2.716	14.5	20.9

201450 2003 FT_{63} 3 17.1 322°.23 2°.3/15.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 10.79	+ 2 54.5	1.299	2.150	17.2	20.3
2 21	12 7.34	+ 3 43.1	1.224	2.143	12.9	20.1
3 2	12 0.98	+ 4 47.7	1.169	2.136	7.9	19.7
3 12	11 52.54	+ 6 0.4	1.139	2.130	3.0	19.4
3 22	11 43.23	+ 7 11.2	1.134	2.123	4.5	19.5
4 1	11 34.52	+ 8 9.7	1.154	2.118	9.8	19.8
4 11	11 27.73	+ 8 48.2	1.197	2.112	14.8	20.0
4 21	11 23.70	+ 9 3.5	1.259	2.107	19.0	20.3

159189 2005 UO_{131} 3 17.1 192°.54 1°.2/15.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 9.30	+ 0 26.7	2.145	2.965	12.5	20.7
2 21	12 5.11	+ 1 39.7	2.060	2.964	9.3	20.4
3 2	11 59.07	+ 3 6.1	2.001	2.962	5.7	20.2
3 12	11 51.78	+ 4 40.0	1.970	2.960	1.9	20.0
3 22	11 44.00	+ 6 14.0	1.968	2.957	2.9	20.0
4 1	11 36.59	+ 7 40.5	1.997	2.954	6.8	20.3
4 11	11 30.36	+ 8 53.2	2.053	2.951	10.4	20.5
4 21	11 25.86	+ 9 48.4	2.132	2.947	13.5	20.7

281940 2011 FH_{147} 3 17.1 57°.01 0°.7/17.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 8.19	− 4 49.1	1.768	2.583	14.9	20.2
2 21	12 4.52	− 4 0.6	1.698	2.594	11.4	20.0
3 2	11 58.78	− 2 53.5	1.650	2.606	7.3	19.8
3 12	11 51.68	− 1 33.2	1.629	2.617	2.8	19.5
3 22	11 44.13	− 0 6.9	1.635	2.629	2.0	19.5
4 1	11 37.12	+ 1 16.8	1.669	2.640	6.4	19.8
4 11	11 31.54	+ 2 30.2	1.730	2.652	10.5	20.1
4 21	11 27.95	+ 3 28.2	1.813	2.664	14.0	20.3

229630 2006 DR_{201} 3 17.1 300°.57 5°.5/11.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 9.81	+13 38.9	1.867	2.717	12.8	20.0
2 21	12 5.83	+14 54.0	1.791	2.707	9.7	19.8
3 2	11 59.67	+16 12.0	1.739	2.697	6.8	19.6
3 12	11 52.02	+17 24.2	1.715	2.686	5.5	19.5
3 22	11 43.78	+18 22.5	1.717	2.676	7.2	19.5
4 1	11 35.97	+19 0.5	1.746	2.667	10.3	19.7
4 11	11 29.57	+19 15.1	1.798	2.657	13.6	19.9
4 21	11 25.21	+19 6.4	1.871	2.647	16.5	20.1

110763 2001 UL_{22} 3 17.1 43°.77 4°.9/21.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 10.35	−13 28.1	1.730	2.506	16.9	19.3
2 21	12 6.38	−13 36.1	1.648	2.509	13.7	19.1
3 2	12 0.08	−13 20.4	1.586	2.512	10.2	18.9
3 12	11 52.18	−12 41.6	1.548	2.515	6.6	18.7
3 22	11 43.63	−11 43.4	1.536	2.518	4.9	18.6
4 1	11 35.57	−10 32.4	1.551	2.522	6.9	18.7
4 11	11 29.01	− 9 17.6	1.591	2.525	10.4	18.9
4 21	11 24.65	− 8 7.1	1.655	2.529	14.0	19.1

209391 2004 EP_{60} 3 17.1 7°.70 0°.9/16.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 8.15	+ 1 16.9	1.925	2.755	13.3	20.5
2 21	12 4.40	+ 1 53.7	1.848	2.756	10.0	20.3
3 2	11 58.69	+ 2 42.1	1.795	2.757	6.1	20.0
3 12	11 51.67	+ 3 37.0	1.768	2.758	2.0	19.8
3 22	11 44.16	+ 4 32.2	1.769	2.760	2.7	19.8
4 1	11 37.09	+ 5 21.4	1.798	2.762	6.8	20.1
4 11	11 31.32	+ 5 59.3	1.853	2.765	10.6	20.3
4 21	11 27.41	+ 6 22.8	1.931	2.768	13.8	20.5

229164 2004 TA_{75} 3 17.1 133°.86 0°.9/16.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 12.02	+ 2 1.0	2.218	3.035	12.2	20.8
2 21	12 6.98	+ 2 33.8	2.144	3.045	9.1	20.6
3 2	12 0.14	+ 3 15.7	2.095	3.055	5.6	20.4
3 12	11 52.13	+ 4 2.1	2.074	3.064	1.9	20.1
3 22	11 43.74	+ 4 48.0	2.082	3.072	2.5	20.2
4 1	11 35.81	+ 5 28.1	2.120	3.081	6.2	20.5
4 11	11 29.10	+ 5 58.4	2.185	3.089	9.6	20.7
4 21	11 24.14	+ 6 16.3	2.274	3.096	12.5	20.9

182419 2001 RV_{98} 3 17.1 194°.47 1°.5/15.4 16

2 11	12 11.08	+ 2 17.1	2.180	3.001	12.3	21.7
2 21	12 6.42	+ 3 14.4	2.095	2.999	9.2	21.5
3 2	11 59.88	+ 4 22.6	2.035	2.997	5.6	21.3
3 12	11 52.08	+ 5 36.3	2.003	2.993	2.0	21.0
3 22	11 43.77	+ 6 48.8	2.002	2.989	3.1	21.1
4 1	11 35.83	+ 7 53.7	2.029	2.985	6.8	21.3
4 11	11 29.09	+ 8 45.7	2.084	2.980	10.3	21.5
4 21	11 24.10	+ 9 21.8	2.162	2.975	13.4	21.7

429628 2011 FR_{67} 3 17.1 41°.51 3°.1/13.8 17

2 11	12 9.45	+ 6 31.6	1.868	2.710	13.1	21.3
2 21	12 5.44	+ 7 37.7	1.795	2.710	9.7	21.1
3 2	11 59.37	+ 8 52.2	1.747	2.711	6.0	20.9
3 12	11 51.91	+10 8.0	1.726	2.712	3.2	20.7
3 22	11 43.95	+11 17.1	1.733	2.713	4.8	20.8
4 1	11 36.47	+12 12.6	1.767	2.714	8.4	21.0
4 11	11 30.36	+12 49.7	1.827	2.715	12.0	21.2
4 21	11 26.22	+13 7.0	1.908	2.716	15.1	21.4

358516 2007 RL_{295} 3 17.1 288°.90 0°.3/17.4 17

2 11	12 11.28	− 2 21.4	1.480	2.309	16.6	21.1
2 21	12 7.65	− 1 54.8	1.382	2.287	12.9	20.8
3 2	12 1.24	− 1 8.5	1.305	2.264	8.3	20.4
3 12	11 52.71	− 0 6.6	1.252	2.242	3.0	20.0
3 22	11 43.09	+ 1 4.0	1.226	2.220	2.6	20.0
4 1	11 33.76	+ 2 13.9	1.226	2.197	8.2	20.2
4 11	11 26.04	+ 3 13.6	1.250	2.175	13.5	20.5
4 21	11 20.90	+ 3 56.4	1.295	2.152	18.1	20.7

501955 2014 YF_{8} 3 17.1 355°.81 4°.0/13.2 17

2 11	12 11.61	+10 4.5	1.873	2.716	13.0	21.5
2 21	12 7.06	+10 58.8	1.802	2.716	9.7	21.3
3 2	12 0.37	+11 57.7	1.754	2.716	6.3	21.1
3 12	11 52.26	+12 53.9	1.734	2.716	4.1	20.9
3 22	11 43.64	+13 40.3	1.742	2.716	5.6	21.0
4 1	11 35.54	+14 11.1	1.777	2.716	8.9	21.2
4 11	11 28.88	+14 23.1	1.837	2.716	12.4	21.4
4 21	11 24.26	+14 15.9	1.917	2.716	15.4	21.6

200831 2001 XL_{234} 3 17.1 48°.14 5°.0/13.5 18

2 11	12 15.42	+10 28.3	1.357	2.211	16.4	19.9
2 21	12 10.57	+11 19.5	1.296	2.215	12.3	19.6
3 2	12 2.83	+12 15.6	1.256	2.219	8.0	19.4
3 12	11 53.14	+13 7.1	1.241	2.224	5.1	19.2
3 22	11 42.82	+13 44.8	1.252	2.229	6.8	19.3
4 1	11 33.33	+14 1.8	1.288	2.233	11.0	19.6
4 11	11 25.91	+13 55.4	1.347	2.239	15.2	19.8
4 21	11 21.27	+13 26.5	1.425	2.244	18.8	20.1

27881 1996 EC_{1} 3 17.1 300°.88 0°.4/16.8 18

2 11	12 11.72	+ 0 6.3	1.636	2.465	15.3	18.7
2 21	12 7.51	+ 0 29.5	1.552	2.459	11.6	18.4
3 2	12 0.87	+ 1 7.0	1.491	2.452	7.2	18.1
3 12	11 52.49	+ 1 53.9	1.456	2.446	2.4	17.8
3 22	11 43.40	+ 2 43.7	1.447	2.440	2.6	17.8
4 1	11 34.77	+ 3 29.2	1.466	2.434	7.5	18.1
4 11	11 27.71	+ 4 4.0	1.510	2.428	12.0	18.3
4 21	11 22.95	+ 4 23.9	1.575	2.422	15.9	18.6

6307 Maiztegui 3 17.1 132°.40 6°.9/ 9.2 18

2 11	12 11.97	+17 39.1	1.936	2.783	12.5	16.3
2 21	12 7.26	+19 22.3	1.883	2.792	9.7	16.1
3 2	12 0.45	+21 3.7	1.855	2.801	7.5	16.0
3 12	11 52.28	+22 33.3	1.855	2.809	7.0	16.0
3 22	11 43.67	+23 43.0	1.881	2.817	8.6	16.1
4 1	11 35.65	+24 27.5	1.934	2.824	11.2	16.3
4 11	11 29.11	+24 45.2	2.010	2.831	13.8	16.5
4 21	11 24.61	+24 38.0	2.105	2.838	16.2	16.7

381260 Ouellette 3 17.1 129°.27 4°.4/11.4 18

2 11	12 9.91	+13 47.8	2.438	3.277	10.6	21.0
2 21	12 5.29	+14 57.4	2.377	3.286	7.9	20.8
3 2	11 59.05	+16 7.7	2.341	3.296	5.5	20.7
3 12	11 51.77	+17 12.2	2.334	3.304	4.4	20.6
3 22	11 44.17	+18 5.2	2.357	3.313	5.7	20.7
4 1	11 37.00	+18 42.4	2.407	3.321	8.2	20.9
4 11	11 30.95	+19 1.6	2.483	3.329	10.7	21.1
4 21	11 26.49	+19 2.9	2.580	3.337	12.9	21.2

122339 2000 QG_{36} 3 17.1 216°.23 1°.1/18.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 11.95	− 4 53.8	2.546	3.333	11.7	21.4
2 21	12 6.91	− 4 32.4	2.443	3.323	9.1	21.2
3 2	12 0.15	− 3 58.2	2.365	3.312	6.0	20.9
3 12	11 52.20	− 3 13.5	2.315	3.301	2.6	20.7
3 22	11 43.72	− 2 22.3	2.296	3.289	1.7	20.6
4 1	11 35.50	− 1 29.3	2.307	3.276	5.1	20.8
4 11	11 28.27	− 0 39.7	2.346	3.262	8.4	21.0
4 21	11 22.59	+ 0 2.3	2.411	3.248	11.4	21.2

378708 2008 PD_{13} 3 17.1 239°.62 4°.1/20.9 17

2 11	12 13.68	−11 41.6	2.215	2.976	14.1	21.7
2 21	12 8.55	−12 4.0	2.111	2.965	11.5	21.5
3 2	12 1.36	−12 9.9	2.029	2.953	8.4	21.3
3 12	11 52.66	−11 59.1	1.974	2.940	5.5	21.1
3 22	11 43.26	−11 33.3	1.946	2.927	4.2	21.0
4 1	11 34.09	−10 56.6	1.948	2.914	6.1	21.0
4 11	11 26.09	−10 14.4	1.977	2.901	9.3	21.2
4 21	11 19.94	− 9 32.8	2.030	2.887	12.5	21.4

520026 2013 VB_{27} 3 17.1 208°.38 1°.6/15.3 17

2 11	12 10.16	+ 2 58.9	2.182	3.007	12.1	22.1
2 21	12 5.75	+ 3 51.2	2.097	3.003	9.0	21.9
3 2	11 59.49	+ 4 53.5	2.037	2.999	5.5	21.7
3 12	11 51.98	+ 6 0.6	2.005	2.994	2.1	21.4
3 22	11 43.97	+ 7 6.2	2.002	2.990	3.1	21.5
4 1	11 36.32	+ 8 4.0	2.028	2.984	6.8	21.7
4 11	11 29.84	+ 8 49.2	2.081	2.979	10.3	21.9
4 21	11 25.09	+ 9 18.9	2.158	2.973	13.3	22.1

80175 1999 UP_{26} 3 17.1 126°.77 1°.1/17.9 18

2 11	12 16.96	− 3 33.8	1.534	2.347	16.9	20.8
2 21	12 11.43	− 3 17.9	1.464	2.359	13.0	20.6
3 2	12 3.25	− 2 44.2	1.417	2.371	8.4	20.3
3 12	11 53.30	− 1 57.0	1.395	2.383	3.3	20.0
3 22	11 42.75	− 1 2.7	1.400	2.394	2.4	20.0
4 1	11 32.93	− 0 9.2	1.433	2.404	7.3	20.3
4 11	11 24.98	+ 0 36.2	1.492	2.414	11.9	20.6
4 21	11 19.58	+ 1 8.4	1.572	2.423	15.8	20.9

41662 2000 TB 3 17.1 114°.93 1°.9/15.4 18

2 11	12 15.38	+ 3 32.3	1.750	2.578	14.5	19.4
2 21	12 9.84	+ 4 19.5	1.688	2.595	10.8	19.2
3 2	12 2.06	+ 5 16.7	1.650	2.612	6.5	19.0
3 12	11 52.84	+ 6 17.4	1.639	2.629	2.5	18.7
3 22	11 43.21	+ 7 14.3	1.657	2.644	3.6	18.9
4 1	11 34.28	+ 8 0.6	1.703	2.660	7.8	19.1
4 11	11 26.99	+ 8 31.8	1.775	2.674	11.6	19.4
4 21	11 21.92	+ 8 46.0	1.869	2.689	14.9	19.6

326394 2001 QS_{327} 3 17.1 186°.65 2°.8/20.3 16

2 11	12 10.08	−10 54.3	2.133	2.907	14.1	21.8
2 21	12 5.77	−10 22.7	2.041	2.907	11.2	21.6
3 2	11 59.55	− 9 30.7	1.971	2.906	7.9	21.3
3 12	11 52.01	− 8 20.7	1.928	2.905	4.4	21.1
3 22	11 43.95	− 6 57.7	1.914	2.903	2.9	21.0
4 1	11 36.26	− 5 28.6	1.929	2.901	5.6	21.2
4 11	11 29.78	− 4 1.2	1.972	2.899	9.2	21.4
4 21	11 25.10	− 2 42.4	2.040	2.896	12.5	21.6

66319 1999 JQ_{51} 3 17.1 357°.91 4°.0/20.5 18

2 11	12 9.62	−10 54.4	1.405	2.209	18.7	18.4
2 21	12 6.31	−10 47.2	1.325	2.208	15.0	18.2
3 2	12 0.30	−10 12.7	1.266	2.207	10.7	17.9
3 12	11 52.35	− 9 12.7	1.229	2.206	6.2	17.6
3 22	11 43.61	− 7 52.9	1.217	2.206	4.1	17.5
4 1	11 35.43	− 6 23.0	1.231	2.207	7.5	17.7
4 11	11 29.03	− 4 54.6	1.269	2.207	12.1	18.0
4 21	11 25.20	− 3 37.2	1.329	2.208	16.3	18.2

406423 2007 TN_{179} 3 17.1 195°.79 4°.1/12.7 17

2 11	12 14.66	+10 31.7	2.117	2.949	12.2	22.1
2 21	12 9.19	+11 40.3	2.038	2.947	9.1	21.9
3 2	12 1.66	+12 53.6	1.984	2.943	6.0	21.7
3 12	11 52.74	+14 4.3	1.960	2.938	4.1	21.6
3 22	11 43.27	+15 5.1	1.964	2.933	5.6	21.7
4 1	11 34.24	+15 50.1	1.997	2.926	8.7	21.8
4 11	11 26.53	+16 15.9	2.056	2.919	11.9	22.0
4 21	11 20.76	+16 22.0	2.137	2.911	14.8	22.2

407809 2012 AC_{4} 3 17.1 150°.16 4°.3/12.9 18

2 11	12 13.44	+ 9 31.6	1.811	2.652	13.5	21.5
2 21	12 8.46	+10 45.7	1.745	2.658	10.1	21.3
3 2	12 1.26	+12 5.4	1.704	2.665	6.5	21.1
3 12	11 52.60	+13 22.5	1.690	2.671	4.3	21.0
3 22	11 43.44	+14 28.5	1.704	2.676	5.9	21.1
4 1	11 34.87	+15 16.8	1.746	2.681	9.4	21.3
4 11	11 27.84	+15 43.7	1.813	2.685	12.8	21.5
4 21	11 22.95	+15 49.0	1.900	2.689	15.8	21.7

358552 2007 TG_{162} 3 17.1 244°.14 0°.2/17.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 13.08	− 2 19.5	1.840	2.652	14.6	21.9
2 21	12 8.44	− 1 43.4	1.740	2.636	11.2	21.6
3 2	12 1.46	− 0 50.7	1.663	2.620	7.1	21.3
3 12	11 52.75	+ 0 14.7	1.613	2.602	2.5	21.0
3 22	11 43.21	+ 1 26.3	1.591	2.584	2.3	20.9
4 1	11 33.97	+ 2 36.3	1.598	2.565	7.1	21.2
4 11	11 26.09	+ 3 37.2	1.631	2.546	11.5	21.4
4 21	11 20.36	+ 4 23.5	1.687	2.526	15.4	21.6

271210 2003 SW_{410} 3 17.1 5°.18 1°.0/18.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 8.94	− 4 23.9	1.881	2.692	14.3	20.7
2 21	12 5.10	− 3 57.7	1.798	2.692	11.0	20.5
3 2	11 59.21	− 3 15.0	1.739	2.693	7.1	20.3
3 12	11 51.91	− 2 19.5	1.705	2.693	3.0	20.0
3 22	11 44.07	− 1 17.0	1.700	2.693	2.0	19.9
4 1	11 36.66	− 0 14.3	1.722	2.694	6.2	20.2
4 11	11 30.59	+ 0 41.8	1.771	2.695	10.2	20.4
4 21	11 26.45	+ 1 26.2	1.843	2.696	13.7	20.7

177170 2003 SL_{145} 3 17.1 160°.34 3°.0/19.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 14.53	− 8 49.3	1.902	2.685	15.3	20.8
2 21	12 9.29	− 8 50.2	1.818	2.690	12.1	20.6
3 2	12 1.82	− 8 32.7	1.757	2.695	8.4	20.4
3 12	11 52.82	− 7 58.5	1.721	2.699	4.7	20.1
3 22	11 43.21	− 7 11.5	1.714	2.703	3.2	20.0
4 1	11 34.08	− 6 17.7	1.735	2.706	6.2	20.2
4 11	11 26.40	− 5 24.2	1.783	2.709	10.0	20.5
4 21	11 20.84	− 4 37.0	1.855	2.711	13.5	20.7

228368 2000 WK_{10} 3 17.1 310°.31 21°.8/27.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 47.11	+26 18.1	0.913	1.747	24.1	20.5
2 21	12 43.15	+30 31.1	0.778	1.663	22.3	20.0
3 2	12 31.01	+35 49.1	0.662	1.573	22.0	19.5
3 12	12 6.71	+41 54.4	0.568	1.477	25.3	19.2
3 22	11 25.18	+47 53.0	0.498	1.374	33.3	19.0
4 1	10 23.85	+52 6.6	0.450	1.264	45.2	18.9
4 11	9 9.79	+53 1.9	0.419	1.147	59.6	18.9
4 21	7 56.70	+50 19.1	0.397	1.022	76.4	19.1

48589 1994 RW_{17} 3 17.1 281°.55 0°.5/17.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 11.51	− 2 26.7	1.659	2.480	15.5	19.7
2 21	12 7.46	− 2 5.9	1.565	2.465	11.9	19.5
3 2	12 0.94	− 1 28.2	1.493	2.450	7.7	19.2
3 12	11 52.59	− 0 37.4	1.446	2.435	2.9	18.8
3 22	11 43.38	+ 0 20.4	1.426	2.420	2.3	18.8
4 1	11 34.52	+ 1 17.7	1.434	2.404	7.3	19.0
4 11	11 27.16	+ 2 6.8	1.466	2.389	12.0	19.2
4 21	11 22.10	+ 2 42.2	1.521	2.374	16.1	19.5

193661 2001 DH_{56} 3 17.1 173°.45 1°.1/15.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 9.98	+ 1 40.8	2.271	3.091	11.9	20.8
2 21	12 5.50	+ 2 26.8	2.190	3.093	8.9	20.6
3 2	11 59.29	+ 3 22.9	2.133	3.094	5.4	20.3
3 12	11 51.91	+ 4 24.2	2.105	3.095	1.9	20.1
3 22	11 44.10	+ 5 25.3	2.107	3.096	2.6	20.2
4 1	11 36.67	+ 6 20.2	2.137	3.097	6.2	20.4
4 11	11 30.36	+ 7 4.3	2.195	3.097	9.6	20.6
4 21	11 25.72	+ 7 34.7	2.277	3.097	12.6	20.8

222349 2000 WR_{97} 3 17.1 105°.35 3°.2/20.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 12.46	−11 26.3	2.287	3.049	13.6	20.6
2 21	12 7.25	−11 15.5	2.216	3.073	10.8	20.4
3 2	12 0.29	−10 47.2	2.168	3.096	7.7	20.3
3 12	11 52.22	−10 3.4	2.147	3.119	4.6	20.1
3 22	11 43.83	− 9 7.8	2.155	3.141	3.2	20.1
4 1	11 35.95	− 8 6.1	2.192	3.162	5.2	20.2
4 11	11 29.30	− 7 4.3	2.258	3.183	8.3	20.5
4 21	11 24.38	− 6 7.7	2.349	3.203	11.1	20.7

15647 4556 P–L 3 17.1 152°.86 1°.0/15.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 10.21	+ 2 30.0	2.546	3.362	10.9	19.0
2 21	12 5.46	+ 3 3.7	2.467	3.368	8.1	18.9
3 2	11 59.16	+ 3 45.1	2.413	3.373	4.9	18.7
3 12	11 51.85	+ 4 30.3	2.389	3.379	1.7	18.4
3 22	11 44.17	+ 5 14.8	2.394	3.383	2.3	18.5
4 1	11 36.86	+ 5 54.1	2.429	3.388	5.6	18.7
4 11	11 30.58	+ 6 24.4	2.492	3.392	8.7	18.9
4 21	11 25.80	+ 6 43.6	2.579	3.396	11.3	19.1

330051 2005 UE_{365} 3 17.1 71°.75 1°.6/18.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 8.94	− 6 42.4	1.811	2.616	15.1	21.3
2 21	12 5.17	− 6 6.6	1.729	2.618	11.7	21.1
3 2	11 59.28	− 5 10.9	1.670	2.620	7.7	20.9
3 12	11 51.95	− 3 59.3	1.637	2.622	3.5	20.6
3 22	11 44.06	− 2 38.1	1.631	2.624	2.2	20.5
4 1	11 36.63	− 1 15.5	1.654	2.627	6.3	20.8
4 11	11 30.58	+ 0 0.4	1.702	2.629	10.4	21.0
4 21	11 26.55	+ 1 3.4	1.775	2.631	14.0	21.2

109370 2001 QU_{159} 3 17.1 90°.62 0°.7/17.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 14.21	− 3 1.2	1.866	2.674	14.6	19.9
2 21	12 8.81	− 2 38.3	1.805	2.697	11.1	19.7
3 2	12 1.36	− 2 1.2	1.766	2.721	7.0	19.5
3 12	11 52.60	− 1 14.0	1.755	2.743	2.7	19.3
3 22	11 43.50	− 0 22.5	1.773	2.766	2.0	19.3
4 1	11 35.06	+ 0 27.1	1.819	2.788	6.2	19.6
4 11	11 28.14	+ 1 9.1	1.892	2.810	10.0	19.9
4 21	11 23.29	+ 1 39.6	1.988	2.831	13.2	20.1

495498 2014 UW_{153} 3 17.1 192°.85 3°.2/13.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 14.04	+ 7 44.5	2.083	2.913	12.4	21.8
2 21	12 8.74	+ 8 44.8	2.002	2.911	9.3	21.5
3 2	12 1.40	+ 9 51.7	1.948	2.909	5.8	21.3
3 12	11 52.66	+10 58.6	1.921	2.905	3.3	21.2
3 22	11 43.39	+11 58.7	1.924	2.901	4.7	21.2
4 1	11 34.56	+12 45.8	1.955	2.896	8.1	21.4
4 11	11 27.04	+13 15.9	2.013	2.891	11.5	21.6
4 21	11 21.46	+13 27.6	2.093	2.884	14.5	21.8

269210 2008 KU_{21} 3 17.1 190°.39 1°.2/15.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 10.89	+ 1 41.8	2.219	3.038	12.2	21.8
2 21	12 6.26	+ 2 32.1	2.134	3.037	9.1	21.6
3 2	11 59.80	+ 3 33.2	2.075	3.035	5.6	21.3
3 12	11 52.11	+ 4 39.9	2.043	3.033	1.9	21.1
3 22	11 43.93	+ 5 46.4	2.041	3.031	2.7	21.1
4 1	11 36.13	+ 6 46.3	2.069	3.028	6.5	21.4
4 11	11 29.49	+ 7 34.6	2.124	3.024	10.0	21.6
4 21	11 24.57	+ 8 8.4	2.203	3.020	13.0	21.8

6642 Henze 3 17.1 57°.68 1°.3/15.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 11.51	+ 3 13.5	2.009	2.836	12.9	16.9
2 21	12 6.64	+ 3 43.8	1.954	2.861	9.6	16.8
3 2	11 59.93	+ 4 22.2	1.923	2.885	5.8	16.6
3 12	11 52.10	+ 5 3.7	1.920	2.910	2.0	16.4
3 22	11 44.00	+ 5 42.9	1.945	2.934	2.8	16.5
4 1	11 36.50	+ 6 14.9	1.998	2.959	6.5	16.8
4 11	11 30.37	+ 6 35.8	2.078	2.983	9.9	17.0
4 21	11 26.09	+ 6 43.9	2.181	3.008	12.8	17.2

491738 2012 VF_{28} 3 17.1 292°.92 3°.4/20.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 8.39	−11 40.0	2.233	3.003	13.7	21.5
2 21	12 4.45	−11 32.9	2.141	3.002	11.0	21.3
3 2	11 58.71	−11 7.6	2.072	3.001	7.9	21.1
3 12	11 51.74	−10 25.3	2.029	3.000	4.9	20.9
3 22	11 44.28	− 9 29.6	2.014	2.999	3.4	20.8
4 1	11 37.15	− 8 25.7	2.027	2.999	5.5	21.0
4 11	11 31.14	− 7 20.2	2.068	2.998	8.6	21.2
4 21	11 26.82	− 6 19.1	2.134	2.997	11.7	21.3

461515 2003 SJ_{65} 3 17.1 116°.73 2°.7/20.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 12.91	−11 19.5	2.000	2.771	15.0	22.2
2 21	12 7.81	−10 36.8	1.928	2.793	11.9	22.0
3 2	12 0.73	− 9 32.7	1.880	2.815	8.2	21.8
3 12	11 52.40	− 8 10.5	1.858	2.835	4.5	21.6
3 22	11 43.71	− 6 36.6	1.865	2.855	2.8	21.5
4 1	11 35.60	− 4 59.0	1.903	2.875	5.7	21.7
4 11	11 28.90	− 3 26.0	1.968	2.893	9.3	22.0
4 21	11 24.14	− 2 4.2	2.059	2.911	12.5	22.2

302142 2001 SF_{11} 3 17.1 118°.63 2°.4/19.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 16.14	− 6 43.7	1.610	2.410	16.9	21.3
2 21	12 10.73	− 6 39.3	1.539	2.423	13.2	21.1
3 2	12 2.80	− 6 15.4	1.490	2.436	8.8	20.9
3 12	11 53.17	− 5 34.8	1.466	2.449	4.3	20.7
3 22	11 42.97	− 4 43.0	1.469	2.461	2.8	20.6
4 1	11 33.44	− 3 47.2	1.500	2.473	6.8	20.9
4 11	11 25.69	− 2 55.4	1.558	2.484	11.1	21.1
4 21	11 20.38	− 2 13.4	1.637	2.495	14.9	21.4

104691 2000 GV_{158} 3 17.1 40°.27 1°.4/15.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 9.31	+ 2 37.1	1.975	2.806	13.0	19.4
2 21	12 5.23	+ 3 19.1	1.900	2.809	9.7	19.2
3 2	11 59.22	+ 4 11.4	1.850	2.812	5.9	18.9
3 12	11 51.91	+ 5 8.6	1.826	2.816	2.1	18.7
3 22	11 44.15	+ 6 4.3	1.831	2.820	3.0	18.8
4 1	11 36.84	+ 6 52.6	1.863	2.824	6.9	19.0
4 11	11 30.82	+ 7 28.3	1.922	2.828	10.6	19.2
4 21	11 26.66	+ 7 49.0	2.003	2.832	13.7	19.5

297931 2002 ER_{95} 3 17.1 112°.66 0°.6/16.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 18.05	+ 1 24.5	1.651	2.472	15.6	20.5
2 21	12 12.02	+ 1 37.4	1.584	2.487	11.7	20.3
3 2	12 3.52	+ 2 1.7	1.541	2.501	7.2	20.1
3 12	11 53.40	+ 2 32.5	1.524	2.514	2.4	19.8
3 22	11 42.78	+ 3 4.0	1.535	2.528	2.7	19.8
4 1	11 32.90	+ 3 30.3	1.575	2.540	7.4	20.1
4 11	11 24.80	+ 3 46.6	1.640	2.553	11.6	20.4
4 21	11 19.14	+ 3 50.2	1.728	2.565	15.2	20.7

110164 2001 SO_{164} 3 17.1 95°.55 1°.3/15.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 14.58	+ 3 6.5	1.887	2.711	13.8	19.5
2 21	12 9.10	+ 3 37.1	1.825	2.730	10.2	19.3
3 2	12 1.54	+ 4 16.7	1.788	2.749	6.2	19.1
3 12	11 52.68	+ 5 0.0	1.778	2.768	2.2	18.9
3 22	11 43.47	+ 5 41.2	1.796	2.786	3.0	19.0
4 1	11 34.90	+ 6 14.6	1.843	2.803	7.0	19.3
4 11	11 27.84	+ 6 36.2	1.917	2.821	10.7	19.5
4 21	11 22.84	+ 6 44.1	2.013	2.838	13.8	19.8

18286 Kneipp 3 17.1 38°.11 2°.2/15.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 12.89	+ 3 58.9	1.262	2.114	17.5	18.2
2 21	12 8.72	+ 4 32.5	1.207	2.126	13.1	17.9
3 2	12 1.70	+ 5 18.3	1.172	2.138	8.0	17.7
3 12	11 52.80	+ 6 8.3	1.161	2.151	3.0	17.4
3 22	11 43.36	+ 6 53.8	1.176	2.165	4.3	17.5
4 1	11 34.80	+ 7 26.8	1.216	2.180	9.3	17.8
4 11	11 28.33	+ 7 42.1	1.278	2.195	13.9	18.1
4 21	11 24.60	+ 7 38.1	1.361	2.210	17.8	18.4

419164 2009 SU_{359} 3 17.1 146°.68 1°.3/18.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 9.68	− 7 6.9	2.245	3.034	13.0	21.3
2 21	12 5.29	− 6 18.0	2.162	3.043	10.1	21.1
3 2	11 59.16	− 5 12.2	2.104	3.051	6.6	20.9
3 12	11 51.88	− 3 53.0	2.073	3.058	3.0	20.7
3 22	11 44.19	− 2 26.5	2.072	3.066	1.8	20.6
4 1	11 36.91	− 0 59.4	2.101	3.072	5.4	20.9
4 11	11 30.79	+ 0 21.4	2.159	3.078	8.9	21.1
4 21	11 26.33	+ 1 30.6	2.241	3.084	11.9	21.3

5144 Achates 3 17.1 275°.31 1°.2/19.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 3.24	− 6 39.3	4.730	5.500	6.9	16.6
2 21	11 59.75	− 6 32.0	4.614	5.481	5.4	16.5
3 2	11 55.43	− 6 17.6	4.524	5.462	3.7	16.3
3 12	11 50.56	− 5 57.3	4.463	5.443	1.9	16.2
3 22	11 45.44	− 5 32.8	4.433	5.423	1.3	16.1
4 1	11 40.44	− 5 5.9	4.434	5.404	2.8	16.2
4 11	11 35.88	− 4 39.0	4.464	5.384	4.6	16.3
4 21	11 32.04	− 4 14.0	4.522	5.364	6.4	16.4

500577 2012 UR_{82} 3 17.1 134°.56 3°.3/21.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 9.46	−11 52.8	2.530	3.290	12.5	21.1
2 21	12 5.01	−11 54.0	2.442	3.295	10.1	21.0
3 2	11 58.95	−11 39.4	2.377	3.301	7.3	20.8
3 12	11 51.81	−11 10.1	2.338	3.306	4.6	20.6
3 22	11 44.26	−10 28.7	2.328	3.311	3.4	20.6
4 1	11 37.03	− 9 39.6	2.347	3.316	5.0	20.7
4 11	11 30.83	− 8 48.0	2.394	3.320	7.8	20.9
4 21	11 26.15	− 7 58.9	2.467	3.325	10.5	21.0

336501 2008 WJ_{71} 3 17.1 110°.94 1°.6/18.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 9.20	− 6 22.7	2.102	2.899	13.5	21.4
2 21	12 5.07	− 5 56.1	2.021	2.905	10.5	21.2
3 2	11 59.09	− 5 13.2	1.962	2.910	7.0	21.0
3 12	11 51.88	− 4 17.2	1.930	2.915	3.2	20.8
3 22	11 44.21	− 3 13.1	1.927	2.920	2.0	20.7
4 1	11 36.95	− 2 7.2	1.953	2.925	5.5	20.9
4 11	11 30.90	− 1 6.0	2.006	2.930	9.2	21.2
4 21	11 26.62	− 0 14.5	2.083	2.935	12.4	21.4

306258 2011 RG_{3} 3 17.1 28°.05 0°.2/16.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 6.68	− 1 49.1	2.237	3.053	12.2	20.4
2 21	12 3.09	− 0 59.7	2.155	3.054	9.2	20.2
3 2	11 57.82	+ 0 2.8	2.098	3.056	5.7	20.0
3 12	11 51.43	+ 1 14.0	2.068	3.058	1.9	19.7
3 22	11 44.63	+ 2 27.8	2.068	3.060	2.0	19.7
4 1	11 38.19	+ 3 38.1	2.096	3.063	5.8	20.0
4 11	11 32.84	+ 4 39.1	2.152	3.065	9.2	20.2
4 21	11 29.08	+ 5 26.9	2.232	3.067	12.3	20.4

192834 1999 VZ_{117} 3 17.1 346°.61 2°.8/20.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 6.67	−11 19.2	1.841	2.629	15.5	19.8
2 21	12 3.50	−10 37.0	1.753	2.627	12.4	19.6
3 2	11 58.28	− 9 30.4	1.687	2.626	8.7	19.3
3 12	11 51.64	− 8 2.5	1.646	2.624	4.8	19.1
3 22	11 44.44	− 6 19.4	1.632	2.623	3.0	19.0
4 1	11 37.64	− 4 30.2	1.647	2.622	6.1	19.1
4 11	11 32.17	− 2 44.8	1.689	2.621	10.0	19.4
4 21	11 28.64	− 1 11.3	1.754	2.620	13.7	19.6

239887 2000 QU_{163} 3 17.1 210°.22 0°.5/16.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 11.17	− 2 32.7	1.818	2.634	14.6	21.2
2 21	12 6.93	− 1 22.8	1.729	2.628	11.0	21.0
3 2	12 0.45	+ 0 6.1	1.664	2.623	6.9	20.7
3 12	11 52.41	+ 1 48.0	1.626	2.616	2.3	20.4
3 22	11 43.70	+ 3 34.4	1.617	2.609	2.6	20.4
4 1	11 35.40	+ 5 15.5	1.637	2.601	7.3	20.7
4 11	11 28.49	+ 6 42.7	1.684	2.593	11.6	20.9
4 21	11 23.67	+ 7 50.5	1.754	2.584	15.3	21.1

313004 1999 UM_{44} 3 17.1 102°.23 2°.0/15.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 19.22	+ 5 22.2	1.849	2.671	14.1	21.1
2 21	12 12.51	+ 5 48.1	1.793	2.697	10.5	20.9
3 2	12 3.62	+ 6 20.6	1.761	2.721	6.4	20.7
3 12	11 53.40	+ 6 54.2	1.757	2.746	2.5	20.5
3 22	11 42.88	+ 7 23.2	1.782	2.769	3.5	20.6
4 1	11 33.14	+ 7 42.9	1.836	2.792	7.4	20.9
4 11	11 25.11	+ 7 49.9	1.917	2.814	11.1	21.1
4 21	11 19.30	+ 7 43.6	2.021	2.835	14.1	21.4

473096 2015 HU_{162} 3 17.1 276°.43 0°.6/17.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 8.20	− 3 13.8	2.314	3.120	12.2	21.7
2 21	12 4.24	− 2 48.0	2.221	3.113	9.3	21.5
3 2	11 58.57	− 2 9.2	2.153	3.107	6.0	21.3
3 12	11 51.72	− 1 20.8	2.112	3.100	2.3	21.0
3 22	11 44.38	− 0 27.1	2.100	3.093	1.7	21.0
4 1	11 37.35	+ 0 26.3	2.117	3.087	5.4	21.2
4 11	11 31.37	+ 1 14.2	2.161	3.080	8.9	21.4
4 21	11 26.99	+ 1 52.6	2.230	3.073	12.0	21.6

197649 2004 MT 3 17.1 305°.99 0°.1/17.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 10.03	− 2 26.9	1.297	2.136	18.0	20.1
2 21	12 6.87	− 1 45.3	1.216	2.127	13.8	19.9
3 2	12 0.81	− 0 40.9	1.156	2.118	8.7	19.5
3 12	11 52.62	+ 0 40.2	1.119	2.110	3.0	19.2
3 22	11 43.50	+ 2 8.8	1.108	2.101	2.9	19.1
4 1	11 34.90	+ 3 33.0	1.122	2.093	8.8	19.5
4 11	11 28.19	+ 4 42.5	1.159	2.086	14.1	19.7
4 21	11 24.22	+ 5 30.6	1.216	2.078	18.7	20.0

503239 2015 HO_{152} 3 17.1 356°.74 6°.1/11.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 14.51	+19 10.6	2.102	2.940	12.0	20.2
2 21	12 9.04	+19 51.6	2.035	2.939	9.4	20.0
3 2	12 1.54	+20 28.2	1.994	2.939	7.1	19.9
3 12	11 52.72	+20 53.6	1.979	2.938	6.2	19.8
3 22	11 43.49	+21 2.4	1.992	2.938	7.4	19.9
4 1	11 34.83	+20 51.6	2.031	2.938	9.9	20.0
4 11	11 27.60	+20 20.6	2.095	2.938	12.6	20.2
4 21	11 22.37	+19 31.4	2.180	2.938	15.0	20.4

438874 2009 HY_{71} 3 17.1 295°.98 1°.7/19.4 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 6.67	− 9 31.5	2.359	3.140	12.7	21.2
2 21	12 3.28	− 8 33.4	2.233	3.107	10.1	21.0
3 2	11 58.10	− 7 13.8	2.131	3.073	6.9	20.7
3 12	11 51.61	− 5 35.3	2.056	3.039	3.4	20.4
3 22	11 44.45	− 3 43.0	2.012	3.004	2.0	20.2
4 1	11 37.41	− 1 44.4	1.998	2.970	5.4	20.4
4 11	11 31.30	+ 0 11.7	2.012	2.935	9.2	20.6
4 21	11 26.75	+ 1 57.7	2.053	2.900	12.7	20.7

436746 2011 WV_{23} 3 17.1 252°.00 8°.0/29.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 8.78	−31 22.9	2.951	3.565	13.7	21.3
2 21	12 4.65	−31 46.0	2.835	3.550	12.4	21.2
3 2	11 58.85	−31 47.1	2.736	3.534	10.8	21.0
3 12	11 51.84	−31 24.1	2.659	3.519	9.4	20.9
3 22	11 44.28	−30 36.4	2.607	3.502	8.3	20.8
4 1	11 36.92	−29 26.4	2.580	3.486	8.1	20.7
4 11	11 30.48	−27 58.9	2.580	3.469	8.9	20.8
4 21	11 25.55	−26 20.5	2.606	3.452	10.4	20.8

138624 2000 QX_{226} 3 17.1 232°.31 3°.6/21.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 8.82	−13 22.0	2.651	3.401	12.3	20.7
2 21	12 4.58	−13 20.1	2.547	3.393	10.0	20.5
3 2	11 58.74	−13 1.8	2.466	3.384	7.4	20.3
3 12	11 51.79	−12 27.8	2.411	3.375	4.9	20.2
3 22	11 44.35	−11 40.6	2.385	3.365	3.6	20.1
4 1	11 37.15	−10 44.2	2.388	3.356	5.1	20.1
4 11	11 30.88	− 9 44.0	2.420	3.346	7.7	20.3
4 21	11 26.06	− 8 45.3	2.477	3.335	10.4	20.4

176995 2003 AZ_{15} 3 17.1 234°.51 5°.1/10.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 9.50	+15 16.2	2.316	3.159	10.9	20.1
2 21	12 5.20	+16 27.0	2.245	3.156	8.3	19.9
3 2	11 59.14	+17 38.1	2.200	3.152	6.0	19.8
3 12	11 51.91	+18 42.6	2.183	3.149	5.1	19.7
3 22	11 44.27	+19 34.3	2.194	3.146	6.5	19.8
4 1	11 37.01	+20 8.4	2.233	3.142	9.0	19.9
4 11	11 30.90	+20 22.8	2.296	3.139	11.6	20.1
4 21	11 26.47	+20 17.6	2.381	3.135	14.0	20.3

386522 2009 BD_{154} 3 17.1 120°.87 1°.9/19.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 11.59	− 6 21.2	2.420	3.204	12.3	22.1
2 21	12 6.61	− 6 19.6	2.339	3.214	9.6	21.9
3 2	11 59.94	− 6 5.0	2.282	3.224	6.5	21.7
3 12	11 52.18	− 5 39.5	2.252	3.234	3.3	21.5
3 22	11 44.02	− 5 6.3	2.252	3.243	2.2	21.5
4 1	11 36.26	− 4 29.8	2.281	3.252	5.0	21.7
4 11	11 29.60	− 3 54.6	2.339	3.261	8.1	21.9
4 21	11 24.55	− 3 24.6	2.422	3.270	11.0	22.1

241574 1995 SH_{17} 3 17.1 308.°37 0.°2/16.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 7.29	− 2 16.1	1.685	2.513	15.0	20.5
2 21	12 4.24	− 1 25.1	1.592	2.497	11.4	20.2
3 2	11 58.91	− 0 15.0	1.521	2.482	7.2	19.9
3 12	11 51.93	+ 1 9.0	1.476	2.467	2.5	19.6
3 22	11 44.20	+ 2 39.0	1.459	2.452	2.6	19.5
4 1	11 36.82	+ 4 5.7	1.469	2.437	7.5	19.8
4 11	11 30.82	+ 5 20.3	1.504	2.423	12.0	20.0
4 21	11 26.96	+ 6 16.8	1.560	2.409	15.9	20.2

140962 2001 VB_{107} 3 17.1 56.°59 3.°6/13.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 11.87	+11 22.9	2.247	3.083	11.4	19.9
2 21	12 6.93	+11 59.4	2.175	3.086	8.5	19.7
3 2	12 0.19	+12 37.9	2.128	3.088	5.6	19.5
3 12	11 52.27	+13 12.7	2.110	3.090	3.6	19.4
3 22	11 43.95	+13 38.7	2.120	3.092	4.9	19.5
4 1	11 36.10	+13 52.0	2.158	3.094	7.7	19.7
4 11	11 29.46	+13 50.3	2.222	3.097	10.7	19.9
4 21	11 24.58	+13 33.5	2.308	3.099	13.3	20.0

374171 2004 VC_{75} 3 17.1 181.°79 4.°2/22.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 9.93	−15 47.2	2.441	3.180	13.5	21.0
2 21	12 5.50	−15 35.4	2.345	3.181	11.1	20.9
3 2	11 59.34	−15 3.7	2.271	3.181	8.4	20.7
3 12	11 52.00	−14 12.9	2.223	3.181	5.7	20.5
3 22	11 44.19	−13 6.1	2.203	3.180	4.2	20.4
4 1	11 36.70	−11 48.4	2.213	3.179	5.5	20.5
4 11	11 30.29	−10 26.7	2.251	3.178	8.2	20.6
4 21	11 25.48	− 9 7.4	2.315	3.175	11.0	20.8

270272 2001 UK_{182} 3 17.1 227.°90 3.°0/19.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 14.57	− 8 22.4	2.152	2.929	13.9	21.6
2 21	12 9.27	− 8 34.2	2.051	2.919	11.1	21.4
3 2	12 1.86	− 8 30.5	1.972	2.909	7.8	21.1
3 12	11 52.93	− 8 12.3	1.921	2.898	4.4	20.9
3 22	11 43.29	− 7 42.3	1.898	2.886	3.1	20.8
4 1	11 33.94	− 7 4.8	1.904	2.874	5.9	21.0
4 11	11 25.79	− 6 25.6	1.938	2.861	9.5	21.1
4 21	11 19.55	− 5 50.0	1.996	2.848	12.8	21.3

469757 2005 QQ_{26} 3 17.1 252.°44 1.°0/15.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 6.95	+ 0 42.1	2.702	3.517	10.4	22.0
2 21	12 3.13	+ 1 45.3	2.600	3.501	7.8	21.7
3 2	11 57.82	+ 2 59.5	2.524	3.485	4.7	21.5
3 12	11 51.48	+ 4 20.3	2.478	3.468	1.6	21.3
3 22	11 44.68	+ 5 42.3	2.462	3.451	2.4	21.3
4 1	11 38.10	+ 6 59.6	2.477	3.434	5.6	21.5
4 11	11 32.36	+ 8 7.2	2.519	3.416	8.7	21.7
4 21	11 27.98	+ 9 1.4	2.587	3.398	11.5	21.8

58508 1996 WA_{2} 3 17.1 115.°14 8.°1/ 8.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 15.90	+23 12.1	1.957	2.794	12.8	19.2
2 21	12 10.20	+24 26.2	1.907	2.803	10.4	19.1
3 2	12 2.29	+25 32.6	1.882	2.812	8.5	19.0
3 12	11 53.00	+26 22.3	1.883	2.821	8.2	19.0
3 22	11 43.34	+26 49.0	1.911	2.830	9.5	19.1
4 1	11 34.39	+26 49.6	1.964	2.838	11.8	19.2
4 11	11 27.08	+26 24.5	2.039	2.846	14.2	19.4
4 21	11 21.96	+25 37.0	2.134	2.854	16.3	19.6

105714 2000 SP_{75} 3 17.2 174.°84 1.°6/14.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 8.32	+ 4 58.1	2.921	3.741	9.5	21.0
2 21	12 3.93	+ 5 44.9	2.839	3.743	7.0	20.9
3 2	11 58.19	+ 6 37.7	2.784	3.745	4.3	20.7
3 12	11 51.58	+ 7 32.2	2.758	3.746	1.8	20.5
3 22	11 44.64	+ 8 24.1	2.763	3.747	2.8	20.6
4 1	11 37.99	+ 9 9.2	2.798	3.748	5.5	20.7
4 11	11 32.20	+ 9 44.4	2.861	3.748	8.2	20.9
4 21	11 27.70	+10 7.7	2.948	3.748	10.5	21.1

33046 1997 UF_{2} 3 17.2 208.°18 1.°4/18.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 13.52	− 5 54.0	2.016	2.809	14.2	19.7
2 21	12 8.55	− 5 22.1	1.920	2.803	11.0	19.4
3 2	12 1.42	− 4 32.5	1.847	2.796	7.3	19.2
3 12	11 52.78	− 3 28.4	1.802	2.787	3.2	18.9
3 22	11 43.48	− 2 15.2	1.785	2.778	2.1	18.8
4 1	11 34.52	− 1 0.1	1.798	2.768	6.1	19.1
4 11	11 26.85	+ 0 9.6	1.839	2.758	10.2	19.3
4 21	11 21.16	+ 1 8.0	1.903	2.746	13.8	19.5

452543 2004 TC_{369} 3 17.2 76.°23 4.°7/21.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 12.29	−14 3.9	1.475	2.257	19.0	21.5
2 21	12 8.01	−13 48.3	1.412	2.278	15.3	21.3
3 2	12 1.17	−13 3.8	1.369	2.298	11.1	21.1
3 12	11 52.67	−11 52.6	1.348	2.319	6.9	20.9
3 22	11 43.66	−10 21.4	1.354	2.339	4.7	20.8
4 1	11 35.42	− 8 40.2	1.386	2.360	7.1	21.0
4 11	11 29.03	− 7 0.6	1.444	2.380	11.1	21.3
4 21	11 25.12	− 5 32.1	1.525	2.400	14.8	21.5

434520 2005 SJ_{174} 3 17.2 272.°05 3.°9/22.4 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 7.17	−16 10.2	2.619	3.357	12.7	21.9
2 21	12 3.47	−15 43.4	2.499	3.335	10.5	21.7
3 2	11 58.13	−14 56.1	2.401	3.312	8.0	21.5
3 12	11 51.62	−13 49.1	2.330	3.289	5.4	21.3
3 22	11 44.57	−12 25.1	2.287	3.265	3.9	21.1
4 1	11 37.69	−10 49.4	2.273	3.242	5.2	21.2
4 11	11 31.71	− 9 9.0	2.289	3.218	8.0	21.3
4 21	11 27.18	− 7 30.8	2.332	3.193	10.9	21.4

347415 2012 SU_{40} 3 17.2 327.°71 1.°3/18.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 8.36	− 5 23.8	2.061	2.865	13.5	21.0
2 21	12 4.55	− 4 56.0	1.974	2.863	10.5	20.8
3 2	11 58.86	− 4 12.0	1.911	2.861	6.9	20.6
3 12	11 51.87	− 3 15.2	1.874	2.860	3.0	20.4
3 22	11 44.37	− 2 10.8	1.865	2.858	1.9	20.3
4 1	11 37.25	− 1 5.2	1.885	2.857	5.7	20.5
4 11	11 31.32	− 0 4.9	1.932	2.856	9.5	20.7
4 21	11 27.17	+ 0 45.0	2.003	2.855	12.8	20.9

1373 Cincinnati 3 17.2 147.°98 9.°8/ 8.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 17.41	−49 21.2	3.977	4.368	12.5	18.4
2 21	12 11.12	−50 29.4	3.889	4.378	12.0	18.4
3 2	12 2.90	−51 17.7	3.814	4.388	11.3	18.3
3 12	11 53.29	−51 42.9	3.756	4.398	10.7	18.3
3 22	11 43.01	−51 43.3	3.715	4.407	10.2	18.2
4 1	11 32.95	−51 19.2	3.695	4.416	9.8	18.2
4 11	11 23.93	−50 33.2	3.696	4.424	9.8	18.2
4 21	11 16.61	−49 29.8	3.717	4.432	10.0	18.2

182605 2001 UM_{47} 3 17.2 194.°88 2.°0/14.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 12.73	+ 5 6.4	2.313	3.136	11.6	21.4
2 21	12 7.60	+ 5 52.7	2.228	3.133	8.7	21.2
3 2	12 0.66	+ 6 46.5	2.169	3.130	5.3	21.0
3 12	11 52.48	+ 7 42.7	2.138	3.126	2.3	20.8
3 22	11 43.83	+ 8 35.5	2.137	3.122	3.4	20.9
4 1	11 35.53	+ 9 19.8	2.166	3.117	6.8	21.1
4 11	11 28.39	+ 9 51.4	2.222	3.111	10.1	21.2
4 21	11 22.96	+10 8.4	2.301	3.105	13.0	21.4

327259 2005 SJ_{120} 3 17.2 338.°04 1.°2/16.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 14.51	+ 3 46.2	1.465	2.305	16.2	19.8
2 21	12 9.94	+ 3 44.7	1.384	2.297	12.3	19.5
3 2	12 2.59	+ 3 52.6	1.326	2.290	7.6	19.3
3 12	11 53.25	+ 4 5.1	1.292	2.283	2.6	18.9
3 22	11 43.09	+ 4 16.7	1.285	2.277	3.3	19.0
4 1	11 33.47	+ 4 21.7	1.304	2.271	8.4	19.2
4 11	11 25.68	+ 4 15.6	1.347	2.266	13.1	19.5
4 21	11 20.51	+ 3 56.1	1.411	2.262	17.2	19.7

392851 2012 UD_{59} 3 17.2 153.°33 2.°3/14.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 11.70	+ 7 41.9	2.568	3.393	10.5	21.2
2 21	12 6.59	+ 8 13.0	2.492	3.398	7.8	21.0
3 2	11 59.91	+ 8 48.1	2.442	3.403	4.8	20.8
3 12	11 52.19	+ 9 22.7	2.421	3.407	2.4	20.6
3 22	11 44.13	+ 9 52.6	2.429	3.411	3.4	20.7
4 1	11 36.46	+10 13.9	2.468	3.415	6.3	20.9
4 11	11 29.84	+10 24.1	2.533	3.418	9.2	21.1
4 21	11 24.76	+10 22.0	2.622	3.421	11.7	21.3

506671 2006 SN_{324} 3 17.2 152.°91 0.°3/17.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 7.42	− 3 16.3	2.554	3.357	11.3	21.8
2 21	12 3.46	− 2 30.5	2.470	3.361	8.5	21.6
3 2	11 57.99	− 1 32.4	2.410	3.364	5.4	21.4
3 12	11 51.54	− 0 25.6	2.379	3.367	2.0	21.2
3 22	11 44.73	+ 0 44.8	2.377	3.371	1.6	21.1
4 1	11 38.24	+ 1 53.5	2.406	3.374	5.0	21.4
4 11	11 32.70	+ 2 55.3	2.463	3.376	8.2	21.6
4 21	11 28.60	+ 3 46.3	2.545	3.379	11.0	21.8

283161 2009 BX_{162} 3 17.2 112.°79 2.°0/14.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 9.87	+ 5 11.0	2.266	3.095	11.6	20.9
2 21	12 5.44	+ 5 53.0	2.192	3.100	8.6	20.7
3 2	11 59.28	+ 6 42.1	2.142	3.105	5.3	20.5
3 12	11 51.99	+ 7 33.0	2.121	3.109	2.3	20.4
3 22	11 44.32	+ 8 20.4	2.129	3.114	3.3	20.4
4 1	11 37.05	+ 8 59.3	2.165	3.118	6.6	20.6
4 11	11 30.94	+ 9 25.9	2.229	3.123	9.8	20.9
4 21	11 26.48	+ 9 38.4	2.315	3.127	12.6	21.0

415286 2013 GX_{3} 3 17.2 282.°11 0.°3/16.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 12.40	− 0 47.3	1.546	2.375	16.1	21.6
2 21	12 8.45	− 0 18.3	1.447	2.353	12.3	21.3
3 2	12 1.77	+ 0 28.1	1.370	2.331	7.8	21.0
3 12	11 53.03	+ 1 27.5	1.319	2.309	2.7	20.6
3 22	11 43.24	+ 2 32.7	1.294	2.286	2.8	20.5
4 1	11 33.73	+ 3 34.8	1.295	2.264	8.2	20.8
4 11	11 25.78	+ 4 25.6	1.321	2.241	13.3	21.0
4 21	11 20.34	+ 4 59.2	1.368	2.218	17.7	21.2

421010 2013 PW_{50} 3 17.2 262°.85 7°.8/ 8.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 12.93	+20 46.0	1.925	2.770	12.7	20.9
2 21	12 8.26	+22 14.1	1.853	2.757	10.2	20.7
3 2	12 1.31	+23 39.0	1.807	2.745	8.2	20.6
3 12	11 52.76	+24 50.9	1.786	2.732	7.9	20.5
3 22	11 43.58	+25 41.6	1.792	2.719	9.5	20.6
4 1	11 34.87	+26 5.7	1.824	2.706	12.1	20.7
4 11	11 27.64	+26 1.8	1.877	2.692	14.9	20.8
4 21	11 22.57	+25 32.0	1.949	2.679	17.4	21.0

405915 2006 JP_{70} 3 17.2 211°.87 1°.1/16.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 14.10	+ 1 41.4	1.671	2.499	15.1	22.0
2 21	12 9.30	+ 2 14.8	1.590	2.496	11.4	21.8
3 2	12 2.02	+ 3 1.1	1.531	2.493	7.0	21.5
3 12	11 53.03	+ 3 54.9	1.499	2.489	2.4	21.2
3 22	11 43.33	+ 4 48.9	1.494	2.485	3.1	21.3
4 1	11 34.14	+ 5 36.0	1.517	2.481	7.8	21.5
4 11	11 26.54	+ 6 9.9	1.566	2.476	12.2	21.8
4 21	11 21.27	+ 6 27.6	1.636	2.471	16.0	22.0

60093 1999 TR_{157} 3 17.2 218°.15 1°.9/19.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 7.14	− 8 8.8	2.544	3.326	11.9	19.8
2 21	12 3.32	− 7 44.8	2.451	3.325	9.3	19.6
3 2	11 57.95	− 7 6.1	2.383	3.323	6.4	19.4
3 12	11 51.55	− 6 14.8	2.341	3.322	3.3	19.2
3 22	11 44.73	− 5 14.9	2.329	3.320	2.1	19.1
4 1	11 38.21	− 4 11.4	2.346	3.318	4.7	19.3
4 11	11 32.64	− 3 9.9	2.392	3.317	7.8	19.5
4 21	11 28.52	− 2 14.9	2.463	3.315	10.7	19.6

276242 2002 RM_{112} 3 17.2 234°.03 1°.1/15.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 7.99	+ 0 28.4	2.382	3.199	11.5	21.3
2 21	12 4.08	+ 1 36.0	2.288	3.190	8.6	21.1
3 2	11 58.49	+ 2 56.0	2.219	3.180	5.3	20.9
3 12	11 51.75	+ 4 23.3	2.179	3.170	1.8	20.6
3 22	11 44.53	+ 5 51.6	2.170	3.159	2.6	20.7
4 1	11 37.57	+ 7 14.0	2.190	3.148	6.2	20.9
4 11	11 31.63	+ 8 24.8	2.238	3.137	9.6	21.1
4 21	11 27.22	+ 9 20.2	2.311	3.126	12.6	21.2

500492 2012 TP_{264} 3 17.2 116°.89 1°.7/19.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 7.76	− 7 57.9	2.357	3.143	12.6	22.0
2 21	12 3.84	− 7 23.2	2.273	3.150	9.8	21.8
3 2	11 58.29	− 6 32.4	2.213	3.156	6.6	21.6
3 12	11 51.66	− 5 28.4	2.180	3.162	3.3	21.4
3 22	11 44.64	− 4 16.0	2.176	3.168	2.0	21.3
4 1	11 37.99	− 3 1.2	2.201	3.174	5.0	21.5
4 11	11 32.39	− 1 50.2	2.255	3.179	8.3	21.8
4 21	11 28.35	− 0 48.1	2.334	3.185	11.3	22.0

171894 2001 RP_{83} 3 17.2 132°.99 1°.3/18.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 10.08	− 4 56.0	2.417	3.211	12.1	20.5
2 21	12 5.52	− 4 42.7	2.334	3.217	9.3	20.3
3 2	11 59.32	− 4 16.8	2.274	3.222	6.1	20.1
3 12	11 52.02	− 3 40.8	2.242	3.227	2.8	19.9
3 22	11 44.32	− 2 58.7	2.240	3.232	1.8	19.8
4 1	11 36.97	− 2 15.0	2.267	3.237	5.0	20.0
4 11	11 30.70	− 1 34.5	2.321	3.242	8.3	20.3
4 21	11 25.99	− 1 1.0	2.401	3.247	11.2	20.5

81277 2000 FZ_{55} 3 17.2 222°.27 1°.8/15.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 12.57	+ 3 44.1	1.892	2.721	13.5	19.8
2 21	12 7.89	+ 4 25.8	1.808	2.716	10.1	19.6
3 2	12 1.03	+ 5 17.7	1.749	2.711	6.2	19.4
3 12	11 52.67	+ 6 14.1	1.716	2.706	2.4	19.1
3 22	11 43.69	+ 7 8.3	1.712	2.700	3.5	19.2
4 1	11 35.14	+ 7 53.9	1.736	2.694	7.6	19.4
4 11	11 27.98	+ 8 25.6	1.786	2.687	11.5	19.6
4 21	11 22.86	+ 8 41.0	1.858	2.681	14.9	19.8

349952 2010 CY_{107} 3 17.2 73°.49 1°.6/15.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 12.58	+ 0 44.9	1.306	2.149	17.6	20.9
2 21	12 8.47	+ 1 45.9	1.247	2.162	13.1	20.6
3 2	12 1.58	+ 3 4.4	1.210	2.175	8.0	20.4
3 12	11 52.86	+ 4 31.8	1.197	2.188	2.7	20.1
3 22	11 43.57	+ 5 57.1	1.211	2.201	3.9	20.2
4 1	11 35.10	+ 7 9.8	1.250	2.214	9.1	20.5
4 11	11 28.63	+ 8 2.6	1.313	2.228	13.8	20.8
4 21	11 24.82	+ 8 32.2	1.396	2.241	17.7	21.1

143294 2003 AV_{34} 3 17.2 47°.37 1°.5/18.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 10.54	− 5 12.4	1.508	2.327	16.9	19.2
2 21	12 6.67	− 4 49.2	1.441	2.339	13.0	19.0
3 2	12 0.36	− 4 5.9	1.396	2.351	8.5	18.8
3 12	11 52.43	− 3 7.0	1.376	2.363	3.6	18.5
3 22	11 43.96	− 1 59.5	1.382	2.375	2.3	18.4
4 1	11 36.14	− 0 52.0	1.414	2.388	7.0	18.8
4 11	11 30.03	+ 0 7.2	1.472	2.402	11.4	19.0
4 21	11 26.27	+ 0 52.3	1.551	2.415	15.3	19.3

222535 2001 UP_{74} 3 17.2 215°.54 1°.3/18.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 10.49	− 6 23.2	2.197	2.988	13.2	21.4
2 21	12 6.10	− 5 46.4	2.100	2.981	10.3	21.1
3 2	11 59.83	− 4 52.6	2.026	2.974	6.8	20.9
3 12	11 52.24	− 3 45.0	1.981	2.966	3.0	20.7
3 22	11 44.09	− 2 28.8	1.964	2.957	1.9	20.6
4 1	11 36.24	− 1 10.6	1.977	2.948	5.6	20.8
4 11	11 29.54	+ 0 2.6	2.018	2.938	9.3	21.0
4 21	11 24.57	+ 1 5.4	2.084	2.928	12.7	21.2

187246 2005 SU_{192} 3 17.2 143°.41 5°.8/10.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 15.93	+19 6.8	2.383	3.213	11.1	20.5
2 21	12 9.84	+20 9.3	2.327	3.226	8.6	20.4
3 2	12 1.93	+21 8.0	2.297	3.238	6.5	20.3
3 12	11 52.90	+21 56.0	2.295	3.249	5.9	20.2
3 22	11 43.55	+22 28.0	2.322	3.259	7.1	20.3
4 1	11 34.76	+22 40.7	2.377	3.269	9.3	20.5
4 11	11 27.30	+22 33.4	2.457	3.279	11.6	20.6
4 21	11 21.66	+22 7.8	2.558	3.287	13.7	20.8

104638 2000 GW_{117} 3 17.2 21°.18 0°.1/17.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 9.07	− 1 41.9	1.938	2.757	13.7	20.0
2 21	12 5.15	− 1 12.3	1.859	2.759	10.4	19.8
3 2	11 59.26	− 0 28.8	1.803	2.761	6.5	19.6
3 12	11 52.04	+ 0 24.1	1.774	2.763	2.3	19.3
3 22	11 44.31	+ 1 20.7	1.773	2.766	2.0	19.3
4 1	11 37.03	+ 2 14.6	1.800	2.769	6.3	19.6
4 11	11 31.03	+ 2 59.9	1.853	2.772	10.1	19.8
4 21	11 26.92	+ 3 32.7	1.929	2.775	13.5	20.0

68072 2000 YV_{84} 3 17.2 126°.54 1°.7/15.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 13.95	+ 2 31.5	1.828	2.654	14.1	20.1
2 21	12 8.79	+ 3 29.2	1.762	2.669	10.5	19.9
3 2	12 1.48	+ 4 38.3	1.721	2.683	6.4	19.7
3 12	11 52.78	+ 5 52.1	1.707	2.697	2.4	19.5
3 22	11 43.65	+ 7 2.8	1.722	2.710	3.5	19.6
4 1	11 35.13	+ 8 3.3	1.765	2.722	7.5	19.9
4 11	11 28.13	+ 8 48.3	1.835	2.734	11.3	20.1
4 21	11 23.23	+ 9 15.4	1.927	2.745	14.6	20.3

374556 2006 BF_{136} 3 17.2 231°.12 1°.4/15.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 11.96	+ 3 7.9	1.970	2.797	13.2	21.0
2 21	12 7.33	+ 3 40.4	1.887	2.794	9.9	20.8
3 2	12 0.63	+ 4 22.6	1.828	2.790	6.1	20.5
3 12	11 52.52	+ 5 9.4	1.796	2.786	2.2	20.2
3 22	11 43.85	+ 5 55.1	1.793	2.782	3.0	20.3
4 1	11 35.60	+ 6 33.7	1.818	2.778	7.1	20.5
4 11	11 28.67	+ 7 0.6	1.869	2.774	10.8	20.8
4 21	11 23.69	+ 7 13.0	1.943	2.770	14.1	21.0

467514 2007 ET_{153} 3 17.2 40°.52 3°.0/14.6 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 11.61	+ 6 16.3	1.546	2.393	15.1	21.8
2 21	12 7.39	+ 7 3.5	1.485	2.403	11.2	21.6
3 2	12 0.76	+ 7 59.3	1.447	2.413	6.9	21.3
3 12	11 52.56	+ 8 56.0	1.435	2.423	3.3	21.1
3 22	11 43.86	+ 9 45.5	1.450	2.434	4.8	21.2
4 1	11 35.86	+10 21.0	1.490	2.445	8.9	21.5
4 11	11 29.57	+10 38.3	1.555	2.456	12.9	21.8
4 21	11 25.61	+10 36.3	1.641	2.468	16.3	22.0

225546 2000 SH_{173} 3 17.2 213°.20 5°.4/23.2 17 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 12.25	−17 49.0	2.440	3.163	13.9	21.0
2 21	12 7.37	−18 3.9	2.335	3.155	11.7	20.8
3 2	12 0.62	−17 59.2	2.252	3.147	9.2	20.7
3 12	11 52.53	−17 34.3	2.194	3.139	6.7	20.5
3 22	11 43.83	−16 50.8	2.164	3.130	5.4	20.4
4 1	11 35.38	−15 52.4	2.162	3.120	6.3	20.4
4 11	11 28.00	−14 45.4	2.188	3.110	8.7	20.6
4 21	11 22.32	−13 36.4	2.240	3.099	11.4	20.7

72149 2000 YX_{92} 3 17.2 127°.44 2°.0/15.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 14.27	+ 3 34.2	1.739	2.569	14.5	19.7
2 21	12 9.17	+ 4 22.1	1.671	2.580	10.8	19.5
3 2	12 1.79	+ 5 20.6	1.627	2.590	6.6	19.2
3 12	11 52.91	+ 6 23.0	1.610	2.599	2.5	19.0
3 22	11 43.54	+ 7 22.0	1.621	2.609	3.7	19.1
4 1	11 34.80	+ 8 10.5	1.660	2.618	7.9	19.3
4 11	11 27.64	+ 8 43.5	1.725	2.626	11.8	19.6
4 21	11 22.70	+ 8 59.0	1.812	2.634	15.2	19.8

348802 2006 QF_{58} 3 17.2 200°.50 5°.4/23.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 12.45	−18 29.0	2.266	2.989	14.8	21.5
2 21	12 7.63	−18 27.8	2.164	2.985	12.4	21.3
3 2	12 0.82	−18 3.9	2.083	2.980	9.7	21.1
3 12	11 52.61	−17 17.0	2.027	2.974	7.0	20.9
3 22	11 43.78	−16 9.5	1.999	2.968	5.5	20.8
4 1	11 35.26	−14 46.5	1.999	2.961	6.4	20.9
4 11	11 27.93	−13 15.7	2.028	2.952	9.1	21.0
4 21	11 22.43	−11 45.0	2.082	2.944	12.0	21.2

213664 2002 SS_{49} 3 17.2 236°.89 2°.5/14.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 14.07	+ 5 55.8	1.992	2.821	13.0	21.5
2 21	12 9.01	+ 6 40.8	1.900	2.808	9.7	21.3
3 2	12 1.76	+ 7 34.3	1.832	2.794	6.0	21.0
3 12	11 52.96	+ 8 30.3	1.792	2.780	2.8	20.8
3 22	11 43.46	+ 9 22.2	1.781	2.765	4.1	20.8
4 1	11 34.31	+10 3.7	1.799	2.750	7.9	21.0
4 11	11 26.48	+10 30.2	1.843	2.734	11.7	21.2
4 21	11 20.66	+10 39.5	1.908	2.717	15.1	21.4

285122 1995 SD_{36} 3 17.2 162°.21 0°.2/17.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 14.12	− 0 50.0	2.056	2.865	13.4	22.2
2 21	12 8.80	− 0 17.5	1.976	2.871	10.1	22.0
3 2	12 1.48	+ 0 27.4	1.920	2.877	6.3	21.8
3 12	11 52.81	+ 1 20.4	1.892	2.882	2.1	21.5
3 22	11 43.65	+ 2 15.8	1.893	2.886	2.1	21.5
4 1	11 34.95	+ 3 7.6	1.924	2.890	6.3	21.8
4 11	11 27.58	+ 3 50.3	1.983	2.893	10.1	22.0
4 21	11 22.15	+ 4 20.5	2.064	2.895	13.3	22.3

416941 2005 SH_{132} 3 17.2 117°.88 4°.5/12.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 16.43	+14 6.0	2.247	3.077	11.6	21.2
2 21	12 10.20	+14 56.9	2.192	3.097	8.8	21.1
3 2	12 2.15	+15 47.2	2.164	3.117	6.0	20.9
3 12	11 52.98	+16 30.5	2.164	3.136	4.5	20.9
3 22	11 43.54	+17 1.4	2.194	3.155	5.7	21.0
4 1	11 34.73	+17 16.3	2.252	3.173	8.3	21.1
4 11	11 27.30	+17 14.1	2.336	3.190	11.0	21.3
4 21	11 21.75	+16 55.3	2.443	3.206	13.4	21.5

162683 2000 TP_{39} 3 17.2 245°.07 4°.8/12.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 14.10	+10 14.1	1.697	2.541	14.1	20.3
2 21	12 9.40	+11 26.0	1.614	2.528	10.7	20.0
3 2	12 2.17	+12 45.0	1.554	2.515	7.0	19.8
3 12	11 53.13	+14 2.3	1.521	2.501	4.8	19.6
3 22	11 43.30	+15 8.5	1.516	2.487	6.6	19.7
4 1	11 33.91	+15 55.7	1.538	2.472	10.4	19.9
4 11	11 26.08	+16 19.3	1.583	2.457	14.3	20.1
4 21	11 20.61	+16 18.8	1.648	2.442	17.7	20.2

284402 2006 UC_{80} 3 17.2 198°.24 0°.9/18.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 7.53	− 4 59.5	2.585	3.379	11.4	21.0
2 21	12 3.58	− 4 22.7	2.493	3.378	8.7	20.8
3 2	11 58.11	− 3 32.6	2.426	3.376	5.7	20.6
3 12	11 51.63	− 2 32.4	2.387	3.374	2.4	20.4
3 22	11 44.74	− 1 26.6	2.378	3.371	1.6	20.3
4 1	11 38.15	− 0 20.3	2.399	3.369	4.8	20.5
4 11	11 32.49	+ 0 41.0	2.448	3.366	8.0	20.7
4 21	11 28.25	+ 1 33.3	2.522	3.363	10.8	20.9

31057 1996 SK_{4} 3 17.2 284°.35 2°.8/15.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 17.20	+ 8 12.8	1.785	2.618	14.1	17.8
2 21	12 11.53	+ 8 24.3	1.701	2.610	10.6	17.6
3 2	12 3.39	+ 8 40.2	1.640	2.602	6.7	17.4
3 12	11 53.52	+ 8 55.0	1.607	2.594	3.1	17.1
3 22	11 42.97	+ 9 3.4	1.601	2.586	4.3	17.2
4 1	11 32.91	+ 9 0.7	1.624	2.578	8.3	17.4
4 11	11 24.45	+ 8 44.1	1.672	2.570	12.3	17.6
4 21	11 18.30	+ 8 13.3	1.742	2.562	15.8	17.8

496372 2013 RD_{91} 3 17.2 205°.40 1°.3/18.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 10.65	− 6 2.6	2.358	3.147	12.5	22.8
2 21	12 6.09	− 5 28.9	2.262	3.142	9.7	22.6
3 2	11 59.77	− 4 39.8	2.189	3.136	6.4	22.4
3 12	11 52.23	− 3 38.4	2.145	3.130	2.9	22.1
3 22	11 44.18	− 2 29.4	2.130	3.123	1.8	22.0
4 1	11 36.44	− 1 18.7	2.145	3.115	5.3	22.3
4 11	11 29.75	− 0 12.4	2.189	3.107	8.8	22.5
4 21	11 24.70	+ 0 44.5	2.257	3.099	11.9	22.6

497053 2003 SA_{345} 3 17.2 167°.31 1°.8/19.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 11.75	− 6 33.9	2.417	3.200	12.4	22.0
2 21	12 6.81	− 6 25.3	2.329	3.204	9.7	21.8
3 2	12 0.16	− 6 3.2	2.264	3.207	6.5	21.6
3 12	11 52.35	− 5 29.6	2.228	3.210	3.3	21.4
3 22	11 44.09	− 4 48.0	2.221	3.212	2.1	21.3
4 1	11 36.19	− 4 3.1	2.243	3.214	5.0	21.5
4 11	11 29.37	− 3 20.0	2.294	3.216	8.3	21.7
4 21	11 24.16	− 2 42.8	2.370	3.217	11.2	21.9

305751 2009 DR_{7} 3 17.2 291°.47 0°.6/17.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 11.97	− 1 6.8	2.244	3.052	12.4	20.9
2 21	12 7.22	− 1 8.1	2.145	3.038	9.5	20.7
3 2	12 0.55	− 0 59.4	2.070	3.025	6.1	20.5
3 12	11 52.53	− 0 43.1	2.023	3.012	2.3	20.2
3 22	11 43.91	− 0 22.8	2.005	2.998	1.8	20.1
4 1	11 35.57	− 0 2.5	2.016	2.985	5.7	20.4
4 11	11 28.34	+ 0 13.5	2.054	2.972	9.3	20.5
4 21	11 22.84	+ 0 22.0	2.116	2.959	12.6	20.7

427378 2014 XN_{15} 3 17.2 51°.29 7°.7/24.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 11.31	−20 23.1	1.612	2.354	19.2	20.3
2 21	12 7.26	−20 52.4	1.547	2.374	16.3	20.1
3 2	12 0.75	−20 52.1	1.500	2.394	12.9	19.9
3 12	11 52.60	−20 20.9	1.475	2.415	9.8	19.8
3 22	11 43.91	−19 21.8	1.474	2.436	7.8	19.7
4 1	11 35.90	−18 1.7	1.498	2.457	8.4	19.8
4 11	11 29.62	−16 31.1	1.548	2.479	10.9	20.0
4 21	11 25.70	−15 0.4	1.621	2.500	13.9	20.2

376862 2001 TP_{25} 3 17.2 203°.69 3°.4/21.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 11.24	−13 28.9	2.517	3.265	12.9	23.0
2 21	12 6.49	−13 9.1	2.413	3.259	10.5	22.8
3 2	12 0.01	−12 30.7	2.332	3.253	7.7	22.6
3 12	11 52.33	−11 34.9	2.279	3.245	4.8	22.5
3 22	11 44.13	−10 25.0	2.254	3.237	3.4	22.3
4 1	11 36.20	− 9 6.3	2.260	3.228	5.2	22.4
4 11	11 29.29	− 7 45.2	2.294	3.219	8.1	22.6
4 21	11 23.96	− 6 28.1	2.355	3.208	11.1	22.8

291936 2006 QU_{30} 3 17.2 176°.20 1°.0/18.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 12.92	− 3 21.9	2.970	3.754	10.3	21.1
2 21	12 7.37	− 3 22.8	2.877	3.756	7.9	20.9
3 2	12 0.37	− 3 14.8	2.811	3.757	5.2	20.7
3 12	11 52.41	− 2 59.8	2.773	3.759	2.3	20.5
3 22	11 44.07	− 2 40.4	2.767	3.759	1.5	20.5
4 1	11 36.02	− 2 19.5	2.791	3.760	4.4	20.7
4 11	11 28.86	− 2 0.5	2.845	3.759	7.2	20.9
4 21	11 23.06	− 1 46.1	2.926	3.759	9.7	21.0

84385 2002 TB_{144} 3 17.2 76°.67 2°.2/15.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 13.29	+ 3 9.9	1.642	2.476	15.0	19.0
2 21	12 8.37	+ 4 14.2	1.592	2.503	11.1	18.8
3 2	12 1.22	+ 5 29.4	1.565	2.529	6.7	18.6
3 12	11 52.70	+ 6 47.5	1.565	2.555	2.6	18.4
3 22	11 43.87	+ 8 0.1	1.593	2.580	3.9	18.5
4 1	11 35.81	+ 8 59.7	1.649	2.605	8.0	18.8
4 11	11 29.43	+ 9 41.4	1.730	2.630	11.8	19.1
4 21	11 25.26	+10 3.5	1.833	2.655	15.1	19.4

498668 2008 SM_{151} 3 17.2 227°.90 1°.2/18.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 11.77	− 4 13.6	2.285	3.081	12.6	22.2
2 21	12 7.02	− 3 59.9	2.187	3.072	9.8	22.0
3 2	12 0.40	− 3 33.1	2.113	3.063	6.4	21.7
3 12	11 52.48	− 2 55.6	2.067	3.053	2.8	21.5
3 22	11 43.99	− 2 11.5	2.050	3.043	1.8	21.4
4 1	11 35.78	− 1 25.8	2.063	3.033	5.5	21.6
4 11	11 28.69	− 0 43.7	2.103	3.022	9.1	21.8
4 21	11 23.29	− 0 9.6	2.168	3.011	12.3	22.0

148109 1999 RC_{167} 3 17.2 140°.66 2°.5/15.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 18.27	+ 4 58.5	1.635	2.465	15.3	20.6
2 21	12 12.30	+ 5 45.0	1.569	2.477	11.4	20.3
3 2	12 3.80	+ 6 41.1	1.527	2.489	7.0	20.1
3 12	11 53.65	+ 7 39.4	1.511	2.500	3.0	19.9
3 22	11 42.97	+ 8 32.3	1.524	2.510	4.3	20.0
4 1	11 33.01	+ 9 12.7	1.565	2.519	8.6	20.3
4 11	11 24.87	+ 9 36.1	1.631	2.528	12.6	20.5
4 21	11 19.19	+ 9 41.1	1.718	2.535	16.1	20.8

48531 1993 PP 3 17.2 50°.72 2°.6/19.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 11.14	− 7 36.8	1.482	2.293	17.5	18.8
2 21	12 7.16	− 7 23.8	1.418	2.308	13.7	18.6
3 2	12 0.70	− 6 48.6	1.375	2.323	9.2	18.3
3 12	11 52.59	− 5 54.8	1.355	2.338	4.6	18.1
3 22	11 43.95	− 4 48.9	1.362	2.354	2.9	18.0
4 1	11 36.01	− 3 39.4	1.395	2.370	6.9	18.3
4 11	11 29.82	− 2 35.4	1.454	2.387	11.2	18.6
4 21	11 26.03	− 1 43.4	1.534	2.403	15.1	18.9

345590 2006 SN_{66} 3 17.2 102°.02 0°.7/18.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 7.41	− 4 51.5	2.396	3.195	12.0	20.9
2 21	12 3.55	− 4 6.0	2.316	3.203	9.2	20.8
3 2	11 58.11	− 3 6.3	2.260	3.212	5.9	20.6
3 12	11 51.64	− 1 56.5	2.233	3.220	2.4	20.3
3 22	11 44.82	− 0 41.6	2.235	3.229	1.6	20.3
4 1	11 38.36	+ 0 32.2	2.267	3.237	5.1	20.6
4 11	11 32.94	+ 1 39.4	2.327	3.245	8.4	20.8
4 21	11 29.02	+ 2 35.6	2.412	3.253	11.3	21.0

149238 2002 RB_{179} 3 17.2 330°.44 0°.4/16.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 7.91	− 1 13.1	1.334	2.178	17.2	19.8
2 21	12 5.24	− 0 36.4	1.251	2.165	13.2	19.5
3 2	11 59.82	+ 0 20.5	1.190	2.153	8.3	19.2
3 12	11 52.39	+ 1 31.9	1.152	2.142	2.8	18.9
3 22	11 44.06	+ 2 49.0	1.139	2.132	3.0	18.8
4 1	11 36.20	+ 4 1.2	1.151	2.122	8.6	19.1
4 11	11 30.10	+ 4 59.1	1.186	2.114	13.8	19.4
4 21	11 26.62	+ 5 36.7	1.241	2.106	18.2	19.6

122918 2000 SN_{173} 3 17.2 194.°74 4.°9/22.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 12.65	−15 58.9	2.398	3.132	13.8	20.2
2 21	12 7.67	−16 13.5	2.299	3.130	11.5	20.0
3 2	12 0.81	−16 9.4	2.222	3.127	8.8	19.8
3 12	11 52.63	−15 46.3	2.171	3.124	6.2	19.6
3 22	11 43.89	−15 6.1	2.148	3.120	4.9	19.5
4 1	11 35.43	−14 12.9	2.154	3.116	6.0	19.6
4 11	11 28.09	−13 12.6	2.188	3.111	8.6	19.8
4 21	11 22.46	−12 11.6	2.247	3.105	11.4	19.9

109483 2001 QU_{222} 3 17.2 142.°53 1.°4/18.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 8.11	− 6 39.8	2.326	3.118	12.5	20.1
2 21	12 4.16	− 6 6.1	2.240	3.121	9.7	20.0
3 2	11 58.55	− 5 16.9	2.178	3.124	6.5	19.8
3 12	11 51.82	− 4 15.4	2.143	3.127	3.0	19.5
3 22	11 44.67	− 3 6.3	2.137	3.130	1.8	19.5
4 1	11 37.87	− 1 55.6	2.161	3.133	5.1	19.7
4 11	11 32.14	− 0 49.4	2.212	3.135	8.5	19.9
4 21	11 27.98	+ 0 7.6	2.289	3.137	11.5	20.1

5705 Ericsterken 3 17.2 182.°86 0.°3/16.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 15.94	− 0 14.6	2.026	2.834	13.6	18.2
2 21	12 10.28	+ 0 12.2	1.940	2.835	10.3	18.0
3 2	12 2.48	+ 0 51.0	1.879	2.836	6.4	17.7
3 12	11 53.22	+ 1 37.6	1.845	2.835	2.2	17.4
3 22	11 43.38	+ 2 26.6	1.841	2.834	2.2	17.4
4 1	11 33.98	+ 3 12.1	1.867	2.832	6.5	17.7
4 11	11 25.96	+ 3 48.7	1.920	2.829	10.4	17.9
4 21	11 19.94	+ 4 13.0	1.997	2.825	13.8	18.1

456560 2007 CT_{1} 3 17.2 280.°24 7.°9/23.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 14.03	−18 51.6	1.836	2.571	17.4	21.0
2 21	12 9.42	−19 49.8	1.739	2.562	14.9	20.8
3 2	12 2.29	−20 25.5	1.661	2.553	12.1	20.6
3 12	11 53.25	−20 35.7	1.606	2.544	9.4	20.4
3 22	11 43.27	−20 19.7	1.577	2.534	7.9	20.3
4 1	11 33.55	−19 40.7	1.573	2.525	8.7	20.3
4 11	11 25.28	−18 45.8	1.594	2.516	11.3	20.4
4 21	11 19.33	−17 43.8	1.639	2.507	14.4	20.6

405170 2002 VK_{64} 3 17.2 77.°15 1.°6/18.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 13.82	− 5 47.6	1.666	2.471	16.2	21.3
2 21	12 8.82	− 5 25.7	1.606	2.495	12.4	21.2
3 2	12 1.55	− 4 45.4	1.569	2.520	8.1	21.0
3 12	11 52.86	− 3 50.9	1.558	2.544	3.6	20.7
3 22	11 43.78	− 2 48.5	1.574	2.568	2.3	20.7
4 1	11 35.43	− 1 45.9	1.619	2.591	6.4	21.0
4 11	11 28.76	− 0 50.3	1.689	2.615	10.5	21.3
4 21	11 24.31	− 0 6.8	1.782	2.638	14.0	21.6

279722 5741 $T\text{-}_{3}$ 3 17.2 140.°19 2.°5/14.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 11.08	+ 5 55.2	2.231	3.060	11.8	21.1
2 21	12 6.37	+ 6 55.7	2.161	3.069	8.7	20.9
3 2	11 59.90	+ 8 3.4	2.116	3.078	5.3	20.7
3 12	11 52.29	+ 9 12.0	2.100	3.087	2.6	20.5
3 22	11 44.29	+10 15.4	2.114	3.095	3.9	20.6
4 1	11 36.74	+11 7.9	2.156	3.103	7.1	20.9
4 11	11 30.39	+11 45.5	2.225	3.110	10.3	21.1
4 21	11 25.74	+12 6.7	2.317	3.117	13.0	21.3

396618 2001 SW_{325} 3 17.2 171.°33 1.°3/15.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 15.09	+ 1 40.7	2.048	2.864	13.2	22.7
2 21	12 9.57	+ 2 34.5	1.969	2.869	9.9	22.5
3 2	12 2.00	+ 3 39.8	1.914	2.873	6.0	22.3
3 12	11 53.05	+ 4 50.9	1.887	2.877	2.1	22.0
3 22	11 43.58	+ 6 1.2	1.890	2.879	3.0	22.1
4 1	11 34.58	+ 7 3.7	1.923	2.881	7.0	22.3
4 11	11 26.94	+ 7 53.1	1.983	2.881	10.7	22.6
4 21	11 21.26	+ 8 26.4	2.067	2.881	13.9	22.8

102729 1999 VX_{101} 3 17.2 247.°57 1.°5/15.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 13.46	+ 2 26.9	1.872	2.697	13.8	20.4
2 21	12 8.74	+ 3 7.7	1.776	2.682	10.4	20.2
3 2	12 1.72	+ 4 0.7	1.705	2.666	6.5	19.9
3 12	11 53.02	+ 5 0.6	1.660	2.650	2.3	19.6
3 22	11 43.55	+ 6 0.5	1.644	2.633	3.3	19.6
4 1	11 34.41	+ 6 53.3	1.656	2.616	7.6	19.8
4 11	11 26.62	+ 7 33.0	1.694	2.598	11.8	20.0
4 21	11 20.94	+ 7 56.2	1.754	2.580	15.5	20.2

139322 2001 KC_{32} 3 17.2 297.°56 0.°2/17.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 10.31	− 2 5.0	1.565	2.393	15.9	20.0
2 21	12 6.81	− 1 37.0	1.469	2.373	12.3	19.7
3 2	12 0.74	− 0 50.6	1.394	2.354	7.8	19.4
3 12	11 52.74	+ 0 9.9	1.345	2.334	2.8	19.1
3 22	11 43.79	+ 1 17.8	1.322	2.315	2.5	19.0
4 1	11 35.16	+ 2 24.3	1.325	2.296	7.8	19.3
4 11	11 28.04	+ 3 20.7	1.353	2.277	12.7	19.5
4 21	11 23.32	+ 4 1.1	1.402	2.258	17.0	19.7

294674 2008 AK_{103} 3 17.2 171.°89 2.°6/20.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 10.15	− 9 20.0	2.664	3.432	11.8	20.9
2 21	12 5.52	− 9 19.6	2.572	3.434	9.3	20.8
3 2	11 59.34	− 9 5.4	2.503	3.436	6.6	20.6
3 12	11 52.11	− 8 39.0	2.462	3.437	3.8	20.4
3 22	11 44.46	− 8 3.0	2.451	3.438	2.6	20.3
4 1	11 37.10	− 7 21.4	2.469	3.439	4.7	20.4
4 11	11 30.71	− 6 38.7	2.515	3.439	7.6	20.6
4 21	11 25.76	− 5 59.3	2.587	3.440	10.2	20.8

429087 2009 RX_{42} 3 17.2 123.°56 1.°0/18.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 14.54	− 3 37.5	2.340	3.131	12.5	22.8
2 21	12 8.83	− 3 24.8	2.267	3.150	9.6	22.6
3 2	12 1.37	− 3 0.4	2.218	3.167	6.2	22.4
3 12	11 52.80	− 2 27.0	2.198	3.185	2.6	22.2
3 22	11 43.87	− 1 48.7	2.208	3.201	1.7	22.2
4 1	11 35.43	− 1 10.1	2.248	3.217	5.2	22.4
4 11	11 28.21	− 0 35.9	2.316	3.232	8.5	22.7
4 21	11 22.71	− 0 9.4	2.410	3.247	11.4	22.9

278405 2007 RA_{6} 3 17.2 283.°98 2.°1/18.9 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 10.31	− 7 14.4	1.506	2.318	17.2	21.1
2 21	12 6.98	− 6 47.5	1.405	2.297	13.6	20.8
3 2	12 0.95	− 5 55.7	1.325	2.276	9.2	20.5
3 12	11 52.85	− 4 41.3	1.269	2.254	4.4	20.2
3 22	11 43.69	− 3 10.9	1.239	2.232	2.7	20.0
4 1	11 34.78	− 1 34.3	1.236	2.210	7.6	20.2
4 11	11 27.44	− 0 2.9	1.257	2.188	12.8	20.5
4 21	11 22.62	+ 1 13.9	1.300	2.167	17.4	20.7

124869 2001 TZ_{33} 3 17.2 144.°75 0.°2/16.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 17.41	− 0 7.8	1.817	2.630	14.7	20.4
2 21	12 11.49	+ 0 14.9	1.744	2.641	11.1	20.2
3 2	12 3.26	+ 0 50.2	1.694	2.651	6.9	20.0
3 12	11 53.50	+ 1 33.4	1.671	2.661	2.4	19.7
3 22	11 43.22	+ 2 18.7	1.678	2.670	2.4	19.7
4 1	11 33.54	+ 2 59.8	1.713	2.679	6.9	20.0
4 11	11 25.46	+ 3 31.3	1.775	2.686	11.0	20.3
4 21	11 19.62	+ 3 50.1	1.860	2.693	14.4	20.5

57616 2001 TV_{137} 3 17.2 58.°18 10.°0/ 7.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 14.89	+25 10.7	1.649	2.495	14.4	18.5
2 21	12 9.91	+26 45.6	1.605	2.502	11.9	18.3
3 2	12 2.37	+28 10.0	1.584	2.509	10.2	18.3
3 12	11 53.18	+29 12.8	1.588	2.516	10.2	18.3
3 22	11 43.55	+29 46.2	1.616	2.523	11.7	18.4
4 1	11 34.74	+29 46.5	1.667	2.531	14.0	18.5
4 11	11 27.83	+29 15.4	1.739	2.538	16.5	18.7
4 21	11 23.40	+28 17.5	1.827	2.546	18.7	18.9

266729 2009 RN_{34} 3 17.2 83.°21 1.°8/15.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 15.39	+ 5 3.4	1.858	2.686	13.8	20.8
2 21	12 9.81	+ 5 26.7	1.796	2.703	10.3	20.6
3 2	12 2.11	+ 5 57.1	1.758	2.720	6.3	20.4
3 12	11 53.07	+ 6 29.3	1.747	2.737	2.4	20.2
3 22	11 43.65	+ 6 57.7	1.765	2.753	3.4	20.3
4 1	11 34.89	+ 7 17.5	1.812	2.770	7.3	20.5
4 11	11 27.69	+ 7 25.2	1.884	2.786	10.9	20.8
4 21	11 22.59	+ 7 19.6	1.979	2.802	14.1	21.0

170641 2003 YF_{94} 3 17.2 318.°94 1.°7/15.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 9.88	+ 4 3.5	2.135	2.964	12.2	20.1
2 21	12 5.62	+ 4 43.7	2.056	2.964	9.1	19.9
3 2	11 59.53	+ 5 32.4	2.001	2.963	5.6	19.7
3 12	11 52.20	+ 6 24.4	1.973	2.963	2.2	19.5
3 22	11 44.41	+ 7 14.1	1.975	2.962	3.2	19.6
4 1	11 37.02	+ 7 55.9	2.005	2.962	6.8	19.8
4 11	11 30.82	+ 8 25.5	2.062	2.962	10.2	20.0
4 21	11 26.36	+ 8 40.7	2.141	2.961	13.2	20.2

225589 2000 WM_{90} 3 17.2 124.°83 3.°2/13.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 12.42	+ 8 6.1	2.007	2.843	12.6	20.4
2 21	12 7.57	+ 8 56.0	1.938	2.850	9.4	20.2
3 2	12 0.75	+ 9 51.4	1.894	2.856	5.9	20.0
3 12	11 52.62	+10 45.8	1.878	2.862	3.3	19.9
3 22	11 44.06	+11 32.9	1.890	2.869	4.6	20.0
4 1	11 36.01	+12 7.3	1.930	2.874	7.9	20.2
4 11	11 29.32	+12 25.4	1.996	2.880	11.3	20.4
4 21	11 24.55	+12 26.6	2.083	2.886	14.2	20.6

210116 2006 RQ_{10} 3 17.2 216.°90 0.°1/17.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 7.91	− 1 55.5	2.473	3.281	11.4	21.0
2 21	12 3.96	− 1 10.9	2.382	3.277	8.6	20.9
3 2	11 58.43	− 0 14.1	2.317	3.273	5.4	20.6
3 12	11 51.82	+ 0 50.9	2.279	3.269	1.9	20.4
3 22	11 44.78	+ 1 59.2	2.271	3.264	1.8	20.4
4 1	11 38.03	+ 3 4.9	2.293	3.259	5.4	20.6
4 11	11 32.26	+ 4 3.0	2.343	3.254	8.7	20.8
4 21	11 27.97	+ 4 49.7	2.417	3.249	11.6	21.0

305913 2009 FM_{57} 3 17.2 331°.17 2°.8/20.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 4.87	−11 43.1	2.023	2.806	14.5	20.3
2 21	12 2.10	−10 59.4	1.926	2.796	11.6	20.1
3 2	11 57.46	− 9 52.5	1.851	2.787	8.2	19.8
3 12	11 51.53	− 8 24.9	1.801	2.778	4.6	19.6
3 22	11 45.04	− 6 42.3	1.780	2.770	2.9	19.5
4 1	11 38.86	− 4 52.7	1.787	2.762	5.6	19.6
4 11	11 33.84	− 3 5.4	1.822	2.755	9.4	19.8
4 21	11 30.56	− 1 28.3	1.881	2.748	12.9	20.0

419833 2010 XZ_{60} 3 17.2 12°.38 15°.4/ 2.7 18

2 11	12 20.17	+38 18.0	1.456	2.275	17.4	20.3
2 21	12 14.49	+39 58.0	1.425	2.277	16.0	20.2
3 2	12 5.44	+41 12.3	1.414	2.280	15.4	20.2
3 12	11 54.27	+41 48.1	1.423	2.283	15.9	20.2
3 22	11 42.67	+41 38.8	1.451	2.287	17.1	20.3
4 1	11 32.39	+40 44.2	1.499	2.291	18.9	20.4
4 11	11 24.73	+39 10.4	1.563	2.296	20.8	20.6
4 21	11 20.30	+37 6.3	1.641	2.302	22.5	20.8

370163 2001 YC_{157} 3 17.2 31°.35 6°.4/21.5 18

2 11	12 16.19	−11 57.2	1.435	2.222	19.2	19.8
2 21	12 11.22	−13 7.2	1.369	2.235	15.7	19.6
3 2	12 3.41	−13 55.2	1.323	2.248	11.8	19.4
3 12	11 53.64	−14 19.3	1.299	2.263	8.1	19.2
3 22	11 43.14	−14 20.4	1.301	2.279	6.4	19.2
4 1	11 33.36	−14 3.1	1.328	2.295	8.3	19.3
4 11	11 25.54	−13 35.2	1.380	2.312	11.8	19.5
4 21	11 20.46	−13 5.0	1.453	2.329	15.4	19.8

433929 2015 CZ_{8} 3 17.2 283°.05 0°.4/17.6 17

2 11	12 10.10	− 2 15.7	1.976	2.791	13.6	21.7
2 21	12 6.00	− 1 50.0	1.889	2.786	10.4	21.5
3 2	11 59.89	− 1 10.3	1.825	2.782	6.6	21.2
3 12	11 52.39	− 0 20.4	1.788	2.777	2.5	21.0
3 22	11 44.31	+ 0 34.4	1.779	2.773	2.0	20.9
4 1	11 36.61	+ 1 27.8	1.799	2.769	6.2	21.2
4 11	11 30.18	+ 2 13.6	1.845	2.764	10.1	21.4
4 21	11 25.63	+ 2 47.8	1.914	2.760	13.6	21.6

183635 Helmi 3 17.2 297°.08 2°.9/14.9 17

2 11	12 11.57	+ 4 38.7	1.441	2.288	16.0	19.9
2 21	12 8.03	+ 5 29.0	1.348	2.266	12.1	19.6
3 2	12 1.66	+ 6 33.7	1.277	2.243	7.5	19.2
3 12	11 53.14	+ 7 45.2	1.231	2.220	3.3	18.9
3 22	11 43.55	+ 8 54.1	1.211	2.197	5.0	18.9
4 1	11 34.27	+ 9 50.4	1.216	2.175	10.0	19.2
4 11	11 26.68	+10 26.5	1.245	2.152	14.9	19.4
4 21	11 21.72	+10 39.1	1.293	2.130	19.3	19.6

304945 2007 TF_{8} 3 17.2 18°.37 14°.4/ 2.3 18 R

2 11	12 14.75	−36 54.8	1.939	2.538	20.4	18.8
2 21	12 10.34	−39 0.5	1.866	2.546	19.0	18.6
3 2	12 3.07	−40 36.9	1.807	2.554	17.4	18.5
3 12	11 53.63	−41 37.3	1.766	2.564	16.0	18.4
3 22	11 43.09	−41 57.6	1.743	2.575	14.9	18.4
4 1	11 32.88	−41 38.2	1.741	2.586	14.4	18.4
4 11	11 24.38	−40 45.0	1.759	2.598	14.7	18.4
4 21	11 18.55	−39 27.5	1.796	2.611	15.6	18.5

520981 2015 AJ_{285} 3 17.2 60°.23 9°.2/23.8 18

2 11	12 24.49	−20 1.4	1.781	2.492	18.7	21.3
2 21	12 17.18	−21 50.4	1.713	2.515	16.0	21.1
3 2	12 7.05	−23 16.2	1.666	2.539	13.1	21.0
3 12	11 54.93	−24 14.0	1.643	2.562	10.6	20.9
3 22	11 42.04	−24 41.6	1.647	2.586	9.3	20.9
4 1	11 29.78	−24 41.3	1.677	2.609	9.9	20.9
4 11	11 19.44	−24 20.1	1.733	2.632	11.9	21.1
4 21	11 11.81	−23 46.8	1.811	2.656	14.3	21.3

500603 2012 UH_{121} 3 17.2 219°.75 2°.0/14.9 18

2 11	12 12.46	+ 6 42.4	2.599	3.420	10.5	21.5
2 21	12 7.29	+ 7 9.5	2.509	3.413	7.9	21.3
3 2	12 0.49	+ 7 41.3	2.445	3.405	4.9	21.1
3 12	11 52.57	+ 8 13.8	2.410	3.397	2.2	20.9
3 22	11 44.21	+ 8 42.8	2.405	3.389	3.1	21.0
4 1	11 36.16	+ 9 4.2	2.430	3.380	6.2	21.2
4 11	11 29.12	+ 9 15.3	2.482	3.371	9.2	21.3
4 21	11 23.60	+ 9 14.5	2.559	3.362	11.8	21.5

253047 2002 SG_{56} 3 17.2 78°.04 1°.7/18.5 18

2 11	12 20.40	− 3 33.6	1.680	2.481	16.2	20.6
2 21	12 13.69	− 3 49.1	1.623	2.510	12.5	20.4
3 2	12 4.58	− 3 50.0	1.589	2.538	8.1	20.2
3 12	11 53.97	− 3 39.0	1.581	2.567	3.6	20.0
3 22	11 43.01	− 3 20.2	1.602	2.595	2.4	20.0
4 1	11 32.91	− 2 59.0	1.652	2.622	6.5	20.3
4 11	11 24.66	− 2 40.8	1.728	2.649	10.5	20.6
4 21	11 18.84	− 2 29.6	1.827	2.676	14.0	20.8

171914 2001 SM_{75} 3 17.2 98°.51 1°.5/19.0 18 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 10.74	− 5 51.9	2.485	3.271	12.0	19.9
2 21	12 5.95	− 5 38.5	2.411	3.289	9.3	19.7
3 2	11 59.59	− 5 12.4	2.362	3.307	6.1	19.5
3 12	11 52.24	− 4 36.3	2.341	3.324	2.9	19.4
3 22	11 44.56	− 3 53.7	2.349	3.341	1.8	19.3
4 1	11 37.30	− 3 9.4	2.387	3.358	4.8	19.5
4 11	11 31.12	− 2 27.9	2.453	3.375	7.9	19.7
4 21	11 26.47	− 1 52.9	2.545	3.391	10.6	20.0

424078 2007 DN_{31} 3 17.2 300°.35 0°.8/16.4 17

2 11	12 9.81	+ 0 24.9	1.719	2.550	14.6	21.3
2 21	12 6.15	+ 1 3.4	1.629	2.537	11.1	21.1
3 2	12 0.18	+ 1 56.8	1.562	2.524	6.9	20.8
3 12	11 52.56	+ 2 59.7	1.521	2.511	2.3	20.5
3 22	11 44.20	+ 4 5.1	1.507	2.499	2.8	20.5
4 1	11 36.21	+ 5 5.2	1.521	2.487	7.5	20.7
4 11	11 29.63	+ 5 52.9	1.559	2.475	11.9	21.0
4 21	11 25.19	+ 6 23.9	1.619	2.463	15.7	21.2

143523 2003 EH_{13} 3 17.2 168°.71 0°.7/16.3 18

2 11	12 7.65	+ 0 6.5	2.600	3.413	10.8	20.1
2 21	12 3.67	+ 0 59.9	2.516	3.415	8.1	19.9
3 2	11 58.21	+ 2 3.6	2.457	3.417	4.9	19.7
3 12	11 51.78	+ 3 13.3	2.428	3.418	1.6	19.5
3 22	11 44.97	+ 4 23.7	2.429	3.420	2.1	19.5
4 1	11 38.48	+ 5 29.6	2.460	3.421	5.4	19.8
4 11	11 32.92	+ 6 26.1	2.518	3.422	8.5	20.0
4 21	11 28.76	+ 7 10.2	2.602	3.422	11.2	20.1

181130 2005 QM_{137} 3 17.2 251°.66 0°.9/16.2 17

2 11	12 8.26	+ 1 33.8	2.433	3.252	11.2	21.5
2 21	12 4.25	+ 2 12.0	2.348	3.250	8.4	21.3
3 2	11 58.63	+ 2 59.4	2.287	3.248	5.1	21.1
3 12	11 51.94	+ 3 52.0	2.255	3.245	1.7	20.8
3 22	11 44.83	+ 4 44.9	2.252	3.243	2.3	20.9
4 1	11 38.04	+ 5 32.9	2.279	3.240	5.7	21.1
4 11	11 32.26	+ 6 11.7	2.332	3.238	9.0	21.3
4 21	11 27.98	+ 6 38.5	2.410	3.235	11.8	21.5

240757 Farkasberci 3 17.2 51°.17 2°.5/20.2 17

2 11	12 7.50	− 9 59.5	2.130	2.913	13.8	20.7
2 21	12 3.91	− 9 28.1	2.044	2.917	10.9	20.5
3 2	11 58.52	− 8 37.3	1.981	2.920	7.6	20.3
3 12	11 51.93	− 7 30.0	1.945	2.923	4.1	20.0
3 22	11 44.86	− 6 11.2	1.936	2.927	2.6	19.9
4 1	11 38.18	− 4 47.7	1.956	2.930	5.4	20.1
4 11	11 32.65	− 3 26.7	2.004	2.934	8.9	20.3
4 21	11 28.83	− 2 14.6	2.077	2.937	12.1	20.6

497382 2005 UM_{436} 3 17.2 245°.93 4°.4/22.2 17

2 11	12 10.33	−15 44.2	2.162	2.909	14.8	22.7
2 21	12 6.24	−15 25.9	2.052	2.894	12.2	22.5
3 2	12 0.13	−14 44.3	1.962	2.877	9.2	22.3
3 12	11 52.55	−13 39.6	1.898	2.860	6.1	22.1
3 22	11 44.27	−12 15.1	1.862	2.843	4.5	21.9
4 1	11 36.23	−10 37.0	1.855	2.825	6.1	22.0
4 11	11 29.32	− 8 54.0	1.876	2.806	9.3	22.1
4 21	11 24.24	− 7 14.5	1.922	2.787	12.7	22.3

211580 2003 SB_{181} 3 17.2 265°.13 2°.0/18.8 16

2 11	12 14.95	− 4 47.8	1.649	2.457	16.2	20.6
2 21	12 10.23	− 4 54.7	1.554	2.444	12.7	20.3
3 2	12 2.88	− 4 44.9	1.481	2.431	8.5	20.1
3 12	11 53.57	− 4 20.4	1.433	2.418	4.0	19.8
3 22	11 43.32	− 3 45.1	1.412	2.405	2.7	19.6
4 1	11 33.42	− 3 5.3	1.418	2.391	7.1	19.9
4 11	11 25.07	− 2 28.1	1.450	2.378	11.7	20.1
4 21	11 19.15	− 1 59.5	1.504	2.364	15.9	20.3

521220 2015 GW_{52} 3 17.2 243°.18 5°.6/10.4 17

2 11	12 12.85	+19 42.7	2.537	3.370	10.4	21.7
2 21	12 7.65	+20 32.5	2.464	3.364	8.2	21.6
3 2	12 0.74	+21 18.6	2.417	3.358	6.3	21.4
3 12	11 52.68	+21 55.2	2.398	3.351	5.7	21.4
3 22	11 44.23	+22 17.2	2.407	3.344	6.8	21.4
4 1	11 36.18	+22 21.5	2.443	3.337	9.0	21.6
4 11	11 29.26	+22 7.1	2.505	3.330	11.3	21.7
4 21	11 24.00	+21 35.1	2.588	3.323	13.4	21.8

221363 2005 WC_{159} 3 17.2 220°.32 5°.2/10.8 17

2 11	12 11.01	+13 11.5	2.160	3.002	11.6	20.5
2 21	12 6.61	+14 45.1	2.083	2.994	8.8	20.3
3 2	12 0.26	+16 22.3	2.031	2.986	6.2	20.1
3 12	11 52.56	+17 54.9	2.008	2.977	5.2	20.0
3 22	11 44.32	+19 14.9	2.014	2.968	6.8	20.1
4 1	11 36.43	+20 15.7	2.047	2.958	9.6	20.2
4 11	11 29.75	+20 53.9	2.105	2.948	12.5	20.4
4 21	11 24.88	+21 9.2	2.184	2.937	15.1	20.6

204829 2007 PJ_{24} 3 17.2 264°.13 3°.8/20.2 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 13.76	− 9 40.3	1.647	2.438	16.9	20.6
2 21	12 9.45	− 9 48.1	1.545	2.420	13.7	20.4
3 2	12 2.47	− 9 34.3	1.464	2.403	9.8	20.1
3 12	11 53.47	− 8 59.2	1.408	2.385	5.7	19.8
3 22	11 43.42	− 8 6.4	1.377	2.366	3.9	19.6
4 1	11 33.63	− 7 2.3	1.374	2.347	7.2	19.8
4 11	11 25.35	− 5 56.0	1.396	2.328	11.7	20.0
4 21	11 19.49	− 4 55.8	1.441	2.309	16.0	20.2

507640 2013 MP_{1} 3 17.2 353°.74 3°.1/13.0 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 5.64	+ 9 38.6	2.561	3.401	10.1	20.9
2 21	12 2.24	+10 34.2	2.485	3.399	7.5	20.7
3 2	11 57.36	+11 33.6	2.435	3.396	4.8	20.5
3 12	11 51.52	+12 31.5	2.413	3.394	3.1	20.4
3 22	11 45.32	+13 22.7	2.420	3.392	4.3	20.5
4 1	11 39.44	+14 2.8	2.455	3.391	6.9	20.6
4 11	11 34.48	+14 28.6	2.516	3.390	9.6	20.8
4 21	11 30.92	+14 39.1	2.600	3.389	12.0	21.0

159598 2001 XJ_{232} 3 17.2 275°.68 5°.6/12.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 15.45	+11 36.1	1.498	2.348	15.4	19.4
2 21	12 10.87	+12 38.3	1.413	2.330	11.7	19.1
3 2	12 3.40	+13 46.6	1.351	2.312	7.9	18.8
3 12	11 53.79	+14 51.3	1.315	2.294	5.6	18.6
3 22	11 43.19	+15 42.4	1.304	2.275	7.5	18.7
4 1	11 33.04	+16 11.7	1.319	2.256	11.5	18.9
4 11	11 24.68	+16 14.9	1.357	2.237	15.8	19.1
4 21	11 19.00	+15 52.3	1.413	2.218	19.6	19.3

380077 2013 SR_{36} 3 17.2 136°.69 0°.3/17.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 11.24	− 2 38.8	2.266	3.069	12.5	22.0
2 21	12 6.52	− 2 1.8	2.189	3.080	9.5	21.8
3 2	12 0.07	− 1 12.0	2.136	3.090	6.0	21.6
3 12	11 52.48	− 0 13.5	2.111	3.100	2.2	21.3
3 22	11 44.49	+ 0 48.5	2.116	3.110	1.8	21.3
4 1	11 36.92	+ 1 48.2	2.151	3.119	5.5	21.6
4 11	11 30.52	+ 2 40.2	2.213	3.127	9.0	21.8
4 21	11 25.79	+ 3 21.0	2.300	3.135	12.0	22.0

415731 1999 VY_{95} 3 17.2 193°.35 2°.7/14.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 15.89	+ 7 17.0	2.183	3.006	12.2	21.6
2 21	12 10.17	+ 8 1.1	2.099	3.004	9.1	21.4
3 2	12 2.43	+ 8 51.3	2.041	3.001	5.7	21.2
3 12	11 53.33	+ 9 41.7	2.012	2.998	2.9	21.0
3 22	11 43.69	+10 26.6	2.012	2.993	4.1	21.1
4 1	11 34.47	+11 0.6	2.042	2.988	7.5	21.3
4 11	11 26.53	+11 20.2	2.098	2.981	10.9	21.5
4 21	11 20.48	+11 24.0	2.178	2.975	13.8	21.6

386213 2007 WF_{2} 3 17.2 39°.19 0°.7/18.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 6.71	− 5 56.0	1.739	2.554	15.2	20.6
2 21	12 3.49	− 4 51.2	1.681	2.577	11.5	20.4
3 2	11 58.29	− 3 27.0	1.646	2.601	7.4	20.2
3 12	11 51.86	− 1 49.5	1.638	2.626	2.9	20.0
3 22	11 45.09	− 0 7.3	1.657	2.651	1.9	19.9
4 1	11 38.92	+ 1 30.5	1.705	2.676	6.2	20.3
4 11	11 34.15	+ 2 55.8	1.778	2.702	10.2	20.6
4 21	11 31.29	+ 4 3.7	1.876	2.729	13.5	20.8

224238 2005 SW_{105} 3 17.2 62°.62 1°.0/18.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 9.84	− 6 47.5	1.656	2.464	16.1	20.3
2 21	12 5.90	− 5 43.0	1.598	2.490	12.3	20.1
3 2	11 59.81	− 4 17.3	1.563	2.516	7.9	19.9
3 12	11 52.39	− 2 36.7	1.554	2.542	3.2	19.7
3 22	11 44.61	− 0 50.3	1.574	2.567	2.0	19.7
4 1	11 37.52	+ 0 52.1	1.621	2.593	6.5	20.0
4 11	11 31.99	+ 2 21.7	1.695	2.619	10.6	20.3
4 21	11 28.55	+ 3 33.2	1.792	2.644	14.0	20.6

239910 2000 SQ_{240} 3 17.2 179°.47 8°.2/27.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 13.27	−27 24.2	2.150	2.815	17.0	20.6
2 21	12 8.50	−27 28.6	2.052	2.817	15.0	20.4
3 2	12 1.55	−27 3.8	1.972	2.819	12.6	20.3
3 12	11 53.06	−26 7.6	1.915	2.819	10.2	20.1
3 22	11 43.94	−24 41.2	1.882	2.819	8.5	20.0
4 1	11 35.22	−22 49.8	1.878	2.818	8.4	20.0
4 11	11 27.90	−20 42.8	1.900	2.816	10.1	20.1
4 21	11 22.63	−18 31.0	1.949	2.814	12.6	20.2

258316 2001 UJ_{199} 3 17.2 78°.71 6°.7/11.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 18.39	+17 54.6	1.712	2.554	14.2	19.9
2 21	12 12.27	+18 46.6	1.663	2.570	10.9	19.7
3 2	12 3.74	+19 34.2	1.638	2.587	8.0	19.6
3 12	11 53.74	+20 8.9	1.639	2.603	6.7	19.6
3 22	11 43.42	+20 24.1	1.667	2.619	8.1	19.7
4 1	11 33.96	+20 16.5	1.722	2.635	10.9	19.9
4 11	11 26.35	+19 46.4	1.800	2.651	13.9	20.1
4 21	11 21.14	+18 56.6	1.898	2.667	16.5	20.3

180606 2004 FE_{94} 3 17.2 272°.47 0°.8/16.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 11.00	− 0 7.0	1.880	2.702	13.9	20.7
2 21	12 6.99	+ 0 39.4	1.777	2.680	10.6	20.5
3 2	12 0.74	+ 1 41.2	1.697	2.658	6.6	20.2
3 12	11 52.84	+ 2 53.6	1.645	2.635	2.2	19.8
3 22	11 44.11	+ 4 9.8	1.621	2.612	2.7	19.8
4 1	11 35.62	+ 5 21.6	1.625	2.589	7.3	20.1
4 11	11 28.40	+ 6 21.8	1.655	2.566	11.7	20.3
4 21	11 23.20	+ 7 5.4	1.708	2.542	15.5	20.4

68732 2002 EF_{21} 3 17.2 303°.67 4°.5/13.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 14.30	+ 9 10.3	1.426	2.278	15.9	19.3
2 21	12 9.95	+ 9 58.8	1.350	2.269	12.0	19.1
3 2	12 2.76	+10 54.5	1.297	2.261	7.7	18.8
3 12	11 53.55	+11 48.8	1.269	2.253	4.6	18.6
3 22	11 43.51	+12 32.4	1.266	2.245	6.3	18.7
4 1	11 34.05	+12 57.6	1.289	2.238	10.6	18.9
4 11	11 26.46	+13 0.3	1.334	2.230	15.0	19.1
4 21	11 21.55	+12 40.1	1.399	2.223	18.8	19.3

503680 2016 HH_{8} 3 17.2 181°.71 3°.3/13.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 11.07	+ 7 47.8	2.002	2.839	12.6	21.4
2 21	12 6.69	+ 8 52.0	1.927	2.840	9.3	21.2
3 2	12 0.32	+10 3.0	1.877	2.840	5.9	21.0
3 12	11 52.61	+11 13.9	1.856	2.840	3.4	20.8
3 22	11 44.40	+12 17.4	1.862	2.839	4.9	20.9
4 1	11 36.64	+13 7.3	1.897	2.839	8.2	21.1
4 11	11 30.17	+13 39.3	1.957	2.838	11.6	21.3
4 21	11 25.60	+13 52.3	2.039	2.837	14.6	21.5

406936 2009 HC_{66} 3 17.2 56°.09 5°.2/12.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 12.86	+10 36.0	1.488	2.342	15.2	20.6
2 21	12 8.56	+11 48.7	1.429	2.348	11.4	20.3
3 2	12 1.70	+13 6.6	1.392	2.354	7.5	20.1
3 12	11 53.12	+14 19.8	1.381	2.361	5.2	20.0
3 22	11 43.99	+15 18.8	1.396	2.368	7.0	20.1
4 1	11 35.56	+15 56.3	1.437	2.375	10.7	20.3
4 11	11 28.95	+16 8.9	1.501	2.382	14.5	20.6
4 21	11 24.80	+15 57.3	1.583	2.389	17.8	20.8

281261 2007 PW_{22} 3 17.2 134°.32 1°.6/14.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 9.04	+ 3 38.4	2.786	3.603	10.0	21.5
2 21	12 4.57	+ 4 44.7	2.715	3.618	7.4	21.3
3 2	11 58.73	+ 5 58.3	2.671	3.632	4.5	21.1
3 12	11 52.01	+ 7 14.2	2.657	3.645	1.9	21.0
3 22	11 45.00	+ 8 27.1	2.673	3.658	2.8	21.0
4 1	11 38.34	+ 9 32.0	2.721	3.670	5.7	21.3
4 11	11 32.60	+10 25.3	2.796	3.682	8.4	21.4
4 21	11 28.20	+11 4.7	2.896	3.693	10.7	21.6

356305 2010 GS_{109} 3 17.2 273°.40 2°.1/15.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 13.25	+ 2 50.6	1.519	2.357	15.8	21.7
2 21	12 9.17	+ 3 37.2	1.426	2.339	12.0	21.4
3 2	12 2.35	+ 4 38.9	1.356	2.320	7.4	21.1
3 12	11 53.47	+ 5 49.1	1.311	2.301	2.8	20.8
3 22	11 43.58	+ 6 59.1	1.293	2.282	4.1	20.8
4 1	11 34.03	+ 7 59.4	1.302	2.263	9.1	21.1
4 11	11 26.13	+ 8 42.4	1.334	2.243	14.0	21.3
4 21	11 20.76	+ 9 4.2	1.387	2.224	18.2	21.5

332407 2007 MV_{6} 3 17.2 252°.73 7°.1/ 8.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 12.86	+20 17.0	2.105	2.946	11.9	21.0
2 21	12 8.12	+21 39.8	2.031	2.934	9.5	20.8
3 2	12 1.28	+22 59.8	1.983	2.921	7.6	20.7
3 12	11 52.98	+24 8.4	1.961	2.908	7.2	20.6
3 22	11 44.10	+24 58.0	1.967	2.895	8.7	20.7
4 1	11 35.62	+25 23.8	1.998	2.881	11.2	20.8
4 11	11 28.49	+25 24.1	2.053	2.868	13.8	20.9
4 21	11 23.32	+25 0.4	2.126	2.854	16.2	21.1

313747 2003 UA_{250} 3 17.2 156°.59 1°.3/18.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 14.11	− 4 52.8	1.886	2.686	14.7	22.0
2 21	12 9.08	− 4 32.7	1.806	2.692	11.4	21.8
3 2	12 1.88	− 3 56.1	1.748	2.698	7.5	21.6
3 12	11 53.18	− 3 6.5	1.717	2.703	3.2	21.4
3 22	11 43.93	− 2 9.2	1.714	2.707	2.1	21.3
4 1	11 35.15	− 1 11.0	1.740	2.711	6.2	21.5
4 11	11 27.82	− 0 18.5	1.793	2.714	10.2	21.8
4 21	11 22.55	+ 0 23.3	1.869	2.717	13.7	22.0

238779 2005 JF_{139} 3 17.2 267°.60 1°.8/14.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 8.22	+ 3 6.8	2.417	3.241	11.1	20.8
2 21	12 4.39	+ 4 12.2	2.315	3.221	8.3	20.5
3 2	11 58.87	+ 5 28.3	2.238	3.200	5.1	20.3
3 12	11 52.14	+ 6 50.0	2.191	3.180	2.1	20.1
3 22	11 44.86	+ 8 11.0	2.173	3.158	3.2	20.1
4 1	11 37.78	+ 9 24.9	2.185	3.137	6.6	20.3
4 11	11 31.66	+10 26.3	2.224	3.115	10.0	20.4
4 21	11 27.06	+11 11.7	2.286	3.093	12.9	20.6

374413 2005 WW_{49} 3 17.2 201°.59 2°.0/15.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 12.83	+ 4 59.0	2.322	3.143	11.6	22.5
2 21	12 7.79	+ 5 44.3	2.235	3.139	8.7	22.3
3 2	12 0.94	+ 6 37.3	2.173	3.134	5.3	22.1
3 12	11 52.85	+ 7 32.8	2.141	3.129	2.3	21.9
3 22	11 44.25	+ 8 25.3	2.138	3.123	3.3	21.9
4 1	11 36.00	+ 9 9.4	2.164	3.116	6.7	22.2
4 11	11 28.89	+ 9 41.0	2.218	3.109	10.0	22.3
4 21	11 23.46	+ 9 58.2	2.296	3.101	12.9	22.5

298863 2004 RF_{306} 3 17.2 207°.07 2°.7/14.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 17.47	+ 6 23.7	1.878	2.704	13.7	21.0
2 21	12 11.72	+ 7 2.3	1.793	2.699	10.3	20.8
3 2	12 3.60	+ 7 48.7	1.732	2.693	6.4	20.5
3 12	11 53.83	+ 8 36.5	1.698	2.686	3.0	20.3
3 22	11 43.38	+ 9 19.2	1.694	2.678	4.2	20.4
4 1	11 33.37	+ 9 50.7	1.718	2.670	8.2	20.6
4 11	11 24.87	+10 6.7	1.769	2.660	12.1	20.8
4 21	11 18.57	+10 5.9	1.841	2.651	15.5	21.0

286408 2001 YF_{101} 3 17.2 102°.25 3°.9/13.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 12.28	+ 8 59.7	1.880	2.720	13.1	20.6
2 21	12 7.61	+10 7.0	1.818	2.732	9.7	20.4
3 2	12 0.88	+11 19.7	1.782	2.743	6.2	20.2
3 12	11 52.82	+12 29.9	1.773	2.755	3.9	20.1
3 22	11 44.34	+13 30.2	1.792	2.766	5.4	20.2
4 1	11 36.44	+14 14.5	1.838	2.777	8.7	20.4
4 11	11 29.99	+14 39.4	1.910	2.788	12.0	20.7
4 21	11 25.54	+14 44.4	2.003	2.799	14.9	20.9

93815 2000 WM_{60} 3 17.2 118°.48 4°.7/11.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 12.46	+12 59.0	2.183	3.021	11.6	19.6
2 21	12 7.48	+14 13.9	2.126	3.036	8.7	19.4
3 2	12 0.68	+15 29.9	2.095	3.051	6.0	19.3
3 12	11 52.73	+16 39.8	2.093	3.065	4.7	19.2
3 22	11 44.44	+17 37.1	2.120	3.079	6.0	19.3
4 1	11 36.68	+18 16.9	2.174	3.093	8.7	19.5
4 11	11 30.22	+18 37.0	2.254	3.106	11.4	19.7
4 21	11 25.54	+18 37.7	2.355	3.119	13.8	19.9

341671 2007 VZ_{86} 3 17.2 197°.11 1°.2/15.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 12.55	+ 3 59.1	2.491	3.308	11.1	21.3
2 21	12 7.45	+ 4 20.1	2.405	3.306	8.3	21.1
3 2	12 0.66	+ 4 47.7	2.344	3.304	5.1	20.9
3 12	11 52.74	+ 5 18.0	2.312	3.301	1.9	20.6
3 22	11 44.40	+ 5 46.9	2.309	3.298	2.5	20.7
4 1	11 36.39	+ 6 10.3	2.337	3.295	5.8	20.9
4 11	11 29.43	+ 6 25.1	2.392	3.292	9.0	21.1
4 21	11 24.06	+ 6 29.2	2.471	3.288	11.8	21.3

184561 2005 QH_{62} 3 17.2 243°.40 0°.7/16.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 8.91	+ 1 6.5	2.649	3.462	10.6	21.6
2 21	12 4.71	+ 1 42.2	2.552	3.451	8.0	21.4
3 2	11 58.96	+ 2 27.0	2.481	3.439	4.9	21.2
3 12	11 52.16	+ 3 17.3	2.437	3.427	1.7	20.9
3 22	11 44.91	+ 4 8.6	2.424	3.415	2.1	20.9
4 1	11 37.89	+ 4 56.2	2.441	3.403	5.4	21.1
4 11	11 31.78	+ 5 36.0	2.486	3.390	8.5	21.3
4 21	11 27.07	+ 6 5.0	2.555	3.377	11.3	21.5

323438 2004 GM_{28} 3 17.2 85°.05 9°.6/13.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 36.94	+21 37.2	1.065	1.905	20.9	19.8
2 21	12 27.60	+21 48.9	1.014	1.916	16.6	19.5
3 2	12 13.89	+21 46.8	0.981	1.927	12.3	19.3
3 12	11 57.39	+21 18.2	0.972	1.938	9.7	19.2
3 22	11 40.38	+20 16.3	0.989	1.949	10.9	19.3
4 1	11 25.25	+18 42.0	1.030	1.960	14.8	19.6
4 11	11 13.71	+16 42.9	1.094	1.971	19.0	19.8
4 21	11 6.45	+14 28.7	1.176	1.982	22.7	20.1

502458 2015 BH_{305} 3 17.3 188°.87 2°.9/13.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 8.47	+ 6 52.2	2.344	3.178	11.1	21.2
2 21	12 4.51	+ 8 5.6	2.266	3.177	8.2	21.0
3 2	11 58.88	+ 9 26.1	2.214	3.177	5.1	20.8
3 12	11 52.14	+10 47.4	2.191	3.176	2.9	20.6
3 22	11 44.97	+12 2.9	2.198	3.175	4.3	20.7
4 1	11 38.15	+13 6.7	2.233	3.174	7.3	20.9
4 11	11 32.39	+13 54.5	2.295	3.172	10.3	21.1
4 21	11 28.19	+14 24.6	2.379	3.171	13.0	21.2

377453 2004 VR_{46} 3 17.3 218°.48 5°.9/ 9.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 13.92	+19 4.9	2.452	3.284	10.7	21.2
2 21	12 8.61	+20 14.4	2.375	3.275	8.4	21.0
3 2	12 1.45	+21 21.6	2.325	3.265	6.5	20.9
3 12	11 53.04	+22 19.5	2.303	3.255	6.0	20.8
3 22	11 44.15	+23 2.2	2.310	3.244	7.2	20.9
4 1	11 35.62	+23 25.4	2.344	3.233	9.5	21.0
4 11	11 28.26	+23 27.7	2.403	3.221	11.9	21.2
4 21	11 22.62	+23 9.8	2.482	3.208	14.1	21.3

145732 Kanmon 3 17.3 78°.39 1°.6/18.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 12.06	− 5 58.4	1.709	2.515	15.8	20.1
2 21	12 7.64	− 5 33.0	1.641	2.531	12.2	19.9
3 2	12 1.00	− 4 48.8	1.596	2.546	8.0	19.7
3 12	11 52.91	− 3 50.0	1.577	2.562	3.6	19.5
3 22	11 44.35	− 2 42.9	1.585	2.578	2.2	19.4
4 1	11 36.40	− 1 35.1	1.620	2.594	6.3	19.7
4 11	11 30.00	− 0 34.2	1.682	2.609	10.4	20.0
4 21	11 25.75	+ 0 14.3	1.767	2.624	14.0	20.2

461011 2014 WM_{388} 3 17.3 190°.87 1°.3/15.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 13.83	+ 2 39.3	2.043	2.863	13.0	21.0
2 21	12 8.77	+ 3 15.0	1.960	2.862	9.8	20.8
3 2	12 1.66	+ 4 0.7	1.901	2.861	6.0	20.5
3 12	11 53.16	+ 4 51.4	1.869	2.859	2.1	20.3
3 22	11 44.10	+ 5 41.3	1.867	2.857	2.9	20.3
4 1	11 35.46	+ 6 24.3	1.894	2.854	6.8	20.6
4 11	11 28.12	+ 6 55.9	1.947	2.850	10.6	20.8
4 21	11 22.71	+ 7 13.2	2.024	2.846	13.8	21.0

8942 Takagi 3 17.3 153°.32 0°.9/16.3 18 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 10.71	+ 0 47.7	2.109	2.928	12.7	18.9
2 21	12 6.33	+ 1 33.9	2.030	2.932	9.5	18.7
3 2	12 0.08	+ 2 31.6	1.976	2.936	5.8	18.5
3 12	11 52.59	+ 3 35.7	1.949	2.939	2.0	18.2
3 22	11 44.63	+ 4 40.2	1.952	2.943	2.5	18.3
4 1	11 37.09	+ 5 38.8	1.983	2.946	6.4	18.5
4 11	11 30.77	+ 6 26.1	2.042	2.948	10.0	18.7
4 21	11 26.21	+ 6 59.1	2.123	2.951	13.1	19.0

124870 2001 TH_{34} 3 17.3 60°.86 0°.1/17.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 17.82	+ 0 7.0	1.275	2.109	18.5	19.2
2 21	12 12.51	+ 0 11.6	1.220	2.128	14.0	19.0
3 2	12 4.25	+ 0 31.4	1.187	2.147	8.7	18.7
3 12	11 54.07	+ 1 1.1	1.177	2.167	3.0	18.4
3 22	11 43.38	+ 1 33.6	1.193	2.187	2.7	18.5
4 1	11 33.66	+ 2 1.6	1.236	2.207	8.2	18.8
4 11	11 26.16	+ 2 19.1	1.302	2.227	13.0	19.2
4 21	11 21.52	+ 2 22.8	1.388	2.247	17.0	19.5

313673 2003 SW_{223} 3 17.3 150°.63 3°.0/14.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 16.29	+ 7 13.5	1.794	2.627	14.0	21.1
2 21	12 10.79	+ 7 54.8	1.724	2.633	10.5	20.8
3 2	12 2.98	+ 8 42.7	1.677	2.639	6.5	20.6
3 12	11 53.62	+ 9 30.7	1.657	2.644	3.2	20.4
3 22	11 43.74	+10 11.8	1.666	2.649	4.5	20.5
4 1	11 34.45	+10 40.2	1.703	2.653	8.4	20.8
4 11	11 26.75	+10 52.2	1.765	2.657	12.1	21.0
4 21	11 21.27	+10 47.0	1.849	2.660	15.4	21.2

518476 2005 RS_{52} 3 17.3 308°.40 0°.4/17.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 11.32	− 0 54.6	2.158	2.969	12.7	21.1
2 21	12 6.89	− 0 51.8	2.062	2.958	9.7	20.9
3 2	12 0.52	− 0 38.5	1.991	2.946	6.2	20.6
3 12	11 52.78	− 0 17.4	1.946	2.935	2.3	20.3
3 22	11 44.45	+ 0 7.5	1.930	2.924	1.8	20.3
4 1	11 36.41	+ 0 31.9	1.943	2.913	5.8	20.5
4 11	11 29.52	+ 0 51.3	1.983	2.902	9.5	20.7
4 21	11 24.40	+ 1 2.2	2.046	2.891	12.8	20.9

428830 2008 TP_{141} 3 17.3 98°.83 0°.4/16.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 11.17	+ 0 4.6	2.013	2.832	13.2	21.8
2 21	12 6.75	+ 0 35.3	1.936	2.837	10.0	21.5
3 2	12 0.37	+ 1 17.8	1.884	2.843	6.2	21.3
3 12	11 52.70	+ 2 7.4	1.858	2.848	2.1	21.1
3 22	11 44.56	+ 2 58.6	1.861	2.854	2.2	21.1
4 1	11 36.88	+ 3 45.5	1.893	2.859	6.3	21.4
4 11	11 30.48	+ 4 22.9	1.951	2.864	10.0	21.6
4 21	11 25.93	+ 4 47.6	2.033	2.870	13.2	21.8

388265 2006 QD_{80} 3 17.3 123°.75 2°.1/20.0 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 11.21	− 8 22.0	2.844	3.611	11.1	21.8
2 21	12 6.21	− 8 17.2	2.763	3.627	8.7	21.7
3 2	11 59.79	− 8 0.1	2.708	3.642	6.0	21.5
3 12	11 52.45	− 7 32.4	2.680	3.657	3.3	21.4
3 22	11 44.81	− 6 56.9	2.682	3.671	2.2	21.3
4 1	11 37.50	− 6 17.3	2.715	3.686	4.3	21.5
4 11	11 31.14	− 5 37.8	2.777	3.699	7.0	21.7
4 21	11 26.14	− 5 2.1	2.865	3.712	9.5	21.9

112948 2002 RX_{8} 3 17.3 117°.38 2°.0/15.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 12.42	+ 2 44.2	1.813	2.643	14.0	20.4
2 21	12 7.81	+ 3 49.7	1.747	2.656	10.4	20.2
3 2	12 1.07	+ 5 6.8	1.705	2.668	6.3	20.0
3 12	11 52.95	+ 6 28.6	1.691	2.680	2.5	19.8
3 22	11 44.38	+ 7 46.7	1.705	2.692	3.7	19.9
4 1	11 36.37	+ 8 53.7	1.747	2.703	7.7	20.1
4 11	11 29.84	+ 9 44.1	1.815	2.714	11.5	20.4
4 21	11 25.37	+10 15.3	1.905	2.724	14.7	20.6

428059 2006 EW_{15} 3 17.3 358°.00 1°.1/16.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 7.72	+ 0 37.5	1.583	2.422	15.2	21.0
2 21	12 4.68	+ 1 25.3	1.507	2.420	11.4	20.7
3 2	11 59.33	+ 2 28.4	1.454	2.418	7.0	20.5
3 12	11 52.40	+ 3 40.7	1.427	2.417	2.4	20.2
3 22	11 44.84	+ 4 53.8	1.426	2.417	3.1	20.2
4 1	11 37.78	+ 5 59.2	1.451	2.417	7.8	20.5
4 11	11 32.23	+ 6 49.7	1.501	2.418	12.2	20.7
4 21	11 28.86	+ 7 21.4	1.572	2.420	15.9	21.0

387082 2012 TJ_{97} 3 17.3 112°.29 1°.6/15.6 17

2 11	12 12.39	+ 5 4.4	2.414	3.234	11.2	21.8
2 21	12 7.30	+ 5 29.0	2.341	3.244	8.4	21.6
3 2	12 0.55	+ 5 59.4	2.294	3.254	5.1	21.4
3 12	11 52.74	+ 6 31.4	2.275	3.264	2.0	21.2
3 22	11 44.57	+ 7 0.7	2.286	3.273	2.8	21.3
4 1	11 36.84	+ 7 23.2	2.327	3.283	6.0	21.5
4 11	11 30.23	+ 7 36.0	2.395	3.292	9.1	21.7
4 21	11 25.23	+ 7 37.4	2.486	3.301	11.8	21.9

498388 2007 XT_{8} 3 17.3 146°.88 5°.8/ 8.1 17

2 11	12 11.88	+23 41.6	3.103	3.927	8.9	22.1
2 21	12 6.65	+24 52.1	3.052	3.939	7.2	22.0
3 2	12 0.02	+25 57.0	3.028	3.950	6.0	22.0
3 12	11 52.53	+26 50.7	3.033	3.961	5.9	22.0
3 22	11 44.77	+27 29.3	3.067	3.971	6.9	22.0
4 1	11 37.39	+27 50.1	3.128	3.980	8.5	22.2
4 11	11 30.99	+27 52.6	3.213	3.989	10.2	22.3
4 21	11 25.97	+27 37.9	3.319	3.997	11.7	22.4

502959 2015 ED_{68} 3 17.3 195°.56 1°.1/15.9 17

2 11	12 9.67	+ 1 22.4	2.184	3.005	12.3	21.5
2 21	12 5.54	+ 2 14.4	2.100	3.004	9.2	21.3
3 2	11 59.60	+ 3 17.6	2.042	3.002	5.6	21.1
3 12	11 52.44	+ 4 26.8	2.011	3.001	2.0	20.8
3 22	11 44.81	+ 5 36.1	2.009	2.999	2.7	20.9
4 1	11 37.53	+ 6 38.8	2.037	2.997	6.4	21.1
4 11	11 31.40	+ 7 29.9	2.092	2.995	9.9	21.3
4 21	11 26.95	+ 8 6.1	2.169	2.993	13.0	21.5

374170 2004 VX_{65} 3 17.3 110°.78 1°.1/18.4 17

2 11	12 11.66	− 4 18.9	2.035	2.838	13.7	21.8
2 21	12 7.10	− 3 59.7	1.957	2.846	10.6	21.6
3 2	12 0.60	− 3 25.8	1.903	2.854	6.9	21.4
3 12	11 52.80	− 2 40.8	1.875	2.861	2.9	21.1
3 22	11 44.53	− 1 49.4	1.876	2.869	1.9	21.1
4 1	11 36.71	− 0 57.5	1.905	2.877	5.7	21.4
4 11	11 30.18	− 0 11.0	1.962	2.884	9.5	21.6
4 21	11 25.50	+ 0 25.6	2.042	2.891	12.7	21.8

179821 2002 TB_{104} 3 17.3 196°.18 2°.5/19.8 16

2 11	12 12.39	− 8 37.9	1.984	2.769	14.7	21.4
2 21	12 7.83	− 8 19.8	1.893	2.767	11.6	21.2
3 2	12 1.17	− 7 42.7	1.824	2.765	8.0	21.0
3 12	11 53.04	− 6 49.0	1.782	2.762	4.2	20.7
3 22	11 44.28	− 5 43.3	1.767	2.758	2.7	20.6
4 1	11 35.90	− 4 32.1	1.782	2.755	5.9	20.8
4 11	11 28.82	− 3 23.2	1.824	2.750	9.8	21.0
4 21	11 23.70	− 2 22.6	1.890	2.746	13.3	21.2

243365 2008 WA_{71} 3 17.3 75°.37 1°.4/18.4 18

2 11	12 14.05	− 4 55.3	1.406	2.225	17.9	20.9
2 21	12 9.58	− 4 34.5	1.342	2.239	13.8	20.7
3 2	12 2.42	− 3 52.8	1.300	2.254	9.0	20.4
3 12	11 53.48	− 2 55.0	1.281	2.268	3.8	20.2
3 22	11 43.95	− 1 48.5	1.289	2.283	2.4	20.1
4 1	11 35.18	− 0 42.5	1.324	2.297	7.4	20.5
4 11	11 28.32	+ 0 14.6	1.383	2.312	12.1	20.8
4 21	11 24.03	+ 0 56.8	1.463	2.326	16.0	21.0

262312 2006 TS_{13} 3 17.3 277°.52 2°.0/15.5 17

2 11	12 12.39	+ 3 3.8	1.695	2.529	14.6	21.0
2 21	12 8.33	+ 3 53.1	1.596	2.506	11.1	20.7
3 2	12 1.77	+ 4 56.4	1.520	2.484	6.9	20.4
3 12	11 53.34	+ 6 7.6	1.471	2.460	2.7	20.1
3 22	11 43.97	+ 7 18.5	1.449	2.437	3.9	20.1
4 1	11 34.85	+ 8 20.6	1.454	2.413	8.6	20.3
4 11	11 27.17	+ 9 6.7	1.484	2.389	13.1	20.5
4 21	11 21.77	+ 9 32.9	1.536	2.365	17.1	20.7

384952 2012 TY_{130} 3 17.3 116°.75 2°.9/20.5 17

2 11	12 13.02	− 9 26.3	2.488	3.254	12.6	21.2
2 21	12 7.80	− 9 37.7	2.406	3.266	10.0	21.0
3 2	12 0.90	− 9 35.1	2.347	3.278	7.1	20.9
3 12	11 52.88	− 9 19.7	2.316	3.289	4.2	20.7
3 22	11 44.47	− 8 53.8	2.315	3.301	3.0	20.6
4 1	11 36.43	− 8 21.5	2.343	3.312	5.0	20.8
4 11	11 29.49	− 7 47.3	2.399	3.323	7.9	21.0
4 21	11 24.15	− 7 15.6	2.481	3.334	10.6	21.2

343185 2009 UV_{102} 3 17.3 161°.84 2°.3/18.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 16.53	− 5 50.0	1.421	2.233	18.1	20.6
2 21	12 11.65	− 5 49.0	1.344	2.235	14.2	20.4
3 2	12 3.89	− 5 27.2	1.287	2.238	9.5	20.1
3 12	11 54.06	− 4 47.2	1.255	2.240	4.5	19.8
3 22	11 43.39	− 3 54.9	1.249	2.241	2.9	19.7
4 1	11 33.33	− 2 58.4	1.269	2.243	7.6	20.0
4 11	11 25.19	− 2 6.6	1.314	2.244	12.5	20.3
4 21	11 19.79	− 1 26.3	1.380	2.245	16.7	20.5

500338 2012 SU_{49} 3 17.3 165°.66 1°.5/15.6 17

2 11	12 12.84	+ 4 56.8	2.467	3.285	11.1	21.9
2 21	12 7.66	+ 5 21.0	2.386	3.288	8.3	21.7
3 2	12 0.81	+ 5 51.2	2.331	3.291	5.1	21.5
3 12	11 52.86	+ 6 23.2	2.304	3.293	2.0	21.3
3 22	11 44.50	+ 6 52.8	2.308	3.295	2.8	21.4
4 1	11 36.52	+ 7 15.9	2.341	3.297	6.0	21.6
4 11	11 29.64	+ 7 29.4	2.402	3.299	9.1	21.8
4 21	11 24.34	+ 7 31.7	2.487	3.300	11.8	22.0

423596 2005 WG_{8} 3 17.3 98°.19 4°.4/12.2 18

2 11	12 12.18	+10 6.9	1.976	2.816	12.6	21.1
2 21	12 7.41	+11 41.9	1.925	2.838	9.3	20.9
3 2	12 0.71	+13 20.8	1.901	2.860	6.1	20.8
3 12	11 52.81	+14 54.9	1.905	2.882	4.4	20.7
3 22	11 44.58	+16 16.0	1.938	2.903	6.0	20.8
4 1	11 36.96	+17 18.1	1.999	2.924	9.0	21.0
4 11	11 30.73	+17 58.0	2.084	2.944	11.9	21.3
4 21	11 26.41	+18 15.9	2.191	2.964	14.5	21.5

76220 2000 EY_{68} 3 17.3 198°.02 1°.3/15.8 18

2 11	12 10.81	+ 3 19.1	2.324	3.145	11.6	19.4
2 21	12 6.29	+ 3 55.1	2.240	3.144	8.7	19.2
3 2	12 0.03	+ 4 39.3	2.181	3.142	5.3	19.0
3 12	11 52.61	+ 5 27.3	2.150	3.140	2.0	18.8
3 22	11 44.73	+ 6 14.0	2.149	3.138	2.7	18.8
4 1	11 37.20	+ 6 54.3	2.177	3.136	6.2	19.1
4 11	11 30.77	+ 7 24.2	2.232	3.133	9.5	19.3
4 21	11 25.97	+ 7 41.3	2.311	3.130	12.4	19.4

70516 1999 TQ_{105} 3 17.3 112°.89 1°.1/16.4 18

2 11	12 16.62	+ 2 47.9	1.663	2.489	15.2	18.6
2 21	12 11.22	+ 3 4.2	1.591	2.496	11.4	18.4
3 2	12 3.35	+ 3 30.9	1.542	2.503	7.1	18.2
3 12	11 53.81	+ 4 2.7	1.519	2.509	2.5	17.9
3 22	11 43.70	+ 4 33.6	1.524	2.516	3.0	17.9
4 1	11 34.21	+ 4 57.9	1.557	2.522	7.6	18.2
4 11	11 26.41	+ 5 10.7	1.616	2.528	11.8	18.5
4 21	11 20.98	+ 5 10.0	1.696	2.533	15.4	18.7

169419 2001 XV_{228} 3 17.3 215°.15 3°.6/21.6 18

2 11	12 9.70	−12 48.6	2.537	3.291	12.6	20.6
2 21	12 5.43	−12 52.3	2.440	3.288	10.3	20.4
3 2	11 59.51	−12 39.7	2.365	3.285	7.6	20.2
3 12	11 52.44	−12 11.5	2.317	3.282	5.0	20.0
3 22	11 44.90	−11 30.2	2.297	3.278	3.6	19.9
4 1	11 37.62	−10 39.8	2.307	3.275	5.2	20.0
4 11	11 31.32	− 9 45.7	2.344	3.271	7.9	20.2
4 21	11 26.54	− 8 53.2	2.407	3.267	10.6	20.3

171946 2001 SB_{281} 3 17.3 89°.89 1°.8/15.4 18

2 11	12 13.22	+ 5 58.1	2.314	3.137	11.6	20.1
2 21	12 7.96	+ 6 20.3	2.245	3.150	8.6	19.9
3 2	12 0.99	+ 6 47.7	2.202	3.163	5.3	19.8
3 12	11 52.92	+ 7 15.9	2.188	3.176	2.2	19.6
3 22	11 44.52	+ 7 40.4	2.203	3.189	3.1	19.6
4 1	11 36.60	+ 7 57.5	2.247	3.202	6.3	19.9
4 11	11 29.88	+ 8 4.2	2.318	3.214	9.4	20.1
4 21	11 24.84	+ 7 59.4	2.413	3.227	12.1	20.3

451676 2013 AC_{116} 3 17.3 71°.07 0°.5/16.9 18

2 11	12 15.95	+ 0 16.9	1.335	2.170	17.8	21.4
2 21	12 11.18	+ 0 35.6	1.271	2.179	13.4	21.2
3 2	12 3.52	+ 1 9.9	1.227	2.189	8.4	20.9
3 12	11 53.91	+ 1 54.0	1.209	2.199	2.9	20.6
3 22	11 43.64	+ 2 40.2	1.216	2.209	2.9	20.6
4 1	11 34.16	+ 3 20.5	1.249	2.219	8.3	21.0
4 11	11 26.72	+ 3 48.2	1.306	2.229	13.2	21.3
4 21	11 22.04	+ 3 59.6	1.384	2.239	17.3	21.6

384746 2011 OH_{33} 3 17.3 207°.51 4°.3/11.5 17

2 11	12 10.08	+13 41.5	2.574	3.410	10.2	21.4
2 21	12 5.64	+14 49.9	2.497	3.405	7.7	21.2
3 2	11 59.59	+15 59.7	2.447	3.401	5.4	21.0
3 12	11 52.46	+17 5.0	2.426	3.396	4.3	21.0
3 22	11 44.93	+17 59.9	2.434	3.391	5.6	21.0
4 1	11 37.71	+18 39.9	2.471	3.385	8.0	21.2
4 11	11 31.51	+19 2.6	2.533	3.379	10.5	21.3
4 21	11 26.81	+19 7.5	2.617	3.373	12.8	21.5

39204 2000 XF_{20} 3 17.3 240°.14 2°.7/19.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 15.57	− 6 56.8	1.798	2.591	15.7	19.1
2 21	12 10.59	− 7 3.4	1.700	2.580	12.4	18.9
3 2	12 3.12	− 6 52.6	1.624	2.568	8.5	18.6
3 12	11 53.82	− 6 25.7	1.574	2.555	4.5	18.3
3 22	11 43.65	− 5 46.3	1.551	2.542	2.9	18.2
4 1	11 33.78	− 5 0.2	1.556	2.529	6.6	18.4
4 11	11 25.35	− 4 14.5	1.588	2.515	10.9	18.6
4 21	11 19.18	− 3 35.4	1.643	2.501	14.8	18.8

58528 1997 BH_{7} 3 17.3 37°.48 1°.0/16.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 9.05	+ 1 44.8	2.000	2.828	13.0	19.1
2 21	12 5.15	+ 2 22.0	1.931	2.837	9.7	18.9
3 2	11 59.38	+ 3 9.5	1.885	2.847	5.9	18.7
3 12	11 52.40	+ 4 2.4	1.867	2.857	2.0	18.5
3 22	11 45.01	+ 4 54.7	1.876	2.867	2.6	18.5
4 1	11 38.08	+ 5 40.5	1.914	2.878	6.5	18.8
4 11	11 32.42	+ 6 15.1	1.978	2.888	10.1	19.0
4 21	11 28.55	+ 6 35.9	2.065	2.899	13.1	19.3

343868 2011 HL_{66} 3 17.3 164°.18 4°.9/10.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 11.76	+15 59.3	2.531	3.366	10.3	21.0
2 21	12 6.86	+17 7.9	2.465	3.370	7.9	20.9
3 2	12 0.31	+18 15.7	2.426	3.374	5.7	20.7
3 12	11 52.71	+19 16.5	2.415	3.378	4.9	20.7
3 22	11 44.73	+20 4.7	2.434	3.381	6.2	20.8
4 1	11 37.16	+20 36.2	2.480	3.384	8.4	20.9
4 11	11 30.69	+20 49.3	2.552	3.386	10.8	21.1
4 21	11 25.80	+20 44.2	2.645	3.388	13.0	21.2

297616 2001 TS_{3} 3 17.3 195°.00 0°.7/16.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 16.24	+ 0 29.6	1.830	2.646	14.5	21.9
2 21	12 10.87	+ 1 1.7	1.745	2.644	11.0	21.7
3 2	12 3.15	+ 1 46.9	1.683	2.641	6.8	21.5
3 12	11 53.78	+ 2 40.2	1.648	2.638	2.3	21.2
3 22	11 43.74	+ 3 35.2	1.642	2.634	2.6	21.2
4 1	11 34.14	+ 4 25.1	1.664	2.629	7.2	21.4
4 11	11 26.03	+ 5 4.0	1.713	2.623	11.4	21.7
4 21	11 20.11	+ 5 28.2	1.785	2.616	15.0	21.9

76023 2000 DB_{38} 3 17.3 89°.56 0°.2/17.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 10.81	− 1 30.7	2.083	2.895	13.1	19.5
2 21	12 6.47	− 1 7.9	2.001	2.897	9.9	19.3
3 2	12 0.24	− 0 32.7	1.943	2.899	6.3	19.0
3 12	11 52.72	+ 0 11.1	1.912	2.902	2.3	18.8
3 22	11 44.71	+ 0 58.5	1.910	2.904	1.9	18.7
4 1	11 37.11	+ 1 43.8	1.937	2.906	5.9	19.0
4 11	11 30.73	+ 2 21.9	1.990	2.908	9.6	19.2
4 21	11 26.14	+ 2 49.1	2.068	2.910	12.8	19.5

301522 2009 FX_{23} 3 17.3 321°.24 0°.9/16.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 9.25	+ 1 54.7	2.153	2.977	12.3	20.9
2 21	12 5.30	+ 2 25.7	2.066	2.971	9.2	20.7
3 2	11 59.51	+ 3 6.6	2.004	2.965	5.7	20.4
3 12	11 52.48	+ 3 53.0	1.969	2.960	2.0	20.2
3 22	11 44.94	+ 4 39.7	1.963	2.954	2.5	20.2
4 1	11 37.74	+ 5 21.3	1.986	2.949	6.3	20.4
4 11	11 31.67	+ 5 53.0	2.035	2.944	9.9	20.6
4 21	11 27.31	+ 6 11.9	2.107	2.939	13.0	20.8

3452 Hawke 3 17.3 186°.42 1°.4/16.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 15.12	+ 1 58.8	1.623	2.452	15.4	17.4
2 21	12 10.25	+ 2 37.9	1.545	2.452	11.6	17.2
3 2	12 2.86	+ 3 30.2	1.490	2.452	7.2	16.9
3 12	11 53.70	+ 4 29.7	1.461	2.451	2.5	16.6
3 22	11 43.85	+ 5 28.6	1.460	2.450	3.3	16.7
4 1	11 34.54	+ 6 19.3	1.486	2.449	8.0	17.0
4 11	11 26.89	+ 6 55.5	1.537	2.447	12.4	17.2
4 21	11 21.62	+ 7 14.1	1.610	2.445	16.2	17.5

150934 2001 TL_{78} 3 17.3 142°.26 1°.7/15.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 13.94	+ 4 15.3	2.272	3.091	11.9	21.2
2 21	12 8.58	+ 4 57.8	2.201	3.103	8.9	21.0
3 2	12 1.43	+ 5 47.9	2.154	3.115	5.4	20.8
3 12	11 53.12	+ 6 40.3	2.137	3.125	2.2	20.6
3 22	11 44.43	+ 7 29.7	2.149	3.136	3.1	20.7
4 1	11 36.21	+ 8 11.0	2.191	3.145	6.5	20.9
4 11	11 29.20	+ 8 40.3	2.260	3.154	9.7	21.1
4 21	11 23.94	+ 8 55.9	2.353	3.162	12.5	21.3

29596 1998 HO_{32} 3 17.3 46°.43 2°.5/20.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 6.64	−11 9.9	2.043	2.825	14.4	18.4
2 21	12 3.36	−10 21.9	1.965	2.836	11.4	18.2
3 2	11 58.29	− 9 12.4	1.911	2.848	7.9	18.0
3 12	11 52.04	− 7 45.0	1.882	2.861	4.3	17.8
3 22	11 45.38	− 6 6.0	1.882	2.873	2.6	17.7
4 1	11 39.17	− 4 23.2	1.911	2.886	5.4	17.9
4 11	11 34.16	− 2 45.0	1.968	2.899	8.9	18.2
4 21	11 30.86	− 1 18.2	2.050	2.912	12.1	18.4

255836 2006 SC_{100} 3 17.3 130°.79 2°.4/14.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 14.65	+ 6 17.3	2.280	3.101	11.8	20.9
2 21	12 9.05	+ 7 9.3	2.215	3.119	8.7	20.7
3 2	12 1.69	+ 8 7.1	2.176	3.137	5.4	20.5
3 12	11 53.20	+ 9 5.2	2.166	3.153	2.6	20.4
3 22	11 44.39	+ 9 57.8	2.187	3.169	3.7	20.5
4 1	11 36.08	+10 39.9	2.237	3.183	6.9	20.7
4 11	11 29.03	+11 8.0	2.314	3.198	10.0	20.9
4 21	11 23.73	+11 21.1	2.414	3.211	12.6	21.1

374539 2006 BS_{56} 3 17.3 135°.11 1°.9/15.2 18 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 10.83	+ 3 32.3	2.043	2.871	12.7	21.2
2 21	12 6.49	+ 4 28.4	1.969	2.877	9.5	21.0
3 2	12 0.25	+ 5 34.4	1.920	2.882	5.8	20.8
3 12	11 52.74	+ 6 44.2	1.898	2.887	2.3	20.6
3 22	11 44.77	+ 7 51.0	1.906	2.892	3.4	20.6
4 1	11 37.26	+ 8 48.4	1.942	2.897	7.1	20.9
4 11	11 31.00	+ 9 31.6	2.004	2.901	10.6	21.1
4 21	11 26.56	+ 9 58.1	2.089	2.906	13.6	21.3

98303 2000 SZ_{237} 3 17.3 64°.08 6°.2/12.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 14.04	+12 21.6	1.410	2.266	15.8	18.8
2 21	12 9.64	+13 41.5	1.355	2.274	11.9	18.6
3 2	12 2.50	+15 4.9	1.322	2.282	8.1	18.4
3 12	11 53.57	+16 20.6	1.314	2.290	6.2	18.3
3 22	11 44.07	+17 18.6	1.332	2.298	8.0	18.4
4 1	11 35.36	+17 51.5	1.375	2.306	11.7	18.6
4 11	11 28.59	+17 57.0	1.440	2.315	15.4	18.9
4 21	11 24.42	+17 36.6	1.524	2.323	18.6	19.1

162719 2000 UY_{103} 3 17.3 205°.99 0°.3/17.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 16.18	− 0 7.5	2.018	2.827	13.6	20.9
2 21	12 10.67	+ 0 16.0	1.926	2.821	10.3	20.6
3 2	12 2.98	+ 0 51.5	1.859	2.815	6.5	20.4
3 12	11 53.75	+ 1 35.0	1.818	2.808	2.3	20.1
3 22	11 43.85	+ 2 21.3	1.808	2.800	2.2	20.1
4 1	11 34.33	+ 3 4.4	1.826	2.792	6.5	20.3
4 11	11 26.13	+ 3 39.0	1.872	2.782	10.5	20.6
4 21	11 19.95	+ 4 1.5	1.941	2.772	14.0	20.8

190724 2001 OQ_{64} 3 17.3 147°.55 0°.5/16.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 16.96	− 0 13.6	1.826	2.639	14.7	21.5
2 21	12 11.27	+ 0 21.5	1.753	2.650	11.1	21.3
3 2	12 3.31	+ 1 9.9	1.703	2.661	6.9	21.1
3 12	11 53.83	+ 2 6.4	1.681	2.671	2.3	20.8
3 22	11 43.83	+ 3 4.4	1.687	2.680	2.4	20.8
4 1	11 34.41	+ 3 57.2	1.723	2.688	6.9	21.1
4 11	11 26.55	+ 4 38.8	1.785	2.695	11.0	21.4
4 21	11 20.88	+ 5 6.0	1.870	2.701	14.4	21.6

120406 2005 SV_{15} 3 17.3 351°.89 2°.4/19.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 6.67	− 6 30.0	1.295	2.126	18.4	19.1
2 21	12 4.46	− 6 21.3	1.217	2.119	14.5	18.9
3 2	11 59.52	− 5 48.3	1.159	2.113	9.8	18.6
3 12	11 52.61	− 4 54.2	1.123	2.108	4.7	18.3
3 22	11 44.85	− 3 45.6	1.111	2.104	2.9	18.1
4 1	11 37.61	− 2 32.3	1.124	2.102	7.6	18.4
4 11	11 32.14	− 1 24.9	1.160	2.101	12.7	18.7
4 21	11 29.27	− 0 31.7	1.216	2.101	17.2	18.9

383171 2005 VT_{98} 3 17.3 140°.75 14°.7/30.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 18.00	−32 36.6	1.397	2.064	24.7	21.2
2 21	12 13.52	−34 1.9	1.323	2.073	22.4	21.1
3 2	12 5.50	−34 48.4	1.262	2.081	19.8	20.9
3 12	11 54.80	−34 47.6	1.217	2.088	17.3	20.7
3 22	11 42.88	−33 55.6	1.191	2.094	15.3	20.6
4 1	11 31.61	−32 15.9	1.187	2.100	14.7	20.6
4 11	11 22.68	−30 1.1	1.203	2.106	15.7	20.7
4 21	11 17.15	−27 28.4	1.241	2.110	17.9	20.8

222259 2000 QD_{165} 3 17.3 138°.72 4°.0/21.5 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 15.00	−12 34.8	2.316	3.067	13.8	21.1
2 21	12 9.47	−12 51.1	2.232	3.078	11.2	21.0
3 2	12 2.06	−12 50.4	2.171	3.089	8.2	20.8
3 12	11 53.38	−12 33.2	2.136	3.100	5.4	20.6
3 22	11 44.22	−12 1.9	2.130	3.110	4.0	20.6
4 1	11 35.46	−11 20.6	2.153	3.119	5.6	20.7
4 11	11 27.91	−10 35.1	2.204	3.128	8.5	20.9
4 21	11 22.15	− 9 50.7	2.281	3.136	11.3	21.1

394394 2007 EZ_{93} 3 17.3 195°.72 0°.1/17.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 14.65	− 2 26.6	1.881	2.689	14.5	22.2
2 21	12 9.65	− 1 35.9	1.792	2.687	11.0	22.0
3 2	12 2.40	− 0 28.3	1.727	2.683	7.0	21.7
3 12	11 53.56	+ 0 51.1	1.689	2.679	2.4	21.4
3 22	11 44.05	+ 2 15.2	1.681	2.674	2.3	21.4
4 1	11 34.94	+ 3 35.6	1.701	2.667	6.9	21.7
4 11	11 27.23	+ 4 45.0	1.749	2.660	11.1	21.9
4 21	11 21.63	+ 5 38.3	1.820	2.652	14.7	22.1

81846 2000 KH_{58} 3 17.3 237°.60 7°.1/ 9.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 14.19	+18 54.3	1.974	2.815	12.5	19.5
2 21	12 9.30	+20 18.0	1.901	2.806	9.9	19.3
3 2	12 2.16	+21 40.0	1.853	2.795	7.7	19.1
3 12	11 53.46	+22 51.1	1.832	2.785	7.1	19.1
3 22	11 44.15	+23 43.2	1.838	2.773	8.7	19.1
4 1	11 35.28	+24 10.8	1.870	2.762	11.4	19.3
4 11	11 27.85	+24 12.2	1.925	2.750	14.2	19.4
4 21	11 22.53	+23 49.1	1.999	2.738	16.7	19.6

215899 2005 GQ_{104} 3 17.3 293°.46 0°.2/17.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 10.44	− 1 58.1	1.565	2.393	15.9	21.2
2 21	12 6.92	− 1 17.1	1.478	2.383	12.2	21.0
3 2	12 0.91	− 0 17.5	1.413	2.373	7.7	20.7
3 12	11 53.09	+ 0 55.8	1.374	2.364	2.7	20.3
3 22	11 44.47	+ 2 14.7	1.361	2.354	2.5	20.3
4 1	11 36.26	+ 3 30.1	1.375	2.345	7.7	20.6
4 11	11 29.61	+ 4 33.2	1.414	2.336	12.4	20.8
4 21	11 25.29	+ 5 18.5	1.474	2.327	16.5	21.1

386511 2009 BC_{113} 3 17.3 322°.46 3°.9/21.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 11.33	−11 21.4	2.210	2.977	13.9	20.8
2 21	12 6.91	−11 41.2	2.117	2.974	11.3	20.6
3 2	12 0.58	−11 44.5	2.046	2.971	8.3	20.4
3 12	11 52.91	−11 31.7	2.000	2.968	5.3	20.2
3 22	11 44.66	−11 4.9	1.983	2.965	3.9	20.1
4 1	11 36.71	−10 28.2	1.994	2.963	5.7	20.2
4 11	11 29.90	− 9 47.2	2.032	2.960	8.8	20.4
4 21	11 24.86	− 9 7.4	2.094	2.958	11.8	20.6

65033 2002 AW_{112} 3 17.3 170°.54 2°.3/15.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 15.79	+ 4 50.6	1.909	2.735	13.6	20.0
2 21	12 10.37	+ 5 41.8	1.833	2.739	10.1	19.8
3 2	12 2.76	+ 6 42.3	1.782	2.743	6.3	19.5
3 12	11 53.67	+ 7 45.5	1.758	2.746	2.7	19.3
3 22	11 44.02	+ 8 44.4	1.763	2.748	3.9	19.4
4 1	11 34.88	+ 9 32.4	1.797	2.749	7.8	19.6
4 11	11 27.20	+10 4.9	1.857	2.750	11.5	19.8
4 21	11 21.61	+10 20.0	1.939	2.750	14.8	20.1

456919 2007 XS_{29} 3 17.3 96°.45 2°.1/15.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 15.81	+ 3 55.7	1.668	2.499	15.0	22.0
2 21	12 10.45	+ 4 44.0	1.611	2.520	11.1	21.8
3 2	12 2.78	+ 5 42.3	1.577	2.540	6.8	21.6
3 12	11 53.64	+ 6 43.4	1.570	2.559	2.7	21.4
3 22	11 44.10	+ 7 39.9	1.591	2.579	3.8	21.5
4 1	11 35.29	+ 8 24.8	1.640	2.597	8.0	21.8
4 11	11 28.19	+ 8 53.7	1.714	2.616	11.9	22.1
4 21	11 23.36	+ 9 4.9	1.810	2.634	15.2	22.3

388289 2006 SN_{77} 3 17.3 109°.65 1°.7/19.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 8.24	− 7 45.1	2.489	3.272	12.1	21.6
2 21	12 4.27	− 7 15.2	2.406	3.281	9.4	21.4
3 2	11 58.75	− 6 30.4	2.347	3.289	6.4	21.2
3 12	11 52.21	− 5 33.5	2.315	3.297	3.2	21.0
3 22	11 45.31	− 4 28.9	2.313	3.305	1.9	20.9
4 1	11 38.75	− 3 21.8	2.341	3.313	4.7	21.2
4 11	11 33.19	− 2 18.0	2.396	3.321	7.9	21.4
4 21	11 29.10	− 1 21.8	2.478	3.329	10.7	21.6

154359 2002 XZ_{48} 3 17.3 210°.24 0°.7/16.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 15.20	− 0 16.4	1.644	2.466	15.6	20.7
2 21	12 10.39	+ 0 24.0	1.559	2.461	11.8	20.4
3 2	12 3.02	+ 1 20.3	1.496	2.456	7.4	20.2
3 12	11 53.83	+ 2 27.1	1.460	2.450	2.5	19.8
3 22	11 43.85	+ 3 36.7	1.451	2.443	2.8	19.8
4 1	11 34.33	+ 4 40.8	1.470	2.436	7.8	20.1
4 11	11 26.41	+ 5 31.9	1.515	2.428	12.4	20.4
4 21	11 20.87	+ 6 5.7	1.581	2.420	16.3	20.6

519145 2010 NG_{16} 3 17.3 266°.17 0°.9/16.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 14.42	+ 3 32.6	2.223	3.040	12.2	21.1
2 21	12 9.15	+ 3 38.7	2.132	3.033	9.2	20.9
3 2	12 1.94	+ 3 51.7	2.066	3.025	5.7	20.6
3 12	11 53.39	+ 4 8.0	2.028	3.018	2.0	20.4
3 22	11 44.27	+ 4 23.7	2.019	3.010	2.4	20.4
4 1	11 35.50	+ 4 34.7	2.040	3.002	6.2	20.6
4 11	11 27.93	+ 4 37.8	2.088	2.994	9.8	20.8
4 21	11 22.15	+ 4 30.8	2.159	2.987	12.9	21.0

489267 2006 SG_{17} 3 17.3 140°.43 0°.0/17.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 12.17	+ 0 3.9	2.644	3.447	10.9	21.2
2 21	12 7.08	+ 0 15.4	2.562	3.454	8.2	21.0
3 2	12 0.45	+ 0 35.0	2.506	3.461	5.2	20.8
3 12	11 52.81	+ 0 59.9	2.478	3.468	1.8	20.6
3 22	11 44.81	+ 1 26.7	2.481	3.474	1.6	20.6
4 1	11 37.16	+ 1 51.6	2.514	3.480	4.9	20.8
4 11	11 30.50	+ 2 11.3	2.575	3.486	8.0	21.0
4 21	11 25.32	+ 2 23.1	2.661	3.491	10.7	21.2

310969 2003 UF_{174} 3 17.3 153°.60 0°.7/18.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 14.86	− 3 29.8	2.086	2.884	13.6	22.0
2 21	12 9.49	− 3 1.9	2.007	2.894	10.4	21.8
3 2	12 2.13	− 2 19.8	1.951	2.902	6.7	21.6
3 12	11 53.43	− 1 27.3	1.923	2.910	2.6	21.3
3 22	11 44.26	− 0 29.7	1.924	2.918	1.8	21.3
4 1	11 35.55	+ 0 27.0	1.955	2.924	5.9	21.5
4 11	11 28.16	+ 1 16.9	2.014	2.930	9.6	21.8
4 21	11 22.67	+ 1 55.7	2.097	2.935	12.8	22.0

498843 2008 WM_{76} 3 17.3 166°.59 0°.8/16.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 10.45	+ 1 2.7	2.248	3.066	12.1	22.2
2 21	12 6.09	+ 1 43.0	2.167	3.068	9.1	22.0
3 2	11 59.97	+ 2 33.7	2.110	3.070	5.6	21.8
3 12	11 52.68	+ 3 30.3	2.081	3.071	1.9	21.6
3 22	11 44.93	+ 4 27.4	2.081	3.073	2.3	21.6
4 1	11 37.56	+ 5 19.2	2.111	3.074	6.0	21.8
4 11	11 31.31	+ 6 1.1	2.168	3.075	9.5	22.0
4 21	11 26.72	+ 6 30.1	2.248	3.075	12.5	22.2

72137 2000 YT_{81} 3 17.3 172°.40 0°.3/17.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 14.57	− 2 47.0	2.096	2.896	13.4	20.6
2 21	12 9.31	− 2 11.9	2.011	2.901	10.3	20.4
3 2	12 2.05	− 1 22.7	1.951	2.904	6.5	20.2
3 12	11 53.42	− 0 23.4	1.918	2.907	2.4	19.9
3 22	11 44.27	+ 0 40.4	1.915	2.909	1.9	19.9
4 1	11 35.54	+ 1 42.3	1.942	2.910	6.0	20.1
4 11	11 28.09	+ 2 36.2	1.997	2.910	9.8	20.4
4 21	11 22.54	+ 3 18.0	2.075	2.910	13.1	20.6

466173 2012 JG_{39} 3 17.3 248°.20 0°.5/16.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 11.33	− 0 23.1	2.097	2.912	12.9	22.3
2 21	12 7.03	+ 0 19.0	1.999	2.898	9.8	22.1
3 2	12 0.73	+ 1 14.6	1.925	2.883	6.1	21.8
3 12	11 53.00	+ 2 19.2	1.878	2.868	2.1	21.5
3 22	11 44.61	+ 3 26.8	1.860	2.852	2.3	21.5
4 1	11 36.49	+ 4 30.7	1.871	2.836	6.5	21.7
4 11	11 29.54	+ 5 24.8	1.910	2.820	10.4	21.9
4 21	11 24.39	+ 6 4.8	1.971	2.803	13.8	22.1

237309 2008 YT_{99} 3 17.3 243°.67 0°.9/18.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 10.26	− 3 47.5	2.268	3.069	12.5	21.5
2 21	12 6.01	− 3 29.4	2.176	3.064	9.7	21.3
3 2	11 59.97	− 2 58.2	2.108	3.059	6.3	21.0
3 12	11 52.70	− 2 16.8	2.067	3.054	2.6	20.8
3 22	11 44.91	− 1 29.4	2.056	3.049	1.7	20.7
4 1	11 37.43	− 0 41.4	2.073	3.044	5.4	20.9
4 11	11 31.04	+ 0 2.2	2.118	3.039	8.9	21.1
4 21	11 26.30	+ 0 37.0	2.187	3.033	12.1	21.3

286104 2001 TP_{92} 3 17.3 201°.09 2°.3/19.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 14.88	− 8 12.8	1.962	2.745	14.9	22.4
2 21	12 9.82	− 7 51.6	1.867	2.740	11.7	22.2
3 2	12 2.53	− 7 11.2	1.794	2.735	8.0	21.9
3 12	11 53.65	− 6 13.9	1.748	2.729	4.1	21.7
3 22	11 44.07	− 5 4.5	1.731	2.723	2.6	21.5
4 1	11 34.84	− 3 50.0	1.743	2.715	6.1	21.8
4 11	11 26.97	− 2 38.2	1.782	2.706	10.1	22.0
4 21	11 21.13	− 1 35.6	1.846	2.697	13.8	22.2

462040 2007 DQ_{2} 3 17.3 47°.51 0°.6/16.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 15.11	+ 1 19.9	1.437	2.271	16.8	20.9
2 21	12 10.22	+ 1 33.3	1.383	2.292	12.6	20.7
3 2	12 2.76	+ 1 59.3	1.351	2.313	7.8	20.4
3 12	11 53.67	+ 2 32.5	1.344	2.334	2.6	20.2
3 22	11 44.15	+ 3 6.0	1.364	2.356	2.8	20.2
4 1	11 35.48	+ 3 33.5	1.410	2.379	7.7	20.6
4 11	11 28.72	+ 3 49.7	1.481	2.401	12.0	20.9
4 21	11 24.46	+ 3 52.0	1.573	2.424	15.7	21.2

406431 2007 TZ_{235} 3 17.3 70°.09 1°.5/16.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 14.31	+ 1 39.1	1.445	2.281	16.6	21.6
2 21	12 9.65	+ 2 23.7	1.389	2.299	12.4	21.4
3 2	12 2.43	+ 3 22.1	1.355	2.318	7.6	21.1
3 12	11 53.57	+ 4 27.0	1.346	2.336	2.6	20.9
3 22	11 44.24	+ 5 29.7	1.364	2.355	3.4	21.0
4 1	11 35.71	+ 6 22.1	1.409	2.373	8.2	21.3
4 11	11 29.05	+ 6 58.2	1.478	2.392	12.6	21.6
4 21	11 24.87	+ 7 15.6	1.569	2.410	16.2	21.9

48633 1995 SH_{38} 3 17.3 208°.80 0°.1/17.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 11.03	− 1 45.0	2.207	3.015	12.6	20.6
2 21	12 6.63	− 1 7.4	2.117	3.011	9.6	20.4
3 2	12 0.38	− 0 16.6	2.051	3.007	6.0	20.1
3 12	11 52.86	+ 0 43.1	2.012	3.002	2.1	19.9
3 22	11 44.81	+ 1 46.5	2.003	2.996	1.9	19.8
4 1	11 37.08	+ 2 47.4	2.024	2.991	5.9	20.1
4 11	11 30.49	+ 3 40.2	2.071	2.985	9.5	20.3
4 21	11 25.61	+ 4 20.9	2.143	2.978	12.7	20.5

343106 2009 DT_{69} 3 17.3 59°.87 0°.2/17.5 17 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 10.12	− 1 23.0	2.167	2.979	12.7	20.9
2 21	12 5.90	− 0 59.8	2.088	2.984	9.6	20.7
3 2	11 59.88	− 0 24.9	2.034	2.990	6.1	20.5
3 12	11 52.67	+ 0 17.9	2.006	2.996	2.2	20.2
3 22	11 45.03	+ 1 3.9	2.008	3.001	1.8	20.2
4 1	11 37.78	+ 1 47.8	2.038	3.007	5.7	20.5
4 11	11 31.71	+ 2 24.5	2.096	3.013	9.2	20.7
4 21	11 27.33	+ 2 50.8	2.177	3.019	12.3	20.9

489368 2006 UT_{191} 3 17.3 191°.85 0°.6/18.1 18

2 11	12 10.68	− 2 48.0	3.081	3.870	9.9	22.0
2 21	12 5.85	− 2 32.0	2.985	3.868	7.5	21.9
3 2	11 59.66	− 2 7.1	2.916	3.865	4.9	21.7
3 12	11 52.58	− 1 35.4	2.875	3.862	2.0	21.5
3 22	11 45.12	− 1 0.0	2.865	3.859	1.3	21.4
4 1	11 37.91	− 0 24.4	2.886	3.855	4.2	21.6
4 11	11 31.50	+ 0 7.8	2.936	3.850	7.0	21.8
4 21	11 26.34	+ 0 33.8	3.013	3.845	9.5	21.9

495116 2011 UV_{282} 3 17.3 207°.64 1°.5/18.7 17

2 11	12 13.17	− 6 9.4	1.771	2.572	15.5	22.4
2 21	12 8.72	− 5 37.2	1.681	2.568	12.1	22.2
3 2	12 1.94	− 4 45.1	1.614	2.563	8.0	21.9
3 12	11 53.48	− 3 36.4	1.573	2.558	3.6	21.7
3 22	11 44.30	− 2 17.6	1.559	2.553	2.2	21.6
4 1	11 35.53	− 0 56.7	1.574	2.546	6.6	21.8
4 11	11 28.20	+ 0 17.5	1.615	2.540	11.0	22.1
4 21	11 23.05	+ 1 18.8	1.680	2.532	14.8	22.3

89873 2002 CT_{158} 3 17.3 113°.22 3°.9/12.7 18

2 11	12 11.30	+ 8 49.5	2.071	2.908	12.2	20.0
2 21	12 6.79	+10 16.9	2.011	2.923	9.0	19.9
3 2	12 0.42	+11 49.7	1.978	2.938	5.8	19.7
3 12	11 52.85	+13 20.1	1.972	2.953	3.9	19.6
3 22	11 44.92	+14 40.2	1.997	2.967	5.4	19.7
4 1	11 37.49	+15 43.8	2.049	2.981	8.4	19.9
4 11	11 31.35	+16 27.2	2.127	2.994	11.4	20.1
4 21	11 27.02	+16 49.8	2.226	3.007	14.1	20.3

94156 2001 AP_{8} 3 17.3 180°.97 3°.2/21.3 17

2 11	12 11.70	−12 25.3	2.630	3.380	12.3	20.6
2 21	12 6.89	−12 16.6	2.534	3.382	10.0	20.4
3 2	12 0.44	−11 51.5	2.461	3.382	7.3	20.2
3 12	11 52.89	−11 11.4	2.415	3.382	4.6	20.1
3 22	11 44.88	−10 19.0	2.398	3.382	3.2	20.0
4 1	11 37.16	− 9 18.8	2.412	3.381	4.9	20.1
4 11	11 30.42	− 8 16.4	2.454	3.379	7.7	20.2
4 21	11 25.19	− 7 17.0	2.522	3.376	10.4	20.4

241160 2007 RE_{91} 3 17.3 252°.41 0°.3/17.7 18

2 11	12 8.11	− 3 55.8	2.204	3.010	12.7	20.5
2 21	12 4.48	− 3 1.9	2.110	3.003	9.7	20.2
3 2	11 59.07	− 1 52.0	2.041	2.996	6.2	20.0
3 12	11 52.44	− 0 30.4	2.000	2.988	2.3	19.7
3 22	11 45.28	+ 0 56.8	1.987	2.981	1.8	19.7
4 1	11 38.42	+ 2 22.4	2.004	2.973	5.8	19.9
4 11	11 32.64	+ 3 39.6	2.049	2.965	9.4	20.1
4 21	11 28.50	+ 4 43.5	2.118	2.958	12.7	20.3

82092 Kalocsa 3 17.3 106°.61 0°.1/17.2 18

2 11	12 14.23	− 1 48.1	1.734	2.550	15.2	20.7
2 21	12 9.30	− 1 6.8	1.668	2.567	11.5	20.5
3 2	12 2.12	− 0 10.1	1.626	2.583	7.2	20.2
3 12	11 53.50	+ 0 56.3	1.610	2.600	2.5	20.0
3 22	11 44.42	+ 2 5.3	1.622	2.615	2.3	20.0
4 1	11 35.97	+ 3 9.3	1.663	2.631	6.8	20.3
4 11	11 29.09	+ 4 1.7	1.729	2.645	10.9	20.6
4 21	11 24.38	+ 4 38.7	1.819	2.660	14.4	20.8

31125 1997 SL_{1} 3 17.3 75°.69 0°.1/17.3 18

2 11	12 12.27	− 2 20.4	1.440	2.269	17.0	18.6
2 21	12 8.39	− 1 39.0	1.367	2.272	13.0	18.3
3 2	12 1.86	− 0 38.0	1.315	2.275	8.2	18.1
3 12	11 53.49	+ 0 36.6	1.288	2.278	2.9	17.7
3 22	11 44.41	+ 1 56.3	1.287	2.281	2.6	17.7
4 1	11 35.92	+ 3 11.2	1.313	2.284	7.9	18.0
4 11	11 29.21	+ 4 12.6	1.364	2.287	12.7	18.3
4 21	11 25.00	+ 4 55.3	1.435	2.290	16.8	18.6

30734 1981 ES_{3} 3 17.3 135°.12 4°.5/22.0 18 R

2 11	12 14.96	−14 2.8	2.250	2.995	14.3	18.9
2 21	12 9.55	−14 22.1	2.166	3.006	11.7	18.7
3 2	12 2.21	−14 23.0	2.104	3.017	8.8	18.5
3 12	11 53.54	−14 5.9	2.069	3.028	6.0	18.4
3 22	11 44.37	−13 32.8	2.061	3.038	4.5	18.3
4 1	11 35.61	−12 48.2	2.083	3.047	5.9	18.4
4 11	11 28.10	−11 57.9	2.132	3.056	8.7	18.6
4 21	11 22.42	−11 8.1	2.206	3.065	11.5	18.8

158086 2000 VT_{44} 3 17.3 177°.99 16°.8/ 5.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 33.53	+36 49.3	1.255	2.070	19.9	20.0
2 21	12 25.32	+38 36.0	1.216	2.072	18.0	19.8
3 2	12 12.74	+39 55.9	1.196	2.073	16.9	19.8
3 12	11 57.30	+40 31.9	1.196	2.073	17.1	19.8
3 22	11 41.25	+40 14.5	1.217	2.073	18.5	19.9
4 1	11 26.95	+39 3.5	1.258	2.073	20.6	20.0
4 11	11 16.15	+37 7.8	1.315	2.072	23.0	20.2
4 21	11 9.52	+34 40.0	1.386	2.070	25.1	20.3

411265 2010 RP_{139} 3 17.3 152°.50 0°.3/17.6 17

2 11	12 13.03	− 3 8.8	1.996	2.802	13.9	22.4
2 21	12 8.24	− 2 26.4	1.917	2.809	10.6	22.2
3 2	12 1.44	− 1 28.8	1.862	2.817	6.7	22.0
3 12	11 53.28	− 0 20.4	1.834	2.823	2.5	21.7
3 22	11 44.63	+ 0 52.4	1.836	2.829	1.9	21.7
4 1	11 36.43	+ 2 2.7	1.866	2.835	6.1	22.0
4 11	11 29.56	+ 3 3.7	1.924	2.840	10.0	22.2
4 21	11 24.61	+ 3 51.3	2.006	2.844	13.3	22.5

431239 2006 TR_{15} 3 17.3 232°.16 3°.6/22.4 17

2 11	12 7.76	−15 40.9	2.601	3.341	12.7	21.4
2 21	12 4.03	−15 9.9	2.495	3.333	10.4	21.3
3 2	11 58.71	−14 18.7	2.413	3.326	7.8	21.1
3 12	11 52.31	−13 8.8	2.356	3.318	5.2	20.9
3 22	11 45.45	−11 43.6	2.329	3.309	3.6	20.8
4 1	11 38.84	−10 8.7	2.331	3.301	5.0	20.9
4 11	11 33.17	− 8 30.9	2.363	3.292	7.7	21.0
4 21	11 28.94	− 6 57.0	2.421	3.283	10.5	21.2

149944 2005 SD_{250} 3 17.3 225°.91 1°.5/15.8 17

2 11	12 12.12	+ 2 14.2	2.029	2.852	13.0	21.3
2 21	12 7.65	+ 3 3.3	1.940	2.844	9.8	21.0
3 2	12 1.15	+ 4 3.9	1.875	2.836	6.0	20.8
3 12	11 53.21	+ 5 10.7	1.837	2.827	2.2	20.5
3 22	11 44.67	+ 6 17.2	1.829	2.818	3.1	20.6
4 1	11 36.46	+ 7 16.4	1.849	2.808	7.1	20.8
4 11	11 29.50	+ 8 2.8	1.896	2.798	10.9	21.0
4 21	11 24.42	+ 8 33.1	1.966	2.788	14.2	21.2

233931 2009 UF_{103} 3 17.3 115°.23 2°.9/14.3 18

2 11	12 13.48	+ 7 33.7	2.108	2.938	12.3	21.1
2 21	12 8.38	+ 8 24.4	2.044	2.953	9.1	20.9
3 2	12 1.41	+ 9 20.5	2.006	2.967	5.7	20.7
3 12	11 53.24	+10 15.8	1.995	2.980	3.0	20.6
3 22	11 44.70	+11 4.2	2.014	2.993	4.2	20.7
4 1	11 36.69	+11 40.7	2.061	3.006	7.5	20.9
4 11	11 29.99	+12 1.9	2.134	3.019	10.6	21.1
4 21	11 25.13	+12 7.0	2.230	3.031	13.4	21.3

423476 2005 SC_{250} 3 17.3 144°.76 1°.3/15.8 17

2 11	12 13.34	+ 2 38.7	2.345	3.160	11.8	22.8
2 21	12 8.14	+ 3 25.0	2.272	3.172	8.8	22.6
3 2	12 1.21	+ 4 20.0	2.224	3.183	5.4	22.4
3 12	11 53.17	+ 5 18.7	2.205	3.194	2.0	22.2
3 22	11 44.76	+ 6 15.8	2.216	3.204	2.7	22.2
4 1	11 36.77	+ 7 5.9	2.257	3.214	6.1	22.5
4 11	11 29.95	+ 7 44.7	2.326	3.223	9.3	22.7
4 21	11 24.79	+ 8 10.2	2.418	3.231	12.1	22.9

359843 2011 UL_{343} 3 17.3 7°.16 3°.0/15.3 18

2 11	12 15.95	+ 6 32.1	1.365	2.213	16.7	20.6
2 21	12 11.31	+ 6 58.8	1.296	2.213	12.6	20.3
3 2	12 3.76	+ 7 34.2	1.249	2.213	7.9	20.1
3 12	11 54.18	+ 8 10.9	1.225	2.214	3.5	19.8
3 22	11 43.86	+ 8 41.0	1.228	2.215	4.8	19.9
4 1	11 34.24	+ 8 57.6	1.257	2.216	9.6	20.2
4 11	11 26.60	+ 8 56.3	1.308	2.218	14.2	20.4
4 21	11 21.72	+ 8 36.3	1.380	2.220	18.1	20.7

239202 2006 OX 3 17.3 238°.63 0°.4/17.9 18

2 11	12 8.29	− 4 1.3	2.406	3.207	11.9	20.8
2 21	12 4.49	− 3 13.2	2.309	3.198	9.1	20.6
3 2	11 59.04	− 2 10.6	2.237	3.190	5.9	20.3
3 12	11 52.44	− 0 57.3	2.193	3.181	2.3	20.1
3 22	11 45.36	+ 0 21.5	2.179	3.172	1.6	20.0
4 1	11 38.54	+ 1 39.5	2.194	3.163	5.3	20.2
4 11	11 32.71	+ 2 50.5	2.238	3.154	8.8	20.4
4 21	11 28.38	+ 3 50.2	2.306	3.144	11.8	20.6

377880 2006 DM_{25} 3 17.3 81°.42 0°.3/17.0 17

2 11	12 11.24	− 0 28.6	1.929	2.748	13.7	21.3
2 21	12 6.98	+ 0 2.9	1.851	2.752	10.4	21.1
3 2	12 0.69	+ 0 47.3	1.798	2.756	6.5	20.9
3 12	11 53.03	+ 1 39.8	1.771	2.761	2.2	20.6
3 22	11 44.87	+ 2 34.6	1.772	2.765	2.2	20.6
4 1	11 37.17	+ 3 25.4	1.802	2.769	6.4	20.9
4 11	11 30.78	+ 4 6.4	1.858	2.773	10.3	21.1
4 21	11 26.32	+ 4 34.2	1.937	2.778	13.6	21.3

502320 2015 BJ_{160} 3 17.3 123°.67 1°.2/18.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 11.32	− 4 59.0	2.122	2.920	13.4	21.7
2 21	12 6.86	− 4 34.4	2.042	2.928	10.3	21.5
3 2	12 0.54	− 3 55.0	1.987	2.936	6.8	21.3
3 12	11 52.98	− 3 4.1	1.958	2.944	2.9	21.1
3 22	11 44.95	− 2 6.5	1.957	2.951	1.8	21.0
4 1	11 37.35	− 1 8.3	1.986	2.958	5.5	21.3
4 11	11 30.97	− 0 15.5	2.043	2.965	9.1	21.5
4 21	11 26.36	+ 0 27.7	2.123	2.972	12.3	21.7

116569 2004 BD_{87} 3 17.3 23°.76 4°.9/10.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 7.42	+10 58.0	2.113	2.960	11.6	19.0
2 21	12 4.02	+12 55.8	2.045	2.961	8.7	18.8
3 2	11 58.81	+14 59.2	2.004	2.962	6.0	18.6
3 12	11 52.38	+16 59.1	1.991	2.963	4.9	18.6
3 22	11 45.47	+18 46.4	2.008	2.964	6.6	18.7
4 1	11 38.94	+20 13.8	2.053	2.966	9.5	18.8
4 11	11 33.56	+21 17.0	2.122	2.967	12.3	19.0
4 21	11 29.89	+21 55.2	2.213	2.968	14.8	19.2

134046 2004 XM_{22} 3 17.3 54°.66 0°.4/17.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 12.94	− 2 48.6	1.321	2.153	18.1	20.4
2 21	12 8.94	− 2 18.2	1.261	2.167	13.8	20.2
3 2	12 2.19	− 1 27.9	1.222	2.181	8.7	19.9
3 12	11 53.61	− 0 23.7	1.207	2.196	3.2	19.6
3 22	11 44.44	+ 0 45.8	1.217	2.211	2.5	19.6
4 1	11 36.07	+ 1 50.9	1.254	2.227	7.8	20.0
4 11	11 29.65	+ 2 43.2	1.314	2.242	12.6	20.3
4 21	11 25.86	+ 3 18.0	1.395	2.258	16.7	20.6

31083 1996 XE_{32} 3 17.3 25°.88 1°.9/15.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 12.35	+ 5 13.5	1.727	2.564	14.2	18.3
2 21	12 7.90	+ 5 29.6	1.664	2.576	10.6	18.1
3 2	12 1.28	+ 5 52.8	1.625	2.588	6.5	17.9
3 12	11 53.24	+ 6 18.1	1.612	2.601	2.6	17.7
3 22	11 44.77	+ 6 39.9	1.626	2.615	3.4	17.8
4 1	11 36.92	+ 6 53.1	1.667	2.629	7.4	18.0
4 11	11 30.60	+ 6 54.4	1.734	2.644	11.2	18.3
4 21	11 26.40	+ 6 42.4	1.822	2.660	14.5	18.5

172362 2002 XM_{55} 3 17.3 24°.90 3°.4/21.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 8.31	−11 17.1	1.992	2.772	14.8	19.3
2 21	12 4.80	−11 6.3	1.909	2.776	11.9	19.1
3 2	11 59.35	−10 35.3	1.848	2.780	8.5	18.9
3 12	11 52.58	− 9 46.1	1.811	2.785	5.1	18.7
3 22	11 45.31	− 8 42.8	1.803	2.790	3.4	18.6
4 1	11 38.44	− 7 31.7	1.822	2.796	5.7	18.8
4 11	11 32.80	− 6 20.5	1.868	2.801	9.1	19.0
4 21	11 28.98	− 5 15.6	1.938	2.807	12.4	19.2

358558 2007 TP_{201} 3 17.3 157°.41 4°.4/13.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 17.02	+10 51.8	1.829	2.665	13.6	20.7
2 21	12 11.41	+11 48.8	1.761	2.671	10.2	20.5
3 2	12 3.49	+12 49.5	1.718	2.676	6.7	20.3
3 12	11 54.04	+13 46.1	1.702	2.682	4.5	20.2
3 22	11 44.08	+14 31.2	1.714	2.686	5.9	20.3
4 1	11 34.71	+14 59.2	1.754	2.690	9.3	20.5
4 11	11 26.93	+15 7.2	1.819	2.693	12.7	20.7
4 21	11 21.36	+14 55.5	1.906	2.696	15.7	20.9

415818 2001 QX_{151} 3 17.3 132°.57 9°.1/28.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 20.75	−31 56.0	2.727	3.320	15.1	21.8
2 21	12 13.92	−33 2.1	2.643	3.340	13.6	21.7
3 2	12 4.99	−33 45.5	2.578	3.358	11.9	21.6
3 12	11 54.60	−34 3.0	2.536	3.376	10.4	21.5
3 22	11 43.58	−33 53.4	2.518	3.393	9.4	21.5
4 1	11 32.92	−33 18.5	2.527	3.409	9.2	21.5
4 11	11 23.52	−32 23.7	2.562	3.424	9.9	21.6
4 21	11 16.06	−31 15.9	2.621	3.438	11.2	21.7

366899 2005 TB_{172} 3 17.3 169°.25 0°.9/18.3 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 13.71	− 3 53.4	2.503	3.291	11.9	22.4
2 21	12 8.40	− 3 32.2	2.415	3.297	9.1	22.2
3 2	12 1.41	− 2 59.0	2.353	3.301	5.9	22.0
3 12	11 53.29	− 2 16.7	2.318	3.305	2.5	21.8
3 22	11 44.74	− 1 29.3	2.315	3.308	1.6	21.7
4 1	11 36.53	− 0 41.5	2.341	3.310	5.0	22.0
4 11	11 29.38	+ 0 1.8	2.396	3.312	8.3	22.2
4 21	11 23.82	+ 0 37.1	2.477	3.313	11.2	22.4

240577 2004 TW_{71} 3 17.3 234°.77 0°.8/16.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 15.66	+ 0 41.4	1.738	2.558	14.9	21.6
2 21	12 10.74	+ 1 12.2	1.645	2.547	11.4	21.3
3 2	12 3.33	+ 1 56.9	1.576	2.535	7.1	21.0
3 12	11 54.08	+ 2 50.5	1.533	2.523	2.5	20.7
3 22	11 44.00	+ 3 46.4	1.518	2.510	2.8	20.7
4 1	11 34.28	+ 4 37.3	1.531	2.496	7.6	21.0
4 11	11 26.05	+ 5 16.5	1.570	2.482	12.1	21.2
4 21	11 20.11	+ 5 40.2	1.631	2.467	16.0	21.4

175110 2004 NF_9 3 17.3 301°.58 1°.6/19.0 17 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 9.48	− 5 21.7	2.198	2.996	13.0	20.2
2 21	12 5.65	− 5 13.6	2.092	2.977	10.2	19.9
3 2	11 59.93	− 4 51.2	2.010	2.958	6.8	19.7
3 12	11 52.84	− 4 16.5	1.955	2.939	3.2	19.4
3 22	11 45.09	− 3 33.4	1.927	2.920	2.0	19.3
4 1	11 37.55	− 2 46.7	1.928	2.901	5.5	19.5
4 11	11 31.07	− 2 2.3	1.957	2.883	9.2	19.7
4 21	11 26.28	− 1 24.9	2.009	2.865	12.6	19.8

30259 Catherineli 3 17.3 204°.81 3°.8/13.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 16.05	+ 8 14.3	1.831	2.665	13.7	19.3
2 21	12 10.83	+ 9 18.5	1.750	2.660	10.3	19.1
3 2	12 3.25	+10 30.4	1.694	2.655	6.6	18.9
3 12	11 54.01	+11 42.2	1.665	2.649	3.9	18.7
3 22	11 44.10	+12 45.7	1.665	2.642	5.4	18.8
4 1	11 34.64	+13 33.7	1.693	2.634	9.1	19.0
4 11	11 26.67	+14 1.7	1.745	2.626	12.9	19.2
4 21	11 20.91	+14 8.7	1.820	2.616	16.1	19.4

372486 2009 SG_{222} 3 17.3 126°.13 1°.4/18.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 13.88	− 4 35.4	2.030	2.828	13.9	21.4
2 21	12 8.86	− 4 24.3	1.952	2.837	10.8	21.2
3 2	12 1.83	− 3 58.8	1.898	2.847	7.1	21.0
3 12	11 53.46	− 3 21.9	1.870	2.856	3.1	20.8
3 22	11 44.61	− 2 38.1	1.871	2.865	2.0	20.7
4 1	11 36.22	− 1 52.9	1.901	2.873	5.7	20.9
4 11	11 29.16	− 1 12.0	1.959	2.881	9.5	21.2
4 21	11 24.01	− 0 39.8	2.040	2.889	12.7	21.4

495923 2005 WM_{145} 3 17.3 0°.77 2°.3/15.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 12.29	+ 3 51.1	1.104	1.965	18.9	21.2
2 21	12 9.10	+ 4 18.5	1.039	1.962	14.2	21.0
3 2	12 2.65	+ 5 0.1	0.994	1.961	8.8	20.6
3 12	11 53.89	+ 5 48.2	0.971	1.961	3.4	20.3
3 22	11 44.22	+ 6 33.0	0.971	1.962	4.5	20.4
4 1	11 35.32	+ 7 5.0	0.995	1.963	10.2	20.7
4 11	11 28.65	+ 7 17.7	1.041	1.966	15.5	21.0
4 21	11 25.06	+ 7 8.8	1.105	1.970	20.0	21.3

456792 2007 TE_{205} 3 17.3 117°.64 2°.4/15.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 14.57	+ 4 26.4	1.645	2.480	15.0	21.8
2 21	12 9.76	+ 5 16.7	1.577	2.488	11.2	21.6
3 2	12 2.55	+ 6 17.5	1.533	2.496	6.9	21.3
3 12	11 53.74	+ 7 21.5	1.516	2.505	2.9	21.1
3 22	11 44.38	+ 8 20.8	1.526	2.512	4.1	21.2
4 1	11 35.64	+ 9 8.1	1.563	2.520	8.3	21.5
4 11	11 28.56	+ 9 38.3	1.626	2.527	12.4	21.7
4 21	11 23.77	+ 9 49.6	1.710	2.534	15.9	21.9

202636 2006 JA_3 3 17.3 219°.79 0°.8/16.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 11.48	+ 1 25.8	2.192	3.010	12.3	21.0
2 21	12 7.00	+ 1 56.2	2.105	3.006	9.3	20.8
3 2	12 0.67	+ 2 36.7	2.043	3.003	5.8	20.6
3 12	11 53.06	+ 3 23.0	2.009	2.999	2.0	20.3
3 22	11 44.95	+ 4 10.0	2.004	2.995	2.3	20.4
4 1	11 37.18	+ 4 52.2	2.028	2.991	6.2	20.6
4 11	11 30.57	+ 5 25.1	2.078	2.987	9.7	20.8
4 21	11 25.68	+ 5 45.7	2.153	2.983	12.8	21.0

268142 2004 TN_{219} 3 17.4 133°.28 0°.5/16.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 12.38	+ 0 20.2	2.040	2.856	13.2	21.2
2 21	12 7.74	+ 0 49.6	1.962	2.861	9.9	21.0
3 2	12 1.14	+ 1 30.4	1.908	2.866	6.2	20.8
3 12	11 53.23	+ 2 18.0	1.881	2.871	2.1	20.5
3 22	11 44.83	+ 3 7.1	1.883	2.876	2.2	20.5
4 1	11 36.88	+ 3 51.8	1.914	2.880	6.3	20.8
4 11	11 30.21	+ 4 27.1	1.972	2.884	10.0	21.0
4 21	11 25.39	+ 4 49.9	2.053	2.888	13.2	21.2

374113 2004 SQ_{35} 3 17.4 160°.28 3°.2/14.0 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 15.62	+10 6.1	2.342	3.167	11.4	21.7
2 21	12 9.89	+10 42.3	2.268	3.173	8.5	21.5
3 2	12 2.36	+11 21.2	2.220	3.178	5.5	21.3
3 12	11 53.63	+11 57.5	2.201	3.183	3.3	21.2
3 22	11 44.51	+12 26.2	2.211	3.187	4.4	21.2
4 1	11 35.83	+12 43.3	2.251	3.191	7.3	21.4
4 11	11 28.38	+12 46.5	2.318	3.194	10.3	21.6
4 21	11 22.68	+12 35.3	2.408	3.197	12.9	21.8

435938 2009 CP_3 3 17.4 73°.69 1°.8/15.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 12.92	+ 4 45.5	2.108	2.934	12.5	21.2
2 21	12 7.90	+ 5 22.7	2.052	2.957	9.2	21.0
3 2	12 1.08	+ 6 6.6	2.020	2.981	5.6	20.9
3 12	11 53.16	+ 6 52.1	2.016	3.005	2.3	20.7
3 22	11 44.95	+ 7 33.6	2.041	3.028	3.2	20.8
4 1	11 37.31	+ 8 6.4	2.095	3.051	6.6	21.0
4 11	11 30.98	+ 8 27.1	2.176	3.074	9.8	21.3
4 21	11 26.44	+ 8 34.3	2.279	3.097	12.6	21.5

14467 Vranckx 3 17.4 72°.72 1°.9/18.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 14.17	− 5 16.2	1.636	2.444	16.3	18.2
2 21	12 9.49	− 5 12.4	1.565	2.455	12.6	18.0
3 2	12 2.41	− 4 50.9	1.517	2.466	8.4	17.7
3 12	11 53.71	− 4 14.8	1.493	2.478	3.9	17.5
3 22	11 44.44	− 3 29.5	1.496	2.489	2.4	17.4
4 1	11 35.78	− 2 41.6	1.527	2.501	6.6	17.7
4 11	11 28.76	− 1 58.2	1.584	2.512	10.8	18.0
4 21	11 24.03	− 1 24.8	1.663	2.524	14.5	18.2

83796 2001 TC_{212} 3 17.4 236°.95 0°.1/17.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 9.78	− 1 24.2	2.339	3.147	12.0	20.6
2 21	12 5.63	− 0 55.9	2.249	3.144	9.1	20.4
3 2	11 59.78	− 0 16.2	2.184	3.140	5.7	20.1
3 12	11 52.75	+ 0 31.5	2.147	3.136	2.1	19.9
3 22	11 45.25	+ 1 22.5	2.139	3.132	1.7	19.8
4 1	11 38.06	+ 2 11.5	2.160	3.128	5.5	20.1
4 11	11 31.92	+ 2 53.6	2.208	3.124	8.9	20.3
4 21	11 27.36	+ 3 25.4	2.281	3.119	11.9	20.5

496578 2015 AB_{264} 3 17.4 159°.61 3°.2/14.0 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 15.73	+10 41.3	2.419	3.243	11.1	21.3
2 21	12 9.92	+11 11.0	2.344	3.248	8.3	21.1
3 2	12 2.35	+11 42.7	2.295	3.253	5.4	20.9
3 12	11 53.63	+12 11.3	2.275	3.257	3.3	20.8
3 22	11 44.52	+12 32.4	2.285	3.261	4.3	20.8
4 1	11 35.85	+12 42.2	2.325	3.264	7.1	21.0
4 11	11 28.38	+12 38.9	2.392	3.267	10.0	21.2
4 21	11 22.61	+12 22.0	2.482	3.270	12.6	21.4

147543 2004 ED_{33} 3 17.4 313°.81 8°.6/25.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 9.14	−21 14.6	1.611	2.352	19.3	19.8
2 21	12 6.24	−21 50.3	1.513	2.338	16.7	19.5
3 2	12 0.73	−21 56.6	1.433	2.324	13.7	19.3
3 12	11 53.24	−21 29.8	1.374	2.311	10.7	19.1
3 22	11 44.76	−20 30.1	1.338	2.298	8.7	18.9
4 1	11 36.56	−19 2.7	1.326	2.285	9.3	18.9
4 11	11 29.90	−17 17.8	1.339	2.273	11.9	19.0
4 21	11 25.68	−15 27.7	1.374	2.262	15.4	19.2

462330 2008 JK_{33} 3 17.4 6°.35 11°.4/31.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 5.28	−33 51.6	1.541	2.207	22.8	20.8
2 21	12 3.44	−33 47.4	1.453	2.207	20.6	20.6
3 2	11 58.94	−32 58.1	1.379	2.208	17.9	20.4
3 12	11 52.56	−31 18.7	1.321	2.210	15.0	20.3
3 22	11 45.43	−28 49.8	1.285	2.212	12.5	20.1
4 1	11 38.89	−25 39.4	1.274	2.216	11.4	20.1
4 11	11 34.13	−22 4.0	1.288	2.220	12.5	20.1
4 21	11 31.90	−18 23.1	1.328	2.225	15.1	20.3

519311 2011 EG_{89} 3 17.4 332°.11 1°.7/15.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 10.38	+ 2 50.0	1.865	2.696	13.6	21.6
2 21	12 6.46	+ 3 38.4	1.786	2.695	10.2	21.4
3 2	12 0.46	+ 4 38.2	1.730	2.693	6.2	21.1
3 12	11 53.03	+ 5 43.4	1.702	2.692	2.4	20.9
3 22	11 45.03	+ 6 47.0	1.702	2.690	3.3	20.9
4 1	11 37.47	+ 7 41.9	1.729	2.689	7.4	21.2
4 11	11 31.24	+ 8 22.8	1.782	2.688	11.2	21.4
4 21	11 26.97	+ 8 46.6	1.857	2.687	14.6	21.6

69493 1997 AO_{12} 3 17.4 185°.69 9°.4/ 5.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 15.00	+25 2.6	1.935	2.773	12.9	19.9
2 21	12 10.05	+27 8.3	1.883	2.773	10.8	19.8
3 2	12 2.75	+29 6.4	1.856	2.773	9.5	19.7
3 12	11 53.84	+30 45.7	1.855	2.772	9.7	19.7
3 22	11 44.35	+31 57.5	1.881	2.770	11.3	19.8
4 1	11 35.40	+32 36.9	1.930	2.768	13.5	19.9
4 11	11 28.03	+32 43.9	2.000	2.765	15.8	20.1
4 21	11 22.89	+32 21.8	2.087	2.762	17.8	20.2

24929 1997 GX_{15} 3 17.4 214°.39 0°.2/17.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 11.95	− 1 37.3	1.755	2.575	14.8	19.5
2 21	12 7.81	− 0 55.6	1.672	2.573	11.3	19.3
3 2	12 1.39	+ 0 2.3	1.612	2.570	7.1	19.0
3 12	11 53.38	+ 1 11.3	1.577	2.567	2.5	18.7
3 22	11 44.72	+ 2 24.3	1.571	2.564	2.3	18.7
4 1	11 36.50	+ 3 33.3	1.593	2.561	7.0	19.0
4 11	11 29.71	+ 4 31.1	1.640	2.557	11.3	19.2
4 21	11 25.04	+ 5 12.9	1.710	2.554	15.0	19.4

17547 Nestebovelli 3 17.4 110°.69 1°.3/18.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 15.52	− 4 49.4	1.661	2.467	16.2	20.3
2 21	12 10.44	− 4 26.4	1.592	2.482	12.4	20.1
3 2	12 2.97	− 3 45.3	1.546	2.497	8.1	19.9
3 12	11 53.91	− 2 50.2	1.525	2.512	3.4	19.7
3 22	11 44.34	− 1 47.7	1.533	2.526	2.2	19.6
4 1	11 35.41	− 0 45.4	1.568	2.540	6.6	19.9
4 11	11 28.14	+ 0 9.3	1.629	2.554	10.9	20.2
4 21	11 23.17	+ 0 51.3	1.714	2.566	14.6	20.4

204239 2004 DS_{39} 3 17.4 137°.41 1°.9/18.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 31.27	− 1 8.5	1.300	2.107	19.8	20.0
2 21	12 23.12	− 1 57.3	1.228	2.118	15.4	19.7
3 2	12 11.34	− 2 33.6	1.178	2.129	10.1	19.4
3 12	11 56.98	− 2 58.4	1.153	2.140	4.3	19.1
3 22	11 41.68	− 3 14.1	1.156	2.149	3.0	19.1
4 1	11 27.35	− 3 25.0	1.187	2.158	8.5	19.4
4 11	11 15.62	− 3 36.2	1.244	2.165	13.8	19.7
4 21	11 7.39	− 3 52.1	1.322	2.172	18.2	20.0

226709 2004 OR_7 3 17.4 250°.13 2°.0/15.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 11.97	+ 3 58.8	2.069	2.895	12.6	21.0
2 21	12 7.60	+ 4 50.6	1.974	2.881	9.5	20.8
3 2	12 1.19	+ 5 52.8	1.904	2.866	5.9	20.5
3 12	11 53.32	+ 6 59.9	1.861	2.850	2.5	20.3
3 22	11 44.79	+ 8 5.2	1.848	2.834	3.6	20.3
4 1	11 36.54	+ 9 1.8	1.863	2.818	7.4	20.5
4 11	11 29.49	+ 9 44.5	1.904	2.801	11.1	20.7
4 21	11 24.28	+10 10.3	1.968	2.784	14.4	20.9

242466 2004 RS_{321} 3 17.4 96°.27 2°.4/19.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 13.09	− 8 16.9	1.516	2.320	17.6	20.3
2 21	12 8.88	− 7 51.3	1.445	2.331	13.8	20.0
3 2	12 2.13	− 7 2.1	1.395	2.342	9.3	19.8
3 12	11 53.65	− 5 53.1	1.370	2.353	4.6	19.5
3 22	11 44.56	− 4 31.1	1.371	2.363	2.8	19.4
4 1	11 36.10	− 3 5.9	1.399	2.374	6.9	19.7
4 11	11 29.37	− 1 47.1	1.452	2.384	11.4	20.0
4 21	11 25.06	− 0 41.9	1.528	2.394	15.3	20.3

64154 2001 TC_{42} 3 17.4 174°.07 1°.2/16.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 17.49	+ 2 22.0	1.844	2.662	14.3	19.7
2 21	12 11.82	+ 2 51.6	1.765	2.666	10.8	19.4
3 2	12 3.83	+ 3 32.0	1.709	2.668	6.7	19.2
3 12	11 54.25	+ 4 17.9	1.680	2.670	2.4	18.9
3 22	11 44.05	+ 5 3.3	1.680	2.671	2.9	19.0
4 1	11 34.36	+ 5 41.7	1.710	2.671	7.3	19.2
4 11	11 26.19	+ 6 8.3	1.765	2.671	11.3	19.5
4 21	11 20.22	+ 6 20.3	1.843	2.670	14.8	19.7

175403 2006 OA_{11} 3 17.4 213°.62 0°.2/17.2 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 14.50	− 0 52.7	2.079	2.887	13.3	21.4
2 21	12 9.45	− 0 22.0	1.985	2.880	10.1	21.1
3 2	12 2.33	+ 0 21.6	1.915	2.871	6.4	20.9
3 12	11 53.72	+ 1 14.1	1.873	2.863	2.2	20.6
3 22	11 44.48	+ 2 10.0	1.860	2.853	2.1	20.6
4 1	11 35.55	+ 3 3.0	1.877	2.843	6.3	20.8
4 11	11 27.87	+ 3 47.6	1.920	2.832	10.2	21.0
4 21	11 22.09	+ 4 19.7	1.988	2.820	13.7	21.2

500645 2012 VY_7 3 17.4 83°.66 2°.0/15.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 11.53	+ 5 42.0	2.281	3.108	11.6	21.7
2 21	12 6.85	+ 6 17.3	2.213	3.120	8.6	21.5
3 2	12 0.47	+ 6 58.5	2.170	3.132	5.3	21.3
3 12	11 53.00	+ 7 40.8	2.156	3.144	2.3	21.1
3 22	11 45.18	+ 8 19.2	2.170	3.155	3.2	21.2
4 1	11 37.81	+ 8 49.2	2.213	3.167	6.5	21.4
4 11	11 31.60	+ 9 7.5	2.284	3.179	9.6	21.6
4 21	11 27.04	+ 9 12.7	2.377	3.191	12.3	21.8

59801 1999 PY_4 3 17.4 250°.77 0°.5/16.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 12.66	+ 0 10.2	2.415	3.222	11.7	20.5
2 21	12 7.91	+ 0 44.8	2.306	3.200	8.9	20.2
3 2	12 1.31	+ 1 30.6	2.221	3.178	5.6	20.0
3 12	11 53.38	+ 2 23.8	2.165	3.155	1.9	19.7
3 22	11 44.80	+ 3 19.6	2.139	3.131	2.1	19.7
4 1	11 36.39	+ 4 12.6	2.143	3.107	5.9	19.9
4 11	11 28.97	+ 4 57.6	2.175	3.082	9.5	20.1
4 21	11 23.15	+ 5 31.1	2.232	3.056	12.6	20.2

242978 2006 SF_{178} 3 17.4 169°.66 0°.3/17.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 8.70	− 3 5.9	2.598	3.398	11.2	21.2
2 21	12 4.65	− 2 25.3	2.511	3.400	8.5	21.0
3 2	11 59.09	− 1 32.7	2.449	3.402	5.4	20.8
3 12	11 52.53	− 0 31.8	2.415	3.404	2.0	20.6
3 22	11 45.59	+ 0 33.0	2.411	3.405	1.5	20.6
4 1	11 38.94	+ 1 36.3	2.438	3.406	4.9	20.8
4 11	11 33.22	+ 2 33.2	2.492	3.407	8.1	21.0
4 21	11 28.92	+ 3 20.1	2.572	3.408	10.8	21.2

146827 2001 YW_{145} 3 17.4 130°.94 3°.3/20.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 15.73	−10 8.7	2.183	2.948	14.1	19.9
2 21	12 10.17	−10 19.6	2.103	2.962	11.3	19.8
3 2	12 2.65	−10 14.0	2.045	2.974	8.0	19.6
3 12	11 53.82	− 9 53.0	2.014	2.986	4.8	19.4
3 22	11 44.50	− 9 19.5	2.012	2.998	3.4	19.3
4 1	11 35.62	− 8 38.3	2.039	3.009	5.6	19.5
4 11	11 28.03	− 7 55.0	2.094	3.019	8.8	19.7
4 21	11 22.31	− 7 15.0	2.174	3.029	11.8	19.9

282043 1998 ST_{106} 3 17.4 203°.89 0°.2/17.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 14.84	− 3 12.5	1.896	2.701	14.5	21.4
2 21	12 9.90	− 2 28.2	1.804	2.696	11.1	21.1
3 2	12 2.71	− 1 26.7	1.736	2.690	7.1	20.9
3 12	11 53.90	− 0 12.6	1.694	2.683	2.6	20.6
3 22	11 44.39	+ 1 7.6	1.682	2.675	2.1	20.5
4 1	11 35.25	+ 2 25.7	1.699	2.667	6.7	20.8
4 11	11 27.48	+ 3 34.3	1.743	2.657	10.9	21.0
4 21	11 21.79	+ 4 28.0	1.810	2.647	14.6	21.2

268122 2004 TJ_{50} 3 17.4 242°.89 0°.7/16.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 13.60	+ 1 38.8	2.107	2.923	12.8	20.7
2 21	12 8.76	+ 1 59.7	2.014	2.914	9.7	20.5
3 2	12 1.89	+ 2 30.5	1.945	2.904	6.1	20.2
3 12	11 53.59	+ 3 7.2	1.904	2.894	2.1	20.0
3 22	11 44.67	+ 3 44.9	1.892	2.884	2.4	19.9
4 1	11 36.07	+ 4 18.4	1.909	2.873	6.4	20.2
4 11	11 28.69	+ 4 42.9	1.953	2.863	10.2	20.4
4 21	11 23.15	+ 4 55.6	2.020	2.852	13.5	20.6

460687 2014 UL_{182} 3 17.4 276°.10 2°.3/15.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 13.47	+ 3 42.2	1.644	2.479	15.0	21.5
2 21	12 9.36	+ 4 31.5	1.546	2.457	11.3	21.2
3 2	12 2.65	+ 5 34.6	1.471	2.434	7.1	20.9
3 12	11 53.96	+ 6 45.0	1.422	2.411	2.9	20.6
3 22	11 44.29	+ 7 54.3	1.400	2.387	4.2	20.6
4 1	11 34.88	+ 8 53.7	1.405	2.363	8.9	20.8
4 11	11 26.94	+ 9 36.0	1.435	2.339	13.5	21.0
4 21	11 21.36	+ 9 57.6	1.486	2.315	17.6	21.2

30730 1981 DL 3 17.4 46°.58 3°.6/21.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 8.55	−12 45.4	2.194	2.960	14.0	19.4
2 21	12 4.84	−12 36.4	2.110	2.966	11.3	19.2
3 2	11 59.35	−12 8.0	2.047	2.972	8.3	19.0
3 12	11 52.66	−11 21.9	2.011	2.979	5.2	18.8
3 22	11 45.51	−10 21.5	2.001	2.986	3.6	18.7
4 1	11 38.72	− 9 12.7	2.020	2.992	5.4	18.8
4 11	11 33.07	− 8 2.1	2.067	2.999	8.5	19.0
4 21	11 29.10	− 6 56.0	2.138	3.006	11.5	19.2

169386 2001 VB_{29} 3 17.4 88°.63 1°.2/15.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 11.29	+ 3 8.5	2.423	3.241	11.3	20.4
2 21	12 6.54	+ 3 45.1	2.359	3.261	8.4	20.2
3 2	12 0.22	+ 4 29.1	2.321	3.281	5.1	20.0
3 12	11 52.92	+ 5 15.8	2.311	3.301	1.9	19.8
3 22	11 45.33	+ 6 0.6	2.332	3.321	2.5	19.9
4 1	11 38.19	+ 6 39.0	2.381	3.340	5.7	20.2
4 11	11 32.15	+ 7 7.4	2.458	3.359	8.8	20.4
4 21	11 27.67	+ 7 23.9	2.559	3.378	11.4	20.6

467522 2007 GL_{32} 3 17.4 236°.48 3°.1/14.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 12.45	+ 7 40.4	2.063	2.896	12.4	21.8
2 21	12 7.90	+ 8 31.2	1.979	2.889	9.3	21.6
3 2	12 1.34	+ 9 28.7	1.921	2.882	5.9	21.4
3 12	11 53.39	+10 26.5	1.890	2.875	3.2	21.2
3 22	11 44.87	+11 18.2	1.887	2.867	4.5	21.3
4 1	11 36.72	+11 57.9	1.913	2.859	7.9	21.4
4 11	11 29.83	+12 21.6	1.964	2.851	11.3	21.6
4 21	11 24.79	+12 27.8	2.038	2.842	14.4	21.8

32949 1996 AR_{3} 3 17.4 146°.08 0°.8/16.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 9.63	+ 1 59.8	2.819	3.630	10.1	19.9
2 21	12 5.19	+ 2 36.8	2.740	3.638	7.5	19.7
3 2	11 59.36	+ 3 21.2	2.687	3.645	4.6	19.6
3 12	11 52.62	+ 4 9.3	2.663	3.652	1.6	19.3
3 22	11 45.57	+ 4 57.1	2.669	3.659	2.0	19.4
4 1	11 38.82	+ 5 40.3	2.705	3.665	5.0	19.6
4 11	11 32.97	+ 6 15.3	2.770	3.671	7.9	19.8
4 21	11 28.44	+ 6 40.0	2.859	3.677	10.3	20.0

84454 2002 TN_{250} 3 17.4 155°.07 0°.1/17.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 10.17	− 1 20.5	2.426	3.233	11.7	20.0
2 21	12 5.84	− 0 46.5	2.343	3.237	8.8	19.8
3 2	11 59.88	− 0 1.4	2.285	3.240	5.5	19.6
3 12	11 52.83	+ 0 51.0	2.255	3.244	2.0	19.4
3 22	11 45.38	+ 1 46.0	2.254	3.247	1.7	19.3
4 1	11 38.26	+ 2 38.5	2.283	3.250	5.3	19.6
4 11	11 32.18	+ 3 23.6	2.340	3.253	8.6	19.8
4 21	11 27.63	+ 3 58.2	2.422	3.255	11.5	20.0

278362 2007 KZ_{1} 3 17.4 317°.70 7°.3/24.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 9.65	−19 4.9	1.776	2.521	17.6	20.7
2 21	12 6.35	−19 34.7	1.679	2.510	15.0	20.5
3 2	12 0.68	−19 38.7	1.601	2.499	12.0	20.2
3 12	11 53.25	−19 14.7	1.545	2.489	9.1	20.0
3 22	11 44.97	−18 23.7	1.514	2.479	7.3	19.9
4 1	11 36.97	−17 10.9	1.508	2.470	8.1	19.9
4 11	11 30.38	−15 44.9	1.527	2.460	10.8	20.1
4 21	11 25.99	−14 15.7	1.570	2.452	14.1	20.2

309260 2007 RE_{83} 3 17.4 101°.77 0°.3/17.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 16.68	− 0 14.5	1.639	2.458	15.7	21.5
2 21	12 11.30	+ 0 12.3	1.575	2.476	11.9	21.3
3 2	12 3.51	+ 0 52.7	1.534	2.493	7.4	21.0
3 12	11 54.15	+ 1 41.6	1.519	2.509	2.6	20.8
3 22	11 44.30	+ 2 32.2	1.532	2.525	2.4	20.8
4 1	11 35.16	+ 3 17.5	1.573	2.541	7.2	21.1
4 11	11 27.73	+ 3 51.7	1.640	2.556	11.4	21.4
4 21	11 22.65	+ 4 11.6	1.729	2.571	15.0	21.7

296237 2009 CA_{56} 3 17.4 33°.78 2°.7/14.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 8.79	+ 5 45.0	1.968	2.807	12.7	20.9
2 21	12 5.12	+ 6 46.5	1.900	2.813	9.4	20.7
3 2	11 59.56	+ 7 56.3	1.856	2.819	5.8	20.5
3 12	11 52.74	+ 9 7.7	1.839	2.826	2.9	20.3
3 22	11 45.49	+10 13.4	1.850	2.832	4.2	20.4
4 1	11 38.68	+11 7.2	1.889	2.839	7.6	20.6
4 11	11 33.14	+11 44.5	1.954	2.847	11.1	20.8
4 21	11 29.40	+12 3.7	2.040	2.854	14.0	21.0

322528 2011 YG_{17} 3 17.4 56°.97 0°.1/17.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 14.13	− 0 49.1	1.433	2.264	17.0	21.3
2 21	12 9.70	− 0 26.0	1.372	2.278	12.9	21.0
3 2	12 2.65	+ 0 12.9	1.332	2.292	8.1	20.8
3 12	11 53.87	+ 1 2.1	1.316	2.306	2.8	20.5
3 22	11 44.54	+ 1 54.4	1.327	2.321	2.5	20.5
4 1	11 35.95	+ 2 41.6	1.365	2.336	7.6	20.9
4 11	11 29.21	+ 3 17.1	1.427	2.351	12.2	21.2
4 21	11 24.98	+ 3 37.2	1.510	2.366	16.0	21.4

309719 2008 GQ_{129} 3 17.4 69°.54 8°.1/10.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 17.35	+20 18.9	1.624	2.470	14.6	20.0
2 21	12 11.78	+21 35.9	1.585	2.490	11.5	19.9
3 2	12 3.73	+22 45.8	1.569	2.510	9.0	19.8
3 12	11 54.19	+23 38.8	1.579	2.531	8.2	19.8
3 22	11 44.33	+24 7.6	1.614	2.551	9.6	19.9
4 1	11 35.38	+24 8.7	1.675	2.571	12.2	20.1
4 11	11 28.34	+23 42.9	1.757	2.591	15.0	20.3
4 21	11 23.74	+22 54.2	1.859	2.612	17.4	20.5

140597 2001 TZ_{237} 3 17.4 79°.89 5°.6/22.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 17.57	−13 34.1	1.782	2.542	17.0	19.2
2 21	12 11.99	−14 18.1	1.710	2.558	13.9	19.0
3 2	12 4.00	−14 41.3	1.659	2.575	10.5	18.8
3 12	11 54.35	−14 42.8	1.632	2.592	7.2	18.7
3 22	11 44.11	−14 24.5	1.632	2.608	5.6	18.6
4 1	11 34.45	−13 51.0	1.660	2.625	7.2	18.7
4 11	11 26.42	−13 9.6	1.714	2.641	10.3	18.9
4 21	11 20.70	−12 27.3	1.791	2.657	13.4	19.2

277736 2006 DL_{92} 3 17.4 233°.55 0°.6/16.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 11.40	+ 0 40.3	2.086	2.904	12.9	21.2
2 21	12 7.08	+ 1 12.2	1.999	2.900	9.7	21.0
3 2	12 0.81	+ 1 55.4	1.937	2.897	6.0	20.7
3 12	11 53.21	+ 2 45.5	1.903	2.893	2.1	20.4
3 22	11 45.07	+ 3 37.1	1.897	2.889	2.3	20.5
4 1	11 37.29	+ 4 24.2	1.919	2.885	6.3	20.7
4 11	11 30.71	+ 5 1.8	1.969	2.880	10.0	20.9
4 21	11 25.92	+ 5 26.5	2.042	2.876	13.3	21.1

424617 2008 JO_{15} 3 17.4 253°.16 4°.9/12.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 12.63	+11 27.5	1.783	2.629	13.5	21.3
2 21	12 8.30	+12 37.5	1.711	2.626	10.2	21.1
3 2	12 1.70	+13 51.9	1.663	2.623	6.8	20.9
3 12	11 53.55	+15 2.3	1.642	2.620	5.0	20.8
3 22	11 44.80	+16 0.4	1.649	2.617	6.5	20.9
4 1	11 36.55	+16 39.4	1.682	2.614	9.9	21.1
4 11	11 29.78	+16 56.2	1.739	2.611	13.3	21.3
4 21	11 25.14	+16 50.4	1.816	2.607	16.4	21.5

318610 2005 JS_{64} 3 17.4 158°.89 1°.6/19.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 8.92	− 7 35.6	2.431	3.215	12.3	21.4
2 21	12 4.94	− 7 2.5	2.343	3.218	9.6	21.2
3 2	11 59.35	− 6 13.9	2.278	3.221	6.5	21.0
3 12	11 52.67	− 5 12.7	2.241	3.223	3.2	20.8
3 22	11 45.56	− 4 3.3	2.233	3.225	1.9	20.7
4 1	11 38.78	− 2 51.5	2.255	3.228	4.9	20.9
4 11	11 33.00	− 1 43.1	2.305	3.229	8.1	21.1
4 21	11 28.74	− 0 43.2	2.380	3.231	11.1	21.3

460260 2014 QF_{300} 3 17.4 208°.71 0°.7/17.9 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 16.61	− 2 12.4	1.801	2.609	15.0	21.9
2 21	12 11.35	− 2 3.5	1.712	2.605	11.6	21.7
3 2	12 3.68	− 1 40.6	1.646	2.600	7.5	21.4
3 12	11 54.29	− 1 6.7	1.607	2.595	2.9	21.1
3 22	11 44.15	− 0 26.9	1.596	2.589	2.1	21.0
4 1	11 34.42	+ 0 12.7	1.613	2.583	6.7	21.3
4 11	11 26.17	+ 0 45.9	1.657	2.577	11.0	21.5
4 21	11 20.16	+ 1 8.5	1.723	2.570	14.8	21.8

401059 2011 UF_{39} 3 17.4 150°.04 3°.0/20.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 14.40	− 9 44.1	1.749	2.534	16.3	21.7
2 21	12 9.67	− 9 29.5	1.668	2.541	13.0	21.5
3 2	12 2.59	− 8 53.1	1.609	2.547	9.0	21.3
3 12	11 53.88	− 7 57.3	1.575	2.553	5.0	21.0
3 22	11 44.53	− 6 47.3	1.568	2.559	3.2	20.9
4 1	11 35.69	− 5 30.8	1.590	2.564	6.4	21.1
4 11	11 28.38	− 4 16.4	1.638	2.568	10.5	21.4
4 21	11 23.29	− 3 11.4	1.710	2.572	14.1	21.6

134638 1999 UD_{37} 3 17.4 267°.52 1°.7/15.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 13.01	+ 4 9.8	2.002	2.829	13.0	20.0
2 21	12 8.44	+ 4 40.6	1.910	2.816	9.8	19.8
3 2	12 1.77	+ 5 20.5	1.842	2.803	6.1	19.5
3 12	11 53.60	+ 6 4.3	1.801	2.790	2.4	19.3
3 22	11 44.76	+ 6 46.4	1.789	2.777	3.2	19.3
4 1	11 36.25	+ 7 21.0	1.805	2.764	7.2	19.5
4 11	11 28.99	+ 7 43.3	1.847	2.751	11.0	19.7
4 21	11 23.67	+ 7 51.1	1.912	2.737	14.4	19.9

131751 2001 YT_{151} 3 17.4 176°.91 0°.1/17.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 17.74	− 0 26.9	1.908	2.716	14.3	20.5
2 21	12 11.99	− 0 7.1	1.825	2.719	10.9	20.3
3 2	12 3.96	+ 0 25.2	1.765	2.721	6.9	20.0
3 12	11 54.36	+ 1 5.7	1.733	2.722	2.4	19.7
3 22	11 44.13	+ 1 49.3	1.729	2.723	2.2	19.7
4 1	11 34.37	+ 2 29.7	1.755	2.722	6.6	20.0
4 11	11 26.08	+ 3 1.7	1.808	2.721	10.7	20.2
4 21	11 19.92	+ 3 21.7	1.885	2.719	14.2	20.5

230398 2002 JR_{64} 3 17.4 301°.40 5°.3/12.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 11.36	+12 27.8	1.797	2.646	13.3	19.8
2 21	12 7.49	+13 35.5	1.712	2.628	10.1	19.5
3 2	12 1.30	+14 47.7	1.651	2.610	7.0	19.3
3 12	11 53.46	+15 56.0	1.616	2.592	5.3	19.1
3 22	11 44.87	+16 52.0	1.609	2.574	7.0	19.2
4 1	11 36.64	+17 28.6	1.627	2.556	10.3	19.4
4 11	11 29.81	+17 42.0	1.669	2.539	13.9	19.5
4 21	11 25.11	+17 31.8	1.731	2.522	17.1	19.7

315199 2007 QD 3 17.4 207°.20 2°.6/19.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 16.37	− 7 11.9	1.833	2.622	15.5	21.3
2 21	12 11.19	− 7 15.7	1.741	2.618	12.3	21.0
3 2	12 3.60	− 7 2.0	1.671	2.613	8.5	20.8
3 12	11 54.28	− 6 32.4	1.627	2.608	4.4	20.5
3 22	11 44.18	− 5 50.6	1.610	2.602	2.9	20.4
4 1	11 34.45	− 5 2.7	1.623	2.595	6.4	20.6
4 11	11 26.17	− 4 15.5	1.662	2.588	10.6	20.8
4 21	11 20.11	− 3 35.2	1.724	2.581	14.3	21.1

287882 2003 ST_{325} 3 17.4 268°.58 2°.2/19.2 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 13.49	− 6 26.8	1.651	2.455	16.3	22.1
2 21	12 9.37	− 6 19.4	1.553	2.439	12.9	21.9
3 2	12 2.66	− 5 52.2	1.475	2.423	8.8	21.6
3 12	11 54.00	− 5 7.1	1.422	2.406	4.3	21.3
3 22	11 44.38	− 4 9.1	1.396	2.389	2.7	21.1
4 1	11 35.03	− 3 5.3	1.398	2.372	7.0	21.3
4 11	11 27.16	− 2 4.4	1.425	2.355	11.7	21.5
4 21	11 21.64	− 1 13.6	1.474	2.337	15.9	21.8

204145 2003 YD_{104} 3 17.4 188°.28 1°.0/15.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 11.09	+ 2 32.0	2.817	3.627	10.1	21.6
2 21	12 6.35	+ 3 13.1	2.729	3.626	7.6	21.4
3 2	12 0.14	+ 4 1.8	2.666	3.625	4.6	21.2
3 12	11 52.95	+ 4 54.3	2.633	3.623	1.7	21.0
3 22	11 45.38	+ 5 46.2	2.631	3.620	2.2	21.0
4 1	11 38.08	+ 6 33.0	2.659	3.616	5.3	21.2
4 11	11 31.67	+ 7 11.2	2.715	3.613	8.2	21.4
4 21	11 26.61	+ 7 38.2	2.797	3.608	10.7	21.6

184088 2004 GD_{53} 3 17.4 280°.15 0°.6/17.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 10.53	− 3 54.8	1.764	2.579	15.0	21.7
2 21	12 6.91	− 3 18.7	1.667	2.563	11.6	21.5
3 2	12 1.00	− 2 23.7	1.591	2.547	7.5	21.2
3 12	11 53.39	− 1 13.8	1.542	2.530	3.0	20.9
3 22	11 44.97	+ 0 4.6	1.520	2.514	2.1	20.8
4 1	11 36.84	+ 1 23.1	1.526	2.498	6.9	21.0
4 11	11 30.06	+ 2 33.2	1.558	2.481	11.4	21.2
4 21	11 25.37	+ 3 28.9	1.612	2.465	15.3	21.4

280521 2004 PY_{83} 3 17.4 229°.37 3°.5/12.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 9.36	+ 4 35.0	2.043	2.877	12.5	20.5
2 21	12 5.66	+ 6 42.8	1.958	2.870	9.3	20.3
3 2	12 0.00	+ 9 4.7	1.901	2.864	5.8	20.0
3 12	11 52.98	+11 31.2	1.873	2.857	3.5	19.9
3 22	11 45.36	+13 51.6	1.876	2.849	5.3	20.0
4 1	11 38.06	+15 55.7	1.909	2.842	8.8	20.2
4 11	11 31.92	+17 36.4	1.969	2.834	12.3	20.4
4 21	11 27.59	+18 50.7	2.050	2.826	15.2	20.6

519199 2010 PM_{81} 3 17.4 264°.87 1°.5/19.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 8.49	− 7 2.3	2.362	3.151	12.5	21.4
2 21	12 4.77	− 6 31.4	2.261	3.140	9.8	21.2
3 2	11 59.35	− 5 44.6	2.184	3.128	6.6	21.0
3 12	11 52.73	− 4 44.5	2.133	3.117	3.2	20.7
3 22	11 45.58	− 3 35.4	2.112	3.105	1.9	20.6
4 1	11 38.66	− 2 23.3	2.120	3.093	5.1	20.8
4 11	11 32.74	− 1 14.3	2.156	3.081	8.6	21.0
4 21	11 28.37	− 0 13.9	2.217	3.069	11.7	21.2

222602 2001 XV_{21} 3 17.4 118°.51 6°.7/23.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 15.33	−18 15.3	2.011	2.740	16.3	20.3
2 21	12 10.25	−18 59.0	1.926	2.747	13.8	20.1
3 2	12 2.93	−19 21.0	1.862	2.754	10.9	19.9
3 12	11 54.03	−19 19.5	1.821	2.761	8.2	19.8
3 22	11 44.47	−18 55.5	1.807	2.768	6.7	19.7
4 1	11 35.29	−18 12.8	1.819	2.774	7.5	19.8
4 11	11 27.51	−17 18.3	1.859	2.781	9.9	19.9
4 21	11 21.82	−16 19.8	1.922	2.787	12.7	20.1

360557 2003 SW_{386} 3 17.4 293°.91 1°.6/16.0 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 11.75	+ 0 45.1	1.503	2.339	16.1	21.6
2 21	12 8.45	+ 1 40.1	1.395	2.306	12.3	21.3
3 2	12 2.35	+ 2 55.3	1.308	2.272	7.8	20.9
3 12	11 54.00	+ 4 25.0	1.247	2.237	2.8	20.5
3 22	11 44.38	+ 6 0.0	1.212	2.203	3.8	20.5
4 1	11 34.83	+ 7 29.0	1.204	2.168	9.4	20.7
4 11	11 26.76	+ 8 41.5	1.219	2.133	14.7	20.9
4 21	11 21.22	+ 9 30.9	1.255	2.098	19.4	21.1

300850 2007 YX_{18} 3 17.4 265°.76 2°.8/20.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 9.66	− 9 47.5	2.341	3.115	13.0	20.8
2 21	12 5.64	− 9 42.1	2.247	3.112	10.4	20.6
3 2	11 59.88	− 9 20.6	2.175	3.109	7.3	20.4
3 12	11 52.91	− 8 44.5	2.131	3.106	4.3	20.2
3 22	11 45.44	− 7 57.1	2.114	3.102	2.8	20.1
4 1	11 38.25	− 7 3.1	2.127	3.099	5.1	20.2
4 11	11 32.11	− 6 8.3	2.167	3.096	8.3	20.4
4 21	11 27.56	− 5 18.0	2.232	3.092	11.3	20.6

16783 Bychkov 3 17.4 181°.44 3°.2/13.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 11.33	+ 7 8.3	2.260	3.090	11.6	19.1
2 21	12 6.87	+ 8 28.7	2.182	3.091	8.6	18.9
3 2	12 0.63	+ 9 56.5	2.131	3.092	5.4	18.7
3 12	11 53.17	+11 24.9	2.108	3.092	3.2	18.6
3 22	11 45.24	+12 46.7	2.116	3.091	4.6	18.7
4 1	11 37.67	+13 55.4	2.152	3.090	7.7	18.9
4 11	11 31.23	+14 46.6	2.215	3.088	10.8	19.1
4 21	11 26.48	+15 18.6	2.300	3.086	13.5	19.2

250306 2003 QV_{59} 3 17.4 255°.76 1°.6/16.0 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 16.64	+ 3 15.0	1.848	2.670	14.1	21.5
2 21	12 11.51	+ 3 46.4	1.746	2.649	10.7	21.2
3 2	12 3.92	+ 4 29.0	1.667	2.628	6.7	20.9
3 12	11 54.46	+ 5 17.6	1.615	2.605	2.5	20.6
3 22	11 44.08	+ 6 6.0	1.592	2.582	3.3	20.6
4 1	11 33.92	+ 6 47.1	1.598	2.558	7.8	20.8
4 11	11 25.13	+ 7 15.4	1.629	2.533	12.2	21.0
4 21	11 18.55	+ 7 27.6	1.683	2.508	16.0	21.2

140402 2001 TB_{71} 3 17.4 165°.80 0°.0/17.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 9.26	− 1 47.3	2.804	3.603	10.4	20.8
2 21	12 4.98	− 1 7.6	2.717	3.607	7.9	20.6
3 2	11 59.29	− 0 17.7	2.657	3.611	5.0	20.4
3 12	11 52.67	+ 0 38.9	2.626	3.615	1.8	20.2
3 22	11 45.69	+ 1 38.0	2.624	3.617	1.5	20.2
4 1	11 39.01	+ 2 35.0	2.654	3.620	4.7	20.4
4 11	11 33.20	+ 3 25.5	2.712	3.622	7.7	20.6
4 21	11 28.71	+ 4 6.4	2.795	3.624	10.2	20.8

334835 2003 TN_{4} 3 17.4 264°.16 2°.1/19.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 11.29	− 6 58.6	2.104	2.895	13.7	21.0
2 21	12 7.13	− 6 48.1	2.003	2.882	10.8	20.8
3 2	12 0.96	− 6 21.3	1.925	2.869	7.4	20.5
3 12	11 53.35	− 5 40.2	1.874	2.856	3.8	20.3
3 22	11 45.07	− 4 48.7	1.850	2.842	2.3	20.2
4 1	11 37.04	− 3 52.5	1.855	2.829	5.7	20.4
4 11	11 30.16	− 2 57.9	1.888	2.815	9.5	20.6
4 21	11 25.08	− 2 10.5	1.944	2.801	12.9	20.7

432119 2009 BC_{24} 3 17.4 321°.78 4°.8/11.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 9.34	+12 42.6	2.157	3.001	11.5	21.0
2 21	12 5.48	+14 1.1	2.086	2.999	8.7	20.8
3 2	11 59.80	+15 22.3	2.041	2.997	6.0	20.6
3 12	11 52.89	+16 39.0	2.024	2.996	4.8	20.5
3 22	11 45.51	+17 43.8	2.035	2.994	6.2	20.6
4 1	11 38.52	+18 31.3	2.073	2.993	9.0	20.8
4 11	11 32.71	+18 58.3	2.136	2.992	11.8	20.9
4 21	11 28.62	+19 4.5	2.220	2.990	14.4	21.1

2020	α_{2000}	δ_{2000}	Δ	r	β	V
376596 2013 PP_{28}			3 17.4 217°.66	1°.1/18.4 17		
	h m	° ′			°	m
2 11	12 13.01	− 4 8.3	2.072	2.872	13.6	22.6
2 21	12 8.38	− 3 50.0	1.979	2.866	10.5	22.3
3 2	12 1.71	− 3 16.9	1.910	2.860	6.9	22.1
3 12	11 53.61	− 2 32.2	1.867	2.854	2.9	21.8
3 22	11 44.89	− 1 40.6	1.853	2.847	1.9	21.7
4 1	11 36.50	− 0 47.7	1.868	2.840	5.8	22.0
4 11	11 29.32	+ 0 0.1	1.911	2.832	9.7	22.2
4 21	11 24.02	+ 0 38.4	1.977	2.824	13.1	22.4
286285 2001 VO_{111}			3 17.4 202°.22	3°.4/21.9 18		
2 11	12 9.75	−13 42.6	2.816	3.559	11.8	20.8
2 21	12 5.45	−13 37.3	2.715	3.555	9.6	20.7
3 2	11 59.66	−13 16.3	2.637	3.551	7.1	20.5
3 12	11 52.84	−12 40.3	2.585	3.547	4.7	20.3
3 22	11 45.57	−11 51.8	2.562	3.542	3.4	20.2
4 1	11 38.54	−10 54.8	2.569	3.537	4.7	20.3
4 11	11 32.38	− 9 54.2	2.605	3.532	7.2	20.4
4 21	11 27.58	− 8 55.2	2.667	3.526	9.8	20.6
359071 2008 YL_{126}			3 17.4 51°.44	3°.7/14.6 18		
2 11	12 14.39	+ 6 0.2	1.217	2.072	17.8	20.5
2 21	12 10.18	+ 7 1.1	1.170	2.091	13.2	20.3
3 2	12 3.06	+ 8 12.6	1.144	2.110	8.2	20.1
3 12	11 54.07	+ 9 24.2	1.142	2.129	4.0	19.9
3 22	11 44.61	+10 25.4	1.165	2.149	5.6	20.0
4 1	11 36.11	+11 7.6	1.213	2.169	10.2	20.4
4 11	11 29.77	+11 26.5	1.283	2.190	14.6	20.7
4 21	11 26.19	+11 22.0	1.373	2.210	18.3	21.0
362438 2010 RV_{58}			3 17.4 252°.95	1°.0/18.4 16		
2 11	12 13.42	− 4 53.0	1.905	2.706	14.6	22.5
2 21	12 9.03	− 4 20.6	1.799	2.686	11.4	22.2
3 2	12 2.34	− 3 29.7	1.715	2.666	7.5	21.9
3 12	11 53.92	− 2 23.5	1.657	2.644	3.2	21.6
3 22	11 44.63	− 1 7.6	1.629	2.622	2.0	21.5
4 1	11 35.54	+ 0 10.4	1.628	2.600	6.6	21.7
4 11	11 27.71	+ 1 22.3	1.655	2.576	11.0	21.9
4 21	11 21.93	+ 2 21.7	1.705	2.552	14.9	22.1
278593 2008 OC			3 17.4 247°.72	5°.3/11.1 17		
2 11	12 11.64	+13 22.8	2.084	2.925	12.0	20.8
2 21	12 7.40	+14 51.2	2.001	2.912	9.1	20.6
3 2	12 1.13	+16 23.6	1.944	2.899	6.5	20.4
3 12	11 53.43	+17 51.5	1.916	2.885	5.3	20.4
3 22	11 45.09	+19 6.8	1.915	2.870	6.9	20.4
4 1	11 37.08	+20 2.7	1.942	2.856	9.9	20.6
4 11	11 30.28	+20 35.7	1.993	2.841	12.9	20.7
4 21	11 25.36	+20 45.2	2.065	2.825	15.6	20.9
114970 2003 QS_{62}			3 17.4 116°.04	3°.0/14.6 18		
2 11	12 16.14	+ 6 19.3	1.814	2.645	14.0	20.3
2 21	12 10.70	+ 7 17.7	1.754	2.663	10.4	20.1
3 2	12 3.08	+ 8 23.7	1.719	2.680	6.4	19.9
3 12	11 54.06	+ 9 29.8	1.710	2.697	3.2	19.7
3 22	11 44.63	+10 28.5	1.731	2.713	4.5	19.9
4 1	11 35.86	+11 13.6	1.780	2.729	8.2	20.1
4 11	11 28.65	+11 41.1	1.854	2.744	11.7	20.3
4 21	11 23.58	+11 50.1	1.951	2.758	14.8	20.6
272998 2006 DV_{53}			3 17.4 138°.38	1°.0/16.3 18		
2 11	12 10.60	+ 0 43.9	2.067	2.887	12.9	21.6
2 21	12 6.46	+ 1 36.5	1.989	2.892	9.7	21.4
3 2	12 0.43	+ 2 41.2	1.936	2.896	5.9	21.2
3 12	11 53.14	+ 3 52.5	1.910	2.900	2.1	21.0
3 22	11 45.38	+ 5 4.0	1.914	2.904	2.6	21.0
4 1	11 38.03	+ 6 8.9	1.946	2.908	6.5	21.3
4 11	11 31.90	+ 7 1.7	2.005	2.912	10.1	21.5
4 21	11 27.54	+ 7 39.1	2.087	2.915	13.3	21.7
315247 2007 RO_{311}			3 17.4 190°.05	4°.2/13.3 18		
2 11	12 15.30	+ 9 29.5	1.857	2.694	13.4	21.0
2 21	12 10.26	+10 38.6	1.782	2.693	10.1	20.8
3 2	12 2.94	+11 53.9	1.732	2.692	6.6	20.5
3 12	11 54.07	+13 7.3	1.709	2.690	4.2	20.4
3 22	11 44.59	+14 10.7	1.714	2.687	5.8	20.5
4 1	11 35.59	+14 57.3	1.748	2.684	9.2	20.7
4 11	11 28.07	+15 23.2	1.806	2.680	12.8	20.9
4 21	11 22.68	+15 27.7	1.885	2.676	15.9	21.1
65901 1998 DM_{16}			3 17.4 198°.77	2°.3/19.8 18		
2 11	12 14.40	− 8 29.1	2.049	2.829	14.4	20.3
2 21	12 9.48	− 8 9.7	1.954	2.825	11.4	20.1
3 2	12 2.44	− 7 31.8	1.882	2.821	7.9	19.9
3 12	11 53.90	− 6 37.6	1.836	2.816	4.1	19.6
3 22	11 44.72	− 5 31.6	1.819	2.811	2.5	19.5
4 1	11 35.86	− 4 20.4	1.832	2.804	5.8	19.7
4 11	11 28.27	− 3 11.2	1.872	2.797	9.7	19.9
4 21	11 22.63	− 2 10.4	1.937	2.789	13.2	20.1

2020	α_{2000}	δ_{2000}	Δ	r	β	V
409953 2006 UU_{213}			3 17.4 109°.06	6°.6/11.7 18		
	h m	° ′			°	m
2 11	12 20.17	+18 34.8	1.870	2.704	13.5	21.5
2 21	12 13.67	+19 29.1	1.819	2.720	10.5	21.3
3 2	12 4.89	+20 18.8	1.792	2.736	7.8	21.2
3 12	11 54.69	+20 55.7	1.792	2.752	6.6	21.2
3 22	11 44.15	+21 13.6	1.820	2.767	7.9	21.3
4 1	11 34.40	+21 9.2	1.874	2.782	10.5	21.5
4 11	11 26.39	+20 42.7	1.953	2.796	13.3	21.7
4 21	11 20.68	+19 56.8	2.053	2.810	15.8	21.9
466759 2015 AX_{133}			3 17.4 207°.26	4°.0/12.8 17		
2 11	12 12.00	+10 7.9	2.188	3.024	11.7	21.6
2 21	12 7.49	+11 20.1	2.109	3.019	8.8	21.4
3 2	12 1.09	+12 37.4	2.056	3.015	5.8	21.2
3 12	11 53.39	+13 52.7	2.031	3.009	4.0	21.1
3 22	11 45.18	+14 59.1	2.035	3.004	5.4	21.2
4 1	11 37.32	+15 50.5	2.067	2.998	8.4	21.3
4 11	11 30.65	+16 23.2	2.125	2.992	11.5	21.5
4 21	11 25.74	+16 36.3	2.205	2.985	14.2	21.7
129794 1999 JT_{116}			3 17.4 279°.66	0°.8/18.0 17		
2 11	12 13.80	− 3 2.9	1.597	2.415	16.2	20.4
2 21	12 9.77	− 2 46.0	1.495	2.393	12.6	20.1
3 2	12 3.05	− 2 10.9	1.414	2.370	8.2	19.8
3 12	11 54.25	− 1 20.8	1.359	2.347	3.3	19.4
3 22	11 44.37	− 0 21.6	1.330	2.324	2.3	19.3
4 1	11 34.70	+ 0 38.8	1.328	2.300	7.6	19.6
4 11	11 26.52	+ 1 31.9	1.351	2.277	12.6	19.8
4 21	11 20.77	+ 2 11.3	1.396	2.253	17.0	20.0
382357 2013 TP_{89}			3 17.4 85°.71	1°.7/19.1 17		
2 11	12 11.31	− 6 1.6	1.958	2.756	14.3	21.1
2 21	12 7.14	− 5 45.7	1.875	2.759	11.2	20.9
3 2	12 0.94	− 5 13.3	1.815	2.763	7.5	20.6
3 12	11 53.36	− 4 27.3	1.782	2.766	3.5	20.4
3 22	11 45.23	− 3 32.4	1.776	2.769	2.1	20.3
4 1	11 37.51	− 2 35.1	1.799	2.772	5.8	20.5
4 11	11 31.08	− 1 41.7	1.848	2.775	9.6	20.8
4 21	11 26.55	− 0 57.6	1.921	2.779	13.0	21.0
210685 2000 RE_{92}			3 17.4 119°.81	1°.7/19.1 18		
2 11	12 16.83	− 6 18.4	1.902	2.691	15.0	21.5
2 21	12 11.18	− 5 58.8	1.832	2.711	11.7	21.3
3 2	12 3.38	− 5 22.1	1.786	2.731	7.7	21.1
3 12	11 54.19	− 4 31.8	1.766	2.750	3.6	20.9
3 22	11 44.56	− 3 33.2	1.775	2.768	2.2	20.8
4 1	11 35.53	− 2 33.0	1.813	2.785	5.9	21.1
4 11	11 28.00	− 1 37.8	1.879	2.802	9.8	21.3
4 21	11 22.56	− 0 52.8	1.969	2.818	13.1	21.6
150968 2001 TQ_{169}			3 17.4 122°.75	1°.8/15.9 18		
2 11	12 18.62	+ 5 37.2	1.937	2.758	13.6	19.8
2 21	12 12.54	+ 5 48.1	1.864	2.767	10.2	19.6
3 2	12 4.25	+ 6 5.0	1.816	2.775	6.3	19.4
3 12	11 54.52	+ 6 23.2	1.795	2.784	2.5	19.2
3 22	11 44.29	+ 6 38.1	1.803	2.792	3.2	19.2
4 1	11 34.64	+ 6 45.2	1.840	2.799	7.1	19.5
4 11	11 26.51	+ 6 41.6	1.905	2.807	10.8	19.7
4 21	11 20.49	+ 6 26.1	1.992	2.814	14.0	19.9
64271 2001 TV_{202}			3 17.4 298°.78	4°.6/11.9 17		
2 11	12 9.67	+12 27.3	2.174	3.017	11.5	18.9
2 21	12 5.75	+13 39.7	2.100	3.013	8.7	18.7
3 2	12 0.00	+14 55.0	2.052	3.009	5.9	18.5
3 12	11 53.01	+16 6.1	2.031	3.005	4.6	18.4
3 22	11 45.54	+17 6.2	2.039	3.001	6.0	18.5
4 1	11 38.45	+17 49.6	2.075	2.998	8.8	18.7
4 11	11 32.53	+18 13.3	2.134	2.994	11.7	18.8
4 21	11 28.31	+18 17.0	2.216	2.990	14.3	19.0
127478 2002 SX_{19}			3 17.4 217°.03	15°.3/26.9 18		
2 11	12 22.01	−28 12.2	1.358	2.053	24.2	19.9
2 21	12 17.09	−30 23.5	1.275	2.049	22.0	19.6
3 2	12 8.31	−32 4.5	1.207	2.045	19.4	19.4
3 12	11 56.33	−33 4.6	1.157	2.041	17.0	19.3
3 22	11 42.55	−33 16.4	1.127	2.036	15.5	19.2
4 1	11 28.98	−32 39.3	1.118	2.030	15.5	19.1
4 11	11 17.67	−31 22.6	1.129	2.025	17.1	19.2
4 21	11 10.01	−29 41.3	1.159	2.019	19.6	19.3
472179 2014 DK_{91}			3 17.4 348°.41	2°.8/19.8 16		
2 11	12 15.22	− 6 29.8	2.219	3.000	13.4	21.7
2 21	12 9.93	− 7 3.3	2.127	2.998	10.6	21.5
3 2	12 2.66	− 7 24.9	2.058	2.996	7.4	21.3
3 12	11 54.00	− 7 34.9	2.017	2.994	4.1	21.1
3 22	11 44.73	− 7 35.2	2.004	2.993	2.9	21.0
4 1	11 35.77	− 7 28.8	2.021	2.992	5.5	21.2
4 11	11 28.01	− 7 19.9	2.065	2.991	8.9	21.4
4 21	11 22.05	− 7 12.5	2.134	2.990	12.0	21.5

521011 2015 CM_{67} 3 17.4 144°.04 2°.9/14.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 11.87	+ 7 3.1	2.152	2.983	12.0	21.8
2 21	12 7.33	+ 8 4.1	2.080	2.990	8.9	21.6
3 2	12 0.95	+ 9 11.8	2.034	2.996	5.6	21.4
3 12	11 53.35	+10 19.6	2.016	3.001	3.0	21.2
3 22	11 45.31	+11 21.1	2.028	3.007	4.3	21.3
4 1	11 37.71	+12 10.6	2.067	3.012	7.5	21.5
4 11	11 31.32	+12 44.0	2.133	3.017	10.7	21.7
4 21	11 26.69	+13 0.1	2.222	3.021	13.5	21.9

369320 2009 SM_{136} 3 17.4 187°.59 0°.8/18.4 16

2 11	12 12.61	− 4 24.5	2.636	3.422	11.4	22.6
2 21	12 7.64	− 3 52.5	2.541	3.421	8.8	22.4
3 2	12 1.06	− 3 8.1	2.472	3.420	5.7	22.2
3 12	11 53.38	− 2 14.1	2.431	3.417	2.4	22.0
3 22	11 45.26	− 1 14.9	2.421	3.414	1.5	21.9
4 1	11 37.42	− 0 15.3	2.442	3.411	4.8	22.1
4 11	11 30.54	+ 0 39.6	2.491	3.406	8.0	22.3
4 21	11 25.14	+ 1 25.9	2.566	3.401	10.9	22.5

292756 2006 UV_{185} 3 17.4 162°.64 1°.9/19.7 17

2 11	12 11.95	− 6 57.5	2.722	3.496	11.4	21.0
2 21	12 7.08	− 6 57.0	2.631	3.500	8.9	20.8
3 2	12 0.68	− 6 44.5	2.566	3.504	6.1	20.6
3 12	11 53.24	− 6 21.8	2.528	3.507	3.2	20.5
3 22	11 45.39	− 5 51.5	2.519	3.510	2.1	20.4
4 1	11 37.83	− 5 17.4	2.541	3.513	4.5	20.5
4 11	11 31.22	− 4 43.6	2.592	3.515	7.4	20.7
4 21	11 26.02	− 4 13.8	2.669	3.517	10.1	20.9

219449 2000 WM_{17} 3 17.4 60°.01 0°.5/16.9 18

2 11	12 12.70	− 0 47.9	1.662	2.486	15.3	20.2
2 21	12 8.22	− 0 2.1	1.609	2.512	11.5	20.0
3 2	12 1.56	+ 0 57.8	1.579	2.539	7.1	19.8
3 12	11 53.55	+ 2 5.7	1.576	2.566	2.4	19.6
3 22	11 45.19	+ 3 13.9	1.600	2.593	2.5	19.7
4 1	11 37.55	+ 4 14.9	1.652	2.619	6.9	20.0
4 11	11 31.51	+ 5 2.7	1.730	2.646	10.9	20.3
4 21	11 27.59	+ 5 34.2	1.830	2.673	14.2	20.6

239739 2009 DB_{51} 3 17.4 31°.47 1°.1/16.7 17

2 11	12 23.29	+ 6 9.6	1.917	2.730	14.0	19.7
2 21	12 16.05	+ 5 37.0	1.841	2.739	10.6	19.5
3 2	12 6.46	+ 5 7.7	1.791	2.748	6.6	19.3
3 12	11 55.32	+ 4 38.6	1.768	2.758	2.4	19.0
3 22	11 43.68	+ 4 7.5	1.776	2.768	2.6	19.0
4 1	11 32.69	+ 3 32.2	1.815	2.778	6.8	19.3
4 11	11 23.36	+ 2 51.3	1.881	2.789	10.6	19.6
4 21	11 16.33	+ 2 4.3	1.971	2.800	13.9	19.8

253862 2004 AP_{7} 3 17.4 49°.91 5°.4/21.6 18

2 11	12 15.02	−12 12.9	1.448	2.235	19.0	20.5
2 21	12 10.55	−12 47.3	1.382	2.249	15.5	20.3
3 2	12 3.35	−12 57.3	1.335	2.264	11.4	20.1
3 12	11 54.28	−12 42.8	1.311	2.279	7.4	19.9
3 22	11 44.54	−12 7.1	1.312	2.295	5.5	19.8
4 1	11 35.48	−11 16.9	1.339	2.311	7.6	20.0
4 11	11 28.30	−10 21.5	1.391	2.327	11.4	20.3
4 21	11 23.73	− 9 29.4	1.464	2.343	15.1	20.5

386515 2009 BY_{127} 3 17.4 9°.96 4°.7/11.8 17

2 11	12 8.90	+11 43.6	2.069	2.914	11.9	20.9
2 21	12 5.23	+13 4.8	2.000	2.915	8.9	20.7
3 2	11 59.70	+14 29.8	1.957	2.916	6.1	20.6
3 12	11 52.92	+15 50.8	1.942	2.916	4.7	20.5
3 22	11 45.68	+17 0.2	1.955	2.917	6.2	20.6
4 1	11 38.84	+17 52.0	1.994	2.919	9.0	20.7
4 11	11 33.22	+18 23.0	2.059	2.920	12.0	20.9
4 21	11 29.36	+18 32.6	2.144	2.922	14.6	21.1

360521 2003 QD_{62} 3 17.4 192°.58 1°.5/15.8 17

2 11	12 16.04	+ 3 19.2	2.348	3.159	11.9	22.4
2 21	12 10.39	+ 4 0.9	2.259	3.156	8.9	22.2
3 2	12 2.87	+ 4 51.2	2.195	3.153	5.5	21.9
3 12	11 54.06	+ 5 45.5	2.160	3.149	2.1	21.7
3 22	11 44.73	+ 6 38.3	2.156	3.144	2.8	21.8
4 1	11 35.73	+ 7 24.3	2.182	3.138	6.4	22.0
4 11	11 27.87	+ 7 59.1	2.236	3.131	9.8	22.2
4 21	11 21.75	+ 8 20.4	2.314	3.123	12.7	22.3

445891 2012 VU_{24} 3 17.4 124°.21 1°.1/18.4 18

2 11	12 17.48	− 4 48.1	1.559	2.366	17.0	22.6
2 21	12 12.13	− 4 18.9	1.491	2.381	13.1	22.4
3 2	12 4.21	− 3 30.2	1.445	2.397	8.5	22.2
3 12	11 54.57	− 2 26.5	1.424	2.411	3.5	21.9
3 22	11 44.35	− 1 15.3	1.431	2.425	2.2	21.9
4 1	11 34.82	− 0 5.2	1.466	2.438	7.0	22.2
4 11	11 27.10	+ 0 55.6	1.527	2.450	11.5	22.5
4 21	11 21.87	+ 1 41.7	1.610	2.462	15.4	22.7

473731 2016 CQ_{189} 3 17.4 345°.79 0°.7/16.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 10.74	+ 2 36.6	1.169	2.026	18.3	19.5
2 21	12 8.04	+ 2 26.2	1.090	2.011	14.0	19.2
3 2	12 2.21	+ 2 28.0	1.032	1.997	8.9	18.9
3 12	11 54.01	+ 2 37.4	0.995	1.986	3.1	18.5
3 22	11 44.73	+ 2 48.3	0.982	1.976	3.2	18.5
4 1	11 35.96	+ 2 53.7	0.993	1.967	9.1	18.8
4 11	11 29.22	+ 2 47.7	1.025	1.961	14.6	19.0
4 21	11 25.44	+ 2 26.9	1.076	1.956	19.3	19.3

54187 2000 HR_{74} 3 17.4 217°.65 0°.7/16.6 17

2 11	12 10.83	+ 1 8.8	2.539	3.350	11.1	20.1
2 21	12 6.39	+ 1 42.4	2.447	3.344	8.3	19.9
3 2	12 0.33	+ 2 25.2	2.380	3.338	5.2	19.7
3 12	11 53.17	+ 3 13.4	2.341	3.331	1.8	19.5
3 22	11 45.54	+ 4 2.5	2.332	3.324	2.1	19.5
4 1	11 38.19	+ 4 47.7	2.353	3.316	5.5	19.7
4 11	11 31.79	+ 5 24.8	2.402	3.308	8.7	19.9
4 21	11 26.88	+ 5 50.8	2.475	3.300	11.5	20.1

371111 2005 VA_{88} 3 17.4 82°.35 1°.9/15.5 17

2 11	12 12.02	+ 3 22.5	1.793	2.626	14.0	21.3
2 21	12 7.79	+ 4 12.0	1.722	2.631	10.5	21.0
3 2	12 1.41	+ 5 12.4	1.675	2.637	6.4	20.8
3 12	11 53.57	+ 6 17.2	1.654	2.643	2.5	20.6
3 22	11 45.22	+ 7 19.1	1.661	2.649	3.5	20.7
4 1	11 37.38	+ 8 11.1	1.696	2.655	7.6	20.9
4 11	11 30.97	+ 8 48.0	1.757	2.661	11.5	21.2
4 21	11 26.61	+ 9 7.4	1.839	2.667	14.8	21.4

286154 2001 TU_{240} 3 17.4 162°.46 1°.5/15.7 18

2 11	12 12.46	+ 5 3.4	2.668	3.484	10.4	20.7
2 21	12 7.45	+ 5 29.5	2.587	3.488	7.8	20.5
3 2	12 0.91	+ 6 1.0	2.532	3.492	4.8	20.3
3 12	11 53.36	+ 6 34.2	2.506	3.495	1.9	20.1
3 22	11 45.43	+ 7 5.0	2.510	3.498	2.6	20.2
4 1	11 37.84	+ 7 29.6	2.545	3.500	5.6	20.4
4 11	11 31.24	+ 7 45.2	2.607	3.503	8.5	20.6
4 21	11 26.09	+ 7 50.0	2.694	3.505	11.1	20.8

66427 1999 NP_{34} 3 17.4 242°.81 2°.5/19.6 18

2 11	12 14.46	− 7 16.1	1.756	2.551	15.9	19.7
2 21	12 9.96	− 7 12.9	1.660	2.541	12.6	19.5
3 2	12 3.00	− 6 50.8	1.587	2.531	8.7	19.2
3 12	11 54.24	− 6 11.5	1.538	2.520	4.5	18.9
3 22	11 44.63	− 5 19.4	1.517	2.509	2.8	18.8
4 1	11 35.34	− 4 20.9	1.524	2.498	6.6	19.0
4 11	11 27.49	− 3 24.1	1.557	2.486	10.9	19.2
4 21	11 21.87	− 2 35.6	1.613	2.474	14.9	19.4

387212 2012 TX_{317} 3 17.4 107°.76 2°.4/20.2 17

2 11	12 12.24	− 8 8.0	2.464	3.238	12.4	21.1
2 21	12 7.44	− 8 13.0	2.381	3.248	9.8	20.9
3 2	12 0.97	− 8 4.4	2.321	3.257	6.8	20.7
3 12	11 53.39	− 7 43.8	2.289	3.266	3.8	20.5
3 22	11 45.40	− 7 14.0	2.286	3.275	2.5	20.4
4 1	11 37.75	− 6 39.0	2.312	3.284	4.9	20.6
4 11	11 31.17	− 6 3.5	2.367	3.293	7.9	20.8
4 21	11 26.15	− 5 31.7	2.447	3.301	10.7	21.0

204368 2004 TT_{68} 3 17.4 71°.03 5°.3/13.3 18

2 11	12 16.18	+10 52.6	1.406	2.258	16.1	19.8
2 21	12 11.46	+11 54.2	1.346	2.263	12.1	19.5
3 2	12 3.94	+13 0.6	1.308	2.269	8.0	19.3
3 12	11 54.53	+14 1.8	1.295	2.275	5.4	19.2
3 22	11 44.49	+14 48.5	1.308	2.281	7.0	19.3
4 1	11 35.21	+15 13.4	1.346	2.288	11.0	19.5
4 11	11 27.91	+15 13.8	1.407	2.294	14.9	19.8
4 21	11 23.27	+14 50.6	1.487	2.300	18.4	20.0

108061 2001 FD_{161} 3 17.4 46°.85 6°.2/12.1 18

2 11	12 13.37	+12 31.2	1.442	2.299	15.5	19.2
2 21	12 9.27	+13 52.8	1.386	2.305	11.7	18.9
3 2	12 2.53	+15 17.8	1.353	2.312	8.0	18.7
3 12	11 54.02	+16 35.2	1.344	2.320	6.2	18.7
3 22	11 44.93	+17 35.0	1.362	2.327	8.0	18.8
4 1	11 36.57	+18 9.9	1.404	2.335	11.5	19.0
4 11	11 30.07	+18 17.5	1.469	2.343	15.2	19.2
4 21	11 26.07	+17 59.0	1.552	2.351	18.4	19.5

336031 2007 VU_{10} 3 17.4 112°.98 2°.5/14.3 18

2 11	12 11.61	+ 7 29.8	2.511	3.337	10.7	20.8
2 21	12 6.84	+ 8 19.3	2.447	3.353	7.9	20.6
3 2	12 0.52	+ 9 13.3	2.408	3.368	4.9	20.5
3 12	11 53.21	+10 6.7	2.398	3.383	2.6	20.3
3 22	11 45.60	+10 54.5	2.419	3.398	3.7	20.4
4 1	11 38.41	+11 32.2	2.468	3.413	6.5	20.6
4 11	11 32.28	+11 56.9	2.545	3.427	9.2	20.8
4 21	11 27.67	+12 7.6	2.645	3.440	11.7	21.0

2020	α_{2000}	δ_{2000}	Δ	r	β	V
249529 2010 GE_{31}			3 17.4 269°30		2°3/15.7 16	
	h m	° ′			°	m
2 11	12 15.07	+ 3 52.1	1.534	2.371	15.8	20.8
2 21	12 10.73	+ 4 31.4	1.445	2.356	11.9	20.5
3 2	12 3.65	+ 5 23.5	1.378	2.341	7.5	20.2
3 12	11 54.52	+ 6 22.0	1.336	2.326	3.0	19.9
3 22	11 44.42	+ 7 18.6	1.321	2.310	4.1	19.9
4 1	11 34.70	+ 8 4.9	1.333	2.294	9.0	20.1
4 11	11 26.63	+ 8 34.3	1.369	2.278	13.7	20.4
4 21	11 21.09	+ 8 43.7	1.426	2.262	17.8	20.6
44678 1999 RP_{192}			3 17.4 348°35		0°4/17.8 18	
2 11	12 9.54	− 3 55.0	1.390	2.221	17.4	19.0
2 21	12 6.60	− 3 11.2	1.313	2.218	13.4	18.7
3 2	12 1.02	− 2 4.6	1.256	2.215	8.6	18.4
3 12	11 53.55	− 0 40.9	1.224	2.213	3.3	18.1
3 22	11 45.29	+ 0 50.9	1.217	2.211	2.4	18.0
4 1	11 37.55	+ 2 19.9	1.237	2.210	7.8	18.3
4 11	11 31.52	+ 3 35.9	1.280	2.209	12.8	18.6
4 21	11 27.98	+ 4 32.1	1.344	2.209	17.1	18.9
503210 2015 HB_{31}			3 17.4 167°00		0°4/16.9 17	
2 11	12 8.51	− 0 58.3	2.474	3.284	11.3	21.2
2 21	12 4.67	− 0 6.5	2.389	3.285	8.5	21.1
3 2	11 59.26	+ 0 56.9	2.330	3.287	5.3	20.9
3 12	11 52.80	+ 2 7.4	2.298	3.288	1.8	20.6
3 22	11 45.94	+ 3 19.8	2.297	3.289	1.9	20.6
4 1	11 39.39	+ 4 28.3	2.326	3.290	5.4	20.9
4 11	11 33.81	+ 5 27.7	2.382	3.291	8.6	21.1
4 21	11 29.68	+ 6 14.6	2.463	3.292	11.5	21.2
437473 2013 YA_{44}			3 17.4 98°26		0°2/17.2 17	
2 11	12 11.98	− 0 7.4	2.238	3.049	12.3	21.7
2 21	12 7.34	+ 0 16.6	2.164	3.060	9.3	21.5
3 2	12 0.95	+ 0 50.7	2.114	3.070	5.8	21.3
3 12	11 53.41	+ 1 31.3	2.091	3.081	2.0	21.1
3 22	11 45.46	+ 2 13.6	2.098	3.091	1.9	21.1
4 1	11 37.94	+ 2 52.7	2.134	3.101	5.6	21.4
4 11	11 31.58	+ 3 24.1	2.197	3.111	9.0	21.6
4 21	11 26.90	+ 3 45.0	2.284	3.121	12.0	21.8
184084 2004 GY_{38}			3 17.4 308°74		3°0/15.2 17	
2 11	12 15.28	+ 7 6.2	1.556	2.398	15.3	20.3
2 21	12 10.82	+ 7 29.6	1.470	2.383	11.6	20.0
3 2	12 3.66	+ 8 0.5	1.406	2.369	7.3	19.7
3 12	11 54.51	+ 8 32.5	1.368	2.355	3.4	19.5
3 22	11 44.48	+ 8 58.5	1.356	2.342	4.6	19.5
4 1	11 34.87	+ 9 12.2	1.370	2.329	9.1	19.7
4 11	11 26.93	+ 9 9.1	1.409	2.316	13.6	20.0
4 21	11 21.49	+ 8 48.0	1.468	2.303	17.5	20.2
151076 2001 VD_{61}			3 17.4 28°31		5°7/13.7 18	
2 11	12 18.34	+14 4.1	1.411	2.261	16.1	19.0
2 21	12 12.99	+14 30.8	1.355	2.270	12.3	18.8
3 2	12 4.82	+14 56.5	1.321	2.280	8.3	18.6
3 12	11 54.83	+15 12.8	1.312	2.290	5.8	18.5
3 22	11 44.33	+15 12.8	1.329	2.302	7.1	18.6
4 1	11 34.73	+14 52.6	1.372	2.314	10.8	18.8
4 11	11 27.20	+14 11.8	1.437	2.326	14.5	19.0
4 21	11 22.39	+13 12.9	1.523	2.339	17.9	19.3
21785 Méchain			3 17.4 137°33		4°4/13.1 18	
2 11	12 18.44	+14 38.9	2.304	3.130	11.6	19.6
2 21	12 12.09	+15 13.5	2.238	3.140	8.8	19.4
3 2	12 3.86	+15 47.0	2.198	3.150	6.0	19.3
3 12	11 54.43	+16 13.7	2.187	3.160	4.5	19.2
3 22	11 44.65	+16 28.7	2.206	3.169	5.5	19.3
4 1	11 35.42	+16 28.8	2.253	3.177	8.1	19.4
4 11	11 27.53	+16 13.0	2.327	3.186	10.9	19.6
4 21	11 21.50	+15 42.0	2.423	3.193	13.3	19.8
109107 2001 QB_{38}			3 17.4 143°87		1°0/16.2 18	
2 11	12 13.78	+ 1 32.6	2.495	3.302	11.3	20.7
2 21	12 8.49	+ 2 21.7	2.421	3.317	8.5	20.5
3 2	12 1.58	+ 3 19.9	2.373	3.331	5.2	20.3
3 12	11 53.62	+ 4 22.4	2.355	3.344	1.8	20.1
3 22	11 45.31	+ 5 24.1	2.367	3.356	2.3	20.2
4 1	11 37.40	+ 6 19.7	2.409	3.368	5.7	20.4
4 11	11 30.59	+ 7 5.0	2.480	3.378	8.8	20.6
4 21	11 25.34	+ 7 37.5	2.575	3.388	11.5	20.8
192927 2000 AH_{6}			3 17.4 122°35		2°8/14.2 18	
2 11	12 12.62	+ 7 43.7	2.299	3.127	11.5	20.2
2 21	12 7.75	+ 8 35.9	2.233	3.140	8.5	20.0
3 2	12 1.17	+ 9 33.0	2.192	3.152	5.3	19.8
3 12	11 53.48	+10 29.3	2.180	3.164	2.9	19.7
3 22	11 45.43	+11 19.2	2.197	3.176	4.0	19.8
4 1	11 37.83	+11 57.9	2.243	3.187	7.0	20.0
4 11	11 31.40	+12 22.2	2.316	3.198	10.0	20.2
4 21	11 26.64	+12 31.0	2.412	3.209	12.6	20.4

2020	α_{2000}	δ_{2000}	Δ	r	β	V
224902 2007 CP_{54}			3 17.4 358°88		2°1/19.1 17	
	h m	° ′			°	m
2 11	12 6.14	− 5 51.7	1.245	2.082	18.7	19.4
2 21	12 4.28	− 5 40.4	1.172	2.078	14.6	19.2
3 2	11 59.67	− 5 5.0	1.118	2.075	9.8	18.9
3 12	11 53.10	− 4 8.9	1.087	2.073	4.6	18.6
3 22	11 45.70	− 2 59.5	1.079	2.073	2.7	18.4
4 1	11 38.86	− 1 47.0	1.096	2.075	7.6	18.7
4 11	11 33.82	− 0 42.1	1.135	2.078	12.7	19.0
4 21	11 31.37	+ 0 7.5	1.195	2.082	17.2	19.3
36791 2000 SQ_{22}			3 17.4 157°44		3°6/13.7 18	
2 11	12 11.89	+ 8 4.1	1.922	2.761	13.0	19.4
2 21	12 7.62	+ 9 10.8	1.850	2.762	9.7	19.2
3 2	12 1.30	+10 24.3	1.802	2.764	6.2	19.0
3 12	11 53.57	+11 37.3	1.782	2.765	3.7	18.8
3 22	11 45.33	+12 42.3	1.790	2.767	5.1	18.9
4 1	11 37.55	+13 32.5	1.826	2.768	8.5	19.1
4 11	11 31.11	+14 3.9	1.887	2.769	11.9	19.3
4 21	11 26.61	+14 15.4	1.969	2.770	14.9	19.5
384990 2012 TH_{191}			3 17.4 190°65		1°4/18.8 17	
2 11	12 13.73	− 3 55.3	2.302	3.095	12.6	21.1
2 21	12 8.73	− 3 59.5	2.212	3.094	9.8	20.9
3 2	12 1.89	− 3 52.2	2.147	3.094	6.5	20.7
3 12	11 53.79	− 3 35.3	2.109	3.093	3.0	20.5
3 22	11 45.16	− 3 12.0	2.100	3.093	1.8	20.4
4 1	11 36.86	− 2 46.5	2.120	3.092	5.2	20.6
4 11	11 29.69	− 2 23.1	2.168	3.091	8.7	20.8
4 21	11 24.21	− 2 5.6	2.242	3.090	11.8	21.0
164277 2004 XK_{30}			3 17.5 292°55		5°7/12.8 18	
2 11	12 14.42	+11 17.3	1.439	2.292	15.7	19.8
2 21	12 10.29	+12 27.6	1.367	2.285	11.9	19.6
3 2	12 3.34	+13 44.0	1.317	2.278	8.0	19.3
3 12	11 54.40	+14 56.1	1.293	2.271	5.7	19.2
3 22	11 44.65	+15 53.7	1.294	2.265	7.5	19.3
4 1	11 35.47	+16 28.5	1.320	2.258	11.5	19.5
4 11	11 28.12	+16 36.7	1.369	2.252	15.5	19.7
4 21	11 23.41	+16 18.7	1.437	2.245	19.1	19.9
19965 1987 RO_{1}			3 17.5 253°38		1°1/16.0 18	
2 11	12 9.25	+ 2 31.0	2.633	3.450	10.5	18.3
2 21	12 5.21	+ 3 11.5	2.537	3.438	7.9	18.1
3 2	11 59.62	+ 4 0.6	2.466	3.425	4.9	17.8
3 12	11 52.97	+ 4 54.1	2.423	3.413	1.8	17.6
3 22	11 45.85	+ 5 47.5	2.411	3.400	2.4	17.6
4 1	11 38.96	+ 6 35.9	2.428	3.387	5.6	17.8
4 11	11 32.96	+ 7 15.2	2.473	3.374	8.7	18.0
4 21	11 28.35	+ 7 42.7	2.542	3.361	11.4	18.2
153829 2001 WQ_{76}			3 17.5 53°43		2°0/15.7 18	
2 11	12 13.07	+ 3 43.0	1.636	2.472	15.0	20.2
2 21	12 8.75	+ 4 22.5	1.570	2.481	11.2	19.9
3 2	12 2.09	+ 5 12.6	1.527	2.490	6.9	19.7
3 12	11 53.88	+ 6 6.8	1.509	2.499	2.7	19.5
3 22	11 45.13	+ 6 57.7	1.519	2.508	3.6	19.5
4 1	11 36.99	+ 7 38.5	1.557	2.518	7.9	19.8
4 11	11 30.45	+ 8 4.2	1.619	2.528	12.0	20.1
4 21	11 26.14	+ 8 12.6	1.702	2.538	15.4	20.3
89163 2001 UJ_{49}			3 17.5 196°54		7°6/ 9.3 18	
2 11	12 16.40	+21 43.4	2.038	2.873	12.5	19.6
2 21	12 11.00	+23 0.6	1.974	2.871	10.0	19.4
3 2	12 3.40	+24 12.6	1.936	2.869	8.1	19.3
3 12	11 54.34	+25 10.7	1.924	2.867	7.7	19.3
3 22	11 44.75	+25 47.8	1.940	2.864	9.1	19.3
4 1	11 35.70	+25 59.7	1.981	2.861	11.4	19.5
4 11	11 28.14	+25 45.9	2.045	2.857	13.9	19.6
4 21	11 22.67	+25 8.8	2.128	2.853	16.2	19.8
64591 2001 XW_{7}			3 17.5 124°29		4°8/22.4 18	
2 11	12 16.31	−14 51.8	2.239	2.977	14.6	19.3
2 21	12 10.70	−15 13.5	2.159	2.993	12.0	19.2
3 2	12 3.12	−15 16.3	2.101	3.009	9.1	19.0
3 12	11 54.23	−15 0.4	2.068	3.024	6.3	18.9
3 22	11 44.84	−14 27.7	2.064	3.038	4.8	18.8
4 1	11 35.89	−13 42.7	2.089	3.052	6.0	18.9
4 11	11 28.23	−12 51.6	2.142	3.066	8.7	19.1
4 21	11 22.42	−12 0.4	2.219	3.078	11.5	19.3
264631 2001 WG_{44}			3 17.5 141°55		0°1/17.4 16	
2 11	12 13.31	− 1 40.6	2.230	3.034	12.6	22.4
2 21	12 8.36	− 1 2.8	2.154	3.045	9.6	22.2
3 2	12 1.61	− 0 12.7	2.102	3.056	6.0	22.0
3 12	11 53.67	+ 0 45.3	2.077	3.066	2.2	21.8
3 22	11 45.31	+ 1 46.0	2.083	3.076	1.8	21.8
4 1	11 37.38	+ 2 43.4	2.118	3.085	5.7	22.0
4 11	11 30.64	+ 3 32.5	2.181	3.094	9.2	22.3
4 21	11 25.62	+ 4 9.6	2.269	3.102	12.2	22.5

272930 2006 BC_{220} 3 17.5 67°.61 2°.9/14.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 11.01	+ 5 45.6	1.850	2.688	13.4	20.3
2 21	12 7.02	+ 6 48.4	1.779	2.691	10.0	20.0
3 2	12 0.95	+ 8 0.3	1.732	2.695	6.2	19.8
3 12	11 53.47	+ 9 14.1	1.712	2.699	3.1	19.6
3 22	11 45.48	+10 22.1	1.720	2.702	4.4	19.7
4 1	11 37.96	+11 17.1	1.755	2.706	8.1	20.0
4 11	11 31.81	+11 54.6	1.816	2.710	11.7	20.2
4 21	11 27.63	+12 12.5	1.899	2.713	14.9	20.4

265779 2005 WM_{97} 3 17.5 34°.47 0°.7/18.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 12.17	− 3 4.4	1.796	2.609	14.8	20.8
2 21	12 8.01	− 2 44.6	1.715	2.610	11.4	20.6
3 2	12 1.64	− 2 9.4	1.657	2.612	7.4	20.3
3 12	11 53.74	− 1 22.4	1.625	2.613	2.9	20.0
3 22	11 45.24	− 0 29.4	1.621	2.614	1.9	20.0
4 1	11 37.18	+ 0 23.0	1.644	2.616	6.4	20.3
4 11	11 30.53	+ 1 8.2	1.693	2.618	10.5	20.5
4 21	11 25.94	+ 1 41.6	1.765	2.619	14.2	20.7

496082 2009 SD_{112} 3 17.5 217°.59 2°.5/20.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 11.13	−10 23.6	2.203	2.976	13.8	22.5
2 21	12 6.96	− 9 50.3	2.103	2.968	11.0	22.3
3 2	12 0.88	− 8 57.1	2.025	2.961	7.7	22.0
3 12	11 53.47	− 7 46.3	1.975	2.952	4.2	21.8
3 22	11 45.45	− 6 22.7	1.953	2.943	2.6	21.7
4 1	11 37.72	− 4 53.0	1.961	2.934	5.4	21.8
4 11	11 31.10	− 3 24.8	1.997	2.924	9.0	22.0
4 21	11 26.21	− 2 5.0	2.058	2.914	12.3	22.2

39757 1997 EL_{28} 3 17.5 134°.75 0°.6/16.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 15.09	+ 1 28.1	2.344	3.152	12.0	20.0
2 21	12 9.59	+ 1 47.1	2.269	3.164	9.0	19.8
3 2	12 2.33	+ 2 14.6	2.218	3.175	5.6	19.6
3 12	11 53.92	+ 2 46.9	2.196	3.186	1.9	19.4
3 22	11 45.12	+ 3 19.5	2.204	3.196	2.0	19.4
4 1	11 36.76	+ 3 48.3	2.242	3.206	5.6	19.6
4 11	11 29.57	+ 4 9.3	2.308	3.216	8.9	19.9
4 21	11 24.07	+ 4 20.4	2.399	3.225	11.8	20.1

125013 2001 TL_{170} 3 17.5 268°.95 5°.3/21.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 14.03	−12 43.8	1.549	2.330	18.3	20.0
2 21	12 10.12	−13 1.7	1.450	2.314	15.1	19.8
3 2	12 3.40	−12 55.0	1.370	2.298	11.2	19.5
3 12	11 54.52	−12 22.6	1.313	2.282	7.3	19.2
3 22	11 44.51	−11 26.9	1.282	2.266	5.3	19.0
4 1	11 34.74	−10 14.6	1.276	2.249	7.7	19.1
4 11	11 26.57	− 8 55.6	1.296	2.232	12.1	19.3
4 21	11 20.96	− 7 40.2	1.338	2.215	16.3	19.5

203903 2003 HY_{28} 3 17.5 335°.00 0°.4/17.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 15.87	+ 1 33.7	1.224	2.068	18.5	19.7
2 21	12 11.86	+ 1 26.8	1.147	2.060	14.2	19.4
3 2	12 4.61	+ 1 33.3	1.089	2.052	9.0	19.1
3 12	11 54.95	+ 1 48.9	1.055	2.045	3.2	18.7
3 22	11 44.21	+ 2 7.3	1.045	2.039	2.9	18.6
4 1	11 34.05	+ 2 21.3	1.060	2.033	8.9	19.0
4 11	11 25.98	+ 2 24.7	1.098	2.028	14.3	19.2
4 21	11 20.95	+ 2 13.9	1.155	2.024	19.0	19.5

493501 2015 BR_{34} 3 17.5 117°.97 1°.3/16.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 12.98	+ 2 38.6	2.007	2.830	13.1	21.9
2 21	12 8.32	+ 3 15.5	1.933	2.837	9.8	21.7
3 2	12 1.68	+ 4 2.1	1.884	2.844	6.0	21.5
3 12	11 53.72	+ 4 53.4	1.862	2.851	2.2	21.3
3 22	11 45.30	+ 5 43.3	1.868	2.858	2.8	21.3
4 1	11 37.34	+ 6 26.0	1.904	2.865	6.7	21.6
4 11	11 30.69	+ 6 57.0	1.965	2.871	10.3	21.8
4 21	11 25.92	+ 7 13.8	2.050	2.878	13.5	22.0

397836 2008 SE_{189} 3 17.5 164°.64 1°.6/18.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 15.86	− 6 18.5	1.782	2.577	15.7	21.9
2 21	12 10.81	− 5 50.3	1.700	2.583	12.2	21.6
3 2	12 3.42	− 5 2.8	1.641	2.588	8.1	21.4
3 12	11 54.40	− 3 59.7	1.607	2.592	3.7	21.1
3 22	11 44.73	− 2 46.9	1.602	2.596	2.2	21.0
4 1	11 35.56	− 1 32.3	1.626	2.599	6.4	21.3
4 11	11 27.90	− 0 24.1	1.677	2.601	10.7	21.6
4 21	11 22.45	+ 0 31.8	1.751	2.602	14.4	21.8

356651 2011 UK_{61} 3 17.5 125°.63 1°.9/20.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 8.28	− 8 30.4	2.911	3.682	10.8	21.1
2 21	12 4.27	− 8 10.2	2.825	3.691	8.5	21.0
3 2	11 58.93	− 7 37.2	2.762	3.698	5.8	20.8
3 12	11 52.71	− 6 53.5	2.728	3.706	3.1	20.6
3 22	11 46.16	− 6 2.3	2.723	3.714	2.0	20.6
4 1	11 39.89	− 5 7.7	2.749	3.721	4.1	20.7
4 11	11 34.45	− 4 14.3	2.803	3.728	6.8	20.9
4 21	11 30.27	− 3 25.9	2.883	3.735	9.3	21.1

110000 2001 SM_{63} 3 17.5 166°.46 2°.3/15.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 15.15	+ 5 43.1	1.909	2.737	13.5	20.2
2 21	12 10.10	+ 6 17.3	1.832	2.739	10.1	20.0
3 2	12 2.88	+ 6 59.0	1.780	2.741	6.3	19.7
3 12	11 54.18	+ 7 42.5	1.754	2.742	2.8	19.5
3 22	11 44.94	+ 8 21.7	1.757	2.744	3.7	19.6
4 1	11 36.17	+ 8 50.9	1.789	2.745	7.6	19.8
4 11	11 28.82	+ 9 6.3	1.846	2.745	11.3	20.0
4 21	11 23.52	+ 9 6.2	1.926	2.746	14.5	20.2

291016 2005 YD_{11} 3 17.5 47°.36 0°.5/17.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 12.46	− 2 23.8	1.795	2.610	14.8	21.1
2 21	12 8.21	− 2 5.4	1.717	2.613	11.3	20.9
3 2	12 1.76	− 1 32.3	1.661	2.616	7.2	20.6
3 12	11 53.80	− 0 48.4	1.631	2.620	2.8	20.3
3 22	11 45.25	+ 0 0.7	1.629	2.623	2.0	20.3
4 1	11 37.18	+ 0 48.6	1.655	2.627	6.4	20.6
4 11	11 30.52	+ 1 28.9	1.707	2.630	10.5	20.8
4 21	11 25.93	+ 1 57.5	1.781	2.634	14.1	21.1

236180 2005 VT_{80} 3 17.5 70°.72 2°.6/15.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 13.25	+ 2 51.3	1.322	2.169	17.2	20.0
2 21	12 9.42	+ 3 58.0	1.259	2.175	12.9	19.7
3 2	12 2.77	+ 5 20.6	1.217	2.182	7.9	19.5
3 12	11 54.20	+ 6 49.6	1.199	2.189	3.2	19.2
3 22	11 44.94	+ 8 14.1	1.208	2.196	4.6	19.3
4 1	11 36.39	+ 9 23.5	1.242	2.202	9.6	19.6
4 11	11 29.77	+10 10.8	1.299	2.209	14.2	19.9
4 21	11 25.80	+10 33.5	1.376	2.216	18.2	20.2

420202 2011 GG_{76} 3 17.5 10°.50 7°.3/11.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 12.12	+16 14.4	1.448	2.309	15.2	20.4
2 21	12 8.39	+17 23.7	1.393	2.311	11.7	20.2
3 2	12 2.02	+18 31.7	1.359	2.314	8.6	20.0
3 12	11 53.90	+19 27.8	1.350	2.318	7.3	19.9
3 22	11 45.21	+20 3.1	1.366	2.323	9.0	20.0
4 1	11 37.25	+20 12.1	1.406	2.329	12.2	20.2
4 11	11 31.12	+19 53.6	1.468	2.336	15.6	20.4
4 21	11 27.47	+19 10.1	1.548	2.343	18.6	20.7

176376 2001 TT_{229} 3 17.5 131°.69 3°.5/12.0 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 10.25	+12 5.9	2.971	3.800	9.1	20.9
2 21	12 5.66	+13 19.7	2.911	3.816	6.8	20.7
3 2	11 59.75	+14 35.0	2.877	3.832	4.6	20.6
3 12	11 52.99	+15 46.3	2.874	3.847	3.5	20.6
3 22	11 45.97	+16 48.9	2.902	3.861	4.6	20.6
4 1	11 39.27	+17 38.7	2.958	3.875	6.7	20.8
4 11	11 33.46	+18 13.4	3.042	3.888	8.9	21.0
4 21	11 28.95	+18 32.5	3.149	3.901	10.9	21.1

283492 2001 SH_{131} 3 17.5 156°.41 0°.6/18.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 17.34	− 2 56.1	1.800	2.604	15.2	21.5
2 21	12 11.87	− 2 34.4	1.722	2.612	11.6	21.3
3 2	12 4.05	− 1 57.3	1.666	2.619	7.5	21.0
3 12	11 54.63	− 1 8.8	1.638	2.626	2.9	20.8
3 22	11 44.60	− 0 14.7	1.637	2.631	2.0	20.7
4 1	11 35.09	+ 0 38.3	1.666	2.636	6.6	21.0
4 11	11 27.13	+ 1 23.5	1.721	2.640	10.8	21.3
4 21	11 21.38	+ 1 56.6	1.800	2.643	14.4	21.5

306091 2010 HA_{35} 3 17.5 224°.88 6°.3/ 7.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 12.23	+24 59.9	3.013	3.836	9.2	21.0
2 21	12 7.32	+26 7.9	2.943	3.826	7.6	20.9
3 2	12 0.88	+27 10.3	2.899	3.816	6.5	20.8
3 12	11 53.43	+28 1.3	2.884	3.805	6.4	20.8
3 22	11 45.59	+28 36.4	2.896	3.794	7.5	20.8
4 1	11 38.05	+28 52.6	2.935	3.783	9.1	20.9
4 11	11 31.46	+28 49.2	2.998	3.771	10.9	21.0
4 21	11 26.28	+28 27.3	3.081	3.759	12.5	21.2

259135 2002 XQ_{58} 3 17.5 38°.45 8°.9/25.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 13.34	−19 52.1	1.415	2.169	20.9	19.8
2 21	12 9.51	−20 49.8	1.352	2.185	17.8	19.6
3 2	12 2.85	−21 16.7	1.306	2.202	14.3	19.4
3 12	11 54.25	−21 10.0	1.280	2.220	11.0	19.3
3 22	11 44.92	−20 31.3	1.278	2.238	9.0	19.2
4 1	11 36.28	−19 27.0	1.299	2.258	9.5	19.3
4 11	11 29.57	−18 8.0	1.345	2.277	12.0	19.5
4 21	11 25.54	−16 45.6	1.411	2.297	15.1	19.7

419556 2010 PO_{73} 3 17.5 224°.14 0°.2/17.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 14.87	− 2 9.2	1.981	2.787	13.9	22.7
2 21	12 10.00	− 1 40.3	1.884	2.776	10.7	22.5
3 2	12 2.92	− 0 56.8	1.811	2.766	6.9	22.2
3 12	11 54.26	− 0 2.5	1.766	2.754	2.6	21.9
3 22	11 44.87	+ 0 57.1	1.749	2.742	2.0	21.8
4 1	11 35.79	+ 1 55.3	1.761	2.729	6.4	22.1
4 11	11 27.98	+ 2 45.6	1.800	2.716	10.5	22.3
4 21	11 22.16	+ 3 23.6	1.863	2.702	14.2	22.5

82534 2001 OE_{64} 3 17.5 147°.20 3°.4/13.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 9.84	+ 9 8.5	2.381	3.215	10.9	19.5
2 21	12 5.73	+10 20.9	2.309	3.219	8.1	19.3
3 2	11 59.97	+11 38.1	2.264	3.224	5.2	19.1
3 12	11 53.12	+12 53.9	2.247	3.228	3.4	19.0
3 22	11 45.87	+14 1.8	2.260	3.231	4.7	19.1
4 1	11 38.99	+14 56.5	2.302	3.235	7.5	19.3
4 11	11 33.16	+15 34.5	2.369	3.238	10.3	19.5
4 21	11 28.89	+15 54.7	2.459	3.242	12.8	19.7

350128 2011 QV_{96} 3 17.5 284°.95 0°.2/17.7 16

2 11	12 9.35	− 2 17.3	2.231	3.040	12.5	21.8
2 21	12 5.57	− 1 46.0	2.136	3.030	9.5	21.6
3 2	12 0.00	− 1 1.6	2.065	3.020	6.1	21.3
3 12	11 53.17	− 0 7.7	2.021	3.010	2.3	21.1
3 22	11 45.80	+ 0 50.8	2.006	3.000	1.7	21.0
4 1	11 38.69	+ 1 48.1	2.021	2.990	5.6	21.3
4 11	11 32.64	+ 2 38.5	2.062	2.980	9.3	21.5
4 21	11 28.23	+ 3 17.9	2.127	2.971	12.5	21.6

120138 2003 GB_{17} 3 17.5 287°.96 6°.4/24.8 17

2 11	12 10.43	−20 37.9	2.429	3.138	14.3	19.6
2 21	12 6.45	−21 8.4	2.322	3.125	12.3	19.4
3 2	12 0.62	−21 18.9	2.235	3.112	10.0	19.3
3 12	11 53.42	−21 7.9	2.171	3.100	7.8	19.1
3 22	11 45.57	−20 35.9	2.134	3.087	6.5	19.0
4 1	11 37.90	−19 46.1	2.124	3.075	6.9	19.0
4 11	11 31.24	−18 43.9	2.141	3.062	8.9	19.1
4 21	11 26.23	−17 36.1	2.183	3.050	11.3	19.2

126767 2002 DM_{12} 3 17.5 104°.83 1°.2/16.6 18

2 11	12 19.53	+ 2 43.5	1.573	2.398	16.0	19.6
2 21	12 13.68	+ 2 58.9	1.508	2.412	12.1	19.3
3 2	12 5.22	+ 3 25.0	1.466	2.426	7.5	19.1
3 12	11 55.04	+ 3 56.3	1.449	2.439	2.6	18.8
3 22	11 44.31	+ 4 26.5	1.461	2.452	3.0	18.9
4 1	11 34.32	+ 4 49.7	1.500	2.465	7.7	19.2
4 11	11 26.18	+ 5 1.2	1.564	2.477	12.0	19.5
4 21	11 20.55	+ 4 58.9	1.651	2.489	15.7	19.7

420678 2012 KO_{15} 3 17.5 158°.31 4°.1/13.0 17

2 11	12 13.17	+10 33.0	2.052	2.888	12.3	21.2
2 21	12 8.47	+11 37.4	1.982	2.892	9.2	21.0
3 2	12 1.79	+12 45.8	1.937	2.895	6.1	20.8
3 12	11 53.80	+13 51.1	1.920	2.898	4.1	20.7
3 22	11 45.32	+14 46.4	1.931	2.901	5.5	20.8
4 1	11 37.31	+15 26.0	1.970	2.904	8.6	21.0
4 11	11 30.60	+15 46.8	2.035	2.906	11.7	21.2
4 21	11 25.77	+15 48.4	2.121	2.908	14.5	21.4

140968 2001 VU_{116} 3 17.5 137°.63 0°.4/16.9 18

2 11	12 10.74	+ 0 28.0	2.795	3.599	10.3	20.7
2 21	12 6.12	+ 0 59.0	2.716	3.610	7.8	20.5
3 2	12 0.09	+ 1 38.3	2.664	3.620	4.8	20.3
3 12	11 53.14	+ 2 22.4	2.640	3.630	1.7	20.1
3 22	11 45.88	+ 3 7.2	2.647	3.639	1.7	20.1
4 1	11 38.93	+ 3 48.8	2.684	3.648	4.8	20.4
4 11	11 32.90	+ 4 23.4	2.750	3.657	7.7	20.6
4 21	11 28.22	+ 4 48.6	2.840	3.665	10.2	20.7

227426 2005 VB_{70} 3 17.5 259°.53 5°.2/23.0 18

2 11	12 10.99	−16 55.4	2.075	2.817	15.5	20.7
2 21	12 7.15	−16 49.5	1.964	2.800	12.9	20.5
3 2	12 1.19	−16 19.5	1.874	2.782	10.0	20.2
3 12	11 53.67	−15 25.0	1.809	2.764	7.0	20.0
3 22	11 45.37	−14 8.5	1.770	2.746	5.2	19.9
4 1	11 37.27	−12 35.9	1.759	2.728	6.5	19.9
4 11	11 30.34	−10 55.7	1.776	2.708	9.6	20.0
4 21	11 25.31	− 9 16.9	1.818	2.689	13.0	20.2

430128 2013 TH_{34} 3 17.5 154°.13 2°.2/15.1 17

2 11	12 12.95	+ 5 31.7	2.231	3.056	11.9	21.8
2 21	12 8.14	+ 6 15.5	2.155	3.061	8.9	21.6
3 2	12 1.52	+ 7 6.3	2.105	3.066	5.5	21.4
3 12	11 53.69	+ 7 58.7	2.082	3.070	2.5	21.2
3 22	11 45.42	+ 8 47.1	2.089	3.074	3.4	21.3
4 1	11 37.57	+ 9 26.4	2.125	3.078	6.8	21.5
4 11	11 30.89	+ 9 52.8	2.188	3.081	10.0	21.7
4 21	11 25.93	+10 4.5	2.274	3.084	12.9	21.9

277460 2005 UZ_{526} 3 17.5 230°.24 1°.2/16.3 17

2 11	12 13.04	+ 1 59.7	2.015	2.836	13.2	21.5
2 21	12 8.51	+ 2 35.6	1.927	2.829	9.9	21.2
3 2	12 1.92	+ 3 22.5	1.862	2.822	6.2	21.0
3 12	11 53.89	+ 4 15.5	1.825	2.815	2.2	20.7
3 22	11 45.24	+ 5 8.6	1.817	2.808	2.7	20.7
4 1	11 36.94	+ 5 55.7	1.838	2.800	6.8	21.0
4 11	11 29.89	+ 6 31.5	1.884	2.792	10.6	21.2
4 21	11 24.74	+ 6 53.0	1.954	2.784	14.0	21.4

401116 2011 US_{268} 3 17.5 152°.40 3°.5/20.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 15.74	−10 18.5	1.789	2.567	16.3	22.0
2 21	12 10.76	−10 15.8	1.707	2.574	13.0	21.8
3 2	12 3.42	− 9 52.2	1.646	2.580	9.2	21.6
3 12	11 54.44	− 9 9.1	1.611	2.586	5.3	21.3
3 22	11 44.80	− 8 11.0	1.603	2.592	3.5	21.2
4 1	11 35.64	− 7 4.7	1.623	2.596	6.4	21.4
4 11	11 28.01	− 5 58.3	1.670	2.600	10.3	21.6
4 21	11 22.59	− 4 58.9	1.741	2.604	13.9	21.9

379298 2009 VO_{70} 3 17.5 102°.06 0°.1/17.4 17

2 11	12 13.07	− 0 38.9	1.935	2.750	13.8	21.8
2 21	12 8.50	− 0 15.9	1.858	2.756	10.5	21.6
3 2	12 1.87	+ 0 19.5	1.804	2.761	6.6	21.4
3 12	11 53.85	+ 1 3.1	1.777	2.767	2.4	21.1
3 22	11 45.30	+ 1 49.4	1.779	2.772	2.0	21.1
4 1	11 37.22	+ 2 32.6	1.809	2.778	6.3	21.4
4 11	11 30.48	+ 3 7.2	1.865	2.783	10.1	21.6
4 21	11 25.68	+ 3 29.8	1.945	2.788	13.5	21.9

39859 1998 DC_{7} 3 17.5 342°.81 1°.7/18.8 18

2 11	12 6.72	− 5 46.3	1.175	2.015	19.4	18.4
2 21	12 4.98	− 5 22.9	1.096	2.004	15.2	18.0
3 2	12 0.31	− 4 32.3	1.036	1.995	10.1	17.7
3 12	11 53.44	− 3 18.5	0.999	1.986	4.5	17.4
3 22	11 45.58	− 1 50.0	0.984	1.979	2.6	17.2
4 1	11 38.21	− 0 19.0	0.994	1.972	8.3	17.5
4 11	11 32.73	+ 1 1.9	1.026	1.968	13.8	17.8
4 21	11 30.05	+ 2 3.6	1.077	1.964	18.7	18.1

117299 2004 UC_{10} 3 17.5 217°.61 0°.8/18.3 17

2 11	12 14.84	− 4 30.7	1.975	2.773	14.3	20.7
2 21	12 9.99	− 3 56.8	1.877	2.763	11.1	20.5
3 2	12 2.94	− 3 5.8	1.803	2.753	7.2	20.2
3 12	11 54.29	− 2 1.1	1.755	2.742	3.0	19.9
3 22	11 44.90	− 0 48.6	1.737	2.731	1.9	19.8
4 1	11 35.81	+ 0 24.7	1.748	2.718	6.3	20.1
4 11	11 28.00	+ 1 31.1	1.786	2.705	10.4	20.3
4 21	11 22.19	+ 2 25.2	1.848	2.690	14.1	20.5

78906 2003 SY_{85} 3 17.5 142°.59 0°.8/18.2 18

2 11	12 16.36	− 3 23.3	1.998	2.796	14.1	21.1
2 21	12 10.88	− 3 2.4	1.921	2.808	10.8	20.9
3 2	12 3.31	− 2 27.4	1.868	2.819	7.0	20.7
3 12	11 54.36	− 1 41.8	1.842	2.830	2.8	20.5
3 22	11 44.90	− 0 50.8	1.846	2.839	1.8	20.4
4 1	11 35.94	− 0 0.4	1.878	2.848	5.9	20.7
4 11	11 28.37	+ 0 43.6	1.938	2.857	9.8	21.0
4 21	11 22.78	+ 1 16.9	2.022	2.864	13.1	21.2

303754 2005 QJ_{125} 3 17.5 222°.86 0°.1/17.4 17

2 11	12 9.94	− 0 52.7	2.823	3.624	10.3	22.3
2 21	12 5.63	− 0 24.3	2.725	3.616	7.8	22.1
3 2	11 59.87	+ 0 13.4	2.653	3.608	4.9	21.9
3 12	11 53.11	+ 0 57.5	2.610	3.599	1.8	21.7
3 22	11 45.93	+ 1 44.1	2.597	3.590	1.5	21.6
4 1	11 38.97	+ 2 29.0	2.614	3.580	4.8	21.9
4 11	11 32.85	+ 3 8.2	2.660	3.571	7.8	22.0
4 21	11 28.05	+ 3 38.7	2.730	3.561	10.4	22.2

340658 2006 RA_{17} 3 17.5 136°.54 3°.9/21.8 18 R

2 11	12 16.88	−12 51.1	2.804	3.537	12.0	21.0
2 21	12 10.82	−13 26.3	2.714	3.547	9.8	20.9
3 2	12 3.11	−13 48.0	2.648	3.557	7.4	20.7
3 12	11 54.27	−13 56.1	2.610	3.566	5.0	20.6
3 22	11 44.98	−13 51.6	2.601	3.575	3.9	20.5
4 1	11 35.98	−13 37.2	2.623	3.584	5.1	20.6
4 11	11 27.98	−13 16.7	2.674	3.592	7.4	20.8
4 21	11 21.50	−12 54.1	2.752	3.600	9.8	20.9

171592 1999 WN_{14} 3 17.5 7°.48 5°.7/13.6 18

2 11	12 10.56	+10 20.3	1.072	1.946	18.2	18.8
2 21	12 7.92	+11 10.5	1.017	1.947	13.7	18.6
3 2	12 2.07	+12 6.9	0.982	1.949	9.0	18.3
3 12	11 54.02	+12 58.3	0.969	1.953	5.8	18.1
3 22	11 45.21	+13 33.8	0.979	1.959	7.6	18.3
4 1	11 37.28	+13 45.4	1.012	1.966	12.1	18.5
4 11	11 31.58	+13 30.0	1.064	1.974	16.7	18.8
4 21	11 28.86	+12 49.3	1.135	1.984	20.6	19.1

118664 2000 KP_{15} 3 17.5 209°.95 3°.2/13.9 18

2 11	12 14.14	+ 8 25.0	2.204	3.033	11.9	20.4
2 21	12 9.17	+ 9 19.4	2.120	3.027	8.9	20.2
3 2	12 2.26	+10 19.6	2.061	3.020	5.7	20.0
3 12	11 54.01	+11 19.5	2.030	3.013	3.3	19.9
3 22	11 45.20	+12 12.8	2.029	3.006	4.5	19.9
4 1	11 36.74	+12 53.8	2.056	2.998	7.7	20.1
4 11	11 29.48	+13 18.8	2.110	2.989	11.0	20.3
4 21	11 24.00	+13 26.5	2.186	2.980	13.9	20.5

252962 2002 PS_{127} 3 17.5 209°.33 1°.4/15.9 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 14.20	+ 2 21.6	2.131	2.948	12.7	22.1
2 21	12 9.29	+ 3 9.3	2.041	2.941	9.5	21.9
3 2	12 2.38	+ 4 7.8	1.975	2.934	5.9	21.7
3 12	11 54.07	+ 5 12.1	1.937	2.926	2.2	21.4
3 22	11 45.14	+ 6 15.8	1.929	2.918	2.9	21.5
4 1	11 36.54	+ 7 12.6	1.950	2.909	6.8	21.7
4 11	11 29.15	+ 7 57.2	1.998	2.899	10.5	21.9
4 21	11 23.59	+ 8 26.5	2.070	2.888	13.7	22.1

370945 2005 SF_{32} 3 17.5 243°.40 1°.6/19.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 10.48	− 8 29.3	2.080	2.866	14.0	22.0
2 21	12 6.63	− 7 37.2	1.976	2.852	11.0	21.7
3 2	12 0.80	− 6 23.8	1.895	2.839	7.5	21.5
3 12	11 53.53	− 4 52.4	1.841	2.824	3.6	21.2
3 22	11 45.58	− 3 9.0	1.816	2.809	2.0	21.1
4 1	11 37.89	− 1 21.8	1.821	2.794	5.8	21.3
4 11	11 31.34	+ 0 20.2	1.854	2.779	9.8	21.5
4 21	11 26.59	+ 1 49.9	1.912	2.762	13.4	21.7

206711 2004 BO_{39} 3 17.5 92°.80 1°.3/18.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 14.00	− 3 42.2	2.170	2.966	13.2	20.2
2 21	12 9.01	− 3 45.4	2.088	2.973	10.2	20.0
3 2	12 2.12	− 3 36.4	2.031	2.979	6.7	19.8
3 12	11 53.95	− 3 17.7	2.001	2.986	3.0	19.6
3 22	11 45.29	− 2 52.7	1.999	2.993	1.9	19.5
4 1	11 37.03	− 2 25.9	2.027	2.999	5.4	19.8
4 11	11 29.99	− 2 1.8	2.082	3.005	8.9	20.0
4 21	11 24.74	− 1 44.2	2.162	3.012	12.1	20.2

249356 2008 YZ_{31} 3 17.5 4°.15 20°.9/ 2.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 14.73	−34 14.2	1.170	1.855	27.9	19.0
2 21	12 12.22	−37 35.8	1.108	1.853	26.2	18.9
3 2	12 5.67	−40 21.9	1.058	1.853	24.4	18.7
3 12	11 55.66	−42 19.2	1.022	1.855	22.7	18.6
3 22	11 43.65	−43 17.6	1.001	1.859	21.4	18.5
4 1	11 31.89	−43 13.9	0.995	1.864	20.9	18.5
4 11	11 22.71	−42 16.0	1.005	1.871	21.2	18.5
4 21	11 17.67	−40 38.8	1.030	1.879	22.2	18.6

504190 2006 TA_{39} 3 17.5 182°.17 0°.5/16.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 10.24	+ 1 13.5	3.198	4.000	9.2	22.8
2 21	12 5.64	+ 1 46.1	3.108	4.001	6.9	22.7
3 2	11 59.77	+ 2 25.8	3.045	4.001	4.3	22.5
3 12	11 53.06	+ 3 9.5	3.011	4.001	1.5	22.3
3 22	11 46.03	+ 3 53.7	3.009	4.000	1.7	22.3
4 1	11 39.23	+ 4 34.7	3.037	3.999	4.5	22.5
4 11	11 33.19	+ 5 9.4	3.094	3.997	7.1	22.7
4 21	11 28.33	+ 5 35.3	3.177	3.994	9.4	22.8

422099 2014 QL_{402} 3 17.5 104°.58 1°.8/16.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 17.60	+ 3 56.0	1.639	2.468	15.3	21.6
2 21	12 12.18	+ 4 21.7	1.572	2.479	11.5	21.4
3 2	12 4.28	+ 4 57.0	1.528	2.490	7.1	21.1
3 12	11 54.75	+ 5 35.9	1.511	2.500	2.7	20.9
3 22	11 44.67	+ 6 12.0	1.521	2.511	3.4	20.9
4 1	11 35.25	+ 6 39.1	1.559	2.521	7.8	21.2
4 11	11 27.55	+ 6 52.9	1.622	2.531	12.0	21.5
4 21	11 22.23	+ 6 51.3	1.708	2.541	15.5	21.7

265011 2003 FK_{94} 3 17.5 348°.85 2°.8/14.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 7.49	+ 3 0.7	1.442	2.293	15.8	19.7
2 21	12 4.99	+ 4 14.6	1.367	2.287	11.8	19.4
3 2	12 0.01	+ 5 44.7	1.315	2.282	7.3	19.1
3 12	11 53.28	+ 7 22.2	1.288	2.278	3.2	18.9
3 22	11 45.83	+ 8 56.3	1.288	2.274	4.7	18.9
4 1	11 38.87	+10 16.5	1.312	2.271	9.3	19.2
4 11	11 33.50	+11 14.8	1.360	2.269	13.8	19.4
4 21	11 30.47	+11 48.0	1.428	2.268	17.6	19.7

271183 2003 SW_{297} 3 17.5 220°.09 4°.5/23.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 10.66	−18 22.2	2.664	3.380	13.0	22.3
2 21	12 6.39	−18 5.1	2.553	3.370	10.9	22.2
3 2	12 0.46	−17 27.5	2.464	3.360	8.5	22.0
3 12	11 53.37	−16 29.8	2.401	3.349	6.0	21.8
3 22	11 45.76	−15 14.5	2.366	3.337	4.6	21.7
4 1	11 38.36	−13 46.3	2.361	3.325	5.4	21.7
4 11	11 31.90	−12 11.8	2.385	3.312	7.8	21.8
4 21	11 26.91	−10 38.0	2.436	3.298	10.4	22.0

391892 2008 UQ_{69} 3 17.5 179°.72 2°.3/14.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 11.65	+ 5 21.8	2.211	3.038	11.9	21.9
2 21	12 7.24	+ 6 14.0	2.132	3.039	8.9	21.7
3 2	12 1.01	+ 7 14.1	2.078	3.039	5.5	21.4
3 12	11 53.56	+ 8 16.3	2.052	3.039	2.6	21.3
3 22	11 45.63	+ 9 14.5	2.055	3.039	3.6	21.3
4 1	11 38.07	+10 3.1	2.088	3.039	7.0	21.5
4 11	11 31.67	+10 37.9	2.146	3.038	10.3	21.7
4 21	11 26.96	+10 56.8	2.228	3.037	13.1	21.9

384209 2009 BQ_{188} 3 17.5 47°.38 3°.2/13.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 7.75	+ 5 27.6	1.949	2.789	12.7	20.2
2 21	12 4.45	+ 7 5.5	1.888	2.803	9.4	20.0
3 2	11 59.29	+ 8 52.7	1.852	2.816	5.8	19.8
3 12	11 52.93	+10 40.9	1.845	2.830	3.3	19.7
3 22	11 46.17	+12 21.0	1.867	2.844	4.8	19.8
4 1	11 39.88	+13 45.5	1.916	2.858	8.2	20.1
4 11	11 34.83	+14 49.3	1.991	2.873	11.4	20.3
4 21	11 31.54	+15 30.5	2.088	2.888	14.2	20.5

414107 2007 TS_{386} 3 17.5 235°.91 0°.4/17.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 14.90	− 2 43.5	1.887	2.694	14.5	22.1
2 21	12 10.18	− 2 15.3	1.789	2.681	11.2	21.9
3 2	12 3.15	− 1 31.2	1.713	2.667	7.2	21.6
3 12	11 54.42	− 0 35.0	1.664	2.653	2.8	21.3
3 22	11 44.89	+ 0 27.8	1.644	2.638	2.0	21.2
4 1	11 35.63	+ 1 29.9	1.652	2.622	6.6	21.5
4 11	11 27.70	+ 2 24.4	1.688	2.606	11.0	21.7
4 21	11 21.85	+ 3 5.9	1.746	2.589	14.8	21.9

189485 1999 VY_{164} 3 17.5 264°.83 3°.0/19.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 14.14	− 8 8.5	1.461	2.266	18.1	20.1
2 21	12 10.30	− 8 2.2	1.366	2.251	14.4	19.9
3 2	12 3.59	− 7 32.0	1.291	2.237	10.0	19.6
3 12	11 54.68	− 6 39.3	1.239	2.221	5.3	19.2
3 22	11 44.65	− 5 29.3	1.214	2.206	3.2	19.1
4 1	11 34.91	− 4 10.6	1.214	2.190	7.6	19.3
4 11	11 26.85	− 2 54.0	1.239	2.174	12.6	19.5
4 21	11 21.43	− 1 48.5	1.286	2.158	17.2	19.7

398212 2010 NF_{105} 3 17.5 181°.36 3°.4/12.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 10.47	+12 36.4	2.826	3.656	9.5	21.6
2 21	12 5.98	+13 19.0	2.750	3.657	7.2	21.4
3 2	12 0.06	+14 2.6	2.701	3.657	4.8	21.3
3 12	11 53.19	+14 42.6	2.681	3.657	3.5	21.2
3 22	11 45.99	+15 14.7	2.690	3.656	4.5	21.3
4 1	11 39.10	+15 35.4	2.729	3.656	6.7	21.4
4 11	11 33.12	+15 42.7	2.793	3.656	9.2	21.6
4 21	11 28.50	+15 36.2	2.881	3.655	11.3	21.7

380370 2002 TF_{216} 3 17.5 53°.19 8°.2/ 8.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 13.66	+21 55.3	1.817	2.662	13.3	19.7
2 21	12 8.90	+23 34.7	1.790	2.692	10.6	19.6
3 2	12 2.02	+25 5.4	1.789	2.722	8.7	19.5
3 12	11 53.88	+26 17.9	1.813	2.752	8.4	19.6
3 22	11 45.50	+27 5.5	1.863	2.782	9.7	19.7
4 1	11 37.92	+27 25.1	1.938	2.812	11.9	19.9
4 11	11 31.96	+27 17.4	2.035	2.842	14.2	20.1
4 21	11 28.09	+26 45.9	2.150	2.872	16.2	20.3

57388 2001 RQ_{72} 3 17.5 63°.59 0°.1/17.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 14.99	− 0 19.0	1.636	2.458	15.6	18.3
2 21	12 10.20	− 0 3.3	1.571	2.472	11.8	18.1
3 2	12 3.04	+ 0 25.7	1.528	2.487	7.4	17.8
3 12	11 54.32	+ 1 3.3	1.512	2.501	2.7	17.6
3 22	11 45.10	+ 1 43.5	1.522	2.516	2.2	17.6
4 1	11 36.52	+ 2 19.9	1.561	2.531	6.9	17.9
4 11	11 29.59	+ 2 46.8	1.624	2.546	11.1	18.2
4 21	11 24.92	+ 3 1.0	1.710	2.560	14.7	18.4

111740 2002 CD_{85} 3 17.5 196°.34 2°.8/20.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 12.06	−10 9.5	2.831	3.588	11.4	20.1
2 21	12 7.26	−10 19.0	2.733	3.586	9.2	20.0
3 2	12 0.92	−10 15.7	2.658	3.584	6.6	19.8
3 12	11 53.54	−10 0.5	2.611	3.581	4.0	19.6
3 22	11 45.70	− 9 35.2	2.594	3.578	2.8	19.5
4 1	11 38.09	− 9 3.3	2.606	3.575	4.6	19.6
4 11	11 31.37	− 8 28.8	2.647	3.572	7.2	19.8
4 21	11 26.01	− 7 55.8	2.714	3.568	9.8	20.0

471367 2011 SD_{60} 3 17.5 210°.74 4°.2/22.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 11.46	−15 51.7	2.890	3.615	11.9	21.9
2 21	12 6.85	−16 4.1	2.785	3.609	9.9	21.8
3 2	12 0.70	−16 0.9	2.703	3.603	7.6	21.6
3 12	11 53.47	−15 42.1	2.646	3.596	5.4	21.4
3 22	11 45.76	−15 9.3	2.619	3.589	4.2	21.3
4 1	11 38.24	−14 25.7	2.621	3.582	5.1	21.4
4 11	11 31.58	−13 35.7	2.651	3.574	7.3	21.5
4 21	11 26.28	−12 44.3	2.708	3.566	9.6	21.7

241068 2006 SV_{351} 3 17.5 170°.35 0°.1/17.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 8.49	− 2 56.5	2.618	3.418	11.1	21.3
2 21	12 4.63	− 2 2.9	2.530	3.420	8.4	21.2
3 2	11 59.28	− 0 56.9	2.468	3.422	5.3	21.0
3 12	11 52.94	+ 0 17.6	2.435	3.424	1.9	20.7
3 22	11 46.22	+ 1 35.4	2.431	3.425	1.6	20.7
4 1	11 39.78	+ 2 50.8	2.459	3.426	5.0	20.9
4 11	11 34.25	+ 3 58.6	2.514	3.427	8.1	21.1
4 21	11 30.09	+ 4 55.0	2.595	3.427	10.8	21.3

275519 1997 JK_7 3 17.5 105.°73 4.°5/22.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 10.93	−14 22.6	1.714	2.484	17.2	20.9
2 21	12 7.29	−14 4.7	1.630	2.488	14.0	20.6
3 2	12 1.34	−13 20.2	1.566	2.491	10.3	20.4
3 12	11 53.76	−12 10.4	1.527	2.495	6.6	20.2
3 22	11 45.53	−10 40.5	1.513	2.498	4.5	20.1
4 1	11 37.76	− 8 58.8	1.528	2.502	6.5	20.2
4 11	11 31.46	− 7 15.9	1.568	2.505	10.3	20.4
4 21	11 27.33	− 5 41.2	1.633	2.508	14.0	20.7

375501 2008 UP_{76} 3 17.5 47.°84 6.°1/12.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 15.66	+16 34.6	1.803	2.646	13.5	20.0
2 21	12 10.48	+17 24.1	1.751	2.660	10.3	19.8
3 2	12 3.08	+18 10.8	1.724	2.675	7.4	19.7
3 12	11 54.30	+18 47.0	1.722	2.689	6.1	19.6
3 22	11 45.16	+19 6.3	1.748	2.705	7.4	19.7
4 1	11 36.73	+19 5.2	1.800	2.720	10.1	19.9
4 11	11 29.93	+18 43.0	1.876	2.736	13.1	20.1
4 21	11 25.29	+18 1.8	1.972	2.751	15.7	20.3

267375 2001 XD_{180} 3 17.5 74.°06 3.°1/20.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 13.38	− 9 57.3	1.782	2.567	16.1	20.9
2 21	12 8.82	− 9 45.9	1.717	2.588	12.7	20.7
3 2	12 2.10	− 9 13.9	1.673	2.610	8.9	20.5
3 12	11 53.97	− 8 23.8	1.654	2.631	5.0	20.3
3 22	11 45.41	− 7 20.9	1.663	2.653	3.2	20.2
4 1	11 37.45	− 6 12.4	1.700	2.674	6.0	20.5
4 11	11 30.99	− 5 6.2	1.763	2.695	9.7	20.7
4 21	11 26.62	− 4 8.5	1.850	2.716	13.1	21.0

210945 2001 TC_{241} 3 17.5 194.°27 1.°5/15.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 12.53	+ 5 1.3	2.760	3.574	10.2	20.8
2 21	12 7.56	+ 5 27.6	2.672	3.572	7.6	20.6
3 2	12 1.08	+ 5 59.3	2.611	3.570	4.7	20.5
3 12	11 53.59	+ 6 32.9	2.579	3.567	1.9	20.2
3 22	11 45.70	+ 7 4.2	2.577	3.564	2.6	20.3
4 1	11 38.09	+ 7 29.7	2.605	3.560	5.5	20.5
4 11	11 31.41	+ 7 46.4	2.661	3.557	8.4	20.7
4 21	11 26.14	+ 7 52.5	2.742	3.552	10.9	20.8

126980 2002 FK_{26} 3 17.5 102.°28 7.°9/ 8.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 13.82	+21 2.0	1.897	2.741	12.9	19.7
2 21	12 9.16	+22 40.5	1.849	2.751	10.3	19.6
3 2	12 2.31	+24 13.5	1.825	2.760	8.4	19.5
3 12	11 54.05	+25 31.5	1.827	2.769	8.1	19.5
3 22	11 45.35	+26 26.5	1.856	2.778	9.5	19.6
4 1	11 37.26	+26 54.2	1.910	2.787	11.9	19.8
4 11	11 30.69	+26 54.1	1.986	2.796	14.4	19.9
4 21	11 26.22	+26 28.9	2.080	2.805	16.6	20.1

97201 1999 XQ_8 3 17.5 195.°00 4.°5/23.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 12.59	−16 52.1	2.710	3.431	12.7	20.3
2 21	12 7.78	−16 55.6	2.607	3.428	10.6	20.1
3 2	12 1.32	−16 41.4	2.526	3.424	8.2	20.0
3 12	11 53.71	−16 9.5	2.471	3.420	5.8	19.8
3 22	11 45.58	−15 21.8	2.445	3.415	4.5	19.7
4 1	11 37.69	−14 22.2	2.448	3.410	5.4	19.7
4 11	11 30.75	−13 16.3	2.480	3.404	7.7	19.9
4 21	11 25.30	−12 9.7	2.538	3.397	10.2	20.0

31566 1999 FF_{10} 3 17.5 282.°17 0.°1/17.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 17.93	+ 0 58.3	1.801	2.616	14.7	18.3
2 21	12 12.58	+ 0 48.0	1.705	2.603	11.3	18.0
3 2	12 4.73	+ 0 47.3	1.633	2.590	7.2	17.8
3 12	11 55.03	+ 0 53.3	1.587	2.576	2.7	17.4
3 22	11 44.47	+ 1 2.1	1.569	2.563	2.2	17.4
4 1	11 34.23	+ 1 9.1	1.580	2.549	6.9	17.6
4 11	11 25.45	+ 1 10.0	1.617	2.536	11.3	17.9
4 21	11 18.94	+ 1 1.6	1.677	2.523	15.2	18.1

495971 2007 TK_9 3 17.5 178.°07 0.°3/17.2 14 C

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 15.30	− 1 16.8	2.109	2.913	13.3	23.0
2 21	12 10.09	− 0 35.5	2.023	2.915	10.1	22.8
3 2	12 2.88	+ 0 19.2	1.962	2.917	6.3	22.6
3 12	11 54.28	+ 1 22.6	1.929	2.918	2.2	22.3
3 22	11 45.13	+ 2 28.9	1.926	2.919	2.0	22.3
4 1	11 36.38	+ 3 31.4	1.952	2.918	6.2	22.6
4 11	11 28.88	+ 4 24.5	2.006	2.916	9.9	22.8
4 21	11 23.26	+ 5 4.2	2.084	2.914	13.2	23.0

359028 2008 VG_{68} 3 17.5 295.°16 4.°6/13.6 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 12.42	+ 7 38.7	1.399	2.253	16.0	20.5
2 21	12 9.00	+ 8 50.8	1.317	2.237	12.1	20.2
3 2	12 2.74	+10 15.1	1.257	2.222	7.8	19.9
3 12	11 54.37	+11 41.7	1.222	2.206	4.7	19.7
3 22	11 45.01	+12 59.5	1.212	2.191	6.6	19.7
4 1	11 36.07	+13 58.0	1.228	2.176	11.1	19.9
4 11	11 28.89	+14 30.7	1.266	2.161	15.6	20.1
4 21	11 24.35	+14 35.9	1.323	2.147	19.6	20.4

458157 2010 JT_{155} 3 17.5 202.°11 1.°6/19.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 14.26	− 7 0.6	1.979	2.767	14.6	22.2
2 21	12 9.54	− 6 27.6	1.884	2.763	11.4	22.0
3 2	12 2.66	− 5 35.6	1.813	2.758	7.7	21.7
3 12	11 54.25	− 4 27.7	1.768	2.752	3.6	21.5
3 22	11 45.15	− 3 9.6	1.753	2.746	2.1	21.4
4 1	11 36.39	− 1 48.6	1.766	2.738	6.0	21.6
4 11	11 28.93	− 0 32.6	1.807	2.730	10.1	21.8
4 21	11 23.44	+ 0 32.2	1.872	2.722	13.7	22.0

388824 2008 CO_{122} 3 17.5 226.°40 1.°9/19.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 13.30	− 6 13.5	2.746	3.521	11.3	21.3
2 21	12 8.23	− 6 24.6	2.646	3.515	8.9	21.1
3 2	12 1.57	− 6 24.9	2.570	3.508	6.1	21.0
3 12	11 53.80	− 6 15.6	2.522	3.502	3.2	20.7
3 22	11 45.54	− 5 58.9	2.504	3.495	2.1	20.7
4 1	11 37.49	− 5 38.1	2.517	3.488	4.6	20.8
4 11	11 30.36	− 5 16.7	2.558	3.480	7.5	21.0
4 21	11 24.65	− 4 58.3	2.625	3.473	10.3	21.2

118380 1999 JQ_5 3 17.5 327.°06 21.°1/ 3.5 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 35.10	+42 9.7	1.036	1.851	23.2	19.2
2 21	12 27.78	+43 58.8	1.001	1.846	21.8	19.1
3 2	12 15.05	+45 11.7	0.982	1.842	21.1	19.0
3 12	11 58.75	+45 28.2	0.979	1.838	21.5	19.0
3 22	11 41.71	+44 37.7	0.993	1.834	22.8	19.1
4 1	11 26.93	+42 41.8	1.023	1.831	24.8	19.2
4 11	11 16.43	+39 53.1	1.067	1.828	27.0	19.4
4 21	11 10.80	+36 28.2	1.124	1.826	29.1	19.5

10692 Opeil 3 17.5 273.°07 1.°4/18.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 15.73	− 3 33.3	1.592	2.405	16.4	18.5
2 21	12 11.29	− 3 33.6	1.495	2.389	12.9	18.2
3 2	12 4.12	− 3 17.1	1.420	2.373	8.5	17.9
3 12	11 54.88	− 2 46.4	1.369	2.356	3.7	17.6
3 22	11 44.60	− 2 6.2	1.346	2.340	2.3	17.5
4 1	11 34.60	− 1 23.3	1.349	2.323	7.3	17.7
4 11	11 26.16	− 0 45.1	1.378	2.306	12.2	17.9
4 21	11 20.20	− 0 17.6	1.428	2.289	16.5	18.2

70230 1999 RH_{56} 3 17.5 284.°02 2.°0/15.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 13.21	+ 2 37.1	1.571	2.407	15.5	19.2
2 21	12 9.43	+ 3 24.4	1.473	2.384	11.8	18.9
3 2	12 2.97	+ 4 27.1	1.398	2.361	7.4	18.6
3 12	11 54.47	+ 5 38.9	1.347	2.337	2.9	18.3
3 22	11 44.92	+ 6 51.4	1.324	2.313	3.9	18.3
4 1	11 35.61	+ 7 55.1	1.328	2.290	8.9	18.5
4 11	11 27.80	+ 8 42.2	1.355	2.266	13.7	18.7
4 21	11 22.42	+ 9 8.3	1.403	2.242	18.0	18.9

219707 2001 XV_{44} 3 17.5 127.°75 7.°6/ 9.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 16.25	+21 31.9	1.985	2.822	12.7	20.0
2 21	12 10.89	+22 50.4	1.932	2.830	10.1	19.8
3 2	12 3.36	+24 3.0	1.903	2.838	8.2	19.7
3 12	11 54.43	+25 0.9	1.902	2.845	7.7	19.7
3 22	11 45.08	+25 37.3	1.927	2.853	9.0	19.8
4 1	11 36.36	+25 48.5	1.978	2.860	11.3	20.0
4 11	11 29.16	+25 34.3	2.052	2.867	13.8	20.1
4 21	11 24.07	+24 57.4	2.145	2.873	16.0	20.3

109238 2001 QX_{96} 3 17.5 139.°51 1.°6/19.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 14.24	− 6 36.5	2.229	3.012	13.3	20.8
2 21	12 9.14	− 6 15.7	2.150	3.025	10.4	20.6
3 2	12 2.19	− 5 39.7	2.094	3.037	6.9	20.4
3 12	11 54.01	− 4 51.3	2.066	3.048	3.3	20.2
3 22	11 45.40	− 3 55.1	2.067	3.059	2.0	20.1
4 1	11 37.21	− 2 56.7	2.097	3.069	5.2	20.4
4 11	11 30.23	− 2 2.0	2.156	3.079	8.7	20.6
4 21	11 25.01	− 1 15.5	2.240	3.088	11.8	20.8

204453 2004 XD_{155} 3 17.5 33.°87 0.°9/18.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 13.52	− 3 15.5	1.407	2.232	17.5	20.2
2 21	12 9.60	− 2 58.6	1.334	2.236	13.5	20.0
3 2	12 2.95	− 2 22.6	1.282	2.239	8.8	19.7
3 12	11 54.39	− 1 31.8	1.255	2.243	3.5	19.4
3 22	11 45.08	− 0 33.4	1.253	2.247	2.3	19.3
4 1	11 36.36	+ 0 24.1	1.277	2.252	7.5	19.6
4 11	11 29.46	+ 1 12.3	1.326	2.256	12.4	19.9
4 21	11 25.12	+ 1 45.6	1.396	2.261	16.5	20.2

71357 2000 AJ_{122} 3 17.5 217.°49 4.°2/12.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 10.52	+10 56.2	2.326	3.163	11.1	19.5
2 21	12 6.41	+12 19.3	2.247	3.157	8.3	19.3
3 2	12 0.53	+13 47.2	2.194	3.151	5.6	19.1
3 12	11 53.44	+15 12.8	2.169	3.144	4.2	19.0
3 22	11 45.85	+16 28.8	2.174	3.138	5.6	19.1
4 1	11 38.58	+17 29.5	2.207	3.131	8.3	19.3
4 11	11 32.38	+18 11.0	2.266	3.123	11.2	19.4
4 21	11 27.80	+18 32.4	2.347	3.116	13.8	19.6

501166 2013 TB_{84} 3 17.5 166°.04 0°.5/18.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 13.76	− 2 26.6	2.296	3.095	12.5	22.1
2 21	12 8.77	− 2 9.2	2.211	3.098	9.6	21.9
3 2	12 1.98	− 1 40.1	2.150	3.102	6.1	21.7
3 12	11 53.95	− 1 2.4	2.117	3.105	2.4	21.5
3 22	11 45.45	− 0 20.4	2.114	3.107	1.6	21.4
4 1	11 37.31	+ 0 21.0	2.140	3.109	5.4	21.7
4 11	11 30.30	+ 0 57.0	2.194	3.111	8.9	21.9
4 21	11 24.98	+ 1 24.1	2.272	3.112	11.9	22.1

78599 2002 SM_{27} 3 17.5 181°.33 2°.6/14.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 11.37	+ 7 7.4	2.363	3.192	11.2	19.5
2 21	12 6.94	+ 7 58.2	2.285	3.192	8.3	19.3
3 2	12 0.80	+ 8 54.8	2.232	3.192	5.2	19.1
3 12	11 53.52	+ 9 51.9	2.207	3.192	2.8	18.9
3 22	11 45.81	+10 43.8	2.211	3.192	3.8	19.0
4 1	11 38.44	+11 25.5	2.245	3.191	6.9	19.2
4 11	11 32.15	+11 53.5	2.305	3.191	9.9	19.4
4 21	11 27.46	+12 6.2	2.389	3.190	12.6	19.6

361120 2006 FJ_{42} 3 17.5 225°.92 0°.1/17.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 14.26	− 2 27.6	2.014	2.819	13.8	21.8
2 21	12 9.56	− 1 44.5	1.915	2.807	10.6	21.5
3 2	12 2.70	− 0 45.5	1.840	2.795	6.7	21.3
3 12	11 54.29	+ 0 25.1	1.792	2.781	2.5	21.0
3 22	11 45.14	+ 1 41.1	1.773	2.767	2.0	20.9
4 1	11 36.27	+ 2 55.2	1.784	2.752	6.5	21.1
4 11	11 28.62	+ 4 0.3	1.822	2.736	10.6	21.4
4 21	11 22.92	+ 4 51.3	1.884	2.719	14.2	21.6

138740 2000 SB_{209} 3 17.5 117°.33 3°.8/12.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 13.40	+13 14.6	2.624	3.452	10.2	20.1
2 21	12 8.20	+13 55.4	2.560	3.464	7.7	20.0
3 2	12 1.44	+14 36.4	2.522	3.476	5.2	19.8
3 12	11 53.72	+15 12.6	2.513	3.487	3.8	19.8
3 22	11 45.68	+15 39.6	2.534	3.499	4.8	19.8
4 1	11 38.08	+15 54.0	2.583	3.510	7.1	20.0
4 11	11 31.54	+15 54.2	2.659	3.520	9.6	20.2
4 21	11 26.52	+15 40.2	2.758	3.531	11.8	20.4

506016 2015 HV_{73} 3 17.5 230°.02 1°.2/16.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 10.18	+ 2 45.4	2.562	3.378	10.8	22.0
2 21	12 5.97	+ 3 22.7	2.471	3.372	8.1	21.8
3 2	12 0.18	+ 4 8.1	2.406	3.366	5.0	21.6
3 12	11 53.30	+ 4 57.7	2.370	3.359	1.8	21.3
3 22	11 45.98	+ 5 46.7	2.363	3.352	2.4	21.4
4 1	11 38.93	+ 6 30.5	2.386	3.345	5.7	21.6
4 11	11 32.82	+ 7 4.9	2.436	3.338	8.8	21.7
4 21	11 28.16	+ 7 27.6	2.511	3.331	11.5	21.9

42966 1999 TR_{151} 3 17.5 61°.08 1°.6/19.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 11.98	− 5 19.6	1.913	2.715	14.5	19.1
2 21	12 7.79	− 5 7.0	1.832	2.718	11.3	18.9
3 2	12 1.51	− 4 38.3	1.774	2.722	7.5	18.7
3 12	11 53.82	− 3 56.6	1.742	2.727	3.5	18.4
3 22	11 45.57	− 3 6.5	1.737	2.731	2.0	18.3
4 1	11 37.74	− 2 14.4	1.761	2.735	5.9	18.6
4 11	11 31.23	− 1 26.5	1.812	2.739	9.8	18.8
4 21	11 26.67	− 0 48.0	1.886	2.744	13.2	19.0

110982 2001 UA_{189} 3 17.5 266°.01 7°.0/25.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 12.02	−22 36.6	2.471	3.161	14.5	19.8
2 21	12 7.74	−23 11.6	2.357	3.144	12.6	19.6
3 2	12 1.52	−23 26.1	2.263	3.127	10.5	19.4
3 12	11 53.86	−23 18.1	2.193	3.110	8.4	19.3
3 22	11 45.47	−22 47.5	2.149	3.092	7.1	19.1
4 1	11 37.21	−21 56.9	2.132	3.075	7.4	19.1
4 11	11 29.96	−20 51.7	2.142	3.057	9.2	19.2
4 21	11 24.38	−19 39.0	2.176	3.038	11.5	19.3

337882 2001 WS_{75} 3 17.5 80°.69 1°.3/16.0 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 11.43	+ 2 52.8	2.305	3.125	11.8	21.4
2 21	12 6.88	+ 3 31.8	2.241	3.143	8.7	21.2
3 2	12 0.69	+ 4 18.7	2.202	3.162	5.3	21.1
3 12	11 53.46	+ 5 9.0	2.191	3.181	2.0	20.9
3 22	11 45.91	+ 5 57.3	2.210	3.199	2.6	20.9
4 1	11 38.81	+ 6 38.9	2.258	3.218	5.9	21.2
4 11	11 32.86	+ 7 9.9	2.333	3.236	9.1	21.4
4 21	11 28.50	+ 7 28.3	2.432	3.254	11.8	21.6

258103 2001 QK_{177} 3 17.5 187°.47 2°.7/14.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 15.16	+ 7 34.2	2.384	3.206	11.4	21.5
2 21	12 9.78	+ 8 22.3	2.302	3.205	8.5	21.3
3 2	12 2.59	+ 9 15.9	2.245	3.204	5.4	21.1
3 12	11 54.18	+10 9.5	2.217	3.202	2.9	21.0
3 22	11 45.29	+10 57.6	2.220	3.199	3.9	21.0
4 1	11 36.76	+11 35.2	2.252	3.196	7.0	21.2
4 11	11 29.36	+11 59.0	2.311	3.192	10.1	21.4
4 21	11 23.64	+12 7.7	2.393	3.187	12.8	21.6

505308 2012 XZ_{45} 3 17.5 190°.53 0°.7/16.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 10.72	+ 1 14.4	2.836	3.643	10.1	22.7
2 21	12 6.20	+ 1 51.3	2.746	3.641	7.6	22.5
3 2	12 0.25	+ 2 36.4	2.682	3.639	4.7	22.4
3 12	11 53.33	+ 3 26.2	2.647	3.637	1.6	22.1
3 22	11 46.02	+ 4 16.5	2.643	3.634	1.9	22.1
4 1	11 38.97	+ 5 2.9	2.669	3.631	5.0	22.4
4 11	11 32.78	+ 5 41.8	2.724	3.627	7.9	22.5
4 21	11 27.92	+ 6 10.4	2.803	3.623	10.5	22.7

238707 2005 GZ_{10} 3 17.5 305°.31 3°.6/13.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 9.47	+ 8 19.5	2.081	2.921	12.1	20.0
2 21	12 5.77	+ 9 33.8	2.005	2.918	9.0	19.8
3 2	12 0.20	+10 54.8	1.954	2.915	5.8	19.6
3 12	11 53.35	+12 15.6	1.931	2.913	3.6	19.5
3 22	11 46.00	+13 28.6	1.936	2.910	5.1	19.6
4 1	11 39.01	+14 27.3	1.969	2.908	8.2	19.8
4 11	11 33.20	+15 7.5	2.028	2.906	11.4	20.0
4 21	11 29.14	+15 27.7	2.108	2.903	14.3	20.1

298834 2004 RT_{164} 3 17.5 103°.52 1°.9/15.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 18.85	+ 3 30.3	1.743	2.565	14.8	21.2
2 21	12 12.85	+ 4 15.6	1.688	2.591	11.0	21.0
3 2	12 4.57	+ 5 10.6	1.656	2.616	6.8	20.8
3 12	11 54.88	+ 6 8.5	1.652	2.641	2.6	20.6
3 22	11 44.82	+ 7 2.4	1.676	2.664	3.4	20.7
4 1	11 35.52	+ 7 45.7	1.729	2.687	7.5	21.0
4 11	11 27.92	+ 8 14.1	1.808	2.710	11.4	21.3
4 21	11 22.56	+ 8 26.1	1.910	2.731	14.6	21.5

469004 2015 AR_{203} 3 17.5 77°.57 6°.4/23.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 16.28	−17 12.8	1.929	2.665	16.7	20.9
2 21	12 11.07	−17 56.2	1.855	2.683	13.9	20.8
3 2	12 3.59	−18 17.4	1.802	2.701	10.9	20.6
3 12	11 54.59	−18 15.3	1.773	2.718	8.0	20.5
3 22	11 45.01	−17 51.2	1.770	2.736	6.5	20.4
4 1	11 35.93	−17 9.7	1.795	2.753	7.3	20.5
4 11	11 28.35	−16 17.9	1.846	2.770	9.8	20.7
4 21	11 22.90	−15 23.4	1.920	2.787	12.6	20.9

489369 2006 UM_{193} 3 17.5 158°.55 1°.6/15.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 13.84	+ 5 56.8	2.754	3.568	10.2	21.4
2 21	12 8.51	+ 6 17.9	2.674	3.574	7.6	21.2
3 2	12 1.66	+ 6 43.6	2.620	3.578	4.7	21.1
3 12	11 53.83	+ 7 10.1	2.595	3.583	2.0	20.9
3 22	11 45.64	+ 7 33.8	2.601	3.587	2.7	20.9
4 1	11 37.78	+ 7 51.2	2.637	3.591	5.5	21.1
4 11	11 30.90	+ 7 59.7	2.701	3.594	8.4	21.3
4 21	11 25.46	+ 7 58.0	2.790	3.597	10.8	21.5

142667 2002 TB_{214} 3 17.5 268°.90 0°.1/17.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 11.91	− 2 7.3	1.691	2.511	15.3	20.3
2 21	12 8.10	− 1 29.3	1.604	2.504	11.7	20.0
3 2	12 1.92	− 0 33.9	1.538	2.496	7.5	19.8
3 12	11 54.04	+ 0 34.0	1.499	2.489	2.7	19.4
3 22	11 45.42	+ 1 47.4	1.487	2.481	2.3	19.4
4 1	11 37.17	+ 2 57.8	1.503	2.473	7.1	19.7
4 11	11 30.37	+ 3 57.5	1.544	2.465	11.6	19.9
4 21	11 25.75	+ 4 41.2	1.607	2.457	15.5	20.1

248660 2006 HA_{87} 3 17.5 257°.34 5°.9/11.9 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 15.25	+12 56.1	1.722	2.567	14.0	20.8
2 21	12 10.71	+14 16.1	1.637	2.550	10.7	20.6
3 2	12 3.63	+15 41.4	1.577	2.533	7.5	20.3
3 12	11 54.69	+17 2.2	1.542	2.515	5.9	20.2
3 22	11 44.89	+18 8.9	1.535	2.497	7.6	20.3
4 1	11 35.45	+18 53.6	1.555	2.479	11.1	20.4
4 11	11 27.53	+19 12.1	1.597	2.460	14.8	20.6
4 21	11 21.94	+19 4.6	1.659	2.440	18.1	20.8

422755 2001 ST_{318} 3 17.5 79°.01 1°.4/16.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 16.67	+ 2 53.2	1.734	2.559	14.8	21.2
2 21	12 11.26	+ 3 21.3	1.676	2.581	11.0	21.0
3 2	12 3.61	+ 3 59.1	1.642	2.603	6.8	20.8
3 12	11 54.55	+ 4 41.0	1.635	2.624	2.4	20.5
3 22	11 45.11	+ 5 20.8	1.655	2.646	3.0	20.6
4 1	11 36.36	+ 5 52.7	1.704	2.667	7.2	20.9
4 11	11 29.25	+ 6 12.4	1.779	2.688	11.0	21.2
4 21	11 24.33	+ 6 17.8	1.876	2.709	14.3	21.4

87031 2000 JS_{83} 3 17.5 328°.83 1°.6/18.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 8.27	− 6 22.8	1.472	2.293	17.1	19.4
2 21	12 5.69	− 5 52.1	1.385	2.282	13.4	19.2
3 2	12 0.58	− 4 57.6	1.318	2.271	9.0	18.9
3 12	11 53.61	− 3 42.8	1.274	2.261	4.1	18.6
3 22	11 45.78	− 2 15.1	1.257	2.251	2.3	18.4
4 1	11 38.33	− 0 44.3	1.266	2.242	7.2	18.7
4 11	11 32.45	+ 0 38.7	1.299	2.234	12.1	18.9
4 21	11 28.93	+ 1 45.9	1.353	2.226	16.5	19.2

122223 2000 NM_{22} 3 17.5 223°.66 5°.9/23.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 14.44	−18 20.5	2.322	3.041	14.6	20.3
2 21	12 9.58	−18 46.7	2.216	3.032	12.4	20.1
3 2	12 2.69	−18 53.0	2.131	3.022	9.8	19.9
3 12	11 54.31	−18 38.1	2.071	3.011	7.4	19.7
3 22	11 45.21	−18 2.9	2.038	3.001	5.9	19.6
4 1	11 36.31	−17 11.0	2.033	2.989	6.7	19.6
4 11	11 28.52	−16 8.4	2.055	2.977	9.1	19.7
4 21	11 22.52	−15 2.1	2.102	2.965	11.9	19.9

246064 2006 VL_{94} 3 17.5 171°.82 2°.7/13.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 11.27	+10 20.7	3.064	3.887	9.0	21.5
2 21	12 6.48	+11 4.0	2.986	3.890	6.8	21.3
3 2	12 0.36	+11 49.6	2.936	3.893	4.4	21.2
3 12	11 53.36	+12 33.2	2.915	3.895	2.8	21.1
3 22	11 46.05	+13 10.7	2.924	3.897	3.7	21.1
4 1	11 39.02	+13 38.9	2.964	3.898	6.0	21.3
4 11	11 32.84	+13 55.4	3.031	3.899	8.4	21.4
4 21	11 27.92	+13 59.4	3.122	3.900	10.5	21.6

503888 2001 TE_{213} 3 17.5 172°.65 3°.2/22.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 10.11	−14 50.7	3.308	4.034	10.5	23.2
2 21	12 5.59	−14 38.3	3.209	4.037	8.6	23.1
3 2	11 59.81	−14 11.6	3.134	4.041	6.4	22.9
3 12	11 53.17	−13 31.5	3.086	4.043	4.3	22.8
3 22	11 46.20	−12 40.4	3.068	4.045	3.2	22.7
4 1	11 39.45	−11 41.7	3.081	4.047	4.2	22.8
4 11	11 33.46	−10 39.8	3.123	4.048	6.2	22.9
4 21	11 28.64	− 9 39.0	3.193	4.048	8.4	23.0

90900 1997 EA_{2} 3 17.5 101°.65 0°.5/17.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 11.84	− 2 58.0	1.960	2.770	13.9	19.8
2 21	12 7.61	− 2 28.7	1.882	2.775	10.6	19.6
3 2	12 1.38	− 1 44.8	1.827	2.781	6.8	19.3
3 12	11 53.79	− 0 50.4	1.799	2.787	2.6	19.1
3 22	11 45.70	+ 0 9.0	1.799	2.793	1.8	19.0
4 1	11 38.03	+ 1 6.7	1.827	2.798	6.0	19.3
4 11	11 31.66	+ 1 56.7	1.883	2.804	9.8	19.6
4 21	11 27.17	+ 2 34.7	1.961	2.809	13.2	19.8

229803 2008 SL_{57} 3 17.5 270°.11 0°.1/17.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 11.02	− 1 56.0	1.992	2.805	13.6	20.7
2 21	12 7.05	− 1 24.2	1.904	2.800	10.4	20.5
3 2	12 1.08	− 0 38.4	1.840	2.796	6.6	20.3
3 12	11 53.71	+ 0 17.5	1.802	2.791	2.4	20.0
3 22	11 45.75	+ 1 17.8	1.793	2.786	1.9	19.9
4 1	11 38.13	+ 2 15.9	1.812	2.781	6.2	20.2
4 11	11 31.73	+ 3 5.7	1.857	2.777	10.1	20.4
4 21	11 27.19	+ 3 42.9	1.926	2.772	13.5	20.6

372588 2009 UA_{112} 3 17.5 103°.84 2°.6/14.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 14.32	+ 6 24.0	1.972	2.801	13.0	21.7
2 21	12 9.37	+ 7 6.3	1.905	2.813	9.7	21.5
3 2	12 2.42	+ 7 55.2	1.863	2.824	6.0	21.3
3 12	11 54.14	+ 8 44.7	1.848	2.835	2.9	21.1
3 22	11 45.44	+ 9 28.6	1.862	2.845	3.9	21.2
4 1	11 37.26	+10 1.6	1.904	2.856	7.4	21.4
4 11	11 30.46	+10 20.0	1.972	2.866	10.9	21.6
4 21	11 25.60	+10 22.5	2.062	2.876	13.9	21.9

126337 2002 AE_{154} 3 17.5 40°.49 0°.9/18.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 12.62	− 3 5.0	1.629	2.448	15.9	19.6
2 21	12 8.53	− 2 51.8	1.559	2.457	12.2	19.3
3 2	12 2.10	− 2 22.4	1.511	2.466	7.9	19.1
3 12	11 54.08	− 1 40.9	1.487	2.475	3.2	18.8
3 22	11 45.48	− 0 53.0	1.491	2.485	2.0	18.8
4 1	11 37.45	− 0 5.7	1.522	2.495	6.6	19.1
4 11	11 30.99	+ 0 34.1	1.578	2.506	10.9	19.4
4 21	11 26.74	+ 1 2.1	1.656	2.517	14.6	19.6

415897 2001 TW_{185} 3 17.5 109°.89 1°.4/18.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 14.27	− 5 39.9	2.022	2.815	14.2	22.1
2 21	12 9.30	− 5 18.3	1.951	2.832	10.9	21.9
3 2	12 2.35	− 4 41.0	1.902	2.849	7.2	21.7
3 12	11 54.12	− 3 51.4	1.881	2.866	3.3	21.5
3 22	11 45.46	− 2 54.7	1.888	2.882	1.9	21.4
4 1	11 37.31	− 1 56.9	1.925	2.897	5.6	21.7
4 11	11 30.50	− 1 4.2	1.989	2.912	9.3	21.9
4 21	11 25.58	− 0 21.3	2.077	2.927	12.5	22.2

150966 2001 TL_{167} 3 17.5 196°.48 0°.5/17.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 16.05	− 1 47.4	2.336	3.131	12.4	20.8
2 21	12 10.55	− 1 36.4	2.242	3.128	9.5	20.6
3 2	12 3.15	− 1 14.5	2.173	3.125	6.1	20.3
3 12	11 54.44	− 0 44.6	2.133	3.120	2.4	20.1
3 22	11 45.18	− 0 10.5	2.122	3.116	1.6	20.0
4 1	11 36.22	+ 0 23.1	2.141	3.110	5.4	20.3
4 11	11 28.39	+ 0 51.7	2.189	3.104	9.0	20.5
4 21	11 22.28	+ 1 12.1	2.262	3.097	12.1	20.7

521229 2015 HD_{19} 3 17.5 300°.49 1°.7/19.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 8.54	− 7 32.0	2.151	2.943	13.4	21.2
2 21	12 5.09	− 7 0.2	2.057	2.937	10.5	21.0
3 2	11 59.80	− 6 10.7	1.987	2.931	7.1	20.8
3 12	11 53.25	− 5 6.5	1.942	2.925	3.5	20.5
3 22	11 46.14	− 3 52.5	1.926	2.919	2.0	20.4
4 1	11 39.33	− 2 35.3	1.939	2.913	5.4	20.6
4 11	11 33.62	− 1 21.8	1.979	2.908	9.0	20.8
4 21	11 29.57	− 0 17.9	2.044	2.902	12.3	21.0

61509 2000 QC_{55} 3 17.5 345°.34 2°.4/19.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 18.91	− 3 30.9	1.625	2.431	16.5	18.7
2 21	12 13.52	− 4 13.0	1.539	2.427	12.9	18.4
3 2	12 5.42	− 4 42.5	1.476	2.424	8.7	18.2
3 12	11 55.36	− 5 0.1	1.437	2.421	4.3	17.9
3 22	11 44.42	− 5 8.0	1.427	2.419	2.9	17.8
4 1	11 33.92	− 5 10.0	1.443	2.417	6.9	18.0
4 11	11 25.10	− 5 11.0	1.486	2.415	11.4	18.3
4 21	11 18.79	− 5 15.5	1.551	2.414	15.3	18.5

28265 1999 CL_{5} 3 17.5 152°.34 0°.4/17.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 18.56	+ 1 38.8	1.968	2.778	13.8	17.9
2 21	12 12.67	+ 1 39.4	1.887	2.783	10.5	17.7
3 2	12 4.57	+ 1 48.9	1.830	2.787	6.6	17.4
3 12	11 54.96	+ 2 3.9	1.801	2.790	2.3	17.2
3 22	11 44.78	+ 2 20.1	1.801	2.794	2.1	17.2
4 1	11 35.08	+ 2 33.2	1.830	2.797	6.4	17.4
4 11	11 26.81	+ 2 39.0	1.887	2.800	10.3	17.7
4 21	11 20.63	+ 2 35.4	1.967	2.803	13.7	17.9

31449 1999 CO_{9} 3 17.5 77°.69 4°.7/14.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 17.85	+ 9 58.5	1.408	2.255	16.3	17.6
2 21	12 12.79	+10 47.5	1.347	2.263	12.3	17.4
3 2	12 4.90	+11 41.6	1.309	2.271	8.0	17.1
3 12	11 55.11	+12 31.7	1.296	2.279	4.9	17.0
3 22	11 44.70	+13 9.1	1.309	2.287	6.4	17.1
4 1	11 35.08	+13 27.2	1.348	2.295	10.4	17.3
4 11	11 27.46	+13 23.1	1.409	2.303	14.5	17.6
4 21	11 22.53	+12 57.5	1.491	2.310	18.0	17.8

248477 2005 UF_{121} 3 17.5 292°.60 8°.0/28.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 8.43	−29 1.7	2.478	3.126	15.4	20.1
2 21	12 5.10	−29 5.8	2.357	3.105	13.7	19.9
3 2	11 59.89	−28 43.5	2.254	3.084	11.8	19.7
3 12	11 53.31	−27 52.2	2.172	3.062	9.8	19.6
3 22	11 46.07	−26 32.1	2.115	3.040	8.4	19.4
4 1	11 39.01	−24 46.6	2.085	3.019	8.1	19.4
4 11	11 32.99	−22 42.9	2.082	2.997	9.4	19.4
4 21	11 28.65	−20 30.1	2.106	2.976	11.5	19.5

518967 2010 HN_{47} 3 17.5 257°.87 1°.2/18.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 16.20	− 2 26.4	2.519	3.307	11.8	21.6
2 21	12 10.58	− 2 44.2	2.418	3.298	9.1	21.4
3 2	12 3.15	− 2 53.3	2.342	3.289	6.0	21.2
3 12	11 54.45	− 2 55.2	2.295	3.280	2.7	21.0
3 22	11 45.18	− 2 52.0	2.278	3.271	1.7	20.9
4 1	11 36.14	− 2 46.8	2.291	3.262	5.0	21.1
4 11	11 28.13	− 2 43.0	2.334	3.252	8.3	21.3
4 21	11 21.73	− 2 43.3	2.401	3.243	11.3	21.5

214045 2004 EV_{66} 3 17.5 267°.31 0°.9/18.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 8.78	− 5 12.5	2.363	3.159	12.3	20.3
2 21	12 5.12	− 4 36.3	2.264	3.149	9.5	20.1
3 2	11 59.77	− 3 45.1	2.189	3.138	6.2	19.9
3 12	11 53.24	− 2 42.1	2.141	3.127	2.7	19.6
3 22	11 46.17	− 1 32.1	2.122	3.116	1.6	19.5
4 1	11 39.35	− 0 20.9	2.133	3.105	5.2	19.7
4 11	11 33.51	+ 0 45.3	2.172	3.094	8.7	19.9
4 21	11 29.20	+ 1 41.7	2.235	3.083	11.8	20.1

57851 2001 XJ_{97} 3 17.5 52°.58 3°.7/13.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 12.29	+10 58.4	2.207	3.043	11.6	19.1
2 21	12 7.71	+11 41.5	2.138	3.048	8.7	19.0
3 2	12 1.33	+12 27.0	2.094	3.053	5.7	18.8
3 12	11 53.76	+13 9.1	2.078	3.058	3.7	18.7
3 22	11 45.79	+13 42.5	2.091	3.064	4.9	18.7
4 1	11 38.26	+14 2.8	2.131	3.069	7.7	18.9
4 11	11 31.94	+14 7.5	2.198	3.075	10.7	19.1
4 21	11 27.34	+13 56.3	2.286	3.081	13.3	19.3

310964 2003 UE_{120} 3 17.5 47°.57 5°.5/14.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 22.01	+13 20.9	1.328	2.175	17.1	20.4
2 21	12 15.93	+13 42.1	1.275	2.189	13.0	20.2
3 2	12 6.82	+14 2.7	1.245	2.204	8.7	20.0
3 12	11 55.78	+14 14.1	1.239	2.219	5.7	19.8
3 22	11 44.25	+14 9.5	1.259	2.234	6.9	20.0
4 1	11 33.77	+13 45.3	1.304	2.250	10.8	20.2
4 11	11 25.58	+13 1.2	1.373	2.266	14.8	20.5
4 21	11 20.33	+12 0.0	1.461	2.283	18.3	20.8

288215 2003 YV_{37} 3 17.5 93°.38 3°.7/21.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 13.13	−11 24.8	2.208	2.971	14.0	20.3
2 21	12 8.44	−11 39.2	2.124	2.980	11.3	20.1
3 2	12 1.85	−11 36.6	2.064	2.988	8.2	19.9
3 12	11 53.98	−11 17.9	2.029	2.997	5.2	19.8
3 22	11 45.61	−10 45.6	2.022	3.005	3.7	19.7
4 1	11 37.62	−10 4.3	2.044	3.014	5.5	19.8
4 11	11 30.81	− 9 19.6	2.093	3.022	8.6	20.0
4 21	11 25.77	− 8 37.1	2.167	3.030	11.5	20.2

95015 2002 AS_{3} 3 17.5 65°.34 2°.2/19.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 16.98	− 5 39.8	1.345	2.160	18.8	19.0
2 21	12 12.14	− 5 39.3	1.287	2.180	14.6	18.8
3 2	12 4.48	− 5 17.7	1.250	2.200	9.7	18.5
3 12	11 54.96	− 4 38.8	1.236	2.221	4.6	18.3
3 22	11 44.88	− 3 49.0	1.248	2.241	2.7	18.2
4 1	11 35.63	− 2 56.6	1.286	2.261	7.3	18.5
4 11	11 28.42	− 2 10.0	1.348	2.281	11.9	18.9
4 21	11 23.91	− 1 35.2	1.432	2.302	16.0	19.2

177132 2003 HA_{54} 3 17.5 313°.71 0°.8/18.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 8.56	− 4 13.6	2.286	3.088	12.4	20.4
2 21	12 4.98	− 3 42.7	2.194	3.083	9.6	20.2
3 2	11 59.70	− 2 57.7	2.126	3.078	6.2	20.0
3 12	11 53.23	− 2 1.9	2.086	3.073	2.6	19.7
3 22	11 46.27	− 1 0.2	2.074	3.068	1.6	19.6
4 1	11 39.60	+ 0 1.8	2.091	3.063	5.2	19.9
4 11	11 33.95	+ 0 58.2	2.136	3.059	8.8	20.1
4 21	11 29.87	+ 1 44.8	2.205	3.054	11.9	20.3

102492 1999 TG_{265} 3 17.5 185°.89 6°.5/26.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 10.23	−23 42.5	2.699	3.378	13.6	18.8
2 21	12 6.14	−24 4.4	2.600	3.378	11.8	18.6
3 2	12 0.39	−24 6.1	2.521	3.377	9.8	18.5
3 12	11 53.48	−23 46.4	2.466	3.377	7.9	18.4
3 22	11 46.07	−23 6.1	2.437	3.377	6.6	18.3
4 1	11 38.90	−22 8.4	2.435	3.376	6.7	18.3
4 11	11 32.70	−20 58.7	2.461	3.375	8.2	18.4
4 21	11 28.00	−19 43.3	2.512	3.374	10.2	18.5

372396 2009 QN_{44} 3 17.5 194°.08 0°.1/17.5 13 C

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 12.87	− 1 54.6	2.527	3.324	11.5	23.1
2 21	12 8.04	− 1 12.2	2.433	3.322	8.8	22.9
3 2	12 1.54	− 0 17.9	2.365	3.318	5.5	22.7
3 12	11 53.89	+ 0 44.5	2.325	3.314	2.0	22.5
3 22	11 45.76	+ 1 50.2	2.316	3.309	1.7	22.4
4 1	11 37.90	+ 2 53.6	2.337	3.303	5.3	22.7
4 11	11 31.04	+ 3 49.6	2.387	3.297	8.6	22.9
4 21	11 25.70	+ 4 34.6	2.462	3.290	11.5	23.0

424680 2008 RJ_{104} 3 17.5 250°.77 2°.9/20.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 9.74	−11 19.6	2.085	2.859	14.4	21.4
2 21	12 6.11	−10 50.8	1.987	2.851	11.6	21.2
3 2	12 0.53	−10 0.7	1.911	2.844	8.2	20.9
3 12	11 53.57	− 8 51.5	1.861	2.836	4.7	20.7
3 22	11 46.00	− 7 27.9	1.839	2.828	3.0	20.6
4 1	11 38.72	− 5 56.7	1.846	2.820	5.6	20.7
4 11	11 32.59	− 4 26.3	1.881	2.812	9.2	20.9
4 21	11 28.24	− 3 3.7	1.940	2.804	12.6	21.1

261575 2005 WK_{199} 3 17.5 277°.29 0°.4/17.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 13.12	− 2 0.0	1.844	2.658	14.5	21.0
2 21	12 8.81	− 1 43.4	1.758	2.654	11.1	20.7
3 2	12 2.30	− 1 12.6	1.695	2.650	7.1	20.5
3 12	11 54.22	− 0 31.4	1.658	2.647	2.8	20.2
3 22	11 45.49	+ 0 15.0	1.649	2.643	1.9	20.1
4 1	11 37.13	+ 1 0.3	1.668	2.639	6.4	20.4
4 11	11 30.14	+ 1 38.4	1.713	2.635	10.6	20.6
4 21	11 25.20	+ 2 5.0	1.780	2.631	14.2	20.9

430144 2013 TQ_{46} 3 17.5 42°.67 2°.1/19.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 9.60	− 8 4.8	1.773	2.572	15.6	21.0
2 21	12 6.15	− 7 33.8	1.696	2.580	12.2	20.8
3 2	12 0.59	− 6 42.0	1.642	2.588	8.3	20.6
3 12	11 53.58	− 5 33.1	1.613	2.596	4.1	20.4
3 22	11 46.04	− 4 13.2	1.611	2.604	2.3	20.3
4 1	11 38.97	− 2 50.6	1.637	2.613	6.0	20.5
4 11	11 33.28	− 1 33.4	1.690	2.622	10.0	20.8
4 21	11 29.58	− 0 28.3	1.765	2.631	13.6	21.0

503758 2016 NP_{11} 3 17.5 256°.73 1°.7/15.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 9.68	+ 3 10.2	2.334	3.157	11.5	21.7
2 21	12 5.82	+ 4 4.2	2.242	3.147	8.6	21.5
3 2	12 0.23	+ 5 8.0	2.175	3.136	5.3	21.3
3 12	11 53.45	+ 6 16.5	2.137	3.126	2.1	21.1
3 22	11 46.14	+ 7 23.9	2.128	3.115	3.0	21.1
4 1	11 39.10	+ 8 24.2	2.148	3.104	6.4	21.3
4 11	11 33.07	+ 9 12.4	2.195	3.093	9.8	21.5
4 21	11 28.60	+ 9 45.6	2.265	3.082	12.7	21.7

406420 2007 TF_{170} 3 17.5 205°.45 0°.1/17.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 17.19	− 1 20.8	2.241	3.038	12.8	22.4
2 21	12 11.55	− 0 56.6	2.144	3.031	9.8	22.2
3 2	12 3.89	− 0 20.5	2.071	3.024	6.3	22.0
3 12	11 54.80	+ 0 24.2	2.027	3.015	2.3	21.7
3 22	11 45.06	+ 1 12.6	2.012	3.006	1.8	21.6
4 1	11 35.61	+ 1 59.4	2.028	2.995	5.9	21.9
4 11	11 27.34	+ 2 39.3	2.073	2.984	9.6	22.1
4 21	11 20.89	+ 3 8.6	2.141	2.971	12.9	22.3

508015 2015 BC_{339} 3 17.5 227°.09 3°.7/13.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 11.66	+ 8 45.8	1.981	2.819	12.6	21.0
2 21	12 7.54	+ 9 51.3	1.905	2.818	9.4	20.8
3 2	12 1.40	+11 3.0	1.855	2.816	6.1	20.6
3 12	11 53.88	+12 13.8	1.832	2.814	3.8	20.4
3 22	11 45.83	+13 16.2	1.838	2.813	5.2	20.5
4 1	11 38.19	+14 4.1	1.871	2.811	8.5	20.7
4 11	11 31.83	+14 33.3	1.929	2.809	11.8	20.9
4 21	11 27.35	+14 42.7	2.008	2.807	14.8	21.1

79071 3300 $T\text{-}_{3}$ 3 17.5 92°.18 0°.2/17.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 11.78	− 1 30.8	2.130	2.940	12.9	19.7
2 21	12 7.44	− 1 7.1	2.051	2.945	9.8	19.5
3 2	12 1.25	− 0 31.4	1.996	2.951	6.2	19.3
3 12	11 53.81	+ 0 12.7	1.967	2.956	2.3	19.1
3 22	11 45.90	+ 1 0.0	1.968	2.962	1.7	19.0
4 1	11 38.39	+ 1 45.3	1.997	2.967	5.7	19.3
4 11	11 32.06	+ 2 23.3	2.054	2.972	9.3	19.5
4 21	11 27.47	+ 2 50.7	2.134	2.978	12.4	19.8

299007 2004 XA_{100} 3 17.5 118°.87 0°.5/17.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 17.01	− 0 17.0	1.769	2.584	15.0	22.0
2 21	12 11.62	+ 0 17.6	1.703	2.600	11.3	21.8
3 2	12 3.95	+ 1 5.6	1.659	2.616	7.1	21.6
3 12	11 54.79	+ 2 1.5	1.642	2.632	2.5	21.3
3 22	11 45.14	+ 2 58.8	1.654	2.647	2.4	21.4
4 1	11 36.12	+ 3 50.6	1.694	2.661	6.8	21.7
4 11	11 28.68	+ 4 31.0	1.761	2.675	10.9	21.9
4 21	11 23.42	+ 4 56.8	1.851	2.688	14.3	22.2

504176 2006 SD_{401} 3 17.5 206°.09 0°.2/17.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 10.65	− 0 21.7	2.853	3.654	10.2	22.5
2 21	12 6.20	+ 0 6.7	2.758	3.649	7.8	22.4
3 2	12 0.32	+ 0 44.0	2.689	3.644	4.9	22.2
3 12	11 53.45	+ 1 27.1	2.649	3.638	1.7	21.9
3 22	11 46.18	+ 2 12.2	2.639	3.632	1.5	21.9
4 1	11 39.14	+ 2 55.2	2.660	3.626	4.7	22.1
4 11	11 32.95	+ 3 32.1	2.709	3.619	7.7	22.3
4 21	11 28.06	+ 4 0.3	2.783	3.612	10.3	22.5

297781 2001 XH_{237} 3 17.5 192°.73 3°.8/20.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 16.18	−11 5.2	1.832	2.604	16.2	21.3
2 21	12 11.25	−11 8.0	1.740	2.603	13.1	21.0
3 2	12 3.91	−10 49.8	1.671	2.601	9.4	20.8
3 12	11 54.86	−10 11.5	1.626	2.598	5.7	20.6
3 22	11 45.03	− 9 16.7	1.608	2.595	3.9	20.5
4 1	11 35.57	− 8 11.6	1.619	2.591	6.4	20.6
4 11	11 27.57	− 7 4.5	1.657	2.587	10.3	20.8
4 21	11 21.76	− 6 2.8	1.718	2.582	14.0	21.0

389678 2011 QA_{9} 3 17.5 216°.05 1°.5/19.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 12.01	− 5 43.5	2.731	3.511	11.2	21.5
2 21	12 7.32	− 5 38.9	2.631	3.505	8.8	21.3
3 2	12 1.07	− 5 22.9	2.556	3.498	5.9	21.1
3 12	11 53.74	− 4 57.2	2.509	3.491	2.9	20.9
3 22	11 45.94	− 4 24.7	2.492	3.484	1.8	20.8
4 1	11 38.37	− 3 49.2	2.505	3.477	4.5	21.0
4 11	11 31.69	− 3 14.9	2.547	3.469	7.6	21.2
4 21	11 26.41	− 2 45.4	2.614	3.461	10.3	21.3

110074 Lamchunhei 3 17.5 169°.58 1°.0/18.7 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 13.61	− 4 50.2	2.227	3.019	13.1	21.0
2 21	12 8.78	− 4 24.2	2.141	3.023	10.1	20.8
3 2	12 2.09	− 3 43.8	2.078	3.026	6.6	20.6
3 12	11 54.13	− 2 52.1	2.043	3.029	2.9	20.4
3 22	11 45.65	− 1 54.0	2.037	3.031	1.7	20.3
4 1	11 37.54	− 0 55.1	2.061	3.033	5.4	20.5
4 11	11 30.59	− 0 1.2	2.113	3.034	9.0	20.7
4 21	11 25.38	+ 0 43.1	2.190	3.034	12.1	20.9

80170 1999 UP_{5} 3 17.5 160°.47 2°.0/19.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 16.98	− 6 35.5	1.627	2.425	16.8	20.5
2 21	12 11.98	− 6 18.2	1.547	2.431	13.1	20.2
3 2	12 4.40	− 5 40.7	1.489	2.436	8.8	20.0
3 12	11 55.03	− 4 45.9	1.456	2.440	4.2	19.7
3 22	11 44.93	− 3 39.9	1.451	2.444	2.4	19.6
4 1	11 35.35	− 2 30.8	1.473	2.447	6.8	19.9
4 11	11 27.44	− 1 27.0	1.522	2.450	11.3	20.2
4 21	11 21.94	− 0 35.2	1.593	2.451	15.2	20.4

2020	α_{2000}	δ_{2000}	Δ	r	β	V
429073 2009 ND_1			3 17.5	82°.49	4°.7/11.9	15
	h m	° ′			°	m
2 11	12 19.19	+14 20.0	2.373	3.195	11.4	22.4
2 21	12 12.43	+15 40.5	2.343	3.243	8.5	22.3
3 2	12 4.03	+16 59.1	2.341	3.290	5.9	22.2
3 12	11 54.71	+18 8.8	2.369	3.335	4.7	22.2
3 22	11 45.28	+19 3.9	2.427	3.380	5.9	22.3
4 1	11 36.57	+19 40.9	2.515	3.423	8.2	22.5
4 11	11 29.23	+19 58.8	2.629	3.465	10.5	22.8
4 21	11 23.69	+19 58.8	2.764	3.506	12.5	23.0
415904 2001 TZ_{227}			3 17.5	172°.01	5°.0/23.5	16
2 11	12 15.77	−17 58.6	2.686	3.393	13.1	22.1
2 21	12 10.22	−18 14.2	2.588	3.398	11.0	21.9
3 2	12 2.93	−18 12.0	2.513	3.402	8.6	21.7
3 12	11 54.43	−17 51.5	2.464	3.406	6.3	21.6
3 22	11 45.42	−17 14.2	2.444	3.408	5.0	21.5
4 1	11 36.68	−16 23.7	2.453	3.410	5.7	21.6
4 11	11 28.97	−15 25.2	2.491	3.410	7.9	21.7
4 21	11 22.84	−14 24.6	2.556	3.410	10.3	21.9
3225 Hoag			3 17.5	212°.07	4°.1/21.7	18
2 11	12 10.86	−18 36.7	1.194	1.974	22.7	16.1
2 21	12 8.29	−16 57.2	1.106	1.971	18.7	15.8
3 2	12 2.55	−14 24.4	1.037	1.969	13.6	15.5
3 12	11 54.47	−11 0.4	0.990	1.966	7.8	15.2
3 22	11 45.36	− 6 58.7	0.971	1.962	4.1	15.0
4 1	11 36.82	− 2 43.6	0.979	1.958	8.3	15.2
4 11	11 30.36	+ 1 17.5	1.015	1.954	14.2	15.5
4 21	11 26.89	+ 4 44.1	1.074	1.950	19.6	15.8
167622 2004 CA_{44}			3 17.5	149°.54	2°.1/20.0	18
2 11	12 14.26	− 7 31.9	2.775	3.541	11.4	20.9
2 21	12 8.90	− 7 36.6	2.687	3.550	9.0	20.7
3 2	12 2.00	− 7 29.5	2.624	3.558	6.2	20.5
3 12	11 54.07	− 7 12.0	2.589	3.566	3.4	20.4
3 22	11 45.74	− 6 46.6	2.584	3.574	2.2	20.3
4 1	11 37.72	− 6 16.8	2.610	3.581	4.4	20.4
4 11	11 30.65	− 5 46.5	2.665	3.587	7.3	20.6
4 21	11 25.02	− 5 19.4	2.746	3.593	9.9	20.8
508678 2017 UG_{13}			3 17.5	86°.95	3°.5/21.6	17
2 11	12 11.53	−11 51.3	2.363	3.123	13.3	21.1
2 21	12 7.14	−11 57.9	2.279	3.132	10.7	20.9
3 2	12 1.02	−11 48.0	2.218	3.141	7.8	20.8
3 12	11 53.74	−11 22.5	2.183	3.150	5.0	20.6
3 22	11 46.00	−10 44.3	2.176	3.160	3.5	20.5
4 1	11 38.62	− 9 57.7	2.198	3.169	5.2	20.6
4 11	11 32.32	− 9 8.3	2.248	3.178	8.0	20.8
4 21	11 27.63	− 8 21.3	2.323	3.186	10.8	21.0
134379 1995 UZ_{40}			3 17.5	100°.09	0°.7/18.4	18
2 11	12 11.96	− 3 18.1	2.586	3.378	11.4	20.5
2 21	12 7.18	− 2 56.8	2.515	3.398	8.7	20.4
3 2	12 0.90	− 2 24.6	2.469	3.418	5.6	20.2
3 12	11 53.66	− 1 44.8	2.451	3.438	2.3	20.0
3 22	11 46.11	− 1 1.1	2.463	3.457	1.4	19.9
4 1	11 38.96	− 0 18.0	2.505	3.476	4.6	20.2
4 11	11 32.82	+ 0 20.3	2.576	3.494	7.7	20.4
4 21	11 28.15	+ 0 50.7	2.672	3.512	10.3	20.6
354681 2005 OP_{17}			3 17.6	175°.31	7°.1/27.9	18
2 11	12 14.87	−29 8.7	3.355	3.966	12.2	22.0
2 21	12 9.43	−29 56.4	3.253	3.968	10.9	21.8
3 2	12 2.40	−30 26.4	3.171	3.970	9.5	21.7
3 12	11 54.26	−30 37.0	3.113	3.972	8.1	21.6
3 22	11 45.59	−30 27.6	3.080	3.973	7.3	21.6
4 1	11 37.08	−29 59.7	3.075	3.973	7.2	21.6
4 11	11 29.42	−29 16.9	3.096	3.973	7.9	21.6
4 21	11 23.12	−28 24.0	3.144	3.973	9.2	21.7
208000 1998 HQ_{136}			3 17.6	356°.56	3°.0/15.6	18
2 11	12 15.18	+ 6 10.0	1.277	2.129	17.4	19.5
2 21	12 11.19	+ 6 33.0	1.208	2.126	13.1	19.2
3 2	12 4.17	+ 7 5.4	1.159	2.124	8.2	18.9
3 12	11 55.01	+ 7 40.0	1.134	2.123	3.6	18.7
3 22	11 45.00	+ 8 8.5	1.135	2.123	4.8	18.7
4 1	11 35.66	+ 8 23.6	1.159	2.123	9.7	19.0
4 11	11 28.34	+ 8 20.7	1.207	2.124	14.5	19.3
4 21	11 23.86	+ 7 58.6	1.274	2.125	18.7	19.5
433111 2012 TM_{125}			3 17.6	115°.86	1°.8/14.9	18
2 11	12 9.75	+ 3 31.1	2.617	3.435	10.5	21.3
2 21	12 5.54	+ 4 44.5	2.548	3.451	7.8	21.2
3 2	11 59.89	+ 6 5.7	2.507	3.467	4.8	21.0
3 12	11 53.30	+ 7 29.4	2.495	3.483	2.1	20.8
3 22	11 46.40	+ 8 49.6	2.514	3.498	3.0	20.9
4 1	11 39.86	+10 0.8	2.563	3.513	5.9	21.1
4 11	11 34.28	+10 59.1	2.640	3.528	8.7	21.3
4 21	11 30.10	+11 42.1	2.741	3.542	11.2	21.5

2020	α_{2000}	δ_{2000}	Δ	r	β	V
5428 1987 RA_1			3 17.6	251°.66	0°.5/18.1	18
	h m	° ′			°	m
2 11	12 11.34	− 2 36.7	2.143	2.949	13.0	17.5
2 21	12 7.19	− 2 13.7	2.054	2.946	10.0	17.3
3 2	12 1.16	− 1 37.6	1.989	2.943	6.4	17.0
3 12	11 53.83	− 0 51.8	1.951	2.939	2.5	16.8
3 22	11 45.95	− 0 1.1	1.942	2.936	1.7	16.7
4 1	11 38.39	+ 0 48.8	1.962	2.932	5.6	17.0
4 11	11 31.98	+ 1 32.5	2.008	2.929	9.4	17.2
4 21	11 27.30	+ 2 5.9	2.079	2.926	12.6	17.4
425151 2009 SS_{328}			3 17.6	112°.43	2°.8/20.3	18
2 11	12 16.59	− 8 29.4	2.162	2.934	14.0	22.0
2 21	12 11.00	− 8 38.3	2.086	2.951	11.1	21.8
3 2	12 3.46	− 8 31.8	2.034	2.968	7.7	21.7
3 12	11 54.63	− 8 11.3	2.009	2.985	4.3	21.5
3 22	11 45.35	− 7 40.1	2.012	3.001	2.9	21.4
4 1	11 36.54	− 7 2.7	2.045	3.016	5.4	21.6
4 11	11 29.04	− 6 24.8	2.106	3.031	8.7	21.8
4 21	11 23.40	− 5 51.0	2.191	3.046	11.7	22.0
132065 2002 CX_{146}			3 17.6	351°.16	3°.5/20.0	18
2 11	12 15.55	− 7 23.2	1.420	2.227	18.4	19.5
2 21	12 11.34	− 7 47.5	1.340	2.226	14.6	19.3
3 2	12 4.25	− 7 51.6	1.280	2.224	10.2	19.0
3 12	11 55.06	− 7 36.3	1.243	2.223	5.6	18.8
3 22	11 44.95	− 7 5.2	1.231	2.222	3.7	18.6
4 1	11 35.33	− 6 25.0	1.246	2.221	7.4	18.8
4 11	11 27.53	− 5 43.9	1.285	2.221	12.1	19.1
4 21	11 22.41	− 5 9.4	1.345	2.221	16.3	19.4
463118 2011 UD_{263}			3 17.6	57°.80	2°.5/15.7	18
2 11	12 15.83	+ 4 11.2	1.351	2.195	17.1	21.7
2 21	12 11.26	+ 4 52.2	1.297	2.211	12.8	21.4
3 2	12 3.95	+ 5 44.6	1.264	2.228	7.9	21.2
3 12	11 54.84	+ 6 40.5	1.256	2.245	3.2	21.0
3 22	11 45.22	+ 7 31.1	1.274	2.263	4.2	21.1
4 1	11 36.43	+ 8 8.6	1.318	2.280	8.9	21.4
4 11	11 29.63	+ 8 28.2	1.386	2.298	13.3	21.7
4 21	11 25.44	+ 8 28.4	1.473	2.316	17.1	22.0
133956 2004 TZ_{131}			3 17.6	153°.46	0°.3/17.8	18
2 11	12 14.98	− 3 22.9	1.852	2.657	14.8	21.1
2 21	12 10.13	− 2 37.4	1.774	2.666	11.3	20.9
3 2	12 3.08	− 1 35.1	1.719	2.673	7.2	20.6
3 12	11 54.54	− 0 21.0	1.692	2.680	2.7	20.4
3 22	11 45.43	+ 0 58.1	1.693	2.686	2.0	20.3
4 1	11 36.81	+ 2 14.2	1.723	2.692	6.5	20.6
4 11	11 29.62	+ 3 20.0	1.780	2.697	10.6	20.9
4 21	11 24.50	+ 4 10.9	1.860	2.701	14.1	21.1
217480 2005 YM_{49}			3 17.6	184°.63	7°.2/ 8.6	18
2 11	12 12.04	+18 53.5	2.029	2.874	12.1	20.0
2 21	12 7.87	+20 41.4	1.969	2.874	9.6	19.8
3 2	12 1.64	+22 27.5	1.934	2.874	7.6	19.7
3 12	11 54.01	+24 2.1	1.926	2.873	7.3	19.6
3 22	11 45.86	+25 17.0	1.946	2.873	8.9	19.7
4 1	11 38.15	+26 6.3	1.991	2.872	11.3	19.9
4 11	11 31.76	+26 28.4	2.059	2.871	13.9	20.1
4 21	11 27.31	+26 24.6	2.146	2.870	16.1	20.2
345602 2006 SC_{132}			3 17.6	116°.34	2°.9/21.2	17
2 11	12 12.31	−10 49.2	2.697	3.453	11.9	21.1
2 21	12 7.48	−10 52.8	2.614	3.466	9.6	20.9
3 2	12 1.14	−10 42.3	2.556	3.480	6.9	20.8
3 12	11 53.78	−10 19.0	2.524	3.493	4.2	20.6
3 22	11 46.06	− 9 45.3	2.521	3.506	2.9	20.5
4 1	11 38.66	− 9 5.1	2.549	3.519	4.6	20.7
4 11	11 32.23	− 8 23.0	2.605	3.531	7.2	20.8
4 21	11 27.25	− 7 43.2	2.687	3.543	9.8	21.0
393622 2004 ES_{26}			3 17.6	151°.01	0°.1/17.5	18
2 11	12 15.89	− 2 52.8	1.641	2.454	16.0	22.0
2 21	12 11.07	− 2 0.4	1.566	2.462	12.2	21.8
3 2	12 3.80	− 0 49.3	1.514	2.470	7.7	21.5
3 12	11 54.83	+ 0 34.6	1.488	2.478	2.8	21.2
3 22	11 45.23	+ 2 2.8	1.491	2.484	2.3	21.2
4 1	11 36.19	+ 3 26.1	1.521	2.490	7.2	21.5
4 11	11 28.78	+ 4 36.2	1.578	2.495	11.7	21.8
4 21	11 23.69	+ 5 28.2	1.657	2.499	15.5	22.0
246928 1999 CV_2			3 17.6	346°.13	3°.5/20.6	17
2 11	12 13.83	− 8 57.0	2.032	2.812	14.5	20.2
2 21	12 9.24	− 9 22.8	1.942	2.809	11.7	20.0
3 2	12 2.56	− 9 33.0	1.874	2.807	8.3	19.8
3 12	11 54.39	− 9 28.1	1.832	2.805	5.0	19.6
3 22	11 45.56	− 9 10.4	1.817	2.804	3.5	19.5
4 1	11 37.06	− 8 43.9	1.830	2.802	5.9	19.6
4 11	11 29.80	− 8 14.1	1.871	2.801	9.3	19.8
4 21	11 24.47	− 7 46.4	1.935	2.800	12.6	20.0

303282 2004 RH_{251} 3 17.6 225°.11 0°.9/18.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 16.47	− 3 40.4	1.829	2.631	15.1	22.1
2 21	12 11.52	− 3 21.3	1.733	2.621	11.7	21.9
3 2	12 4.15	− 2 45.8	1.659	2.610	7.7	21.6
3 12	11 55.01	− 1 57.2	1.612	2.599	3.2	21.3
3 22	11 45.04	− 1 0.8	1.593	2.587	2.0	21.2
4 1	11 35.37	− 0 3.4	1.603	2.574	6.6	21.5
4 11	11 27.10	+ 0 47.7	1.639	2.561	11.0	21.7
4 21	11 21.01	+ 1 27.2	1.699	2.547	14.9	21.9

39562 1992 QK 3 17.6 196°.97 3°.4/20.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 15.71	−10 12.4	1.957	2.730	15.3	18.6
2 21	12 10.76	−10 13.0	1.864	2.727	12.3	18.4
3 2	12 3.57	− 9 54.5	1.792	2.724	8.7	18.1
3 12	11 54.77	− 9 18.0	1.747	2.721	5.1	17.9
3 22	11 45.25	− 8 26.9	1.729	2.717	3.4	17.8
4 1	11 36.07	− 7 27.1	1.740	2.712	6.1	17.9
4 11	11 28.23	− 6 26.0	1.778	2.707	9.8	18.2
4 21	11 22.43	− 5 30.1	1.840	2.701	13.4	18.4

496076 2009 SX_{13} 3 17.6 208°.14 3°.9/22.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 12.78	−15 8.9	2.563	3.297	13.0	23.0
2 21	12 8.10	−14 55.0	2.456	3.290	10.7	22.8
3 2	12 1.69	−14 22.3	2.372	3.282	8.1	22.6
3 12	11 54.04	−13 31.2	2.314	3.273	5.4	22.4
3 22	11 45.84	−12 24.6	2.284	3.264	3.9	22.3
4 1	11 37.87	−11 7.4	2.285	3.253	5.2	22.4
4 11	11 30.87	− 9 46.1	2.315	3.242	8.0	22.5
4 21	11 25.43	− 8 26.9	2.372	3.230	10.8	22.7

205479 2001 QB_{203} 3 17.6 175°.01 0°.1/17.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 13.34	+ 0 4.9	2.493	3.296	11.5	20.7
2 21	12 8.40	+ 0 19.4	2.406	3.298	8.7	20.5
3 2	12 1.79	+ 0 42.8	2.344	3.299	5.5	20.3
3 12	11 54.05	+ 1 12.0	2.311	3.300	2.0	20.0
3 22	11 45.86	+ 1 43.2	2.307	3.301	1.7	20.0
4 1	11 38.00	+ 2 12.3	2.334	3.301	5.2	20.3
4 11	11 31.16	+ 2 35.5	2.388	3.301	8.4	20.5
4 21	11 25.87	+ 2 50.0	2.467	3.301	11.3	20.7

283399 2000 SZ_{6} 3 17.6 189°.66 5°.1/23.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 13.14	−16 53.4	2.285	3.017	14.5	21.3
2 21	12 8.57	−17 2.8	2.189	3.016	12.1	21.1
3 2	12 2.06	−16 51.7	2.113	3.015	9.4	20.9
3 12	11 54.19	−16 19.9	2.062	3.013	6.7	20.8
3 22	11 45.72	−15 29.6	2.039	3.011	5.1	20.7
4 1	11 37.54	−14 25.2	2.045	3.008	6.1	20.7
4 11	11 30.49	−13 13.5	2.078	3.005	8.7	20.9
4 21	11 25.20	−12 1.5	2.136	3.002	11.6	21.0

72118 2000 YK_{63} 3 17.6 96°.09 0°.5/17.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 15.91	− 2 29.1	1.617	2.432	16.1	19.5
2 21	12 11.04	− 2 6.3	1.549	2.446	12.3	19.3
3 2	12 3.73	− 1 27.3	1.504	2.459	7.9	19.1
3 12	11 54.79	− 0 36.8	1.485	2.473	3.0	18.8
3 22	11 45.30	+ 0 18.6	1.492	2.486	2.1	18.8
4 1	11 36.45	+ 1 11.4	1.528	2.500	6.9	19.1
4 11	11 29.27	+ 1 55.0	1.589	2.512	11.2	19.4
4 21	11 24.41	+ 2 24.9	1.673	2.525	14.9	19.7

500332 2012 SE_{24} 3 17.6 117°.04 0°.7/16.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 14.51	+ 2 25.3	2.454	3.263	11.5	21.9
2 21	12 9.20	+ 2 40.0	2.378	3.274	8.6	21.7
3 2	12 2.24	+ 3 1.9	2.329	3.286	5.3	21.6
3 12	11 54.19	+ 3 27.5	2.307	3.297	1.9	21.3
3 22	11 45.78	+ 3 52.8	2.316	3.308	2.0	21.4
4 1	11 37.77	+ 4 14.2	2.355	3.319	5.4	21.6
4 11	11 30.86	+ 4 28.1	2.422	3.329	8.6	21.8
4 21	11 25.55	+ 4 32.8	2.513	3.339	11.3	22.0

365874 2011 UH_{299} 3 17.6 69°.27 3°.5/20.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 13.60	−11 6.5	1.449	2.243	18.7	20.8
2 21	12 9.51	−10 44.4	1.387	2.264	14.8	20.6
3 2	12 2.84	− 9 55.7	1.346	2.285	10.4	20.4
3 12	11 54.48	− 8 43.7	1.328	2.306	5.8	20.2
3 22	11 45.58	− 7 15.7	1.336	2.327	3.6	20.1
4 1	11 37.42	− 5 41.9	1.371	2.348	6.8	20.3
4 11	11 31.07	− 4 13.1	1.432	2.369	11.1	20.6
4 21	11 27.18	− 2 57.4	1.515	2.389	15.0	20.9

353298 2010 HC_{46} 3 17.6 306°.32 4°.2/21.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 10.49	−12 42.5	2.192	2.955	14.1	20.6
2 21	12 6.70	−12 56.7	2.089	2.942	11.6	20.4
3 2	12 0.97	−12 52.9	2.007	2.929	8.7	20.1
3 12	11 53.83	−12 31.4	1.951	2.916	5.7	19.9
3 22	11 46.02	−11 54.1	1.922	2.903	4.2	19.8
4 1	11 38.42	−11 5.4	1.921	2.891	5.8	19.9
4 11	11 31.90	−10 11.5	1.946	2.878	8.9	20.0
4 21	11 27.11	− 9 18.5	1.996	2.866	12.1	20.2

2730 Barks 3 17.6 272°.38 0°.5/17.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 14.30	+ 1 4.9	1.974	2.791	13.5	16.3
2 21	12 9.69	+ 1 20.2	1.879	2.778	10.3	16.0
3 2	12 2.90	+ 1 46.4	1.807	2.765	6.5	15.8
3 12	11 54.54	+ 2 19.4	1.762	2.751	2.3	15.5
3 22	11 45.46	+ 2 54.5	1.745	2.738	2.2	15.5
4 1	11 36.67	+ 3 26.0	1.757	2.724	6.6	15.7
4 11	11 29.14	+ 3 49.0	1.796	2.711	10.6	15.9
4 21	11 23.57	+ 4 0.1	1.857	2.697	14.2	16.1

118875 2000 TD_{29} 3 17.6 149°.18 7°.1/25.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 13.72	−21 45.3	2.173	2.876	15.9	19.8
2 21	12 9.15	−22 16.7	2.082	2.881	13.7	19.7
3 2	12 2.50	−22 24.8	2.012	2.885	11.2	19.5
3 12	11 54.37	−22 8.2	1.964	2.889	8.7	19.4
3 22	11 45.61	−21 27.6	1.942	2.893	7.2	19.3
4 1	11 37.18	−20 27.0	1.948	2.896	7.6	19.3
4 11	11 30.01	−19 13.6	1.979	2.900	9.5	19.4
4 21	11 24.75	−17 55.2	2.036	2.903	12.0	19.6

19263 Lavater 3 17.6 214°.62 1°.2/18.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 13.32	− 5 5.4	2.438	3.224	12.2	19.7
2 21	12 8.53	− 4 46.3	2.338	3.216	9.5	19.5
3 2	12 1.97	− 4 13.9	2.262	3.207	6.3	19.3
3 12	11 54.16	− 3 30.7	2.213	3.198	2.9	19.0
3 22	11 45.79	− 2 40.5	2.195	3.188	1.7	18.9
4 1	11 37.66	− 1 48.2	2.206	3.178	5.1	19.2
4 11	11 30.54	− 0 59.2	2.246	3.167	8.5	19.3
4 21	11 25.01	− 0 17.9	2.312	3.155	11.6	19.5

37713 1996 RY_{22} 3 17.6 259°.69 0°.1/17.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 13.91	− 2 4.1	1.655	2.473	15.7	20.3
2 21	12 9.81	− 1 32.9	1.561	2.460	12.1	20.0
3 2	12 3.20	− 0 44.2	1.489	2.446	7.7	19.8
3 12	11 54.70	+ 0 17.6	1.443	2.432	2.9	19.4
3 22	11 45.32	+ 1 25.8	1.425	2.418	2.3	19.3
4 1	11 36.24	+ 2 32.0	1.433	2.404	7.3	19.6
4 11	11 28.64	+ 3 28.2	1.467	2.389	12.1	19.9
4 21	11 23.35	+ 4 8.9	1.523	2.374	16.2	20.1

376741 1999 TY_{112} 3 17.6 213°.67 3°.0/21.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 11.81	−11 22.6	2.416	3.176	13.0	21.1
2 21	12 7.44	−11 9.1	2.314	3.170	10.5	20.9
3 2	12 1.30	−10 38.1	2.236	3.163	7.6	20.7
3 12	11 53.92	− 9 51.0	2.184	3.155	4.5	20.5
3 22	11 45.98	− 8 51.2	2.161	3.147	3.0	20.4
4 1	11 38.28	− 7 43.8	2.167	3.139	5.1	20.5
4 11	11 31.60	− 6 34.9	2.202	3.130	8.2	20.7
4 21	11 26.51	− 5 30.5	2.262	3.121	11.3	20.8

77996 2002 JW_{41} 3 17.6 277°.49 1°.2/18.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 13.03	− 4 41.2	1.616	2.429	16.2	20.2
2 21	12 9.27	− 4 20.5	1.518	2.412	12.7	20.0
3 2	12 2.93	− 3 39.9	1.442	2.394	8.4	19.7
3 12	11 54.63	− 2 42.6	1.390	2.377	3.7	19.3
3 22	11 45.37	− 1 34.5	1.365	2.359	2.2	19.2
4 1	11 36.35	− 0 23.9	1.367	2.341	7.1	19.5
4 11	11 28.81	+ 0 40.3	1.395	2.323	12.0	19.7
4 21	11 23.62	+ 1 31.2	1.444	2.305	16.3	19.9

494007 2016 AW_{113} 3 17.6 210°.27 4°.4/13.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 15.78	+ 9 46.7	1.819	2.656	13.7	21.4
2 21	12 10.91	+10 56.1	1.740	2.651	10.3	21.2
3 2	12 3.69	+12 11.9	1.686	2.645	6.8	21.0
3 12	11 54.83	+13 25.9	1.659	2.639	4.5	20.8
3 22	11 45.28	+14 29.7	1.660	2.632	6.0	20.9
4 1	11 36.17	+15 16.2	1.689	2.625	9.5	21.1
4 11	11 28.53	+15 41.2	1.742	2.617	13.1	21.3
4 21	11 23.07	+15 44.0	1.816	2.609	16.3	21.5

500559 2012 UT_{52} 3 17.6 160°.93 0°.1/17.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 10.95	− 1 0.2	2.836	3.634	10.4	23.1
2 21	12 6.41	− 0 28.9	2.751	3.640	7.8	23.0
3 2	12 0.46	+ 0 11.5	2.691	3.645	4.9	22.8
3 12	11 53.57	+ 0 58.0	2.661	3.650	1.8	22.6
3 22	11 46.32	+ 1 46.4	2.661	3.654	1.5	22.5
4 1	11 39.36	+ 2 32.8	2.692	3.658	4.6	22.8
4 11	11 33.28	+ 3 13.0	2.751	3.662	7.6	23.0
4 21	11 28.51	+ 3 44.3	2.836	3.665	10.1	23.1

160827 2000 XA_{8} 3 17.6 127°.65 0°.8/18.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 18.06	− 3 18.1	1.912	2.709	14.7	20.1
2 21	12 12.32	− 3 1.4	1.840	2.726	11.2	19.9
3 2	12 4.39	− 2 30.4	1.791	2.742	7.3	19.7
3 12	11 55.03	− 1 48.8	1.770	2.757	3.0	19.4
3 22	11 45.18	− 1 1.7	1.777	2.771	1.8	19.4
4 1	11 35.90	− 0 15.3	1.814	2.785	6.0	19.7
4 11	11 28.10	+ 0 24.8	1.878	2.798	10.0	19.9
4 21	11 22.40	+ 0 54.4	1.966	2.810	13.3	20.2

347326 2011 SZ_{178} 3 17.6 295°.08 3°.5/22.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 7.73	−14 11.3	2.350	3.105	13.5	20.2
2 21	12 4.44	−13 45.6	2.248	3.097	11.0	20.0
3 2	11 59.45	−12 59.1	2.168	3.089	8.2	19.8
3 12	11 53.26	−11 53.5	2.114	3.080	5.2	19.6
3 22	11 46.55	−10 32.3	2.088	3.072	3.5	19.5
4 1	11 40.09	− 9 1.6	2.091	3.064	5.2	19.6
4 11	11 34.62	− 7 28.6	2.122	3.056	8.2	19.7
4 21	11 30.71	− 6 0.5	2.179	3.048	11.2	19.9

185877 2000 OB_{8} 3 17.6 181°.79 2°.5/20.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 11.99	−11 15.0	2.626	3.382	12.2	20.5
2 21	12 7.38	−10 44.9	2.529	3.383	9.8	20.3
3 2	12 1.17	− 9 57.9	2.455	3.383	6.9	20.1
3 12	11 53.87	− 8 56.0	2.410	3.383	4.0	19.9
3 22	11 46.11	− 7 43.2	2.394	3.382	2.5	19.8
4 1	11 38.63	− 6 24.6	2.408	3.380	4.6	20.0
4 11	11 32.12	− 5 6.5	2.452	3.378	7.6	20.1
4 21	11 27.07	− 3 54.3	2.523	3.375	10.5	20.3

503842 2017 KU_{35} 3 17.6 222°.49 1°.8/15.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 15.63	+ 2 59.7	1.978	2.798	13.4	22.1
2 21	12 10.69	+ 3 47.4	1.886	2.788	10.1	21.9
3 2	12 3.54	+ 4 46.6	1.817	2.777	6.3	21.6
3 12	11 54.80	+ 5 51.6	1.776	2.765	2.5	21.3
3 22	11 45.35	+ 6 55.5	1.764	2.753	3.3	21.4
4 1	11 36.20	+ 7 51.5	1.781	2.739	7.4	21.6
4 11	11 28.35	+ 8 33.9	1.825	2.725	11.3	21.8
4 21	11 22.49	+ 8 59.5	1.891	2.711	14.8	22.0

313603 2003 QT_{3} 3 17.6 181°.37 0°.3/17.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 14.48	− 3 26.2	2.100	2.899	13.5	22.1
2 21	12 9.60	− 2 41.4	2.012	2.900	10.3	21.9
3 2	12 2.73	− 1 41.2	1.949	2.901	6.6	21.7
3 12	11 54.47	− 0 29.8	1.913	2.901	2.5	21.4
3 22	11 45.65	+ 0 46.6	1.906	2.900	1.8	21.3
4 1	11 37.20	+ 2 1.1	1.930	2.899	5.9	21.6
4 11	11 29.97	+ 3 7.1	1.981	2.896	9.8	21.8
4 21	11 24.60	+ 3 59.9	2.057	2.893	13.1	22.0

63866 2001 RB_{111} 3 17.6 117°.49 1°.5/15.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 10.92	+ 3 27.7	2.409	3.229	11.3	19.8
2 21	12 6.60	+ 4 14.8	2.336	3.239	8.4	19.6
3 2	12 0.66	+ 5 9.8	2.289	3.249	5.2	19.4
3 12	11 53.67	+ 6 7.9	2.269	3.258	2.0	19.2
3 22	11 46.32	+ 7 3.7	2.280	3.267	2.8	19.3
4 1	11 39.33	+ 7 52.3	2.319	3.276	6.0	19.5
4 11	11 33.39	+ 8 29.6	2.386	3.285	9.1	19.7
4 21	11 28.98	+ 8 53.5	2.477	3.294	11.8	19.9

341673 2007 VJ_{87} 3 17.6 109°.12 7°.6/ 9.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 19.50	+26 26.0	2.401	3.219	11.4	20.3
2 21	12 13.02	+27 16.3	2.351	3.230	9.4	20.2
3 2	12 4.63	+27 57.0	2.326	3.241	8.0	20.1
3 12	11 55.08	+28 21.7	2.328	3.252	7.6	20.1
3 22	11 45.25	+28 25.7	2.358	3.263	8.6	20.2
4 1	11 36.06	+28 7.3	2.414	3.273	10.4	20.4
4 11	11 28.31	+27 27.3	2.494	3.283	12.4	20.5
4 21	11 22.48	+26 28.8	2.594	3.293	14.2	20.7

518848 2010 DA_{15} 3 17.6 119°.53 6°.3/ 8.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 11.95	+20 55.5	2.505	3.339	10.4	21.2
2 21	12 7.37	+22 18.6	2.453	3.350	8.3	21.1
3 2	12 1.14	+23 37.2	2.427	3.361	6.7	21.0
3 12	11 53.84	+24 44.4	2.430	3.371	6.4	21.0
3 22	11 46.20	+25 34.7	2.460	3.381	7.6	21.0
4 1	11 38.99	+26 4.5	2.517	3.391	9.5	21.2
4 11	11 32.90	+26 12.7	2.598	3.400	11.6	21.3
4 21	11 28.40	+26 0.7	2.699	3.409	13.5	21.5

128881 2004 SN_{55} 3 17.6 227°.75 1°.1/16.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 16.01	+ 0 50.0	1.918	2.733	14.0	20.9
2 21	12 11.09	+ 1 34.9	1.822	2.720	10.6	20.6
3 2	12 3.86	+ 2 33.6	1.749	2.707	6.7	20.4
3 12	11 54.96	+ 3 40.9	1.703	2.693	2.4	20.1
3 22	11 45.26	+ 4 49.9	1.687	2.678	2.8	20.1
4 1	11 35.84	+ 5 53.3	1.699	2.662	7.2	20.3
4 11	11 27.73	+ 6 44.5	1.738	2.645	11.4	20.5
4 21	11 21.69	+ 7 19.4	1.800	2.627	15.1	20.7

229929 1997 GL_{5} 3 17.6 122°.42 0°.4/17.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 14.42	+ 0 47.4	2.037	2.851	13.3	21.2
2 21	12 9.55	+ 1 5.8	1.959	2.856	10.1	21.0
3 2	12 2.67	+ 1 34.5	1.904	2.861	6.3	20.8
3 12	11 54.45	+ 2 9.6	1.877	2.866	2.2	20.5
3 22	11 45.72	+ 2 46.1	1.878	2.871	2.1	20.5
4 1	11 37.41	+ 3 18.8	1.909	2.876	6.2	20.8
4 11	11 30.40	+ 3 43.0	1.966	2.880	9.9	21.0
4 21	11 25.27	+ 3 56.1	2.047	2.885	13.1	21.2

213098 1999 VJ_{120} 3 17.6 168°.76 1°.5/16.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 16.17	+ 3 0.6	2.081	2.897	13.0	21.3
2 21	12 10.83	+ 3 42.6	2.001	2.902	9.7	21.1
3 2	12 3.48	+ 4 34.3	1.947	2.906	6.0	20.8
3 12	11 54.74	+ 5 30.4	1.920	2.909	2.3	20.6
3 22	11 45.49	+ 6 24.7	1.923	2.912	3.0	20.6
4 1	11 36.66	+ 7 11.4	1.955	2.914	6.8	20.9
4 11	11 29.13	+ 7 45.8	2.015	2.915	10.4	21.1
4 21	11 23.51	+ 8 5.5	2.097	2.916	13.5	21.3

323782 2005 QR_{79} 3 17.6 167°.88 1°.0/17.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 33.27	+ 1 25.5	1.278	2.089	19.8	20.0
2 21	12 25.19	+ 0 35.0	1.200	2.093	15.4	19.7
3 2	12 13.26	− 0 6.7	1.143	2.096	10.0	19.4
3 12	11 58.48	− 0 41.2	1.111	2.099	3.9	19.1
3 22	11 42.50	− 1 10.8	1.107	2.101	2.8	19.0
4 1	11 27.35	− 1 38.6	1.132	2.102	8.9	19.4
4 11	11 14.80	− 2 8.5	1.182	2.103	14.4	19.7
4 21	11 5.89	− 2 43.2	1.253	2.102	19.0	20.0

215929 2005 JP_{153} 3 17.6 17°.45 5°.1/13.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 13.25	+ 9 47.0	1.451	2.305	15.6	20.0
2 21	12 9.41	+10 58.9	1.387	2.306	11.7	19.7
3 2	12 2.91	+12 17.8	1.345	2.308	7.7	19.5
3 12	11 54.60	+13 33.6	1.328	2.310	5.1	19.4
3 22	11 45.61	+14 36.4	1.338	2.312	6.8	19.5
4 1	11 37.25	+15 18.1	1.372	2.314	10.7	19.7
4 11	11 30.66	+15 34.6	1.430	2.317	14.7	19.9
4 21	11 26.56	+15 26.1	1.506	2.320	18.1	20.2

421873 2014 QE_{152} 3 17.6 265°.33 3°.2/20.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 13.54	− 9 4.0	1.545	2.343	17.5	21.0
2 21	12 9.76	− 8 58.3	1.453	2.333	14.1	20.8
3 2	12 3.29	− 8 29.3	1.380	2.322	9.9	20.5
3 12	11 54.82	− 7 38.2	1.332	2.312	5.4	20.2
3 22	11 45.38	− 6 30.0	1.310	2.301	3.4	20.0
4 1	11 36.27	− 5 12.8	1.314	2.290	7.1	20.2
4 11	11 28.76	− 3 56.7	1.343	2.279	11.8	20.4
4 21	11 23.70	− 2 50.3	1.395	2.268	16.1	20.7

384136 2008 YR_{97} 3 17.6 12°.48 6°.3/10.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 9.98	+15 56.5	1.919	2.770	12.5	20.4
2 21	12 6.39	+17 27.0	1.858	2.771	9.6	20.2
3 2	12 0.76	+18 57.7	1.822	2.773	7.2	20.0
3 12	11 53.77	+20 19.5	1.813	2.775	6.4	20.0
3 22	11 46.29	+21 24.4	1.831	2.777	7.9	20.1
4 1	11 39.27	+22 6.5	1.874	2.780	10.6	20.3
4 11	11 33.59	+22 23.6	1.941	2.783	13.4	20.4
4 21	11 29.81	+22 16.6	2.027	2.787	15.9	20.6

480759 2016 NJ_{45} 3 17.6 266°.79 1°.8/15.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 9.67	+ 3 59.0	2.373	3.197	11.3	21.0
2 21	12 5.83	+ 4 49.3	2.282	3.188	8.5	20.8
3 2	12 0.30	+ 5 48.3	2.217	3.178	5.2	20.6
3 12	11 53.60	+ 6 51.1	2.180	3.169	2.2	20.3
3 22	11 46.40	+ 7 52.0	2.173	3.159	3.1	20.4
4 1	11 39.47	+ 8 45.5	2.194	3.150	6.4	20.6
4 11	11 33.53	+ 9 27.1	2.242	3.140	9.6	20.8
4 21	11 29.12	+ 9 54.1	2.314	3.130	12.5	20.9

143381 2003 BC_{21} 3 17.6 76°.10 2°.6/20.2 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 20.86	− 9 28.8	2.016	2.780	15.2	20.6
2 21	12 13.99	− 9 10.3	1.969	2.830	11.8	20.4
3 2	12 5.19	− 8 33.8	1.945	2.878	8.1	20.3
3 12	11 55.27	− 7 42.8	1.949	2.926	4.3	20.2
3 22	11 45.20	− 6 42.3	1.982	2.972	2.7	20.1
4 1	11 35.92	− 5 38.8	2.046	3.017	5.4	20.4
4 11	11 28.24	− 4 38.9	2.138	3.061	8.7	20.7
4 21	11 22.60	− 3 47.5	2.255	3.104	11.7	20.9

494733 2005 UF_{115} 3 17.6 49°.21 1°.7/18.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 14.25	− 5 13.8	1.281	2.105	19.0	21.3
2 21	12 10.47	− 4 59.8	1.212	2.111	14.8	21.1
3 2	12 3.75	− 4 23.0	1.163	2.117	9.8	20.8
3 12	11 54.95	− 3 27.4	1.137	2.124	4.4	20.5
3 22	11 45.35	− 2 20.6	1.136	2.131	2.5	20.4
4 1	11 36.43	− 1 12.5	1.161	2.138	7.7	20.7
4 11	11 29.48	− 0 13.0	1.210	2.145	12.8	21.0
4 21	11 25.30	+ 0 31.1	1.279	2.152	17.2	21.3

159871 2004 QF_{17} 3 17.6 255°.02 3°.6/20.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 14.88	−10 4.7	1.654	2.441	17.1	20.7
2 21	12 10.71	−10 4.4	1.553	2.425	13.8	20.5
3 2	12 3.90	− 9 41.4	1.473	2.409	9.9	20.2
3 12	11 55.06	− 8 56.4	1.416	2.393	5.7	19.9
3 22	11 45.20	− 7 53.1	1.387	2.376	3.7	19.7
4 1	11 35.56	− 6 38.8	1.384	2.359	7.0	19.9
4 11	11 27.40	− 5 22.9	1.407	2.341	11.5	20.1
4 21	11 21.62	− 4 14.3	1.453	2.323	15.7	20.3

492394 2014 JU_{12} 3 17.6 214°.00 3°.4/14.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 17.62	+ 7 1.2	1.851	2.680	13.8	22.8
2 21	12 12.34	+ 8 3.5	1.765	2.671	10.4	22.5
3 2	12 4.67	+ 9 14.8	1.702	2.662	6.6	22.3
3 12	11 55.26	+10 27.8	1.667	2.652	3.6	22.1
3 22	11 45.10	+11 34.4	1.661	2.641	4.9	22.1
4 1	11 35.30	+12 26.9	1.683	2.629	8.8	22.3
4 11	11 26.95	+13 0.5	1.731	2.616	12.7	22.5
4 21	11 20.80	+13 13.3	1.801	2.602	16.1	22.7

79986 1999 ER_5 3 17.6 227°.07 1°.3/15.9 18

2 11	12 9.53	+ 1 52.6	2.458	3.275	11.2	19.2
2 21	12 5.66	+ 2 50.0	2.367	3.269	8.4	19.0
3 2	12 0.16	+ 3 57.7	2.302	3.262	5.2	18.8
3 12	11 53.55	+ 5 10.9	2.266	3.255	1.9	18.6
3 22	11 46.47	+ 6 23.7	2.260	3.249	2.6	18.6
4 1	11 39.66	+ 7 30.4	2.283	3.241	6.0	18.8
4 11	11 33.80	+ 8 26.0	2.334	3.234	9.2	19.0
4 21	11 29.41	+ 9 7.4	2.408	3.226	12.0	19.2

40838 1999 TY_{95} 3 17.6 230°.16 1°.1/16.4 18

2 11	12 11.73	+ 1 13.2	2.256	3.071	12.1	20.1
2 21	12 7.48	+ 2 1.0	2.162	3.062	9.1	19.9
3 2	12 1.40	+ 3 0.2	2.093	3.052	5.7	19.7
3 12	11 54.04	+ 4 6.0	2.053	3.042	2.0	19.4
3 22	11 46.10	+ 5 12.6	2.041	3.032	2.5	19.4
4 1	11 38.44	+ 6 13.8	2.060	3.021	6.2	19.7
4 11	11 31.84	+ 7 4.3	2.105	3.010	9.8	19.8
4 21	11 26.90	+ 7 40.6	2.174	2.999	12.9	20.0

24622 1979 MU_5 3 17.6 278°.29 0°.8/16.9 18

2 11	12 13.53	+ 0 10.1	1.697	2.521	15.1	20.0
2 21	12 9.58	+ 0 46.3	1.597	2.500	11.5	19.7
3 2	12 3.13	+ 1 38.2	1.519	2.478	7.3	19.4
3 12	11 54.78	+ 2 41.0	1.467	2.456	2.6	19.1
3 22	11 45.46	+ 3 47.8	1.442	2.434	2.7	19.0
4 1	11 36.36	+ 4 50.2	1.445	2.412	7.7	19.3
4 11	11 28.65	+ 5 40.6	1.473	2.389	12.4	19.5
4 21	11 23.19	+ 6 14.1	1.522	2.366	16.5	19.7

512336 2016 LL_{54} 3 17.6 223°.76 2°.7/21.4 17

2 11	12 10.02	−11 44.5	3.009	3.758	11.0	22.4
2 21	12 5.80	−11 32.5	2.900	3.748	8.9	22.2
3 2	12 0.17	−11 6.2	2.815	3.737	6.4	22.0
3 12	11 53.55	−10 26.9	2.758	3.726	4.0	21.8
3 22	11 46.49	− 9 37.1	2.730	3.715	2.7	21.7
4 1	11 39.60	− 8 40.5	2.732	3.703	4.3	21.8
4 11	11 33.49	− 7 41.8	2.764	3.691	6.8	22.0
4 21	11 28.63	− 6 45.6	2.822	3.678	9.4	22.1

470368 2007 TC_{69} 3 17.6 150°.79 0°.4/18.1 17

2 11	12 10.63	− 3 9.6	2.602	3.398	11.3	22.2
2 21	12 6.32	− 2 33.7	2.518	3.404	8.6	22.1
3 2	12 0.49	− 1 46.1	2.459	3.411	5.5	21.9
3 12	11 53.66	− 0 50.4	2.429	3.416	2.2	21.6
3 22	11 46.44	+ 0 9.2	2.428	3.422	1.4	21.6
4 1	11 39.52	+ 1 7.5	2.458	3.427	4.8	21.8
4 11	11 33.56	+ 1 59.8	2.516	3.432	7.9	22.0
4 21	11 29.02	+ 2 42.6	2.599	3.437	10.7	22.2

407779 2011 WP_{147} 3 17.6 110°.63 0°.4/17.9 18

2 11	12 16.53	− 2 30.4	1.703	2.513	15.6	21.9
2 21	12 11.42	− 2 2.9	1.635	2.529	11.9	21.7
3 2	12 3.96	− 1 19.8	1.589	2.544	7.6	21.5
3 12	11 54.96	− 0 25.7	1.570	2.559	2.9	21.2
3 22	11 45.43	+ 0 32.7	1.579	2.573	2.0	21.2
4 1	11 36.52	+ 1 28.4	1.616	2.587	6.7	21.5
4 11	11 29.22	+ 2 14.6	1.680	2.601	10.9	21.8
4 21	11 24.15	+ 2 47.2	1.766	2.614	14.4	22.0

348595 2005 XE_1 3 17.6 108°.59 35°.6/17.4 18

2 11	13 5.66	+64 35.3	0.739	1.488	35.7	20.7
2 21	12 56.10	+67 41.6	0.773	1.509	35.6	20.8
3 2	12 34.23	+69 28.1	0.812	1.528	35.8	20.9
3 12	12 5.45	+69 40.5	0.855	1.547	36.1	21.1
3 22	11 38.45	+68 20.1	0.902	1.565	36.5	21.2
4 1	11 19.52	+65 42.6	0.953	1.581	36.9	21.4
4 11	11 9.95	+62 10.0	1.007	1.596	37.3	21.5
4 21	11 7.99	+58 0.8	1.064	1.610	37.6	21.7

358109 2006 KZ_{123} 3 17.6 219°.94 6°.7/10.7 17

2 11	12 22.66	+21 14.5	2.297	3.116	11.8	21.0
2 21	12 15.75	+22 11.1	2.215	3.104	9.5	20.8
3 2	12 6.62	+23 3.2	2.159	3.091	7.5	20.7
3 12	11 55.94	+23 43.0	2.131	3.078	6.8	20.6
3 22	11 44.64	+24 4.4	2.132	3.063	8.0	20.6
4 1	11 33.77	+24 3.5	2.161	3.048	10.3	20.8
4 11	11 24.29	+23 39.7	2.215	3.031	12.9	20.9
4 21	11 16.88	+22 55.2	2.291	3.014	15.3	21.0

206219 2002 VD_{51} 3 17.6 65°.85 4°.7/12.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 14.15	+12 59.7	2.007	2.846	12.5	20.0
2 21	12 9.20	+13 58.3	1.960	2.869	9.4	19.9
3 2	12 2.34	+14 57.3	1.937	2.892	6.4	19.7
3 12	11 54.31	+15 49.7	1.941	2.916	4.7	19.7
3 22	11 45.98	+16 29.2	1.974	2.939	5.9	19.8
4 1	11 38.27	+16 51.6	2.034	2.962	8.7	20.0
4 11	11 31.97	+16 55.3	2.119	2.985	11.5	20.2
4 21	11 27.55	+16 40.9	2.225	3.008	14.0	20.4

467637 2008 RE_{111} 3 17.6 226°.74 0°.7/16.9 17

2 11	12 14.36	+ 1 40.2	2.062	2.878	13.1	21.8
2 21	12 9.58	+ 2 0.0	1.975	2.874	9.9	21.6
3 2	12 2.77	+ 2 29.8	1.912	2.870	6.2	21.4
3 12	11 54.55	+ 3 5.3	1.876	2.866	2.2	21.1
3 22	11 45.73	+ 3 41.6	1.869	2.862	2.3	21.1
4 1	11 37.27	+ 4 13.5	1.892	2.857	6.3	21.4
4 11	11 30.05	+ 4 36.4	1.940	2.853	10.1	21.6
4 21	11 24.70	+ 4 47.5	2.013	2.848	13.4	21.8

332540 2008 PN_{21} 3 17.6 150°.68 5°.3/10.2 17

2 11	12 11.09	+13 27.8	2.305	3.144	11.1	20.5
2 21	12 6.91	+15 25.3	2.242	3.151	8.4	20.3
3 2	12 0.98	+17 25.4	2.206	3.157	6.1	20.2
3 12	11 53.87	+19 19.6	2.200	3.163	5.3	20.1
3 22	11 46.30	+20 59.5	2.223	3.168	6.8	20.2
4 1	11 39.10	+22 19.0	2.275	3.173	9.3	20.4
4 11	11 33.01	+23 14.8	2.351	3.178	11.9	20.6
4 21	11 28.57	+23 46.8	2.449	3.183	14.1	20.8

246724 2009 BZ_{45} 3 17.6 180°.80 2°.7/13.8 18

2 11	12 9.39	+ 6 20.3	2.515	3.343	10.6	20.7
2 21	12 5.49	+ 7 38.2	2.436	3.343	7.9	20.5
3 2	12 0.03	+ 9 3.4	2.383	3.343	4.9	20.3
3 12	11 53.52	+10 29.8	2.359	3.343	2.8	20.2
3 22	11 46.59	+11 51.2	2.366	3.343	3.9	20.3
4 1	11 39.95	+13 1.5	2.402	3.343	6.8	20.4
4 11	11 34.27	+13 56.7	2.465	3.342	9.7	20.6
4 21	11 30.04	+14 34.7	2.551	3.341	12.2	20.8

232955 2005 ER_{19} 3 17.6 276°.84 0°.5/18.1 18

2 11	12 11.08	− 2 42.4	2.137	2.943	13.0	20.2
2 21	12 7.12	− 2 18.4	2.042	2.934	10.0	19.9
3 2	12 1.24	− 1 40.9	1.970	2.924	6.5	19.7
3 12	11 54.01	− 0 53.3	1.926	2.914	2.6	19.4
3 22	11 46.18	− 0 0.2	1.910	2.904	1.7	19.3
4 1	11 38.61	+ 0 52.5	1.922	2.893	5.7	19.6
4 11	11 32.16	+ 1 38.9	1.962	2.883	9.5	19.8
4 21	11 27.44	+ 2 14.9	2.026	2.873	12.8	20.0

253211 2002 XV_{92} 3 17.6 81°.10 4°.3/13.8 18

2 11	12 16.72	+ 9 48.6	1.674	2.514	14.5	21.2
2 21	12 11.48	+10 47.4	1.623	2.535	10.8	21.1
3 2	12 3.94	+11 50.2	1.595	2.555	7.0	20.9
3 12	11 54.93	+12 48.8	1.594	2.576	4.4	20.8
3 22	11 45.55	+13 35.7	1.621	2.596	5.7	20.9
4 1	11 36.90	+14 5.0	1.675	2.616	9.2	21.1
4 11	11 29.95	+14 14.2	1.753	2.636	12.6	21.4
4 21	11 25.26	+14 3.8	1.852	2.656	15.6	21.6

90591 2659 $P\text{–}L$ 3 17.6 200°.31 0°.4/17.2 17

2 11	12 15.87	− 1 8.7	1.958	2.766	14.0	20.8
2 21	12 10.87	− 0 23.6	1.868	2.762	10.7	20.5
3 2	12 3.68	+ 0 36.3	1.801	2.757	6.7	20.3
3 12	11 54.92	+ 1 46.1	1.762	2.751	2.4	20.0
3 22	11 45.48	+ 2 59.3	1.752	2.745	2.2	20.0
4 1	11 36.39	+ 4 8.3	1.772	2.738	6.7	20.2
4 11	11 28.62	+ 5 6.7	1.818	2.729	10.8	20.5
4 21	11 22.86	+ 5 49.9	1.888	2.720	14.3	20.7

426943 2013 YS_{16} 3 17.6 355°.05 5°.0/11.6 17 R

2 11	12 9.36	+12 30.8	2.033	2.879	12.0	20.0
2 21	12 5.84	+13 54.5	1.964	2.878	9.1	19.8
3 2	12 0.41	+15 21.5	1.920	2.877	6.3	19.6
3 12	11 53.69	+16 43.9	1.904	2.876	5.0	19.5
3 22	11 46.48	+17 53.7	1.916	2.876	6.5	19.6
4 1	11 39.65	+18 45.0	1.954	2.875	9.4	19.8
4 11	11 34.05	+19 14.4	2.017	2.875	12.3	20.0
4 21	11 30.22	+19 21.7	2.100	2.876	14.9	20.1

47687 2000 CW_{86} 3 17.6 46°.89 1°.8/15.8 18

2 11	12 12.21	+ 3 54.8	2.003	2.831	13.0	18.7
2 21	12 7.96	+ 4 31.9	1.927	2.833	9.7	18.5
3 2	12 1.73	+ 5 17.9	1.874	2.836	6.0	18.3
3 12	11 54.17	+ 6 7.5	1.849	2.838	2.4	18.1
3 22	11 46.11	+ 6 54.7	1.853	2.841	3.1	18.1
4 1	11 38.46	+ 7 33.8	1.884	2.844	6.9	18.4
4 11	11 32.08	+ 8 0.4	1.942	2.847	10.5	18.6
4 21	11 27.55	+ 8 12.3	2.022	2.850	13.6	18.8

217967 2001 VQ_{20} 3 17.6 163°.95 1°.5/19.3 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 13.92	− 6 25.3	2.430	3.209	12.4	21.7
2 21	12 8.93	− 6 1.6	2.342	3.216	9.7	21.5
3 2	12 2.21	− 5 23.7	2.279	3.221	6.5	21.3
3 12	11 54.33	− 4 34.2	2.244	3.227	3.1	21.1
3 22	11 46.00	− 3 37.5	2.238	3.231	1.8	21.0
4 1	11 38.00	− 2 38.5	2.263	3.235	4.9	21.2
4 11	11 31.07	− 1 43.0	2.316	3.238	8.2	21.4
4 21	11 25.74	− 0 55.2	2.395	3.240	11.2	21.6

26640 Bahýľ 3 17.6 304°.00 7°.2/ 9.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 12.73	+19 51.1	2.008	2.851	12.3	18.7
2 21	12 8.53	+21 7.4	1.935	2.839	9.8	18.5
3 2	12 2.19	+22 21.0	1.887	2.828	7.8	18.4
3 12	11 54.37	+23 23.2	1.866	2.816	7.3	18.3
3 22	11 45.95	+24 6.5	1.871	2.805	8.7	18.4
4 1	11 37.95	+24 25.9	1.902	2.794	11.2	18.5
4 11	11 31.28	+24 20.0	1.956	2.783	13.9	18.7
4 21	11 26.59	+23 50.2	2.028	2.773	16.4	18.8

330959 2009 SA_{344} 3 17.6 149°.55 1°.4/15.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 12.47	+ 1 55.9	2.127	2.946	12.6	21.8
2 21	12 8.03	+ 2 51.8	2.051	2.953	9.4	21.6
3 2	12 1.72	+ 3 58.5	1.999	2.959	5.8	21.4
3 12	11 54.17	+ 5 10.5	1.975	2.965	2.2	21.2
3 22	11 46.14	+ 6 21.3	1.981	2.970	2.8	21.2
4 1	11 38.52	+ 7 24.3	2.016	2.975	6.6	21.5
4 11	11 32.09	+ 8 14.5	2.077	2.980	10.1	21.7
4 21	11 27.42	+ 8 48.9	2.162	2.984	13.1	21.9

250119 2002 OS_6 3 17.6 19°.47 9°.4/ 7.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 7.96	+ 7 56.3	0.973	1.853	19.1	19.5
2 21	12 6.50	+12 4.4	0.920	1.854	14.3	19.2
3 2	12 1.66	+16 35.7	0.891	1.855	10.2	18.9
3 12	11 54.33	+21 1.0	0.888	1.857	9.9	18.9
3 22	11 45.99	+24 50.6	0.911	1.859	13.5	19.1
4 1	11 38.38	+27 43.6	0.956	1.861	18.3	19.4
4 11	11 33.08	+29 33.5	1.019	1.863	22.6	19.7
4 21	11 30.96	+30 25.3	1.096	1.866	26.1	19.9

230946 2004 XT_{45} 3 17.6 217°.07 3°.2/13.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 13.11	+ 9 23.0	2.603	3.428	10.4	21.4
2 21	12 8.30	+10 22.3	2.513	3.418	7.8	21.2
3 2	12 1.83	+11 26.3	2.450	3.408	5.1	21.0
3 12	11 54.21	+12 29.5	2.416	3.396	3.2	20.9
3 22	11 46.10	+13 26.3	2.412	3.385	4.3	20.9
4 1	11 38.24	+14 11.8	2.438	3.372	7.1	21.1
4 11	11 31.34	+14 42.6	2.490	3.359	9.9	21.3
4 21	11 25.93	+14 57.3	2.566	3.345	12.4	21.4

505033 2011 QA_{77} 3 17.6 184°.32 1°.3/19.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 10.51	− 5 56.8	3.007	3.784	10.3	22.8
2 21	12 6.10	− 5 38.4	2.912	3.784	8.0	22.7
3 2	12 0.32	− 5 8.9	2.842	3.783	5.4	22.5
3 12	11 53.63	− 4 30.3	2.800	3.782	2.6	22.3
3 22	11 46.57	− 3 45.9	2.788	3.781	1.5	22.2
4 1	11 39.73	− 2 59.4	2.808	3.780	4.1	22.4
4 11	11 33.69	− 2 14.9	2.856	3.778	6.9	22.6
4 21	11 28.89	− 1 35.9	2.931	3.775	9.4	22.7

320315 2007 TD_{13} 3 17.6 137°.19 0°.1/17.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 16.04	− 1 56.9	1.897	2.704	14.4	21.5
2 21	12 10.89	− 1 20.1	1.824	2.716	11.0	21.3
3 2	12 3.59	− 0 28.9	1.774	2.728	6.9	21.0
3 12	11 54.86	+ 0 31.9	1.751	2.739	2.5	20.8
3 22	11 45.62	+ 1 35.9	1.757	2.750	2.0	20.8
4 1	11 36.90	+ 2 36.3	1.792	2.760	6.3	21.1
4 11	11 29.61	+ 3 26.9	1.853	2.769	10.3	21.3
4 21	11 24.35	+ 4 3.8	1.939	2.778	13.7	21.5

258715 2002 GX_{78} 3 17.6 327°.54 7°.3/ 8.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 11.14	+22 31.8	2.268	3.107	11.2	19.7
2 21	12 7.09	+23 50.2	2.203	3.101	9.1	19.6
3 2	12 1.16	+25 3.6	2.164	3.095	7.6	19.5
3 12	11 53.98	+26 4.2	2.152	3.089	7.4	19.4
3 22	11 46.32	+26 45.8	2.166	3.083	8.7	19.5
4 1	11 39.07	+27 4.4	2.206	3.078	10.8	19.6
4 11	11 33.01	+26 59.0	2.268	3.072	13.0	19.8
4 21	11 28.70	+26 31.3	2.349	3.068	15.0	19.9

287493 2003 BB_{28} 3 17.6 55°.91 3°.0/14.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 9.48	+ 6 28.6	2.081	2.917	12.2	20.2
2 21	12 5.80	+ 7 40.4	2.015	2.927	9.0	20.1
3 2	12 0.32	+ 8 59.5	1.975	2.937	5.7	19.9
3 12	11 53.66	+10 19.0	1.962	2.947	3.1	19.7
3 22	11 46.59	+11 31.9	1.978	2.958	4.4	19.8
4 1	11 39.95	+12 31.9	2.022	2.968	7.6	20.0
4 11	11 34.50	+13 14.7	2.092	2.979	10.7	20.3
4 21	11 30.74	+13 38.8	2.184	2.989	13.5	20.5

466375 2013 RB_{93} 3 17.6 261°.55 2°.3/20.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 10.39	− 9 49.3	1.970	2.754	14.8	21.5
2 21	12 6.85	− 9 8.3	1.867	2.740	11.8	21.3
3 2	12 1.23	− 8 4.6	1.785	2.725	8.2	21.0
3 12	11 54.08	− 6 40.9	1.730	2.710	4.3	20.7
3 22	11 46.21	− 5 2.8	1.702	2.695	2.4	20.6
4 1	11 38.57	− 3 18.4	1.704	2.679	5.9	20.8
4 11	11 32.12	− 1 37.1	1.733	2.663	10.0	21.0
4 21	11 27.56	− 0 6.7	1.787	2.647	13.7	21.2

18310 1981 EJ_{16} 3 17.6 278°.14 1°.3/18.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 16.87	− 2 42.7	1.536	2.352	16.8	19.3
2 21	12 12.33	− 2 48.7	1.445	2.340	13.1	19.0
3 2	12 4.98	− 2 39.1	1.375	2.329	8.6	18.7
3 12	11 55.52	− 2 16.4	1.330	2.317	3.7	18.4
3 22	11 45.06	− 1 45.2	1.311	2.305	2.3	18.3
4 1	11 34.94	− 1 12.1	1.320	2.294	7.4	18.5
4 11	11 26.47	− 0 44.1	1.353	2.282	12.3	18.8
4 21	11 20.56	− 0 26.4	1.408	2.270	16.6	19.0

110111 2001 SW_{135} 3 17.6 245°.55 0°.1/17.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 11.50	− 1 19.5	2.392	3.196	11.9	20.9
2 21	12 7.23	− 0 55.9	2.296	3.188	9.1	20.7
3 2	12 1.23	− 0 21.3	2.225	3.179	5.8	20.5
3 12	11 54.02	+ 0 21.1	2.182	3.170	2.2	20.2
3 22	11 46.28	+ 1 7.0	2.168	3.161	1.6	20.2
4 1	11 38.80	+ 1 51.5	2.183	3.152	5.3	20.4
4 11	11 32.32	+ 2 29.8	2.226	3.143	8.8	20.6
4 21	11 27.39	+ 2 58.4	2.294	3.133	11.8	20.8

374573 2006 BR_{280} 3 17.6 99°.36 1°.5/15.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 13.28	+ 1 59.5	2.193	3.009	12.4	21.8
2 21	12 8.43	+ 3 3.3	2.133	3.034	9.2	21.7
3 2	12 1.85	+ 4 16.7	2.099	3.059	5.6	21.5
3 12	11 54.19	+ 5 33.7	2.094	3.083	2.1	21.3
3 22	11 46.21	+ 6 47.9	2.118	3.107	2.8	21.4
4 1	11 38.74	+ 7 53.1	2.173	3.130	6.3	21.6
4 11	11 32.50	+ 8 44.8	2.254	3.153	9.6	21.9
4 21	11 27.96	+ 9 20.7	2.359	3.175	12.3	22.1

189127 2001 XT_{82} 3 17.6 111°.61 5°.0/11.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 14.29	+12 49.2	2.048	2.885	12.3	20.8
2 21	12 9.39	+14 14.3	1.994	2.903	9.3	20.6
3 2	12 2.54	+15 41.0	1.966	2.921	6.4	20.5
3 12	11 54.46	+17 1.1	1.967	2.938	5.0	20.4
3 22	11 46.00	+18 7.2	1.995	2.954	6.4	20.5
4 1	11 38.10	+18 54.0	2.052	2.970	9.2	20.7
4 11	11 31.55	+19 19.0	2.133	2.986	12.0	20.9
4 21	11 26.88	+19 22.8	2.236	3.001	14.4	21.1

428842 2008 UU_{31} 3 17.6 70°.20 0°.4/17.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 11.50	− 0 26.0	1.985	2.802	13.5	21.5
2 21	12 7.43	+ 0 10.1	1.909	2.809	10.2	21.3
3 2	12 1.42	+ 0 58.8	1.857	2.815	6.4	21.1
3 12	11 54.09	+ 1 55.3	1.832	2.822	2.2	20.8
3 22	11 46.28	+ 2 53.8	1.835	2.828	2.1	20.8
4 1	11 38.89	+ 3 47.8	1.867	2.835	6.2	21.1
4 11	11 32.76	+ 4 31.8	1.926	2.842	10.0	21.3
4 21	11 28.46	+ 5 2.4	2.007	2.848	13.2	21.6

439800 2015 HK_{147} 3 17.6 288°.02 5°.7/24.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 8.85	−19 51.4	2.306	3.026	14.7	21.0
2 21	12 5.48	−19 49.4	2.199	3.014	12.5	20.8
3 2	12 0.26	−19 24.3	2.112	3.002	9.9	20.7
3 12	11 53.72	−18 35.5	2.048	2.990	7.4	20.5
3 22	11 46.56	−17 25.1	2.012	2.977	5.8	20.3
4 1	11 39.61	−15 57.9	2.003	2.965	6.3	20.4
4 11	11 33.71	−14 21.5	2.022	2.953	8.7	20.5
4 21	11 29.47	−12 43.7	2.066	2.941	11.5	20.6

239 Adrastea 3 17.6 128°.41 0°.1/17.8 18 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 11.36	− 2 28.4	2.642	3.438	11.1	15.9
2 21	12 6.82	− 1 48.5	2.566	3.453	8.4	15.7
3 2	12 0.81	− 0 57.7	2.515	3.467	5.3	15.5
3 12	11 53.83	+ 0 0.4	2.493	3.481	2.0	15.3
3 22	11 46.52	+ 1 1.1	2.501	3.494	1.4	15.3
4 1	11 39.56	+ 1 59.6	2.539	3.507	4.8	15.6
4 11	11 33.57	+ 2 51.3	2.606	3.519	7.8	15.8
4 21	11 28.98	+ 3 33.0	2.698	3.531	10.5	16.0

425779 2011 CY_{55} 3 17.6 138°.51 2°.6/20.4 15

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 16.46	− 8 40.5	2.309	3.076	13.4	22.3
2 21	12 10.91	− 8 44.2	2.226	3.088	10.6	22.2
3 2	12 3.51	− 8 32.9	2.168	3.101	7.4	22.0
3 12	11 54.86	− 8 8.2	2.136	3.112	4.2	21.8
3 22	11 45.73	− 7 33.1	2.134	3.123	2.7	21.7
4 1	11 37.01	− 6 52.3	2.162	3.133	5.2	21.9
4 11	11 29.47	− 6 10.9	2.218	3.143	8.4	22.1
4 21	11 23.69	− 5 33.8	2.300	3.152	11.3	22.3

349020 2006 UJ_{361} 3 17.6 163°.36 6°.3/ 8.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 11.78	+22 52.5	2.797	3.626	9.6	21.0
2 21	12 7.20	+24 14.1	2.740	3.630	7.8	20.8
3 2	12 1.08	+25 30.8	2.709	3.634	6.5	20.8
3 12	11 53.95	+26 36.3	2.707	3.637	6.4	20.8
3 22	11 46.46	+27 25.4	2.733	3.641	7.5	20.8
4 1	11 39.31	+27 54.8	2.786	3.643	9.2	20.9
4 11	11 33.17	+28 3.6	2.862	3.646	11.1	21.1
4 21	11 28.49	+27 53.1	2.958	3.648	12.8	21.2

506718 2006 UT_{220} 3 17.6 154°.44 2°.6/21.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 9.95	−11 10.8	2.689	3.448	11.9	21.8
2 21	12 5.86	−10 53.2	2.598	3.453	9.5	21.6
3 2	12 0.27	−10 20.2	2.530	3.457	6.8	21.4
3 12	11 53.67	− 9 33.3	2.490	3.461	4.1	21.2
3 22	11 46.67	− 8 36.1	2.478	3.465	2.7	21.2
4 1	11 39.94	− 7 32.9	2.496	3.469	4.5	21.3
4 11	11 34.13	− 6 29.2	2.543	3.472	7.3	21.5
4 21	11 29.70	− 5 29.8	2.616	3.475	9.9	21.6

82686 2001 PJ_{33} 3 17.6 119°.16 4°.7/12.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 15.94	+16 4.9	2.505	3.332	10.7	19.2
2 21	12 10.30	+16 48.4	2.444	3.345	8.2	19.0
3 2	12 2.99	+17 30.1	2.410	3.358	5.8	18.9
3 12	11 54.63	+18 4.4	2.404	3.371	4.7	18.8
3 22	11 45.96	+18 26.7	2.428	3.383	5.7	18.9
4 1	11 37.77	+18 33.9	2.480	3.395	7.9	19.1
4 11	11 30.76	+18 24.8	2.558	3.406	10.4	19.3
4 21	11 25.39	+18 0.3	2.658	3.417	12.5	19.4

422219 2014 RH_{61} 3 17.6 225°.80 3°.7/14.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 16.26	+ 7 43.3	1.866	2.697	13.6	22.0
2 21	12 11.35	+ 8 48.4	1.778	2.687	10.3	21.8
3 2	12 4.11	+10 2.1	1.715	2.675	6.6	21.5
3 12	11 55.17	+11 16.9	1.680	2.663	3.8	21.3
3 22	11 45.47	+12 24.6	1.673	2.650	5.2	21.4
4 1	11 36.12	+13 17.7	1.694	2.637	8.9	21.6
4 11	11 28.16	+13 51.2	1.740	2.623	12.7	21.7
4 21	11 22.33	+14 3.5	1.807	2.608	16.1	21.9

300230 2006 YZ 3 17.6 226°.34 2°.0/20.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 10.39	− 8 1.1	2.763	3.535	11.3	21.1
2 21	12 6.21	− 7 49.4	2.662	3.528	8.9	21.0
3 2	12 0.51	− 7 24.5	2.584	3.521	6.2	20.8
3 12	11 53.78	− 6 48.2	2.534	3.513	3.3	20.6
3 22	11 46.58	− 6 3.5	2.514	3.505	2.1	20.5
4 1	11 39.59	− 5 14.5	2.524	3.497	4.4	20.6
4 11	11 33.46	− 4 25.9	2.562	3.488	7.3	20.8
4 21	11 28.66	− 3 41.8	2.626	3.479	10.1	21.0

76037 2000 DA_{50} 3 17.6 109°.11 0°.5/18.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 12.41	− 2 29.0	2.141	2.946	13.1	20.2
2 21	12 8.02	− 2 8.1	2.060	2.951	10.0	20.0
3 2	12 1.76	− 1 34.5	2.003	2.956	6.4	19.8
3 12	11 54.24	− 0 51.9	1.973	2.961	2.5	19.5
3 22	11 46.24	− 0 4.8	1.972	2.966	1.6	19.4
4 1	11 38.63	+ 0 41.3	2.000	2.971	5.5	19.7
4 11	11 32.19	+ 1 21.0	2.056	2.976	9.2	19.9
4 21	11 27.49	+ 1 50.8	2.135	2.981	12.3	20.2

406947 2009 JP_{5} 3 17.6 203°.42 7°.8/ 8.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 16.41	+22 14.1	2.128	2.961	12.1	21.2
2 21	12 11.23	+23 53.0	2.063	2.956	9.8	21.1
3 2	12 3.89	+25 27.4	2.023	2.951	8.2	21.0
3 12	11 55.05	+26 48.1	2.011	2.945	8.0	20.9
3 22	11 45.62	+27 47.3	2.026	2.939	9.4	21.0
4 1	11 36.63	+28 20.0	2.067	2.931	11.7	21.1
4 11	11 29.01	+28 25.3	2.130	2.923	14.1	21.3
4 21	11 23.41	+28 5.3	2.212	2.915	16.3	21.4

206929 2004 RH_{20} 3 17.6 117°.53 0°.4/18.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 16.45	− 4 0.3	1.812	2.614	15.2	21.3
2 21	12 11.23	− 3 11.3	1.746	2.635	11.6	21.1
3 2	12 3.82	− 2 5.3	1.703	2.655	7.4	20.9
3 12	11 54.99	− 0 47.6	1.687	2.675	2.8	20.7
3 22	11 45.71	+ 0 34.5	1.700	2.694	1.9	20.6
4 1	11 37.04	+ 1 52.8	1.742	2.712	6.4	21.0
4 11	11 29.90	+ 3 0.2	1.811	2.729	10.4	21.2
4 21	11 24.87	+ 3 52.2	1.904	2.745	13.8	21.5

520197 2014 DZ_{149} 3 17.6 101°.04 0°.2/17.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 9.34	− 1 37.7	2.421	3.228	11.7	21.3
2 21	12 5.49	− 0 49.1	2.343	3.237	8.8	21.1
3 2	12 0.06	+ 0 11.3	2.291	3.246	5.5	20.9
3 12	11 53.60	+ 1 19.1	2.266	3.255	2.0	20.7
3 22	11 46.76	+ 2 29.0	2.271	3.264	1.7	20.7
4 1	11 40.26	+ 3 35.4	2.305	3.272	5.3	20.9
4 11	11 34.76	+ 4 33.0	2.368	3.281	8.5	21.1
4 21	11 30.74	+ 5 18.4	2.455	3.289	11.3	21.3

145901 1999 TV_{237} 3 17.6 76°.91 1°.1/16.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 16.53	− 0 3.6	1.262	2.099	18.5	20.2
2 21	12 12.08	+ 0 42.0	1.206	2.115	13.9	19.9
3 2	12 4.70	+ 1 45.6	1.170	2.132	8.7	19.7
3 12	11 55.37	+ 2 59.3	1.159	2.149	3.0	19.4
3 22	11 45.43	+ 4 13.0	1.173	2.165	3.2	19.4
4 1	11 36.35	+ 5 16.7	1.213	2.182	8.6	19.8
4 11	11 29.37	+ 6 2.7	1.277	2.198	13.5	20.1
4 21	11 25.16	+ 6 27.8	1.361	2.214	17.6	20.4

495362 2014 OQ_{116} 3 17.6 225°.95 1°.9/15.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 16.02	+ 2 37.7	1.826	2.649	14.2	23.1
2 21	12 11.23	+ 3 30.2	1.735	2.638	10.8	22.9
3 2	12 4.08	+ 4 35.8	1.666	2.627	6.7	22.6
3 12	11 55.18	+ 5 48.3	1.625	2.614	2.6	22.3
3 22	11 45.49	+ 7 0.1	1.613	2.601	3.5	22.3
4 1	11 36.12	+ 8 3.3	1.629	2.588	7.9	22.6
4 11	11 28.14	+ 8 51.4	1.671	2.573	12.1	22.8
4 21	11 22.32	+ 9 20.9	1.735	2.558	15.7	23.0

428049 2006 DA_{138} 3 17.6 80°.56 2°.5/14.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 11.43	+ 4 12.1	1.897	2.730	13.4	21.2
2 21	12 7.41	+ 5 22.8	1.834	2.743	9.9	21.1
3 2	12 1.41	+ 6 43.4	1.794	2.757	6.1	20.8
3 12	11 54.12	+ 8 6.7	1.782	2.770	2.8	20.7
3 22	11 46.39	+ 9 24.8	1.799	2.783	4.0	20.8
4 1	11 39.16	+10 30.5	1.844	2.797	7.6	21.0
4 11	11 33.27	+11 19.0	1.914	2.810	11.1	21.2
4 21	11 29.26	+11 48.1	2.007	2.823	14.2	21.5

279739 1997 EF_{1} 3 17.6 259°.45 3°.7/22.0 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 11.58	−13 10.4	2.691	3.435	12.2	21.4
2 21	12 7.26	−13 20.0	2.578	3.419	10.0	21.2
3 2	12 1.28	−13 14.2	2.488	3.403	7.5	21.0
3 12	11 54.11	−12 53.3	2.424	3.386	5.0	20.8
3 22	11 46.35	−12 19.1	2.389	3.369	3.7	20.7
4 1	11 38.73	−11 35.1	2.383	3.351	5.1	20.7
4 11	11 31.97	−10 45.9	2.406	3.333	7.7	20.9
4 21	11 26.65	− 9 56.8	2.454	3.315	10.4	21.0

501175 2013 TV_{94} 3 17.6 133°.03 0°.8/18.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 11.95	− 4 25.3	2.276	3.071	12.7	22.0
2 21	12 7.55	− 3 51.4	2.195	3.080	9.8	21.8
3 2	12 1.42	− 3 3.5	2.140	3.089	6.3	21.6
3 12	11 54.12	− 2 5.3	2.111	3.098	2.6	21.4
3 22	11 46.39	− 1 1.8	2.112	3.106	1.6	21.3
4 1	11 39.03	+ 0 1.3	2.143	3.114	5.2	21.6
4 11	11 32.79	+ 0 58.2	2.201	3.122	8.7	21.8
4 21	11 28.18	+ 1 44.7	2.284	3.129	11.7	22.0

432792 2011 FY_{131} 3 17.6 14°.51 1°.6/19.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 7.92	− 8 26.8	1.648	2.454	16.3	20.4
2 21	12 5.19	− 7 31.9	1.569	2.456	12.7	20.2
3 2	12 0.24	− 6 12.3	1.510	2.459	8.6	19.9
3 12	11 53.76	− 4 32.7	1.477	2.462	4.0	19.7
3 22	11 46.66	− 2 41.4	1.471	2.465	2.1	19.5
4 1	11 40.00	− 0 48.7	1.493	2.469	6.4	19.8
4 11	11 34.77	+ 0 54.9	1.541	2.473	10.8	20.1
4 21	11 31.59	+ 2 21.5	1.612	2.478	14.6	20.3

469292 1996 VU_{28} 3 17.6 341°.84 4°.4/12.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 13.22	+13 2.4	2.186	3.023	11.7	21.4
2 21	12 8.62	+13 50.9	2.113	3.022	8.9	21.2
3 2	12 2.14	+14 40.8	2.066	3.021	6.0	21.0
3 12	11 54.40	+15 25.6	2.046	3.021	4.4	20.9
3 22	11 46.19	+15 59.7	2.054	3.020	5.6	21.0
4 1	11 38.40	+16 18.5	2.090	3.020	8.4	21.2
4 11	11 31.82	+16 19.8	2.152	3.019	11.3	21.4
4 21	11 27.01	+16 3.7	2.235	3.019	13.9	21.5

207631 2006 SP_{225} 3 17.6 314°.77 0°.7/16.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 10.55	+ 0 40.3	2.152	2.970	12.5	21.0
2 21	12 6.67	+ 1 17.4	2.067	2.968	9.5	20.8
3 2	12 0.95	+ 2 5.6	2.007	2.966	5.9	20.5
3 12	11 53.98	+ 3 0.5	1.974	2.963	2.1	20.3
3 22	11 46.50	+ 3 56.6	1.969	2.961	2.2	20.3
4 1	11 39.34	+ 4 48.0	1.994	2.959	6.1	20.5
4 11	11 33.31	+ 5 29.7	2.045	2.957	9.7	20.7
4 21	11 28.96	+ 5 58.3	2.119	2.955	12.8	20.9

511635 2015 BB_{118} 3 17.6 155°.74 1°.8/19.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 11.87	− 7 8.3	1.968	2.761	14.5	21.7
2 21	12 7.84	− 6 43.5	1.883	2.763	11.3	21.5
3 2	12 1.77	− 6 0.6	1.820	2.765	7.7	21.3
3 12	11 54.30	− 5 2.7	1.783	2.766	3.7	21.0
3 22	11 46.25	− 3 54.9	1.775	2.768	2.1	20.9
4 1	11 38.58	− 2 44.2	1.795	2.769	5.7	21.1
4 11	11 32.16	− 1 37.6	1.842	2.770	9.6	21.4
4 21	11 27.63	− 0 41.1	1.912	2.771	13.0	21.6

51875 2001 PG_{34} 3 17.6 142°.75 2°.9/21.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 10.56	−11 30.8	2.505	3.265	12.6	18.7
2 21	12 6.44	−11 16.0	2.416	3.270	10.1	18.5
3 2	12 0.70	−10 44.6	2.350	3.276	7.3	18.4
3 12	11 53.87	− 9 58.2	2.310	3.281	4.4	18.2
3 22	11 46.60	− 9 0.4	2.299	3.286	2.9	18.1
4 1	11 39.64	− 7 55.9	2.318	3.291	4.8	18.2
4 11	11 33.67	− 6 50.6	2.365	3.295	7.7	18.4
4 21	11 29.19	− 5 49.9	2.438	3.299	10.5	18.6

303310 2004 TV_{43} 3 17.6 173°.19 0°.1/17.6 18

2 11	12 17.44	− 1 11.0	1.896	2.702	14.4	22.0
2 21	12 12.08	− 0 43.7	1.813	2.706	11.0	21.7
3 2	12 4.48	− 0 2.8	1.754	2.709	7.0	21.5
3 12	11 55.30	+ 0 47.4	1.722	2.711	2.6	21.2
3 22	11 45.50	+ 1 41.1	1.719	2.712	2.0	21.2
4 1	11 36.13	+ 2 31.8	1.745	2.713	6.5	21.5
4 11	11 28.20	+ 3 13.4	1.798	2.713	10.6	21.7
4 21	11 22.36	+ 3 42.2	1.874	2.712	14.1	21.9

468174 2014 XM_{12} 3 17.6 18°.95 3°.0/20.1 18

2 11	12 10.31	− 7 43.9	1.350	2.169	18.5	20.3
2 21	12 7.39	− 7 46.0	1.283	2.176	14.6	20.1
3 2	12 1.80	− 7 24.9	1.236	2.184	10.1	19.8
3 12	11 54.37	− 6 43.1	1.211	2.193	5.3	19.6
3 22	11 46.23	− 5 46.7	1.211	2.204	3.2	19.5
4 1	11 38.71	− 4 44.1	1.237	2.215	7.1	19.7
4 11	11 32.96	− 3 45.1	1.286	2.227	11.7	20.0
4 21	11 29.71	− 2 56.9	1.356	2.240	15.7	20.3

379414 2010 AU_{67} 3 17.6 123°.33 3°.0/14.5 17

2 11	12 13.15	+ 7 1.2	2.044	2.876	12.6	21.1
2 21	12 8.63	+ 7 56.1	1.974	2.883	9.4	20.9
3 2	12 2.17	+ 8 57.6	1.928	2.889	5.9	20.7
3 12	11 54.42	+ 9 59.4	1.911	2.896	3.1	20.5
3 22	11 46.20	+10 54.8	1.921	2.902	4.3	20.6
4 1	11 38.44	+11 38.1	1.961	2.908	7.6	20.8
4 11	11 31.95	+12 5.5	2.026	2.914	10.9	21.0
4 21	11 27.29	+12 15.6	2.113	2.920	13.8	21.2

9774 Annjudge 3 17.6 107°.96 0°.1/17.8 18

2 11	12 14.98	− 1 50.0	1.816	2.628	14.8	18.3
2 21	12 10.20	− 1 21.6	1.745	2.640	11.2	18.1
3 2	12 3.24	− 0 38.9	1.697	2.652	7.1	17.9
3 12	11 54.83	+ 0 13.5	1.675	2.664	2.7	17.6
3 22	11 45.89	+ 1 9.5	1.682	2.676	2.0	17.6
4 1	11 37.49	+ 2 2.4	1.717	2.687	6.4	17.9
4 11	11 30.55	+ 2 46.1	1.778	2.698	10.4	18.2
4 21	11 25.68	+ 3 16.7	1.862	2.708	13.9	18.4

437078 2012 UL_{67} 3 17.6 237°.24 4°.5/12.2 17

2 11	12 11.80	+13 11.0	2.339	3.175	11.0	21.2
2 21	12 7.49	+14 13.7	2.262	3.170	8.4	21.1
3 2	12 1.42	+15 18.4	2.211	3.165	5.8	20.9
3 12	11 54.16	+16 18.5	2.188	3.160	4.5	20.8
3 22	11 46.41	+17 8.0	2.193	3.155	5.7	20.9
4 1	11 39.00	+17 42.1	2.227	3.149	8.3	21.0
4 11	11 32.68	+17 58.1	2.285	3.144	11.1	21.2
4 21	11 28.00	+17 55.7	2.366	3.138	13.6	21.3

115220 2003 ST_{140} 3 17.6 283°.25 8°.4/24.0 17

2 11	12 15.62	−18 47.0	1.627	2.370	19.0	19.5
2 21	12 11.52	−19 46.6	1.531	2.359	16.3	19.3
3 2	12 4.61	−20 21.6	1.453	2.348	13.2	19.0
3 12	11 55.52	−20 28.1	1.397	2.337	10.2	18.8
3 22	11 45.27	−20 5.1	1.365	2.326	8.5	18.7
4 1	11 35.24	−19 16.0	1.358	2.315	9.3	18.7
4 11	11 26.79	−18 9.4	1.375	2.304	12.1	18.8
4 21	11 20.88	−16 55.5	1.414	2.293	15.6	19.0

113189 2002 RR_{106} 3 17.6 87°.62 2°.7/20.8 18

2 11	12 10.41	−10 22.1	2.232	3.005	13.6	19.5
2 21	12 6.48	−10 3.1	2.149	3.014	10.8	19.3
3 2	12 0.79	− 9 26.4	2.090	3.023	7.6	19.1
3 12	11 53.92	− 8 34.1	2.057	3.032	4.4	19.0
3 22	11 46.61	− 7 30.3	2.052	3.041	2.7	18.9
4 1	11 39.66	− 6 21.0	2.076	3.050	5.1	19.0
4 11	11 33.82	− 5 12.7	2.127	3.059	8.3	19.2
4 21	11 29.63	− 4 11.0	2.204	3.067	11.4	19.5

389795 2011 UB_{117} 3 17.6 219°.29 1°.6/19.7 17

2 11	12 9.18	− 7 29.3	2.584	3.364	11.8	21.5
2 21	12 5.39	− 7 0.3	2.488	3.361	9.2	21.3
3 2	12 0.05	− 6 16.7	2.416	3.357	6.3	21.1
3 12	11 53.66	− 5 21.1	2.372	3.353	3.1	20.9
3 22	11 46.81	− 4 17.4	2.357	3.349	1.8	20.8
4 1	11 40.21	− 3 10.7	2.372	3.345	4.6	21.0
4 11	11 34.52	− 2 6.6	2.415	3.341	7.7	21.2
4 21	11 30.24	− 1 9.8	2.484	3.337	10.6	21.4

218696 2005 TK_{83} 3 17.6 146°.46 2°.1/15.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 17.67	+ 6 35.5	2.493	3.305	11.2	20.6
2 21	12 11.63	+ 7 5.6	2.420	3.318	8.4	20.4
3 2	12 3.88	+ 7 40.4	2.372	3.330	5.2	20.2
3 12	11 55.02	+ 8 15.5	2.354	3.341	2.4	20.0
3 22	11 45.80	+ 8 46.4	2.367	3.351	3.1	20.1
4 1	11 37.00	+ 9 9.0	2.410	3.361	6.2	20.3
4 11	11 29.35	+ 9 20.7	2.481	3.370	9.2	20.5
4 21	11 23.36	+ 9 20.3	2.577	3.379	11.8	20.7

337391 2001 QR_{157} 3 17.6 124°.64 0°.2/17.3 17

2 11	12 11.26	− 0 51.1	2.859	3.657	10.3	21.6
2 21	12 6.64	− 0 11.0	2.786	3.675	7.7	21.4
3 2	12 0.67	+ 0 38.1	2.738	3.692	4.8	21.2
3 12	11 53.84	+ 1 32.6	2.719	3.709	1.7	21.0
3 22	11 46.71	+ 2 28.4	2.732	3.725	1.5	21.0
4 1	11 39.91	+ 3 20.9	2.775	3.740	4.6	21.3
4 11	11 34.00	+ 4 6.5	2.846	3.755	7.4	21.5
4 21	11 29.41	+ 4 42.3	2.944	3.769	9.9	21.7

299978 2006 TH_{112} 3 17.6 354°.40 6°.4/10.3 17

2 11	12 11.79	+18 18.9	2.100	2.943	11.8	20.3
2 21	12 7.67	+19 30.3	2.035	2.942	9.3	20.1
3 2	12 1.61	+20 39.4	1.996	2.940	7.1	20.0
3 12	11 54.24	+21 38.5	1.983	2.940	6.4	19.9
3 22	11 46.40	+22 20.8	1.998	2.939	7.8	20.0
4 1	11 39.00	+22 41.9	2.038	2.938	10.2	20.1
4 11	11 32.87	+22 40.3	2.102	2.938	12.8	20.3
4 21	11 28.57	+22 17.2	2.186	2.938	15.1	20.5

248415 2005 ST_{180} 3 17.6 269°.84 0°.3/18.0 17

2 11	12 8.58	− 3 28.4	2.435	3.236	11.8	20.4
2 21	12 5.05	− 2 43.3	2.338	3.227	9.0	20.2
3 2	11 59.90	− 1 44.3	2.266	3.218	5.8	20.0
3 12	11 53.62	− 0 35.3	2.221	3.209	2.2	19.7
3 22	11 46.85	+ 0 38.7	2.206	3.200	1.5	19.6
4 1	11 40.32	+ 1 51.7	2.221	3.191	5.2	19.9
4 11	11 34.73	+ 2 58.0	2.264	3.182	8.6	20.1
4 21	11 30.59	+ 3 53.1	2.331	3.173	11.6	20.3

240556 2004 RQ_{164} 3 17.6 130°.16 4°.5/13.6 18

2 11	12 17.81	+ 9 52.6	1.703	2.540	14.4	20.4
2 21	12 12.46	+10 58.2	1.642	2.552	10.8	20.2
3 2	12 4.72	+12 8.8	1.604	2.563	7.1	20.0
3 12	11 55.39	+13 15.9	1.594	2.574	4.6	19.9
3 22	11 45.55	+14 11.2	1.611	2.584	6.0	20.0
4 1	11 36.35	+14 48.2	1.655	2.594	9.5	20.2
4 11	11 28.82	+15 3.8	1.724	2.603	13.0	20.4
4 21	11 23.58	+14 58.1	1.814	2.612	16.1	20.7

452502 2004 RT_{52} 3 17.6 95°.91 0°.2/17.5 18

2 11	12 20.15	− 0 8.1	1.575	2.391	16.4	21.5
2 21	12 14.28	+ 0 9.5	1.515	2.413	12.4	21.3
3 2	12 5.87	+ 0 40.6	1.478	2.434	7.8	21.0
3 12	11 55.80	+ 1 20.1	1.466	2.455	2.8	20.8
3 22	11 45.26	+ 2 1.7	1.483	2.476	2.3	20.8
4 1	11 35.50	+ 2 38.5	1.527	2.496	7.2	21.1
4 11	11 27.57	+ 3 5.0	1.597	2.516	11.5	21.4
4 21	11 22.12	+ 3 18.2	1.689	2.535	15.1	21.7

313756 2003 WA_{29} 3 17.7 153°.40 3°.0/20.5 18

2 11	12 16.19	− 9 24.2	1.942	2.718	15.3	21.4
2 21	12 11.14	− 9 22.1	1.858	2.725	12.2	21.2
3 2	12 3.89	− 9 1.3	1.797	2.731	8.5	20.9
3 12	11 55.12	− 8 23.7	1.761	2.737	4.8	20.7
3 22	11 45.74	− 7 33.0	1.753	2.743	3.1	20.6
4 1	11 36.78	− 6 35.3	1.774	2.747	5.9	20.8
4 11	11 29.20	− 5 37.7	1.822	2.752	9.6	21.0
4 21	11 23.66	− 4 46.4	1.895	2.755	13.0	21.3

147364 2003 CD_{11} 3 17.7 63°.22 0°.8/18.4 18

2 11	12 12.75	− 5 2.6	1.574	2.388	16.6	19.8
2 21	12 8.71	− 4 15.1	1.516	2.411	12.7	19.6
3 2	12 2.36	− 3 7.9	1.480	2.434	8.1	19.4
3 12	11 54.53	− 1 46.9	1.469	2.457	3.3	19.1
3 22	11 46.26	− 0 20.2	1.486	2.480	2.0	19.1
4 1	11 38.66	+ 1 2.8	1.530	2.503	6.6	19.4
4 11	11 32.70	+ 2 14.0	1.600	2.526	10.9	19.7
4 21	11 28.93	+ 3 8.4	1.692	2.550	14.5	20.0

283921 2004 HH_{53} 3 17.7 22°.53 2°.5/20.5 17

2 11	12 9.41	− 9 16.9	2.083	2.867	14.1	20.6
2 21	12 5.90	− 8 59.6	1.998	2.870	11.2	20.4
3 2	12 0.53	− 8 24.1	1.935	2.873	7.8	20.2
3 12	11 53.88	− 7 32.6	1.898	2.876	4.3	20.0
3 22	11 46.72	− 6 29.7	1.889	2.880	2.6	19.9
4 1	11 39.90	− 5 21.5	1.909	2.884	5.3	20.0
4 11	11 34.25	− 4 14.9	1.955	2.888	8.8	20.3
4 21	11 30.31	− 3 15.7	2.026	2.892	12.1	20.5

380856 2006 BZ_{121} 3 17.7 308°.04 0°.8/16.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 10.39	+ 0 1.1	1.779	2.605	14.4	21.1
2 21	12 7.05	+ 0 41.8	1.686	2.591	10.9	20.9
3 2	12 1.48	+ 1 37.6	1.617	2.577	6.9	20.6
3 12	11 54.30	+ 2 43.4	1.573	2.563	2.4	20.3
3 22	11 46.36	+ 3 52.2	1.557	2.549	2.6	20.3
4 1	11 38.72	+ 4 56.3	1.568	2.536	7.2	20.5
4 11	11 32.39	+ 5 48.4	1.605	2.523	11.5	20.7
4 21	11 28.08	+ 6 24.3	1.664	2.510	15.2	20.9

159985 2006 CA_{32} 3 17.7 197°.32 0°.1/17.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 11.22	− 2 34.4	2.051	2.860	13.4	20.5
2 21	12 7.28	− 1 52.3	1.966	2.859	10.2	20.3
3 2	12 1.42	− 0 55.4	1.904	2.859	6.5	20.1
3 12	11 54.21	+ 0 11.9	1.869	2.857	2.4	19.8
3 22	11 46.46	+ 1 23.7	1.862	2.856	1.8	19.8
4 1	11 39.06	+ 2 32.9	1.885	2.855	6.0	20.0
4 11	11 32.83	+ 3 33.2	1.935	2.853	9.8	20.2
4 21	11 28.39	+ 4 20.2	2.008	2.852	13.1	20.5

159306 2006 BA_{81} 3 17.7 204°.58 2°.2/15.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 12.38	+ 5 8.9	2.378	3.199	11.4	20.8
2 21	12 7.92	+ 6 2.8	2.291	3.195	8.5	20.6
3 2	12 1.71	+ 7 4.5	2.231	3.191	5.3	20.4
3 12	11 54.31	+ 8 8.8	2.198	3.186	2.5	20.2
3 22	11 46.41	+ 9 9.8	2.196	3.180	3.4	20.3
4 1	11 38.80	+10 1.9	2.223	3.174	6.6	20.4
4 11	11 32.24	+10 41.1	2.277	3.168	9.8	20.6
4 21	11 27.27	+11 5.0	2.355	3.161	12.6	20.8

456417 2006 UU_{328} 3 17.7 150°.58 6°.0/11.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 18.14	+16 29.2	1.958	2.792	12.9	21.1
2 21	12 12.51	+17 31.2	1.895	2.799	10.0	21.0
3 2	12 4.68	+18 31.8	1.857	2.805	7.3	20.8
3 12	11 55.39	+19 22.7	1.846	2.810	6.0	20.7
3 22	11 45.62	+19 57.2	1.863	2.815	7.3	20.8
4 1	11 36.43	+20 10.8	1.907	2.820	10.1	21.0
4 11	11 28.75	+20 2.3	1.975	2.824	13.0	21.2
4 21	11 23.18	+19 33.2	2.064	2.828	15.5	21.4

299343 2005 SH_{124} 3 17.7 178°.73 1°.4/16.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 12.84	+ 4 50.3	2.668	3.483	10.5	21.3
2 21	12 8.02	+ 5 12.1	2.584	3.484	7.8	21.1
3 2	12 1.66	+ 5 39.5	2.526	3.484	4.9	20.9
3 12	11 54.26	+ 6 8.8	2.496	3.484	2.0	20.7
3 22	11 46.46	+ 6 36.2	2.496	3.484	2.5	20.8
4 1	11 38.96	+ 6 57.8	2.526	3.484	5.5	21.0
4 11	11 32.42	+ 7 10.8	2.584	3.484	8.4	21.2
4 21	11 27.31	+ 7 13.5	2.667	3.484	11.0	21.3

109031 2001 QZ_{10} 3 17.7 144°.54 3°.4/20.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 17.95	− 9 53.2	2.184	2.946	14.2	20.3
2 21	12 12.23	−10 10.5	2.099	2.956	11.4	20.2
3 2	12 4.49	−10 11.7	2.037	2.965	8.1	20.0
3 12	11 55.34	− 9 57.9	2.002	2.974	4.9	19.8
3 22	11 45.64	− 9 31.4	1.996	2.982	3.4	19.7
4 1	11 36.33	− 8 56.6	2.020	2.990	5.6	19.9
4 11	11 28.30	− 8 19.0	2.071	2.997	8.8	20.1
4 21	11 22.15	− 7 43.9	2.147	3.003	11.9	20.3

244861 2003 UK_{196} 3 17.7 184°.91 2°.6/20.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 14.32	− 9 20.4	1.934	2.714	15.2	20.9
2 21	12 9.80	− 9 0.7	1.845	2.715	12.1	20.7
3 2	12 3.10	− 8 21.0	1.777	2.714	8.4	20.5
3 12	11 54.87	− 7 23.5	1.735	2.714	4.5	20.3
3 22	11 45.98	− 6 12.9	1.721	2.712	2.7	20.1
4 1	11 37.46	− 4 56.4	1.736	2.711	5.9	20.3
4 11	11 30.26	− 3 41.9	1.779	2.708	9.8	20.6
4 21	11 25.05	− 2 36.0	1.845	2.705	13.4	20.8

199057 2005 XT_{1} 3 17.7 230°.49 0°.8/16.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 17.65	+ 0 21.4	1.767	2.582	15.0	21.3
2 21	12 12.63	+ 0 55.5	1.671	2.569	11.5	21.1
3 2	12 5.08	+ 1 43.9	1.598	2.556	7.3	20.8
3 12	11 55.66	+ 2 42.0	1.552	2.542	2.6	20.5
3 22	11 45.34	+ 3 42.8	1.535	2.527	2.6	20.4
4 1	11 35.32	+ 4 38.9	1.546	2.511	7.5	20.7
4 11	11 26.74	+ 5 23.4	1.583	2.495	12.0	20.9
4 21	11 20.43	+ 5 52.0	1.642	2.478	15.9	21.1

337785 2001 UG_{192} 3 17.7 106°.93 5°.6/24.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 12.38	−19 57.0	2.561	3.266	13.7	20.5
2 21	12 7.85	−20 14.7	2.477	3.280	11.6	20.4
3 2	12 1.62	−20 12.8	2.413	3.294	9.3	20.2
3 12	11 54.27	−19 51.0	2.374	3.307	7.0	20.1
3 22	11 46.47	−19 11.0	2.363	3.320	5.7	20.0
4 1	11 39.01	−18 16.6	2.379	3.333	6.1	20.1
4 11	11 32.59	−17 13.4	2.423	3.345	7.9	20.2
4 21	11 27.74	−16 7.6	2.493	3.358	10.2	20.4

279715 2011 GD_{55} 3 17.7 248°.78 2°.1/15.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 11.76	+ 4 3.5	2.078	2.905	12.6	20.8
2 21	12 7.71	+ 4 55.0	1.992	2.898	9.4	20.5
3 2	12 1.70	+ 5 56.2	1.930	2.891	5.9	20.3
3 12	11 54.34	+ 7 1.6	1.896	2.884	2.5	20.1
3 22	11 46.40	+ 8 4.6	1.891	2.877	3.4	20.1
4 1	11 38.78	+ 8 58.7	1.914	2.870	7.1	20.3
4 11	11 32.33	+ 9 39.1	1.963	2.862	10.7	20.5
4 21	11 27.65	+10 2.9	2.035	2.855	13.8	20.7

413849 2006 SL_{361} 3 17.7 117°.87 1°.9/19.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 13.20	− 8 20.7	1.931	2.717	15.0	21.8
2 21	12 8.80	− 7 41.8	1.855	2.731	11.7	21.6
3 2	12 2.36	− 6 43.2	1.802	2.745	7.9	21.4
3 12	11 54.55	− 5 28.5	1.776	2.758	3.9	21.2
3 22	11 46.27	− 4 4.0	1.778	2.771	2.1	21.1
4 1	11 38.46	− 2 37.4	1.809	2.783	5.7	21.4
4 11	11 32.00	− 1 16.8	1.867	2.795	9.5	21.6
4 21	11 27.47	− 0 8.0	1.950	2.806	12.9	21.9

109602 2001 QN_{282} 3 17.7 112°.49 0°.2/17.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 11.25	− 3 35.1	1.904	2.714	14.3	19.2
2 21	12 7.36	− 2 25.7	1.829	2.724	10.8	19.0
3 2	12 1.47	− 0 58.7	1.778	2.734	6.8	18.7
3 12	11 54.23	+ 0 40.0	1.755	2.744	2.5	18.5
3 22	11 46.51	+ 2 22.3	1.760	2.753	2.0	18.5
4 1	11 39.23	+ 3 59.3	1.795	2.763	6.4	18.8
4 11	11 33.26	+ 5 23.5	1.856	2.772	10.3	19.0
4 21	11 29.18	+ 6 30.0	1.941	2.781	13.7	19.2

20658 Bushmarinov 3 17.7 271°.89 4°.0/20.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 14.89	− 9 59.2	1.668	2.455	16.9	18.8
2 21	12 10.74	−10 14.7	1.572	2.443	13.7	18.5
3 2	12 3.99	−10 9.6	1.496	2.430	9.9	18.2
3 12	11 55.29	− 9 44.0	1.444	2.418	5.9	18.0
3 22	11 45.62	− 9 1.0	1.418	2.406	4.0	17.8
4 1	11 36.21	− 8 6.4	1.419	2.393	6.9	18.0
4 11	11 28.28	− 7 8.6	1.446	2.381	11.2	18.2
4 21	11 22.69	− 6 15.4	1.495	2.368	15.2	18.4

236124 2005 SZ_{190} 3 17.7 105°.00 1°.0/18.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 16.01	− 6 13.2	1.571	2.375	17.0	20.9
2 21	12 11.23	− 5 17.8	1.508	2.397	13.1	20.7
3 2	12 4.00	− 4 0.5	1.467	2.418	8.5	20.4
3 12	11 55.16	− 2 27.2	1.451	2.438	3.5	20.2
3 22	11 45.83	− 0 46.9	1.464	2.458	2.0	20.1
4 1	11 37.20	+ 0 50.2	1.504	2.477	6.8	20.5
4 11	11 30.29	+ 2 14.9	1.571	2.495	11.2	20.8
4 21	11 25.72	+ 3 21.4	1.661	2.513	15.0	21.0

62017 2000 RR_{42} 3 17.7 214°.05 1°.9/19.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 13.59	− 6 24.0	2.761	3.534	11.3	19.8
2 21	12 8.63	− 6 29.7	2.661	3.529	8.9	19.7
3 2	12 2.09	− 6 24.2	2.585	3.523	6.1	19.5
3 12	11 54.45	− 6 9.0	2.538	3.517	3.2	19.3
3 22	11 46.33	− 5 46.3	2.520	3.511	2.0	19.2
4 1	11 38.41	− 5 19.6	2.532	3.504	4.5	19.3
4 11	11 31.39	− 4 52.8	2.574	3.497	7.4	19.5
4 21	11 25.77	− 4 29.4	2.641	3.490	10.2	19.7

56267 1999 JW_{97} 3 17.7 244°.06 3°.7/12.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 10.03	+11 4.6	2.706	3.538	9.9	19.9
2 21	12 6.04	+12 23.0	2.616	3.523	7.4	19.8
3 2	12 0.50	+13 45.8	2.552	3.508	5.0	19.6
3 12	11 53.88	+15 7.1	2.518	3.493	3.7	19.5
3 22	11 46.78	+16 20.7	2.514	3.477	5.0	19.5
4 1	11 39.87	+17 21.5	2.539	3.461	7.5	19.7
4 11	11 33.83	+18 5.8	2.591	3.444	10.1	19.8
4 21	11 29.17	+18 32.2	2.665	3.428	12.4	19.9

231333 2006 DO_{179} 3 17.7 131°.61 0°.8/16.9 18 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 14.20	+ 1 29.2	2.104	2.919	12.9	20.8
2 21	12 9.42	+ 1 55.0	2.026	2.925	9.7	20.6
3 2	12 2.70	+ 2 30.6	1.973	2.930	6.1	20.4
3 12	11 54.69	+ 3 11.7	1.946	2.936	2.2	20.1
3 22	11 46.19	+ 3 53.3	1.949	2.941	2.2	20.1
4 1	11 38.10	+ 4 29.9	1.981	2.946	6.1	20.4
4 11	11 31.26	+ 4 57.3	2.040	2.951	9.7	20.6
4 21	11 26.21	+ 5 12.6	2.122	2.956	12.9	20.8

214064 2004 FR_{99} 3 17.7 342°.20 0°.7/16.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 8.00	− 0 55.4	1.867	2.692	13.8	20.4
2 21	12 5.08	− 0 4.5	1.782	2.686	10.5	20.2
3 2	12 0.14	+ 1 1.7	1.720	2.680	6.6	19.9
3 12	11 53.80	+ 2 18.0	1.684	2.674	2.3	19.6
3 22	11 46.86	+ 3 37.3	1.676	2.669	2.4	19.6
4 1	11 40.25	+ 4 51.6	1.696	2.664	6.7	19.9
4 11	11 34.88	+ 5 54.0	1.742	2.660	10.7	20.1
4 21	11 31.34	+ 6 40.0	1.810	2.657	14.2	20.3

64279 2001 TF_{233} 3 17.7 82°.41 3°.8/13.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 10.71	+10 11.4	2.225	3.062	11.5	19.1
2 21	12 6.70	+11 19.7	2.158	3.068	8.6	18.9
3 2	12 0.94	+12 32.0	2.116	3.075	5.6	18.7
3 12	11 54.03	+13 41.6	2.103	3.081	3.9	18.6
3 22	11 46.71	+14 42.0	2.118	3.088	5.1	18.7
4 1	11 39.78	+15 28.0	2.161	3.094	7.9	18.9
4 11	11 33.99	+15 56.4	2.230	3.101	10.8	19.1
4 21	11 29.85	+16 6.3	2.320	3.107	13.4	19.3

151547 2002 SF_{54} 3 17.7 184°.91 2°.8/19.8 18

2 11	12 18.96	− 7 10.7	1.616	2.409	17.1	21.1
2 21	12 13.75	− 7 15.9	1.531	2.409	13.6	20.8
3 2	12 5.83	− 7 1.7	1.467	2.409	9.3	20.6
3 12	11 55.95	− 6 29.7	1.428	2.409	4.9	20.3
3 22	11 45.20	− 5 44.3	1.416	2.407	3.0	20.2
4 1	11 34.90	− 4 52.3	1.431	2.406	6.9	20.4
4 11	11 26.28	− 4 1.8	1.473	2.403	11.4	20.6
4 21	11 20.15	− 3 19.6	1.538	2.400	15.4	20.9

450976 2008 SN_{4} 3 17.7 113°.39 3°.5/14.9 18

2 11	12 19.77	+ 7 20.3	1.532	2.367	15.9	21.3
2 21	12 14.16	+ 8 7.5	1.471	2.381	11.9	21.0
3 2	12 5.90	+ 9 2.1	1.434	2.395	7.5	20.8
3 12	11 55.89	+ 9 56.0	1.422	2.408	3.8	20.6
3 22	11 45.34	+10 41.1	1.438	2.421	5.1	20.7
4 1	11 35.54	+11 10.7	1.481	2.433	9.2	21.0
4 11	11 27.62	+11 21.0	1.549	2.445	13.2	21.3
4 21	11 22.24	+11 11.9	1.637	2.457	16.7	21.5

399054 2013 QP_{59} 3 17.7 118°.25 0°.4/17.2 16

2 11	12 14.98	+ 0 7.5	2.176	2.984	12.8	22.0
2 21	12 9.87	+ 0 35.8	2.105	2.999	9.6	21.8
3 2	12 2.91	+ 1 14.6	2.058	3.014	6.0	21.6
3 12	11 54.75	+ 1 59.6	2.039	3.028	2.1	21.4
3 22	11 46.19	+ 2 45.8	2.049	3.042	1.9	21.4
4 1	11 38.08	+ 3 27.9	2.089	3.055	5.8	21.7
4 11	11 31.21	+ 4 1.5	2.156	3.068	9.3	21.9
4 21	11 26.11	+ 4 23.7	2.248	3.081	12.3	22.1

276109 2002 GL_{5} 3 17.7 259°.59 0°.5/17.3 17

2 11	12 19.54	− 0 4.6	1.626	2.442	16.0	20.3
2 21	12 14.52	+ 0 20.9	1.518	2.416	12.4	20.0
3 2	12 6.60	+ 1 2.3	1.432	2.389	8.0	19.6
3 12	11 56.36	+ 1 55.6	1.372	2.361	2.9	19.3
3 22	11 44.83	+ 2 54.1	1.340	2.333	2.7	19.2
4 1	11 33.38	+ 3 49.5	1.335	2.303	8.2	19.4
4 11	11 23.42	+ 4 33.8	1.356	2.272	13.3	19.6
4 21	11 15.99	+ 5 1.8	1.399	2.240	17.9	19.8

62481 2000 SC_{221} 3 17.7 145°.85 8°.5/ 6.3 18

2 11	12 16.69	+30 54.6	2.580	3.392	10.9	19.4
2 21	12 11.07	+32 2.5	2.532	3.395	9.4	19.3
3 2	12 3.62	+32 59.2	2.508	3.399	8.5	19.2
3 12	11 55.00	+33 37.9	2.511	3.402	8.6	19.2
3 22	11 46.03	+33 54.2	2.539	3.405	9.6	19.3
4 1	11 37.59	+33 45.9	2.592	3.408	11.1	19.4
4 11	11 30.45	+33 14.0	2.667	3.411	12.8	19.5
4 21	11 25.10	+32 21.4	2.761	3.414	14.3	19.7

249255 2008 SC_{35} 3 17.7 196°.72 0°.3/17.9 17

2 11	12 11.75	− 2 49.5	2.196	2.999	12.8	20.6
2 21	12 7.59	− 2 14.2	2.107	2.998	9.8	20.4
3 2	12 1.58	− 1 25.2	2.043	2.996	6.3	20.2
3 12	11 54.31	− 0 26.3	2.006	2.994	2.4	20.0
3 22	11 46.51	+ 0 37.3	1.998	2.992	1.6	19.9
4 1	11 39.02	+ 1 39.3	2.019	2.990	5.6	20.2
4 11	11 32.65	+ 2 34.1	2.068	2.987	9.2	20.4
4 21	11 27.96	+ 3 17.3	2.141	2.984	12.4	20.6

343113 2009 DB_{128} 3 17.7 91°.41 1°.8/19.7 17 R

2 11	12 12.82	− 6 22.9	2.314	3.098	12.8	21.0
2 21	12 8.22	− 6 17.9	2.236	3.111	10.0	20.9
3 2	12 1.88	− 5 59.2	2.181	3.123	6.8	20.7
3 12	11 54.39	− 5 29.2	2.153	3.135	3.4	20.5
3 22	11 46.47	− 4 51.4	2.154	3.146	2.0	20.4
4 1	11 38.94	− 4 10.4	2.185	3.158	4.9	20.6
4 11	11 32.52	− 3 31.2	2.243	3.170	8.2	20.8
4 21	11 27.74	− 2 58.1	2.326	3.181	11.1	21.0

487640 2015 OY_{22} 3 17.7 322°.31 17°.2/28.7 18

2 11	12 19.73	−29 34.5	1.227	1.929	26.1	20.8
2 21	12 16.00	−32 4.8	1.151	1.925	23.9	20.5
3 2	12 8.27	−34 2.7	1.089	1.922	21.4	20.3
3 12	11 57.17	−35 16.2	1.043	1.919	19.1	20.2
3 22	11 44.14	−35 36.6	1.014	1.916	17.5	20.1
4 1	11 31.31	−35 2.3	1.005	1.913	17.3	20.0
4 11	11 20.88	−33 42.6	1.014	1.911	18.5	20.1
4 21	11 14.31	−31 53.6	1.040	1.909	20.7	20.2

347712 2001 XY_{60} 3 17.7 142°.58 7°.4/ 6.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 14.53	+27 55.7	2.766	3.584	10.0	21.2
2 21	12 9.32	+29 11.2	2.719	3.593	8.5	21.1
3 2	12 2.47	+30 18.1	2.699	3.601	7.5	21.1
3 12	11 54.58	+31 9.9	2.705	3.609	7.5	21.1
3 22	11 46.36	+31 42.1	2.738	3.617	8.5	21.2
4 1	11 38.59	+31 52.4	2.796	3.624	10.1	21.3
4 11	11 31.94	+31 40.8	2.878	3.631	11.7	21.4
4 21	11 26.88	+31 9.4	2.978	3.638	13.2	21.5

471295 2011 GK_{74} 3 17.7 281°.55 2°.9/14.8 17

2 11	12 12.57	+ 6 43.0	1.971	2.804	12.9	21.3
2 21	12 8.42	+ 7 31.3	1.889	2.799	9.7	21.0
3 2	12 2.21	+ 8 27.3	1.832	2.793	6.1	20.8
3 12	11 54.57	+ 9 24.6	1.801	2.787	3.1	20.6
3 22	11 46.33	+10 16.6	1.799	2.782	4.2	20.7
4 1	11 38.46	+10 57.1	1.825	2.776	7.8	20.9
4 11	11 31.86	+11 21.9	1.876	2.771	11.4	21.1
4 21	11 27.16	+11 29.1	1.949	2.765	14.5	21.3

148948 2001 XQ_{154} 3 17.7 227°.74 2°.8/14.5 17

2 11	12 14.49	+ 7 7.7	2.292	3.116	11.7	20.6
2 21	12 9.65	+ 8 1.0	2.200	3.104	8.8	20.4
3 2	12 2.91	+ 9 1.1	2.132	3.091	5.6	20.1
3 12	11 54.82	+10 2.5	2.093	3.078	3.0	20.0
3 22	11 46.13	+10 59.1	2.084	3.064	4.1	20.0
4 1	11 37.70	+11 45.1	2.104	3.050	7.3	20.2
4 11	11 30.36	+12 16.4	2.151	3.035	10.6	20.3
4 21	11 24.73	+12 31.1	2.221	3.019	13.5	20.5

255646 2006 QF_{18} 3 17.7 229°.08 2°.8/15.3 16

2 11	12 17.39	+ 6 27.4	1.800	2.629	14.1	21.3
2 21	12 12.29	+ 7 2.6	1.715	2.622	10.7	21.0
3 2	12 4.78	+ 7 45.6	1.654	2.615	6.7	20.8
3 12	11 55.55	+ 8 30.3	1.620	2.607	3.2	20.5
3 22	11 45.59	+ 9 9.9	1.614	2.599	4.2	20.6
4 1	11 36.04	+ 9 38.2	1.636	2.591	8.2	20.8
4 11	11 27.96	+ 9 50.9	1.684	2.582	12.2	21.0
4 21	11 22.10	+ 9 46.4	1.753	2.573	15.7	21.2

308333 2005 NY_{75} 3 17.7 296°.93 1°.4/19.1 16

2 11	12 12.29	− 5 5.9	2.176	2.971	13.2	21.6
2 21	12 8.33	− 4 53.7	2.053	2.936	10.4	21.4
3 2	12 2.30	− 4 26.4	1.953	2.900	7.0	21.1
3 12	11 54.69	− 3 45.9	1.880	2.864	3.3	20.8
3 22	11 46.19	− 2 56.0	1.835	2.828	1.9	20.6
4 1	11 37.72	− 2 1.9	1.818	2.792	5.8	20.8
4 11	11 30.22	− 1 9.9	1.830	2.755	9.8	21.0
4 21	11 24.45	− 0 25.6	1.865	2.719	13.5	21.1

327087 2004 XH_{1} 3 17.7 248°.68 1°.4/16.1 16

2 11	12 16.95	+ 4 8.0	2.743	3.546	10.5	22.4
2 21	12 11.31	+ 4 38.5	2.626	3.520	8.0	22.2
3 2	12 3.91	+ 5 15.9	2.537	3.493	5.0	22.0
3 12	11 55.21	+ 5 56.8	2.476	3.465	2.0	21.7
3 22	11 45.86	+ 6 36.8	2.448	3.436	2.5	21.7
4 1	11 36.62	+ 7 11.5	2.450	3.406	5.8	21.9
4 11	11 28.24	+ 7 37.1	2.481	3.375	9.0	22.0
4 21	11 21.33	+ 7 51.4	2.538	3.343	11.9	22.2

426482 2013 RH_{17} 3 17.7 193°.33 2°.9/20.9 17

2 11	12 14.09	−10 35.9	2.411	3.171	13.1	22.3
2 21	12 9.26	−10 27.1	2.313	3.169	10.5	22.1
3 2	12 2.63	−10 1.7	2.238	3.166	7.5	21.9
3 12	11 54.73	− 9 21.1	2.190	3.163	4.4	21.7
3 22	11 46.27	− 8 28.6	2.171	3.159	2.9	21.6
4 1	11 38.07	− 7 28.9	2.182	3.154	5.1	21.7
4 11	11 30.93	− 6 28.2	2.222	3.149	8.2	21.9
4 21	11 25.41	− 5 31.7	2.287	3.143	11.3	22.1

284085 2005 JS_{163} 3 17.7 339°.57 5°.9/11.0 17

2 11	12 11.68	+15 47.0	2.016	2.861	12.2	20.3
2 21	12 7.71	+17 2.3	1.948	2.858	9.4	20.2
3 2	12 1.74	+18 17.8	1.905	2.855	6.9	20.0
3 12	11 54.40	+19 25.4	1.889	2.853	5.9	19.9
3 22	11 46.54	+20 17.8	1.900	2.851	7.3	20.0
4 1	11 39.11	+20 49.6	1.938	2.849	10.0	20.2
4 11	11 32.96	+20 58.7	1.999	2.847	12.8	20.3
4 21	11 28.68	+20 45.6	2.081	2.846	15.4	20.5

222507 2001 TV_{15} 3 17.7 34°.82 10°.6/ 9.8 18

2 11	12 25.28	+28 9.8	1.656	2.481	15.3	19.4
2 21	12 18.37	+29 3.9	1.603	2.484	12.9	19.3
3 2	12 8.56	+29 43.8	1.572	2.487	11.1	19.2
3 12	11 56.89	+29 59.3	1.566	2.490	10.6	19.1
3 22	11 44.75	+29 43.7	1.585	2.494	11.8	19.2
4 1	11 33.59	+28 55.4	1.628	2.498	14.0	19.3
4 11	11 24.61	+27 37.6	1.693	2.502	16.5	19.5
4 21	11 18.46	+25 56.6	1.777	2.506	18.9	19.7

106970 2000 YU_{89} 3 17.7 130°.45 0°.4/17.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 16.28	− 1 4.2	1.866	2.676	14.5	20.6
2 21	12 11.18	− 0 23.8	1.795	2.690	11.0	20.4
3 2	12 3.90	+ 0 30.5	1.747	2.703	6.9	20.2
3 12	11 55.19	+ 1 33.6	1.726	2.716	2.5	19.9
3 22	11 45.98	+ 2 38.7	1.735	2.728	2.2	19.9
4 1	11 37.29	+ 3 38.8	1.772	2.739	6.5	20.2
4 11	11 30.06	+ 4 28.0	1.836	2.750	10.5	20.5
4 21	11 24.89	+ 5 2.5	1.923	2.760	13.9	20.7

35859 1999 JN_{66} 3 17.7 223°.18 0°.7/16.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 16.02	+ 0 2.8	2.009	2.819	13.6	19.3
2 21	12 11.10	+ 0 42.7	1.912	2.808	10.4	19.1
3 2	12 3.99	+ 1 35.9	1.840	2.796	6.6	18.9
3 12	11 55.29	+ 2 37.9	1.794	2.784	2.3	18.6
3 22	11 45.85	+ 3 42.5	1.778	2.770	2.4	18.5
4 1	11 36.67	+ 4 42.7	1.791	2.756	6.7	18.8
4 11	11 28.75	+ 5 32.5	1.831	2.741	10.8	19.0
4 21	11 22.79	+ 6 7.7	1.895	2.725	14.3	19.2

282480 2004 KW_{10} 3 17.7 296°.09 1°.1/16.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 8.83	+ 0 43.2	2.241	3.061	12.0	20.2
2 21	12 5.39	+ 1 39.3	2.152	3.054	9.1	20.0
3 2	12 0.22	+ 2 47.4	2.087	3.047	5.6	19.8
3 12	11 53.85	+ 4 2.5	2.050	3.040	2.0	19.5
3 22	11 46.96	+ 5 18.6	2.042	3.033	2.5	19.5
4 1	11 40.35	+ 6 28.9	2.064	3.026	6.2	19.8
4 11	11 34.77	+ 7 28.0	2.112	3.020	9.6	20.0
4 21	11 30.76	+ 8 12.2	2.184	3.013	12.7	20.1

250247 2003 AA_{38} 3 17.7 128°.26 4°.0/12.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 14.38	+ 9 26.7	2.106	2.938	12.3	19.9
2 21	12 9.50	+10 51.8	2.045	2.953	9.1	19.7
3 2	12 2.74	+12 21.7	2.011	2.969	6.0	19.5
3 12	11 54.74	+13 48.6	2.005	2.983	4.0	19.5
3 22	11 46.33	+15 5.1	2.028	2.997	5.4	19.6
4 1	11 38.42	+16 4.9	2.080	3.010	8.3	19.8
4 11	11 31.79	+16 44.7	2.157	3.023	11.3	20.0
4 21	11 26.98	+17 3.9	2.257	3.035	14.0	20.2

133620 2003 UU_{119} 3 17.7 170°.87 6°.2/10.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 17.77	+18 31.5	2.344	3.172	11.3	20.8
2 21	12 12.00	+19 56.4	2.281	3.177	8.9	20.6
3 2	12 4.31	+21 19.2	2.244	3.182	6.8	20.5
3 12	11 55.33	+22 31.8	2.235	3.186	6.2	20.4
3 22	11 45.88	+23 27.8	2.256	3.189	7.5	20.5
4 1	11 36.88	+24 2.5	2.304	3.191	9.7	20.7
4 11	11 29.15	+24 14.7	2.377	3.192	12.2	20.8
4 21	11 23.24	+24 5.5	2.470	3.192	14.3	21.0

156954 2003 HP_{12} 3 17.7 258°.76 1°.3/19.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 10.94	− 6 20.8	1.979	2.776	14.2	20.2
2 21	12 7.28	− 5 42.9	1.882	2.766	11.1	20.0
3 2	12 1.58	− 4 46.2	1.808	2.756	7.4	19.7
3 12	11 54.40	− 3 34.0	1.760	2.745	3.4	19.5
3 22	11 46.54	− 2 12.0	1.741	2.735	1.8	19.3
4 1	11 38.96	− 0 47.9	1.750	2.724	5.9	19.6
4 11	11 32.57	+ 0 30.6	1.787	2.713	9.9	19.8
4 21	11 28.03	+ 1 37.1	1.847	2.702	13.6	20.0

313072 2000 SE_{233} 3 17.7 114°.92 7°.0/24.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 12.24	−23 11.9	1.187	1.942	24.2	20.8
2 21	12 9.47	−22 13.7	1.110	1.950	20.5	20.6
3 2	12 3.47	−20 24.1	1.049	1.958	15.9	20.3
3 12	11 55.19	−17 42.6	1.009	1.966	10.9	20.1
3 22	11 46.00	−14 18.1	0.993	1.973	7.3	19.9
4 1	11 37.56	−10 30.3	1.004	1.981	8.5	20.0
4 11	11 31.31	− 6 44.1	1.040	1.988	13.1	20.2
4 21	11 28.06	− 3 20.9	1.101	1.994	17.9	20.5

207720 2007 RA_{138} 3 17.7 258°.81 1°.4/18.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 15.05	− 4 51.7	1.652	2.459	16.2	20.9
2 21	12 10.89	− 4 34.7	1.554	2.444	12.7	20.6
3 2	12 4.14	− 3 58.7	1.478	2.429	8.5	20.4
3 12	11 55.44	− 3 6.3	1.427	2.413	3.8	20.0
3 22	11 45.75	− 2 3.3	1.404	2.398	2.2	19.9
4 1	11 36.33	− 0 57.3	1.407	2.381	7.0	20.1
4 11	11 28.37	+ 0 3.0	1.436	2.365	11.8	20.4
4 21	11 22.75	+ 0 51.0	1.488	2.348	16.0	20.6

322839 2001 TX_{86} 3 17.7 253°.42 3°.0/20.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 11.59	−10 11.0	1.808	2.594	15.8	20.5
2 21	12 7.93	− 9 51.3	1.720	2.592	12.7	20.3
3 2	12 2.04	− 9 9.5	1.653	2.590	8.9	20.1
3 12	11 54.58	− 8 7.8	1.611	2.588	5.0	19.8
3 22	11 46.44	− 6 51.4	1.596	2.587	3.0	19.7
4 1	11 38.67	− 5 27.8	1.609	2.585	6.1	19.9
4 11	11 32.25	− 4 6.0	1.648	2.583	10.1	20.1
4 21	11 27.87	− 2 53.3	1.711	2.581	13.8	20.3

345087 2005 LA_{39} 3 17.7 234°.73 3°.7/22.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 9.77	−14 53.5	2.591	3.332	12.7	21.5
2 21	12 5.97	−14 35.9	2.485	3.324	10.5	21.4
3 2	12 0.54	−13 59.6	2.402	3.315	7.8	21.2
3 12	11 53.98	−13 5.5	2.345	3.306	5.2	21.0
3 22	11 46.91	−11 56.6	2.316	3.296	3.7	20.9
4 1	11 40.04	−10 37.8	2.316	3.287	5.0	20.9
4 11	11 34.10	− 9 15.3	2.346	3.277	7.7	21.1
4 21	11 29.59	− 7 55.4	2.401	3.267	10.5	21.2

190427 1999 VV_{150} 3 17.7 162°.80 0°.8/16.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 14.09	+ 1 26.9	2.206	3.019	12.5	20.7
2 21	12 9.31	+ 1 53.3	2.124	3.022	9.4	20.5
3 2	12 2.66	+ 2 29.2	2.067	3.024	5.9	20.2
3 12	11 54.75	+ 3 10.5	2.037	3.027	2.1	20.0
3 22	11 46.35	+ 3 52.5	2.037	3.029	2.2	20.0
4 1	11 38.31	+ 4 29.8	2.066	3.031	5.9	20.3
4 11	11 31.44	+ 4 58.2	2.122	3.032	9.5	20.5
4 21	11 26.29	+ 5 15.0	2.202	3.033	12.5	20.7

465192 2007 HF_{20} 3 17.7 5°.00 2°.0/19.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 9.93	− 6 59.9	1.601	2.411	16.5	20.7
2 21	12 6.86	− 6 37.4	1.521	2.411	12.9	20.5
3 2	12 1.44	− 5 53.5	1.462	2.411	8.7	20.2
3 12	11 54.37	− 4 51.6	1.428	2.412	4.2	20.0
3 22	11 46.62	− 3 37.9	1.420	2.414	2.3	19.8
4 1	11 39.30	− 2 21.1	1.439	2.416	6.5	20.1
4 11	11 33.46	− 1 10.0	1.483	2.418	10.9	20.4
4 21	11 29.81	− 0 11.5	1.549	2.421	14.8	20.6

16848 1997 XN_{12} 3 17.7 192°.35 2°.1/19.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 16.04	− 7 43.9	1.965	2.748	14.9	19.7
2 21	12 11.12	− 7 24.3	1.873	2.746	11.7	19.5
3 2	12 4.00	− 6 46.2	1.803	2.744	8.0	19.2
3 12	11 55.30	− 5 52.0	1.760	2.741	4.1	19.0
3 22	11 45.91	− 4 46.4	1.745	2.737	2.3	18.9
4 1	11 36.87	− 3 36.4	1.759	2.733	5.9	19.1
4 11	11 29.14	− 2 29.3	1.801	2.728	9.9	19.3
4 21	11 23.42	− 1 31.4	1.867	2.722	13.5	19.5

120966 1998 VT_{29} 3 17.7 63°.42 2°.5/19.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 20.45	− 6 49.3	1.243	2.054	20.3	19.1
2 21	12 14.92	− 6 42.6	1.199	2.088	15.7	18.9
3 2	12 6.43	− 6 12.3	1.174	2.122	10.5	18.7
3 12	11 56.12	− 5 22.8	1.173	2.157	5.1	18.5
3 22	11 45.42	− 4 22.0	1.197	2.190	2.9	18.5
4 1	11 35.83	− 3 19.4	1.248	2.224	7.4	18.9
4 11	11 28.51	− 2 24.3	1.323	2.257	12.0	19.2
4 21	11 24.05	− 1 42.6	1.420	2.290	16.0	19.5

121901 2000 DT_{44} 3 17.7 83°.05 1°.7/19.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 11.47	− 6 13.2	2.693	3.472	11.4	19.8
2 21	12 7.05	− 6 14.7	2.605	3.477	8.9	19.6
3 2	12 1.12	− 6 4.7	2.541	3.481	6.1	19.4
3 12	11 54.17	− 5 44.9	2.505	3.485	3.1	19.2
3 22	11 46.82	− 5 18.2	2.498	3.490	1.9	19.1
4 1	11 39.73	− 4 48.1	2.521	3.494	4.4	19.3
4 11	11 33.57	− 4 18.6	2.573	3.499	7.3	19.5
4 21	11 28.79	− 3 53.2	2.650	3.503	10.0	19.7

42435 2164 $T\text{-}_3$ 3 17.7 79°.66 2°.3/20.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 12.46	− 9 0.3	1.898	2.684	15.2	19.2
2 21	12 8.27	− 8 31.5	1.829	2.703	11.9	19.0
3 2	12 2.06	− 7 43.0	1.781	2.722	8.2	18.8
3 12	11 54.54	− 6 38.2	1.760	2.740	4.3	18.6
3 22	11 46.56	− 5 22.8	1.767	2.759	2.4	18.5
4 1	11 39.11	− 4 4.4	1.802	2.777	5.6	18.7
4 11	11 33.02	− 2 50.4	1.864	2.795	9.3	19.0
4 21	11 28.84	− 1 46.9	1.951	2.813	12.6	19.2

412666 2014 OT_{196} 3 17.7 255°.33 1°.9/19.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 15.64	− 5 42.2	1.640	2.443	16.5	21.4
2 21	12 11.34	− 5 36.0	1.545	2.432	13.0	21.1
3 2	12 4.43	− 5 10.9	1.471	2.419	8.8	20.9
3 12	11 55.55	− 4 29.1	1.423	2.407	4.2	20.6
3 22	11 45.72	− 3 35.4	1.401	2.394	2.4	20.4
4 1	11 36.17	− 2 37.2	1.406	2.381	6.9	20.6
4 11	11 28.14	− 1 42.7	1.438	2.368	11.6	20.9
4 21	11 22.47	− 0 58.5	1.491	2.355	15.8	21.1

474041 2016 GL_{225} 3 17.7 285°.79 1°.2/16.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 14.36	+ 2 3.3	1.826	2.650	14.2	21.1
2 21	12 10.15	+ 2 29.0	1.725	2.628	10.8	20.9
3 2	12 3.57	+ 3 6.6	1.647	2.607	6.8	20.6
3 12	11 55.22	+ 3 51.5	1.595	2.585	2.5	20.3
3 22	11 45.97	+ 4 37.7	1.572	2.563	2.8	20.2
4 1	11 36.93	+ 5 18.6	1.576	2.541	7.4	20.4
4 11	11 29.19	+ 5 48.1	1.605	2.519	11.7	20.6
4 21	11 23.55	+ 6 2.7	1.657	2.497	15.6	20.8

397507 2007 SH_7 3 17.7 140°.97 0°.9/16.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 16.57	+ 0 33.1	1.922	2.735	14.0	21.8
2 21	12 11.36	+ 1 17.4	1.849	2.747	10.6	21.6
3 2	12 4.03	+ 2 14.0	1.801	2.758	6.6	21.4
3 12	11 55.28	+ 3 17.5	1.779	2.769	2.3	21.1
3 22	11 46.01	+ 4 21.3	1.787	2.779	2.5	21.2
4 1	11 37.26	+ 5 18.5	1.824	2.788	6.7	21.4
4 11	11 29.91	+ 6 3.7	1.888	2.797	10.5	21.7
4 21	11 24.59	+ 6 33.6	1.975	2.805	13.8	21.9

99447 2002 CX_{25} 3 17.7 309°.85 6°.4/15.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 30.81	+16 7.8	1.325	2.160	17.9	17.8
2 21	12 24.04	+15 59.5	1.224	2.128	14.2	17.5
3 2	12 13.19	+15 44.8	1.143	2.096	10.0	17.1
3 12	11 59.02	+15 14.0	1.087	2.065	6.7	16.9
3 22	11 43.01	+14 19.4	1.057	2.034	7.7	16.8
4 1	11 27.25	+12 57.1	1.055	2.003	12.4	17.0
4 11	11 13.79	+11 9.3	1.077	1.973	17.6	17.2
4 21	11 3.96	+ 9 2.2	1.119	1.944	22.4	17.4

77569 2001 KN_6 3 17.7 163°.37 1°.3/16.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 12.19	+ 2 35.9	2.343	3.160	11.7	19.7
2 21	12 7.79	+ 3 16.9	2.262	3.163	8.8	19.5
3 2	12 1.67	+ 4 6.7	2.206	3.165	5.4	19.3
3 12	11 54.40	+ 5 0.8	2.178	3.168	2.0	19.0
3 22	11 46.68	+ 5 53.9	2.180	3.170	2.5	19.1
4 1	11 39.29	+ 6 40.8	2.211	3.172	6.0	19.3
4 11	11 32.97	+ 7 17.3	2.269	3.173	9.3	19.5
4 21	11 28.24	+ 7 40.7	2.352	3.174	12.1	19.7

57545 2001 TG_{21} 3 17.7 42°.19 3°.8/14.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 19.25	+12 46.3	2.139	2.965	12.3	19.0
2 21	12 13.17	+12 58.7	2.067	2.969	9.3	18.9
3 2	12 5.07	+13 10.7	2.019	2.974	6.2	18.7
3 12	11 55.64	+13 17.3	2.000	2.980	3.9	18.5
3 22	11 45.77	+13 14.2	2.010	2.985	4.9	18.6
4 1	11 36.42	+12 58.4	2.049	2.990	7.8	18.8
4 11	11 28.47	+12 28.8	2.115	2.996	10.9	19.0
4 21	11 22.48	+11 46.1	2.204	3.002	13.6	19.2

155617 2000 EH_{68} 3 17.7 252°.41 0°.8/17.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 14.15	− 0 56.1	1.529	2.355	16.3	20.1
2 21	12 10.30	− 0 9.0	1.441	2.345	12.5	19.8
3 2	12 3.80	+ 0 56.9	1.376	2.335	7.9	19.5
3 12	11 55.33	+ 2 15.7	1.335	2.325	2.8	19.2
3 22	11 45.94	+ 3 38.9	1.322	2.314	2.8	19.1
4 1	11 36.92	+ 4 56.6	1.335	2.303	8.1	19.4
4 11	11 29.50	+ 5 59.9	1.373	2.292	12.9	19.6
4 21	11 24.52	+ 6 43.6	1.432	2.281	17.1	19.9

41474 2000 PE_{13} 3 17.7 235°.61 2°.5/20.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 15.05	− 8 47.7	1.833	2.618	15.7	19.2
2 21	12 10.67	− 8 28.1	1.731	2.605	12.5	18.9
3 2	12 3.90	− 7 47.3	1.651	2.591	8.7	18.7
3 12	11 55.35	− 6 47.1	1.597	2.577	4.6	18.4
3 22	11 45.92	− 5 32.3	1.570	2.562	2.7	18.2
4 1	11 36.72	− 4 10.6	1.572	2.546	6.3	18.4
4 11	11 28.86	− 2 50.6	1.600	2.530	10.7	18.6
4 21	11 23.13	− 1 40.1	1.653	2.513	14.6	18.8

214710 2006 SO_{392} 3 17.7 100°.82 3°.6/13.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 13.32	+11 29.9	2.438	3.268	10.9	21.0
2 21	12 8.49	+12 15.1	2.374	3.280	8.1	20.8
3 2	12 2.03	+13 2.0	2.335	3.292	5.4	20.7
3 12	11 54.51	+13 45.2	2.325	3.303	3.6	20.6
3 22	11 46.65	+14 19.7	2.344	3.314	4.7	20.7
4 1	11 39.20	+14 41.6	2.391	3.325	7.2	20.8
4 11	11 32.87	+14 48.9	2.465	3.336	9.9	21.0
4 21	11 28.12	+14 41.3	2.562	3.347	12.3	21.2

31783 1999 KV_9 3 17.7 246°.61 3°.2/21.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 10.31	−11 58.0	2.456	3.215	12.9	18.9
2 21	12 6.44	−11 48.9	2.356	3.209	10.4	18.8
3 2	12 0.89	−11 22.7	2.278	3.202	7.6	18.6
3 12	11 54.15	−10 40.5	2.226	3.195	4.7	18.4
3 22	11 46.88	− 9 45.4	2.203	3.188	3.2	18.3
4 1	11 39.83	− 8 42.1	2.209	3.181	5.0	18.4
4 11	11 33.76	− 7 36.6	2.243	3.174	8.0	18.5
4 21	11 29.19	− 6 34.6	2.302	3.167	10.9	18.7

211022 2002 AN_{15} 3 17.7 70°.23 6°.1/10.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 15.18	+20 16.5	2.347	3.179	11.1	20.1
2 21	12 10.03	+21 7.7	2.285	3.183	8.8	19.9
3 2	12 3.06	+21 54.5	2.248	3.186	6.9	19.8
3 12	11 54.90	+22 30.3	2.238	3.190	6.2	19.7
3 22	11 46.36	+22 50.0	2.256	3.193	7.3	19.8
4 1	11 38.29	+22 50.5	2.302	3.197	9.4	20.0
4 11	11 31.46	+22 31.2	2.371	3.200	11.7	20.1
4 21	11 26.39	+21 53.6	2.462	3.204	13.9	20.3

9318 1988 RG_9 3 17.7 146°.11 1°.7/16.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 16.98	+ 1 49.5	1.614	2.439	15.7	19.0
2 21	12 12.09	+ 2 41.3	1.542	2.447	11.8	18.8
3 2	12 4.70	+ 3 46.8	1.494	2.455	7.3	18.6
3 12	11 55.59	+ 4 59.2	1.472	2.461	2.7	18.3
3 22	11 45.83	+ 6 10.2	1.478	2.468	3.4	18.3
4 1	11 36.65	+ 7 11.3	1.511	2.473	8.0	18.6
4 11	11 29.13	+ 7 56.2	1.570	2.478	12.3	18.9
4 21	11 23.97	+ 8 21.9	1.650	2.483	16.0	19.1

296306 2009 DS_{127} 3 17.7 240°.90 1°.4/16.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 13.40	+ 4 25.8	2.489	3.304	11.1	21.1
2 21	12 8.66	+ 4 46.8	2.399	3.298	8.4	20.9
3 2	12 2.23	+ 5 14.1	2.334	3.292	5.2	20.7
3 12	11 54.63	+ 5 44.0	2.297	3.286	2.0	20.4
3 22	11 46.55	+ 6 12.2	2.291	3.280	2.5	20.5
4 1	11 38.75	+ 6 34.8	2.313	3.273	5.8	20.7
4 11	11 31.96	+ 6 48.3	2.364	3.266	9.0	20.8
4 21	11 26.70	+ 6 51.0	2.438	3.260	11.8	21.0

64086 2001 SE_{283} 3 17.7 78°.77 2°.9/15.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 19.35	+ 7 51.3	1.776	2.604	14.3	18.5
2 21	12 13.50	+ 8 14.0	1.716	2.622	10.7	18.3
3 2	12 5.36	+ 8 41.4	1.680	2.640	6.7	18.1
3 12	11 55.77	+ 9 7.5	1.672	2.658	3.3	18.0
3 22	11 45.76	+ 9 26.9	1.691	2.676	4.2	18.1
4 1	11 36.45	+ 9 34.8	1.739	2.693	7.9	18.3
4 11	11 28.78	+ 9 28.8	1.812	2.710	11.5	18.6
4 21	11 23.34	+ 9 8.6	1.908	2.728	14.6	18.8

491048 2011 QF_{42} 3 17.7 225°.61 2°.9/14.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 17.17	+ 5 16.0	1.802	2.629	14.2	22.3
2 21	12 12.25	+ 6 17.4	1.712	2.618	10.7	22.0
3 2	12 4.88	+ 7 30.1	1.645	2.606	6.8	21.8
3 12	11 55.71	+ 8 46.9	1.606	2.593	3.3	21.5
3 22	11 45.72	+ 9 59.6	1.595	2.579	4.5	21.6
4 1	11 36.04	+11 0.0	1.613	2.564	8.6	21.8
4 11	11 27.79	+11 42.2	1.656	2.548	12.7	22.0
4 21	11 21.75	+12 3.5	1.720	2.532	16.3	22.2

144975 2005 EB_{126} 3 17.7 237°.31 0°.5/18.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 15.86	− 2 41.3	2.004	2.806	14.0	20.8
2 21	12 11.06	− 2 18.2	1.903	2.791	10.8	20.6
3 2	12 4.04	− 1 40.5	1.825	2.777	7.0	20.3
3 12	11 55.39	− 0 51.4	1.773	2.761	2.8	20.0
3 22	11 45.95	+ 0 3.8	1.751	2.745	1.8	19.9
4 1	11 36.74	+ 0 59.0	1.758	2.728	6.2	20.2
4 11	11 28.75	+ 1 47.6	1.792	2.711	10.4	20.4
4 21	11 22.72	+ 2 24.9	1.849	2.693	14.1	20.6

208451 2001 TT_{170} 3 17.7 144°.20 0°.3/18.0 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 14.28	− 0 55.9	2.596	3.392	11.3	20.9
2 21	12 9.19	− 0 48.1	2.512	3.398	8.6	20.7
3 2	12 2.48	− 0 31.4	2.453	3.405	5.5	20.6
3 12	11 54.71	− 0 8.5	2.423	3.411	2.1	20.3
3 22	11 46.53	+ 0 17.2	2.423	3.416	1.4	20.3
4 1	11 38.67	+ 0 42.0	2.453	3.422	4.8	20.5
4 11	11 31.81	+ 1 2.3	2.511	3.427	7.9	20.7
4 21	11 26.45	+ 1 15.3	2.595	3.432	10.7	20.9

149803 2005 KX_{12} 3 17.7 242°.88 0°.3/17.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 10.76	− 0 58.3	2.648	3.450	10.9	21.5
2 21	12 6.65	− 0 19.5	2.545	3.436	8.3	21.3
3 2	12 0.98	+ 0 30.2	2.467	3.422	5.3	21.1
3 12	11 54.19	+ 1 27.4	2.418	3.407	1.9	20.8
3 22	11 46.89	+ 2 27.4	2.399	3.392	1.6	20.8
4 1	11 39.79	+ 3 25.4	2.410	3.376	5.1	21.0
4 11	11 33.54	+ 4 16.4	2.449	3.360	8.3	21.2
4 21	11 28.69	+ 4 57.0	2.513	3.344	11.2	21.3

209491 2004 JO_5 3 17.7 323°.80 1°.9/15.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 6.91	+ 0 56.7	1.958	2.788	13.1	20.0
2 21	12 4.26	+ 2 21.6	1.867	2.775	9.8	19.7
3 2	11 59.70	+ 4 2.4	1.800	2.763	6.1	19.5
3 12	11 53.76	+ 5 52.3	1.761	2.751	2.4	19.2
3 22	11 47.21	+ 7 42.6	1.751	2.739	3.4	19.2
4 1	11 40.94	+ 9 24.1	1.770	2.728	7.4	19.5
4 11	11 35.79	+10 49.2	1.815	2.717	11.3	19.7
4 21	11 32.38	+11 53.2	1.882	2.707	14.6	19.9

94651 2001 WL_{63} 3 17.7 285°.32 2°.2/19.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 13.80	− 6 27.9	1.450	2.262	17.8	20.0
2 21	12 10.23	− 6 18.2	1.361	2.252	14.1	19.7
3 2	12 3.87	− 5 46.3	1.292	2.241	9.6	19.4
3 12	11 55.42	− 4 54.5	1.247	2.231	4.7	19.1
3 22	11 45.94	− 3 48.6	1.227	2.221	2.6	19.0
4 1	11 36.82	− 2 37.3	1.234	2.211	7.3	19.2
4 11	11 29.37	− 1 30.7	1.265	2.200	12.4	19.5
4 21	11 24.48	− 0 36.5	1.317	2.190	16.8	19.7

500953 2013 QX_{28} 3 17.7 178°.19 0°.1/17.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 13.71	− 1 27.8	1.929	2.741	14.0	22.2
2 21	12 9.34	− 0 58.8	1.846	2.741	10.7	22.0
3 2	12 2.86	− 0 16.2	1.786	2.742	6.8	21.8
3 12	11 54.92	+ 0 36.0	1.753	2.742	2.5	21.5
3 22	11 46.38	+ 1 32.0	1.748	2.742	1.9	21.4
4 1	11 38.22	+ 2 25.2	1.772	2.742	6.3	21.7
4 11	11 31.38	+ 3 9.7	1.822	2.741	10.2	21.9
4 21	11 26.47	+ 3 41.5	1.896	2.741	13.7	22.2

292461 2006 SA_{373} 3 17.7 208°.61 3°.1/21.2 18

2 11	12 12.87	−10 29.9	2.585	3.344	12.3	21.1
2 21	12 8.28	−10 39.6	2.487	3.341	9.9	20.9
3 2	12 2.02	−10 35.0	2.413	3.338	7.2	20.8
3 12	11 54.59	−10 17.0	2.365	3.335	4.4	20.6
3 22	11 46.65	− 9 47.8	2.346	3.331	3.1	20.5
4 1	11 38.93	− 9 11.1	2.357	3.328	4.9	20.6
4 11	11 32.17	− 8 31.6	2.396	3.324	7.7	20.8
4 21	11 26.90	− 7 53.8	2.460	3.320	10.5	20.9

343138 2009 FG_{32} 3 17.7 49°.89 4°.4/12.9 17

2 11	12 12.88	+12 59.3	2.224	3.061	11.5	20.9
2 21	12 8.39	+13 49.4	2.156	3.064	8.7	20.7
3 2	12 2.09	+14 40.8	2.113	3.068	6.0	20.5
3 12	11 54.60	+15 27.1	2.098	3.072	4.4	20.4
3 22	11 46.68	+16 2.7	2.111	3.076	5.5	20.5
4 1	11 39.18	+16 23.3	2.151	3.081	8.2	20.7
4 11	11 32.87	+16 26.7	2.218	3.085	11.0	20.9
4 21	11 28.27	+16 12.9	2.305	3.089	13.5	21.0

505202 2012 TQ_{174} 3 17.7 172°.70 1°.5/19.6 17

2 11	12 12.10	− 6 21.7	2.668	3.446	11.5	22.6
2 21	12 7.58	− 6 4.5	2.577	3.449	9.0	22.4
3 2	12 1.50	− 5 34.6	2.510	3.451	6.0	22.3
3 12	11 54.38	− 4 54.4	2.471	3.453	3.0	22.1
3 22	11 46.83	− 4 7.2	2.462	3.454	1.7	22.0
4 1	11 39.55	− 3 17.5	2.483	3.455	4.5	22.2
4 11	11 33.19	− 2 30.1	2.532	3.456	7.5	22.4
4 21	11 28.24	− 1 48.7	2.607	3.456	10.3	22.5

125833 2001 XW_{179} 3 17.7 153°.62 8°.3/ 6.4 18

2 11	12 15.63	+25 49.7	2.292	3.120	11.5	19.8
2 21	12 10.56	+27 38.6	2.246	3.128	9.6	19.7
3 2	12 3.50	+29 19.5	2.225	3.136	8.5	19.6
3 12	11 55.13	+30 43.5	2.231	3.143	8.6	19.6
3 22	11 46.31	+31 43.9	2.264	3.149	9.8	19.7
4 1	11 37.97	+32 17.0	2.322	3.155	11.7	19.8
4 11	11 30.95	+32 22.9	2.402	3.161	13.7	20.0
4 21	11 25.81	+32 4.0	2.500	3.165	15.4	20.1

240121 2002 ED_{154} 3 17.7 343°.69 1°.9/16.4 18

2 11	12 14.68	+ 3 36.0	1.254	2.103	17.8	20.1
2 21	12 11.14	+ 3 54.6	1.180	2.097	13.6	19.8
3 2	12 4.53	+ 4 26.1	1.126	2.091	8.5	19.5
3 12	11 55.68	+ 5 4.0	1.096	2.086	3.3	19.2
3 22	11 45.85	+ 5 40.2	1.090	2.081	3.8	19.2
4 1	11 36.60	+ 6 6.5	1.109	2.078	9.2	19.5
4 11	11 29.31	+ 6 16.7	1.150	2.075	14.4	19.8
4 21	11 24.88	+ 6 8.1	1.211	2.073	18.8	20.1

231226 2005 WZ_{174} 3 17.7 346°.70 5°.4/12.9 17

2 11	12 12.72	+11 45.0	1.580	2.432	14.6	19.9
2 21	12 9.04	+12 48.4	1.510	2.428	11.1	19.7
3 2	12 2.88	+13 56.2	1.463	2.423	7.5	19.5
3 12	11 54.98	+14 59.2	1.442	2.420	5.4	19.4
3 22	11 46.40	+15 48.7	1.447	2.417	7.0	19.4
4 1	11 38.34	+16 17.7	1.477	2.414	10.5	19.6
4 11	11 31.88	+16 22.9	1.530	2.412	14.2	19.8
4 21	11 27.73	+16 4.6	1.602	2.411	17.5	20.1

306591 2000 GB_{28} 3 17.7 315°.71 1°.7/18.9 16

2 11	12 9.82	− 5 14.9	1.192	2.028	19.4	20.7
2 21	12 7.85	− 5 3.0	1.098	2.004	15.4	20.4
3 2	12 2.76	− 4 25.3	1.024	1.981	10.4	20.0
3 12	11 55.15	− 3 24.1	0.970	1.958	4.7	19.6
3 22	11 46.16	− 2 6.1	0.941	1.935	2.6	19.4
4 1	11 37.37	− 0 42.4	0.935	1.914	8.6	19.7
4 11	11 30.39	+ 0 34.3	0.951	1.893	14.6	19.9
4 21	11 26.37	+ 1 33.7	0.985	1.874	19.9	20.1

414914 2011 AF_{9} 3 17.7 61°.34 3°.1/14.9 18

2 11	12 14.60	+ 5 24.4	1.570	2.410	15.3	20.9
2 21	12 10.14	+ 6 26.5	1.520	2.433	11.4	20.7
3 2	12 3.35	+ 7 37.6	1.493	2.456	7.0	20.5
3 12	11 55.08	+ 8 49.5	1.492	2.480	3.4	20.4
3 22	11 46.41	+ 9 53.4	1.519	2.503	4.6	20.5
4 1	11 38.47	+10 42.3	1.572	2.526	8.5	20.8
4 11	11 32.22	+11 12.0	1.650	2.550	12.3	21.1
4 21	11 28.21	+11 21.3	1.749	2.573	15.6	21.3

159133 2004 WG_{5} 3 17.7 168°.47 2°.4/15.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 13.66	+ 5 55.6	2.279	3.102	11.8	20.6
2 21	12 8.96	+ 6 44.8	2.201	3.105	8.8	20.4
3 2	12 2.47	+ 7 40.8	2.148	3.108	5.5	20.2
3 12	11 54.77	+ 8 38.3	2.124	3.110	2.6	20.0
3 22	11 46.60	+ 9 31.4	2.129	3.112	3.6	20.0
4 1	11 38.80	+10 15.0	2.163	3.114	6.8	20.3
4 11	11 32.13	+10 45.0	2.224	3.115	10.0	20.4
4 21	11 27.13	+10 59.8	2.308	3.116	12.8	20.6

158258 2001 TM_{130} 3 17.7 241°.35 4°.7/13.8 18

2 11	12 14.90	+ 7 54.7	1.423	2.272	16.1	20.0
2 21	12 10.94	+ 9 11.1	1.353	2.270	12.1	19.8
3 2	12 4.22	+10 37.8	1.305	2.268	7.8	19.5
3 12	11 55.52	+12 4.7	1.283	2.266	4.8	19.3
3 22	11 46.03	+13 20.7	1.287	2.265	6.4	19.4
4 1	11 37.11	+14 16.5	1.316	2.263	10.7	19.6
4 11	11 30.00	+14 46.7	1.369	2.261	14.9	19.9
4 21	11 25.45	+14 50.6	1.440	2.259	18.6	20.1

141049 2001 WM_{97} 3 17.7 169°.74 2°.1/14.9 18

2 11	12 10.85	+ 5 42.1	2.739	3.559	10.1	20.8
2 21	12 6.58	+ 6 36.1	2.659	3.562	7.5	20.6
3 2	12 0.85	+ 7 36.0	2.605	3.565	4.7	20.4
3 12	11 54.16	+ 8 37.5	2.581	3.567	2.3	20.3
3 22	11 47.08	+ 9 35.3	2.586	3.569	3.1	20.3
4 1	11 40.29	+10 25.1	2.622	3.570	5.9	20.5
4 11	11 34.39	+11 3.2	2.685	3.572	8.6	20.7
4 21	11 29.84	+11 27.8	2.772	3.572	11.1	20.9

425726 2011 BQ_{51} 3 17.7 149°.83 3°.6/21.5 16

2 11	12 14.23	−11 47.7	2.104	2.867	14.6	21.8
2 21	12 9.63	−11 48.5	2.017	2.872	11.8	21.6
3 2	12 3.02	−11 30.3	1.952	2.877	8.6	21.4
3 12	11 55.01	−10 54.4	1.913	2.882	5.3	21.2
3 22	11 46.44	−10 4.0	1.901	2.887	3.6	21.1
4 1	11 38.22	− 9 4.5	1.919	2.891	5.6	21.3
4 11	11 31.23	− 8 2.8	1.964	2.895	8.9	21.5
4 21	11 26.09	− 7 5.0	2.033	2.898	12.1	21.7

12481 Streuvels 3 17.7 291°.87 1°.6/19.4 18

2 11	12 9.90	− 7 6.2	1.934	2.732	14.5	17.8
2 21	12 6.64	− 6 32.2	1.833	2.716	11.4	17.6
3 2	12 1.30	− 5 38.2	1.753	2.700	7.7	17.3
3 12	11 54.44	− 4 27.3	1.700	2.684	3.7	17.0
3 22	11 46.83	− 3 4.9	1.674	2.668	2.0	16.9
4 1	11 39.46	− 1 38.6	1.677	2.652	5.9	17.1
4 11	11 33.26	− 0 16.8	1.706	2.636	10.1	17.3
4 21	11 28.92	+ 0 53.7	1.759	2.620	13.9	17.5

114003 2002 UZ_{34} 3 17.7 143°.22 0°.1/17.7 18

2 11	12 10.09	− 2 37.9	2.317	3.121	12.2	19.9
2 21	12 6.28	− 1 47.1	2.233	3.125	9.3	19.7
3 2	12 0.78	− 0 42.7	2.174	3.128	5.9	19.5
3 12	11 54.16	+ 0 30.7	2.143	3.132	2.2	19.3
3 22	11 47.09	+ 1 47.5	2.142	3.135	1.7	19.2
4 1	11 40.34	+ 3 1.5	2.170	3.138	5.4	19.5
4 11	11 34.63	+ 4 6.7	2.225	3.141	8.8	19.7
4 21	11 30.46	+ 4 59.2	2.306	3.144	11.8	19.9

29492 1997 WP_{2} 3 17.7 50°.24 7°.3/11.1 18

2 11	12 15.20	+16 56.1	1.605	2.455	14.5	16.7
2 21	12 10.77	+18 16.0	1.552	2.463	11.3	16.5
3 2	12 3.87	+19 34.1	1.522	2.472	8.4	16.4
3 12	11 55.32	+20 39.9	1.518	2.480	7.3	16.3
3 22	11 46.26	+21 24.9	1.539	2.489	8.8	16.4
4 1	11 37.88	+21 43.8	1.586	2.498	11.8	16.6
4 11	11 31.23	+21 35.5	1.655	2.508	14.8	16.8
4 21	11 26.93	+21 2.4	1.743	2.517	17.6	17.0

279678 2011 FP_{32} 3 17.7 122°.52 1°.3/16.3 18 R

2 11	12 12.62	+ 1 49.9	2.109	2.928	12.7	20.9
2 21	12 8.28	+ 2 37.6	2.034	2.936	9.5	20.7
3 2	12 2.09	+ 3 35.8	1.984	2.944	5.9	20.5
3 12	11 54.65	+ 4 39.3	1.962	2.952	2.2	20.3
3 22	11 46.74	+ 5 41.9	1.969	2.959	2.6	20.3
4 1	11 39.25	+ 6 37.4	2.005	2.966	6.4	20.6
4 11	11 32.96	+ 7 20.9	2.067	2.973	9.9	20.8
4 21	11 28.41	+ 7 49.7	2.153	2.980	12.9	21.0

406367 2007 RJ_{216} 3 17.7 196°.64 0°.6/18.3 17

2 11	12 16.74	− 3 25.9	2.076	2.871	13.8	22.3
2 21	12 11.57	− 2 59.2	1.983	2.868	10.6	22.0
3 2	12 4.29	− 2 17.8	1.914	2.864	6.9	21.8
3 12	11 55.51	− 1 25.2	1.872	2.859	2.8	21.5
3 22	11 46.07	− 0 26.6	1.860	2.854	1.7	21.4
4 1	11 36.95	+ 0 31.9	1.877	2.848	5.9	21.7
4 11	11 29.08	+ 1 23.8	1.922	2.841	9.8	21.9
4 21	11 23.12	+ 2 4.8	1.991	2.833	13.3	22.1

120379 2005 QO_9 3 17.7 235°.64 1°.2/19.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 11.59	− 4 49.0	2.626	3.413	11.4	20.5
2 21	12 7.30	− 4 36.6	2.527	3.405	8.9	20.3
3 2	12 1.40	− 4 12.4	2.452	3.397	5.9	20.1
3 12	11 54.40	− 3 38.6	2.404	3.389	2.7	19.8
3 22	11 46.91	− 2 58.7	2.387	3.380	1.5	19.7
4 1	11 39.63	− 2 16.7	2.399	3.372	4.6	19.9
4 11	11 33.25	− 1 37.2	2.439	3.363	7.8	20.1
4 21	11 28.28	− 1 3.9	2.505	3.354	10.7	20.3

69138 2003 FY_{90} 3 17.7 344°.41 3°.7/20.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 14.95	− 8 46.9	2.039	2.817	14.6	18.5
2 21	12 10.33	− 9 25.4	1.946	2.811	11.7	18.3
3 2	12 3.57	− 9 49.5	1.875	2.806	8.5	18.1
3 12	11 55.27	− 9 59.1	1.829	2.801	5.2	17.9
3 22	11 46.25	− 9 55.9	1.812	2.797	3.7	17.8
4 1	11 37.51	− 9 43.0	1.822	2.794	5.9	17.9
4 11	11 29.99	− 9 25.4	1.860	2.791	9.3	18.1
4 21	11 24.39	− 9 8.2	1.921	2.788	12.6	18.3

327862 2006 YM_{14} 3 17.7 44°.39 0°.2/17.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 12.02	− 2 52.6	1.526	2.351	16.5	20.6
2 21	12 8.46	− 2 14.7	1.459	2.360	12.6	20.3
3 2	12 2.48	− 1 18.6	1.413	2.371	8.0	20.1
3 12	11 54.84	− 0 9.6	1.393	2.382	3.0	19.8
3 22	11 46.62	+ 1 4.4	1.398	2.393	2.1	19.8
4 1	11 38.97	+ 2 14.3	1.431	2.404	7.0	20.1
4 11	11 32.93	+ 3 12.5	1.489	2.416	11.5	20.4
4 21	11 29.16	+ 3 53.9	1.568	2.428	15.3	20.6

344405 2002 AQ_{88} 3 17.7 359°.74 11°.0/30.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 12.42	−32 10.0	2.181	2.810	17.7	19.7
2 21	12 8.69	−33 24.5	2.090	2.809	16.1	19.5
3 2	12 2.69	−34 13.2	2.016	2.808	14.4	19.4
3 12	11 54.98	−34 31.6	1.960	2.808	12.7	19.3
3 22	11 46.44	−34 17.8	1.926	2.808	11.4	19.2
4 1	11 38.14	−33 33.1	1.915	2.809	11.1	19.1
4 11	11 31.12	−32 23.5	1.927	2.810	11.7	19.2
4 21	11 26.17	−30 57.1	1.962	2.811	13.1	19.3

462324 2008 HD_{56} 3 17.7 305°.98 6°.2/11.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 11.43	+12 17.8	1.579	2.433	14.5	21.3
2 21	12 8.25	+13 49.8	1.498	2.416	11.1	21.1
3 2	12 2.53	+15 28.8	1.441	2.400	7.8	20.8
3 12	11 54.94	+17 4.2	1.410	2.383	6.2	20.7
3 22	11 46.49	+18 25.0	1.404	2.366	8.1	20.8
4 1	11 38.40	+19 22.1	1.424	2.350	11.7	20.9
4 11	11 31.83	+19 50.5	1.466	2.335	15.5	21.1
4 21	11 27.60	+19 49.9	1.526	2.319	18.9	21.3

387399 2013 PR_{10} 3 17.7 222°.72 3°.7/21.5 17 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 13.81	−11 59.6	2.101	2.864	14.7	21.2
2 21	12 9.44	−11 59.1	2.002	2.857	11.9	21.0
3 2	12 2.99	−11 39.1	1.925	2.850	8.7	20.8
3 12	11 55.05	−11 0.6	1.873	2.842	5.4	20.6
3 22	11 46.42	−10 6.5	1.849	2.834	3.7	20.4
4 1	11 38.04	− 9 2.3	1.854	2.826	5.8	20.6
4 11	11 30.84	− 7 55.1	1.886	2.817	9.2	20.7
4 21	11 25.50	− 6 51.6	1.942	2.808	12.5	20.9

121108 1999 GA_7 3 17.7 335°.37 4°.8/22.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 4.73	−18 6.0	1.271	2.057	21.3	18.4
2 21	12 3.67	−17 1.5	1.181	2.047	17.7	18.1
3 2	11 59.86	−15 10.8	1.108	2.037	13.2	17.8
3 12	11 54.00	−12 34.7	1.057	2.028	8.3	17.5
3 22	11 47.19	− 9 22.3	1.030	2.019	4.9	17.3
4 1	11 40.80	− 5 51.3	1.031	2.012	7.5	17.4
4 11	11 36.14	− 2 23.8	1.057	2.005	12.7	17.7
4 21	11 34.09	+ 0 41.2	1.106	2.000	17.7	17.9

379373 2009 WS_{253} 3 17.7 226°.44 1°.2/16.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 15.43	+ 2 37.6	2.491	3.298	11.4	22.9
2 21	12 10.30	+ 3 12.9	2.389	3.284	8.6	22.7
3 2	12 3.37	+ 3 56.9	2.313	3.269	5.4	22.4
3 12	11 55.16	+ 4 45.7	2.265	3.254	2.0	22.2
3 22	11 46.35	+ 5 34.5	2.248	3.238	2.4	22.2
4 1	11 37.75	+ 6 18.1	2.261	3.221	5.9	22.4
4 11	11 30.13	+ 6 52.4	2.303	3.203	9.3	22.6
4 21	11 24.09	+ 7 14.5	2.369	3.185	12.3	22.7

498738 2008 TS_{151} 3 17.7 216°.39 1°.0/16.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 12.97	+ 1 28.4	2.443	3.252	11.5	22.3
2 21	12 8.44	+ 2 10.9	2.348	3.245	8.7	22.1
3 2	12 2.18	+ 3 3.3	2.279	3.236	5.4	21.9
3 12	11 54.71	+ 4 1.4	2.238	3.227	2.0	21.6
3 22	11 46.70	+ 5 0.2	2.227	3.217	2.3	21.6
4 1	11 38.95	+ 5 54.1	2.246	3.207	5.8	21.8
4 11	11 32.19	+ 6 38.4	2.292	3.197	9.1	22.0
4 21	11 26.97	+ 7 10.1	2.363	3.186	12.1	22.2

212924 Yurishevchuk 3 17.7 186°.22 1°.5/15.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 9.87	+ 2 48.7	2.518	3.336	10.9	20.5
2 21	12 6.00	+ 3 47.2	2.434	3.336	8.2	20.3
3 2	12 0.57	+ 4 54.8	2.376	3.336	5.0	20.1
3 12	11 54.09	+ 6 6.6	2.346	3.335	2.0	19.9
3 22	11 47.18	+ 7 17.0	2.347	3.334	2.7	20.0
4 1	11 40.55	+ 8 20.4	2.377	3.333	5.9	20.2
4 11	11 34.86	+ 9 12.2	2.434	3.332	9.0	20.4
4 21	11 30.60	+ 9 49.9	2.516	3.331	11.7	20.5

306074 2010 GF_{118} 3 17.7 245°.51 5°.7/12.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 17.69	+12 42.5	1.705	2.545	14.3	21.8
2 21	12 12.83	+13 53.9	1.621	2.531	10.9	21.6
3 2	12 5.37	+15 10.0	1.562	2.517	7.6	21.3
3 12	11 55.99	+16 21.5	1.528	2.502	5.7	21.2
3 22	11 45.74	+17 19.1	1.522	2.487	7.3	21.2
4 1	11 35.87	+17 55.2	1.543	2.471	10.9	21.4
4 11	11 27.57	+18 6.2	1.587	2.455	14.6	21.6
4 21	11 21.64	+17 52.3	1.651	2.438	17.9	21.8

131991 2002 CU_{92} 3 17.7 134°.97 0°.5/18.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 17.78	− 2 45.1	1.798	2.602	15.2	20.9
2 21	12 12.48	− 2 19.8	1.725	2.615	11.6	20.7
3 2	12 4.88	− 1 39.3	1.674	2.626	7.5	20.5
3 12	11 55.72	− 0 47.8	1.650	2.638	2.9	20.2
3 22	11 46.00	+ 0 8.6	1.654	2.648	1.9	20.1
4 1	11 36.82	+ 1 3.1	1.687	2.658	6.4	20.4
4 11	11 29.16	+ 1 49.2	1.747	2.667	10.5	20.7
4 21	11 23.68	+ 2 22.6	1.830	2.676	14.1	21.0

87685 2000 SR_3 3 17.7 131°.49 5°.0/11.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 12.72	+16 15.8	2.470	3.304	10.6	19.6
2 21	12 8.15	+17 17.8	2.406	3.309	8.1	19.5
3 2	12 1.90	+18 18.7	2.367	3.314	6.0	19.3
3 12	11 54.58	+19 12.3	2.357	3.319	5.0	19.3
3 22	11 46.87	+19 53.2	2.375	3.324	6.2	19.4
4 1	11 39.54	+20 17.5	2.420	3.329	8.4	19.5
4 11	11 33.31	+20 23.5	2.491	3.333	10.8	19.7
4 21	11 28.65	+20 11.7	2.584	3.337	13.0	19.8

62658 2000 SN_{365} 3 17.7 78°.39 2°.0/15.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 14.04	+ 6 7.8	2.288	3.111	11.7	19.5
2 21	12 9.21	+ 6 32.1	2.214	3.118	8.8	19.3
3 2	12 2.61	+ 7 1.8	2.165	3.125	5.5	19.1
3 12	11 54.85	+ 7 32.3	2.144	3.131	2.4	18.9
3 22	11 46.66	+ 7 59.2	2.152	3.138	3.1	19.0
4 1	11 38.88	+ 8 18.3	2.189	3.145	6.3	19.2
4 11	11 32.25	+ 8 26.5	2.253	3.152	9.5	19.4
4 21	11 27.29	+ 8 22.5	2.341	3.159	12.3	19.6

234938 2002 VC_{10} 3 17.7 118°.20 1°.4/16.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 15.14	+ 4 28.1	2.385	3.200	11.6	20.5
2 21	12 9.94	+ 4 50.0	2.311	3.210	8.7	20.3
3 2	12 3.03	+ 5 18.0	2.263	3.221	5.4	20.2
3 12	11 54.99	+ 5 48.2	2.243	3.231	2.1	19.9
3 22	11 46.56	+ 6 16.2	2.252	3.241	2.6	20.0
4 1	11 38.54	+ 6 38.0	2.292	3.251	5.9	20.2
4 11	11 31.65	+ 6 50.4	2.358	3.261	9.0	20.4
4 21	11 26.39	+ 6 51.9	2.449	3.270	11.8	20.6

315471 2007 YY_7 3 17.7 286°.35 2°.7/19.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 16.28	− 6 6.4	1.569	2.373	17.1	20.5
2 21	12 11.98	− 6 21.6	1.478	2.363	13.5	20.2
3 2	12 4.95	− 6 18.8	1.407	2.353	9.3	19.9
3 12	11 55.88	− 5 59.3	1.361	2.343	4.8	19.6
3 22	11 45.82	− 5 26.9	1.341	2.334	3.0	19.5
4 1	11 36.08	− 4 47.5	1.348	2.324	7.0	19.7
4 11	11 27.93	− 4 8.9	1.380	2.314	11.7	19.9
4 21	11 22.25	− 3 37.5	1.434	2.305	15.9	20.2

275587 1999 UW_{37} 3 17.7 249°.66 3°.7/21.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 10.87	−13 23.1	2.147	2.907	14.5	21.2
2 21	12 7.18	−13 6.7	2.046	2.898	11.8	21.0
3 2	12 1.54	−12 29.0	1.968	2.890	8.7	20.8
3 12	11 54.52	−11 31.2	1.914	2.882	5.5	20.6
3 22	11 46.87	−10 16.9	1.888	2.873	3.7	20.4
4 1	11 39.47	− 8 52.4	1.891	2.864	5.6	20.5
4 11	11 33.17	− 7 25.4	1.921	2.855	8.9	20.7
4 21	11 28.63	− 6 3.3	1.977	2.846	12.2	20.9

61273 2000 OL_{32} 3 17.7 219°.16 0°.4/17.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 14.53	− 1 50.0	1.790	2.604	14.9	20.2
2 21	12 10.25	− 0 58.7	1.700	2.597	11.4	19.9
3 2	12 3.63	+ 0 9.9	1.632	2.589	7.2	19.7
3 12	11 55.33	+ 1 30.7	1.591	2.581	2.6	19.3
3 22	11 46.27	+ 2 56.0	1.579	2.572	2.3	19.3
4 1	11 37.53	+ 4 17.2	1.595	2.563	7.1	19.6
4 11	11 30.18	+ 5 26.4	1.637	2.553	11.4	19.8
4 21	11 24.95	+ 6 18.4	1.702	2.542	15.2	20.0

11159 Mizugaki 3 17.7 176°.31 2°.8/14.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 17.67	+ 6 19.4	2.041	2.862	13.0	19.5
2 21	12 12.22	+ 7 12.4	1.962	2.865	9.7	19.3
3 2	12 4.66	+ 8 12.9	1.909	2.868	6.1	19.1
3 12	11 55.65	+ 9 14.7	1.883	2.869	3.1	18.9
3 22	11 46.07	+10 11.1	1.887	2.870	4.1	18.9
4 1	11 36.93	+10 55.8	1.920	2.870	7.6	19.2
4 11	11 29.12	+11 24.8	1.980	2.869	11.2	19.4
4 21	11 23.28	+11 36.5	2.063	2.867	14.2	19.6

426211 2012 KV_{45} 3 17.7 218°.67 5°.1/11.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 12.28	+13 0.6	2.203	3.041	11.6	21.1
2 21	12 8.13	+14 36.2	2.126	3.034	8.8	20.9
3 2	12 2.08	+16 15.7	2.075	3.027	6.2	20.8
3 12	11 54.71	+17 50.9	2.052	3.020	5.1	20.7
3 22	11 46.76	+19 13.8	2.058	3.012	6.6	20.8
4 1	11 39.13	+20 17.9	2.092	3.004	9.4	20.9
4 11	11 32.63	+20 59.7	2.151	2.995	12.2	21.1
4 21	11 27.86	+21 18.5	2.231	2.986	14.8	21.2

430467 2001 QR_{236} 3 17.7 150°.92 0°.2/17.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 10.15	− 2 1.8	2.835	3.632	10.4	21.8
2 21	12 6.01	− 1 6.2	2.752	3.640	7.9	21.7
3 2	12 0.48	+ 0 0.1	2.695	3.648	4.9	21.5
3 12	11 54.05	+ 1 13.3	2.667	3.656	1.8	21.3
3 22	11 47.28	+ 2 28.6	2.670	3.663	1.5	21.3
4 1	11 40.78	+ 3 40.7	2.703	3.669	4.7	21.5
4 11	11 35.13	+ 4 45.1	2.766	3.675	7.6	21.7
4 21	11 30.76	+ 5 38.4	2.855	3.681	10.1	21.9

69013 2002 TP_{290} 3 17.7 114°.43 4°.1/22.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 12.17	−14 36.1	2.377	3.121	13.7	19.4
2 21	12 7.87	−14 38.8	2.291	3.130	11.2	19.3
3 2	12 1.82	−14 23.1	2.227	3.139	8.4	19.1
3 12	11 54.58	−13 49.6	2.189	3.148	5.7	18.9
3 22	11 46.88	−13 1.2	2.178	3.157	4.1	18.9
4 1	11 39.50	−12 2.3	2.197	3.165	5.4	18.9
4 11	11 33.20	−10 59.2	2.243	3.173	8.0	19.1
4 21	11 28.52	− 9 57.8	2.314	3.181	10.7	19.3

348978 2006 UL_{117} 3 17.7 271°.68 4°.5/23.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 9.33	−17 56.4	2.442	3.170	13.8	20.5
2 21	12 5.87	−17 33.4	2.328	3.153	11.5	20.3
3 2	12 0.67	−16 47.9	2.234	3.136	8.9	20.1
3 12	11 54.20	−15 40.2	2.166	3.119	6.3	19.9
3 22	11 47.14	−14 13.1	2.126	3.101	4.6	19.8
4 1	11 40.25	−12 32.0	2.115	3.084	5.5	19.8
4 11	11 34.32	−10 44.8	2.133	3.066	8.2	19.9
4 21	11 29.93	− 8 59.2	2.177	3.048	11.2	20.1

95404 2002 CO_{207} 3 17.7 232°.33 0°.0/17.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 14.77	− 0 56.5	2.381	3.180	12.1	20.2
2 21	12 9.90	− 0 34.4	2.278	3.167	9.2	20.0
3 2	12 3.18	− 0 1.3	2.201	3.154	5.9	19.8
3 12	11 55.14	+ 0 39.5	2.152	3.140	2.2	19.5
3 22	11 46.47	+ 1 23.8	2.132	3.125	1.7	19.4
4 1	11 38.01	+ 2 6.5	2.142	3.110	5.5	19.7
4 11	11 30.57	+ 2 43.0	2.181	3.095	9.1	19.9
4 21	11 24.76	+ 3 9.7	2.244	3.078	12.2	20.0

467101 2016 EZ_{53} 3 17.7 339°.22 3°.1/20.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 12.71	− 8 19.2	1.612	2.411	16.9	20.0
2 21	12 9.11	− 8 22.5	1.526	2.407	13.5	19.8
3 2	12 3.03	− 8 5.1	1.461	2.403	9.4	19.6
3 12	11 55.15	− 7 28.6	1.420	2.400	5.2	19.3
3 22	11 46.46	− 6 37.4	1.406	2.397	3.2	19.2
4 1	11 38.15	− 5 38.5	1.418	2.394	6.6	19.4
4 11	11 31.35	− 4 40.3	1.455	2.392	10.9	19.6
4 21	11 26.84	− 3 50.1	1.514	2.390	14.9	19.8

434629 2005 VX_{107} 3 17.7 224°.30 8°.2/ 1.9 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 17.01	+37 50.1	3.376	4.155	9.3	22.1
2 21	12 11.23	+39 2.5	3.321	4.143	8.5	22.0
3 2	12 3.82	+40 3.1	3.292	4.130	8.2	21.9
3 12	11 55.31	+40 46.4	3.287	4.117	8.5	21.9
3 22	11 46.38	+41 8.6	3.308	4.103	9.3	22.0
4 1	11 37.81	+41 7.9	3.352	4.089	10.5	22.1
4 11	11 30.28	+40 45.0	3.417	4.075	11.6	22.1
4 21	11 24.29	+40 2.1	3.499	4.060	12.7	22.2

466181 2012 KQ_{14} 3 17.7 4°.42 1°.9/16.0 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 9.67	+ 1 0.2	1.447	2.289	16.2	21.1
2 21	12 6.91	+ 2 4.8	1.375	2.289	12.2	20.8
3 2	12 1.64	+ 3 26.7	1.325	2.289	7.6	20.6
3 12	11 54.61	+ 4 58.2	1.300	2.290	2.8	20.3
3 22	11 46.88	+ 6 29.0	1.301	2.291	3.7	20.3
4 1	11 39.66	+ 7 48.9	1.328	2.293	8.5	20.6
4 11	11 34.04	+ 8 49.6	1.379	2.296	13.1	20.9
4 21	11 30.74	+ 9 27.3	1.451	2.299	17.0	21.1

276194 2002 QA_{13} 3 17.7 249°.09 0°.9/16.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 10.12	− 0 39.5	2.273	3.085	12.1	21.2
2 21	12 6.46	+ 0 26.8	2.176	3.074	9.2	20.9
3 2	12 1.02	+ 1 47.3	2.104	3.062	5.7	20.7
3 12	11 54.34	+ 3 16.7	2.061	3.050	2.0	20.4
3 22	11 47.08	+ 4 48.6	2.047	3.038	2.3	20.4
4 1	11 40.05	+ 6 15.7	2.063	3.026	6.1	20.7
4 11	11 34.03	+ 7 31.4	2.106	3.013	9.7	20.8
4 21	11 29.59	+ 8 31.5	2.174	3.000	12.9	21.0

138263 2000 GW_{9} 3 17.7 69°.13 0°.2/17.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 16.38	− 0 45.3	1.645	2.464	15.7	19.7
2 21	12 11.68	− 0 35.6	1.571	2.469	12.0	19.5
3 2	12 4.52	− 0 12.2	1.518	2.474	7.7	19.2
3 12	11 55.66	+ 0 20.6	1.491	2.480	2.9	18.9
3 22	11 46.13	+ 0 57.5	1.491	2.485	2.1	18.9
4 1	11 37.13	+ 1 31.8	1.519	2.491	6.9	19.2
4 11	11 29.73	+ 1 57.9	1.573	2.497	11.2	19.5
4 21	11 24.63	+ 2 11.9	1.648	2.502	15.0	19.7

53326 1999 JV_{22} 3 17.7 18°.60 1°.5/19.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 10.30	− 5 34.2	1.882	2.687	14.6	18.7
2 21	12 6.83	− 5 16.4	1.803	2.691	11.3	18.5
3 2	12 1.34	− 4 41.8	1.746	2.695	7.6	18.3
3 12	11 54.45	− 3 53.7	1.715	2.700	3.5	18.1
3 22	11 47.02	− 2 57.2	1.711	2.705	1.9	18.0
4 1	11 39.98	− 1 58.9	1.735	2.711	5.7	18.2
4 11	11 34.22	− 1 5.4	1.786	2.717	9.6	18.5
4 21	11 30.33	− 0 22.0	1.859	2.724	13.1	18.7

171552 1999 TD_{12} 3 17.7 177°.15 1°.6/16.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 15.85	+ 2 33.7	2.073	2.888	13.0	20.4
2 21	12 10.84	+ 3 22.0	1.991	2.891	9.8	20.2
3 2	12 3.79	+ 4 21.0	1.934	2.893	6.1	20.0
3 12	11 55.35	+ 5 25.0	1.905	2.894	2.4	19.8
3 22	11 46.35	+ 6 27.8	1.905	2.894	2.9	19.8
4 1	11 37.74	+ 7 22.8	1.935	2.894	6.8	20.0
4 11	11 30.39	+ 8 5.0	1.991	2.893	10.4	20.3
4 21	11 24.92	+ 8 31.6	2.071	2.891	13.6	20.5

348509 2005 TZ_{165} 3 17.7 114°.77 1°.7/19.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 16.07	− 6 10.5	1.471	2.279	17.8	21.7
2 21	12 11.70	− 5 47.2	1.398	2.288	13.9	21.4
3 2	12 4.65	− 5 2.0	1.347	2.297	9.2	21.2
3 12	11 55.73	− 3 58.8	1.320	2.305	4.2	20.9
3 22	11 46.08	− 2 44.7	1.319	2.313	2.3	20.8
4 1	11 37.03	− 1 29.2	1.345	2.321	7.0	21.1
4 11	11 29.76	− 0 21.5	1.397	2.328	11.8	21.4
4 21	11 24.99	+ 0 31.8	1.471	2.336	15.9	21.6

306209 2011 QZ_{18} 3 17.7 145°.10 0°.1/17.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 9.37	− 3 7.0	2.610	3.408	11.2	21.2
2 21	12 5.57	− 2 17.7	2.525	3.412	8.5	21.1
3 2	12 0.29	− 1 16.1	2.465	3.417	5.4	20.9
3 12	11 54.01	− 0 6.1	2.433	3.421	2.1	20.6
3 22	11 47.35	+ 1 7.3	2.432	3.425	1.4	20.6
4 1	11 40.97	+ 2 18.6	2.460	3.429	4.8	20.8
4 11	11 35.50	+ 3 22.7	2.518	3.433	7.9	21.0
4 21	11 31.40	+ 4 15.9	2.600	3.437	10.7	21.2

140828 2001 UA_{172} 3 17.7 179°.33 0°.2/17.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 11.77	− 0 27.5	2.414	3.221	11.7	21.1
2 21	12 7.51	+ 0 0.4	2.328	3.221	8.9	20.9
3 2	12 1.57	+ 0 38.7	2.266	3.222	5.6	20.7
3 12	11 54.51	+ 1 23.6	2.233	3.222	2.0	20.4
3 22	11 46.98	+ 2 10.8	2.228	3.222	1.7	20.4
4 1	11 39.76	+ 2 55.3	2.254	3.222	5.3	20.6
4 11	11 33.54	+ 3 32.6	2.307	3.221	8.6	20.8
4 21	11 28.85	+ 3 59.6	2.384	3.221	11.5	21.0

422315 2014 SG_{183} 3 17.8 131°.97 2°.5/15.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 14.88	+ 3 59.8	1.832	2.660	14.0	21.2
2 21	12 10.26	+ 5 6.0	1.763	2.670	10.4	21.0
3 2	12 3.48	+ 6 22.9	1.719	2.680	6.5	20.8
3 12	11 55.24	+ 7 43.2	1.702	2.690	2.9	20.6
3 22	11 46.48	+ 8 58.8	1.713	2.699	3.9	20.7
4 1	11 38.24	+10 2.4	1.753	2.708	7.8	20.9
4 11	11 31.42	+10 48.6	1.819	2.716	11.5	21.2
4 21	11 26.65	+11 15.3	1.906	2.724	14.8	21.4

491020 2011 OX_{7} 3 17.8 286°.87 1°.5/16.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 15.06	+ 1 14.4	1.329	2.168	17.6	22.0
2 21	12 11.54	+ 1 49.6	1.239	2.151	13.5	21.7
3 2	12 4.95	+ 2 42.6	1.171	2.133	8.6	21.4
3 12	11 55.99	+ 3 47.3	1.125	2.115	3.2	21.0
3 22	11 45.82	+ 4 54.8	1.106	2.098	3.5	21.0
4 1	11 35.96	+ 5 54.8	1.111	2.080	9.2	21.2
4 11	11 27.89	+ 6 38.3	1.140	2.062	14.7	21.5
4 21	11 22.63	+ 7 0.4	1.188	2.045	19.4	21.7

433254 2012 WJ_{17} 3 17.8 97°.69 4°.4/12.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 14.20	+14 6.3	2.377	3.209	11.0	21.3
2 21	12 9.29	+14 51.3	2.311	3.216	8.4	21.1
3 2	12 2.65	+15 36.2	2.270	3.223	5.8	21.0
3 12	11 54.89	+16 15.3	2.258	3.229	4.4	20.9
3 22	11 46.75	+16 43.5	2.274	3.236	5.4	21.0
4 1	11 39.04	+16 57.2	2.318	3.243	7.9	21.1
4 11	11 32.48	+16 54.6	2.388	3.250	10.5	21.3
4 21	11 27.56	+16 36.0	2.481	3.256	12.9	21.5

327850 2006 XC_{24} 3 17.8 40°.50 3°.3/14.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 12.41	+ 4 35.3	1.324	2.175	16.9	20.0
2 21	12 8.94	+ 5 43.2	1.275	2.193	12.6	19.8
3 2	12 2.83	+ 7 3.0	1.247	2.212	7.8	19.6
3 12	11 55.01	+ 8 25.0	1.244	2.232	3.6	19.4
3 22	11 46.69	+ 9 38.6	1.267	2.252	5.0	19.5
4 1	11 39.16	+10 35.0	1.315	2.273	9.4	19.8
4 11	11 33.50	+11 9.0	1.386	2.295	13.6	20.1
4 21	11 30.30	+11 19.4	1.477	2.317	17.2	20.4

456821 2007 TO_{410} 3 17.8 153°.05 3°.7/13.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 15.95	+ 7 38.7	1.898	2.729	13.4	21.6
2 21	12 11.04	+ 8 53.3	1.829	2.737	10.0	21.4
3 2	12 3.96	+10 15.4	1.785	2.744	6.4	21.2
3 12	11 55.42	+11 37.0	1.768	2.751	3.8	21.1
3 22	11 46.36	+12 49.9	1.781	2.757	5.1	21.2
4 1	11 37.78	+13 47.3	1.822	2.763	8.6	21.4
4 11	11 30.62	+14 24.8	1.888	2.768	12.0	21.6
4 21	11 25.50	+14 41.4	1.975	2.772	15.0	21.8

121837 2000 BT_{27} 3 17.8 60°.65 1°.2/16.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 15.88	+ 0 48.9	1.305	2.143	17.9	19.4
2 21	12 11.84	+ 1 25.0	1.238	2.148	13.6	19.1
3 2	12 4.87	+ 2 17.8	1.192	2.154	8.5	18.8
3 12	11 55.85	+ 3 20.4	1.170	2.160	3.1	18.5
3 22	11 46.04	+ 4 23.7	1.173	2.166	3.2	18.5
4 1	11 36.91	+ 5 18.2	1.203	2.172	8.6	18.9
4 11	11 29.74	+ 5 56.4	1.256	2.178	13.6	19.2
4 21	11 25.31	+ 6 14.8	1.328	2.185	17.8	19.4

438938 2010 GR_{156} 3 17.8 27°.14 11°.4/29.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 5.45	−30 9.3	0.963	1.711	29.1	20.1
2 21	12 5.09	−29 53.4	0.893	1.714	25.7	19.8
3 2	12 1.16	−28 34.5	0.834	1.719	21.5	19.5
3 12	11 54.60	−26 5.1	0.791	1.724	16.8	19.3
3 22	11 46.94	−22 28.3	0.766	1.730	12.6	19.1
4 1	11 40.05	−18 2.2	0.764	1.736	11.5	19.0
4 11	11 35.62	−13 19.1	0.786	1.744	14.5	19.2
4 21	11 34.52	− 8 51.7	0.830	1.751	19.1	19.5

217059 2001 RK_{75} 3 17.8 180°.51 0°.1/17.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 13.95	− 2 0.0	2.602	3.396	11.3	22.3
2 21	12 9.04	− 1 17.0	2.512	3.397	8.6	22.1
3 2	12 2.50	− 0 22.5	2.447	3.398	5.5	21.9
3 12	11 54.87	+ 0 39.8	2.410	3.399	2.0	21.7
3 22	11 46.78	+ 1 45.0	2.405	3.398	1.5	21.7
4 1	11 38.97	+ 2 48.0	2.430	3.397	5.0	21.9
4 11	11 32.13	+ 3 43.7	2.484	3.394	8.3	22.1
4 21	11 26.76	+ 4 28.7	2.564	3.391	11.1	22.3

126186 2002 AU_{20} 3 17.8 12°.06 6°.8/10.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 13.26	+16 10.8	1.776	2.624	13.4	19.6
2 21	12 9.24	+17 42.3	1.713	2.624	10.4	19.4
3 2	12 2.94	+19 14.1	1.675	2.625	7.8	19.3
3 12	11 55.08	+20 36.2	1.663	2.625	6.9	19.2
3 22	11 46.63	+21 39.7	1.678	2.626	8.4	19.3
4 1	11 38.69	+22 18.5	1.719	2.626	11.3	19.5
4 11	11 32.24	+22 30.2	1.782	2.627	14.3	19.7
4 21	11 27.91	+22 16.3	1.864	2.627	17.0	19.9

322761 2001 EW_{16} 3 17.8 342°.95 0°.7/17.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 34.89	+ 6 45.7	1.024	1.860	21.9	19.8
2 21	12 27.53	+ 5 32.9	0.950	1.857	17.0	19.4
3 2	12 15.55	+ 4 19.9	0.894	1.854	11.0	19.1
3 12	12 0.03	+ 3 3.9	0.862	1.852	4.1	18.7
3 22	11 42.94	+ 1 44.3	0.856	1.850	3.3	18.6
4 1	11 26.78	+ 0 21.3	0.876	1.849	10.4	19.0
4 11	11 13.76	− 1 4.0	0.920	1.848	16.7	19.3
4 21	11 5.07	− 2 30.9	0.982	1.847	21.9	19.7

384211 2009 CF_{29} 3 17.8 31°.28 0°.6/18.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 13.17	− 1 52.9	2.025	2.833	13.6	21.2
2 21	12 8.85	− 1 45.9	1.946	2.838	10.4	21.0
3 2	12 2.56	− 1 26.9	1.890	2.843	6.7	20.8
3 12	11 54.92	− 0 59.0	1.860	2.848	2.7	20.5
3 22	11 46.76	− 0 26.7	1.859	2.853	1.7	20.4
4 1	11 38.99	+ 0 5.2	1.886	2.859	5.7	20.7
4 11	11 32.47	+ 0 31.6	1.940	2.864	9.4	20.9
4 21	11 27.77	+ 0 49.0	2.018	2.871	12.7	21.2

34943 1286 $T\text{-}_1$ 3 17.8 337°.90 2°.7/21.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 6.44	−11 53.2	1.901	2.684	15.3	18.9
2 21	12 4.05	−11 5.6	1.804	2.675	12.3	18.7
3 2	11 59.68	− 9 52.9	1.730	2.666	8.7	18.4
3 12	11 53.90	− 8 17.8	1.680	2.657	4.9	18.2
3 22	11 47.49	− 6 26.6	1.658	2.649	2.8	18.0
4 1	11 41.38	− 4 28.0	1.665	2.642	5.7	18.2
4 11	11 36.44	− 2 32.4	1.698	2.636	9.6	18.4
4 21	11 33.31	− 0 48.5	1.757	2.630	13.3	18.6

41433 2000 GY_{51} 3 17.8 179°.87 0°.7/18.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 14.78	− 4 47.6	1.637	2.445	16.3	18.5
2 21	12 10.59	− 4 5.1	1.555	2.446	12.6	18.2
3 2	12 3.92	− 3 2.1	1.494	2.447	8.2	18.0
3 12	11 55.50	− 1 43.2	1.460	2.447	3.4	17.7
3 22	11 46.33	− 0 16.1	1.453	2.447	2.0	17.6
4 1	11 37.61	+ 1 9.9	1.473	2.446	6.9	17.9
4 11	11 30.44	+ 2 25.8	1.520	2.445	11.5	18.2
4 21	11 25.54	+ 3 25.3	1.590	2.444	15.4	18.4

412066 2013 EV_{90} 3 17.8 321°.44 5°.4/22.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 6.95	−14 25.4	1.254	2.056	20.7	20.1
2 21	12 5.54	−14 16.5	1.161	2.037	17.1	19.8
3 2	12 1.23	−13 32.3	1.085	2.019	12.8	19.5
3 12	11 54.65	−12 11.6	1.029	2.001	8.2	19.1
3 22	11 46.88	−10 19.0	0.997	1.985	5.4	18.9
4 1	11 39.39	− 8 5.9	0.989	1.969	8.0	19.0
4 11	11 33.65	− 5 48.4	1.004	1.954	13.1	19.2
4 21	11 30.66	− 3 42.0	1.040	1.941	18.1	19.5

491271 2011 UL_{320} 3 17.8 207°.41 5°.7/11.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 18.81	+14 23.9	1.993	2.825	12.9	22.2
2 21	12 13.28	+15 38.8	1.914	2.818	9.9	22.0
3 2	12 5.47	+16 55.7	1.861	2.811	7.1	21.8
3 12	11 56.04	+18 6.2	1.835	2.803	5.7	21.7
3 22	11 45.94	+19 2.3	1.838	2.794	7.1	21.8
4 1	11 36.23	+19 37.9	1.868	2.784	10.0	21.9
4 11	11 27.93	+19 50.4	1.923	2.774	13.2	22.1
4 21	11 21.74	+19 40.1	1.999	2.762	16.0	22.3

163517 2002 TX_{13} 3 17.8 186°.26 1°.5/16.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 12.22	+ 3 18.1	2.363	3.181	11.6	20.1
2 21	12 7.89	+ 3 59.3	2.280	3.181	8.7	19.9
3 2	12 1.85	+ 4 48.8	2.221	3.181	5.4	19.7
3 12	11 54.65	+ 5 42.1	2.191	3.180	2.1	19.5
3 22	11 46.99	+ 6 34.0	2.190	3.179	2.7	19.5
4 1	11 39.63	+ 7 19.3	2.219	3.178	6.0	19.7
4 11	11 33.32	+ 7 53.8	2.275	3.177	9.3	19.9
4 21	11 28.57	+ 8 15.1	2.354	3.175	12.2	20.1

32311 Josephineyu 3 17.8 292°.80 0°.4/17.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 12.82	− 0 42.8	1.744	2.565	14.9	19.2
2 21	12 9.04	− 0 12.6	1.654	2.555	11.4	18.9
3 2	12 2.93	+ 0 32.6	1.587	2.546	7.2	18.7
3 12	11 55.15	+ 1 28.1	1.547	2.536	2.6	18.4
3 22	11 46.59	+ 2 27.6	1.533	2.526	2.2	18.3
4 1	11 38.37	+ 3 23.6	1.547	2.517	7.0	18.6
4 11	11 31.52	+ 4 9.3	1.586	2.508	11.3	18.8
4 21	11 26.78	+ 4 40.2	1.648	2.499	15.2	19.0

499013 2009 CW_{50} 3 17.8 33°.06 6°.0/10.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 9.32	+13 40.4	1.884	2.735	12.6	20.3
2 21	12 6.09	+15 28.7	1.828	2.742	9.6	20.1
3 2	12 0.86	+17 19.3	1.796	2.750	6.9	20.0
3 12	11 54.31	+19 2.4	1.793	2.759	6.0	19.9
3 22	11 47.27	+20 29.0	1.817	2.768	7.6	20.1
4 1	11 40.70	+21 32.4	1.867	2.777	10.4	20.2
4 11	11 35.43	+22 9.8	1.940	2.786	13.3	20.4
4 21	11 32.03	+22 21.4	2.033	2.796	15.8	20.6

205319 2000 UY_{24} 3 17.8 162°.62 1°.8/15.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 17.09	+ 3 13.5	1.950	2.768	13.6	21.3
2 21	12 11.87	+ 4 2.2	1.873	2.774	10.2	21.1
3 2	12 4.50	+ 5 1.3	1.821	2.780	6.4	20.9
3 12	11 55.67	+ 6 4.8	1.796	2.785	2.5	20.7
3 22	11 46.27	+ 7 5.9	1.801	2.789	3.2	20.7
4 1	11 37.33	+ 7 58.0	1.834	2.792	7.2	21.0
4 11	11 29.78	+ 8 36.0	1.894	2.795	10.9	21.2
4 21	11 24.23	+ 8 57.6	1.977	2.797	14.2	21.4

42388 4111 $P\text{–}L$ 3 17.8 93°.27 0°.1/17.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 16.40	− 1 18.4	1.980	2.785	13.9	20.2
2 21	12 11.18	− 0 57.9	1.914	2.806	10.6	20.0
3 2	12 3.95	− 0 25.4	1.872	2.826	6.7	19.8
3 12	11 55.43	+ 0 15.3	1.858	2.846	2.5	19.6
3 22	11 46.49	+ 0 58.7	1.872	2.866	1.8	19.6
4 1	11 38.10	+ 1 39.4	1.915	2.885	5.9	19.9
4 11	11 31.10	+ 2 12.3	1.985	2.904	9.6	20.1
4 21	11 26.03	+ 2 34.3	2.080	2.923	12.7	20.4

63958 2001 SV_{67} 3 17.8 117°.91 2°.1/15.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 16.51	+ 2 15.9	1.626	2.453	15.5	19.6
2 21	12 11.71	+ 3 21.5	1.562	2.468	11.6	19.3
3 2	12 4.49	+ 4 40.4	1.522	2.483	7.2	19.1
3 12	11 55.67	+ 6 4.8	1.508	2.497	2.8	18.9
3 22	11 46.31	+ 7 25.8	1.522	2.510	3.7	19.0
4 1	11 37.58	+ 8 34.6	1.564	2.523	8.1	19.2
4 11	11 30.49	+ 9 25.2	1.631	2.536	12.2	19.5
4 21	11 25.70	+ 9 55.2	1.720	2.548	15.7	19.8

437558 2013 YY_{150} 3 17.8 84°.85 3°.8/13.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 13.26	+10 21.8	2.240	3.073	11.6	21.2
2 21	12 8.60	+11 25.2	2.186	3.094	8.6	21.0
3 2	12 2.22	+12 31.4	2.158	3.115	5.7	20.9
3 12	11 54.77	+13 33.9	2.158	3.136	3.8	20.8
3 22	11 46.99	+14 26.8	2.187	3.157	4.9	20.9
4 1	11 39.71	+15 5.3	2.244	3.178	7.6	21.1
4 11	11 33.63	+15 27.0	2.327	3.198	10.4	21.3
4 21	11 29.21	+15 31.4	2.432	3.218	12.9	21.5

15040 1998 XC 3 17.8 182°.16 2°.2/19.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 16.93	− 7 20.4	1.799	2.587	15.8	17.8
2 21	12 12.06	− 7 5.6	1.712	2.589	12.5	17.6
3 2	12 4.80	− 6 31.6	1.647	2.589	8.5	17.3
3 12	11 55.84	− 5 40.8	1.607	2.589	4.3	17.1
3 22	11 46.15	− 4 38.3	1.595	2.588	2.4	16.9
4 1	11 36.85	− 3 31.4	1.612	2.587	6.2	17.2
4 11	11 29.01	− 2 27.8	1.656	2.585	10.5	17.4
4 21	11 23.35	− 1 34.0	1.723	2.582	14.2	17.6

268459 2005 WN_{117} 3 17.8 43°.80 7°.1/12.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 19.25	+18 2.3	1.618	2.461	14.8	19.9
2 21	12 13.82	+18 51.3	1.563	2.470	11.5	19.7
3 2	12 5.82	+19 36.1	1.531	2.479	8.5	19.6
3 12	11 56.16	+20 7.7	1.524	2.488	7.1	19.5
3 22	11 46.00	+20 19.3	1.544	2.498	8.4	19.6
4 1	11 36.61	+20 7.0	1.589	2.508	11.3	19.8
4 11	11 29.07	+19 30.8	1.657	2.518	14.4	20.0
4 21	11 24.00	+18 33.8	1.745	2.529	17.2	20.2

176947 2002 XR_{8} 3 17.8 323°.93 5°.4/11.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 13.41	+15 3.6	2.091	2.930	12.0	19.7
2 21	12 9.04	+16 3.4	2.020	2.928	9.2	19.5
3 2	12 2.69	+17 3.5	1.973	2.925	6.6	19.3
3 12	11 55.00	+17 56.6	1.954	2.923	5.4	19.2
3 22	11 46.80	+18 36.3	1.963	2.920	6.6	19.3
4 1	11 39.01	+18 57.7	1.998	2.918	9.3	19.4
4 11	11 32.48	+18 58.8	2.058	2.916	12.2	19.6
4 21	11 27.79	+18 40.0	2.139	2.914	14.7	19.8

197024 2003 UG_{116} 3 17.8 109°.15 1°.6/15.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 13.08	+ 3 21.5	2.183	3.003	12.3	20.4
2 21	12 8.59	+ 4 6.4	2.112	3.014	9.2	20.2
3 2	12 2.30	+ 4 59.9	2.066	3.026	5.7	20.0
3 12	11 54.83	+ 5 56.9	2.048	3.037	2.3	19.8
3 22	11 46.94	+ 6 51.5	2.059	3.047	2.9	19.9
4 1	11 39.47	+ 7 38.3	2.099	3.058	6.4	20.1
4 11	11 33.18	+ 8 13.0	2.166	3.068	9.7	20.3
4 21	11 28.59	+ 8 33.4	2.256	3.078	12.6	20.6

20047 1993 FD_{18} 3 17.8 168°.83 3°.4/13.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 15.73	+11 21.6	2.655	3.476	10.3	19.5
2 21	12 10.32	+12 9.7	2.580	3.482	7.8	19.3
3 2	12 3.28	+12 59.9	2.532	3.486	5.2	19.2
3 12	11 55.18	+13 47.0	2.512	3.490	3.5	19.0
3 22	11 46.69	+14 26.0	2.523	3.493	4.4	19.1
4 1	11 38.55	+14 53.1	2.564	3.495	6.9	19.3
4 11	11 31.44	+15 6.0	2.632	3.497	9.6	19.4
4 21	11 25.85	+15 4.1	2.723	3.498	11.9	19.6

125992 2001 YR_{36} 3 17.8 3°.83 1°.0/17.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 12.15	+ 0 59.9	1.100	1.955	19.3	18.7
2 21	12 9.52	+ 1 19.3	1.034	1.953	14.7	18.5
3 2	12 3.67	+ 1 56.4	0.988	1.953	9.3	18.1
3 12	11 55.52	+ 2 44.7	0.964	1.954	3.4	17.8
3 22	11 46.42	+ 3 35.1	0.963	1.956	3.3	17.8
4 1	11 38.00	+ 4 17.6	0.986	1.960	9.2	18.1
4 11	11 31.72	+ 4 44.0	1.030	1.964	14.6	18.5
4 21	11 28.41	+ 4 50.5	1.093	1.970	19.2	18.7

286296 2001 WB_{9} 3 17.8 132°.91 2°.1/15.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 17.39	+ 3 4.4	1.700	2.525	15.0	21.6
2 21	12 12.32	+ 3 59.8	1.633	2.538	11.3	21.4
3 2	12 4.87	+ 5 6.9	1.589	2.549	7.0	21.2
3 12	11 55.83	+ 6 18.8	1.571	2.560	2.8	20.9
3 22	11 46.23	+ 7 27.2	1.582	2.571	3.6	21.0
4 1	11 37.21	+ 8 24.5	1.622	2.580	7.9	21.3
4 11	11 29.80	+ 9 5.2	1.686	2.590	11.9	21.5
4 21	11 24.63	+ 9 27.0	1.773	2.598	15.3	21.8

287662 2003 NW_{6} 3 17.8 228°.06 4°.4/13.0 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 17.31	+10 50.5	2.112	2.940	12.4	21.9
2 21	12 12.12	+12 2.3	2.020	2.925	9.4	21.7
3 2	12 4.76	+13 19.7	1.955	2.910	6.3	21.5
3 12	11 55.83	+14 35.3	1.917	2.894	4.4	21.3
3 22	11 46.17	+15 41.4	1.909	2.877	5.8	21.4
4 1	11 36.77	+16 31.3	1.929	2.858	9.0	21.5
4 11	11 28.61	+17 1.0	1.975	2.839	12.3	21.7
4 21	11 22.37	+17 9.5	2.043	2.819	15.3	21.8

110587 2001 TT_{122} 3 17.8 187°.22 0°.6/17.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 15.82	+ 0 44.6	2.519	3.320	11.5	20.3
2 21	12 10.52	+ 1 13.7	2.429	3.319	8.7	20.1
3 2	12 3.50	+ 1 52.1	2.363	3.318	5.5	19.9
3 12	11 55.30	+ 2 36.1	2.327	3.316	2.0	19.7
3 22	11 46.61	+ 3 21.3	2.321	3.313	1.9	19.7
4 1	11 38.20	+ 4 2.9	2.346	3.310	5.4	19.9
4 11	11 30.82	+ 4 36.8	2.399	3.306	8.7	20.1
4 21	11 25.00	+ 5 0.3	2.477	3.301	11.5	20.3

306049 2010 FW_{90} 3 17.8 307°.42 0°.8/17.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 10.51	− 1 53.4	1.303	2.143	17.9	21.1
2 21	12 8.07	− 1 0.7	1.215	2.126	13.7	20.8
3 2	12 2.75	+ 0 15.9	1.148	2.110	8.8	20.4
3 12	11 55.23	+ 1 50.3	1.104	2.094	3.2	20.0
3 22	11 46.60	+ 3 32.3	1.085	2.078	3.0	20.0
4 1	11 38.29	+ 5 9.2	1.091	2.063	8.9	20.3
4 11	11 31.72	+ 6 29.4	1.121	2.048	14.4	20.5
4 21	11 27.81	+ 7 25.5	1.170	2.034	19.1	20.8

401089 2011 UP_{139} 3 17.8 228°.90 0°.2/17.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 16.08	− 1 47.9	1.622	2.438	16.0	22.0
2 21	12 11.67	− 1 24.7	1.536	2.434	12.3	21.7
3 2	12 4.70	− 0 45.0	1.473	2.429	7.9	21.4
3 12	11 55.86	+ 0 6.7	1.434	2.423	3.0	21.1
3 22	11 46.18	+ 1 4.0	1.423	2.418	2.1	21.0
4 1	11 36.91	+ 1 59.0	1.440	2.412	7.2	21.3
4 11	11 29.19	+ 2 44.6	1.482	2.406	11.8	21.6
4 21	11 23.82	+ 3 15.6	1.546	2.399	15.8	21.8

256309 2006 WJ_{186} 3 17.8 113°.46 2°.5/15.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 18.49	+ 6 23.2	1.833	2.658	14.1	20.9
2 21	12 12.98	+ 6 53.1	1.765	2.670	10.5	20.7
3 2	12 5.21	+ 7 29.6	1.721	2.681	6.6	20.5
3 12	11 55.95	+ 8 6.8	1.704	2.691	3.0	20.3
3 22	11 46.18	+ 8 38.6	1.716	2.702	3.8	20.4
4 1	11 36.98	+ 8 59.8	1.756	2.712	7.6	20.6
4 11	11 29.32	+ 9 7.0	1.822	2.722	11.4	20.9
4 21	11 23.81	+ 8 59.0	1.910	2.731	14.6	21.1

73226 2002 JW_{25} 3 17.8 9°.25 2°.5/15.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 13.78	+ 3 22.0	1.480	2.320	16.1	19.5
2 21	12 10.03	+ 4 18.8	1.408	2.321	12.1	19.2
3 2	12 3.66	+ 5 29.4	1.357	2.321	7.5	18.9
3 12	11 55.46	+ 6 46.1	1.332	2.321	3.2	18.7
3 22	11 46.50	+ 7 59.5	1.334	2.322	4.2	18.7
4 1	11 38.08	+ 9 0.3	1.361	2.322	8.8	19.0
4 11	11 31.34	+ 9 42.0	1.413	2.323	13.3	19.3
4 21	11 27.01	+10 1.7	1.485	2.324	17.1	19.5

501302 2013 WD_{69} 3 17.8 164°.81 0°.6/18.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 12.99	− 3 42.0	2.435	3.227	12.0	22.2
2 21	12 8.43	− 3 9.1	2.349	3.232	9.3	22.0
3 2	12 2.19	− 2 23.6	2.287	3.236	6.0	21.8
3 12	11 54.82	− 1 28.7	2.253	3.240	2.5	21.6
3 22	11 46.99	− 0 29.0	2.249	3.244	1.4	21.5
4 1	11 39.48	+ 0 30.0	2.276	3.246	5.0	21.8
4 11	11 32.99	+ 1 23.2	2.330	3.249	8.3	22.0
4 21	11 28.05	+ 2 6.7	2.410	3.250	11.3	22.2

498950 2009 BQ_{71} 3 17.8 80°.32 5°.4/23.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 15.63	−15 59.8	2.243	2.976	14.7	20.9
2 21	12 10.65	−16 37.3	2.160	2.988	12.2	20.8
3 2	12 3.71	−16 56.2	2.100	2.999	9.5	20.6
3 12	11 55.41	−16 56.0	2.064	3.011	6.9	20.5
3 22	11 46.56	−16 37.8	2.055	3.023	5.4	20.4
4 1	11 38.06	−16 5.2	2.075	3.035	6.3	20.5
4 11	11 30.77	−15 23.9	2.121	3.046	8.7	20.6
4 21	11 25.28	−14 39.9	2.193	3.058	11.3	20.8

140443 2001 TR_{114} 3 17.8 166°.77 1°.0/16.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 16.03	+ 2 7.2	2.102	2.915	13.0	19.8
2 21	12 10.97	+ 2 35.9	2.021	2.918	9.8	19.6
3 2	12 3.90	+ 3 14.2	1.964	2.922	6.1	19.4
3 12	11 55.48	+ 3 57.6	1.935	2.924	2.2	19.1
3 22	11 46.52	+ 4 40.9	1.935	2.926	2.4	19.1
4 1	11 37.95	+ 5 18.5	1.964	2.928	6.3	19.4
4 11	11 30.63	+ 5 46.0	2.021	2.930	10.0	19.6
4 21	11 25.16	+ 6 0.8	2.101	2.930	13.1	19.8

378771 2008 RS_{143} 3 17.8 282.°43 0.°5/17.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 12.63	− 0 19.3	1.938	2.755	13.8	21.7
2 21	12 8.61	+ 0 13.9	1.854	2.753	10.5	21.5
3 2	12 2.52	+ 1 0.0	1.794	2.751	6.6	21.3
3 12	11 54.99	+ 1 54.6	1.760	2.750	2.4	21.0
3 22	11 46.87	+ 2 51.6	1.755	2.748	2.1	21.0
4 1	11 39.11	+ 3 44.7	1.778	2.746	6.4	21.2
4 11	11 32.61	+ 4 27.8	1.827	2.745	10.3	21.5
4 21	11 28.00	+ 4 57.4	1.900	2.743	13.7	21.7

364191 2006 PU_{43} 3 17.8 201.°20 0.°3/17.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 15.31	− 1 7.8	2.130	2.934	13.1	22.5
2 21	12 10.50	− 0 28.0	2.038	2.930	10.0	22.3
3 2	12 3.67	+ 0 25.0	1.970	2.925	6.4	22.1
3 12	11 55.42	+ 1 26.9	1.930	2.919	2.3	21.8
3 22	11 46.55	+ 2 32.1	1.920	2.913	2.0	21.8
4 1	11 37.99	+ 3 34.1	1.939	2.906	6.1	22.0
4 11	11 30.61	+ 4 26.9	1.986	2.899	9.9	22.2
4 21	11 25.04	+ 5 6.5	2.057	2.890	13.2	22.4

146620 2001 TK_{229} 3 17.8 100.°26 6.°9/12.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 20.85	+18 36.4	1.800	2.634	13.9	19.8
2 21	12 14.82	+19 27.8	1.743	2.644	10.9	19.6
3 2	12 6.38	+20 14.9	1.710	2.654	8.1	19.5
3 12	11 56.38	+20 49.1	1.704	2.664	6.9	19.4
3 22	11 45.93	+21 4.1	1.725	2.674	8.1	19.5
4 1	11 36.20	+20 56.1	1.772	2.683	10.8	19.7
4 11	11 28.21	+20 25.2	1.843	2.693	13.7	19.9
4 21	11 22.54	+19 34.2	1.935	2.702	16.3	20.1

125382 2001 VD_{80} 3 17.8 107.°77 8.°3/ 8.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 17.74	+23 30.3	1.987	2.821	12.8	19.3
2 21	12 12.31	+24 59.7	1.945	2.837	10.4	19.2
3 2	12 4.72	+26 21.2	1.927	2.852	8.7	19.1
3 12	11 55.75	+27 25.4	1.936	2.868	8.4	19.1
3 22	11 46.40	+28 5.9	1.971	2.882	9.7	19.2
4 1	11 37.71	+28 19.2	2.031	2.897	11.8	19.4
4 11	11 30.59	+28 5.8	2.113	2.911	14.0	19.5
4 21	11 25.57	+27 28.8	2.214	2.925	16.1	19.7

214898 2007 TD_{58} 3 17.8 50.°18 0.°5/17.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 15.45	− 0 11.4	1.373	2.206	17.5	20.7
2 21	12 11.33	+ 0 13.5	1.311	2.217	13.3	20.5
3 2	12 4.47	+ 0 54.5	1.269	2.229	8.4	20.2
3 12	11 55.75	+ 1 45.5	1.252	2.242	3.0	19.9
3 22	11 46.38	+ 2 38.8	1.261	2.254	2.6	19.9
4 1	11 37.71	+ 3 26.1	1.296	2.267	7.8	20.3
4 11	11 30.92	+ 4 0.4	1.355	2.280	12.5	20.6
4 21	11 26.69	+ 4 18.1	1.434	2.294	16.5	20.9

226719 2004 PF_{34} 3 17.8 137.°51 3.°0/13.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 12.95	+ 6 56.5	2.317	3.143	11.5	21.4
2 21	12 8.43	+ 8 15.9	2.249	3.155	8.5	21.2
3 2	12 2.19	+ 9 42.0	2.207	3.167	5.4	21.1
3 12	11 54.82	+11 8.0	2.195	3.178	3.1	20.9
3 22	11 47.05	+12 27.1	2.212	3.188	4.3	21.0
4 1	11 39.68	+13 33.2	2.259	3.199	7.2	21.2
4 11	11 33.41	+14 22.5	2.332	3.208	10.2	21.4
4 21	11 28.76	+14 53.5	2.429	3.217	12.8	21.6

104121 2000 ET_{55} 3 17.8 130.°18 1.°3/19.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 16.36	− 5 44.0	2.084	2.870	14.0	20.6
2 21	12 11.16	− 5 19.9	2.008	2.886	10.9	20.4
3 2	12 3.99	− 4 40.2	1.956	2.901	7.2	20.2
3 12	11 55.51	− 3 48.4	1.931	2.916	3.3	20.0
3 22	11 46.56	− 2 49.3	1.936	2.929	1.8	19.9
4 1	11 38.07	− 1 49.2	1.970	2.943	5.4	20.2
4 11	11 30.89	− 0 54.1	2.032	2.955	9.1	20.4
4 21	11 25.57	− 0 8.9	2.118	2.967	12.3	20.6

79067 3221 $T\text{-}_{3}$ 3 17.8 159.°15 0.°2/18.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 12.20	− 2 10.4	2.423	3.223	11.9	20.0
2 21	12 7.85	− 1 39.7	2.338	3.227	9.1	19.8
3 2	12 1.84	− 0 57.4	2.278	3.230	5.8	19.6
3 12	11 54.71	− 0 7.1	2.245	3.233	2.2	19.4
3 22	11 47.13	+ 0 46.8	2.243	3.237	1.5	19.3
4 1	11 39.86	+ 1 39.0	2.269	3.239	5.1	19.6
4 11	11 33.61	+ 2 24.7	2.324	3.242	8.4	19.8
4 21	11 28.88	+ 3 0.4	2.404	3.244	11.3	20.0

291992 2006 QB_{107} 3 17.8 268.°54 5.°0/21.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 19.16	−11 51.0	1.878	2.639	16.2	21.7
2 21	12 14.12	−12 27.5	1.762	2.614	13.4	21.4
3 2	12 6.44	−12 46.1	1.667	2.588	10.1	21.1
3 12	11 56.64	−12 45.5	1.596	2.561	6.7	20.9
3 22	11 45.61	−12 26.1	1.553	2.534	5.0	20.7
4 1	11 34.57	−11 51.4	1.537	2.506	7.2	20.8
4 11	11 24.77	−11 7.9	1.548	2.477	11.0	20.9
4 21	11 17.21	−10 23.2	1.583	2.448	14.9	21.1

34174 2000 QP_{38} 3 17.8 74.°41 3.°7/12.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 10.41	+ 8 40.6	2.238	3.073	11.5	18.7
2 21	12 6.54	+10 12.6	2.183	3.093	8.5	18.5
3 2	12 0.99	+11 49.5	2.154	3.113	5.5	18.4
3 12	11 54.38	+13 23.9	2.153	3.132	3.7	18.3
3 22	11 47.42	+14 48.5	2.182	3.152	5.0	18.4
4 1	11 40.89	+15 57.4	2.240	3.172	7.8	18.6
4 11	11 35.49	+16 47.0	2.324	3.191	10.6	18.8
4 21	11 31.68	+17 16.5	2.430	3.210	13.0	19.0

192520 1998 RS_{63} 3 17.8 133.°47 1.°5/16.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 18.75	+ 1 45.1	1.759	2.576	14.9	21.1
2 21	12 13.26	+ 2 34.7	1.691	2.591	11.2	20.9
3 2	12 5.45	+ 3 36.7	1.647	2.606	7.0	20.7
3 12	11 56.08	+ 4 44.5	1.630	2.620	2.6	20.4
3 22	11 46.19	+ 5 50.6	1.642	2.633	3.1	20.5
4 1	11 36.89	+ 6 47.7	1.683	2.645	7.4	20.8
4 11	11 29.18	+ 7 30.1	1.750	2.656	11.4	21.0
4 21	11 23.69	+ 7 55.2	1.840	2.667	14.8	21.3

322788 2001 QX_{63} 3 17.8 220.°36 1.°2/16.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 13.31	+ 0 34.5	2.381	3.188	11.8	22.0
2 21	12 8.85	+ 1 39.5	2.281	3.177	8.9	21.8
3 2	12 2.58	+ 2 57.0	2.208	3.165	5.6	21.6
3 12	11 55.03	+ 4 22.2	2.163	3.152	2.1	21.3
3 22	11 46.90	+ 5 48.6	2.149	3.139	2.5	21.3
4 1	11 38.98	+ 7 9.4	2.165	3.124	6.2	21.5
4 11	11 32.05	+ 8 18.7	2.210	3.109	9.6	21.7
4 21	11 26.71	+ 9 12.6	2.278	3.094	12.7	21.9

216332 2007 VN_{133} 3 17.8 96.°16 3.°9/22.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 13.59	−13 34.7	2.423	3.168	13.4	20.4
2 21	12 8.89	−13 43.1	2.344	3.184	10.9	20.2
3 2	12 2.49	−13 34.3	2.287	3.201	8.1	20.1
3 12	11 54.95	−13 9.2	2.257	3.217	5.4	19.9
3 22	11 46.99	−12 30.4	2.254	3.234	3.9	19.9
4 1	11 39.40	−11 42.2	2.281	3.250	5.2	20.0
4 11	11 32.90	−10 50.1	2.336	3.265	7.8	20.2
4 21	11 28.00	− 9 59.5	2.416	3.281	10.4	20.4

466307 2013 QY_{43} 3 17.8 230.°72 2.°3/19.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 14.27	− 7 29.5	1.909	2.698	15.0	22.0
2 21	12 9.98	− 7 23.0	1.817	2.693	11.9	21.8
3 2	12 3.49	− 6 58.6	1.747	2.688	8.2	21.5
3 12	11 55.42	− 6 18.5	1.702	2.683	4.3	21.3
3 22	11 46.63	− 5 26.7	1.686	2.678	2.5	21.1
4 1	11 38.15	− 4 29.5	1.697	2.672	5.9	21.3
4 11	11 30.96	− 3 33.9	1.736	2.667	9.9	21.6
4 21	11 25.77	− 2 45.9	1.798	2.661	13.5	21.8

173021 2006 QW_{1} 3 17.8 205.°89 1.°5/16.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 16.20	+ 2 49.7	2.162	2.975	12.7	21.2
2 21	12 11.15	+ 3 34.0	2.071	2.969	9.6	21.0
3 2	12 4.09	+ 4 28.5	2.005	2.963	6.0	20.7
3 12	11 55.61	+ 5 28.1	1.967	2.955	2.3	20.5
3 22	11 46.50	+ 6 26.7	1.958	2.947	2.9	20.5
4 1	11 37.70	+ 7 18.4	1.979	2.939	6.7	20.7
4 11	11 30.07	+ 7 58.1	2.028	2.929	10.3	20.9
4 21	11 24.26	+ 8 22.9	2.100	2.919	13.5	21.1

153160 2000 SX_{313} 3 17.8 209.°53 5.°6/24.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 12.10	−19 36.6	2.590	3.297	13.5	19.7
2 21	12 7.88	−19 59.9	2.491	3.296	11.5	19.6
3 2	12 1.95	−20 4.4	2.413	3.294	9.2	19.4
3 12	11 54.80	−19 49.5	2.359	3.292	7.1	19.3
3 22	11 47.10	−19 16.1	2.332	3.290	5.7	19.2
4 1	11 39.61	−18 27.6	2.334	3.288	6.2	19.2
4 11	11 33.10	−17 29.2	2.362	3.285	8.0	19.3
4 21	11 28.10	−16 26.9	2.417	3.283	10.4	19.5

520015 2013 UY_{20} 3 17.8 149.°27 5.°4/11.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 17.19	+17 18.5	2.351	3.179	11.3	21.8
2 21	12 11.62	+18 14.8	2.288	3.187	8.7	21.6
3 2	12 4.20	+19 9.0	2.250	3.195	6.4	21.5
3 12	11 55.59	+19 54.3	2.241	3.202	5.4	21.4
3 22	11 46.58	+20 25.5	2.260	3.208	6.6	21.5
4 1	11 38.04	+20 38.7	2.308	3.214	8.9	21.7
4 11	11 30.74	+20 32.8	2.380	3.220	11.3	21.8
4 21	11 25.21	+20 8.9	2.475	3.225	13.6	22.0

425053 2009 QM_{33} 3 17.8 160.°96 4.°5/23.1 15

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 16.20	−16 0.4	2.583	3.304	13.2	23.0
2 21	12 10.87	−16 13.0	2.490	3.312	11.0	22.9
3 2	12 3.77	−16 8.2	2.420	3.319	8.4	22.7
3 12	11 55.46	−15 45.9	2.375	3.326	5.9	22.6
3 22	11 46.64	−15 7.9	2.360	3.331	4.5	22.5
4 1	11 38.11	−14 18.2	2.374	3.336	5.5	22.5
4 11	11 30.63	−13 22.1	2.416	3.340	7.8	22.7
4 21	11 24.74	−12 25.3	2.485	3.344	10.4	22.9

519244 2010 XB_{75} 3 17.8 62°.88 9°.0/ 8.8 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 15.15	+20 52.4	1.600	2.451	14.5	21.3
2 21	12 10.84	+22 39.3	1.557	2.463	11.7	21.1
3 2	12 4.02	+24 19.9	1.538	2.475	9.5	21.0
3 12	11 55.56	+25 42.7	1.544	2.488	9.1	21.0
3 22	11 46.62	+26 38.6	1.575	2.501	10.7	21.1
4 1	11 38.40	+27 2.9	1.630	2.514	13.2	21.3
4 11	11 31.95	+26 55.6	1.705	2.526	15.9	21.5
4 21	11 27.87	+26 20.5	1.799	2.540	18.3	21.7

26045 1582 T_{-2} 3 17.8 265°.12 0°.1/17.9 18

2 11	12 15.63	− 2 16.9	1.467	2.289	17.1	19.1
2 21	12 11.77	− 1 46.7	1.373	2.273	13.3	18.8
3 2	12 5.05	− 0 56.7	1.300	2.257	8.6	18.5
3 12	11 56.13	+ 0 8.8	1.252	2.241	3.3	18.2
3 22	11 46.10	+ 1 22.2	1.230	2.224	2.4	18.0
4 1	11 36.33	+ 2 34.0	1.235	2.207	8.0	18.3
4 11	11 28.21	+ 3 34.7	1.264	2.190	13.2	18.6
4 21	11 22.67	+ 4 17.8	1.314	2.172	17.8	18.8

94824 2001 XY_{183} 3 17.8 147°.35 0°.8/18.6 18

2 11	12 16.55	− 4 34.7	1.815	2.614	15.3	20.4
2 21	12 11.65	− 4 0.1	1.738	2.624	11.8	20.2
3 2	12 4.48	− 3 7.9	1.683	2.633	7.7	20.0
3 12	11 55.76	− 2 2.6	1.654	2.641	3.2	19.7
3 22	11 46.45	− 0 50.3	1.654	2.648	1.8	19.6
4 1	11 37.61	+ 0 21.0	1.683	2.655	6.3	19.9
4 11	11 30.24	+ 1 24.1	1.739	2.661	10.4	20.2
4 21	11 24.98	+ 2 13.7	1.818	2.667	14.0	20.4

415307 2013 GT_{104} 3 17.8 259°.25 2°.9/15.5 16

2 11	12 18.06	+ 6 14.8	1.699	2.530	14.8	21.3
2 21	12 13.20	+ 6 49.9	1.607	2.515	11.2	21.0
3 2	12 5.73	+ 7 34.0	1.539	2.499	7.1	20.7
3 12	11 56.32	+ 8 20.6	1.496	2.483	3.4	20.5
3 22	11 45.99	+ 9 2.6	1.481	2.467	4.4	20.5
4 1	11 35.97	+ 9 32.9	1.494	2.450	8.7	20.7
4 11	11 27.45	+ 9 46.7	1.531	2.433	13.0	20.9
4 21	11 21.29	+ 9 41.9	1.590	2.416	16.8	21.1

14427 1991 VJ_2 3 17.8 190°.55 1°.1/18.9 18

2 11	12 16.63	− 5 35.5	1.968	2.758	14.6	18.9
2 21	12 11.67	− 5 1.9	1.877	2.757	11.4	18.7
3 2	12 4.52	− 4 10.6	1.809	2.756	7.5	18.4
3 12	11 55.80	− 3 5.0	1.767	2.753	3.3	18.2
3 22	11 46.40	− 1 50.9	1.755	2.749	1.8	18.0
4 1	11 37.34	− 0 35.6	1.772	2.745	6.0	18.3
4 11	11 29.59	+ 0 33.4	1.817	2.739	10.1	18.5
4 21	11 23.83	+ 1 30.5	1.886	2.733	13.7	18.7

217879 2001 QS_{248} 3 17.8 164°.61 1°.7/15.9 18

2 11	12 16.24	+ 4 18.7	2.399	3.211	11.6	21.2
2 21	12 10.88	+ 4 57.6	2.319	3.217	8.7	21.1
3 2	12 3.76	+ 5 43.7	2.265	3.223	5.4	20.9
3 12	11 55.45	+ 6 32.4	2.240	3.228	2.2	20.7
3 22	11 46.69	+ 7 18.6	2.244	3.232	2.8	20.7
4 1	11 38.30	+ 7 57.4	2.279	3.235	6.1	20.9
4 11	11 31.02	+ 8 25.1	2.342	3.238	9.3	21.1
4 21	11 25.38	+ 8 39.8	2.429	3.240	12.1	21.3

94547 2001 UD_{205} 3 17.8 330°.98 0°.6/17.4 18

2 11	12 14.94	+ 0 44.7	1.223	2.066	18.5	19.0
2 21	12 11.58	+ 0 52.6	1.144	2.057	14.3	18.7
3 2	12 5.06	+ 1 16.6	1.086	2.048	9.1	18.3
3 12	11 56.15	+ 1 51.7	1.049	2.039	3.4	18.0
3 22	11 46.12	+ 2 30.5	1.038	2.032	2.8	17.9
4 1	11 36.58	+ 3 4.4	1.051	2.025	8.8	18.2
4 11	11 29.02	+ 3 25.8	1.086	2.018	14.3	18.5
4 21	11 24.40	+ 3 30.1	1.141	2.013	19.0	18.8

159168 2005 SQ_5 3 17.8 77°.33 2°.5/20.0 18

2 11	12 13.03	− 9 30.1	1.346	2.153	19.2	20.2
2 21	12 9.69	− 8 51.0	1.275	2.161	15.2	19.9
3 2	12 3.56	− 7 43.1	1.223	2.169	10.4	19.7
3 12	11 55.49	− 6 10.7	1.195	2.178	5.2	19.4
3 22	11 46.65	− 4 22.6	1.193	2.186	2.8	19.3
4 1	11 38.43	− 2 30.9	1.217	2.194	7.2	19.6
4 11	11 32.04	− 0 48.3	1.265	2.203	12.2	19.9
4 21	11 28.24	+ 0 36.2	1.335	2.211	16.5	20.1

98407 2000 UX_{10} 3 17.8 124°.16 2°.7/20.1 18

2 11	12 17.74	− 7 42.4	1.695	2.484	16.6	20.0
2 21	12 12.74	− 7 45.0	1.618	2.494	13.1	19.8
3 2	12 5.27	− 7 28.4	1.563	2.503	9.1	19.6
3 12	11 56.09	− 6 54.8	1.532	2.512	4.8	19.3
3 22	11 46.23	− 6 8.5	1.529	2.521	2.9	19.2
4 1	11 36.88	− 5 16.3	1.554	2.529	6.4	19.5
4 11	11 29.12	− 4 25.6	1.605	2.537	10.5	19.7
4 21	11 23.67	− 3 42.8	1.679	2.544	14.2	20.0

345625 2006 SM_{283} 3 17.8 159°.71 0°.5/17.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 10.31	− 0 11.7	3.024	3.824	9.8	22.0
2 21	12 6.12	+ 0 36.6	2.939	3.830	7.3	21.8
3 2	12 0.62	+ 1 33.7	2.881	3.836	4.6	21.6
3 12	11 54.26	+ 2 36.0	2.852	3.842	1.6	21.4
3 22	11 47.57	+ 3 39.2	2.855	3.847	1.6	21.4
4 1	11 41.13	+ 4 39.0	2.888	3.851	4.5	21.6
4 11	11 35.47	+ 5 31.2	2.950	3.855	7.3	21.8
4 21	11 31.02	+ 6 13.3	3.037	3.859	9.7	22.0

57377 2001 RS_{64} 3 17.8 26°.76 4°.9/21.4 18

2 11	12 14.54	−11 5.4	1.288	2.090	20.2	18.9
2 21	12 11.08	−11 26.2	1.215	2.094	16.4	18.6
3 2	12 4.60	−11 20.4	1.161	2.098	11.9	18.4
3 12	11 55.93	−10 48.1	1.128	2.102	7.3	18.1
3 22	11 46.33	− 9 53.7	1.119	2.107	4.9	18.0
4 1	11 37.30	− 8 45.6	1.135	2.112	7.8	18.2
4 11	11 30.21	− 7 35.0	1.175	2.118	12.3	18.4
4 21	11 25.93	− 6 31.8	1.235	2.124	16.7	18.7

390483 2014 AV_4 3 17.8 32°.16 1°.2/16.5 17

2 11	12 11.24	+ 2 3.1	2.045	2.868	12.9	21.1
2 21	12 7.40	+ 2 39.6	1.970	2.873	9.7	20.9
3 2	12 1.69	+ 3 26.3	1.919	2.879	6.0	20.7
3 12	11 54.71	+ 4 18.1	1.895	2.885	2.2	20.4
3 22	11 47.26	+ 5 9.4	1.900	2.891	2.5	20.5
4 1	11 40.20	+ 5 54.3	1.933	2.897	6.3	20.7
4 11	11 34.34	+ 6 28.1	1.992	2.904	9.9	21.0
4 21	11 30.22	+ 6 48.1	2.074	2.911	13.0	21.2

30524 Mandushev 3 17.8 125°.94 3°.0/20.3 18

2 11	12 19.70	− 8 38.2	1.720	2.501	16.7	19.7
2 21	12 14.13	− 8 37.9	1.647	2.517	13.2	19.5
3 2	12 6.10	− 8 17.8	1.595	2.532	9.2	19.2
3 12	11 56.39	− 7 39.9	1.568	2.547	5.0	19.0
3 22	11 46.06	− 6 48.8	1.570	2.560	3.1	18.9
4 1	11 36.31	− 5 51.4	1.600	2.574	6.3	19.2
4 11	11 28.20	− 4 55.5	1.656	2.586	10.4	19.4
4 21	11 22.42	− 4 7.4	1.736	2.598	14.0	19.7

420010 2011 CP_{67} 3 17.8 305°.65 5°.0/21.8 17

2 11	12 17.45	−11 56.2	1.854	2.619	16.3	21.1
2 21	12 12.53	−12 37.0	1.765	2.618	13.3	20.9
3 2	12 5.20	−12 59.5	1.696	2.617	10.0	20.7
3 12	11 56.11	−13 2.8	1.653	2.617	6.6	20.5
3 22	11 46.22	−12 48.2	1.636	2.616	5.0	20.4
4 1	11 36.64	−12 19.8	1.647	2.615	6.8	20.5
4 11	11 28.48	−11 44.0	1.684	2.615	10.1	20.7
4 21	11 22.50	−11 7.5	1.744	2.614	13.5	20.9

93503 2000 TJ_{51} 3 17.8 213°.87 4°.5/12.8 18

2 11	12 13.15	+10 39.1	2.015	2.853	12.5	19.6
2 21	12 8.98	+11 55.9	1.939	2.849	9.4	19.4
3 2	12 2.77	+13 18.0	1.888	2.846	6.3	19.2
3 12	11 55.15	+14 37.5	1.865	2.842	4.5	19.1
3 22	11 46.95	+15 46.6	1.871	2.838	5.9	19.2
4 1	11 39.13	+16 38.7	1.904	2.834	9.0	19.4
4 11	11 32.56	+17 10.1	1.961	2.830	12.2	19.6
4 21	11 27.86	+17 20.1	2.040	2.825	15.0	19.7

283740 2002 XF_{75} 3 17.8 29°.14 5°.4/22.9 18

2 11	12 12.47	−14 12.1	1.742	2.509	17.1	19.3
2 21	12 8.71	−14 42.4	1.671	2.523	14.0	19.1
3 2	12 2.70	−14 50.3	1.620	2.537	10.6	18.9
3 12	11 55.14	−14 35.6	1.592	2.552	7.3	18.8
3 22	11 46.99	−14 1.2	1.590	2.568	5.5	18.7
4 1	11 39.32	−13 12.3	1.614	2.584	6.8	18.8
4 11	11 33.12	−12 16.9	1.664	2.601	9.8	19.0
4 21	11 29.03	−11 22.4	1.737	2.619	13.0	19.3

428769 2008 ST_{173} 3 17.8 272°.58 5°.6/22.7 17

2 11	12 15.62	−14 57.3	2.045	2.790	15.6	20.7
2 21	12 11.13	−15 34.0	1.937	2.774	13.0	20.5
3 2	12 4.35	−15 51.9	1.850	2.758	10.1	20.3
3 12	11 55.84	−15 49.3	1.788	2.742	7.2	20.1
3 22	11 46.41	−15 27.0	1.752	2.725	5.6	19.9
4 1	11 37.12	−14 48.4	1.745	2.709	6.9	20.0
4 11	11 29.00	−13 59.6	1.763	2.692	9.9	20.1
4 21	11 22.86	−13 7.8	1.806	2.675	13.2	20.3

310472 2000 SA_{129} 3 17.8 190°.42 2°.9/20.6 18

2 11	12 15.57	− 9 51.5	1.874	2.652	15.7	21.2
2 21	12 11.02	− 9 35.4	1.783	2.651	12.5	21.0
3 2	12 4.19	− 8 58.4	1.714	2.650	8.8	20.8
3 12	11 55.73	− 8 2.5	1.670	2.648	4.9	20.5
3 22	11 46.55	− 6 52.3	1.655	2.645	3.0	20.4
4 1	11 37.72	− 5 35.0	1.667	2.642	6.0	20.6
4 11	11 30.24	− 4 18.9	1.707	2.638	10.0	20.8
4 21	11 24.84	− 3 11.1	1.771	2.634	13.7	21.0

275348 2010 XV_{67} 3 17.8 84°.29 4°.4/12.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 11.78	+ 8 17.1	1.843	2.685	13.3	20.3
2 21	12 7.97	+ 9 58.9	1.784	2.698	9.9	20.2
3 2	12 2.11	+11 48.0	1.750	2.711	6.4	20.0
3 12	11 54.89	+13 35.0	1.744	2.724	4.4	19.9
3 22	11 47.20	+15 10.5	1.766	2.736	5.9	20.0
4 1	11 40.01	+16 26.8	1.816	2.749	9.2	20.2
4 11	11 34.19	+17 19.5	1.890	2.762	12.4	20.4
4 21	11 30.28	+17 47.9	1.986	2.774	15.2	20.6

7183 1991 RE_{16} 3 17.8 329°.96 2°.2/15.2 18 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 9.81	+ 3 35.3	2.076	2.906	12.5	16.7
2 21	12 6.38	+ 4 44.0	1.995	2.903	9.3	16.5
3 2	12 1.09	+ 6 3.6	1.940	2.901	5.8	16.3
3 12	11 54.53	+ 7 27.6	1.911	2.899	2.6	16.1
3 22	11 47.44	+ 8 48.8	1.912	2.897	3.6	16.2
4 1	11 40.68	+10 0.1	1.941	2.896	7.1	16.4
4 11	11 35.04	+10 55.9	1.996	2.894	10.6	16.6
4 21	11 31.11	+11 33.4	2.074	2.893	13.7	16.8

73820 1995 WR_{8} 3 17.8 114°.60 6°.2/24.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 17.76	−19 19.4	2.054	2.770	16.4	20.3
2 21	12 12.41	−19 37.6	1.979	2.791	13.8	20.1
3 2	12 4.90	−19 32.1	1.923	2.812	10.8	19.9
3 12	11 55.94	−19 2.2	1.892	2.831	8.0	19.8
3 22	11 46.45	−18 10.4	1.887	2.850	6.3	19.7
4 1	11 37.46	−17 2.0	1.910	2.869	6.9	19.8
4 11	11 29.88	−15 44.8	1.961	2.886	9.3	20.0
4 21	11 24.33	−14 26.8	2.036	2.903	12.0	20.2

341667 2007 VE_{78} 3 17.8 111°.65 5°.6/11.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 15.20	+17 20.5	2.277	3.111	11.4	20.7
2 21	12 10.21	+18 15.4	2.214	3.116	8.8	20.5
3 2	12 3.38	+19 8.2	2.176	3.122	6.5	20.4
3 12	11 55.34	+19 52.0	2.166	3.127	5.6	20.3
3 22	11 46.90	+20 21.6	2.183	3.132	6.7	20.4
4 1	11 38.90	+20 33.0	2.228	3.137	9.0	20.5
4 11	11 32.14	+20 25.1	2.298	3.142	11.5	20.7
4 21	11 27.14	+19 58.9	2.389	3.147	13.8	20.9

60037 1999 TH_{94} 3 17.8 221°.90 1°.0/16.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 15.86	+ 0 43.7	2.100	2.909	13.1	20.8
2 21	12 11.04	+ 1 28.6	2.003	2.899	10.0	20.6
3 2	12 4.13	+ 2 26.0	1.930	2.887	6.3	20.3
3 12	11 55.71	+ 3 31.3	1.885	2.875	2.3	20.0
3 22	11 46.59	+ 4 38.3	1.870	2.862	2.5	20.0
4 1	11 37.72	+ 5 40.2	1.884	2.848	6.6	20.2
4 11	11 30.03	+ 6 31.0	1.926	2.833	10.5	20.4
4 21	11 24.19	+ 7 7.1	1.991	2.818	13.9	20.6

54474 2000 OV_{13} 3 17.8 286°.23 4°.3/22.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 13.26	−12 56.4	2.259	3.013	14.0	18.9
2 21	12 9.00	−13 18.3	2.158	3.005	11.5	18.7
3 2	12 2.81	−13 23.1	2.080	2.997	8.7	18.5
3 12	11 55.21	−13 10.9	2.027	2.989	5.8	18.3
3 22	11 46.95	−12 43.3	2.002	2.981	4.3	18.2
4 1	11 38.90	−12 4.1	2.005	2.974	5.8	18.2
4 11	11 31.93	−11 18.9	2.035	2.966	8.7	18.4
4 21	11 26.66	−10 33.6	2.090	2.958	11.7	18.6

198916 2005 UU_{130} 3 17.8 257°.95 2°.3/19.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 16.66	− 7 15.6	1.637	2.433	16.8	20.7
2 21	12 12.43	− 7 3.7	1.531	2.412	13.4	20.4
3 2	12 5.45	− 6 30.3	1.447	2.391	9.3	20.1
3 12	11 56.34	− 5 36.9	1.387	2.370	4.7	19.8
3 22	11 46.08	− 4 28.4	1.354	2.347	2.6	19.6
4 1	11 35.95	− 3 12.6	1.349	2.324	7.0	19.8
4 11	11 27.26	− 1 59.2	1.369	2.300	12.0	20.0
4 21	11 20.98	− 0 56.3	1.412	2.276	16.5	20.2

406928 2009 GL_{6} 3 17.8 59°.68 1°.8/19.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 13.86	− 6 35.8	1.437	2.249	17.9	21.1
2 21	12 10.07	− 6 10.2	1.372	2.263	14.0	20.9
3 2	12 3.69	− 5 22.2	1.327	2.277	9.3	20.6
3 12	11 55.54	− 4 16.0	1.307	2.292	4.3	20.4
3 22	11 46.77	− 2 59.2	1.313	2.307	2.3	20.3
4 1	11 38.64	− 1 41.5	1.345	2.321	6.9	20.6
4 11	11 32.27	− 0 32.0	1.402	2.337	11.5	20.9
4 21	11 28.33	+ 0 22.6	1.481	2.352	15.5	21.2

503363 2016 CW_{7} 3 17.8 349°.45 1°.3/18.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 12.21	− 3 33.5	1.281	2.114	18.5	20.5
2 21	12 9.33	− 3 29.6	1.204	2.108	14.4	20.2
3 2	12 3.53	− 3 5.5	1.146	2.103	9.5	19.9
3 12	11 55.59	− 2 24.6	1.112	2.099	4.1	19.6
3 22	11 46.68	− 1 33.4	1.101	2.096	2.3	19.5
4 1	11 38.25	− 0 41.0	1.116	2.094	7.7	19.8
4 11	11 31.66	+ 0 3.8	1.154	2.092	13.0	20.1
4 21	11 27.78	+ 0 34.3	1.211	2.092	17.5	20.3

351862 2006 SZ 3 17.8 193°.57 0°.5/18.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 11.92	− 3 1.1	2.955	3.742	10.3	22.6
2 21	12 7.42	− 2 37.3	2.859	3.740	7.9	22.4
3 2	12 1.52	− 2 3.5	2.789	3.737	5.1	22.2
3 12	11 54.65	− 1 22.5	2.747	3.734	2.1	22.0
3 22	11 47.39	− 0 37.5	2.736	3.730	1.2	21.9
4 1	11 40.33	+ 0 7.4	2.755	3.726	4.3	22.1
4 11	11 34.09	+ 0 48.3	2.804	3.721	7.2	22.3
4 21	11 29.10	+ 1 22.0	2.879	3.716	9.7	22.5

244020 2001 SY_{134} 3 17.8 162°.64 0°.7/18.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 10.52	− 4 45.0	2.431	3.224	12.0	21.3
2 21	12 6.64	− 4 7.5	2.343	3.226	9.3	21.1
3 2	12 1.14	− 3 16.2	2.280	3.228	6.1	20.9
3 12	11 54.53	− 2 14.5	2.244	3.230	2.6	20.7
3 22	11 47.48	− 1 7.2	2.237	3.231	1.4	20.6
4 1	11 40.71	+ 0 0.1	2.261	3.233	4.9	20.8
4 11	11 34.92	+ 1 1.9	2.312	3.234	8.2	21.0
4 21	11 30.61	+ 1 53.7	2.388	3.235	11.2	21.2

241202 2007 TP_{25} 3 17.8 167°.08 0°.0/17.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 12.61	− 1 12.1	2.388	3.191	11.9	21.0
2 21	12 8.23	− 0 45.6	2.302	3.193	9.1	20.8
3 2	12 2.15	− 0 8.2	2.241	3.195	5.8	20.6
3 12	11 54.91	+ 0 36.5	2.208	3.196	2.2	20.4
3 22	11 47.21	+ 1 24.1	2.204	3.198	1.6	20.3
4 1	11 39.81	+ 2 9.6	2.230	3.199	5.2	20.6
4 11	11 33.44	+ 2 48.3	2.283	3.200	8.6	20.8
4 21	11 28.63	+ 3 17.1	2.361	3.201	11.5	21.0

468698 2009 WY_{42} 3 17.8 73°.10 9°.7/30.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 12.20	−31 44.6	2.005	2.646	18.7	20.8
2 21	12 8.52	−32 0.7	1.924	2.661	16.8	20.6
3 2	12 2.58	−31 44.4	1.859	2.676	14.5	20.5
3 12	11 55.12	−30 53.2	1.814	2.690	12.2	20.4
3 22	11 47.07	−29 27.9	1.791	2.705	10.3	20.3
4 1	11 39.51	−27 33.7	1.794	2.720	9.7	20.3
4 11	11 33.42	−25 20.4	1.822	2.735	10.7	20.4
4 21	11 29.43	−22 59.6	1.876	2.749	12.6	20.5

436322 2010 FU_{96} 3 17.8 10°.08 3°.7/14.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 16.69	+11 11.6	2.074	2.905	12.5	21.3
2 21	12 11.52	+11 39.7	1.999	2.905	9.4	21.1
3 2	12 4.32	+12 9.7	1.948	2.905	6.2	20.9
3 12	11 55.73	+12 36.1	1.925	2.906	3.9	20.8
3 22	11 46.64	+12 53.5	1.930	2.906	4.9	20.9
4 1	11 37.99	+12 57.8	1.964	2.907	7.9	21.0
4 11	11 30.65	+12 47.0	2.023	2.908	11.1	21.2
4 21	11 25.23	+12 20.9	2.105	2.909	14.0	21.4

381156 2007 GW_{30} 3 17.8 251°.05 4°.1/13.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 17.66	+12 7.2	2.212	3.039	11.9	21.0
2 21	12 12.32	+12 47.7	2.119	3.023	9.1	20.7
3 2	12 4.90	+13 30.5	2.052	3.006	6.2	20.5
3 12	11 56.00	+14 9.7	2.012	2.989	4.2	20.4
3 22	11 46.42	+14 39.3	2.001	2.972	5.3	20.4
4 1	11 37.12	+14 54.6	2.020	2.954	8.3	20.6
4 11	11 29.01	+14 53.0	2.064	2.936	11.5	20.7
4 21	11 22.76	+14 34.0	2.130	2.918	14.4	20.9

97947 2000 QC_{123} 3 17.8 145°.55 1°.5/19.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 18.38	− 5 34.6	2.030	2.815	14.4	20.6
2 21	12 12.82	− 5 18.0	1.951	2.827	11.2	20.4
3 2	12 5.15	− 4 45.8	1.895	2.839	7.5	20.2
3 12	11 56.05	− 4 1.0	1.866	2.850	3.5	20.0
3 22	11 46.42	− 3 8.4	1.867	2.860	1.9	19.9
4 1	11 37.24	− 2 14.1	1.897	2.870	5.6	20.1
4 11	11 29.42	− 1 24.1	1.955	2.878	9.4	20.4
4 21	11 23.58	− 0 43.3	2.038	2.886	12.8	20.6

503654 2016 GU_{207} 3 17.8 300°.90 3°.8/13.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 10.06	+ 4 59.2	1.606	2.452	14.7	20.8
2 21	12 7.24	+ 6 31.4	1.519	2.436	11.1	20.5
3 2	12 2.00	+ 8 19.1	1.456	2.420	7.0	20.3
3 12	11 54.99	+10 13.2	1.418	2.404	3.9	20.0
3 22	11 47.12	+12 2.4	1.408	2.389	5.6	20.1
4 1	11 39.56	+13 35.9	1.425	2.373	9.8	20.3
4 11	11 33.41	+14 45.5	1.465	2.358	14.0	20.5
4 21	11 29.46	+15 27.9	1.526	2.344	17.8	20.7

229557 2005 YE_{227} 3 17.8 198°.34 1°.7/19.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 14.33	− 6 53.5	2.403	3.180	12.6	21.9
2 21	12 9.60	− 6 34.4	2.306	3.177	9.9	21.7
3 2	12 3.07	− 6 0.6	2.233	3.173	6.7	21.5
3 12	11 55.29	− 5 14.5	2.187	3.168	3.4	21.2
3 22	11 46.95	− 4 19.7	2.170	3.163	1.9	21.1
4 1	11 38.86	− 3 21.6	2.184	3.157	4.9	21.3
4 11	11 31.81	− 2 25.8	2.226	3.151	8.4	21.5
4 21	11 26.35	− 1 37.1	2.293	3.143	11.5	21.7

502409 2015 BA_{254} 3 17.8 199°.38 1°.3/19.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 13.12	− 5 40.8	2.253	3.042	13.0	21.8
2 21	12 8.78	− 5 16.3	2.161	3.039	10.1	21.6
3 2	12 2.60	− 4 36.8	2.091	3.036	6.8	21.4
3 12	11 55.12	− 3 45.2	2.049	3.033	3.1	21.2
3 22	11 47.09	− 2 45.9	2.036	3.030	1.7	21.1
4 1	11 39.33	− 1 44.7	2.052	3.026	5.2	21.3
4 11	11 32.66	− 0 47.5	2.097	3.021	8.8	21.5
4 21	11 27.66	+ 0 0.8	2.166	3.017	12.0	21.7

203440 2001 YZ_{79} 3 17.8 8°.23 2°.7/15.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 12.45	+ 3 49.9	1.116	1.975	18.8	19.9
2 21	12 9.72	+ 4 28.1	1.053	1.976	14.2	19.6
3 2	12 3.83	+ 5 21.2	1.011	1.978	8.9	19.3
3 12	11 55.70	+ 6 20.6	0.991	1.980	3.6	19.0
3 22	11 46.69	+ 7 15.9	0.994	1.984	4.6	19.1
4 1	11 38.39	+ 7 57.0	1.021	1.989	10.0	19.4
4 11	11 32.22	+ 8 17.2	1.070	1.995	15.1	19.7
4 21	11 28.96	+ 8 14.2	1.137	2.002	19.5	20.0

194635 2001 XG_{164} 3 17.8 181°.33 0°.6/18.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 17.01	− 3 42.7	1.909	2.707	14.7	21.4
2 21	12 12.01	− 3 10.5	1.823	2.709	11.3	21.2
3 2	12 4.78	− 2 22.1	1.759	2.710	7.4	20.9
3 12	11 55.97	− 1 21.4	1.723	2.710	3.0	20.7
3 22	11 46.49	− 0 14.3	1.715	2.709	1.8	20.6
4 1	11 37.40	+ 0 51.9	1.736	2.708	6.2	20.8
4 11	11 29.67	+ 1 50.4	1.785	2.705	10.3	21.1
4 21	11 23.99	+ 2 36.1	1.857	2.702	13.9	21.3

75480 1999 XZ_{171} 3 17.8 199°.42 3°.8/21.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 17.67	−11 59.4	2.245	2.996	14.2	19.7
2 21	12 12.33	−12 11.2	2.145	2.992	11.6	19.5
3 2	12 4.93	−12 5.6	2.067	2.987	8.5	19.3
3 12	11 56.03	−11 43.0	2.016	2.982	5.4	19.1
3 22	11 46.44	−11 5.6	1.993	2.976	3.8	19.0
4 1	11 37.08	−10 17.8	1.999	2.969	5.7	19.1
4 11	11 28.89	− 9 25.7	2.034	2.961	8.9	19.3
4 21	11 22.51	− 8 35.2	2.094	2.953	12.0	19.5

42049 2000 YG_{107} 3 17.8 177°.98 3°.4/14.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 14.09	+ 8 18.5	2.040	2.872	12.6	19.5
2 21	12 9.63	+ 9 12.5	1.964	2.873	9.4	19.3
3 2	12 3.17	+10 12.3	1.913	2.873	6.1	19.1
3 12	11 55.34	+11 11.6	1.890	2.873	3.5	18.9
3 22	11 46.97	+12 3.6	1.895	2.873	4.6	19.0
4 1	11 39.01	+12 42.6	1.928	2.873	7.9	19.2
4 11	11 32.30	+13 4.9	1.987	2.873	11.2	19.4
4 21	11 27.44	+13 9.4	2.068	2.873	14.2	19.6

42506 1993 FA_{21} 3 17.8 243°.98 0°.9/18.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 11.10	− 5 34.2	2.022	2.821	13.9	19.7
2 21	12 7.47	− 4 51.9	1.931	2.817	10.8	19.5
3 2	12 1.88	− 3 51.8	1.863	2.812	7.1	19.2
3 12	11 54.89	− 2 37.7	1.821	2.808	3.1	19.0
3 22	11 47.30	− 1 15.6	1.808	2.803	1.6	18.8
4 1	11 40.00	+ 0 7.2	1.824	2.798	5.7	19.1
4 11	11 33.87	+ 1 23.0	1.867	2.793	9.7	19.3
4 21	11 29.53	+ 2 26.3	1.934	2.788	13.1	19.5

155207 2005 UO_{460} 3 17.8 258°.28 1°.0/17.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 17.27	+ 1 9.1	1.437	2.267	17.0	20.2
2 21	12 12.95	+ 1 34.4	1.355	2.261	13.0	19.9
3 2	12 5.76	+ 2 14.7	1.294	2.255	8.2	19.6
3 12	11 56.45	+ 3 4.5	1.259	2.248	3.0	19.3
3 22	11 46.18	+ 3 56.2	1.249	2.242	3.0	19.2
4 1	11 36.36	+ 4 41.4	1.266	2.235	8.3	19.5
4 11	11 28.31	+ 5 12.9	1.307	2.228	13.3	19.8
4 21	11 22.90	+ 5 26.9	1.369	2.222	17.5	20.0

432909 2011 QL_{28} 3 17.8 186°.87 2°.2/14.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 10.62	+ 6 34.3	3.037	3.855	9.3	22.1
2 21	12 6.41	+ 7 32.3	2.953	3.855	6.9	21.9
3 2	12 0.87	+ 8 35.6	2.895	3.854	4.3	21.7
3 12	11 54.44	+ 9 39.8	2.867	3.852	2.3	21.6
3 22	11 47.65	+10 40.2	2.870	3.850	3.1	21.6
4 1	11 41.08	+11 32.6	2.903	3.848	5.6	21.8
4 11	11 35.30	+12 13.7	2.964	3.845	8.1	22.0
4 21	11 30.72	+12 41.9	3.050	3.841	10.4	22.1

415835 2001 RA_{62} 3 17.8 100°.82 2°.2/15.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 12.57	+ 2 22.9	1.800	2.629	14.1	20.7
2 21	12 8.65	+ 3 39.1	1.731	2.639	10.6	20.5
3 2	12 2.61	+ 5 8.1	1.687	2.649	6.5	20.2
3 12	11 55.15	+ 6 42.5	1.670	2.658	2.7	20.0
3 22	11 47.16	+ 8 13.4	1.681	2.668	3.7	20.1
4 1	11 39.66	+ 9 32.5	1.721	2.678	7.7	20.4
4 11	11 33.55	+10 33.7	1.786	2.687	11.5	20.6
4 21	11 29.41	+11 14.0	1.873	2.696	14.7	20.8

37598 1992 EL_{17} 3 17.8 176°.03 2°.8/15.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 16.92	+ 4 57.7	1.805	2.632	14.2	19.1
2 21	12 12.03	+ 5 58.2	1.728	2.634	10.7	18.9
3 2	12 4.82	+ 7 9.1	1.676	2.636	6.7	18.6
3 12	11 56.00	+ 8 23.2	1.650	2.637	3.1	18.4
3 22	11 46.54	+ 9 32.4	1.653	2.638	4.2	18.5
4 1	11 37.54	+10 29.3	1.685	2.638	8.2	18.7
4 11	11 29.99	+11 8.5	1.742	2.637	12.0	18.9
4 21	11 24.59	+11 27.9	1.820	2.636	15.4	19.2

209397 2004 EL_{75} 3 17.8 10°.53 0°.6/17.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 9.18	− 1 23.0	1.995	2.813	13.4	20.0
2 21	12 5.97	− 0 28.7	1.915	2.814	10.1	19.8
3 2	12 0.89	+ 0 40.2	1.858	2.816	6.4	19.6
3 12	11 54.51	+ 1 58.5	1.828	2.817	2.3	19.3
3 22	11 47.61	+ 3 19.3	1.826	2.819	2.1	19.3
4 1	11 41.06	+ 4 35.3	1.853	2.822	6.2	19.6
4 11	11 35.67	+ 5 39.9	1.907	2.824	10.0	19.8
4 21	11 32.01	+ 6 28.9	1.984	2.827	13.3	20.0

282137 2001 QE_{153} 3 17.8 239°.66 0°.8/17.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 17.03	− 0 25.2	1.817	2.629	14.7	22.1
2 21	12 12.36	+ 0 20.0	1.716	2.612	11.3	21.9
3 2	12 5.23	+ 1 21.3	1.638	2.594	7.2	21.6
3 12	11 56.24	+ 2 33.7	1.587	2.576	2.6	21.2
3 22	11 46.32	+ 3 50.2	1.564	2.557	2.6	21.2
4 1	11 36.60	+ 5 2.4	1.571	2.536	7.4	21.4
4 11	11 28.23	+ 6 2.5	1.603	2.515	11.9	21.6
4 21	11 22.02	+ 6 45.8	1.658	2.494	15.8	21.8

377966 2006 KA_{29} 3 17.8 105°.60 4°.6/13.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 15.43	+13 10.1	2.151	2.985	12.0	21.3
2 21	12 10.46	+14 3.0	2.089	2.995	9.1	21.1
3 2	12 3.59	+14 56.8	2.051	3.005	6.2	20.9
3 12	11 55.48	+15 44.8	2.041	3.015	4.6	20.8
3 22	11 46.96	+16 21.3	2.059	3.024	5.7	20.9
4 1	11 38.92	+16 41.8	2.106	3.034	8.4	21.1
4 11	11 32.16	+16 44.4	2.178	3.043	11.3	21.3
4 21	11 27.22	+16 29.5	2.271	3.052	13.8	21.5

394013 2005 VY_{59} 3 17.8 170°.92 3°.3/14.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 20.02	+ 7 9.9	1.895	2.718	13.8	22.2
2 21	12 14.24	+ 8 6.2	1.820	2.723	10.4	22.0
3 2	12 6.16	+ 9 9.8	1.769	2.727	6.6	21.8
3 12	11 56.49	+10 13.8	1.746	2.731	3.5	21.6
3 22	11 46.21	+11 10.6	1.752	2.733	4.6	21.7
4 1	11 36.42	+11 53.8	1.788	2.735	8.3	21.9
4 11	11 28.12	+12 19.4	1.849	2.735	11.9	22.1
4 21	11 21.98	+12 26.0	1.932	2.735	15.1	22.4

144475 2004 EJ_{56} 3 17.8 312°.85 0°.1/17.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 14.75	+ 0 17.5	2.153	2.962	12.8	19.4
2 21	12 10.10	+ 0 19.7	2.063	2.956	9.8	19.2
3 2	12 3.49	+ 0 31.3	1.996	2.951	6.3	18.9
3 12	11 55.50	+ 0 49.5	1.957	2.945	2.4	18.7
3 22	11 46.90	+ 1 10.2	1.946	2.940	1.7	18.6
4 1	11 38.61	+ 1 29.3	1.964	2.935	5.7	18.9
4 11	11 31.47	+ 1 42.6	2.010	2.930	9.4	19.1
4 21	11 26.11	+ 1 47.2	2.079	2.925	12.7	19.3

169437 2002 AR_{66} 3 17.8 2°.57 2°.6/19.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 10.73	− 6 22.3	1.149	1.982	20.1	19.2
2 21	12 8.45	− 6 24.4	1.078	1.981	15.9	18.9
3 2	12 3.09	− 6 1.3	1.026	1.980	10.9	18.6
3 12	11 55.48	− 5 15.8	0.996	1.980	5.4	18.3
3 22	11 46.90	− 4 14.5	0.988	1.982	3.0	18.2
4 1	11 38.89	− 3 7.8	1.005	1.985	7.9	18.5
4 11	11 32.88	− 2 6.9	1.044	1.989	13.2	18.8
4 21	11 29.73	− 1 20.0	1.102	1.994	18.0	19.0

213241 2001 AL 3 17.8 309°.35 4°.8/20.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 15.87	− 9 1.2	1.441	2.241	18.5	20.1
2 21	12 12.20	− 9 44.1	1.343	2.221	15.1	19.8
3 2	12 5.53	−10 7.7	1.264	2.202	11.1	19.5
3 12	11 56.48	−10 10.7	1.208	2.183	6.8	19.2
3 22	11 46.11	− 9 54.6	1.177	2.164	4.8	19.0
4 1	11 35.89	− 9 23.9	1.171	2.146	7.9	19.2
4 11	11 27.29	− 8 46.8	1.189	2.128	12.6	19.4
4 21	11 21.39	− 8 11.4	1.228	2.111	17.1	19.6

156577 2002 EH_{139} 3 17.8 174°.74 1°.6/16.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 15.22	+ 3 38.1	2.099	2.918	12.8	20.5
2 21	12 10.44	+ 4 9.2	2.018	2.919	9.6	20.3
3 2	12 3.67	+ 4 48.9	1.961	2.920	6.0	20.1
3 12	11 55.55	+ 5 32.3	1.932	2.921	2.4	19.8
3 22	11 46.89	+ 6 14.1	1.932	2.922	2.8	19.9
4 1	11 38.60	+ 6 48.8	1.961	2.922	6.6	20.1
4 11	11 31.54	+ 7 12.3	2.016	2.922	10.1	20.3
4 21	11 26.30	+ 7 22.2	2.095	2.921	13.3	20.5

87128 2000 MR_4 3 17.8 196°.73 2°.3/15.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 15.73	+ 6 1.9	2.297	3.116	11.8	19.8
2 21	12 10.70	+ 6 45.6	2.211	3.113	8.9	19.6
3 2	12 3.79	+ 7 36.1	2.151	3.110	5.6	19.4
3 12	11 55.60	+ 8 28.3	2.119	3.106	2.7	19.2
3 22	11 46.86	+ 9 16.4	2.117	3.101	3.5	19.2
4 1	11 38.45	+ 9 55.4	2.144	3.096	6.8	19.4
4 11	11 31.16	+10 21.3	2.199	3.090	10.1	19.6
4 21	11 25.57	+10 32.5	2.277	3.084	13.0	19.8

272777 2005 YC_{202} 3 17.8 62°.19 2°.1/15.8 17

2 11	12 12.59	+ 3 14.1	1.802	2.633	14.0	21.0
2 21	12 8.70	+ 4 8.5	1.731	2.639	10.5	20.8
3 2	12 2.67	+ 5 14.2	1.684	2.645	6.5	20.5
3 12	11 55.19	+ 6 24.5	1.663	2.652	2.7	20.3
3 22	11 47.17	+ 7 31.8	1.670	2.658	3.5	20.4
4 1	11 39.61	+ 8 29.1	1.705	2.664	7.5	20.6
4 11	11 33.43	+ 9 10.7	1.765	2.671	11.3	20.9
4 21	11 29.23	+ 9 34.2	1.847	2.678	14.6	21.1

106889 2000 YW_{39} 3 17.8 7°.73 0°.4/17.5 18

2 11	12 10.83	− 1 18.4	1.208	2.053	18.6	19.2
2 21	12 8.32	− 0 45.3	1.141	2.054	14.2	19.0
3 2	12 2.89	+ 0 8.3	1.093	2.055	9.0	18.7
3 12	11 55.38	+ 1 16.0	1.068	2.058	3.3	18.3
3 22	11 47.02	+ 2 28.5	1.067	2.061	2.7	18.3
4 1	11 39.28	+ 3 34.7	1.091	2.066	8.4	18.6
4 11	11 33.44	+ 4 25.6	1.138	2.071	13.6	18.9
4 21	11 30.30	+ 4 56.0	1.204	2.077	18.1	19.2

172118 2002 GN_{114} 3 17.8 274°.33 4°.5/14.0 17

2 11	12 16.90	+ 9 22.2	1.620	2.461	14.9	19.8
2 21	12 12.53	+10 18.1	1.530	2.442	11.3	19.6
3 2	12 5.47	+11 21.9	1.463	2.423	7.5	19.3
3 12	11 56.37	+12 25.4	1.421	2.403	4.7	19.1
3 22	11 46.28	+13 19.6	1.406	2.384	6.1	19.1
4 1	11 36.48	+13 56.4	1.418	2.364	10.1	19.3
4 11	11 28.24	+14 10.9	1.454	2.344	14.4	19.5
4 21	11 22.43	+14 2.0	1.510	2.323	18.1	19.7

194112 2001 SF_{237} 3 17.8 342°.39 2°.4/16.4 18

2 11	12 18.97	+ 5 5.9	1.283	2.127	17.8	20.0
2 21	12 14.49	+ 5 18.9	1.210	2.123	13.6	19.7
3 2	12 6.83	+ 5 42.1	1.158	2.120	8.6	19.4
3 12	11 56.88	+ 6 8.8	1.129	2.118	3.5	19.1
3 22	11 45.96	+ 6 31.7	1.125	2.116	4.1	19.2
4 1	11 35.65	+ 6 43.6	1.147	2.114	9.3	19.4
4 11	11 27.39	+ 6 39.5	1.192	2.112	14.4	19.7
4 21	11 22.07	+ 6 18.0	1.257	2.111	18.7	20.0

49798 1999 XL_{33} 3 17.8 6°.58 2°.6/19.6 18

2 11	12 13.67	− 5 53.7	1.142	1.973	20.4	18.2
2 21	12 10.73	− 6 2.3	1.072	1.973	16.1	17.9
3 2	12 4.58	− 5 46.8	1.020	1.974	11.0	17.6
3 12	11 56.07	− 5 9.7	0.990	1.975	5.4	17.3
3 22	11 46.53	− 4 17.3	0.984	1.977	3.0	17.2
4 1	11 37.61	− 3 19.2	1.001	1.980	8.1	17.5
4 11	11 30.78	− 2 26.3	1.041	1.984	13.5	17.8
4 21	11 26.95	− 1 46.4	1.100	1.989	18.2	18.0

215502 2002 TJ_{300} 3 17.8 55°.98 4°.3/14.4 18

2 11	12 16.96	+ 8 53.4	1.447	2.293	16.0	20.6
2 21	12 12.30	+ 9 46.1	1.396	2.311	12.0	20.4
3 2	12 5.03	+10 44.5	1.367	2.328	7.7	20.2
3 12	11 56.07	+11 39.8	1.363	2.346	4.5	20.0
3 22	11 46.63	+12 23.5	1.385	2.365	5.8	20.1
4 1	11 37.98	+12 49.1	1.434	2.383	9.6	20.4
4 11	11 31.19	+12 53.7	1.505	2.402	13.5	20.7
4 21	11 26.89	+12 37.7	1.597	2.421	16.9	20.9

298845 2004 RM_{192} 3 17.8 183°.74 1°.5/19.3 18

2 11	12 16.58	− 6 19.0	1.898	2.688	15.1	20.9
2 21	12 11.75	− 5 52.2	1.810	2.689	11.8	20.7
3 2	12 4.67	− 5 7.1	1.744	2.689	7.9	20.4
3 12	11 55.99	− 4 6.8	1.704	2.688	3.7	20.2
3 22	11 46.62	− 2 56.9	1.693	2.687	2.0	20.0
4 1	11 37.61	− 1 44.6	1.711	2.685	6.0	20.3
4 11	11 29.97	− 0 37.6	1.757	2.682	10.2	20.5
4 21	11 24.38	+ 0 18.3	1.826	2.679	13.8	20.7

229589 2006 BW_{148} 3 17.8 70°.73 1°.6/16.4 18

2 11	12 13.99	+ 2 50.7	1.861	2.686	13.9	20.5
2 21	12 9.71	+ 3 27.4	1.787	2.691	10.5	20.3
3 2	12 3.31	+ 4 14.5	1.736	2.696	6.5	20.0
3 12	11 55.45	+ 5 6.6	1.711	2.701	2.5	19.8
3 22	11 47.03	+ 5 57.2	1.715	2.705	3.0	19.8
4 1	11 39.06	+ 6 40.1	1.747	2.710	7.0	20.1
4 11	11 32.45	+ 7 10.1	1.805	2.715	10.9	20.3
4 21	11 27.82	+ 7 24.9	1.885	2.720	14.2	20.6

371220 Angers 3 17.8 76°.70 3°.2/20.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 16.77	− 8 47.6	1.892	2.671	15.5	20.9
2 21	12 11.75	− 9 2.5	1.820	2.688	12.3	20.7
3 2	12 4.56	− 9 0.0	1.770	2.704	8.7	20.5
3 12	11 55.90	− 8 41.5	1.746	2.721	5.0	20.3
3 22	11 46.72	− 8 10.5	1.749	2.737	3.2	20.2
4 1	11 38.04	− 7 32.0	1.780	2.754	5.8	20.4
4 11	11 30.79	− 6 52.6	1.838	2.770	9.4	20.7
4 21	11 25.58	− 6 17.5	1.921	2.786	12.7	20.9

188691 2005 TT_7 3 17.8 277°.59 0°.4/17.5 17

2 11	12 13.01	− 1 13.6	1.797	2.615	14.6	21.0
2 21	12 9.28	− 0 36.8	1.701	2.600	11.2	20.7
3 2	12 3.24	+ 0 15.9	1.627	2.584	7.2	20.4
3 12	11 55.51	+ 1 20.1	1.579	2.568	2.7	20.1
3 22	11 46.94	+ 2 29.2	1.559	2.553	2.2	20.1
4 1	11 38.63	+ 3 35.3	1.567	2.537	6.9	20.3
4 11	11 31.61	+ 4 31.1	1.601	2.521	11.3	20.5
4 21	11 26.65	+ 5 11.6	1.657	2.505	15.2	20.7

222556 2001 VB_{32} 3 17.8 152°.33 2°.3/20.1 17

2 11	12 14.60	− 7 57.0	2.064	2.845	14.3	20.7
2 21	12 10.05	− 7 45.6	1.978	2.850	11.3	20.5
3 2	12 3.48	− 7 17.3	1.916	2.855	7.8	20.2
3 12	11 55.52	− 6 34.1	1.879	2.859	4.1	20.0
3 22	11 46.98	− 5 40.4	1.871	2.863	2.4	19.9
4 1	11 38.81	− 4 42.1	1.892	2.867	5.4	20.1
4 11	11 31.87	− 3 45.5	1.940	2.870	9.1	20.3
4 21	11 26.78	− 2 56.3	2.013	2.873	12.4	20.6

192104 2006 CK_{12} 3 17.8 183°.00 0°.3/18.1 17

2 11	12 13.71	− 2 18.2	2.130	2.934	13.2	21.2
2 21	12 9.31	− 1 51.6	2.044	2.934	10.1	21.0
3 2	12 2.99	− 1 12.0	1.981	2.934	6.5	20.8
3 12	11 55.33	− 0 22.9	1.946	2.934	2.5	20.6
3 22	11 47.12	+ 0 30.5	1.939	2.933	1.6	20.5
4 1	11 39.23	+ 1 22.6	1.962	2.932	5.6	20.8
4 11	11 32.51	+ 2 7.7	2.011	2.931	9.4	21.0
4 21	11 27.54	+ 2 41.9	2.085	2.930	12.6	21.2

18162 Denlea 3 17.8 251°.46 0°.8/18.5 18

2 11	12 15.37	− 3 38.5	1.565	2.379	16.6	19.6
2 21	12 11.35	− 3 16.2	1.477	2.372	12.9	19.4
3 2	12 4.68	− 2 35.0	1.411	2.364	8.5	19.1
3 12	11 56.07	− 1 38.8	1.369	2.357	3.5	18.8
3 22	11 46.56	− 0 33.9	1.354	2.349	2.0	18.7
4 1	11 37.41	+ 0 31.2	1.367	2.341	7.1	18.9
4 11	11 29.83	+ 1 27.9	1.404	2.333	12.0	19.2
4 21	11 24.66	+ 2 10.3	1.463	2.324	16.2	19.4

212327 2005 SX_{54} 3 17.8 257°.03 0°.0/17.8 17

2 11	12 11.34	− 1 14.8	2.676	3.476	10.9	21.4
2 21	12 7.25	− 0 46.9	2.571	3.460	8.3	21.2
3 2	12 1.58	− 0 8.6	2.491	3.444	5.3	21.0
3 12	11 54.80	+ 0 37.0	2.439	3.428	2.0	20.7
3 22	11 47.49	+ 1 26.0	2.417	3.411	1.5	20.7
4 1	11 40.35	+ 2 13.7	2.425	3.394	4.9	20.9
4 11	11 34.06	+ 2 55.7	2.462	3.377	8.1	21.1
4 21	11 29.12	+ 3 28.7	2.523	3.359	11.0	21.2

93389 2000 SK_{280} 3 17.8 274°.18 0°.8/18.5 18

2 11	12 14.84	− 2 38.4	1.878	2.685	14.5	19.4
2 21	12 10.49	− 2 29.4	1.788	2.679	11.2	19.2
3 2	12 3.90	− 2 6.5	1.722	2.674	7.4	18.9
3 12	11 55.72	− 1 32.7	1.681	2.668	3.1	18.7
3 22	11 46.83	− 0 52.7	1.668	2.663	1.8	18.6
4 1	11 38.27	− 0 12.4	1.684	2.657	6.1	18.8
4 11	11 31.02	+ 0 22.4	1.726	2.652	10.3	19.1
4 21	11 25.78	+ 0 47.0	1.791	2.646	13.9	19.3

456746 2007 TM_{43} 3 17.8 92°.24 2°.7/15.6 18

2 11	12 18.64	+ 5 28.1	1.611	2.442	15.4	21.8
2 21	12 13.36	+ 6 11.5	1.553	2.460	11.5	21.6
3 2	12 5.63	+ 7 3.5	1.517	2.478	7.2	21.4
3 12	11 56.31	+ 7 56.9	1.508	2.495	3.2	21.2
3 22	11 46.49	+ 8 44.2	1.526	2.513	4.1	21.3
4 1	11 37.38	+ 9 18.9	1.572	2.530	8.2	21.6
4 11	11 29.99	+ 9 36.8	1.643	2.546	12.2	21.8
4 21	11 24.96	+ 9 36.9	1.736	2.562	15.6	22.1

298978 2004 WM 3 17.8 123°.13 0°.3/18.1 18

2 11	12 15.85	− 3 34.5	1.681	2.490	15.9	21.0
2 21	12 11.29	− 2 50.5	1.610	2.502	12.2	20.8
3 2	12 4.38	− 1 48.5	1.560	2.514	7.8	20.5
3 12	11 55.87	− 0 33.6	1.537	2.525	3.0	20.3
3 22	11 46.77	+ 0 46.4	1.542	2.536	1.9	20.2
4 1	11 38.21	+ 2 3.1	1.575	2.546	6.7	20.5
4 11	11 31.20	+ 3 8.6	1.634	2.556	11.0	20.8
4 21	11 26.41	+ 3 58.0	1.716	2.565	14.7	21.0

2020	α_{2000}	δ_{2000}	Δ	r	β	V
107436 2001 DS_{15}			3 17.8 304°.77		5°.2/13.5 17	
	h m	° ′			°	m
2 11	12 13.69	+ 9 34.5	1.440	2.293	15.7	19.6
2 21	12 10.39	+10 41.6	1.353	2.272	12.0	19.3
3 2	12 4.26	+11 58.4	1.289	2.251	8.0	19.0
3 12	11 55.98	+13 15.3	1.248	2.230	5.3	18.8
3 22	11 46.62	+14 21.6	1.234	2.210	7.0	18.8
4 1	11 37.57	+15 7.6	1.244	2.190	11.3	19.0
4 11	11 30.19	+15 27.3	1.277	2.170	15.7	19.2
4 21	11 25.38	+15 19.7	1.328	2.151	19.7	19.4
459628 2013 JZ_{3}			3 17.8 307°.73		7°.0/12.0 17	
2 11	12 14.09	+13 0.2	1.357	2.216	16.1	20.9
2 21	12 10.87	+14 20.0	1.276	2.195	12.5	20.6
3 2	12 4.65	+15 46.6	1.216	2.175	8.8	20.3
3 12	11 56.14	+17 8.4	1.181	2.155	7.0	20.1
3 22	11 46.51	+18 13.2	1.170	2.135	8.9	20.2
4 1	11 37.26	+18 51.1	1.183	2.116	12.9	20.4
4 11	11 29.80	+18 57.5	1.217	2.098	17.2	20.5
4 21	11 25.11	+18 32.8	1.268	2.079	21.0	20.7
274943 2009 SZ_{238}			3 17.9 155°.55		2°.1/15.3 18	
2 11	12 12.53	+ 2 43.1	2.221	3.040	12.2	21.2
2 21	12 8.31	+ 4 3.2	2.144	3.046	9.1	21.0
3 2	12 2.29	+ 5 34.4	2.093	3.052	5.6	20.8
3 12	11 55.06	+ 7 10.0	2.070	3.058	2.4	20.6
3 22	11 47.37	+ 8 42.8	2.078	3.063	3.4	20.6
4 1	11 40.02	+10 5.5	2.115	3.068	6.8	20.9
4 11	11 33.80	+11 12.7	2.180	3.072	10.1	21.1
4 21	11 29.22	+12 1.6	2.268	3.076	13.0	21.3
409381 2005 CF_{44}			3 17.9 291°.27		1°.8/19.2 17	
2 11	12 17.10	− 4 5.9	1.552	2.362	16.9	20.8
2 21	12 12.74	− 4 16.7	1.463	2.353	13.3	20.6
3 2	12 5.63	− 4 11.1	1.395	2.345	9.0	20.3
3 12	11 56.47	− 3 51.1	1.351	2.336	4.2	20.0
3 22	11 46.33	− 3 20.9	1.334	2.328	2.4	19.8
4 1	11 36.54	− 2 46.7	1.344	2.320	7.0	20.1
4 11	11 28.37	− 2 15.7	1.379	2.312	11.8	20.3
4 21	11 22.68	− 1 53.6	1.436	2.304	16.0	20.6
54605 2000 RP_{26}			3 17.9 328°.35		8°.5/22.9 18	
2 11	12 14.20	−15 13.3	1.435	2.210	19.7	17.6
2 21	12 11.08	−16 35.4	1.336	2.189	16.8	17.3
3 2	12 4.95	−17 36.7	1.256	2.168	13.5	17.1
3 12	11 56.35	−18 12.4	1.196	2.148	10.2	16.8
3 22	11 46.33	−18 20.3	1.160	2.129	8.5	16.6
4 1	11 36.37	−18 2.2	1.148	2.111	9.8	16.7
4 11	11 28.00	−17 25.1	1.158	2.095	13.2	16.8
4 21	11 22.39	−16 39.0	1.189	2.079	17.1	17.0
466309 2013 QX_{47}			3 17.9 184°.38		1°.5/19.8 16	
2 11	12 12.71	− 8 9.4	2.515	3.287	12.3	22.2
2 21	12 8.31	− 7 26.1	2.419	3.287	9.6	22.0
3 2	12 2.26	− 6 26.5	2.348	3.287	6.5	21.8
3 12	11 55.06	− 5 13.6	2.304	3.286	3.2	21.6
3 22	11 47.38	− 3 52.1	2.291	3.284	1.7	21.5
4 1	11 39.97	− 2 28.0	2.309	3.282	4.7	21.7
4 11	11 33.53	− 1 7.7	2.355	3.279	8.0	21.9
4 21	11 28.59	+ 0 3.6	2.428	3.275	11.0	22.1
112350 2002 NG_{11}			3 17.9 187°.23		3°.4/21.2 18	
2 11	12 16.66	−11 4.0	2.171	2.930	14.4	20.2
2 21	12 11.61	−11 4.1	2.076	2.930	11.6	20.0
3 2	12 4.51	−10 46.3	2.003	2.929	8.4	19.8
3 12	11 55.95	−10 11.4	1.957	2.927	5.1	19.6
3 22	11 46.74	− 9 22.6	1.939	2.925	3.4	19.5
4 1	11 37.82	− 8 25.1	1.950	2.922	5.6	19.6
4 11	11 30.09	− 7 25.5	1.989	2.918	8.9	19.8
4 21	11 24.20	− 6 29.8	2.054	2.914	12.2	20.0
500669 2012 VU_{39}			3 17.9 135°.45		3°.2/21.9 17	
2 11	12 11.58	−12 26.2	2.565	3.317	12.6	21.6
2 21	12 7.43	−12 19.9	2.476	3.323	10.2	21.4
3 2	12 1.68	−11 57.3	2.409	3.329	7.5	21.3
3 12	11 54.84	−11 19.6	2.368	3.335	4.7	21.1
3 22	11 47.56	−10 29.8	2.356	3.340	3.2	21.0
4 1	11 40.55	− 9 32.2	2.374	3.346	4.7	21.1
4 11	11 34.51	− 8 32.4	2.420	3.351	7.5	21.3
4 21	11 29.92	− 7 35.6	2.491	3.356	10.2	21.5
403242 2008 WD_{31}			3 17.9 251°.65		2°.3/15.9 17	
2 11	12 18.85	+ 4 5.0	1.757	2.579	14.7	22.2
2 21	12 13.90	+ 4 48.3	1.656	2.559	11.2	21.9
3 2	12 6.33	+ 5 43.7	1.578	2.537	7.1	21.6
3 12	11 56.75	+ 6 45.2	1.526	2.515	3.0	21.3
3 22	11 46.13	+ 7 45.2	1.503	2.491	3.9	21.3
4 1	11 35.70	+ 8 35.7	1.509	2.467	8.4	21.5
4 11	11 26.67	+ 9 10.5	1.539	2.442	12.9	21.7
4 21	11 19.94	+ 9 26.3	1.592	2.416	16.8	21.9

2020	α_{2000}	δ_{2000}	Δ	r	β	V
349427 2008 AJ_{57}			3 17.9 32°.69		1°.2/16.6 17	
	h m	° ′			°	m
2 11	12 10.93	+ 1 48.1	1.983	2.808	13.2	21.0
2 21	12 7.26	+ 2 26.6	1.913	2.817	9.9	20.8
3 2	12 1.69	+ 3 15.7	1.866	2.826	6.1	20.6
3 12	11 54.86	+ 4 10.1	1.846	2.836	2.3	20.4
3 22	11 47.57	+ 5 4.0	1.855	2.846	2.5	20.4
4 1	11 40.70	+ 5 51.1	1.891	2.857	6.4	20.7
4 11	11 35.06	+ 6 26.8	1.954	2.867	10.0	20.9
4 21	11 31.18	+ 6 48.2	2.040	2.879	13.1	21.1
133384 2003 SK_{156}			3 17.9 203°.30		0°.3/18.2 18	
2 11	12 16.04	− 2 54.6	1.968	2.770	14.2	21.2
2 21	12 11.31	− 2 22.6	1.877	2.766	10.9	21.0
3 2	12 4.40	− 1 35.3	1.809	2.761	7.1	20.7
3 12	11 55.93	− 0 36.5	1.768	2.756	2.8	20.4
3 22	11 46.77	+ 0 28.0	1.755	2.750	1.8	20.3
4 1	11 37.93	+ 1 31.2	1.772	2.743	6.2	20.6
4 11	11 30.37	+ 2 26.6	1.816	2.736	10.3	20.8
4 21	11 24.76	+ 3 9.4	1.884	2.728	13.8	21.0
502585 2015 CH_{4}			3 17.9 196°.82		2°.7/14.8 17	
2 11	12 12.99	+ 6 0.8	2.130	2.958	12.3	21.3
2 21	12 8.78	+ 6 59.3	2.050	2.957	9.2	21.1
3 2	12 2.67	+ 8 5.8	1.995	2.955	5.8	20.9
3 12	11 55.25	+ 9 14.1	1.967	2.953	2.9	20.7
3 22	11 47.29	+10 17.7	1.969	2.951	4.0	20.8
4 1	11 39.67	+11 10.3	1.999	2.949	7.3	21.0
4 11	11 33.22	+11 47.5	2.056	2.947	10.7	21.2
4 21	11 28.50	+12 7.3	2.134	2.944	13.6	21.4
218661 2005 SW_{171}			3 17.9 160°.93		1°.3/19.2 16	
2 11	12 15.16	− 5 22.3	2.189	2.976	13.4	22.2
2 21	12 10.35	− 5 2.5	2.104	2.982	10.4	22.1
3 2	12 3.63	− 4 28.1	2.042	2.987	6.9	21.8
3 12	11 55.60	− 3 41.9	2.007	2.991	3.2	21.6
3 22	11 47.04	− 2 48.5	2.001	2.995	1.7	21.5
4 1	11 38.83	− 1 53.4	2.025	2.998	5.3	21.8
4 11	11 31.79	− 1 2.5	2.077	3.001	8.9	22.0
4 21	11 26.50	− 0 20.4	2.154	3.004	12.1	22.2
502151 2015 BQ_{34}			3 17.9 66°.27		5°.8/22.8 18	
2 11	12 18.15	−14 27.9	1.845	2.597	16.8	21.5
2 21	12 13.00	−15 15.1	1.770	2.611	13.9	21.3
3 2	12 5.49	−15 41.9	1.716	2.625	10.6	21.1
3 12	11 56.34	−15 47.0	1.685	2.640	7.5	21.0
3 22	11 46.53	−15 31.9	1.681	2.655	5.8	20.9
4 1	11 37.19	−15 0.7	1.705	2.669	7.0	21.0
4 11	11 29.35	−14 20.3	1.755	2.684	9.9	21.2
4 21	11 23.71	−13 37.9	1.828	2.699	13.0	21.4
202491 2006 BC_{62}			3 17.9 83°.37		4°.8/14.4 18	
2 11	12 21.65	+10 2.2	1.407	2.248	16.7	20.8
2 21	12 15.88	+10 54.9	1.358	2.270	12.5	20.6
3 2	12 7.32	+11 51.9	1.332	2.291	8.1	20.4
3 12	11 56.97	+12 43.7	1.331	2.313	5.0	20.3
3 22	11 46.17	+13 21.9	1.356	2.334	6.3	20.4
4 1	11 36.31	+13 40.3	1.408	2.355	10.1	20.7
4 11	11 28.52	+13 36.8	1.484	2.375	14.0	20.9
4 21	11 23.43	+13 12.6	1.579	2.395	17.4	21.2
348872 2006 SN_{176}			3 17.9 282°.46		0°.8/18.7 17	
2 11	12 11.82	− 3 41.4	2.239	3.038	12.7	21.4
2 21	12 7.94	− 3 22.3	2.137	3.023	9.9	21.2
3 2	12 2.20	− 2 49.8	2.058	3.008	6.5	21.0
3 12	11 55.11	− 2 6.5	2.007	2.993	2.8	20.7
3 22	11 47.38	− 1 16.7	1.984	2.978	1.5	20.6
4 1	11 39.85	− 0 25.8	1.990	2.963	5.4	20.8
4 11	11 33.34	+ 0 20.6	2.024	2.948	9.1	21.0
4 21	11 28.47	+ 0 58.0	2.081	2.933	12.4	21.2
368239 2001 UP_{134}			3 17.9 89°.61		5°.3/23.7 18	
2 11	12 12.50	−17 34.9	1.874	2.618	16.8	20.9
2 21	12 8.69	−17 23.9	1.794	2.629	14.0	20.7
3 2	12 2.73	−16 46.5	1.734	2.641	10.7	20.5
3 12	11 55.30	−15 43.5	1.697	2.652	7.4	20.3
3 22	11 47.29	−14 19.1	1.687	2.664	5.4	20.2
4 1	11 39.73	−12 40.6	1.705	2.675	6.4	20.3
4 11	11 33.55	−10 57.7	1.750	2.687	9.4	20.5
4 21	11 29.37	− 9 19.5	1.819	2.698	12.7	20.7
434462 2005 QN_{40}			3 17.9 237°.17		0°.4/17.3 17	
2 11	12 9.93	− 1 25.8	2.844	3.643	10.3	21.9
2 21	12 6.10	− 0 29.8	2.740	3.630	7.8	21.7
3 2	12 0.83	+ 0 37.5	2.662	3.616	5.0	21.5
3 12	11 54.55	+ 1 52.6	2.613	3.602	1.8	21.3
3 22	11 47.80	+ 3 10.5	2.595	3.588	1.6	21.3
4 1	11 41.23	+ 4 25.8	2.608	3.573	4.9	21.5
4 11	11 35.43	+ 5 33.7	2.650	3.558	7.9	21.6
4 21	11 30.89	+ 6 30.3	2.717	3.542	10.6	21.8

473112 2015 HZ_{173} 3 17.9 325°.68 6°.0/10.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 12.88	+17 7.6	2.150	2.990	11.7	20.2
2 21	12 8.73	+18 15.1	2.080	2.986	9.1	20.0
3 2	12 2.65	+19 21.5	2.036	2.982	6.8	19.8
3 12	11 55.25	+20 19.3	2.018	2.978	6.0	19.8
3 22	11 47.35	+21 2.0	2.028	2.975	7.2	19.8
4 1	11 39.83	+21 24.9	2.064	2.971	9.7	20.0
4 11	11 33.52	+21 26.2	2.124	2.968	12.4	20.1
4 21	11 29.01	+21 6.6	2.205	2.965	14.8	20.3

7056 Kierkegaard 3 17.9 298°.06 2°.9/14.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 13.48	+ 6 44.5	1.932	2.765	13.1	17.3
2 21	12 9.37	+ 7 31.1	1.852	2.761	9.9	17.1
3 2	12 3.15	+ 8 25.3	1.795	2.756	6.3	16.9
3 12	11 55.47	+ 9 20.7	1.765	2.751	3.2	16.7
3 22	11 47.18	+10 10.7	1.764	2.747	4.2	16.7
4 1	11 39.26	+10 49.2	1.790	2.743	7.8	16.9
4 11	11 32.62	+11 11.9	1.842	2.738	11.4	17.1
4 21	11 27.90	+11 17.0	1.915	2.734	14.6	17.3

312949 1995 UG_{82} 3 17.9 66°.47 2°.4/15.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 15.98	+ 3 37.7	1.482	2.319	16.2	20.9
2 21	12 11.57	+ 4 28.2	1.425	2.336	12.1	20.6
3 2	12 4.62	+ 5 30.3	1.391	2.353	7.5	20.4
3 12	11 56.01	+ 6 36.3	1.382	2.370	3.1	20.2
3 22	11 46.87	+ 7 37.5	1.400	2.388	3.9	20.3
4 1	11 38.45	+ 8 26.1	1.444	2.406	8.4	20.6
4 11	11 31.79	+ 8 56.8	1.513	2.423	12.6	20.9
4 21	11 27.53	+ 9 7.8	1.603	2.441	16.1	21.1

83458 2001 SN_{63} 3 17.9 246°.65 0°.6/17.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 14.12	− 0 19.2	2.000	2.812	13.6	20.2
2 21	12 9.90	+ 0 20.3	1.903	2.799	10.4	20.0
3 2	12 3.55	+ 1 13.7	1.829	2.786	6.6	19.7
3 12	11 55.66	+ 2 16.3	1.783	2.772	2.4	19.4
3 22	11 47.04	+ 3 22.0	1.765	2.758	2.2	19.4
4 1	11 38.66	+ 4 24.0	1.776	2.744	6.5	19.6
4 11	11 31.47	+ 5 15.8	1.814	2.729	10.6	19.8
4 21	11 26.17	+ 5 53.2	1.875	2.713	14.1	20.0

363773 2005 EY_{167} 3 17.9 43°.91 0°.5/18.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 13.90	− 3 11.9	1.494	2.315	16.9	20.9
2 21	12 10.19	− 2 42.1	1.420	2.319	13.0	20.7
3 2	12 3.90	− 1 53.3	1.367	2.323	8.4	20.4
3 12	11 55.81	− 0 50.4	1.339	2.327	3.3	20.1
3 22	11 46.97	+ 0 19.2	1.337	2.331	2.0	20.0
4 1	11 38.66	+ 1 26.5	1.362	2.336	7.2	20.3
4 11	11 32.00	+ 2 23.2	1.412	2.341	11.9	20.6
4 21	11 27.73	+ 3 4.0	1.483	2.346	15.9	20.9

362719 2011 UQ_{243} 3 17.9 303°.58 6°.0/22.9 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 12.18	−15 20.9	1.460	2.237	19.4	20.4
2 21	12 9.27	−15 33.7	1.368	2.226	16.2	20.1
3 2	12 3.58	−15 17.4	1.295	2.216	12.4	19.8
3 12	11 55.78	−14 30.7	1.243	2.206	8.4	19.6
3 22	11 46.93	−13 16.4	1.215	2.197	6.1	19.4
4 1	11 38.37	−11 42.4	1.213	2.187	7.8	19.5
4 11	11 31.45	−10 0.5	1.235	2.178	11.9	19.7
4 21	11 27.08	− 8 22.6	1.279	2.169	16.1	19.9

104492 2000 GQ_{30} 3 17.9 63°.12 0°.1/17.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 12.04	− 1 52.5	2.095	2.903	13.2	19.8
2 21	12 8.09	− 1 22.2	2.012	2.906	10.1	19.6
3 2	12 2.25	− 0 38.9	1.954	2.908	6.4	19.4
3 12	11 55.12	+ 0 13.4	1.922	2.911	2.5	19.1
3 22	11 47.47	+ 1 9.5	1.919	2.913	1.7	19.0
4 1	11 40.16	+ 2 3.3	1.945	2.916	5.7	19.3
4 11	11 34.01	+ 2 49.3	1.997	2.918	9.4	19.6
4 21	11 29.59	+ 3 23.7	2.074	2.921	12.6	19.8

90606 4879 *P–L* 3 17.9 206°.98 1°.3/16.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 15.40	+ 2 18.4	2.101	2.916	12.9	20.4
2 21	12 10.68	+ 2 56.9	2.013	2.912	9.8	20.2
3 2	12 3.94	+ 3 45.9	1.949	2.907	6.1	19.9
3 12	11 55.78	+ 4 40.4	1.912	2.901	2.3	19.7
3 22	11 47.01	+ 5 34.6	1.905	2.896	2.7	19.7
4 1	11 38.54	+ 6 22.5	1.927	2.889	6.5	19.9
4 11	11 31.28	+ 6 59.0	1.976	2.883	10.3	20.1
4 21	11 25.84	+ 7 21.3	2.048	2.876	13.5	20.3

316182 2010 GP_{150} 3 17.9 225°.46 3°.3/14.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 16.83	+ 7 6.9	2.052	2.876	12.8	22.4
2 21	12 11.90	+ 8 9.2	1.960	2.864	9.7	22.2
3 2	12 4.80	+ 9 19.9	1.892	2.851	6.2	21.9
3 12	11 56.14	+10 32.4	1.853	2.837	3.4	21.7
3 22	11 46.74	+11 39.3	1.844	2.823	4.6	21.8
4 1	11 37.62	+12 33.6	1.863	2.808	8.1	22.0
4 11	11 29.72	+13 10.5	1.908	2.792	11.7	22.1
4 21	11 23.75	+13 28.1	1.975	2.775	14.9	22.3

87453 2000 QE_{121} 3 17.9 176°.11 3°.0/20.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 18.52	− 8 53.9	2.366	3.127	13.3	19.8
2 21	12 12.84	− 9 12.0	2.273	3.129	10.6	19.6
3 2	12 5.23	− 9 16.2	2.202	3.131	7.6	19.4
3 12	11 56.25	− 9 7.2	2.159	3.132	4.5	19.2
3 22	11 46.68	− 8 47.1	2.146	3.133	3.0	19.1
4 1	11 37.39	− 8 19.6	2.162	3.133	5.2	19.3
4 11	11 29.22	− 7 49.5	2.207	3.132	8.4	19.5
4 21	11 22.79	− 7 21.4	2.277	3.132	11.4	19.7

385289 2001 TH_{99} 3 17.9 87°.04 1°.7/16.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 17.92	+ 5 47.8	2.429	3.240	11.5	21.3
2 21	12 12.03	+ 6 4.0	2.368	3.265	8.6	21.1
3 2	12 4.47	+ 6 24.8	2.333	3.289	5.3	21.0
3 12	11 55.88	+ 6 46.3	2.326	3.314	2.2	20.8
3 22	11 47.01	+ 7 4.6	2.349	3.337	2.7	20.9
4 1	11 38.63	+ 7 16.2	2.403	3.361	5.8	21.1
4 11	11 31.44	+ 7 18.7	2.485	3.384	8.8	21.3
4 21	11 25.91	+ 7 11.0	2.591	3.406	11.3	21.5

372422 2009 SP_{16} 3 17.9 183°.00 0°.9/19.0 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 12.48	− 6 36.2	2.268	3.053	13.0	22.0
2 21	12 8.33	− 5 41.1	2.176	3.054	10.1	21.8
3 2	12 2.38	− 4 28.6	2.108	3.054	6.7	21.5
3 12	11 55.18	− 3 2.6	2.068	3.053	3.0	21.3
3 22	11 47.46	− 1 28.9	2.058	3.052	1.5	21.2
4 1	11 40.03	+ 0 5.2	2.079	3.051	5.2	21.4
4 11	11 33.68	+ 1 32.4	2.127	3.049	8.9	21.7
4 21	11 28.96	+ 2 47.4	2.201	3.046	12.1	21.9

67914 2000 WJ_{104} 3 17.9 138°.09 1°.7/16.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 17.02	+ 2 22.8	2.007	2.821	13.4	19.9
2 21	12 11.82	+ 3 20.7	1.937	2.836	10.1	19.7
3 2	12 4.58	+ 4 29.3	1.892	2.850	6.2	19.5
3 12	11 55.99	+ 5 42.6	1.874	2.863	2.5	19.3
3 22	11 46.93	+ 6 53.4	1.887	2.875	3.1	19.4
4 1	11 38.36	+ 7 55.1	1.928	2.887	6.9	19.6
4 11	11 31.14	+ 8 42.5	1.997	2.898	10.5	19.9
4 21	11 25.84	+ 9 13.1	2.089	2.908	13.6	20.1

160790 2000 TP_{42} 3 17.9 220°.86 2°.3/15.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 11.86	+ 2 53.4	2.086	2.909	12.7	21.0
2 21	12 8.04	+ 4 14.4	1.998	2.903	9.5	20.7
3 2	12 2.29	+ 5 48.0	1.936	2.897	5.9	20.5
3 12	11 55.18	+ 7 27.5	1.903	2.891	2.6	20.3
3 22	11 47.47	+ 9 4.9	1.899	2.884	3.7	20.3
4 1	11 40.04	+10 32.2	1.924	2.876	7.3	20.5
4 11	11 33.75	+11 42.9	1.975	2.869	10.9	20.8
4 21	11 29.20	+12 33.9	2.050	2.861	14.1	20.9

466138 2012 GU_{31} 3 17.9 288°.65 0°.1/17.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 15.87	− 0 40.8	1.825	2.638	14.6	21.7
2 21	12 11.66	− 0 24.4	1.712	2.608	11.4	21.4
3 2	12 4.97	+ 0 5.9	1.621	2.577	7.4	21.1
3 12	11 56.32	+ 0 47.0	1.557	2.546	2.8	20.8
3 22	11 46.59	+ 1 33.6	1.520	2.514	2.1	20.7
4 1	11 36.90	+ 2 19.1	1.512	2.482	7.0	20.9
4 11	11 28.43	+ 2 56.7	1.529	2.450	11.7	21.1
4 21	11 22.09	+ 3 21.4	1.569	2.418	15.9	21.3

490355 2009 FQ_{28} 3 17.9 167°.24 5°.0/12.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 21.27	+17 57.5	2.490	3.308	11.0	21.1
2 21	12 14.69	+18 20.3	2.416	3.309	8.6	20.9
3 2	12 6.24	+18 39.4	2.368	3.310	6.3	20.8
3 12	11 56.59	+18 49.6	2.348	3.311	5.0	20.7
3 22	11 46.53	+18 46.7	2.358	3.312	5.9	20.7
4 1	11 36.94	+18 28.2	2.398	3.313	8.2	20.9
4 11	11 28.60	+17 53.8	2.464	3.314	10.7	21.0
4 21	11 22.05	+17 4.8	2.554	3.314	13.0	21.2

350585 2001 PH_{16} 3 17.9 183°.24 4°.1/13.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 18.27	+ 8 29.8	1.810	2.641	14.0	21.6
2 21	12 13.12	+ 9 40.5	1.735	2.642	10.5	21.4
3 2	12 5.61	+10 58.7	1.684	2.642	6.8	21.2
3 12	11 56.44	+12 16.2	1.660	2.642	4.2	21.0
3 22	11 46.60	+13 24.4	1.665	2.641	5.5	21.1
4 1	11 37.22	+14 16.0	1.698	2.639	9.1	21.3
4 11	11 29.34	+14 46.6	1.756	2.636	12.8	21.5
4 21	11 23.64	+14 55.4	1.835	2.632	16.0	21.7

354804 2005 VJ_{81} 3 17.9 64°.80 5°.3/14.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 19.91	+10 2.5	1.242	2.093	17.8	20.4
2 21	12 14.92	+11 1.1	1.195	2.112	13.4	20.2
3 2	12 6.89	+12 4.7	1.169	2.131	8.7	20.0
3 12	11 56.90	+13 2.7	1.168	2.150	5.5	19.8
3 22	11 46.37	+13 45.2	1.192	2.169	6.9	20.0
4 1	11 36.84	+14 5.4	1.240	2.188	11.0	20.3
4 11	11 29.53	+14 0.9	1.311	2.208	15.1	20.5
4 21	11 25.10	+13 33.4	1.401	2.227	18.7	20.8

429202 2009 WP_{165} 3 17.9 125°.10 6°.2/11.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 16.52	+17 32.3	2.052	2.888	12.4	21.4
2 21	12 11.48	+18 40.6	1.993	2.896	9.6	21.2
3 2	12 4.37	+19 46.7	1.958	2.903	7.2	21.1
3 12	11 55.92	+20 42.7	1.951	2.910	6.2	21.1
3 22	11 47.01	+21 21.9	1.971	2.917	7.5	21.1
4 1	11 38.62	+21 40.1	2.018	2.924	10.0	21.3
4 11	11 31.61	+21 35.9	2.089	2.930	12.6	21.5
4 21	11 26.56	+21 10.8	2.180	2.936	15.0	21.7

123559 2000 XG_{33} 3 17.9 59°.84 3°.9/21.1 18

2 11	12 17.77	− 9 24.7	1.811	2.588	16.1	19.6
2 21	12 12.72	− 9 57.3	1.735	2.600	13.0	19.4
3 2	12 5.33	−10 12.5	1.681	2.612	9.3	19.2
3 12	11 56.34	−10 10.4	1.652	2.624	5.7	19.0
3 22	11 46.70	− 9 53.7	1.650	2.637	3.9	19.0
4 1	11 37.55	− 9 26.9	1.677	2.649	6.2	19.1
4 11	11 29.89	− 8 56.3	1.729	2.662	9.8	19.4
4 21	11 24.39	− 8 27.7	1.805	2.674	13.2	19.6

157787 4443 T-3 3 17.9 156°.29 2°.0/15.7 17

2 11	12 14.36	+ 4 31.3	2.135	2.957	12.5	20.8
2 21	12 9.79	+ 5 17.2	2.058	2.961	9.4	20.6
3 2	12 3.31	+ 6 11.4	2.005	2.965	5.8	20.4
3 12	11 55.54	+ 7 8.5	1.980	2.968	2.5	20.2
3 22	11 47.27	+ 8 2.4	1.985	2.971	3.3	20.3
4 1	11 39.38	+ 8 47.4	2.018	2.974	6.8	20.5
4 11	11 32.68	+ 9 19.2	2.078	2.977	10.2	20.7
4 21	11 27.75	+ 9 35.8	2.160	2.979	13.2	20.9

359378 2010 ED_{42} 3 17.9 256°.65 3°.0/15.6 14 C

2 11	12 19.40	+ 6 19.7	1.566	2.399	15.7	21.4
2 21	12 14.51	+ 6 52.0	1.478	2.387	11.9	21.2
3 2	12 6.80	+ 7 33.5	1.413	2.374	7.6	20.9
3 12	11 56.99	+ 8 17.3	1.374	2.361	3.6	20.6
3 22	11 46.20	+ 8 56.0	1.362	2.348	4.5	20.6
4 1	11 35.79	+ 9 22.1	1.376	2.335	9.1	20.8
4 11	11 27.04	+ 9 30.8	1.415	2.321	13.6	21.1
4 21	11 20.83	+ 9 20.3	1.475	2.307	17.6	21.3

415356 2013 JR_{44} 3 17.9 238°.61 0°.3/18.1 16

2 11	12 15.11	− 2 43.2	1.825	2.633	14.8	22.2
2 21	12 10.85	− 2 11.6	1.731	2.623	11.5	22.0
3 2	12 4.28	− 1 23.4	1.659	2.613	7.4	21.7
3 12	11 56.00	− 0 22.8	1.614	2.602	2.9	21.4
3 22	11 46.92	+ 0 44.2	1.596	2.591	1.9	21.3
4 1	11 38.11	+ 1 50.1	1.607	2.579	6.6	21.6
4 11	11 30.64	+ 2 47.4	1.645	2.567	11.0	21.8
4 21	11 25.24	+ 3 31.0	1.705	2.554	14.8	22.0

371179 2005 YG_{87} 3 17.9 132°.95 2°.3/15.5 17

2 11	12 14.43	+ 4 49.5	2.066	2.890	12.8	21.7
2 21	12 9.87	+ 5 40.2	1.993	2.898	9.5	21.5
3 2	12 3.37	+ 6 39.3	1.945	2.905	6.0	21.3
3 12	11 55.56	+ 7 40.7	1.925	2.912	2.7	21.1
3 22	11 47.27	+ 8 38.2	1.933	2.919	3.5	21.2
4 1	11 39.41	+ 9 25.8	1.971	2.926	7.0	21.4
4 11	11 32.79	+ 9 59.2	2.034	2.932	10.5	21.6
4 21	11 27.97	+10 16.3	2.121	2.938	13.5	21.9

190484 2000 ET_{2} 3 17.9 79°.78 1°.8/19.1 18

2 11	12 20.21	− 4 11.5	1.355	2.168	18.7	20.3
2 21	12 15.15	− 4 19.8	1.289	2.182	14.6	20.1
3 2	12 7.13	− 4 9.3	1.244	2.195	9.7	19.8
3 12	11 57.06	− 3 43.2	1.223	2.209	4.4	19.5
3 22	11 46.24	− 3 6.9	1.228	2.222	2.4	19.4
4 1	11 36.16	− 2 28.0	1.260	2.236	7.3	19.8
4 11	11 28.10	− 1 54.3	1.315	2.249	12.2	20.1
4 21	11 22.83	− 1 31.1	1.393	2.262	16.3	20.4

233093 2005 RV_{33} 3 17.9 204°.05 4°.6/22.5 17

2 11	12 17.35	−14 18.2	2.373	3.108	13.9	20.6
2 21	12 12.10	−14 40.3	2.270	3.103	11.5	20.4
3 2	12 4.86	−14 45.2	2.189	3.097	8.8	20.3
3 12	11 56.18	−14 32.4	2.135	3.091	6.0	20.1
3 22	11 46.81	−14 3.4	2.109	3.084	4.6	20.0
4 1	11 37.64	−13 21.9	2.112	3.077	5.8	20.0
4 11	11 29.55	−12 33.4	2.143	3.069	8.6	20.2
4 21	11 23.19	−11 43.9	2.200	3.060	11.5	20.3

62895 2000 UR_{102} 3 17.9 104°.79 0°.4/17.5 18

2 11	12 15.49	+ 0 0.1	1.992	2.803	13.7	19.9
2 21	12 10.71	+ 0 24.9	1.919	2.815	10.4	19.7
3 2	12 3.92	+ 1 1.0	1.870	2.826	6.5	19.5
3 12	11 55.78	+ 1 44.2	1.848	2.837	2.4	19.3
3 22	11 47.14	+ 2 29.2	1.854	2.847	2.0	19.2
4 1	11 38.96	+ 3 10.2	1.889	2.858	6.1	19.5
4 11	11 32.09	+ 3 42.4	1.951	2.868	9.8	19.8
4 21	11 27.11	+ 4 2.6	2.037	2.878	13.0	20.0

94941 2001 YU_{78} 3 17.9 106°.80 2°.1/16.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 18.51	+ 3 34.7	1.535	2.365	16.1	19.7
2 21	12 13.53	+ 4 13.1	1.469	2.376	12.1	19.4
3 2	12 5.94	+ 5 3.0	1.426	2.387	7.6	19.2
3 12	11 56.58	+ 5 57.3	1.408	2.397	3.0	19.0
3 22	11 46.59	+ 6 48.4	1.418	2.408	3.6	19.0
4 1	11 37.25	+ 7 28.7	1.455	2.417	8.2	19.3
4 11	11 29.67	+ 7 53.2	1.516	2.427	12.5	19.6
4 21	11 24.54	+ 7 59.7	1.599	2.437	16.2	19.8

291975 2006 QJ_{78} 3 17.9 206°.54 0°.1/17.9 14 C

2 11	12 16.70	− 1 36.3	2.191	2.989	13.0	22.6
2 21	12 11.64	− 1 8.3	2.096	2.983	10.0	22.4
3 2	12 4.56	− 0 27.6	2.024	2.976	6.4	22.2
3 12	11 56.06	+ 0 22.1	1.981	2.969	2.5	21.9
3 22	11 46.91	+ 1 15.9	1.967	2.961	1.7	21.8
4 1	11 38.03	+ 2 7.9	1.983	2.952	5.8	22.1
4 11	11 30.30	+ 2 52.6	2.027	2.942	9.6	22.3
4 21	11 24.35	+ 3 26.1	2.095	2.932	12.9	22.5

339525 2005 GL_{205} 3 17.9 325°.19 2°.2/15.8 17

2 11	12 11.35	+ 4 10.3	1.840	2.674	13.7	20.8
2 21	12 7.93	+ 4 52.3	1.753	2.663	10.3	20.6
3 2	12 2.37	+ 5 44.7	1.690	2.652	6.5	20.3
3 12	11 55.27	+ 6 41.7	1.652	2.641	2.7	20.1
3 22	11 47.47	+ 7 36.6	1.642	2.631	3.5	20.1
4 1	11 39.99	+ 8 22.4	1.660	2.621	7.6	20.3
4 11	11 33.77	+ 8 53.9	1.702	2.611	11.5	20.5
4 21	11 29.50	+ 9 8.1	1.767	2.602	15.0	20.7

509266 2006 UO_{179} 3 17.9 155°.93 1°.7/20.4 18

2 11	12 10.21	− 9 14.6	2.976	3.738	10.8	21.9
2 21	12 6.19	− 8 35.9	2.884	3.745	8.5	21.8
3 2	12 0.83	− 7 43.3	2.818	3.751	5.9	21.6
3 12	11 54.58	− 6 39.3	2.779	3.757	3.1	21.4
3 22	11 47.98	− 5 27.5	2.771	3.763	1.7	21.3
4 1	11 41.63	− 4 12.9	2.794	3.768	4.0	21.5
4 11	11 36.08	− 3 0.3	2.846	3.772	6.7	21.7
4 21	11 31.75	− 1 54.3	2.926	3.777	9.2	21.8

131806 2002 AS_{66} 3 17.9 7°.17 0°.2/18.0 18

2 11	12 8.72	− 3 3.6	1.083	1.934	19.9	18.7
2 21	12 7.03	− 2 29.5	1.018	1.934	15.3	18.4
3 2	12 2.28	− 1 30.5	0.973	1.935	9.9	18.1
3 12	11 55.32	− 0 12.9	0.949	1.938	3.8	17.8
3 22	11 47.45	+ 1 12.5	0.948	1.943	2.5	17.7
4 1	11 40.23	+ 2 33.1	0.971	1.948	8.6	18.1
4 11	11 35.03	+ 3 37.6	1.015	1.955	14.1	18.4
4 21	11 32.67	+ 4 19.5	1.078	1.963	18.8	18.7

237648 2001 SZ_{148} 3 17.9 107°.07 2°.6/20.2 18

2 11	12 17.11	− 8 44.2	1.583	2.374	17.5	21.2
2 21	12 12.43	− 8 23.6	1.513	2.390	13.8	21.0
3 2	12 5.23	− 7 40.3	1.465	2.406	9.5	20.8
3 12	11 56.32	− 6 37.7	1.441	2.422	4.9	20.5
3 22	11 46.80	− 5 22.1	1.444	2.437	2.7	20.4
4 1	11 37.88	− 4 2.4	1.475	2.451	6.5	20.7
4 11	11 30.65	− 2 47.7	1.532	2.465	10.8	21.0
4 21	11 25.79	− 1 45.1	1.612	2.479	14.6	21.2

400332 2007 UQ_{18} 3 17.9 166°.02 0°.9/18.9 18

2 11	12 16.89	− 4 53.3	2.147	2.934	13.6	22.5
2 21	12 11.72	− 4 23.1	2.062	2.941	10.6	22.3
3 2	12 4.57	− 3 37.8	2.000	2.946	7.0	22.1
3 12	11 56.05	− 2 40.7	1.966	2.951	3.0	21.8
3 22	11 46.97	− 1 37.0	1.961	2.955	1.6	21.7
4 1	11 38.27	− 0 32.9	1.986	2.958	5.5	22.0
4 11	11 30.78	+ 0 25.4	2.039	2.960	9.2	22.2
4 21	11 25.13	+ 1 13.2	2.118	2.962	12.5	22.4

426156 2012 HC_{58} 3 17.9 326°.60 5°.6/12.2 17

2 11	12 12.22	+11 14.1	1.661	2.511	14.1	20.4
2 21	12 8.78	+12 44.9	1.591	2.507	10.7	20.2
3 2	12 2.97	+14 21.9	1.544	2.503	7.3	20.0
3 12	11 55.50	+15 55.3	1.524	2.499	5.6	19.9
3 22	11 47.35	+17 14.9	1.531	2.496	7.2	19.9
4 1	11 39.64	+18 12.6	1.563	2.493	10.7	20.1
4 11	11 33.41	+18 44.1	1.619	2.490	14.2	20.3
4 21	11 29.35	+18 49.3	1.694	2.487	17.3	20.5

413911 2006 WT_{61} 3 17.9 84°.39 6°.9/11.3 18

2 11	12 19.03	+17 7.6	1.760	2.598	14.0	21.1
2 21	12 13.46	+18 32.0	1.721	2.625	10.8	21.0
3 2	12 5.62	+19 52.8	1.706	2.652	8.0	20.8
3 12	11 56.38	+21 0.7	1.719	2.678	6.9	20.8
3 22	11 46.82	+21 48.0	1.758	2.704	8.2	21.0
4 1	11 38.05	+22 10.5	1.823	2.729	10.9	21.2
4 11	11 30.98	+22 7.8	1.912	2.754	13.6	21.4
4 21	11 26.14	+21 42.5	2.021	2.778	16.0	21.6

151727 2003 BQ_{80} 3 17.9 20°.70 2°.3/19.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 15.92	− 4 40.6	1.441	2.257	17.7	19.3
2 21	12 11.84	− 5 2.2	1.370	2.262	13.9	19.1
3 2	12 5.04	− 5 6.4	1.318	2.268	9.4	18.8
3 12	11 56.31	− 4 55.3	1.291	2.275	4.6	18.5
3 22	11 46.80	− 4 33.0	1.289	2.282	2.7	18.4
4 1	11 37.86	− 4 5.7	1.313	2.291	6.9	18.7
4 11	11 30.67	− 3 40.3	1.362	2.299	11.5	19.0
4 21	11 26.02	− 3 22.5	1.433	2.309	15.5	19.3

410025 2006 XO_{3} 3 17.9 89°.77 4°.1/13.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 15.98	+ 8 40.0	1.765	2.602	14.0	21.4
2 21	12 11.22	+ 9 54.7	1.712	2.622	10.5	21.2
3 2	12 4.27	+11 15.1	1.683	2.642	6.7	21.0
3 12	11 55.91	+12 32.5	1.681	2.662	4.2	20.9
3 22	11 47.13	+13 38.9	1.707	2.682	5.5	21.0
4 1	11 38.98	+14 27.7	1.760	2.701	8.9	21.3
4 11	11 32.37	+14 55.5	1.838	2.720	12.2	21.5
4 21	11 27.85	+15 2.2	1.938	2.738	15.2	21.8

64988 2002 AH_{52} 3 17.9 138°.33 0°.1/17.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 18.27	− 1 59.6	1.887	2.689	14.6	20.3
2 21	12 12.93	− 1 23.7	1.813	2.703	11.2	20.1
3 2	12 5.38	− 0 33.3	1.763	2.716	7.1	19.9
3 12	11 56.36	+ 0 26.8	1.740	2.729	2.7	19.7
3 22	11 46.80	+ 1 30.2	1.747	2.740	1.9	19.6
4 1	11 37.75	+ 2 30.1	1.782	2.751	6.3	19.9
4 11	11 30.14	+ 3 20.2	1.844	2.761	10.3	20.2
4 21	11 24.61	+ 3 56.6	1.930	2.771	13.7	20.4

451124 2009 KC_{3} 3 17.9 303°.38 1°.4/19.4 15 C

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 17.98	− 5 36.7	2.872	3.637	11.1	23.8
2 21	12 12.57	− 5 24.8	2.713	3.579	8.8	23.5
3 2	12 5.27	− 5 0.7	2.580	3.519	6.0	23.3
3 12	11 56.43	− 4 25.4	2.475	3.457	3.0	23.0
3 22	11 46.62	− 3 41.5	2.402	3.395	1.7	22.8
4 1	11 36.58	− 2 52.7	2.360	3.331	4.9	22.9
4 11	11 27.13	− 2 3.8	2.349	3.266	8.4	23.0
4 21	11 18.98	− 1 19.5	2.365	3.199	11.7	23.1

303405 2004 XM_{158} 3 17.9 70°.61 4°.0/14.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 16.67	+ 6 58.1	1.408	2.253	16.4	20.6
2 21	12 12.25	+ 8 4.9	1.355	2.269	12.3	20.4
3 2	12 5.14	+ 9 20.6	1.323	2.286	7.8	20.2
3 12	11 56.28	+10 35.5	1.317	2.303	4.3	20.0
3 22	11 46.88	+11 39.9	1.338	2.319	5.6	20.1
4 1	11 38.24	+12 25.7	1.384	2.336	9.7	20.4
4 11	11 31.48	+12 48.8	1.454	2.353	13.8	20.7
4 21	11 27.24	+12 48.8	1.544	2.369	17.2	20.9

386601 2009 FP_{69} 3 17.9 32°.59 4°.7/12.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 15.95	+14 54.8	2.296	3.126	11.4	20.7
2 21	12 10.87	+15 32.6	2.224	3.127	8.7	20.5
3 2	12 3.95	+16 9.7	2.177	3.128	6.1	20.3
3 12	11 55.79	+16 40.3	2.159	3.129	4.7	20.3
3 22	11 47.19	+16 59.3	2.168	3.131	5.7	20.3
4 1	11 39.01	+17 3.1	2.206	3.132	8.2	20.5
4 11	11 32.03	+16 50.2	2.270	3.133	11.0	20.6
4 21	11 26.78	+16 21.1	2.355	3.134	13.4	20.8

497391 2005 VA_{81} 3 17.9 194°.55 5°.8/11.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 17.68	+17 50.7	2.328	3.156	11.4	22.0
2 21	12 12.24	+18 56.4	2.255	3.153	8.9	21.9
3 2	12 4.86	+20 0.4	2.209	3.150	6.7	21.7
3 12	11 56.16	+20 55.4	2.190	3.147	5.8	21.7
3 22	11 46.95	+21 35.5	2.200	3.143	7.0	21.7
4 1	11 38.13	+21 56.2	2.238	3.138	9.4	21.9
4 11	11 30.52	+21 56.1	2.300	3.133	11.9	22.0
4 21	11 24.71	+21 36.0	2.384	3.127	14.2	22.2

362104 2009 CF_{23} 3 17.9 0°.21 1°.7/16.4 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 11.67	+ 0 12.2	1.340	2.182	17.3	21.0
2 21	12 8.81	+ 1 15.3	1.268	2.181	13.1	20.8
3 2	12 3.21	+ 2 38.0	1.217	2.180	8.2	20.5
3 12	11 55.66	+ 4 12.4	1.190	2.180	3.0	20.2
3 22	11 47.28	+ 5 47.6	1.189	2.180	3.6	20.2
4 1	11 39.43	+ 7 12.1	1.214	2.181	8.8	20.5
4 11	11 33.32	+ 8 16.8	1.262	2.182	13.7	20.8
4 21	11 29.74	+ 8 57.2	1.330	2.184	17.9	21.0

210834 2001 PR_{39} 3 17.9 98°.72 0°.4/18.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 17.34	− 1 9.8	2.494	3.285	11.8	20.3
2 21	12 11.66	− 1 9.0	2.422	3.305	9.0	20.1
3 2	12 4.32	− 0 59.2	2.376	3.325	5.8	19.9
3 12	11 55.91	− 0 43.0	2.357	3.345	2.3	19.7
3 22	11 47.16	− 0 23.8	2.370	3.364	1.4	19.7
4 1	11 38.82	− 0 5.1	2.412	3.383	4.8	20.0
4 11	11 31.59	+ 0 9.7	2.483	3.401	7.9	20.2
4 21	11 25.96	+ 0 17.8	2.580	3.419	10.7	20.4

422850 2002 GQ_{184} 3 17.9 343°.28 0°.4/18.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 11.16	− 2 24.9	1.569	2.395	16.0	21.2
2 21	12 8.14	− 2 4.4	1.486	2.387	12.4	21.0
3 2	12 2.67	− 1 26.7	1.423	2.380	8.0	20.7
3 12	11 55.45	− 0 36.0	1.386	2.374	3.2	20.4
3 22	11 47.43	+ 0 21.4	1.374	2.369	2.0	20.3
4 1	11 39.78	+ 1 17.5	1.389	2.364	6.9	20.6
4 11	11 33.61	+ 2 4.7	1.429	2.360	11.6	20.8
4 21	11 29.66	+ 2 37.7	1.490	2.357	15.6	21.1

117745 2005 GP_{37} 3 17.9 287°.33 7°.7/25.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 11.86	−20 55.9	1.708	2.441	18.6	19.6
2 21	12 8.89	−21 12.0	1.599	2.420	16.1	19.3
3 2	12 3.34	−20 58.3	1.507	2.399	13.1	19.1
3 12	11 55.78	−20 11.7	1.437	2.377	9.9	18.8
3 22	11 47.13	−18 52.6	1.391	2.356	7.8	18.6
4 1	11 38.61	−17 6.5	1.370	2.334	8.4	18.6
4 11	11 31.45	−15 4.0	1.375	2.313	11.4	18.7
4 21	11 26.61	−12 57.9	1.403	2.291	15.1	18.9

251865 1999 VY_{12} 3 17.9 199°.42 14°.7/30.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 19.50	−32 48.2	1.488	2.144	23.8	20.2
2 21	12 15.46	−34 17.5	1.402	2.142	21.8	20.0
3 2	12 7.94	−35 11.5	1.329	2.140	19.5	19.9
3 12	11 57.63	−35 21.4	1.273	2.137	17.1	19.7
3 22	11 45.85	−34 41.8	1.236	2.133	15.3	19.5
4 1	11 34.37	−33 14.0	1.219	2.129	14.7	19.5
4 11	11 24.94	−31 8.2	1.224	2.124	15.7	19.5
4 21	11 18.74	−28 40.1	1.250	2.119	17.8	19.6

410031 2006 XL_{31} 3 17.9 104°.13 0°.8/18.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 17.41	− 3 41.5	1.971	2.766	14.4	22.0
2 21	12 12.11	− 3 17.7	1.904	2.788	11.0	21.8
3 2	12 4.78	− 2 39.6	1.861	2.810	7.1	21.6
3 12	11 56.13	− 1 51.0	1.845	2.831	3.0	21.4
3 22	11 47.05	− 0 57.4	1.858	2.852	1.6	21.3
4 1	11 38.51	− 0 5.0	1.900	2.872	5.7	21.6
4 11	11 31.37	+ 0 40.7	1.969	2.891	9.4	21.9
4 21	11 26.18	+ 1 15.4	2.063	2.910	12.7	22.1

187756 1996 RX_{18} 3 17.9 165°.35 0°.1/17.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 15.04	− 1 27.3	2.262	3.062	12.6	21.4
2 21	12 10.24	− 0 56.2	2.178	3.067	9.6	21.3
3 2	12 3.60	− 0 13.3	2.118	3.071	6.1	21.0
3 12	11 55.71	+ 0 37.7	2.086	3.074	2.3	20.8
3 22	11 47.31	+ 1 31.7	2.084	3.077	1.6	20.7
4 1	11 39.25	+ 2 23.3	2.111	3.080	5.5	21.0
4 11	11 32.32	+ 3 7.3	2.166	3.082	9.0	21.2
4 21	11 27.07	+ 3 40.2	2.246	3.084	12.1	21.4

269260 2008 RE_{19} 3 17.9 304°.60 2°.0/19.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 18.95	− 3 3.7	1.714	2.517	15.8	20.1
2 21	12 14.16	− 3 36.2	1.608	2.495	12.5	19.9
3 2	12 6.67	− 3 57.0	1.525	2.473	8.5	19.6
3 12	11 57.06	− 4 7.0	1.466	2.451	4.1	19.3
3 22	11 46.30	− 4 8.4	1.435	2.429	2.5	19.1
4 1	11 35.65	− 4 5.2	1.432	2.407	6.8	19.3
4 11	11 26.40	− 4 2.4	1.455	2.386	11.5	19.5
4 21	11 19.49	− 4 4.5	1.501	2.365	15.7	19.7

254612 2005 GZ_{178} 3 17.9 328°.06 0°.8/18.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 11.42	− 3 19.2	1.336	2.168	17.9	20.0
2 21	12 8.82	− 3 2.5	1.250	2.154	14.0	19.7
3 2	12 3.40	− 2 24.9	1.184	2.141	9.2	19.4
3 12	11 55.82	− 1 30.1	1.141	2.129	3.8	19.1
3 22	11 47.19	− 0 25.4	1.123	2.117	2.2	18.9
4 1	11 38.91	+ 0 39.9	1.130	2.107	7.8	19.2
4 11	11 32.32	+ 1 35.9	1.160	2.097	13.1	19.5
4 21	11 28.35	+ 2 15.7	1.210	2.087	17.7	19.7

231642 2009 UY_{140} 3 17.9 143°.32 5°.8/10.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 15.08	+17 31.2	2.346	3.178	11.1	21.0
2 21	12 10.20	+18 50.2	2.287	3.188	8.7	20.8
3 2	12 3.52	+20 7.5	2.254	3.196	6.6	20.7
3 12	11 55.66	+21 15.7	2.249	3.205	5.8	20.7
3 22	11 47.39	+22 8.5	2.273	3.213	7.0	20.7
4 1	11 39.54	+22 41.8	2.324	3.220	9.3	20.9
4 11	11 32.88	+22 53.8	2.399	3.227	11.6	21.1
4 21	11 27.92	+22 45.5	2.496	3.234	13.8	21.2

504135 2006 RC_{105} 3 17.9 198°.86 0°.2/17.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 12.17	− 0 32.8	3.064	3.858	9.8	23.0
2 21	12 7.67	− 0 3.0	2.968	3.854	7.4	22.8
3 2	12 1.80	+ 0 35.3	2.897	3.850	4.7	22.6
3 12	11 55.01	+ 1 19.2	2.856	3.845	1.7	22.4
3 22	11 47.82	+ 2 5.0	2.846	3.839	1.4	22.4
4 1	11 40.83	+ 2 49.0	2.866	3.833	4.4	22.6
4 11	11 34.60	+ 3 27.3	2.915	3.826	7.2	22.8
4 21	11 29.58	+ 3 57.5	2.991	3.819	9.7	22.9

501143 2013 TB_{54} 3 17.9 216°.19 1°.7/19.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 14.97	− 7 2.8	2.490	3.263	12.4	22.9
2 21	12 10.18	− 6 45.3	2.385	3.253	9.7	22.7
3 2	12 3.60	− 6 13.3	2.304	3.243	6.7	22.5
3 12	11 55.75	− 5 29.0	2.251	3.232	3.4	22.2
3 22	11 47.30	− 4 35.9	2.228	3.220	1.9	22.1
4 1	11 39.04	− 3 38.9	2.235	3.208	4.9	22.3
4 11	11 31.74	− 2 43.5	2.271	3.195	8.2	22.5
4 21	11 26.00	− 1 54.6	2.332	3.181	11.3	22.7

173887 2001 UB_{73} 3 17.9 96°.29 6°.1/10.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 16.83	+20 26.6	2.425	3.253	11.0	20.1
2 21	12 11.36	+21 22.5	2.375	3.269	8.7	19.9
3 2	12 4.16	+22 13.6	2.351	3.286	6.8	19.8
3 12	11 55.87	+22 53.3	2.354	3.302	6.1	19.8
3 22	11 47.28	+23 17.0	2.385	3.318	7.1	19.9
4 1	11 39.21	+23 21.8	2.444	3.334	9.1	20.1
4 11	11 32.38	+23 7.2	2.527	3.350	11.3	20.2
4 21	11 27.25	+22 34.9	2.631	3.365	13.2	20.4

500434 2012 TX_{154} 3 17.9 105°.31 1°.1/16.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 13.89	+ 2 42.5	2.403	3.215	11.6	22.1
2 21	12 9.19	+ 3 12.1	2.331	3.228	8.7	22.0
3 2	12 2.84	+ 3 49.4	2.284	3.241	5.4	21.8
3 12	11 55.40	+ 4 30.2	2.265	3.254	2.0	21.6
3 22	11 47.58	+ 5 10.1	2.275	3.266	2.2	21.6
4 1	11 40.14	+ 5 44.5	2.315	3.278	5.6	21.9
4 11	11 33.78	+ 6 9.8	2.383	3.290	8.7	22.1
4 21	11 28.97	+ 6 23.7	2.475	3.302	11.5	22.3

505035 2011 QV_{78} 3 17.9 168°.72 0°.4/18.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 12.44	− 2 26.0	2.892	3.681	10.4	22.0
2 21	12 7.91	− 2 6.8	2.802	3.684	8.0	21.8
3 2	12 1.97	− 1 38.1	2.738	3.687	5.2	21.6
3 12	11 55.08	− 1 2.7	2.703	3.690	2.1	21.4
3 22	11 47.79	− 0 23.8	2.698	3.692	1.2	21.4
4 1	11 40.75	+ 0 14.7	2.723	3.694	4.3	21.6
4 11	11 34.56	+ 0 49.1	2.777	3.695	7.2	21.8
4 21	11 29.64	+ 1 16.4	2.857	3.696	9.8	22.0

502949 2015 ED_{59} 3 17.9 319°.66 7°.3/22.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 23.40	−14 35.6	1.855	2.595	17.1	20.5
2 21	12 17.47	−16 9.0	1.756	2.586	14.5	20.3
3 2	12 8.75	−17 26.7	1.678	2.578	11.5	20.1
3 12	11 57.85	−18 24.8	1.625	2.570	8.6	19.9
3 22	11 45.78	−19 0.8	1.600	2.562	7.3	19.8
4 1	11 33.82	−19 15.4	1.602	2.555	8.5	19.8
4 11	11 23.31	−19 13.3	1.630	2.548	11.3	20.0
4 21	11 15.20	−19 1.1	1.682	2.541	14.5	20.2

456808 2007 TS_{312} 3 17.9 130°.74 1°.9/16.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 18.13	+ 3 20.2	1.883	2.701	14.0	22.3
2 21	12 12.81	+ 4 7.7	1.815	2.715	10.5	22.1
3 2	12 5.31	+ 5 5.2	1.771	2.729	6.6	21.9
3 12	11 56.37	+ 6 6.5	1.754	2.743	2.6	21.7
3 22	11 46.92	+ 7 4.8	1.767	2.755	3.2	21.8
4 1	11 38.02	+ 7 53.5	1.808	2.767	7.2	22.0
4 11	11 30.57	+ 8 27.9	1.876	2.779	10.9	22.3
4 21	11 25.19	+ 8 45.9	1.966	2.789	14.2	22.5

508079 2015 DS_{52} 3 17.9 262°.94 2°.7/15.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 15.63	+ 7 33.8	2.167	2.992	12.2	21.4
2 21	12 10.85	+ 8 3.1	2.079	2.984	9.2	21.2
3 2	12 4.09	+ 8 37.7	2.016	2.975	5.9	21.0
3 12	11 55.94	+ 9 12.6	1.981	2.966	3.0	20.7
3 22	11 47.19	+ 9 42.4	1.974	2.957	3.8	20.8
4 1	11 38.75	+10 2.4	1.996	2.949	7.1	21.0
4 11	11 31.48	+10 9.2	2.044	2.940	10.5	21.2
4 21	11 25.99	+10 1.7	2.116	2.930	13.6	21.3

57818 2001 WB_{28} 3 17.9 271°.81 4°.7/13.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 15.63	+ 8 19.9	1.462	2.309	15.8	19.0
2 21	12 11.78	+ 9 30.9	1.384	2.300	12.0	18.7
3 2	12 5.13	+10 52.1	1.328	2.290	7.9	18.5
3 12	11 56.44	+12 13.9	1.297	2.280	4.8	18.3
3 22	11 46.82	+13 25.8	1.292	2.270	6.4	18.3
4 1	11 37.63	+14 18.3	1.313	2.260	10.6	18.5
4 11	11 30.16	+14 45.6	1.357	2.250	15.0	18.8
4 21	11 25.23	+14 46.9	1.420	2.240	18.8	19.0

501490 2014 CJ_{16} 3 17.9 64°.40 4°.7/22.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 15.53	−13 58.6	2.215	2.961	14.5	21.4
2 21	12 10.67	−14 28.6	2.139	2.978	11.9	21.2
3 2	12 3.90	−14 40.7	2.085	2.995	9.0	21.1
3 12	11 55.84	−14 35.0	2.056	3.013	6.2	20.9
3 22	11 47.28	−14 13.4	2.055	3.030	4.7	20.9
4 1	11 39.13	−13 39.8	2.082	3.048	5.8	21.0
4 11	11 32.18	−12 59.8	2.136	3.066	8.4	21.2
4 21	11 27.01	−12 19.1	2.216	3.083	11.1	21.4

409077 2003 SS_{295} 3 17.9 191°.27 3°.9/21.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 16.45	−12 7.3	1.947	2.710	15.7	21.7
2 21	12 11.77	−12 8.9	1.854	2.709	12.8	21.5
3 2	12 4.83	−11 49.8	1.783	2.707	9.3	21.2
3 12	11 56.26	−11 10.8	1.736	2.705	5.8	21.0
3 22	11 46.95	−10 15.1	1.717	2.702	3.9	20.9
4 1	11 37.96	− 9 8.6	1.726	2.699	6.1	21.0
4 11	11 30.28	− 7 59.2	1.763	2.695	9.7	21.2
4 21	11 24.63	− 6 54.2	1.824	2.691	13.2	21.4

494276 2016 RL_{3} 3 17.9 282°.68 1°.7/19.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 11.72	− 6 23.2	2.409	3.193	12.4	20.9
2 21	12 7.80	− 6 15.0	2.305	3.180	9.8	20.7
3 2	12 2.13	− 5 53.1	2.225	3.167	6.7	20.4
3 12	11 55.21	− 5 19.4	2.172	3.153	3.4	20.2
3 22	11 47.69	− 4 37.1	2.147	3.139	1.9	20.1
4 1	11 40.36	− 3 51.0	2.151	3.126	4.9	20.3
4 11	11 33.96	− 3 6.1	2.184	3.112	8.3	20.4
4 21	11 29.10	− 2 27.0	2.241	3.099	11.4	20.6

313670 2003 SG_{208} 3 17.9 130°.42 2°.4/20.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 19.13	− 7 28.5	1.932	2.711	15.2	21.5
2 21	12 13.59	− 7 26.8	1.855	2.725	12.0	21.3
3 2	12 5.85	− 7 8.0	1.801	2.739	8.2	21.1
3 12	11 56.60	− 6 34.4	1.773	2.753	4.3	20.9
3 22	11 46.78	− 5 50.2	1.774	2.766	2.5	20.8
4 1	11 37.45	− 5 1.2	1.804	2.778	5.7	21.1
4 11	11 29.56	− 4 13.8	1.861	2.789	9.5	21.3
4 21	11 23.73	− 3 33.5	1.943	2.800	12.9	21.5

223278 2003 GR_{53} 3 17.9 137°.56 0°.9/18.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 12.05	− 5 48.7	1.953	2.751	14.4	20.6
2 21	12 8.28	− 5 0.3	1.870	2.755	11.1	20.4
3 2	12 2.51	− 3 53.5	1.810	2.759	7.3	20.1
3 12	11 55.35	− 2 32.4	1.776	2.763	3.2	19.9
3 22	11 47.63	− 1 3.9	1.772	2.766	1.6	19.8
4 1	11 40.27	+ 0 24.3	1.796	2.769	5.8	20.0
4 11	11 34.16	+ 1 44.2	1.847	2.773	9.7	20.3
4 21	11 29.89	+ 2 50.4	1.922	2.776	13.2	20.5

46283 2001 KE_{29} 3 17.9 247°.17 4°.0/22.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 12.31	−13 39.2	2.254	3.006	14.1	19.2
2 21	12 8.39	−13 39.0	2.153	2.999	11.6	19.0
3 2	12 2.57	−13 19.7	2.074	2.991	8.6	18.8
3 12	11 55.40	−12 41.6	2.020	2.984	5.7	18.6
3 22	11 47.59	−11 47.7	1.994	2.976	4.0	18.4
4 1	11 40.00	−10 42.7	1.997	2.968	5.5	18.5
4 11	11 33.46	− 9 33.3	2.027	2.960	8.5	18.7
4 21	11 28.61	− 8 26.2	2.082	2.952	11.6	18.9

153938 2001 YJ_{105} 3 17.9 30°.13 0°.2/17.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 13.18	− 1 16.4	1.661	2.483	15.5	20.1
2 21	12 9.44	− 0 46.8	1.586	2.486	11.8	19.9
3 2	12 3.38	− 0 1.8	1.533	2.491	7.5	19.7
3 12	11 55.71	+ 0 53.7	1.506	2.495	2.8	19.4
3 22	11 47.40	+ 1 52.8	1.506	2.500	2.1	19.3
4 1	11 39.55	+ 2 48.0	1.534	2.506	6.8	19.6
4 11	11 33.18	+ 3 32.7	1.586	2.511	11.1	19.9
4 21	11 28.95	+ 4 2.6	1.661	2.517	14.8	20.1

133659 2003 UH_{174} 3 17.9 125°.63 1°.6/19.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 13.17	− 6 46.3	2.273	3.056	13.1	20.6
2 21	12 8.83	− 6 26.3	2.191	3.065	10.2	20.4
3 2	12 2.72	− 5 51.3	2.132	3.073	6.9	20.2
3 12	11 55.40	− 5 4.0	2.100	3.082	3.4	20.0
3 22	11 47.62	− 4 8.7	2.097	3.090	1.8	19.9
4 1	11 40.19	− 3 10.8	2.123	3.097	4.9	20.1
4 11	11 33.85	− 2 16.1	2.177	3.105	8.4	20.3
4 21	11 29.14	− 1 29.2	2.256	3.112	11.4	20.5

122652 2000 RH_{90} 3 17.9 88°.05 2°.4/19.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 19.06	− 5 33.9	1.863	2.652	15.3	19.8
2 21	12 13.72	− 5 58.6	1.780	2.657	12.1	19.6
3 2	12 6.04	− 6 9.1	1.720	2.662	8.3	19.4
3 12	11 56.72	− 6 6.6	1.686	2.667	4.3	19.1
3 22	11 46.70	− 5 53.9	1.680	2.672	2.6	19.0
4 1	11 37.11	− 5 35.4	1.703	2.677	6.0	19.3
4 11	11 28.95	− 5 16.5	1.752	2.682	9.9	19.5
4 21	11 22.94	− 5 1.7	1.825	2.687	13.4	19.7

3620 Platonov 3 17.9 134°.61 3°.9/22.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 13.20	−14 5.1	2.480	3.221	13.2	17.7
2 21	12 8.79	−14 9.7	2.391	3.228	10.8	17.5
3 2	12 2.68	−13 56.8	2.324	3.236	8.1	17.3
3 12	11 55.40	−13 27.4	2.283	3.243	5.4	17.2
3 22	11 47.63	−12 43.7	2.270	3.249	3.9	17.1
4 1	11 40.16	−11 50.2	2.287	3.256	5.1	17.2
4 11	11 33.71	−10 52.4	2.331	3.262	7.7	17.4
4 21	11 28.80	− 9 56.0	2.402	3.268	10.4	17.5

212036 2005 CZ_{50} 3 17.9 60°.16 1°.4/16.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 15.44	− 0 37.6	1.318	2.152	18.0	20.1
2 21	12 11.35	+ 0 31.2	1.271	2.179	13.5	19.9
3 2	12 4.59	+ 1 57.8	1.245	2.207	8.3	19.7
3 12	11 56.12	+ 3 33.1	1.244	2.234	3.0	19.4
3 22	11 47.21	+ 5 6.0	1.270	2.262	3.2	19.5
4 1	11 39.15	+ 6 26.1	1.322	2.289	8.2	19.9
4 11	11 33.03	+ 7 26.0	1.398	2.317	12.7	20.2
4 21	11 29.43	+ 8 2.9	1.495	2.344	16.5	20.5

425722 2011 BX_{37} 3 17.9 264°.80 1°.8/15.9 17

2 11	12 11.53	+ 1 23.9	2.087	2.907	12.8	21.0
2 21	12 7.94	+ 2 36.7	1.987	2.890	9.7	20.7
3 2	12 2.37	+ 4 4.0	1.912	2.872	6.0	20.5
3 12	11 55.35	+ 5 39.9	1.864	2.853	2.4	20.2
3 22	11 47.63	+ 7 16.7	1.846	2.835	3.2	20.2
4 1	11 40.11	+ 8 46.2	1.857	2.816	7.1	20.4
4 11	11 33.65	+10 1.4	1.895	2.796	10.9	20.6
4 21	11 28.94	+10 57.9	1.956	2.777	14.3	20.8

410439 2008 BL_{51} 3 17.9 46°.40 4°.0/14.9 18

2 11	12 18.18	+ 8 56.7	1.490	2.332	15.9	20.9
2 21	12 13.42	+ 9 33.7	1.426	2.339	12.0	20.6
3 2	12 5.97	+10 16.3	1.385	2.346	7.7	20.4
3 12	11 56.70	+10 56.7	1.368	2.353	4.3	20.2
3 22	11 46.78	+11 27.1	1.379	2.360	5.4	20.3
4 1	11 37.53	+11 41.5	1.415	2.368	9.4	20.5
4 11	11 30.09	+11 36.8	1.475	2.376	13.5	20.8
4 21	11 25.18	+11 12.9	1.556	2.384	17.0	21.0

204344 2004 RF_{324} 3 17.9 216°.06 0°.4/17.6 18

2 11	12 20.88	+ 1 11.4	1.607	2.424	16.1	19.8
2 21	12 15.51	+ 1 14.9	1.523	2.421	12.4	19.6
3 2	12 7.41	+ 1 30.1	1.461	2.417	7.9	19.3
3 12	11 57.30	+ 1 52.9	1.424	2.413	3.0	19.0
3 22	11 46.31	+ 2 18.0	1.415	2.409	2.3	18.9
4 1	11 35.76	+ 2 39.3	1.434	2.404	7.4	19.2
4 11	11 26.88	+ 2 51.5	1.479	2.399	12.1	19.5
4 21	11 20.51	+ 2 51.3	1.545	2.394	16.1	19.7

245406 2005 HF_{5} 3 17.9 308°.74 6°.8/10.6 17

2 11	12 13.13	+17 13.3	1.906	2.752	12.8	20.0
2 21	12 9.40	+18 29.3	1.821	2.730	10.1	19.7
3 2	12 3.41	+19 45.9	1.761	2.708	7.7	19.5
3 12	11 55.77	+20 54.2	1.726	2.686	6.8	19.4
3 22	11 47.36	+21 45.8	1.718	2.665	8.3	19.5
4 1	11 39.23	+22 14.4	1.736	2.644	11.2	19.6
4 11	11 32.41	+22 17.2	1.776	2.623	14.3	19.7
4 21	11 27.61	+21 54.7	1.836	2.602	17.1	19.9

499769 2011 CG_{13} 3 17.9 231°.30 0°.1/18.0 17

2 11	12 17.45	− 0 37.6	2.143	2.944	13.2	21.9
2 21	12 12.33	− 0 28.4	2.045	2.934	10.1	21.6
3 2	12 5.11	− 0 8.4	1.972	2.924	6.5	21.4
3 12	11 56.38	+ 0 19.5	1.925	2.913	2.5	21.1
3 22	11 46.95	+ 0 51.0	1.908	2.902	1.7	21.0
4 1	11 37.77	+ 1 21.2	1.921	2.891	5.8	21.3
4 11	11 29.76	+ 1 45.4	1.961	2.879	9.7	21.5
4 21	11 23.59	+ 2 0.1	2.025	2.866	13.1	21.7

430862 2005 NZ_{75} 3 17.9 154°.83 3°.6/13.1 17

2 11	12 11.51	+10 36.2	2.554	3.385	10.4	21.5
2 21	12 7.41	+11 42.4	2.482	3.388	7.8	21.4
3 2	12 1.75	+12 52.0	2.435	3.391	5.2	21.2
3 12	11 55.04	+13 59.1	2.418	3.395	3.6	21.1
3 22	11 47.92	+14 58.1	2.429	3.398	4.7	21.2
4 1	11 41.12	+15 44.3	2.470	3.400	7.2	21.3
4 11	11 35.28	+16 14.6	2.537	3.403	9.8	21.5
4 21	11 30.88	+16 28.2	2.626	3.405	12.2	21.7

202472 2006 AL_{42} 3 17.9 92°.37 1°.6/19.2 18

2 11	12 17.23	− 5 27.4	1.460	2.270	17.8	21.4
2 21	12 12.76	− 5 9.3	1.392	2.282	13.9	21.2
3 2	12 5.60	− 4 30.5	1.345	2.295	9.2	21.0
3 12	11 56.58	− 3 35.2	1.322	2.307	4.2	20.7
3 22	11 46.88	− 2 30.0	1.326	2.320	2.2	20.6
4 1	11 37.81	− 1 24.0	1.356	2.332	6.9	20.9
4 11	11 30.53	− 0 25.6	1.412	2.344	11.6	21.2
4 21	11 25.77	+ 0 19.0	1.489	2.356	15.6	21.5

316216 2010 NE_{17} 3 17.9 280°.88 1°.8/19.4 17

2 11	12 14.88	− 5 29.3	1.614	2.420	16.5	21.4
2 21	12 11.06	− 5 21.4	1.520	2.409	13.0	21.2
3 2	12 4.65	− 4 54.4	1.448	2.397	8.8	20.9
3 12	11 56.30	− 4 10.8	1.401	2.385	4.2	20.6
3 22	11 47.00	− 3 15.6	1.379	2.373	2.3	20.4
4 1	11 37.98	− 2 16.3	1.385	2.361	6.8	20.7
4 11	11 30.44	− 1 21.1	1.416	2.350	11.5	20.9
4 21	11 25.22	− 0 36.8	1.470	2.338	15.7	21.1

408230 2013 EA_{97} 3 17.9 354°.98 1°.6/16.7 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 10.72	+ 0 37.2	1.157	2.010	18.7	21.1
2 21	12 8.51	+ 1 24.0	1.088	2.006	14.2	20.8
3 2	12 3.26	+ 2 31.1	1.038	2.003	9.0	20.5
3 12	11 55.80	+ 3 50.7	1.010	2.001	3.3	20.2
3 22	11 47.38	+ 5 11.7	1.007	1.999	3.7	20.2
4 1	11 39.53	+ 6 22.2	1.028	1.999	9.4	20.5
4 11	11 33.63	+ 7 12.8	1.070	2.000	14.7	20.8
4 21	11 30.54	+ 7 38.7	1.132	2.001	19.2	21.1

203575 2002 CN_{203} 3 17.9 316°.17 0°.7/17.5 17

2 11	12 14.42	+ 0 34.1	1.314	2.153	17.7	20.5
2 21	12 11.23	+ 0 49.6	1.227	2.137	13.7	20.2
3 2	12 5.03	+ 1 21.5	1.160	2.122	8.8	19.9
3 12	11 56.52	+ 2 4.9	1.117	2.107	3.3	19.5
3 22	11 46.84	+ 2 52.4	1.099	2.092	2.8	19.4
4 1	11 37.48	+ 3 35.2	1.105	2.079	8.6	19.7
4 11	11 29.91	+ 4 5.2	1.135	2.065	14.0	19.9
4 21	11 25.11	+ 4 17.5	1.184	2.053	18.6	20.2

464741 2003 OP_{18} 3 17.9 257°.58 1°.9/19.8 17

2 11	12 16.29	− 6 14.4	2.399	3.175	12.7	22.0
2 21	12 11.38	− 6 13.2	2.282	3.152	10.1	21.7
3 2	12 4.52	− 5 58.7	2.189	3.128	6.9	21.5
3 12	11 56.19	− 5 32.2	2.123	3.104	3.5	21.2
3 22	11 47.08	− 4 56.5	2.087	3.079	2.1	21.1
4 1	11 38.06	− 4 16.1	2.080	3.054	5.2	21.2
4 11	11 29.99	− 3 36.0	2.102	3.027	8.8	21.4
4 21	11 23.54	− 3 0.9	2.150	3.001	12.1	21.6

245407 2005 HG_{9} 3 17.9 291°.95 3°.8/13.5 17

2 11	12 11.47	+ 9 17.2	2.122	2.959	12.0	20.7
2 21	12 7.77	+10 24.9	2.042	2.952	9.0	20.5
3 2	12 2.17	+11 38.5	1.987	2.946	5.9	20.3
3 12	11 55.25	+12 51.2	1.959	2.939	3.9	20.2
3 22	11 47.78	+13 56.0	1.959	2.933	5.1	20.2
4 1	11 40.61	+14 46.7	1.988	2.926	8.2	20.4
4 11	11 34.57	+15 19.2	2.041	2.920	11.3	20.6
4 21	11 30.25	+15 32.2	2.117	2.913	14.2	20.8

403238 2008 VD_{16} 3 17.9 3°.34 5°.0/14.6 18

2 11	12 17.05	+ 9 22.6	1.196	2.053	17.9	20.8
2 21	12 13.24	+10 7.4	1.132	2.052	13.6	20.5
3 2	12 6.21	+10 59.4	1.088	2.052	8.9	20.2
3 12	11 56.89	+11 48.7	1.068	2.052	5.3	20.0
3 22	11 46.67	+12 25.2	1.072	2.054	6.7	20.1
4 1	11 37.17	+12 40.9	1.100	2.055	11.2	20.4
4 11	11 29.82	+12 32.0	1.150	2.058	15.9	20.6
4 21	11 25.44	+11 59.2	1.218	2.061	19.9	20.9

520893 2014 WA_{526} 3 17.9 41°.97 4°.9/12.7 18

2 11	12 10.82	+ 7 57.4	1.571	2.421	14.7	20.9
2 21	12 7.73	+ 9 45.9	1.512	2.430	11.0	20.7
3 2	12 2.32	+11 43.9	1.477	2.439	7.2	20.5
3 12	11 55.32	+13 40.2	1.468	2.448	4.9	20.4
3 22	11 47.76	+15 23.5	1.486	2.458	6.7	20.5
4 1	11 40.72	+16 44.6	1.531	2.468	10.3	20.7
4 11	11 35.22	+17 38.3	1.599	2.478	13.9	21.0
4 21	11 31.87	+18 3.9	1.687	2.489	17.0	21.2

228338 2000 SZ_{98} 3 17.9 186°.52 1°.8/19.8 17

2 11	12 14.58	− 6 54.0	2.237	3.018	13.3	21.2
2 21	12 10.02	− 6 38.4	2.145	3.018	10.5	21.0
3 2	12 3.56	− 6 7.4	2.076	3.017	7.2	20.8
3 12	11 55.78	− 5 23.4	2.034	3.016	3.6	20.6
3 22	11 47.43	− 4 30.4	2.022	3.014	2.0	20.5
4 1	11 39.36	− 3 33.8	2.038	3.012	5.1	20.7
4 11	11 32.41	− 2 39.6	2.083	3.010	8.7	20.9
4 21	11 27.15	− 1 52.8	2.152	3.007	11.9	21.1

246645 2008 YD_{19} 3 17.9 71°.29 1°.6/16.2 18

2 11	12 12.69	+ 3 14.4	2.104	2.926	12.6	20.9
2 21	12 8.57	+ 3 56.2	2.031	2.934	9.5	20.7
3 2	12 2.60	+ 4 47.0	1.983	2.943	5.9	20.5
3 12	11 55.39	+ 5 41.6	1.963	2.951	2.3	20.3
3 22	11 47.73	+ 6 34.3	1.971	2.960	2.8	20.3
4 1	11 40.46	+ 7 19.3	2.007	2.968	6.4	20.6
4 11	11 34.38	+ 7 52.2	2.070	2.977	9.9	20.8
4 21	11 30.02	+ 8 10.7	2.157	2.985	12.9	21.0

209655 2005 CJ_{20} 3 17.9 30°.29 2°.6/15.9 18

2 11	12 13.35	+ 3 9.3	1.197	2.050	18.2	19.7
2 21	12 10.22	+ 3 59.0	1.141	2.060	13.7	19.4
3 2	12 4.15	+ 5 3.7	1.105	2.070	8.5	19.2
3 12	11 56.07	+ 6 14.3	1.093	2.082	3.5	18.9
3 22	11 47.28	+ 7 20.4	1.105	2.095	4.4	19.0
4 1	11 39.26	+ 8 12.2	1.141	2.108	9.4	19.3
4 11	11 33.25	+ 8 42.9	1.201	2.122	14.2	19.6
4 21	11 29.96	+ 8 50.7	1.279	2.136	18.2	19.9

264231 2010 SR_{19} 3 17.9 166°.44 6°.5/10.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 18.20	+19 42.5	2.275	3.103	11.6	20.8
2 21	12 12.67	+21 0.3	2.214	3.109	9.2	20.6
3 2	12 5.17	+22 14.8	2.178	3.113	7.2	20.5
3 12	11 56.36	+23 18.0	2.170	3.118	6.6	20.4
3 22	11 47.08	+24 3.6	2.190	3.121	7.8	20.5
4 1	11 38.26	+24 27.5	2.237	3.124	10.0	20.7
4 11	11 30.74	+24 28.6	2.309	3.126	12.4	20.8
4 21	11 25.07	+24 8.3	2.401	3.128	14.6	21.0

23407 1977 RG_{19} 3 17.9 77°.44 1°.2/18.8 18

2 11	12 18.13	− 3 57.7	1.277	2.100	19.2	19.1
2 21	12 13.82	− 3 47.1	1.211	2.109	14.9	18.9
3 2	12 6.46	− 3 15.7	1.165	2.119	9.8	18.6
3 12	11 56.97	− 2 27.6	1.142	2.129	4.2	18.3
3 22	11 46.66	− 1 30.2	1.144	2.138	2.3	18.2
4 1	11 37.05	− 0 32.8	1.172	2.148	7.7	18.6
4 11	11 29.47	+ 0 15.5	1.223	2.158	12.8	18.9
4 21	11 24.72	+ 0 48.9	1.296	2.167	17.2	19.2

279451 2010 RC_{76} 3 17.9 228°.48 2°.0/16.0 16

2 11	12 16.94	+ 3 36.2	1.980	2.798	13.4	20.9
2 21	12 12.12	+ 4 21.6	1.886	2.787	10.2	20.7
3 2	12 5.08	+ 5 17.9	1.816	2.775	6.4	20.4
3 12	11 56.42	+ 6 19.3	1.774	2.762	2.7	20.1
3 22	11 47.00	+ 7 19.2	1.761	2.749	3.3	20.2
4 1	11 37.85	+ 8 10.9	1.776	2.735	7.3	20.4
4 11	11 29.96	+ 8 48.8	1.819	2.720	11.3	20.6
4 21	11 24.04	+ 9 9.9	1.883	2.705	14.7	20.8

459029 2011 YU_{44} 3 17.9 54°.45 1°.1/17.0 18

2 11	12 14.70	+ 0 2.9	1.389	2.223	17.3	21.3
2 21	12 10.85	+ 0 48.8	1.331	2.239	13.0	21.0
3 2	12 4.36	+ 1 51.1	1.294	2.255	8.1	20.8
3 12	11 56.11	+ 3 2.7	1.282	2.271	2.9	20.5
3 22	11 47.28	+ 4 14.3	1.296	2.288	2.9	20.6
4 1	11 39.16	+ 5 16.8	1.336	2.305	7.9	20.9
4 11	11 32.84	+ 6 3.1	1.400	2.322	12.5	21.2
4 21	11 28.98	+ 6 29.9	1.485	2.340	16.3	21.5

4297 Eichhorn 3 17.9 250°.25 3°.0/15.1 18

2 11	12 15.86	+ 5 0.9	1.776	2.605	14.3	17.2
2 21	12 11.59	+ 6 4.0	1.682	2.589	10.8	17.0
3 2	12 4.90	+ 7 19.4	1.612	2.573	6.9	16.7
3 12	11 56.40	+ 8 39.9	1.569	2.556	3.3	16.4
3 22	11 47.02	+ 9 56.9	1.554	2.538	4.5	16.5
4 1	11 37.88	+11 1.9	1.567	2.520	8.7	16.7
4 11	11 30.11	+11 48.4	1.605	2.502	12.8	16.9
4 21	11 24.50	+12 13.4	1.665	2.483	16.5	17.1

294405 2007 VK_{192} 3 17.9 307°.10 3°.7/22.0 18

2 11	12 12.31	−12 13.6	2.333	3.090	13.5	20.3
2 21	12 8.30	−12 22.6	2.238	3.088	11.0	20.1
3 2	12 2.49	−12 14.7	2.164	3.085	8.1	19.9
3 12	11 55.40	−11 50.6	2.117	3.083	5.3	19.7
3 22	11 47.74	−11 12.6	2.097	3.080	3.7	19.6
4 1	11 40.32	−10 25.1	2.106	3.078	5.3	19.7
4 11	11 33.93	− 9 33.7	2.143	3.076	8.2	19.9
4 21	11 29.14	− 8 44.0	2.204	3.073	11.1	20.0

253184 2002 XT_{18} 3 17.9 117°.19 0°.8/17.2 18

2 11	12 19.24	+ 1 31.2	2.062	2.868	13.4	21.1
2 21	12 13.45	+ 1 55.6	1.994	2.888	10.1	21.0
3 2	12 5.65	+ 2 29.7	1.951	2.907	6.3	20.8
3 12	11 56.54	+ 3 8.8	1.936	2.925	2.3	20.5
3 22	11 47.01	+ 3 47.9	1.950	2.943	2.2	20.5
4 1	11 38.01	+ 4 21.6	1.994	2.960	6.1	20.8
4 11	11 30.38	+ 4 46.0	2.066	2.976	9.7	21.1
4 21	11 24.68	+ 4 58.5	2.161	2.992	12.8	21.3

435394 2007 YO_{28} 3 17.9 190°.12 4°.9/11.9 17

2 11	12 13.92	+15 34.8	2.435	3.267	10.8	21.7
2 21	12 9.35	+16 34.5	2.364	3.267	8.3	21.5
3 2	12 3.04	+17 33.9	2.318	3.266	6.0	21.4
3 12	11 55.57	+18 26.8	2.300	3.265	4.9	21.3
3 22	11 47.65	+19 7.6	2.311	3.264	6.1	21.4
4 1	11 40.09	+19 32.0	2.350	3.263	8.4	21.5
4 11	11 33.60	+19 38.2	2.414	3.261	10.9	21.7
4 21	11 28.71	+19 26.4	2.499	3.260	13.2	21.8

504499 2008 KQ_{12} 3 17.9 264°.27 6°.5/10.9 17

2 11	12 18.41	+17 43.1	2.116	2.947	12.2	22.3
2 21	12 13.28	+18 53.2	2.022	2.922	9.7	22.1
3 2	12 5.86	+20 3.5	1.954	2.896	7.4	21.9
3 12	11 56.74	+21 5.6	1.912	2.870	6.5	21.8
3 22	11 46.80	+21 51.9	1.899	2.843	7.9	21.8
4 1	11 37.08	+22 16.4	1.913	2.816	10.6	21.9
4 11	11 28.60	+22 16.7	1.951	2.788	13.6	22.1
4 21	11 22.11	+21 53.4	2.009	2.759	16.3	22.2

135098 2001 QE_{78} 3 17.9 118°.98 0°.1/18.0 18 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 13.11	− 1 29.7	2.795	3.588	10.6	20.4
2 21	12 8.41	− 1 2.9	2.720	3.605	8.1	20.2
3 2	12 2.29	− 0 26.9	2.670	3.621	5.1	20.1
3 12	11 55.25	+ 0 15.1	2.650	3.637	2.0	19.9
3 22	11 47.90	+ 0 59.2	2.659	3.653	1.3	19.8
4 1	11 40.86	+ 1 41.6	2.700	3.669	4.4	20.1
4 11	11 34.74	+ 2 18.2	2.769	3.684	7.3	20.3
4 21	11 29.96	+ 2 46.5	2.863	3.698	9.9	20.5

426572 2013 SA_{15} 3 17.9 234°.81 0°.1/17.8 17

2 11	12 16.20	− 0 43.0	2.155	2.958	13.0	22.3
2 21	12 11.40	− 0 21.1	2.055	2.946	10.0	22.1
3 2	12 4.56	+ 0 12.7	1.980	2.933	6.4	21.8
3 12	11 56.23	+ 0 54.8	1.932	2.920	2.4	21.5
3 22	11 47.19	+ 1 40.6	1.913	2.907	1.8	21.4
4 1	11 38.37	+ 2 24.4	1.923	2.893	5.9	21.7
4 11	11 30.68	+ 3 1.0	1.962	2.878	9.8	21.9
4 21	11 24.79	+ 3 26.5	2.024	2.863	13.2	22.1

128673 2004 RM_{61} 3 17.9 150°.10 0°.5/18.4 17

2 11	12 13.27	− 3 39.2	2.073	2.873	13.6	20.6
2 21	12 9.12	− 3 3.1	1.990	2.878	10.4	20.4
3 2	12 3.03	− 2 11.9	1.930	2.882	6.8	20.1
3 12	11 55.60	− 1 9.8	1.898	2.885	2.7	19.9
3 22	11 47.64	− 0 2.3	1.894	2.889	1.6	19.8
4 1	11 40.03	+ 1 4.0	1.920	2.892	5.6	20.1
4 11	11 33.61	+ 2 2.7	1.972	2.895	9.4	20.3
4 21	11 28.96	+ 2 49.4	2.049	2.897	12.7	20.5

290986 2005 XV_{49} 3 17.9 58°.91 5°.2/21.7 18

2 11	12 18.09	−11 16.3	1.336	2.128	20.1	20.2
2 21	12 13.80	−11 49.9	1.266	2.138	16.3	19.9
3 2	12 6.49	−11 58.4	1.216	2.148	11.9	19.7
3 12	11 57.02	−11 41.6	1.187	2.158	7.5	19.5
3 22	11 46.67	−11 2.9	1.183	2.169	5.2	19.4
4 1	11 36.94	−10 9.6	1.204	2.179	7.8	19.5
4 11	11 29.19	− 9 11.7	1.250	2.190	12.0	19.8
4 21	11 24.24	− 8 18.4	1.316	2.201	16.1	20.1

246418 2007 VR_{25} 3 17.9 62°.62 1°.1/19.1 17

2 11	12 12.94	− 4 28.4	2.082	2.880	13.6	20.7
2 21	12 8.82	− 4 12.8	2.005	2.889	10.5	20.5
3 2	12 2.80	− 3 42.9	1.951	2.899	7.0	20.3
3 12	11 55.51	− 3 2.1	1.923	2.908	3.1	20.1
3 22	11 47.72	− 2 14.8	1.924	2.918	1.6	20.0
4 1	11 40.33	− 1 26.6	1.953	2.927	5.3	20.2
4 11	11 34.12	− 0 43.1	2.010	2.937	8.9	20.5
4 21	11 29.66	− 0 8.6	2.090	2.947	12.1	20.7

341661 2007 VK_{63} 3 17.9 99°.70 0°.0/17.9 17

2 11	12 13.01	− 1 22.6	2.393	3.194	12.0	21.4
2 21	12 8.59	− 0 54.5	2.318	3.208	9.1	21.3
3 2	12 2.52	− 0 15.8	2.269	3.222	5.8	21.1
3 12	11 55.38	+ 0 29.9	2.247	3.235	2.2	20.9
3 22	11 47.85	+ 1 18.0	2.254	3.248	1.5	20.8
4 1	11 40.68	+ 2 3.7	2.292	3.261	5.1	21.1
4 11	11 34.56	+ 2 42.6	2.357	3.274	8.3	21.3
4 21	11 29.98	+ 3 11.4	2.447	3.287	11.1	21.5

503241 2015 HK_{173} 3 17.9 292°.79 4°.3/22.9 17

2 11	12 11.21	−14 42.7	2.249	2.998	14.2	20.8
2 21	12 7.60	−14 44.9	2.150	2.991	11.8	20.6
3 2	12 2.11	−14 27.2	2.072	2.985	8.9	20.4
3 12	11 55.30	−13 50.3	2.019	2.978	6.0	20.2
3 22	11 47.87	−12 56.5	1.993	2.972	4.4	20.0
4 1	11 40.66	−11 50.7	1.996	2.966	5.6	20.1
4 11	11 34.51	−10 39.7	2.025	2.960	8.5	20.3
4 21	11 30.01	− 9 30.2	2.080	2.954	11.5	20.4

378773 2008 SJ_{1} 3 17.9 169°.70 1°.8/19.9 17

2 11	12 15.98	− 6 16.6	2.453	3.228	12.5	21.4
2 21	12 10.90	− 6 13.7	2.362	3.232	9.8	21.3
3 2	12 4.05	− 5 57.9	2.296	3.235	6.7	21.1
3 12	11 55.99	− 5 31.1	2.257	3.237	3.4	20.8
3 22	11 47.42	− 4 56.5	2.247	3.240	1.9	20.7
4 1	11 39.13	− 4 18.3	2.268	3.241	4.8	20.9
4 11	11 31.88	− 3 41.3	2.317	3.242	8.1	21.1
4 21	11 26.23	− 3 9.6	2.392	3.243	11.0	21.3

363345 2002 QE_{56} 3 17.9 180°.69 0°.6/17.3 14 C

2 11	12 17.06	+ 0 15.2	2.212	3.015	12.8	23.1
2 21	12 11.88	+ 0 48.1	2.125	3.016	9.7	22.9
3 2	12 4.75	+ 1 32.0	2.063	3.017	6.1	22.6
3 12	11 56.27	+ 2 22.8	2.028	3.017	2.2	22.4
3 22	11 47.23	+ 3 15.2	2.024	3.017	2.0	22.4
4 1	11 38.52	+ 4 3.6	2.049	3.015	5.9	22.6
4 11	11 30.98	+ 4 42.9	2.103	3.013	9.5	22.8
4 21	11 25.21	+ 5 10.1	2.180	3.011	12.7	23.0

280154 2002 PR_{164} 3 17.9 169°.99 0°.5/17.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 19.10	− 0 56.4	1.652	2.465	15.9	21.8
2 21	12 14.03	− 0 19.8	1.573	2.469	12.2	21.6
3 2	12 6.40	+ 0 32.7	1.516	2.472	7.8	21.3
3 12	11 56.95	+ 1 35.7	1.486	2.475	2.9	21.0
3 22	11 46.76	+ 2 41.9	1.483	2.477	2.3	21.0
4 1	11 37.05	+ 3 43.3	1.509	2.478	7.2	21.3
4 11	11 28.95	+ 4 32.6	1.561	2.479	11.7	21.6
4 21	11 23.21	+ 5 5.6	1.635	2.478	15.6	21.8

505982 2015 GX_{27} 3 17.9 288°.06 2°.0/15.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 15.10	+ 5 48.3	2.181	3.003	12.2	21.3
2 21	12 10.45	+ 6 11.0	2.095	2.998	9.2	21.1
3 2	12 3.87	+ 6 40.0	2.033	2.992	5.8	20.9
3 12	11 55.94	+ 7 10.6	1.999	2.987	2.6	20.7
3 22	11 47.45	+ 7 38.0	1.994	2.981	3.1	20.7
4 1	11 39.28	+ 7 57.6	2.017	2.976	6.6	20.9
4 11	11 32.25	+ 8 6.0	2.067	2.970	10.1	21.1
4 21	11 26.98	+ 8 1.5	2.141	2.965	13.1	21.3

162730 2000 VO_{17} 3 17.9 154°.68 3°.3/14.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 18.17	+ 7 12.6	1.865	2.692	13.8	20.5
2 21	12 12.98	+ 8 10.4	1.794	2.699	10.4	20.3
3 2	12 5.54	+ 9 15.5	1.747	2.706	6.6	20.1
3 12	11 56.58	+10 20.7	1.728	2.712	3.6	19.9
3 22	11 47.05	+11 18.6	1.737	2.718	4.7	20.0
4 1	11 38.01	+12 2.6	1.775	2.723	8.2	20.2
4 11	11 30.43	+12 28.6	1.838	2.727	11.9	20.4
4 21	11 24.94	+12 35.6	1.923	2.731	15.0	20.6

154032 2002 CA_{54} 3 17.9 18°.60 0°.3/18.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 11.64	− 2 45.7	1.572	2.395	16.1	19.7
2 21	12 8.43	− 2 13.4	1.498	2.399	12.4	19.4
3 2	12 2.85	− 1 23.4	1.446	2.403	8.0	19.2
3 12	11 55.60	− 0 20.4	1.419	2.408	3.1	18.9
3 22	11 47.70	+ 0 48.0	1.419	2.413	1.9	18.8
4 1	11 40.27	+ 1 53.7	1.445	2.419	6.8	19.1
4 11	11 34.34	+ 2 48.8	1.496	2.425	11.3	19.4
4 21	11 30.61	+ 3 28.3	1.569	2.432	15.1	19.6

178903 2001 OP_{90} 3 17.9 180°.94 1°.6/16.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 14.82	+ 2 15.4	2.162	2.976	12.6	20.8
2 21	12 10.23	+ 3 9.4	2.079	2.978	9.5	20.6
3 2	12 3.72	+ 4 14.1	2.020	2.978	5.9	20.4
3 12	11 55.89	+ 5 24.2	1.990	2.978	2.3	20.1
3 22	11 47.51	+ 6 33.2	1.989	2.978	2.8	20.2
4 1	11 39.46	+ 7 34.8	2.017	2.977	6.5	20.4
4 11	11 32.57	+ 8 23.7	2.073	2.975	10.1	20.6
4 21	11 27.43	+ 8 56.9	2.152	2.973	13.2	20.8

193728 2001 FJ_{149} 3 17.9 60°.47 0°.8/18.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 10.49	− 6 39.1	1.846	2.648	15.0	19.9
2 21	12 7.17	− 5 35.7	1.774	2.661	11.6	19.7
3 2	12 1.84	− 4 11.9	1.724	2.674	7.6	19.5
3 12	11 55.17	− 2 33.2	1.701	2.687	3.2	19.2
3 22	11 48.01	− 0 47.5	1.706	2.701	1.6	19.1
4 1	11 41.30	+ 0 56.1	1.740	2.714	5.9	19.4
4 11	11 35.89	+ 2 29.0	1.801	2.728	9.9	19.7
4 21	11 32.33	+ 3 45.5	1.886	2.742	13.3	19.9

240746 2005 JH_{114} 3 17.9 224°.39 1°.2/19.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 11.46	− 5 53.0	2.403	3.190	12.3	21.5
2 21	12 7.58	− 5 24.8	2.308	3.185	9.6	21.3
3 2	12 2.00	− 4 42.1	2.236	3.181	6.4	21.1
3 12	11 55.23	− 3 47.8	2.192	3.176	3.0	20.8
3 22	11 47.95	− 2 46.0	2.177	3.171	1.5	20.7
4 1	11 40.91	− 1 42.4	2.191	3.165	4.9	20.9
4 11	11 34.84	− 0 42.6	2.234	3.160	8.3	21.1
4 21	11 30.28	+ 0 8.8	2.302	3.154	11.3	21.3

87920 2000 SM_{317} 3 17.9 263°.62 6°.3/25.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 12.70	−20 52.6	2.453	3.154	14.3	19.8
2 21	12 8.67	−21 21.1	2.350	3.148	12.3	19.6
3 2	12 2.79	−21 29.6	2.268	3.143	10.0	19.4
3 12	11 55.57	−21 16.7	2.210	3.137	7.8	19.3
3 22	11 47.71	−20 43.1	2.178	3.131	6.4	19.2
4 1	11 40.04	−19 52.0	2.174	3.125	6.7	19.2
4 11	11 33.37	−18 49.0	2.196	3.119	8.6	19.3
4 21	11 28.32	−17 40.7	2.244	3.113	11.0	19.4

290139 2005 QR_{156} 3 17.9 199°.51 6°.5/25.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 13.76	−21 56.0	2.586	3.274	14.0	20.3
2 21	12 9.36	−22 34.0	2.487	3.273	12.1	20.2
3 2	12 3.18	−22 52.8	2.409	3.273	9.9	20.0
3 12	11 55.70	−22 51.0	2.355	3.272	7.9	19.9
3 22	11 47.62	−22 28.8	2.327	3.271	6.6	19.8
4 1	11 39.75	−21 49.0	2.327	3.270	6.8	19.8
4 11	11 32.85	−20 56.6	2.354	3.270	8.4	19.9
4 21	11 27.53	−19 57.6	2.405	3.269	10.5	20.0

56946 2000 RZ_{88} 3 17.9 40°.75 8°.3/24.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 22.62	−20 26.4	2.090	2.788	16.6	18.9
2 21	12 16.49	−22 1.9	2.008	2.800	14.3	18.8
3 2	12 7.91	−23 17.8	1.947	2.812	11.9	18.6
3 12	11 57.55	−24 10.3	1.910	2.824	9.6	18.5
3 22	11 46.35	−24 37.5	1.900	2.837	8.4	18.4
4 1	11 35.46	−24 40.8	1.917	2.851	8.8	18.5
4 11	11 25.96	−24 25.4	1.961	2.864	10.5	18.6
4 21	11 18.65	−23 58.1	2.028	2.878	12.7	18.8

31375 Krystufek 3 17.9 88°.74 1°.2/18.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 18.62	− 3 6.1	1.440	2.256	17.7	18.7
2 21	12 14.01	− 3 6.2	1.365	2.260	13.8	18.4
3 2	12 6.56	− 2 49.1	1.310	2.263	9.1	18.2
3 12	11 57.07	− 2 17.9	1.280	2.267	3.9	17.9
3 22	11 46.72	− 1 38.4	1.276	2.270	2.1	17.8
4 1	11 36.91	− 0 57.9	1.298	2.274	7.2	18.1
4 11	11 28.93	− 0 23.8	1.345	2.277	12.1	18.4
4 21	11 23.56	− 0 1.5	1.414	2.280	16.3	18.6

386566 2009 DN_{101} 3 17.9 27°.24 3°.3/13.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 9.06	+ 5 36.6	1.933	2.772	12.9	20.3
2 21	12 6.04	+ 7 7.0	1.865	2.778	9.6	20.1
3 2	12 1.12	+ 8 47.2	1.822	2.784	6.0	19.9
3 12	11 54.92	+10 29.2	1.806	2.791	3.4	19.7
3 22	11 48.22	+12 4.3	1.819	2.798	4.7	19.8
4 1	11 41.91	+13 24.6	1.860	2.805	8.1	20.1
4 11	11 36.80	+14 24.7	1.926	2.813	11.5	20.3
4 21	11 33.45	+15 2.7	2.014	2.822	14.4	20.5

21848 1999 TO_{116} 3 17.9 129°.09 1°.3/19.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 12.63	− 7 22.0	2.339	3.119	12.9	19.4
2 21	12 8.38	− 6 36.3	2.258	3.131	10.0	19.2
3 2	12 2.45	− 5 34.5	2.201	3.144	6.7	19.0
3 12	11 55.39	− 4 20.0	2.172	3.156	3.2	18.8
3 22	11 47.90	− 2 58.1	2.173	3.167	1.6	18.7
4 1	11 40.78	− 1 35.4	2.204	3.178	4.8	18.9
4 11	11 34.71	− 0 18.2	2.264	3.188	8.2	19.2
4 21	11 30.22	+ 0 48.4	2.348	3.198	11.2	19.4

343062 2009 CB_{25} 3 17.9 91°.11 0°.4/18.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 15.49	− 1 9.8	2.263	3.063	12.6	20.6
2 21	12 10.61	− 1 6.3	2.182	3.069	9.6	20.4
3 2	12 3.90	− 0 52.8	2.124	3.076	6.2	20.2
3 12	11 55.95	− 0 32.1	2.095	3.082	2.5	19.9
3 22	11 47.51	− 0 7.8	2.094	3.089	1.5	19.9
4 1	11 39.43	+ 0 15.8	2.123	3.095	5.2	20.1
4 11	11 32.48	+ 0 34.7	2.180	3.101	8.7	20.3
4 21	11 27.22	+ 0 45.8	2.261	3.107	11.7	20.5

244766 2003 SF_{117} 3 17.9 129°.82 1°.6/19.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 15.53	− 6 1.8	1.668	2.469	16.3	20.3
2 21	12 11.31	− 5 42.5	1.589	2.474	12.8	20.0
3 2	12 4.66	− 5 3.8	1.531	2.478	8.6	19.8
3 12	11 56.31	− 4 9.1	1.498	2.482	4.0	19.5
3 22	11 47.26	− 3 4.3	1.492	2.486	2.1	19.4
4 1	11 38.65	− 1 57.1	1.515	2.490	6.4	19.7
4 11	11 31.55	− 0 55.7	1.563	2.494	10.8	19.9
4 21	11 26.69	− 0 6.2	1.634	2.498	14.6	20.2

145386 2005 NY_{16} 3 17.9 266°.07 0°.4/18.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 12.10	− 2 45.0	2.459	3.256	11.8	21.3
2 21	12 8.10	− 2 20.6	2.354	3.240	9.1	21.1
3 2	12 2.37	− 1 44.1	2.273	3.224	5.9	20.9
3 12	11 55.41	− 0 58.3	2.220	3.207	2.4	20.6
3 22	11 47.85	− 0 7.5	2.196	3.190	1.4	20.5
4 1	11 40.47	+ 0 43.4	2.201	3.173	5.1	20.7
4 11	11 33.99	+ 1 29.3	2.235	3.156	8.5	20.9
4 21	11 29.00	+ 2 6.2	2.293	3.138	11.6	21.1

276937 2004 TY_{210} 3 17.9 68°.58 1°.1/16.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 15.16	+ 2 1.1	1.850	2.671	14.1	21.1
2 21	12 10.72	+ 2 28.5	1.776	2.678	10.7	20.9
3 2	12 4.13	+ 3 6.5	1.726	2.685	6.7	20.6
3 12	11 56.07	+ 3 50.2	1.702	2.692	2.5	20.4
3 22	11 47.44	+ 4 33.6	1.707	2.698	2.5	20.4
4 1	11 39.28	+ 5 10.8	1.739	2.705	6.7	20.7
4 11	11 32.50	+ 5 36.8	1.797	2.712	10.6	20.9
4 21	11 27.72	+ 5 49.0	1.878	2.719	14.0	21.1

415929 2001 VV_{48} 3 17.9 73°.15 4°.4/22.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 17.82	−13 48.7	1.831	2.587	16.8	20.8
2 21	12 12.61	−13 51.7	1.772	2.620	13.6	20.6
3 2	12 5.21	−13 32.3	1.734	2.653	10.0	20.5
3 12	11 56.43	−12 51.8	1.721	2.685	6.4	20.3
3 22	11 47.24	−11 54.6	1.735	2.717	4.4	20.3
4 1	11 38.71	−10 47.4	1.777	2.748	6.1	20.4
4 11	11 31.72	− 9 38.3	1.846	2.779	9.2	20.7
4 21	11 26.85	− 8 34.3	1.940	2.810	12.4	20.9

208338 2001 QJ_{210} 3 17.9 168°.77 2°.0/15.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 11.16	+ 4 18.9	2.701	3.517	10.3	20.5
2 21	12 7.10	+ 5 27.0	2.619	3.520	7.7	20.4
3 2	12 1.57	+ 6 42.9	2.565	3.523	4.8	20.2
3 12	11 55.05	+ 8 1.3	2.539	3.526	2.2	20.0
3 22	11 48.13	+ 9 16.9	2.544	3.528	3.0	20.1
4 1	11 41.48	+10 24.1	2.580	3.530	5.9	20.3
4 11	11 35.70	+11 18.9	2.643	3.531	8.7	20.4
4 21	11 31.26	+11 59.0	2.731	3.532	11.2	20.6

108789 2001 OD_{65} 3 17.9 156°.29 3°.9/12.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 13.01	+11 49.5	2.505	3.335	10.6	20.0
2 21	12 8.60	+12 54.0	2.435	3.340	8.0	19.8
3 2	12 2.55	+14 0.9	2.390	3.344	5.4	19.7
3 12	11 55.43	+15 4.3	2.374	3.348	3.9	19.6
3 22	11 47.89	+15 58.4	2.387	3.352	5.0	19.6
4 1	11 40.68	+16 38.7	2.429	3.356	7.5	19.8
4 11	11 34.49	+17 2.5	2.497	3.359	10.1	20.0
4 21	11 29.81	+17 9.2	2.588	3.362	12.5	20.1

351986 2006 UV_{134} 3 17.9 225°.88 3°.1/22.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 10.68	−13 49.9	2.794	3.534	11.9	21.8
2 21	12 6.83	−13 26.8	2.686	3.525	9.7	21.6
3 2	12 1.46	−12 46.5	2.601	3.516	7.2	21.4
3 12	11 55.04	−11 50.3	2.542	3.507	4.6	21.3
3 22	11 48.13	−10 41.1	2.513	3.497	3.1	21.1
4 1	11 41.41	− 9 23.6	2.514	3.486	4.5	21.2
4 11	11 35.51	− 8 3.7	2.544	3.476	7.1	21.4
4 21	11 30.93	− 6 46.8	2.601	3.465	9.8	21.5

49473 1999 AT_{32} 3 17.9 229°.26 0°.4/17.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 13.17	− 0 7.3	2.444	3.248	11.6	20.2
2 21	12 8.85	+ 0 21.6	2.348	3.240	8.9	20.0
3 2	12 2.81	+ 1 0.9	2.278	3.232	5.6	19.8
3 12	11 55.57	+ 1 46.9	2.235	3.224	2.1	19.5
3 22	11 47.79	+ 2 35.3	2.222	3.215	1.7	19.5
4 1	11 40.24	+ 3 20.9	2.238	3.206	5.3	19.7
4 11	11 33.65	+ 3 59.2	2.283	3.197	8.7	19.9
4 21	11 28.59	+ 4 27.1	2.352	3.187	11.7	20.1

206881 2004 FJ_{161} 3 17.9 64°.31 1°.1/19.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 14.51	− 4 12.2	2.047	2.845	13.8	20.5
2 21	12 9.95	− 4 1.1	1.980	2.864	10.7	20.3
3 2	12 3.49	− 3 36.3	1.936	2.884	7.0	20.2
3 12	11 55.79	− 3 1.1	1.919	2.904	3.1	19.9
3 22	11 47.67	− 2 19.8	1.929	2.924	1.6	19.9
4 1	11 40.03	− 1 38.0	1.969	2.943	5.3	20.2
4 11	11 33.65	− 1 0.8	2.036	2.963	8.9	20.4
4 21	11 29.07	− 0 32.1	2.127	2.983	12.0	20.6

437430 2013 XP_{23} 3 17.9 126°.29 4°.7/12.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 13.46	+14 17.9	2.382	3.216	11.0	21.2
2 21	12 9.00	+15 23.8	2.318	3.223	8.4	21.0
3 2	12 2.84	+16 30.2	2.279	3.230	5.9	20.9
3 12	11 55.54	+17 30.6	2.268	3.236	4.7	20.8
3 22	11 47.84	+18 19.3	2.286	3.243	5.9	20.9
4 1	11 40.52	+18 51.7	2.332	3.249	8.3	21.1
4 11	11 34.30	+19 5.8	2.403	3.255	10.8	21.2
4 21	11 29.69	+19 1.7	2.496	3.261	13.1	21.4

44537 1999 AG 3 17.9 71°.11 2°.6/15.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 15.76	+ 2 58.4	1.360	2.200	17.2	18.9
2 21	12 11.83	+ 3 58.2	1.298	2.210	12.9	18.6
3 2	12 5.11	+ 5 12.5	1.257	2.220	8.0	18.4
3 12	11 56.50	+ 6 32.8	1.242	2.231	3.3	18.1
3 22	11 47.20	+ 7 48.7	1.252	2.241	4.3	18.2
4 1	11 38.58	+ 8 50.6	1.288	2.251	9.0	18.5
4 11	11 31.82	+ 9 31.9	1.348	2.261	13.6	18.8
4 21	11 27.63	+ 9 50.3	1.429	2.272	17.5	19.1

370989 2005 SC_{292} 3 17.9 245°.36 1°.2/19.0 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 16.26	− 3 57.0	1.939	2.737	14.5	21.7
2 21	12 11.69	− 3 50.3	1.843	2.728	11.3	21.5
3 2	12 4.89	− 3 29.0	1.770	2.718	7.5	21.3
3 12	11 56.44	− 2 55.5	1.723	2.708	3.4	21.0
3 22	11 47.21	− 2 14.3	1.704	2.698	1.8	20.8
4 1	11 38.24	− 1 30.9	1.713	2.687	6.0	21.1
4 11	11 30.53	− 0 51.7	1.750	2.676	10.1	21.3
4 21	11 24.81	− 0 21.3	1.810	2.665	13.8	21.5

501145 2013 TL_{61} 3 17.9 225°.10 4°.1/22.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 13.60	−15 50.3	2.401	3.134	13.8	22.2
2 21	12 9.35	−15 33.0	2.291	3.123	11.5	22.0
3 2	12 3.23	−14 54.8	2.202	3.111	8.7	21.8
3 12	11 55.77	−13 56.1	2.139	3.098	5.8	21.6
3 22	11 47.67	−12 39.8	2.105	3.084	4.1	21.4
4 1	11 39.74	−11 11.4	2.100	3.070	5.4	21.5
4 11	11 32.81	− 9 38.1	2.124	3.056	8.3	21.6
4 21	11 27.51	− 8 7.3	2.174	3.040	11.4	21.8

55453 2001 TZ_{127} 3 17.9 106°.75 5°.2/12.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 17.39	+17 2.7	2.339	3.167	11.3	18.8
2 21	12 11.96	+17 45.8	2.276	3.175	8.8	18.7
3 2	12 4.69	+18 26.4	2.238	3.183	6.4	18.6
3 12	11 56.25	+18 58.6	2.228	3.191	5.2	18.5
3 22	11 47.42	+19 17.3	2.246	3.199	6.2	18.6
4 1	11 39.06	+19 19.4	2.293	3.207	8.5	18.7
4 11	11 31.94	+19 3.8	2.365	3.214	11.1	18.9
4 21	11 26.56	+18 31.5	2.459	3.222	13.3	19.1

236141 2005 UG_{52} 3 17.9 147°.63 1°.1/18.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 20.03	− 4 4.5	1.706	2.504	16.1	21.7
2 21	12 14.64	− 3 49.2	1.629	2.514	12.5	21.5
3 2	12 6.75	− 3 17.1	1.574	2.523	8.2	21.3
3 12	11 57.12	− 2 31.8	1.545	2.531	3.6	21.0
3 22	11 46.81	− 1 38.9	1.544	2.538	1.9	20.9
4 1	11 37.01	− 0 45.5	1.572	2.545	6.5	21.2
4 11	11 28.81	+ 0 1.2	1.626	2.551	10.8	21.5
4 21	11 22.93	+ 0 36.3	1.703	2.557	14.6	21.7

74990 1999 TO_{264} 3 17.9 255°.86 4°.2/14.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 17.94	+ 9 9.6	1.666	2.503	14.7	19.5
2 21	12 13.27	+ 9 57.8	1.584	2.494	11.2	19.3
3 2	12 6.02	+10 52.7	1.525	2.485	7.3	19.0
3 12	11 56.90	+11 46.4	1.492	2.475	4.3	18.8
3 22	11 46.95	+12 31.1	1.486	2.465	5.6	18.9
4 1	11 37.40	+12 59.6	1.508	2.455	9.4	19.1
4 11	11 29.41	+13 8.0	1.553	2.445	13.5	19.3
4 21	11 23.76	+12 55.4	1.619	2.435	17.0	19.5

379730 2011 GY_{47} 3 17.9 195°.68 2°.1/16.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 18.92	+ 6 19.0	2.026	2.846	13.1	20.9
2 21	12 13.46	+ 6 32.4	1.944	2.845	9.9	20.7
3 2	12 5.85	+ 6 51.4	1.886	2.845	6.3	20.4
3 12	11 56.76	+ 7 11.3	1.856	2.844	2.7	20.2
3 22	11 47.07	+ 7 27.4	1.855	2.843	3.3	20.2
4 1	11 37.78	+ 7 35.2	1.883	2.842	6.9	20.5
4 11	11 29.83	+ 7 31.8	1.937	2.841	10.6	20.7
4 21	11 23.85	+ 7 15.8	2.015	2.840	13.8	20.9

12454 1996 YO_{1} 3 17.9 329°.51 1°.3/18.9 18 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 13.16	− 4 0.2	1.381	2.206	17.8	18.1
2 21	12 10.11	− 3 52.3	1.296	2.196	14.0	17.9
3 2	12 4.26	− 3 24.2	1.232	2.187	9.3	17.6
3 12	11 56.30	− 2 39.4	1.191	2.178	4.1	17.2
3 22	11 47.33	− 1 43.8	1.175	2.170	2.2	17.1
4 1	11 38.73	− 0 46.2	1.185	2.162	7.4	17.4
4 11	11 31.82	+ 0 4.3	1.218	2.155	12.6	17.6
4 21	11 27.48	+ 0 41.0	1.272	2.149	17.1	17.9

388266 2006 QZ_{95} 3 17.9 98°.58 0°.6/18.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 20.18	− 1 13.9	2.710	3.491	11.3	21.2
2 21	12 13.70	− 1 22.8	2.639	3.516	8.6	21.0
3 2	12 5.65	− 1 23.7	2.593	3.540	5.6	20.9
3 12	11 56.59	− 1 18.8	2.577	3.564	2.3	20.7
3 22	11 47.22	− 1 10.6	2.593	3.587	1.3	20.6
4 1	11 38.27	− 1 2.0	2.640	3.610	4.5	20.9
4 11	11 30.41	− 0 56.1	2.716	3.632	7.4	21.1
4 21	11 24.09	− 0 55.0	2.819	3.654	10.0	21.3

455152 1995 VN_{8} 3 17.9 147°.93 0°.7/18.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 18.76	− 4 7.6	1.780	2.578	15.6	22.9
2 21	12 13.56	− 3 36.6	1.703	2.589	12.0	22.6
3 2	12 6.01	− 2 48.4	1.649	2.599	7.9	22.4
3 12	11 56.83	− 1 47.3	1.621	2.608	3.3	22.2
3 22	11 47.03	− 0 39.7	1.622	2.616	1.8	22.1
4 1	11 37.72	+ 0 26.9	1.651	2.624	6.3	22.4
4 11	11 29.92	+ 1 25.2	1.708	2.630	10.6	22.6
4 21	11 24.31	+ 2 10.1	1.787	2.636	14.2	22.9

303201 2004 GV_{50} 3 17.9 283°.56 1°.9/15.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 13.58	+ 4 50.9	2.292	3.112	11.8	21.5
2 21	12 9.36	+ 5 22.5	2.191	3.093	8.9	21.3
3 2	12 3.26	+ 6 1.7	2.115	3.074	5.6	21.0
3 12	11 55.80	+ 6 44.1	2.066	3.054	2.4	20.8
3 22	11 47.69	+ 7 24.6	2.047	3.035	3.0	20.8
4 1	11 39.76	+ 7 58.1	2.056	3.015	6.5	21.0
4 11	11 32.85	+ 8 20.5	2.093	2.995	10.0	21.1
4 21	11 27.57	+ 8 29.3	2.152	2.976	13.1	21.3

299791 2006 SL_{93} 3 17.9 129°.86 0°.1/18.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 12.45	− 1 26.6	2.720	3.516	10.8	21.8
2 21	12 8.03	− 0 59.1	2.640	3.527	8.2	21.6
3 2	12 2.14	− 0 22.0	2.585	3.537	5.2	21.4
3 12	11 55.30	+ 0 21.4	2.559	3.547	2.0	21.2
3 22	11 48.08	+ 1 7.2	2.562	3.556	1.3	21.2
4 1	11 41.17	+ 1 51.2	2.596	3.566	4.6	21.4
4 11	11 35.15	+ 2 29.4	2.658	3.575	7.6	21.6
4 21	11 30.50	+ 2 58.8	2.746	3.583	10.2	21.8

167609 2004 CD_1 3 17.9 55°.03 11°.2/ 3.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 16.85	+33 52.8	2.023	2.840	13.3	19.2
2 21	12 12.09	+35 36.8	1.992	2.849	11.9	19.1
3 2	12 5.00	+37 4.5	1.984	2.859	11.2	19.1
3 12	11 56.41	+38 6.6	2.000	2.869	11.6	19.1
3 22	11 47.39	+38 37.4	2.039	2.879	12.7	19.2
4 1	11 39.04	+38 34.8	2.100	2.890	14.3	19.3
4 11	11 32.34	+38 1.2	2.179	2.900	15.9	19.5
4 21	11 27.84	+37 1.2	2.274	2.911	17.4	19.6

127003 2002 GO 3 17.9 278°.72 5°.3/12.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 15.08	+13 27.4	1.970	2.808	12.7	19.6
2 21	12 10.82	+14 32.3	1.882	2.790	9.8	19.3
3 2	12 4.34	+15 40.3	1.819	2.773	6.9	19.1
3 12	11 56.25	+16 43.8	1.783	2.755	5.3	19.0
3 22	11 47.42	+17 34.9	1.775	2.737	6.7	19.0
4 1	11 38.86	+18 7.4	1.793	2.719	9.8	19.2
4 11	11 31.58	+18 17.9	1.836	2.701	13.1	19.3
4 21	11 26.27	+18 6.3	1.900	2.683	16.0	19.5

130825 2000 UV_{25} 3 17.9 178°.31 4°.8/13.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 17.78	+10 49.3	1.824	2.659	13.7	20.0
2 21	12 12.84	+12 1.7	1.753	2.661	10.4	19.8
3 2	12 5.57	+13 19.1	1.705	2.662	7.0	19.6
3 12	11 56.69	+14 33.1	1.685	2.663	4.9	19.5
3 22	11 47.17	+15 35.2	1.693	2.663	6.2	19.6
4 1	11 38.12	+16 18.8	1.729	2.662	9.5	19.7
4 11	11 30.54	+16 40.2	1.789	2.661	13.0	19.9
4 21	11 25.12	+16 39.4	1.869	2.659	16.0	20.2

330462 2007 EK_{148} 3 17.9 263°.56 2°.1/15.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 13.81	+ 3 47.5	1.862	2.690	13.8	21.2
2 21	12 9.82	+ 4 36.2	1.780	2.686	10.4	21.0
3 2	12 3.67	+ 5 35.7	1.721	2.682	6.5	20.7
3 12	11 55.99	+ 6 40.0	1.690	2.678	2.8	20.5
3 22	11 47.65	+ 7 41.8	1.686	2.674	3.5	20.5
4 1	11 39.67	+ 8 34.2	1.710	2.670	7.5	20.7
4 11	11 33.00	+ 9 11.7	1.760	2.665	11.4	21.0
4 21	11 28.30	+ 9 31.6	1.832	2.661	14.8	21.2

415971 2001 XF_{228} 3 17.9 120°.55 8°.1/27.5 14 C

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 16.05	−25 36.5	2.173	2.845	16.7	21.7
2 21	12 11.40	−26 8.1	2.089	2.859	14.6	21.6
3 2	12 4.61	−26 14.1	2.023	2.871	12.2	21.5
3 12	11 56.33	−25 52.4	1.980	2.884	9.9	21.3
3 22	11 47.43	−25 3.8	1.961	2.896	8.3	21.2
4 1	11 38.91	−23 52.4	1.969	2.907	8.2	21.3
4 11	11 31.69	−22 25.7	2.003	2.918	9.7	21.4
4 21	11 26.44	−20 52.4	2.062	2.929	11.9	21.5

72395 2001 CG_{20} 3 17.9 299°.93 1°.8/16.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 16.61	+ 4 45.1	1.887	2.712	13.8	18.8
2 21	12 11.98	+ 5 0.8	1.798	2.701	10.5	18.6
3 2	12 5.08	+ 5 24.3	1.732	2.692	6.6	18.3
3 12	11 56.55	+ 5 50.8	1.693	2.682	2.7	18.1
3 22	11 47.27	+ 6 15.2	1.682	2.672	3.1	18.1
4 1	11 38.32	+ 6 32.1	1.699	2.662	7.2	18.3
4 11	11 30.70	+ 6 37.6	1.742	2.653	11.1	18.5
4 21	11 25.12	+ 6 29.4	1.808	2.644	14.6	18.7

171198 2005 JX_{43} 3 17.9 298°.44 0°.2/17.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 12.86	− 0 34.1	2.065	2.877	13.2	20.3
2 21	12 8.97	− 0 12.4	1.970	2.865	10.1	20.1
3 2	12 3.09	+ 0 21.3	1.899	2.854	6.5	19.9
3 12	11 55.77	+ 1 3.5	1.854	2.843	2.5	19.6
3 22	11 47.79	+ 1 49.2	1.838	2.832	1.8	19.5
4 1	11 40.06	+ 2 32.6	1.850	2.821	6.0	19.8
4 11	11 33.45	+ 3 8.4	1.889	2.810	9.8	20.0
4 21	11 28.61	+ 3 32.7	1.951	2.799	13.3	20.2

153437 2001 QD_{230} 3 17.9 138°.98 0°.3/18.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 17.21	− 2 11.9	2.344	3.136	12.5	22.0
2 21	12 11.82	− 1 48.1	2.267	3.150	9.5	21.8
3 2	12 4.65	− 1 12.9	2.214	3.164	6.1	21.6
3 12	11 56.29	− 0 29.7	2.189	3.177	2.4	21.4
3 22	11 47.49	+ 0 17.0	2.195	3.189	1.4	21.3
4 1	11 39.09	+ 1 2.0	2.230	3.201	5.1	21.6
4 11	11 31.84	+ 1 40.9	2.295	3.211	8.5	21.8
4 21	11 26.26	+ 2 10.3	2.384	3.221	11.5	22.0

176568 2002 AU_{188} 3 17.9 236°.81 4°.2/11.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 10.54	+12 16.5	2.607	3.440	10.1	20.2
2 21	12 6.81	+13 39.4	2.526	3.433	7.7	20.0
3 2	12 1.51	+15 5.7	2.472	3.426	5.3	19.9
3 12	11 55.13	+16 29.1	2.448	3.418	4.2	19.8
3 22	11 48.27	+17 43.1	2.452	3.410	5.4	19.9
4 1	11 41.65	+18 42.6	2.485	3.402	7.8	20.0
4 11	11 35.93	+19 24.3	2.544	3.394	10.4	20.1
4 21	11 31.61	+19 47.0	2.625	3.386	12.6	20.3

371147 2005 XA_{24} 3 17.9 38°.60 4°.6/22.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 13.39	−12 16.3	1.470	2.258	18.8	20.6
2 21	12 9.88	−12 25.8	1.408	2.276	15.2	20.4
3 2	12 3.83	−12 9.8	1.365	2.295	11.0	20.2
3 12	11 56.06	−11 29.7	1.344	2.315	6.9	20.0
3 22	11 47.68	−10 30.4	1.349	2.335	4.6	19.9
4 1	11 39.93	− 9 20.2	1.380	2.356	6.8	20.1
4 11	11 33.89	− 8 8.7	1.436	2.378	10.6	20.3
4 21	11 30.21	− 7 4.3	1.514	2.399	14.3	20.6

504877 2010 VC_{89} 3 17.9 231°.01 6°.4/24.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 16.23	−21 1.7	2.287	2.986	15.3	22.2
2 21	12 11.60	−21 14.6	2.172	2.971	13.2	22.0
3 2	12 4.85	−21 4.5	2.078	2.956	10.7	21.8
3 12	11 56.49	−20 29.8	2.008	2.939	8.1	21.6
3 22	11 47.31	−19 31.2	1.964	2.922	6.5	21.5
4 1	11 38.26	−18 12.6	1.948	2.904	7.0	21.5
4 11	11 30.30	−16 41.5	1.960	2.885	9.3	21.6
4 21	11 24.15	−15 6.1	1.998	2.866	12.2	21.7

462834 2010 TL_{99} 3 17.9 243°.91 1°.1/17.0 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 17.44	+ 1 24.3	1.911	2.725	14.1	22.5
2 21	12 12.70	+ 1 56.9	1.812	2.710	10.8	22.2
3 2	12 5.61	+ 2 41.9	1.737	2.694	6.8	22.0
3 12	11 56.80	+ 3 34.7	1.688	2.677	2.6	21.7
3 22	11 47.12	+ 4 29.1	1.668	2.660	2.6	21.6
4 1	11 37.66	+ 5 18.3	1.677	2.642	7.0	21.9
4 11	11 29.48	+ 5 56.3	1.712	2.624	11.3	22.1
4 21	11 23.35	+ 6 19.4	1.770	2.605	15.0	22.3

91453 1999 RA_{49} 3 17.9 163°.78 3°.0/14.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 13.21	+ 6 48.1	2.394	3.218	11.2	20.1
2 21	12 8.86	+ 8 4.7	2.318	3.223	8.4	19.9
3 2	12 2.81	+ 9 28.2	2.269	3.227	5.3	19.8
3 12	11 55.61	+10 52.4	2.248	3.232	3.1	19.6
3 22	11 47.97	+12 10.6	2.258	3.235	4.1	19.7
4 1	11 40.64	+13 16.9	2.297	3.238	7.1	19.9
4 11	11 34.35	+14 7.1	2.363	3.241	10.0	20.1
4 21	11 29.61	+14 39.5	2.452	3.243	12.6	20.3

231900 2000 WT_{180} 3 17.9 180°.14 3°.4/12.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 11.43	+12 27.6	3.249	4.072	8.6	21.5
2 21	12 7.12	+13 34.8	3.172	4.073	6.5	21.4
3 2	12 1.53	+14 43.7	3.123	4.074	4.5	21.2
3 12	11 55.10	+15 49.6	3.103	4.074	3.4	21.1
3 22	11 48.32	+16 48.0	3.114	4.074	4.3	21.2
4 1	11 41.76	+17 35.0	3.155	4.073	6.3	21.3
4 11	11 35.94	+18 8.4	3.224	4.072	8.4	21.5
4 21	11 31.28	+18 27.2	3.315	4.070	10.4	21.6

344610 2003 EH_{53} 3 17.9 38°.68 5°.0/14.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 24.91	+15 42.6	1.798	2.625	14.3	19.7
2 21	12 17.92	+15 45.2	1.743	2.644	10.9	19.5
3 2	12 8.57	+15 44.1	1.713	2.663	7.5	19.3
3 12	11 57.75	+15 33.5	1.709	2.683	5.2	19.2
3 22	11 46.61	+15 9.3	1.734	2.704	6.0	19.3
4 1	11 36.31	+14 29.6	1.787	2.725	8.9	19.5
4 11	11 27.83	+13 34.9	1.866	2.747	12.1	19.8
4 21	11 21.71	+12 27.7	1.968	2.768	15.0	20.0

240489 2004 CO_{42} 3 17.9 3°.45 3°.3/14.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 9.35	+ 5 43.0	1.874	2.714	13.2	20.1
2 21	12 6.41	+ 7 7.1	1.801	2.714	9.8	19.9
3 2	12 1.47	+ 8 41.6	1.752	2.714	6.2	19.7
3 12	11 55.15	+10 18.5	1.730	2.715	3.5	19.5
3 22	11 48.28	+11 49.1	1.736	2.716	4.8	19.6
4 1	11 41.77	+13 5.3	1.770	2.717	8.3	19.8
4 11	11 36.49	+14 1.5	1.828	2.719	11.8	20.0
4 21	11 33.02	+14 35.4	1.908	2.721	14.9	20.2

246034 2006 UT_{95} 3 17.9 242°.02 1°.3/19.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 10.37	− 6 57.6	2.460	3.243	12.2	21.3
2 21	12 6.76	− 6 23.0	2.363	3.238	9.6	21.1
3 2	12 1.52	− 5 33.1	2.290	3.233	6.5	20.9
3 12	11 55.15	− 4 30.7	2.244	3.227	3.1	20.7
3 22	11 48.27	− 3 20.2	2.228	3.222	1.6	20.6
4 1	11 41.62	− 2 7.3	2.241	3.216	4.7	20.8
4 11	11 35.90	− 0 57.9	2.283	3.210	8.0	21.0
4 21	11 31.63	+ 0 2.9	2.350	3.204	11.1	21.2

111417 2001 XS_{192} 3 17.9 42°.80 4°.1/12.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 11.44	+11 6.2	2.235	3.072	11.5	19.4
2 21	12 7.64	+12 12.8	2.166	3.076	8.6	19.2
3 2	12 2.08	+13 22.8	2.123	3.080	5.8	19.0
3 12	11 55.34	+14 29.5	2.108	3.084	4.1	18.9
3 22	11 48.16	+15 26.6	2.121	3.089	5.3	19.0
4 1	11 41.35	+16 8.8	2.162	3.093	8.0	19.2
4 11	11 35.63	+16 33.2	2.228	3.098	10.9	19.4
4 21	11 31.54	+16 39.0	2.316	3.103	13.4	19.6

158600 2002 VY_{33} 3 17.9 74°.36 6°.0/13.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 19.41	+11 9.8	1.281	2.132	17.3	19.9
2 21	12 14.70	+12 22.0	1.230	2.146	13.1	19.7
3 2	12 6.98	+13 38.8	1.201	2.161	8.8	19.5
3 12	11 57.26	+14 48.6	1.196	2.175	6.1	19.4
3 22	11 46.92	+15 41.0	1.217	2.189	7.6	19.5
4 1	11 37.47	+16 8.5	1.262	2.203	11.5	19.7
4 11	11 30.15	+16 8.7	1.329	2.218	15.5	20.0
4 21	11 25.64	+15 43.6	1.415	2.232	19.0	20.3

429060 2009 DS_{122} 3 17.9 210°.42 0°.6/17.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 10.53	− 0 22.5	2.699	3.503	10.7	21.5
2 21	12 6.72	+ 0 30.2	2.606	3.499	8.1	21.3
3 2	12 1.42	+ 1 33.5	2.538	3.494	5.1	21.1
3 12	11 55.09	+ 2 43.4	2.500	3.489	1.9	20.8
3 22	11 48.33	+ 3 55.0	2.491	3.483	1.8	20.8
4 1	11 41.78	+ 5 2.9	2.513	3.478	5.1	21.0
4 11	11 36.08	+ 6 2.3	2.563	3.472	8.1	21.2
4 21	11 31.70	+ 6 49.9	2.639	3.466	10.8	21.4

201722 2003 UK_{190} 3 17.9 178°.23 1°.8/15.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 14.05	+ 4 10.8	2.249	3.068	12.0	21.3
2 21	12 9.61	+ 4 51.6	2.167	3.069	9.0	21.1
3 2	12 3.35	+ 5 40.5	2.111	3.069	5.7	20.9
3 12	11 55.85	+ 6 32.6	2.082	3.070	2.4	20.7
3 22	11 47.84	+ 7 22.4	2.082	3.070	3.0	20.7
4 1	11 40.15	+ 8 4.4	2.111	3.070	6.4	20.9
4 11	11 33.57	+ 8 34.7	2.168	3.069	9.7	21.2
4 21	11 28.64	+ 8 50.9	2.247	3.069	12.7	21.3

100012 1989 BC_1 3 17.9 92°.22 10°.2/ 4.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 17.89	+28 44.5	1.991	2.817	13.1	18.8
2 21	12 12.77	+31 8.1	1.971	2.844	11.2	18.7
3 2	12 5.40	+33 17.6	1.977	2.871	10.3	18.7
3 12	11 56.59	+35 2.3	2.009	2.897	10.6	18.8
3 22	11 47.38	+36 15.2	2.066	2.923	11.9	18.9
4 1	11 38.86	+36 53.7	2.146	2.948	13.6	19.1
4 11	11 31.94	+36 59.4	2.246	2.972	15.4	19.3
4 21	11 27.18	+36 37.1	2.362	2.996	16.8	19.4

32739 1978 VA_5 3 17.9 125°.46 1°.0/16.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 12.82	+ 2 32.6	3.013	3.816	9.7	20.0
2 21	12 8.14	+ 3 10.9	2.941	3.834	7.2	19.9
3 2	12 2.15	+ 3 55.8	2.895	3.851	4.5	19.7
3 12	11 55.33	+ 4 43.5	2.879	3.867	1.7	19.5
3 22	11 48.21	+ 5 30.1	2.893	3.883	1.9	19.6
4 1	11 41.40	+ 6 11.9	2.939	3.899	4.7	19.8
4 11	11 35.43	+ 6 45.7	3.013	3.914	7.3	20.0
4 21	11 30.69	+ 7 9.5	3.112	3.929	9.6	20.2

467806 2010 BC_{130} 3 17.9 107°.48 1°.5/16.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 16.59	+ 3 14.7	1.990	2.808	13.4	21.7
2 21	12 11.65	+ 3 45.2	1.919	2.819	10.1	21.5
3 2	12 4.68	+ 4 24.7	1.872	2.831	6.3	21.3
3 12	11 56.35	+ 5 8.0	1.853	2.842	2.4	21.1
3 22	11 47.53	+ 5 49.5	1.862	2.853	2.7	21.1
4 1	11 39.18	+ 6 23.8	1.900	2.863	6.6	21.4
4 11	11 32.17	+ 6 46.6	1.965	2.874	10.2	21.6
4 21	11 27.06	+ 6 55.9	2.053	2.884	13.3	21.8

289730 2005 JV_{24} 3 17.9 321°.26 1°.7/16.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 13.65	+ 2 11.2	1.393	2.234	16.8	20.7
2 21	12 10.51	+ 2 42.3	1.309	2.221	12.9	20.4
3 2	12 4.55	+ 3 28.4	1.245	2.208	8.2	20.1
3 12	11 56.48	+ 4 23.4	1.206	2.195	3.1	19.7
3 22	11 47.39	+ 5 19.2	1.192	2.184	3.4	19.7
4 1	11 38.66	+ 6 6.7	1.203	2.173	8.6	20.0
4 11	11 31.61	+ 6 38.6	1.238	2.162	13.6	20.2
4 21	11 27.13	+ 6 50.8	1.293	2.152	18.0	20.5

184161 2004 LM_2 3 17.9 320°.53 4°.7/13.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 10.14	+ 7 5.9	1.486	2.339	15.3	19.3
2 21	12 7.64	+ 8 39.8	1.406	2.326	11.5	19.1
3 2	12 2.61	+10 27.2	1.348	2.312	7.5	18.8
3 12	11 55.70	+12 18.0	1.317	2.299	4.8	18.6
3 22	11 47.92	+14 0.1	1.311	2.287	6.6	18.7
4 1	11 40.49	+15 22.6	1.331	2.275	10.7	18.9
4 11	11 34.58	+16 18.1	1.373	2.264	14.9	19.1
4 21	11 30.99	+16 44.2	1.435	2.254	18.6	19.3

288864 2004 RS_{226} 3 17.9 145°.63 1°.7/16.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 22.62	+ 4 19.2	1.818	2.632	14.6	21.0
2 21	12 16.43	+ 4 39.4	1.744	2.642	11.1	20.8
3 2	12 7.82	+ 5 7.7	1.695	2.652	7.0	20.6
3 12	11 57.58	+ 5 39.1	1.672	2.660	2.8	20.3
3 22	11 46.73	+ 6 7.9	1.679	2.669	3.1	20.4
4 1	11 36.44	+ 6 28.5	1.714	2.676	7.2	20.6
4 11	11 27.75	+ 6 37.2	1.776	2.683	11.2	20.9
4 21	11 21.32	+ 6 32.3	1.862	2.689	14.6	21.1

464938 2005 UV_{293} 3 17.9 168°.55 0°.5/17.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 16.25	+ 0 10.6	2.240	3.044	12.6	22.5
2 21	12 11.27	+ 0 39.1	2.156	3.047	9.6	22.3
3 2	12 4.41	+ 1 18.2	2.097	3.051	6.1	22.1
3 12	11 56.27	+ 2 3.9	2.065	3.054	2.2	21.9
3 22	11 47.59	+ 2 51.2	2.063	3.056	1.9	21.8
4 1	11 39.26	+ 3 35.0	2.091	3.058	5.7	22.1
4 11	11 32.07	+ 4 10.4	2.146	3.059	9.2	22.3
4 21	11 26.60	+ 4 34.4	2.226	3.060	12.3	22.5

387398 2013 NP_{22} 3 17.9 35°.12 4°.6/22.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 12.57	−13 42.7	1.873	2.638	16.1	20.4
2 21	12 8.93	−13 49.8	1.790	2.642	13.2	20.2
3 2	12 3.14	−13 34.8	1.727	2.648	9.9	20.0
3 12	11 55.83	−12 58.3	1.689	2.653	6.5	19.9
3 22	11 47.87	−12 3.7	1.676	2.659	4.6	19.7
4 1	11 40.29	−10 56.9	1.691	2.664	6.2	19.8
4 11	11 34.02	− 9 46.0	1.733	2.670	9.4	20.1
4 21	11 29.71	− 8 38.5	1.798	2.677	12.8	20.3

341332 2007 TD_{34} 3 17.9 125°.73 3°.3/14.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 15.53	+ 9 49.0	2.265	3.092	11.7	20.8
2 21	12 10.68	+10 26.1	2.191	3.096	8.8	20.7
3 2	12 4.00	+11 6.4	2.142	3.100	5.7	20.5
3 12	11 56.10	+11 44.6	2.121	3.103	3.4	20.3
3 22	11 47.73	+12 15.4	2.129	3.107	4.3	20.4
4 1	11 39.75	+12 34.6	2.166	3.110	7.2	20.6
4 11	11 32.94	+12 39.5	2.229	3.113	10.3	20.8
4 21	11 27.82	+12 29.5	2.315	3.116	13.0	21.0

381961 2010 EJ_{94} 3 17.9 1°.02 1°.7/16.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 9.86	+ 1 25.5	1.699	2.533	14.6	21.0
2 21	12 7.00	+ 2 23.3	1.623	2.532	11.0	20.8
3 2	12 1.95	+ 3 35.6	1.569	2.531	6.9	20.5
3 12	11 55.39	+ 4 55.5	1.542	2.531	2.6	20.2
3 22	11 48.19	+ 6 14.9	1.542	2.532	3.2	20.3
4 1	11 41.38	+ 7 25.4	1.568	2.533	7.5	20.5
4 11	11 35.93	+ 8 20.2	1.620	2.535	11.6	20.8
4 21	11 32.47	+ 8 55.6	1.694	2.538	15.1	21.0

399357 2000 WV_{19} 3 17.9 137°.35 5°.2/13.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 21.59	+13 57.3	1.983	2.810	13.1	21.8
2 21	12 15.41	+14 58.8	1.924	2.825	10.0	21.6
3 2	12 7.04	+16 0.6	1.889	2.839	7.0	21.5
3 12	11 57.24	+16 55.0	1.882	2.853	5.3	21.4
3 22	11 47.00	+17 35.2	1.904	2.866	6.4	21.5
4 1	11 37.36	+17 56.5	1.955	2.878	9.2	21.7
4 11	11 29.24	+17 57.2	2.030	2.889	12.2	21.9
4 21	11 23.23	+17 38.4	2.127	2.899	14.9	22.1

306686 2000 UX_{41} 3 17.9 133°.85 1°.3/16.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 18.81	+ 1 52.3	1.848	2.662	14.4	21.6
2 21	12 13.48	+ 2 31.8	1.778	2.676	10.9	21.4
3 2	12 5.91	+ 3 22.7	1.731	2.688	6.8	21.1
3 12	11 56.85	+ 4 19.1	1.711	2.700	2.6	20.9
3 22	11 47.24	+ 5 14.6	1.720	2.711	2.7	20.9
4 1	11 38.16	+ 6 2.5	1.758	2.722	6.9	21.2
4 11	11 30.55	+ 6 37.6	1.823	2.732	10.8	21.5
4 21	11 25.04	+ 6 57.4	1.910	2.741	14.2	21.7

261131 2005 TE_{33} 3 17.9 41°.11 4°.8/14.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 20.32	+11 48.2	1.504	2.346	15.8	20.3
2 21	12 15.02	+12 14.9	1.446	2.357	12.0	20.1
3 2	12 7.04	+12 43.2	1.410	2.369	7.9	19.9
3 12	11 57.29	+13 5.4	1.400	2.381	5.0	19.7
3 22	11 46.98	+13 14.9	1.416	2.393	6.0	19.8
4 1	11 37.44	+13 7.0	1.458	2.406	9.7	20.1
4 11	11 29.79	+12 40.4	1.525	2.420	13.5	20.3
4 21	11 24.68	+11 56.5	1.612	2.433	16.8	20.6

96806 1999 RU_{142} 3 17.9 174°.84 2°.1/15.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 14.06	+ 4 36.9	2.267	3.087	11.9	20.4
2 21	12 9.61	+ 5 28.7	2.187	3.089	8.9	20.3
3 2	12 3.36	+ 6 28.8	2.131	3.090	5.6	20.0
3 12	11 55.87	+ 7 31.7	2.104	3.091	2.5	19.8
3 22	11 47.88	+ 8 31.4	2.106	3.092	3.3	19.9
4 1	11 40.22	+ 9 22.3	2.138	3.092	6.6	20.1
4 11	11 33.65	+10 0.1	2.196	3.092	9.9	20.3
4 21	11 28.74	+10 22.6	2.278	3.092	12.7	20.5

422773 2001 UZ_{186} 3 17.9 87°.15 4°.6/13.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 18.21	+14 49.6	2.266	3.093	11.7	20.7
2 21	12 12.64	+15 22.5	2.201	3.102	8.9	20.6
3 2	12 5.20	+15 54.4	2.161	3.111	6.2	20.4
3 12	11 56.54	+16 19.4	2.149	3.120	4.6	20.3
3 22	11 47.49	+16 32.9	2.166	3.129	5.6	20.4
4 1	11 38.92	+16 31.4	2.211	3.139	8.1	20.6
4 11	11 31.62	+16 13.8	2.282	3.147	10.8	20.8
4 21	11 26.12	+15 41.0	2.376	3.156	13.3	20.9