154796 2004 PX_{74} 2 18.9 157°.35 1°.0/19.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 12	10 29.62	+ 5 25.8	1.994	2.767	14.9	20.7
1 22	10 26.10	+ 5 55.8	1.905	2.769	11.8	20.5
2 1	10 20.39	+ 6 42.3	1.838	2.770	8.1	20.3
2 11	10 13.02	+ 7 41.9	1.797	2.771	4.0	20.1
2 21	10 4.79	+ 8 49.4	1.784	2.772	1.1	19.8
3 2	9 56.67	+ 9 58.1	1.801	2.773	5.0	20.1
3 12	9 49.64	+11 1.5	1.845	2.774	9.0	20.4
3 22	9 44.44	+11 54.9	1.915	2.775	12.6	20.6

265323 2004 NA_{23} 2 18.9 190°.37 1°.5/20.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 34.43	+ 5 42.2	2.672	3.417	12.2	20.9
1 22	10 29.21	+ 5 38.3	2.570	3.416	9.7	20.8
2 1	10 22.16	+ 5 44.6	2.491	3.414	6.8	20.6
2 11	10 13.74	+ 5 59.5	2.441	3.411	3.6	20.3
2 21	10 4.62	+ 6 20.6	2.421	3.407	1.5	20.2
3 2	9 55.55	+ 6 44.4	2.433	3.403	4.1	20.4
3 12	9 47.35	+ 7 7.7	2.475	3.398	7.3	20.6
3 22	9 40.61	+ 7 27.3	2.544	3.393	10.2	20.7

21048 1990 SV_{9} 2 18.9 166°.57 0°.3/18.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 35.12	+ 8 41.5	1.565	2.355	17.5	19.6
1 22	10 31.02	+ 9 20.9	1.484	2.359	13.8	19.3
2 1	10 24.02	+10 18.3	1.423	2.363	9.3	19.1
2 11	10 14.77	+11 28.4	1.388	2.365	4.2	18.8
2 21	10 4.35	+12 43.1	1.380	2.368	1.3	18.5
3 2	9 54.11	+13 53.6	1.400	2.369	6.5	18.9
3 12	9 45.41	+14 52.3	1.447	2.370	11.4	19.2
3 22	9 39.19	+15 34.6	1.516	2.371	15.6	19.4

226101 2002 PL_{32} 2 18.9 275°.81 0°.7/19.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 31.73	+ 6 31.8	1.402	2.200	18.8	20.3
1 22	10 28.97	+ 6 57.8	1.305	2.184	15.1	20.0
2 1	10 23.06	+ 7 46.3	1.228	2.167	10.4	19.7
2 11	10 14.52	+ 8 54.0	1.173	2.150	5.0	19.3
2 21	10 4.37	+10 13.6	1.145	2.133	1.2	19.0
3 2	9 54.09	+11 35.2	1.143	2.116	6.9	19.3
3 12	9 45.27	+12 48.5	1.166	2.099	12.6	19.6
3 22	9 39.14	+13 46.2	1.211	2.082	17.5	19.8

435314 2007 UW_{99} 2 18.9 112°.96 6°.0/26.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 29.31	−11 22.3	2.715	3.377	13.8	21.4
1 22	10 25.20	−11 45.3	2.627	3.392	11.9	21.3
2 1	10 19.44	−11 49.5	2.560	3.407	9.8	21.1
2 11	10 12.49	−11 34.1	2.516	3.422	7.7	21.0
2 21	10 4.95	−11 0.0	2.500	3.436	6.2	21.0
3 2	9 57.54	−10 10.0	2.512	3.451	6.2	21.0
3 12	9 50.96	− 9 9.0	2.552	3.464	7.6	21.1
3 22	9 45.75	− 8 2.3	2.619	3.478	9.6	21.2

85343 1995 SX_{53} 2 18.9 72°.37 3°.6/21.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 41.64	+ 3 16.4	1.922	2.664	16.4	19.0
1 22	10 35.14	+ 2 21.9	1.852	2.691	13.2	18.9
2 1	10 26.20	+ 1 40.8	1.804	2.717	9.6	18.7
2 11	10 15.55	+ 1 13.2	1.783	2.744	5.9	18.5
2 21	10 4.20	+ 0 57.7	1.791	2.770	3.6	18.4
3 2	9 53.29	+ 0 52.0	1.830	2.796	5.6	18.6
3 12	9 43.88	+ 0 52.2	1.897	2.822	9.0	18.8
3 22	9 36.66	+ 0 54.6	1.990	2.847	12.2	19.1

428412 2007 TX_{97} 2 18.9 355°.96 7°.4/26.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 23.73	−12 24.5	1.855	2.554	18.3	21.0
1 22	10 21.80	−12 25.7	1.760	2.551	15.9	20.8
2 1	10 17.67	−11 57.2	1.683	2.548	13.1	20.6
2 11	10 11.84	−10 57.1	1.627	2.546	10.1	20.4
2 21	10 5.10	− 9 27.2	1.595	2.545	7.8	20.3
3 2	9 58.43	− 7 33.2	1.590	2.545	7.6	20.3
3 12	9 52.83	− 5 25.0	1.612	2.545	9.7	20.4
3 22	9 49.07	− 3 13.6	1.660	2.546	12.7	20.6

109335 2001 QP_{143} 2 18.9 197°.19 1°.4/20.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 27.61	+ 3 43.5	2.381	3.139	13.1	20.9
1 22	10 24.19	+ 4 12.2	2.285	3.138	10.5	20.7
2 1	10 18.94	+ 4 55.9	2.212	3.138	7.3	20.5
2 11	10 12.32	+ 5 52.1	2.166	3.137	3.9	20.3
2 21	10 5.00	+ 6 56.6	2.150	3.136	1.4	20.1
3 2	9 57.74	+ 8 4.1	2.163	3.135	4.2	20.3
3 12	9 51.35	+ 9 8.9	2.205	3.134	7.7	20.5
3 22	9 46.45	+10 6.4	2.274	3.133	10.8	20.7

399657 2004 RJ_{183} 2 18.9 165°.04 0°.0/18.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 36.78	+ 9 28.2	2.022	2.794	14.7	22.2
1 22	10 31.59	+ 9 49.4	1.935	2.800	11.6	22.0
2 1	10 24.01	+10 22.8	1.871	2.806	7.8	21.8
2 11	10 14.66	+11 4.5	1.834	2.811	3.5	21.5
2 21	10 4.41	+11 49.3	1.827	2.815	0.9	21.3
3 2	9 54.34	+12 31.6	1.850	2.818	5.3	21.6
3 12	9 45.51	+13 6.5	1.901	2.821	9.3	21.9
3 22	9 38.69	+13 31.0	1.978	2.822	12.9	22.1

294306 2007 VO_{25} 2 18.9 248°.01 4°.1/15.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 12	10 33.45	+18 12.4	1.713	2.523	15.4	20.9
1 22	10 29.72	+19 18.9	1.625	2.514	12.0	20.7
2 1	10 23.18	+20 35.3	1.560	2.505	8.1	20.4
2 11	10 14.44	+21 53.6	1.521	2.495	4.7	20.2
2 21	10 4.46	+23 4.3	1.510	2.485	4.9	20.2
3 2	9 54.55	+23 59.1	1.527	2.475	8.5	20.4
3 12	9 46.03	+24 32.8	1.569	2.464	12.6	20.6
3 22	9 39.88	+24 44.1	1.633	2.454	16.2	20.8

225175 2008 HG_{11} 2 18.9 185°.44 3°.5/22.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 29.94	− 3 10.6	2.431	3.149	13.9	21.5
1 22	10 25.97	− 2 54.8	2.329	3.149	11.5	21.3
2 1	10 20.12	− 2 20.3	2.250	3.149	8.7	21.1
2 11	10 12.87	− 1 28.2	2.196	3.148	5.7	21.0
2 21	10 4.87	− 0 21.5	2.171	3.146	3.6	20.8
3 2	9 56.92	+ 0 54.9	2.177	3.144	4.7	20.9
3 12	9 49.83	+ 2 14.9	2.212	3.141	7.6	21.1
3 22	9 44.25	+ 3 32.3	2.274	3.138	10.6	21.2

427430 2000 SM_{343} 2 18.9 231°.10 3°.4/23.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 27.14	− 3 42.3	2.843	3.554	12.3	21.9
1 22	10 23.58	− 3 28.3	2.730	3.544	10.2	21.7
2 1	10 18.43	− 2 58.0	2.639	3.534	7.8	21.5
2 11	10 12.08	− 2 12.0	2.575	3.523	5.2	21.3
2 21	10 5.08	− 1 12.8	2.540	3.512	3.5	21.2
3 2	9 58.06	− 0 4.1	2.535	3.501	4.3	21.2
3 12	9 51.73	+ 1 9.0	2.560	3.489	6.8	21.4
3 22	9 46.62	+ 2 21.5	2.613	3.477	9.4	21.5

280755 2005 QN_{70} 2 19.0 165°.12 1°.2/19.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 34.35	+ 4 43.4	1.770	2.539	16.6	21.3
1 22	10 30.07	+ 5 18.3	1.684	2.545	13.2	21.0
2 1	10 23.21	+ 6 12.6	1.619	2.549	9.1	20.8
2 11	10 14.37	+ 7 22.6	1.580	2.553	4.6	20.5
2 21	10 4.51	+ 8 41.8	1.569	2.557	1.3	20.3
3 2	9 54.78	+10 2.1	1.588	2.559	5.5	20.6
3 12	9 46.38	+11 15.6	1.634	2.561	10.0	20.9
3 22	9 40.16	+12 16.7	1.705	2.562	14.0	21.1

4187 Shulnazaria 2 19.0 321°.88 0°.3/19.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 28.39	+ 8 32.1	2.040	2.825	14.2	17.4
1 22	10 25.19	+ 8 51.6	1.944	2.816	11.2	17.2
2 1	10 19.82	+ 9 24.3	1.870	2.807	7.6	16.9
2 11	10 12.81	+10 6.9	1.822	2.799	3.5	16.7
2 21	10 4.90	+10 54.6	1.803	2.791	0.8	16.4
3 2	9 57.05	+11 42.0	1.813	2.784	5.0	16.7
3 12	9 50.22	+12 23.5	1.849	2.776	9.1	17.0
3 22	9 45.17	+12 55.4	1.911	2.769	12.6	17.2

245099 2004 PQ_{37} 2 19.0 251°.38 0°.2/19.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 35.09	+10 17.5	2.124	2.899	14.0	20.8
1 22	10 30.36	+10 16.5	2.019	2.885	11.1	20.6
2 1	10 23.29	+10 25.2	1.936	2.871	7.5	20.4
2 11	10 14.41	+10 40.8	1.880	2.857	3.5	20.1
2 21	10 4.50	+10 59.7	1.854	2.842	0.8	19.8
3 2	9 54.60	+11 17.6	1.857	2.827	5.1	20.1
3 12	9 45.75	+11 30.6	1.889	2.811	9.2	20.3
3 22	9 38.78	+11 36.1	1.946	2.795	12.8	20.5

460648 2014 UT_{126} 2 19.0 342°.61 5°.9/23.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 31.29	− 3 23.7	1.688	2.431	18.3	21.0
1 22	10 27.88	− 4 1.8	1.598	2.429	15.3	20.8
2 1	10 21.86	− 4 18.5	1.527	2.428	11.9	20.6
2 11	10 13.82	− 4 12.2	1.479	2.426	8.3	20.4
2 21	10 4.65	− 3 44.2	1.456	2.425	6.0	20.2
3 2	9 55.56	− 2 58.5	1.460	2.424	7.0	20.3
3 12	9 47.74	− 2 2.4	1.490	2.423	10.3	20.4
3 22	9 42.11	− 1 3.6	1.543	2.422	14.0	20.7

159368 1979 QB 2 19.0 121°.63 0°.3/18.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 38.79	+10 4.4	2.259	3.021	13.7	22.0
1 22	10 32.67	+10 37.0	2.189	3.049	10.6	21.8
2 1	10 24.45	+11 19.8	2.142	3.076	7.0	21.6
2 11	10 14.77	+12 8.6	2.124	3.101	3.1	21.4
2 21	10 4.47	+12 58.2	2.137	3.125	1.0	21.3
3 2	9 54.50	+13 43.3	2.182	3.148	4.8	21.6
3 12	9 45.77	+14 20.1	2.257	3.170	8.4	21.9
3 22	9 38.91	+14 46.2	2.357	3.191	11.4	22.1

92707 2000 QM_{84} 2 19.0 176°.23 1°.1/19.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 36.90	+ 7 8.1	2.008	2.772	15.1	20.0
1 22	10 31.74	+ 7 11.7	1.917	2.775	12.0	19.8
2 1	10 24.18	+ 7 28.4	1.847	2.777	8.3	19.5
2 11	10 14.78	+ 7 55.5	1.805	2.779	4.1	19.3
2 21	10 4.45	+ 8 28.8	1.792	2.779	1.2	19.1
3 2	9 54.25	+ 9 3.5	1.808	2.779	5.1	19.3
3 12	9 45.27	+ 9 34.6	1.854	2.778	9.2	19.6
3 22	9 38.30	+ 9 58.6	1.924	2.777	12.8	19.8

38333 1999 RE_{132} 2 19.0 49°.96 2°.6/21.2 18 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 12	10 30.36	+ 2 43.8	1.872	2.637	16.0	18.2
1 22	10 26.79	+ 2 42.6	1.788	2.642	12.9	18.0
2 1	10 20.91	+ 2 58.9	1.724	2.648	9.2	17.8
2 11	10 13.30	+ 3 30.7	1.686	2.653	5.3	17.6
2 21	10 4.83	+ 4 14.4	1.675	2.659	2.6	17.4
3 2	9 56.52	+ 5 4.4	1.692	2.665	5.2	17.6
3 12	9 49.40	+ 5 54.5	1.737	2.671	9.0	17.8
3 22	9 44.22	+ 6 39.3	1.806	2.677	12.6	18.1

412100 2013 FT_{25} 2 19.0 299°.76 1°.5/17.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 28.09	+ 9 0.3	1.466	2.275	17.6	20.9
1 22	10 25.94	+10 14.6	1.375	2.262	13.8	20.7
2 1	10 20.90	+11 52.4	1.304	2.250	9.2	20.4
2 11	10 13.52	+13 46.9	1.258	2.238	4.1	20.0
2 21	10 4.75	+15 47.5	1.240	2.226	2.4	19.9
3 2	9 55.94	+17 41.3	1.248	2.214	7.6	20.2
3 12	9 48.53	+19 17.4	1.282	2.203	12.8	20.4
3 22	9 43.58	+20 29.4	1.338	2.192	17.2	20.6

801 Helwerthia 2 19.0 350°.30 5°.3/23.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 26.50	− 5 40.6	1.671	2.413	18.5	15.5
1 22	10 24.18	− 5 30.9	1.579	2.410	15.5	15.3
2 1	10 19.40	− 4 53.2	1.507	2.408	12.0	15.1
2 11	10 12.71	− 3 47.1	1.457	2.406	8.2	14.8
2 21	10 4.97	− 2 16.3	1.432	2.405	5.5	14.7
3 2	9 57.30	− 0 28.6	1.435	2.404	6.4	14.7
3 12	9 50.84	+ 1 25.6	1.464	2.403	9.9	14.9
3 22	9 46.46	+ 3 15.7	1.518	2.403	13.8	15.1

372461 2009 SV_{138} 2 19.0 134°.38 3°.4/16.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 33.72	+19 7.0	2.086	2.886	13.4	21.2
1 22	10 29.21	+19 53.6	2.009	2.892	10.3	21.0
2 1	10 22.42	+20 45.5	1.956	2.898	7.0	20.8
2 11	10 13.96	+21 36.3	1.930	2.903	4.0	20.6
2 21	10 4.69	+22 19.7	1.933	2.909	3.9	20.6
3 2	9 55.65	+22 50.5	1.966	2.914	6.9	20.8
3 12	9 47.84	+23 5.5	2.025	2.919	10.2	21.0
3 22	9 41.98	+23 4.4	2.108	2.923	13.2	21.2

206249 2002 XP_{42} 2 19.0 26°.21 2°.8/16.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 30.99	+17 27.0	1.920	2.727	14.1	19.6
1 22	10 27.25	+18 1.5	1.846	2.733	10.9	19.4
2 1	10 21.17	+18 42.4	1.795	2.739	7.2	19.2
2 11	10 13.40	+19 24.0	1.770	2.746	3.7	19.0
2 21	10 4.83	+20 0.0	1.773	2.754	3.3	19.0
3 2	9 56.52	+20 25.3	1.805	2.761	6.7	19.2
3 12	9 49.49	+20 36.5	1.863	2.770	10.3	19.4
3 22	9 44.46	+20 32.9	1.944	2.778	13.5	19.6

494668 2002 AH_{19} 2 19.0 33°.94 21°.8/29.9 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 38.88	−20 35.0	1.036	1.727	30.4	20.1
1 22	10 35.83	−24 16.4	0.978	1.731	28.2	19.9
2 1	10 28.44	−27 24.3	0.932	1.736	25.8	19.7
2 11	10 17.29	−29 42.5	0.900	1.742	23.7	19.6
2 21	10 3.77	−30 57.8	0.883	1.748	22.2	19.5
3 2	9 50.11	−31 4.6	0.883	1.755	21.8	19.5
3 12	9 38.74	−30 10.3	0.898	1.763	22.4	19.6
3 22	9 31.37	−28 31.1	0.928	1.770	24.0	19.7

523681 2014 BV_{64} 2 19.0 264°.27 0°.3/23.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 8.99	− 2 26.0	46.596	47.289	0.9	21.6
1 22	10 8.43	− 2 25.0	46.486	47.286	0.7	21.5
2 1	10 7.80	− 2 23.1	46.400	47.282	0.5	21.5
2 11	10 7.12	− 2 20.5	46.342	47.278	0.4	21.5
2 21	10 6.42	− 2 17.2	46.312	47.275	0.3	21.5
3 2	10 5.72	− 2 13.4	46.313	47.271	0.3	21.5
3 12	10 5.06	− 2 9.3	46.343	47.268	0.4	21.5
3 22	10 4.45	− 2 4.9	46.402	47.264	0.6	21.5

289960 2005 NU_{75} 2 19.0 188°.83 1°.4/20.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 29.63	+ 5 1.1	2.869	3.617	11.4	21.3
1 22	10 25.41	+ 5 6.2	2.769	3.617	9.1	21.1
2 1	10 19.59	+ 5 21.7	2.693	3.616	6.3	20.9
2 11	10 12.61	+ 5 46.0	2.645	3.614	3.4	20.7
2 21	10 5.03	+ 6 16.4	2.626	3.612	1.4	20.6
3 2	9 57.52	+ 6 49.7	2.639	3.610	3.7	20.7
3 12	9 50.74	+ 7 22.2	2.682	3.608	6.6	20.9
3 22	9 45.24	+ 7 50.9	2.751	3.605	9.4	21.1

171962 2001 TP_{82} 2 19.0 59°.38 3°.5/22.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 28.56	− 0 49.8	2.262	3.001	14.3	20.3
1 22	10 25.00	− 0 54.9	2.172	3.007	11.7	20.1
2 1	10 19.52	− 0 43.4	2.104	3.012	8.7	19.9
2 11	10 12.63	− 0 16.1	2.061	3.018	5.6	19.7
2 21	10 5.03	+ 0 24.4	2.046	3.023	3.5	19.6
3 2	9 57.55	+ 1 13.8	2.060	3.029	4.8	19.7
3 12	9 51.01	+ 2 6.8	2.103	3.035	7.8	19.9
3 22	9 46.05	+ 2 58.1	2.171	3.041	10.9	20.1

229904 2009 WO_{19} 2 19.0 275°.92 5°.1/14.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 12	10 31.49	+22 10.0	1.944	2.756	13.8	20.1
1 22	10 27.93	+23 25.8	1.857	2.745	10.8	19.9
2 1	10 21.86	+24 47.4	1.794	2.734	7.6	19.7
2 11	10 13.83	+26 6.5	1.757	2.723	5.3	19.5
2 21	10 4.72	+27 14.6	1.749	2.712	5.9	19.5
3 2	9 55.67	+28 4.4	1.769	2.701	8.8	19.7
3 12	9 47.85	+28 32.0	1.814	2.690	12.2	19.9
3 22	9 42.13	+28 37.1	1.880	2.678	15.3	20.1

105935 2000 SP_{224} 2 19.0 318°.40 1°.2/17.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 29.70	+15 40.0	2.872	3.656	10.5	19.0
1 22	10 25.52	+15 48.0	2.772	3.647	8.1	18.8
2 1	10 19.69	+16 0.4	2.697	3.637	5.4	18.6
2 11	10 12.67	+16 14.2	2.650	3.628	2.5	18.4
2 21	10 5.04	+16 26.3	2.634	3.619	1.6	18.3
3 2	9 57.48	+16 33.7	2.648	3.610	4.4	18.5
3 12	9 50.70	+16 34.2	2.691	3.601	7.3	18.7
3 22	9 45.25	+16 26.6	2.760	3.592	10.0	18.8

23817 Gokulk 2 19.0 202°.70 1°.7/17.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 36.07	+14 46.9	2.009	2.797	14.2	18.7
1 22	10 31.20	+15 11.3	1.918	2.794	11.1	18.4
2 1	10 23.87	+15 44.0	1.850	2.790	7.4	18.2
2 11	10 14.69	+16 20.0	1.809	2.786	3.4	17.9
2 21	10 4.53	+16 53.8	1.797	2.782	2.3	17.9
3 2	9 54.51	+17 20.0	1.815	2.777	6.1	18.1
3 12	9 45.71	+17 34.8	1.860	2.771	10.0	18.3
3 22	9 38.97	+17 36.7	1.930	2.765	13.5	18.5

249210 2008 DN_{67} 2 19.0 179°.26 1°.4/20.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 28.69	+ 5 23.0	2.702	3.458	11.8	20.5
1 22	10 24.79	+ 5 26.3	2.606	3.458	9.4	20.3
2 1	10 19.23	+ 5 40.3	2.533	3.458	6.6	20.1
2 11	10 12.47	+ 6 3.3	2.488	3.458	3.5	19.9
2 21	10 5.09	+ 6 32.5	2.472	3.458	1.4	19.8
3 2	9 57.80	+ 7 4.5	2.487	3.458	3.8	19.9
3 12	9 51.29	+ 7 35.6	2.531	3.458	6.9	20.1
3 22	9 46.12	+ 8 2.6	2.601	3.458	9.7	20.3

405169 2002 VO_{56} 2 19.0 73°.27 1°.6/20.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 34.58	+ 3 49.5	1.713	2.481	17.2	21.7
1 22	10 29.95	+ 4 20.8	1.656	2.515	13.5	21.6
2 1	10 22.88	+ 5 10.8	1.620	2.549	9.3	21.4
2 11	10 14.13	+ 6 15.2	1.610	2.582	4.8	21.2
2 21	10 4.71	+ 7 27.3	1.628	2.615	1.6	21.1
3 2	9 55.77	+ 8 39.5	1.675	2.647	5.2	21.4
3 12	9 48.32	+ 9 44.9	1.750	2.679	9.3	21.7
3 22	9 43.04	+10 38.6	1.849	2.711	12.8	22.0

229309 2005 EF_{196} 2 19.0 174°.81 2°.2/20.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 32.17	+ 2 35.3	1.988	2.744	15.5	21.2
1 22	10 28.13	+ 2 51.7	1.896	2.746	12.5	21.0
2 1	10 21.80	+ 3 26.0	1.826	2.748	8.9	20.8
2 11	10 13.74	+ 4 15.9	1.781	2.749	4.9	20.6
2 21	10 4.78	+ 5 17.2	1.765	2.750	2.2	20.4
3 2	9 55.90	+ 6 23.6	1.778	2.750	5.0	20.6
3 12	9 48.15	+ 7 28.4	1.819	2.750	8.9	20.8
3 22	9 42.29	+ 8 26.0	1.886	2.749	12.6	21.0

85038 4313 *P–L* 2 19.0 252°.83 4°.3/22.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 29.89	− 3 8.4	2.052	2.784	15.8	20.2
1 22	10 26.46	− 3 6.9	1.942	2.770	13.2	20.0
2 1	10 20.78	− 2 44.4	1.853	2.756	10.0	19.8
2 11	10 13.34	− 2 0.8	1.789	2.741	6.7	19.6
2 21	10 4.86	− 0 58.6	1.752	2.726	4.4	19.4
3 2	9 56.31	+ 0 17.1	1.743	2.711	5.6	19.4
3 12	9 48.71	+ 1 39.0	1.763	2.695	9.0	19.6
3 22	9 42.89	+ 2 59.6	1.808	2.680	12.6	19.8

397815 2008 RA_{107} 2 19.0 143°.88 2°.6/17.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 38.80	+16 7.0	1.693	2.490	16.1	21.9
1 22	10 33.64	+16 41.3	1.617	2.498	12.5	21.7
2 1	10 25.63	+17 24.2	1.564	2.507	8.3	21.4
2 11	10 15.50	+18 9.1	1.537	2.514	4.1	21.2
2 21	10 4.36	+18 48.6	1.539	2.521	3.2	21.2
3 2	9 53.54	+19 16.5	1.569	2.528	7.2	21.4
3 12	9 44.33	+19 29.0	1.625	2.534	11.4	21.7
3 22	9 37.61	+19 25.4	1.705	2.539	15.1	21.9

222309 2000 SJ_{299} 2 19.0 108°.30 0°.7/19.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 33.08	+ 8 0.8	1.989	2.764	14.8	20.5
1 22	10 28.74	+ 8 7.8	1.906	2.772	11.7	20.3
2 1	10 22.13	+ 8 27.4	1.846	2.780	8.0	20.1
2 11	10 13.86	+ 8 56.6	1.812	2.787	3.8	19.9
2 21	10 4.77	+ 9 30.9	1.806	2.794	1.0	19.7
3 2	9 55.88	+10 5.4	1.830	2.801	5.0	20.0
3 12	9 48.19	+10 35.4	1.882	2.808	8.9	20.2
3 22	9 42.42	+10 57.4	1.958	2.815	12.4	20.4

399675 2004 SO_{38} 2 19.0 136°.19 2°.8/16.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 12	10 38.62	+16 57.3	1.864	2.657	15.0	21.9
1 22	10 33.19	+17 39.3	1.792	2.671	11.6	21.7
2 1	10 25.16	+18 28.6	1.742	2.683	7.7	21.5
2 11	10 15.24	+19 18.5	1.720	2.696	3.9	21.3
2 21	10 4.44	+20 2.0	1.727	2.707	3.4	21.3
3 2	9 53.98	+20 33.2	1.763	2.718	7.0	21.5
3 12	9 45.01	+20 48.9	1.826	2.728	10.7	21.8
3 22	9 38.31	+20 48.6	1.913	2.737	14.1	22.0

47084 1999 AQ 2 19.0 79°.86 2°.3/16.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 29.22	+14 27.4	2.123	2.921	13.3	18.9
1 22	10 25.67	+15 35.5	2.049	2.932	10.2	18.7
2 1	10 20.03	+16 53.3	1.999	2.943	6.7	18.6
2 11	10 12.89	+18 14.5	1.977	2.954	3.3	18.4
2 21	10 5.01	+19 32.0	1.984	2.965	3.0	18.4
3 2	9 57.33	+20 39.3	2.021	2.976	6.2	18.6
3 12	9 50.73	+21 31.5	2.085	2.987	9.6	18.8
3 22	9 45.88	+22 6.7	2.174	2.998	12.6	19.0

261191 2005 TN_{149} 2 19.0 61°.74 1°.1/18.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 30.95	+11 13.8	1.757	2.555	15.6	20.8
1 22	10 27.42	+11 54.6	1.681	2.562	12.1	20.6
2 1	10 21.42	+12 48.9	1.626	2.569	8.0	20.4
2 11	10 13.58	+13 51.1	1.598	2.576	3.6	20.1
2 21	10 4.84	+14 54.1	1.597	2.584	1.8	20.0
3 2	9 56.32	+15 50.7	1.625	2.591	6.1	20.3
3 12	9 49.13	+16 35.3	1.679	2.599	10.3	20.6
3 22	9 44.05	+17 4.6	1.757	2.607	14.0	20.8

210754 2000 VF_{57} 2 19.0 42°.97 5°.5/16.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 37.92	+20 33.9	1.116	1.950	20.3	19.1
1 22	10 33.76	+21 26.9	1.078	1.979	15.6	18.9
2 1	10 25.92	+22 25.0	1.060	2.008	10.6	18.7
2 11	10 15.58	+23 16.6	1.064	2.038	6.3	18.6
2 21	10 4.40	+23 51.4	1.093	2.068	6.2	18.7
3 2	9 54.19	+24 3.1	1.147	2.099	10.1	19.0
3 12	9 46.46	+23 50.7	1.223	2.131	14.4	19.3
3 22	9 41.96	+23 17.3	1.319	2.163	18.1	19.6

212753 2007 TE_{11} 2 19.0 160°.10 0°.3/18.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 34.53	+ 9 47.6	1.859	2.642	15.4	20.9
1 22	10 30.10	+10 16.3	1.775	2.647	12.1	20.7
2 1	10 23.18	+10 58.6	1.713	2.651	8.1	20.5
2 11	10 14.38	+11 49.8	1.678	2.655	3.6	20.2
2 21	10 4.64	+12 44.0	1.671	2.659	1.1	20.0
3 2	9 55.07	+13 34.7	1.693	2.662	5.7	20.3
3 12	9 46.79	+14 16.1	1.743	2.664	9.9	20.6
3 22	9 40.63	+14 45.2	1.817	2.666	13.6	20.8

288502 2004 FM_{85} 2 19.0 312°.81 7°.5/13.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 35.82	+27 39.8	1.640	2.459	15.6	20.6
1 22	10 31.81	+28 48.9	1.565	2.452	12.5	20.4
2 1	10 24.69	+29 58.1	1.512	2.445	9.4	20.2
2 11	10 15.18	+30 57.1	1.485	2.439	7.6	20.0
2 21	10 4.44	+31 36.0	1.483	2.433	8.3	20.1
3 2	9 53.96	+31 48.4	1.507	2.427	11.1	20.2
3 12	9 45.20	+31 32.8	1.555	2.421	14.4	20.4
3 22	9 39.14	+30 52.1	1.623	2.416	17.5	20.6

235598 2004 PB_{50} 2 19.0 247°.89 1°.7/17.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 37.56	+14 13.3	1.666	2.462	16.4	20.7
1 22	10 33.04	+14 32.7	1.569	2.449	12.9	20.5
2 1	10 25.52	+15 2.7	1.494	2.436	8.7	20.2
2 11	10 15.60	+15 37.9	1.444	2.422	4.0	19.9
2 21	10 4.32	+16 11.8	1.422	2.408	2.4	19.7
3 2	9 53.04	+16 37.6	1.429	2.393	7.0	20.0
3 12	9 43.20	+16 50.6	1.461	2.378	11.8	20.2
3 22	9 35.86	+16 48.8	1.517	2.363	16.0	20.4

205856 2002 EF_{78} 2 19.0 272°.50 3°.5/21.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 30.05	+ 0 1.5	1.681	2.443	17.6	20.1
1 22	10 27.09	+ 0 8.8	1.579	2.430	14.5	19.8
2 1	10 21.49	+ 0 39.1	1.497	2.416	10.7	19.6
2 11	10 13.76	+ 1 31.9	1.438	2.402	6.5	19.3
2 21	10 4.77	+ 2 43.3	1.406	2.388	3.5	19.1
3 2	9 55.70	+ 4 6.3	1.401	2.374	5.9	19.2
3 12	9 47.82	+ 5 31.6	1.423	2.360	10.4	19.4
3 22	9 42.11	+ 6 50.8	1.469	2.346	14.7	19.6

229207 2004 VW_{29} 2 19.0 262°.24 5°.8/13.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 33.49	+25 41.3	2.106	2.914	13.0	20.8
1 22	10 29.37	+26 52.3	2.017	2.900	10.3	20.6
2 1	10 22.77	+28 5.6	1.953	2.886	7.6	20.4
2 11	10 14.25	+29 13.1	1.915	2.872	5.9	20.3
2 21	10 4.68	+30 6.9	1.906	2.857	6.6	20.3
3 2	9 55.16	+30 40.9	1.924	2.843	9.1	20.4
3 12	9 46.84	+30 52.3	1.968	2.828	12.1	20.6
3 22	9 40.57	+30 41.7	2.033	2.813	14.9	20.7

253154 2002 VB_{103} 2 19.0 105°.26 0°.9/19.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 12	10 35.66	+ 6 35.8	2.070	2.832	14.7	21.9
1 22	10 30.48	+ 6 53.3	1.999	2.857	11.6	21.7
2 1	10 23.13	+ 7 24.3	1.952	2.882	7.9	21.5
2 11	10 14.25	+ 8 5.3	1.932	2.905	3.9	21.3
2 21	10 4.72	+ 8 51.4	1.941	2.929	1.1	21.1
3 2	9 55.51	+ 9 37.4	1.980	2.951	4.7	21.4
3 12	9 47.56	+10 18.4	2.048	2.973	8.5	21.7
3 22	9 41.51	+10 50.9	2.142	2.994	11.7	21.9

12151 Oranje–Nassau 2 19.0 358°.46 0°.9/19.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 29.90	+ 8 14.2	1.281	2.094	19.5	17.5
1 22	10 27.55	+ 8 14.8	1.204	2.091	15.4	17.3
2 1	10 22.03	+ 8 33.9	1.146	2.089	10.6	17.0
2 11	10 14.04	+ 9 7.8	1.111	2.088	5.1	16.7
2 21	10 4.74	+ 9 50.2	1.100	2.088	1.2	16.4
3 2	9 55.64	+10 33.3	1.114	2.089	6.7	16.7
3 12	9 48.26	+11 9.3	1.153	2.091	12.1	17.0
3 22	9 43.63	+11 33.1	1.212	2.093	16.8	17.3

402742 2006 XG_{6} 2 19.0 75°.44 1°.4/20.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 35.27	+ 3 48.4	1.811	2.572	16.6	21.1
1 22	10 30.33	+ 4 23.3	1.755	2.610	13.0	21.0
2 1	10 23.06	+ 5 16.0	1.721	2.648	8.9	20.8
2 11	10 14.22	+ 6 22.2	1.713	2.685	4.6	20.6
2 21	10 4.76	+ 7 35.2	1.734	2.721	1.5	20.5
3 2	9 55.78	+ 8 47.9	1.784	2.756	5.0	20.8
3 12	9 48.25	+ 9 53.6	1.863	2.791	8.9	21.1
3 22	9 42.80	+10 47.9	1.967	2.825	12.3	21.4

155235 2005 WX_{17} 2 19.0 335°.37 6°.1/13.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 31.46	+23 39.0	1.686	2.508	15.1	19.7
1 22	10 28.25	+24 55.4	1.610	2.503	11.8	19.4
2 1	10 22.24	+26 16.4	1.557	2.498	8.5	19.2
2 11	10 14.07	+27 32.2	1.530	2.493	6.3	19.1
2 21	10 4.77	+28 33.3	1.529	2.489	7.0	19.1
3 2	9 55.66	+29 12.2	1.554	2.485	10.0	19.3
3 12	9 48.03	+29 25.6	1.604	2.481	13.4	19.5
3 22	9 42.80	+29 14.3	1.674	2.478	16.6	19.7

27584 Barbaravelez 2 19.0 67°.08 0°.2/18.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 34.25	+10 31.2	1.803	2.590	15.7	18.9
1 22	10 29.75	+10 43.5	1.735	2.609	12.2	18.7
2 1	10 22.82	+11 7.3	1.690	2.629	8.1	18.5
2 11	10 14.18	+11 38.5	1.670	2.648	3.7	18.3
2 21	10 4.78	+12 11.8	1.679	2.667	1.0	18.1
3 2	9 55.75	+12 41.9	1.717	2.687	5.4	18.5
3 12	9 48.14	+13 4.3	1.782	2.706	9.5	18.7
3 22	9 42.64	+13 16.7	1.871	2.725	13.0	19.0

29162 1989 SD_{4} 2 19.0 10°.16 9°.3/12.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 39.03	+33 3.8	1.651	2.464	15.8	17.7
1 22	10 34.34	+34 18.6	1.588	2.464	13.0	17.5
2 1	10 26.36	+35 27.5	1.547	2.465	10.5	17.4
2 11	10 15.92	+36 19.1	1.530	2.466	9.3	17.3
2 21	10 4.34	+36 44.2	1.539	2.467	10.1	17.3
3 2	9 53.25	+36 37.7	1.573	2.468	12.4	17.5
3 12	9 44.11	+36 0.4	1.629	2.469	15.2	17.7
3 22	9 37.87	+34 57.4	1.705	2.471	17.9	17.9

91118 1998 HU_{88} 2 19.0 313°.37 2°.3/20.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 29.74	+ 3 20.8	1.885	2.653	15.8	20.0
1 22	10 26.42	+ 3 25.4	1.791	2.648	12.7	19.7
2 1	10 20.78	+ 3 47.3	1.718	2.644	9.1	19.5
2 11	10 13.35	+ 4 24.8	1.671	2.640	5.1	19.2
2 21	10 4.96	+ 5 13.8	1.651	2.636	2.3	19.1
3 2	9 56.63	+ 6 8.8	1.659	2.632	5.2	19.2
3 12	9 49.42	+ 7 3.1	1.694	2.628	9.2	19.5
3 22	9 44.14	+ 7 51.2	1.754	2.625	13.0	19.7

397841 2008 SY_{271} 2 19.0 140°.26 0°.4/19.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 36.36	+ 8 19.2	1.773	2.551	16.3	22.4
1 22	10 31.58	+ 8 39.0	1.694	2.561	12.8	22.1
2 1	10 24.20	+ 9 13.5	1.636	2.571	8.7	21.9
2 11	10 14.87	+ 9 58.5	1.604	2.581	4.0	21.7
2 21	10 4.60	+10 48.2	1.601	2.589	0.9	21.4
3 2	9 54.58	+11 36.3	1.627	2.597	5.6	21.8
3 12	9 45.97	+12 16.8	1.680	2.605	10.0	22.1
3 22	9 39.59	+12 46.2	1.758	2.612	13.8	22.3

260924 2005 RO_{31} 2 19.0 195°.25 5°.2/23.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 33.95	− 4 36.7	2.337	3.042	14.8	21.0
1 22	10 29.23	− 5 10.4	2.234	3.040	12.4	20.8
2 1	10 22.43	− 5 27.4	2.153	3.037	9.7	20.6
2 11	10 14.05	− 5 26.8	2.097	3.034	7.0	20.4
2 21	10 4.80	− 5 9.3	2.068	3.030	5.2	20.3
3 2	9 55.56	− 4 37.6	2.069	3.026	5.9	20.4
3 12	9 47.24	− 3 56.3	2.099	3.021	8.4	20.5
3 22	9 40.58	− 3 10.9	2.154	3.015	11.3	20.7

379061 2008 WY_{73} 2 19.0 79°.61 1°.8/17.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 12	10 32.40	+14 37.0	2.210	2.999	13.1	21.1
1 22	10 27.88	+15 20.2	2.146	3.024	10.0	20.9
2 1	10 21.37	+16 10.8	2.107	3.049	6.6	20.7
2 11	10 13.46	+17 3.6	2.096	3.073	3.1	20.6
2 21	10 4.97	+17 52.9	2.114	3.098	2.3	20.5
3 2	9 56.80	+18 33.8	2.163	3.122	5.5	20.8
3 12	9 49.79	+19 3.0	2.239	3.145	8.8	21.0
3 22	9 44.52	+19 18.9	2.340	3.169	11.6	21.3

500347 2012 TY_{1} 2 19.0 141°.91 0°.1/19.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 29.93	+ 8 58.0	2.638	3.406	11.8	23.0
1 22	10 25.77	+ 9 24.1	2.551	3.414	9.2	22.8
2 1	10 19.91	+10 0.1	2.487	3.422	6.2	22.6
2 11	10 12.82	+10 42.9	2.452	3.429	2.8	22.4
2 21	10 5.12	+11 28.4	2.448	3.436	0.7	22.2
3 2	9 57.56	+12 12.4	2.473	3.442	4.1	22.5
3 12	9 50.84	+12 51.1	2.529	3.449	7.3	22.7
3 22	9 45.54	+13 21.7	2.610	3.455	10.1	22.9

313863 2004 FT_{122} 2 19.0 281°.06 8°.5/16.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 55.45	+29 26.7	1.134	1.946	21.5	20.2
1 22	10 48.65	+29 37.1	1.058	1.941	17.5	19.9
2 1	10 36.79	+29 40.4	1.002	1.935	13.0	19.6
2 11	10 20.92	+29 22.4	0.967	1.929	9.3	19.4
2 21	10 3.13	+28 32.1	0.958	1.923	9.0	19.3
3 2	9 46.15	+27 6.0	0.974	1.918	12.8	19.5
3 12	9 32.43	+25 10.3	1.014	1.912	17.6	19.8
3 22	9 23.29	+22 56.2	1.074	1.907	22.1	20.0

255870 2006 SW_{196} 2 19.0 358°.76 0°.8/18.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 30.50	+13 51.1	1.124	1.959	20.2	19.3
1 22	10 28.45	+13 31.2	1.053	1.953	15.9	19.0
2 1	10 22.85	+13 22.2	0.999	1.950	10.7	18.7
2 11	10 14.48	+13 19.6	0.968	1.948	4.8	18.4
2 21	10 4.70	+13 17.7	0.960	1.948	1.7	18.2
3 2	9 55.24	+13 10.7	0.976	1.950	7.7	18.5
3 12	9 47.81	+12 54.5	1.014	1.953	13.3	18.9
3 22	9 43.47	+12 27.2	1.073	1.959	18.1	19.2

433089 2012 TB_{86} 2 19.0 194°.76 2°.8/22.0 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 29.74	+ 0 17.1	2.746	3.475	12.3	21.7
1 22	10 25.61	+ 0 12.0	2.643	3.473	10.0	21.6
2 1	10 19.82	+ 0 20.0	2.564	3.471	7.4	21.4
2 11	10 12.80	+ 0 40.4	2.511	3.468	4.6	21.2
2 21	10 5.12	+ 1 11.0	2.488	3.466	2.8	21.1
3 2	9 57.50	+ 1 48.6	2.495	3.463	4.1	21.2
3 12	9 50.62	+ 2 29.3	2.531	3.459	6.9	21.3
3 22	9 45.08	+ 3 9.0	2.594	3.455	9.6	21.5

208272 2000 YX_{25} 2 19.0 79°.30 3°.0/16.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 35.39	+15 24.9	1.541	2.350	16.9	20.2
1 22	10 31.10	+16 21.5	1.482	2.369	13.0	20.0
2 1	10 23.96	+17 28.8	1.444	2.389	8.6	19.8
2 11	10 14.76	+18 38.3	1.432	2.409	4.2	19.6
2 21	10 4.67	+19 41.2	1.447	2.428	3.7	19.6
3 2	9 55.03	+20 29.8	1.490	2.448	7.6	19.9
3 12	9 47.11	+20 59.8	1.558	2.467	11.8	20.1
3 22	9 41.70	+21 10.3	1.649	2.486	15.4	20.4

392873 2012 UN_{114} 2 19.0 167°.73 0°.5/18.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 37.08	+10 37.9	1.458	2.255	18.3	21.3
1 22	10 32.82	+10 55.7	1.378	2.257	14.4	21.1
2 1	10 25.41	+11 28.7	1.318	2.259	9.7	20.8
2 11	10 15.56	+12 11.9	1.283	2.261	4.4	20.5
2 21	10 4.44	+12 58.2	1.274	2.262	1.4	20.3
3 2	9 53.55	+13 39.8	1.293	2.263	6.8	20.6
3 12	9 44.35	+14 10.5	1.338	2.263	11.9	20.9
3 22	9 37.87	+14 26.9	1.404	2.263	16.3	21.2

379900 2012 JQ_{13} 2 19.0 196°.96 0°.4/18.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 29.97	+ 8 51.6	2.242	3.019	13.3	21.7
1 22	10 26.23	+ 9 39.7	2.148	3.017	10.4	21.5
2 1	10 20.46	+10 41.4	2.077	3.015	7.0	21.3
2 11	10 13.16	+11 52.4	2.035	3.012	3.1	21.1
2 21	10 5.05	+13 6.8	2.021	3.009	1.0	20.9
3 2	9 56.99	+14 18.2	2.039	3.006	5.0	21.2
3 12	9 49.90	+15 21.1	2.084	3.002	8.7	21.4
3 22	9 44.45	+16 11.5	2.155	2.999	12.0	21.6

378851 2008 TG_{30} 2 19.0 143°.27 0°.5/19.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 30.59	+ 7 40.1	2.260	3.031	13.4	21.9
1 22	10 26.61	+ 8 3.1	2.172	3.036	10.5	21.7
2 1	10 20.64	+ 8 38.5	2.107	3.040	7.1	21.5
2 11	10 13.21	+ 9 23.1	2.069	3.045	3.4	21.2
2 21	10 5.05	+10 12.4	2.061	3.049	0.8	21.0
3 2	9 57.02	+11 1.3	2.082	3.053	4.5	21.3
3 12	9 49.98	+11 45.0	2.132	3.056	8.2	21.5
3 22	9 44.59	+12 20.0	2.207	3.060	11.4	21.7

280871 2005 VY_{12} 2 19.0 41°.35 3°.4/16.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 12	10 34.09	+18 34.0	1.775	2.582	15.1	20.2
1 22	10 29.95	+19 12.4	1.698	2.585	11.7	20.0
2 1	10 23.18	+19 57.3	1.644	2.588	7.8	19.8
2 11	10 14.46	+20 41.7	1.616	2.591	4.3	19.6
2 21	10 4.77	+21 18.8	1.616	2.594	4.0	19.6
3 2	9 55.35	+21 42.4	1.644	2.597	7.5	19.8
3 12	9 47.37	+21 49.5	1.697	2.601	11.3	20.0
3 22	9 41.65	+21 39.7	1.774	2.604	14.7	20.2

62104 2000 RZ_{95} 2 19.0 177°.29 0°.1/18.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 34.75	+ 8 44.2	2.082	2.854	14.4	21.7
1 22	10 30.07	+ 9 19.1	1.991	2.856	11.3	21.5
2 1	10 23.09	+10 7.5	1.924	2.858	7.6	21.2
2 11	10 14.39	+11 5.3	1.883	2.860	3.5	21.0
2 21	10 4.79	+12 6.8	1.872	2.860	0.9	20.8
3 2	9 55.29	+13 5.9	1.891	2.860	5.2	21.1
3 12	9 46.92	+13 56.8	1.939	2.858	9.2	21.3
3 22	9 40.45	+14 35.9	2.012	2.856	12.7	21.5

166852 2002 WE_{9} 2 19.0 118°.00 0°.3/18.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 30.91	+10 26.4	2.496	3.270	12.2	20.9
1 22	10 26.60	+10 51.4	2.415	3.282	9.5	20.7
2 1	10 20.50	+11 25.6	2.357	3.294	6.3	20.5
2 11	10 13.12	+12 5.5	2.328	3.305	2.8	20.3
2 21	10 5.12	+12 47.0	2.328	3.316	0.9	20.2
3 2	9 57.30	+13 25.7	2.359	3.327	4.4	20.5
3 12	9 50.42	+13 57.9	2.419	3.337	7.7	20.7
3 22	9 45.04	+14 21.2	2.505	3.347	10.5	20.9

14858 1989 UW_{3} 2 19.0 147°.60 5°.7/24.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 32.23	− 8 10.9	2.311	3.000	15.3	18.8
1 22	10 27.85	− 8 29.7	2.219	3.010	13.0	18.7
2 1	10 21.47	− 8 28.3	2.148	3.019	10.4	18.5
2 11	10 13.61	− 8 5.9	2.101	3.027	7.7	18.4
2 21	10 5.00	− 7 23.7	2.081	3.035	5.9	18.3
3 2	9 56.48	− 6 25.7	2.090	3.042	6.2	18.3
3 12	9 48.95	− 5 17.5	2.127	3.049	8.4	18.4
3 22	9 43.06	− 4 5.8	2.191	3.055	11.0	18.6

49109 Agnesraab 2 19.0 80°.70 8°.1/12.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 36.72	+29 10.1	1.693	2.509	15.3	18.7
1 22	10 32.22	+30 51.1	1.645	2.527	12.3	18.5
2 1	10 24.75	+32 29.2	1.620	2.546	9.5	18.4
2 11	10 15.16	+33 53.1	1.621	2.565	8.1	18.4
2 21	10 4.64	+34 53.1	1.648	2.583	9.0	18.5
3 2	9 54.62	+35 23.7	1.702	2.601	11.4	18.6
3 12	9 46.40	+35 24.6	1.778	2.619	14.1	18.8
3 22	9 40.78	+34 59.5	1.875	2.637	16.6	19.1

127587 2003 AQ_{82} 2 19.1 258°.77 2°.2/17.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 32.55	+12 7.4	1.590	2.394	16.7	20.1
1 22	10 29.33	+13 10.0	1.494	2.379	13.1	19.8
2 1	10 23.20	+14 30.5	1.419	2.363	8.7	19.5
2 11	10 14.67	+16 2.2	1.369	2.348	4.0	19.2
2 21	10 4.71	+17 35.4	1.347	2.331	3.0	19.1
3 2	9 54.65	+18 59.7	1.353	2.315	7.7	19.3
3 12	9 45.94	+20 6.6	1.384	2.298	12.6	19.6
3 22	9 39.66	+20 51.7	1.438	2.280	16.9	19.8

231076 2005 QJ_{50} 2 19.1 86°.17 1°.0/18.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 34.85	+ 9 5.9	1.418	2.217	18.6	19.9
1 22	10 30.88	+10 7.8	1.358	2.239	14.4	19.7
2 1	10 23.93	+11 28.6	1.318	2.261	9.5	19.5
2 11	10 14.82	+13 0.4	1.303	2.282	4.2	19.2
2 21	10 4.73	+14 33.0	1.316	2.303	1.8	19.1
3 2	9 55.09	+15 56.1	1.356	2.323	6.9	19.5
3 12	9 47.23	+17 2.1	1.422	2.344	11.7	19.8
3 22	9 41.97	+17 47.5	1.511	2.363	15.7	20.1

247013 1999 VU_{197} 2 19.1 178°.65 1°.6/20.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 32.42	+ 3 7.3	2.180	2.932	14.4	21.2
1 22	10 28.16	+ 3 38.9	2.085	2.934	11.5	21.0
2 1	10 21.78	+ 4 27.5	2.012	2.935	8.1	20.8
2 11	10 13.80	+ 5 30.5	1.966	2.936	4.3	20.6
2 21	10 4.96	+ 6 43.0	1.950	2.936	1.6	20.4
3 2	9 56.20	+ 7 58.8	1.964	2.935	4.6	20.6
3 12	9 48.45	+ 9 11.4	2.007	2.934	8.4	20.8
3 22	9 42.43	+10 15.4	2.076	2.932	11.9	21.0

39255 2000 YA_{119} 2 19.1 104°.24 0°.2/19.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 32.64	+ 6 50.3	1.671	2.455	16.8	18.6
1 22	10 28.84	+ 7 34.5	1.597	2.468	13.2	18.3
2 1	10 22.45	+ 8 37.2	1.544	2.481	8.9	18.1
2 11	10 14.14	+ 9 53.1	1.517	2.493	4.1	17.9
2 21	10 4.89	+11 14.6	1.517	2.506	0.9	17.6
3 2	9 55.90	+12 33.2	1.547	2.518	5.8	18.0
3 12	9 48.33	+13 41.4	1.603	2.529	10.3	18.3
3 22	9 42.98	+14 34.4	1.683	2.541	14.1	18.6

321782 2010 OQ_{86} 2 19.1 215°.09 6°.0/12.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 12	10 34.20	+30 16.7	2.527	3.326	11.4	20.8
1 22	10 29.45	+31 16.2	2.450	3.322	9.2	20.7
2 1	10 22.56	+32 13.1	2.398	3.319	7.1	20.5
2 11	10 14.11	+33 0.5	2.374	3.316	6.0	20.5
2 21	10 4.90	+33 32.8	2.378	3.312	6.6	20.5
3 2	9 55.87	+33 46.0	2.410	3.308	8.5	20.6
3 12	9 47.96	+33 38.9	2.467	3.304	10.8	20.7
3 22	9 41.84	+33 13.2	2.547	3.300	12.9	20.9

239226 2006 SY_{40} 2 19.1 203°.61 0°.8/18.2 17

1 12	10 29.94	+12 11.5	2.794	3.570	11.0	21.7
1 22	10 25.79	+12 40.6	2.697	3.566	8.5	21.5
2 1	10 19.96	+13 17.6	2.624	3.562	5.7	21.3
2 11	10 12.90	+13 59.0	2.580	3.557	2.5	21.1
2 21	10 5.19	+14 40.9	2.566	3.552	1.2	21.0
3 2	9 57.56	+15 19.2	2.583	3.547	4.3	21.2
3 12	9 50.69	+15 50.6	2.629	3.542	7.4	21.4
3 22	9 45.16	+16 12.9	2.701	3.536	10.1	21.6

421689 2014 PM 2 19.1 187°.98 1°.8/20.5 18

1 12	10 35.78	+ 4 49.7	2.054	2.809	15.1	21.7
1 22	10 30.91	+ 4 50.9	1.958	2.809	12.1	21.5
2 1	10 23.70	+ 5 6.6	1.884	2.808	8.5	21.3
2 11	10 14.70	+ 5 34.9	1.836	2.806	4.6	21.1
2 21	10 4.75	+ 6 12.0	1.818	2.804	1.9	20.9
3 2	9 54.87	+ 6 53.1	1.829	2.801	5.0	21.1
3 12	9 46.11	+ 7 32.9	1.869	2.797	9.0	21.3
3 22	9 39.29	+ 8 7.0	1.935	2.792	12.6	21.5

247139 2000 WP_{104} 2 19.1 105°.41 1°.1/18.1 18

1 12	10 35.67	+10 36.4	1.819	2.604	15.7	21.0
1 22	10 30.87	+11 28.8	1.754	2.627	12.1	20.8
2 1	10 23.61	+12 34.6	1.711	2.650	8.0	20.6
2 11	10 14.59	+13 47.4	1.695	2.673	3.5	20.4
2 21	10 4.80	+14 59.8	1.708	2.694	1.7	20.3
3 2	9 55.37	+16 4.5	1.751	2.716	5.9	20.7
3 12	9 47.36	+16 55.9	1.821	2.736	10.0	20.9
3 22	9 41.52	+17 31.6	1.916	2.756	13.4	21.2

251979 2000 AU_{244} 2 19.1 78°.46 14°.0/27.1 17

1 12	10 39.18	−13 58.5	1.238	1.943	25.6	20.2
1 22	10 35.04	−16 10.5	1.173	1.956	22.7	20.0
2 1	10 27.26	−17 51.4	1.123	1.969	19.5	19.8
2 11	10 16.56	−18 51.8	1.090	1.982	16.5	19.7
2 21	10 4.28	−19 6.1	1.077	1.995	14.4	19.6
3 2	9 52.24	−18 35.4	1.087	2.008	14.2	19.6
3 12	9 42.20	−17 29.0	1.118	2.021	15.8	19.7
3 22	9 35.40	−16 0.8	1.168	2.034	18.4	19.9

430639 2003 SG_{64} 2 19.1 185°.15 12°.1/13.5 15

1 12	10 57.02	+35 52.6	1.268	2.070	20.3	20.9
1 22	10 49.68	+37 4.2	1.204	2.070	17.0	20.7
2 1	10 37.34	+38 5.7	1.160	2.071	14.0	20.5
2 11	10 21.14	+38 39.6	1.139	2.070	12.2	20.4
2 21	10 3.23	+38 32.2	1.142	2.069	12.8	20.4
3 2	9 46.31	+37 38.9	1.169	2.067	15.5	20.6
3 12	9 32.74	+36 5.3	1.218	2.064	18.9	20.8
3 22	9 23.71	+34 3.3	1.286	2.060	22.2	21.0

49617 1999 FJ_{43} 2 19.1 43°.36 0°.2/18.8 18 R

1 12	10 27.55	+ 8 1.2	2.169	2.950	13.6	18.6
1 22	10 24.40	+ 8 53.1	2.082	2.953	10.6	18.4
2 1	10 19.26	+ 9 59.4	2.018	2.955	7.1	18.2
2 11	10 12.64	+11 15.8	1.980	2.958	3.2	18.0
2 21	10 5.26	+12 36.3	1.973	2.961	0.9	17.8
3 2	9 57.99	+13 54.0	1.995	2.963	4.9	18.1
3 12	9 51.68	+15 2.8	2.045	2.966	8.7	18.3
3 22	9 47.01	+15 58.7	2.120	2.969	11.9	18.5

425136 2009 SU_{239} 2 19.1 102°.82 4°.0/15.1 18

1 12	10 34.89	+20 42.4	2.225	3.022	12.8	21.7
1 22	10 29.91	+21 54.2	2.166	3.047	9.8	21.5
2 1	10 22.79	+23 9.4	2.133	3.071	6.7	21.4
2 11	10 14.17	+24 21.0	2.128	3.096	4.3	21.3
2 21	10 4.92	+25 22.2	2.152	3.119	4.6	21.3
3 2	9 55.99	+26 7.8	2.206	3.142	7.1	21.5
3 12	9 48.29	+26 35.3	2.288	3.164	10.0	21.7
3 22	9 42.47	+26 44.9	2.393	3.186	12.5	22.0

64074 2001 SJ_{278} 2 19.1 338°.89 5°.5/22.2 18

1 12	10 30.28	+ 0 16.7	1.265	2.051	21.1	18.0
1 22	10 28.02	− 0 26.2	1.180	2.043	17.5	17.7
2 1	10 22.54	− 0 45.8	1.113	2.036	13.2	17.4
2 11	10 14.43	− 0 40.5	1.067	2.029	8.6	17.2
2 21	10 4.81	− 0 12.0	1.044	2.023	5.5	17.0
3 2	9 55.21	+ 0 34.2	1.046	2.018	7.6	17.1
3 12	9 47.25	+ 1 28.9	1.071	2.013	12.3	17.3
3 22	9 42.09	+ 2 22.9	1.117	2.010	16.9	17.6

489302 2006 SR_{271} 2 19.1 166°.01 3°.2/22.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 12	10 28.73	− 1 23.3	2.708	3.432	12.5	22.0
1 22	10 24.86	− 1 26.9	2.610	3.434	10.3	21.8
2 1	10 19.35	− 1 16.1	2.534	3.436	7.7	21.7
2 11	10 12.63	− 0 51.6	2.485	3.438	5.0	21.5
2 21	10 5.28	− 0 15.6	2.464	3.439	3.3	21.4
3 2	9 58.00	+ 0 28.6	2.474	3.441	4.3	21.4
3 12	9 51.49	+ 1 16.5	2.513	3.442	6.9	21.6
3 22	9 46.31	+ 2 4.0	2.578	3.443	9.5	21.8

211898 2004 JV_{40} 2 19.1 124°.73 2°.9/15.8 17

1 12	10 28.84	+17 43.6	2.470	3.267	11.6	20.8
1 22	10 25.19	+18 45.3	2.388	3.271	8.9	20.7
2 1	10 19.68	+19 53.3	2.331	3.274	6.0	20.5
2 11	10 12.80	+21 1.9	2.303	3.277	3.3	20.3
2 21	10 5.24	+22 5.3	2.304	3.280	3.4	20.3
3 2	9 57.80	+22 58.2	2.336	3.283	6.1	20.5
3 12	9 51.27	+23 37.0	2.395	3.285	9.0	20.7
3 22	9 46.28	+24 0.3	2.478	3.288	11.7	20.9

268169 2004 VP_{72} 2 19.1 196°.14 1°.8/20.8 18

1 12	10 31.21	+ 3 55.1	2.427	3.178	13.1	20.9
1 22	10 27.01	+ 4 4.6	2.327	3.175	10.5	20.7
2 1	10 20.91	+ 4 27.6	2.251	3.173	7.5	20.5
2 11	10 13.38	+ 5 2.2	2.201	3.170	4.1	20.3
2 21	10 5.10	+ 5 45.0	2.181	3.166	1.8	20.1
3 2	9 56.86	+ 6 31.8	2.191	3.162	4.3	20.3
3 12	9 49.51	+ 7 17.8	2.230	3.158	7.7	20.5
3 22	9 43.69	+ 7 58.9	2.295	3.153	10.8	20.7

64232 2001 TL_{122} 2 19.1 48°.54 9°.6/27.1 18

1 12	10 31.11	−12 58.6	1.698	2.388	20.0	18.5
1 22	10 27.72	−14 4.6	1.622	2.401	17.6	18.4
2 1	10 21.76	−14 43.2	1.564	2.414	14.7	18.2
2 11	10 13.86	−14 50.6	1.527	2.428	12.0	18.1
2 21	10 4.98	−14 26.0	1.512	2.442	10.0	18.0
3 2	9 56.28	−13 32.8	1.522	2.456	9.8	18.0
3 12	9 48.94	−12 18.6	1.556	2.471	11.4	18.1
3 22	9 43.78	−10 53.4	1.614	2.486	13.9	18.3

497733 2006 SQ_{184} 2 19.1 159°.81 3°.3/15.6 17

1 12	10 32.10	+21 17.8	2.648	3.442	11.0	21.8
1 22	10 27.55	+21 58.0	2.566	3.445	8.5	21.6
2 1	10 21.16	+22 40.7	2.510	3.448	5.8	21.4
2 11	10 13.45	+23 20.9	2.481	3.451	3.6	21.3
2 21	10 5.10	+23 53.8	2.483	3.453	3.7	21.3
3 2	9 56.91	+24 15.6	2.515	3.455	6.1	21.5
3 12	9 49.67	+24 24.1	2.574	3.458	8.7	21.6
3 22	9 43.97	+24 19.1	2.658	3.459	11.2	21.8

310978 2003 UE_{278} 2 19.1 72°.19 2°.3/17.6 18

1 12	10 36.96	+15 38.8	1.547	2.352	17.0	20.3
1 22	10 32.40	+16 2.5	1.479	2.364	13.2	20.1
2 1	10 24.91	+16 35.1	1.432	2.376	8.7	19.9
2 11	10 15.27	+17 10.3	1.411	2.389	4.1	19.6
2 21	10 4.66	+17 41.0	1.417	2.401	2.9	19.6
3 2	9 54.47	+18 1.0	1.450	2.413	7.2	19.8
3 12	9 46.00	+18 6.7	1.509	2.425	11.5	20.1
3 22	9 40.11	+17 57.6	1.591	2.438	15.3	20.4

500502 2012 TC_{285} 2 19.1 179°.25 4°.7/24.9 17

1 12	10 27.91	− 8 20.2	2.828	3.510	12.9	22.1
1 22	10 24.20	− 8 18.9	2.724	3.511	11.0	22.0
2 1	10 18.90	− 7 59.7	2.642	3.511	8.7	21.8
2 11	10 12.43	− 7 22.6	2.585	3.512	6.5	21.7
2 21	10 5.34	− 6 29.2	2.556	3.512	4.9	21.6
3 2	9 58.30	− 5 22.9	2.557	3.511	5.1	21.6
3 12	9 51.98	− 4 8.7	2.587	3.511	7.0	21.7
3 22	9 46.92	− 2 52.1	2.644	3.509	9.3	21.9

500573 2012 UA_{79} 2 19.1 155°.31 0°.4/19.5 17

1 12	10 30.38	+ 8 20.6	2.791	3.553	11.3	21.9
1 22	10 26.05	+ 8 35.3	2.700	3.558	8.9	21.7
2 1	10 20.09	+ 8 59.2	2.633	3.564	6.0	21.5
2 11	10 12.95	+ 9 29.7	2.594	3.569	2.9	21.3
2 21	10 5.23	+10 3.7	2.585	3.573	0.7	21.1
3 2	9 57.62	+10 37.5	2.607	3.577	3.8	21.4
3 12	9 50.81	+11 7.6	2.659	3.581	6.9	21.6
3 22	9 45.34	+11 31.5	2.738	3.585	9.6	21.8

35262 1996 NA_{2} 2 19.1 75°.23 2°.6/20.7 18

1 12	10 36.31	+ 4 56.7	1.498	2.277	18.7	18.0
1 22	10 31.93	+ 4 38.9	1.427	2.291	15.0	17.8
2 1	10 24.64	+ 4 38.8	1.375	2.304	10.6	17.6
2 11	10 15.18	+ 4 54.5	1.347	2.317	5.8	17.3
2 21	10 4.70	+ 5 21.8	1.345	2.331	2.6	17.2
3 2	9 54.56	+ 5 54.7	1.371	2.344	6.0	17.4
3 12	9 46.10	+ 6 27.0	1.423	2.358	10.6	17.7
3 22	9 40.17	+ 6 53.5	1.499	2.371	14.7	18.0

79761 1998 TH_{26} 2 19.1 55°.52 2°.1/20.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 12	10 32.21	+ 4 20.5	1.541	2.323	18.1	20.0
1 22	10 28.64	+ 4 26.2	1.472	2.339	14.4	19.8
2 1	10 22.37	+ 4 51.4	1.424	2.355	10.1	19.6
2 11	10 14.12	+ 5 32.9	1.399	2.371	5.4	19.3
2 21	10 4.96	+ 6 25.2	1.401	2.387	2.1	19.2
3 2	9 56.13	+ 7 21.2	1.430	2.404	5.7	19.4
3 12	9 48.83	+ 8 13.6	1.485	2.421	10.1	19.7
3 22	9 43.86	+ 8 56.7	1.564	2.438	14.1	20.0

205831 2002 DO_{14} 2 19.1 321°.84 0°.6/19.5 18

1 12	10 29.02	+ 7 33.1	1.335	2.145	19.0	20.8
1 22	10 26.97	+ 7 49.3	1.245	2.130	15.2	20.5
2 1	10 21.81	+ 8 26.2	1.174	2.117	10.5	20.1
2 11	10 14.11	+ 9 20.4	1.126	2.104	5.0	19.8
2 21	10 4.92	+10 24.9	1.103	2.091	1.1	19.5
3 2	9 55.70	+11 30.4	1.105	2.080	6.9	19.8
3 12	9 48.02	+12 27.7	1.132	2.069	12.4	20.1
3 22	9 43.01	+13 10.2	1.179	2.058	17.3	20.3

223637 2004 KE_{14} 2 19.1 280°.12 2°.5/21.3 18

1 12	10 28.52	+ 0 58.8	1.842	2.604	16.3	21.1
1 22	10 25.68	+ 1 25.1	1.738	2.591	13.3	20.8
2 1	10 20.46	+ 2 13.6	1.656	2.578	9.6	20.6
2 11	10 13.34	+ 3 22.5	1.598	2.565	5.5	20.3
2 21	10 5.14	+ 4 47.0	1.567	2.552	2.5	20.1
3 2	9 56.87	+ 6 19.6	1.566	2.539	5.3	20.2
3 12	9 49.68	+ 7 51.5	1.591	2.526	9.6	20.5
3 22	9 44.42	+ 9 14.9	1.642	2.513	13.6	20.7

207110 2005 AX_{29} 2 19.1 133°.89 0°.1/19.1 18

1 12	10 35.73	+ 8 46.3	1.918	2.693	15.3	21.0
1 22	10 30.91	+ 9 12.7	1.839	2.706	12.0	20.8
2 1	10 23.68	+ 9 52.5	1.783	2.719	8.1	20.6
2 11	10 14.68	+10 41.5	1.754	2.731	3.7	20.4
2 21	10 4.85	+11 34.1	1.754	2.742	0.9	20.2
3 2	9 55.26	+12 24.0	1.784	2.753	5.3	20.5
3 12	9 46.97	+13 6.0	1.841	2.763	9.4	20.8
3 22	9 40.75	+13 36.7	1.924	2.773	13.0	21.0

167898 2005 EP_{78} 2 19.1 232°.15 1°.2/17.8 18

1 12	10 29.90	+12 42.5	2.468	3.252	12.0	20.4
1 22	10 26.05	+13 22.9	2.369	3.244	9.3	20.2
2 1	10 20.31	+14 12.7	2.295	3.236	6.2	20.0
2 11	10 13.14	+15 7.6	2.249	3.227	2.8	19.8
2 21	10 5.21	+16 2.7	2.233	3.219	1.7	19.7
3 2	9 57.31	+16 52.7	2.247	3.210	5.0	19.9
3 12	9 50.27	+17 33.5	2.289	3.200	8.4	20.1
3 22	9 44.75	+18 2.5	2.357	3.191	11.4	20.3

146563 2001 TB_{7} 2 19.1 236°.28 1°.8/17.4 17

1 12	10 32.44	+13 31.2	2.153	2.941	13.4	21.1
1 22	10 28.40	+14 20.2	2.052	2.929	10.5	20.9
2 1	10 22.10	+15 20.1	1.974	2.916	6.9	20.6
2 11	10 14.05	+16 25.9	1.925	2.902	3.2	20.4
2 21	10 5.00	+17 31.1	1.904	2.888	2.4	20.3
3 2	9 55.93	+18 29.1	1.914	2.874	6.0	20.5
3 12	9 47.86	+19 14.9	1.951	2.859	9.8	20.7
3 22	9 41.61	+19 45.5	2.013	2.844	13.2	20.9

256090 2006 UO_{216} 2 19.1 93°.58 2°.0/20.9 18

1 12	10 34.86	+ 3 4.8	1.974	2.727	15.7	20.8
1 22	10 29.99	+ 3 20.1	1.906	2.755	12.5	20.6
2 1	10 22.91	+ 3 52.0	1.860	2.782	8.7	20.5
2 11	10 14.28	+ 4 37.7	1.840	2.809	4.8	20.3
2 21	10 4.99	+ 5 32.4	1.850	2.835	2.0	20.1
3 2	9 56.03	+ 6 30.1	1.889	2.861	4.8	20.4
3 12	9 48.36	+ 7 25.0	1.956	2.886	8.5	20.6
3 22	9 42.63	+ 8 12.4	2.049	2.910	11.8	20.9

323846 2005 SS_{86} 2 19.1 315°.73 1°.2/18.2 18

1 12	10 31.89	+12 16.3	1.731	2.530	15.7	21.0
1 22	10 28.39	+12 43.0	1.643	2.525	12.3	20.7
2 1	10 22.29	+13 22.1	1.577	2.520	8.2	20.5
2 11	10 14.17	+14 8.5	1.537	2.516	3.7	20.2
2 21	10 4.98	+14 55.8	1.524	2.511	1.8	20.0
3 2	9 55.91	+15 37.3	1.540	2.507	6.3	20.3
3 12	9 48.16	+16 7.6	1.581	2.503	10.7	20.6
3 22	9 42.59	+16 23.8	1.646	2.499	14.6	20.8

110880 2001 UP_{101} 2 19.1 271°.03 0°.5/18.7 18

1 12	10 31.21	+ 9 53.8	1.860	2.649	15.2	20.5
1 22	10 27.77	+10 25.6	1.761	2.637	11.9	20.3
2 1	10 21.85	+11 11.9	1.685	2.625	8.1	20.0
2 11	10 13.99	+12 8.4	1.634	2.612	3.6	19.7
2 21	10 5.02	+13 9.1	1.611	2.599	1.2	19.5
3 2	9 56.04	+14 6.9	1.617	2.586	5.8	19.8
3 12	9 48.20	+14 55.6	1.650	2.573	10.2	20.0
3 22	9 42.38	+15 31.0	1.707	2.560	14.1	20.2

339024 2004 HO_{25} 2 19.1 5°.99 8°.8/10.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 12	10 34.65	+34 47.3	1.931	2.741	13.9	19.9
1 22	10 30.56	+36 3.7	1.870	2.742	11.6	19.8
2 1	10 23.67	+37 13.4	1.832	2.743	9.6	19.6
2 11	10 14.74	+38 6.6	1.819	2.744	8.8	19.6
2 21	10 4.87	+38 35.8	1.832	2.746	9.7	19.6
3 2	9 55.37	+38 36.6	1.870	2.749	11.6	19.8
3 12	9 47.47	+38 9.4	1.930	2.752	13.9	19.9
3 22	9 42.00	+37 17.9	2.011	2.755	16.2	20.1

285949 2001 RJ_{21} 2 19.1 80°.10 1°.3/18.1 18

1 12	10 38.36	+13 17.7	1.877	2.661	15.3	21.0
1 22	10 32.72	+13 45.5	1.821	2.695	11.7	20.9
2 1	10 24.71	+14 22.1	1.788	2.728	7.7	20.7
2 11	10 15.08	+15 2.2	1.782	2.760	3.4	20.5
2 21	10 4.84	+15 39.8	1.806	2.792	1.9	20.4
3 2	9 55.11	+16 9.9	1.859	2.823	5.7	20.8
3 12	9 46.90	+16 29.0	1.940	2.854	9.5	21.0
3 22	9 40.85	+16 35.9	2.046	2.884	12.7	21.3

136375 2004 EV_{64} 2 19.1 178°.23 3°.9/14.5 18

1 12	10 30.06	+21 25.7	2.507	3.308	11.4	20.1
1 22	10 26.20	+22 36.1	2.426	3.309	8.8	19.9
2 1	10 20.41	+23 50.6	2.370	3.309	6.1	19.7
2 11	10 13.21	+25 2.9	2.343	3.309	4.1	19.6
2 21	10 5.28	+26 6.8	2.346	3.310	4.5	19.6
3 2	9 57.45	+26 57.0	2.377	3.309	6.9	19.8
3 12	9 50.55	+27 30.5	2.436	3.309	9.6	20.0
3 22	9 45.23	+27 46.6	2.519	3.309	12.1	20.1

85559 Villecroze 2 19.1 265°.07 4°.1/15.3 18

1 12	10 31.18	+18 40.2	1.912	2.721	14.1	19.9
1 22	10 27.75	+19 54.0	1.824	2.713	10.9	19.7
2 1	10 21.83	+21 16.7	1.760	2.704	7.4	19.4
2 11	10 13.99	+22 40.7	1.723	2.695	4.5	19.2
2 21	10 5.08	+23 57.3	1.714	2.686	4.8	19.2
3 2	9 56.23	+24 58.7	1.733	2.677	8.0	19.4
3 12	9 48.56	+25 40.0	1.778	2.668	11.7	19.6
3 22	9 42.95	+25 59.9	1.846	2.658	15.0	19.8

378345 2007 HQ_{63} 2 19.1 225°.03 5°.9/12.9 18

1 12	10 35.55	+28 34.5	2.457	3.254	11.7	21.5
1 22	10 30.66	+29 41.4	2.370	3.244	9.4	21.4
2 1	10 23.53	+30 47.7	2.309	3.233	7.2	21.2
2 11	10 14.68	+31 46.0	2.276	3.222	5.9	21.1
2 21	10 4.93	+32 29.8	2.271	3.211	6.5	21.1
3 2	9 55.28	+32 54.4	2.295	3.199	8.6	21.2
3 12	9 46.72	+32 57.8	2.345	3.187	11.1	21.4
3 22	9 40.01	+32 41.3	2.418	3.174	13.5	21.5

381464 2008 RC_{115} 2 19.1 153°.92 4°.8/24.5 18

1 12	10 29.29	− 7 21.1	2.564	3.257	13.9	22.2
1 22	10 25.43	− 7 20.7	2.468	3.263	11.7	22.0
2 1	10 19.82	− 7 1.3	2.393	3.269	9.2	21.9
2 11	10 12.93	− 6 23.0	2.342	3.275	6.7	21.7
2 21	10 5.37	− 5 27.8	2.320	3.280	4.9	21.6
3 2	9 57.89	− 4 19.5	2.327	3.284	5.3	21.7
3 12	9 51.24	− 3 3.8	2.363	3.289	7.4	21.8
3 22	9 46.01	− 1 46.7	2.426	3.293	10.0	22.0

133281 2003 ST_{17} 2 19.1 276°.40 1°.5/20.2 16

1 12	10 32.83	+ 5 44.9	1.678	2.458	17.0	20.5
1 22	10 29.45	+ 5 51.7	1.570	2.436	13.7	20.2
2 1	10 23.27	+ 6 16.5	1.483	2.415	9.6	19.9
2 11	10 14.79	+ 6 57.1	1.420	2.393	5.0	19.6
2 21	10 4.88	+ 7 49.2	1.384	2.371	1.6	19.3
3 2	9 54.79	+ 8 45.9	1.376	2.349	6.0	19.5
3 12	9 45.87	+ 9 39.6	1.394	2.326	10.9	19.7
3 22	9 39.22	+10 24.4	1.435	2.303	15.5	19.9

492388 2014 HM_{181} 2 19.1 202°.65 1°.4/17.9 18

1 12	10 34.97	+11 11.7	1.981	2.763	14.6	22.3
1 22	10 30.53	+12 7.7	1.885	2.758	11.4	22.1
2 1	10 23.63	+13 17.9	1.813	2.752	7.6	21.8
2 11	10 14.81	+14 36.7	1.768	2.746	3.4	21.6
2 21	10 4.91	+15 56.7	1.752	2.738	2.0	21.4
3 2	9 55.03	+17 10.3	1.767	2.730	6.1	21.7
3 12	9 46.29	+18 11.0	1.810	2.721	10.3	21.9
3 22	9 39.56	+18 55.2	1.877	2.710	13.9	22.1

267497 2002 JZ_{119} 2 19.1 264°.72 1°.2/17.8 17

1 12	10 29.05	+10 29.4	2.162	2.948	13.4	20.4
1 22	10 25.79	+11 33.7	2.057	2.933	10.5	20.2
2 1	10 20.40	+12 52.7	1.976	2.917	7.0	19.9
2 11	10 13.32	+14 21.5	1.923	2.901	3.1	19.6
2 21	10 5.26	+15 53.2	1.899	2.885	1.9	19.5
3 2	9 57.14	+17 20.1	1.905	2.868	5.7	19.7
3 12	9 49.94	+18 35.5	1.939	2.851	9.6	19.9
3 22	9 44.42	+19 35.1	1.999	2.835	13.1	20.1

95147 2002 AP_{166} 2 19.1 305°.67 3°.0/21.2 18 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 12	10 31.86	+ 3 15.8	1.851	2.616	16.1	19.4
1 22	10 28.24	+ 2 55.2	1.752	2.606	13.1	19.2
2 1	10 22.16	+ 2 50.2	1.674	2.596	9.5	18.9
2 11	10 14.15	+ 3 0.2	1.621	2.587	5.6	18.7
2 21	10 5.07	+ 3 22.5	1.595	2.578	3.0	18.5
3 2	9 55.99	+ 3 53.0	1.597	2.569	5.5	18.6
3 12	9 48.06	+ 4 26.1	1.626	2.560	9.5	18.8
3 22	9 42.13	+ 4 56.7	1.679	2.552	13.4	19.0

154979 2004 UG_{6} 2 19.1 167°.53 2°.6/16.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 32.79	+17 10.0	2.327	3.119	12.4	20.5
1 22	10 28.37	+17 56.9	2.243	3.122	9.6	20.4
2 1	10 21.89	+18 50.1	2.184	3.125	6.4	20.2
2 11	10 13.90	+19 44.2	2.152	3.127	3.4	20.0
2 21	10 5.15	+20 33.6	2.151	3.129	3.1	20.0
3 2	9 56.55	+21 13.1	2.179	3.131	6.0	20.1
3 12	9 48.99	+21 39.2	2.235	3.132	9.2	20.3
3 22	9 43.13	+21 50.9	2.316	3.133	12.1	20.5

464812 2004 RK_{176} 2 19.1 248°.88 4°.4/23.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 30.37	− 4 34.1	2.363	3.076	14.4	22.0
1 22	10 26.63	− 4 32.5	2.244	3.057	12.2	21.8
2 1	10 20.87	− 4 11.6	2.146	3.038	9.4	21.6
2 11	10 13.52	− 3 31.1	2.074	3.019	6.5	21.4
2 21	10 5.22	− 2 32.9	2.029	2.999	4.5	21.2
3 2	9 56.81	− 1 21.0	2.013	2.978	5.3	21.2
3 12	9 49.18	− 0 1.8	2.027	2.957	8.2	21.4
3 22	9 43.09	+ 1 18.2	2.067	2.935	11.4	21.5

124233 2001 PX_{36} 2 19.1 258°.73 5°.5/14.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 36.94	+21 6.5	1.675	2.485	15.7	20.0
1 22	10 32.90	+22 20.8	1.577	2.464	12.4	19.7
2 1	10 25.73	+23 44.5	1.501	2.442	8.7	19.4
2 11	10 15.97	+25 7.9	1.451	2.420	5.8	19.2
2 21	10 4.62	+26 20.5	1.429	2.397	6.4	19.2
3 2	9 53.14	+27 12.7	1.435	2.373	9.9	19.3
3 12	9 43.06	+27 39.1	1.465	2.349	14.1	19.5
3 22	9 35.57	+27 39.4	1.516	2.324	17.9	19.7

248148 2004 TF_{182} 2 19.1 253°.38 0°.2/18.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 33.10	+ 8 47.6	1.650	2.440	16.8	21.5
1 22	10 29.62	+ 9 20.9	1.552	2.428	13.3	21.3
2 1	10 23.34	+10 11.8	1.476	2.415	9.0	21.0
2 11	10 14.79	+11 16.1	1.424	2.402	4.1	20.6
2 21	10 4.92	+12 26.6	1.400	2.388	1.1	20.4
3 2	9 55.00	+13 35.0	1.404	2.374	6.4	20.7
3 12	9 46.37	+14 33.5	1.434	2.360	11.3	20.9
3 22	9 40.05	+15 17.1	1.488	2.345	15.6	21.2

95397 2002 CZ_{192} 2 19.1 158°.23 1°.4/17.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 32.55	+13 14.1	2.153	2.941	13.4	20.4
1 22	10 28.32	+13 51.3	2.068	2.944	10.4	20.2
2 1	10 21.94	+14 38.0	2.007	2.948	6.9	20.0
2 11	10 13.96	+15 29.3	1.973	2.951	3.1	19.7
2 21	10 5.17	+16 19.7	1.969	2.954	1.9	19.7
3 2	9 56.54	+17 3.6	1.994	2.957	5.5	19.9
3 12	9 49.00	+17 36.6	2.047	2.959	9.2	20.1
3 22	9 43.25	+17 56.7	2.124	2.961	12.4	20.3

29083 1979 MG_{3} 2 19.1 189°.60 3°.2/22.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 30.19	− 0 17.3	2.592	3.321	12.9	18.9
1 22	10 26.13	− 0 27.3	2.492	3.320	10.6	18.8
2 1	10 20.31	− 0 23.4	2.414	3.319	7.9	18.6
2 11	10 13.18	− 0 6.0	2.363	3.318	5.1	18.4
2 21	10 5.36	+ 0 22.6	2.340	3.317	3.2	18.3
3 2	9 57.59	+ 0 59.4	2.348	3.315	4.4	18.3
3 12	9 50.63	+ 1 40.0	2.384	3.313	7.2	18.5
3 22	9 45.08	+ 2 20.2	2.448	3.311	10.0	18.7

10413 Pansecchi 2 19.1 76°.78 1°.8/20.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 32.34	+ 5 25.8	2.217	2.977	13.9	18.0
1 22	10 27.99	+ 5 15.8	2.132	2.986	11.1	17.8
2 1	10 21.62	+ 5 18.0	2.069	2.994	7.8	17.6
2 11	10 13.78	+ 5 30.7	2.033	3.003	4.2	17.4
2 21	10 5.22	+ 5 50.9	2.026	3.011	1.8	17.3
3 2	9 56.83	+ 6 14.9	2.048	3.020	4.5	17.4
3 12	9 49.49	+ 6 38.4	2.099	3.028	8.0	17.7
3 22	9 43.84	+ 6 58.2	2.175	3.037	11.2	17.9

61286 2000 OL_{41} 2 19.1 245°.33 4°.3/22.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 31.98	− 1 26.6	1.706	2.457	17.9	20.0
1 22	10 28.60	− 1 31.8	1.606	2.447	14.8	19.8
2 1	10 22.57	− 1 14.4	1.526	2.438	11.1	19.5
2 11	10 14.42	− 0 34.2	1.469	2.428	7.1	19.3
2 21	10 5.03	+ 0 25.9	1.439	2.418	4.4	19.1
3 2	9 55.59	+ 1 39.6	1.436	2.407	6.2	19.2
3 12	9 47.35	+ 2 58.5	1.460	2.396	10.2	19.4
3 22	9 41.29	+ 4 14.2	1.509	2.385	14.4	19.6

350255 2012 TE_{145} 2 19.1 128°.24 4°.4/14.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 12	10 32.22	+24 45.1	2.573	3.372	11.2	21.3
1 22	10 27.77	+25 40.3	2.500	3.379	8.7	21.1
2 1	10 21.40	+26 36.0	2.452	3.386	6.3	21.0
2 11	10 13.65	+27 26.5	2.433	3.393	4.6	20.9
2 21	10 5.26	+28 6.3	2.442	3.399	5.0	20.9
3 2	9 57.06	+28 31.5	2.481	3.405	7.1	21.1
3 12	9 49.87	+28 40.1	2.547	3.411	9.5	21.2
3 22	9 44.30	+28 32.6	2.636	3.417	11.8	21.4

66759 1999 TU_{185} 2 19.1 175°.76 5°.4/24.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 31.66	− 6 56.1	2.489	3.181	14.3	19.7
1 22	10 27.37	− 7 22.3	2.389	3.183	12.1	19.5
2 1	10 21.20	− 7 31.0	2.311	3.184	9.6	19.4
2 11	10 13.61	− 7 21.2	2.257	3.185	7.2	19.2
2 21	10 5.27	− 6 54.0	2.231	3.186	5.5	19.1
3 2	9 56.97	− 6 12.0	2.233	3.186	5.9	19.1
3 12	9 49.53	− 5 20.1	2.265	3.186	8.0	19.3
3 22	9 43.60	− 4 23.9	2.322	3.185	10.5	19.4

411210 2010 NZ_{6} 2 19.1 145°.59 1°.7/20.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 34.55	+ 4 5.0	2.205	2.955	14.3	22.6
1 22	10 29.72	+ 4 19.4	2.119	2.967	11.4	22.4
2 1	10 22.79	+ 4 48.5	2.056	2.979	8.0	22.2
2 11	10 14.33	+ 5 29.8	2.020	2.989	4.3	22.0
2 21	10 5.11	+ 6 19.2	2.013	2.999	1.7	21.8
3 2	9 56.06	+ 7 11.6	2.037	3.008	4.5	22.0
3 12	9 48.09	+ 8 1.7	2.090	3.017	8.2	22.3
3 22	9 41.89	+ 8 45.2	2.169	3.024	11.4	22.5

268055 2004 RO_{19} 2 19.1 183°.97 0°.3/19.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 30.43	+ 7 18.3	2.080	2.855	14.3	20.9
1 22	10 26.78	+ 7 52.7	1.989	2.856	11.2	20.7
2 1	10 20.98	+ 8 41.7	1.921	2.856	7.6	20.4
2 11	10 13.56	+ 9 41.7	1.879	2.855	3.6	20.2
2 21	10 5.29	+10 47.3	1.867	2.855	0.8	20.0
3 2	9 57.10	+11 52.1	1.883	2.854	4.9	20.3
3 12	9 49.96	+12 50.1	1.928	2.853	8.9	20.5
3 22	9 44.59	+13 37.1	1.998	2.852	12.3	20.7

95291 2002 CP_{88} 2 19.1 148°.92 1°.2/17.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 30.05	+10 43.9	2.033	2.822	14.1	20.2
1 22	10 26.55	+11 41.8	1.948	2.825	10.9	20.0
2 1	10 20.85	+12 53.3	1.886	2.827	7.2	19.8
2 11	10 13.51	+14 12.8	1.851	2.830	3.2	19.5
2 21	10 5.31	+15 33.5	1.846	2.832	1.8	19.4
3 2	9 57.22	+16 48.0	1.870	2.834	5.7	19.7
3 12	9 50.21	+17 50.4	1.921	2.836	9.5	19.9
3 22	9 45.03	+18 37.2	1.997	2.838	12.9	20.1

54709 2001 HS_{20} 2 19.1 183°.48 1°.8/17.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 37.26	+13 27.4	1.784	2.574	15.7	19.7
1 22	10 32.52	+14 8.0	1.698	2.575	12.2	19.4
2 1	10 25.05	+15 0.2	1.634	2.575	8.1	19.2
2 11	10 15.50	+15 58.2	1.597	2.575	3.8	18.9
2 21	10 4.83	+16 54.6	1.589	2.574	2.5	18.8
3 2	9 54.32	+17 42.2	1.609	2.572	6.7	19.1
3 12	9 45.20	+18 15.9	1.657	2.569	11.0	19.3
3 22	9 38.38	+18 33.4	1.728	2.566	14.7	19.6

496396 2013 TM_{78} 2 19.1 174°.08 2°.9/22.2 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 31.00	− 0 39.1	2.598	3.323	13.0	22.8
1 22	10 26.74	− 0 30.5	2.499	3.326	10.6	22.7
2 1	10 20.71	− 0 6.5	2.423	3.328	7.8	22.5
2 11	10 13.37	+ 0 31.6	2.373	3.330	4.9	22.3
2 21	10 5.35	+ 1 21.1	2.353	3.332	2.9	22.2
3 2	9 57.39	+ 2 17.9	2.363	3.332	4.3	22.3
3 12	9 50.25	+ 3 16.9	2.404	3.332	7.2	22.4
3 22	9 44.53	+ 4 13.5	2.471	3.332	10.0	22.6

350238 2012 TF_{68} 2 19.1 123°.54 3°.1/22.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 28.43	− 1 15.6	2.594	3.321	12.9	20.9
1 22	10 24.73	− 1 10.2	2.501	3.328	10.6	20.8
2 1	10 19.34	− 0 49.4	2.431	3.335	7.9	20.6
2 11	10 12.73	− 0 14.3	2.387	3.342	5.0	20.4
2 21	10 5.51	+ 0 32.5	2.372	3.349	3.1	20.3
3 2	9 58.38	+ 1 26.9	2.387	3.355	4.3	20.4
3 12	9 52.06	+ 2 24.0	2.431	3.362	7.0	20.6
3 22	9 47.11	+ 3 19.3	2.501	3.368	9.7	20.8

65551 1206 T_{-2} 2 19.1 102°.09 1°.1/20.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 31.82	+ 5 10.5	2.088	2.853	14.6	20.4
1 22	10 27.68	+ 5 38.5	2.012	2.870	11.5	20.2
2 1	10 21.45	+ 6 21.6	1.958	2.887	7.9	20.0
2 11	10 13.72	+ 7 16.5	1.930	2.903	4.0	19.8
2 21	10 5.29	+ 8 18.1	1.932	2.920	1.2	19.6
3 2	9 57.07	+ 9 20.3	1.964	2.936	4.6	19.9
3 12	9 49.98	+10 17.5	2.024	2.951	8.4	20.2
3 22	9 44.67	+11 5.5	2.109	2.967	11.6	20.4

302513 2002 HY_5 2 19.1 352°.70 0°.1/19.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 12	10 29.85	+ 8 48.7	1.310	2.123	19.1	20.2
1 22	10 27.57	+ 9 10.6	1.231	2.119	15.1	19.9
2 1	10 22.17	+ 9 51.9	1.172	2.116	10.2	19.6
2 11	10 14.31	+10 48.0	1.136	2.114	4.7	19.3
2 21	10 5.12	+11 50.9	1.124	2.112	1.1	19.0
3 2	9 56.09	+12 51.4	1.138	2.112	6.9	19.4
3 12	9 48.72	+13 40.9	1.177	2.111	12.3	19.7
3 22	9 44.04	+14 14.3	1.236	2.112	16.9	20.0

190048 2004 RU_{159} 2 19.1 241°.19 1°.9/20.6 17

1 12	10 34.35	+ 5 29.2	2.223	2.979	14.0	20.5
1 22	10 29.77	+ 5 17.7	2.116	2.968	11.3	20.3
2 1	10 22.99	+ 5 18.1	2.032	2.956	8.0	20.1
2 11	10 14.51	+ 5 29.3	1.974	2.944	4.4	19.8
2 21	10 5.08	+ 5 48.4	1.946	2.931	1.9	19.6
3 2	9 55.63	+ 6 11.8	1.947	2.919	4.7	19.8
3 12	9 47.14	+ 6 35.3	1.977	2.905	8.5	20.0
3 22	9 40.39	+ 6 55.2	2.033	2.892	12.0	20.2

109937 2001 SX_{39} 2 19.1 77°.96 1°.8/17.6 18

1 12	10 33.40	+12 58.3	1.771	2.568	15.5	20.3
1 22	10 29.28	+13 46.1	1.706	2.588	12.0	20.1
2 1	10 22.68	+14 45.2	1.664	2.607	7.9	19.9
2 11	10 14.32	+15 49.2	1.648	2.626	3.6	19.7
2 21	10 5.16	+16 50.7	1.660	2.645	2.4	19.7
3 2	9 56.35	+17 43.0	1.701	2.664	6.3	20.0
3 12	9 48.95	+18 21.2	1.769	2.683	10.3	20.2
3 22	9 43.70	+18 43.4	1.860	2.701	13.7	20.5

322288 2011 FQ_{34} 2 19.1 171°.99 1°.1/18.1 17

1 12	10 31.48	+12 11.8	2.228	3.013	13.1	21.5
1 22	10 27.45	+12 47.1	2.140	3.014	10.2	21.3
2 1	10 21.35	+13 32.4	2.075	3.015	6.8	21.1
2 11	10 13.71	+14 23.3	2.038	3.016	3.0	20.9
2 21	10 5.29	+15 14.4	2.031	3.017	1.6	20.7
3 2	9 56.99	+16 0.4	2.053	3.018	5.2	21.0
3 12	9 49.70	+16 36.8	2.103	3.018	8.8	21.2
3 22	9 44.13	+17 1.2	2.179	3.018	12.0	21.4

313393 2002 NQ_{71} 2 19.1 246°.67 2°.7/21.0 16

1 12	10 33.82	+ 3 28.6	1.818	2.581	16.5	21.6
1 22	10 29.85	+ 3 17.9	1.718	2.572	13.4	21.4
2 1	10 23.31	+ 3 23.9	1.640	2.563	9.6	21.1
2 11	10 14.75	+ 3 45.3	1.586	2.554	5.5	20.9
2 21	10 5.03	+ 4 19.0	1.560	2.544	2.7	20.7
3 2	9 55.30	+ 5 0.1	1.562	2.534	5.5	20.8
3 12	9 46.75	+ 5 42.4	1.592	2.524	9.8	21.1
3 22	9 40.30	+ 6 20.3	1.645	2.514	13.8	21.3

407553 2010 XD_{30} 2 19.1 98°.07 5°.9/13.8 18

1 12	10 34.87	+23 55.5	1.827	2.639	14.5	21.0
1 22	10 30.58	+25 22.1	1.767	2.653	11.3	20.9
2 1	10 23.65	+26 51.3	1.730	2.667	8.1	20.7
2 11	10 14.80	+28 13.6	1.720	2.681	6.0	20.6
2 21	10 5.05	+29 19.8	1.738	2.694	6.7	20.7
3 2	9 55.63	+30 3.8	1.784	2.708	9.4	20.8
3 12	9 47.72	+30 23.1	1.854	2.721	12.4	21.1
3 22	9 42.09	+30 19.2	1.946	2.733	15.2	21.3

445871 2012 TZ_{193} 2 19.1 148°.12 0°.1/19.2 18

1 12	10 36.94	+ 8 12.8	1.618	2.401	17.4	22.5
1 22	10 32.40	+ 8 42.0	1.539	2.410	13.7	22.2
2 1	10 25.03	+ 9 28.0	1.481	2.418	9.3	22.0
2 11	10 15.49	+10 26.1	1.449	2.425	4.3	21.7
2 21	10 4.87	+11 29.3	1.444	2.432	1.0	21.5
3 2	9 54.48	+12 29.8	1.468	2.438	6.1	21.8
3 12	9 45.62	+13 20.5	1.519	2.444	10.8	22.1
3 22	9 39.20	+13 57.3	1.593	2.449	14.9	22.4

237315 2009 AZ_{14} 2 19.1 81°.15 0°.4/18.7 18

1 12	10 30.20	+10 23.5	2.244	3.025	13.2	21.2
1 22	10 26.34	+10 53.6	2.164	3.036	10.2	21.0
2 1	10 20.53	+11 34.3	2.108	3.047	6.8	20.8
2 11	10 13.30	+12 21.6	2.080	3.057	3.0	20.6
2 21	10 5.40	+13 10.6	2.080	3.068	1.0	20.5
3 2	9 57.68	+13 56.2	2.111	3.079	4.8	20.8
3 12	9 50.98	+14 34.0	2.169	3.089	8.3	21.0
3 22	9 45.93	+15 1.3	2.253	3.100	11.4	21.2

329315 2000 SZ_{224} 2 19.1 175°.37 2°.7/16.5 16

1 12	10 35.47	+18 44.5	2.470	3.256	12.0	22.0
1 22	10 30.34	+19 22.1	2.384	3.259	9.3	21.8
2 1	10 23.17	+20 4.0	2.322	3.261	6.2	21.6
2 11	10 14.51	+20 45.3	2.289	3.263	3.4	21.4
2 21	10 5.12	+21 20.7	2.287	3.263	3.2	21.4
3 2	9 55.89	+21 46.0	2.314	3.264	5.9	21.6
3 12	9 47.68	+21 58.5	2.371	3.264	9.0	21.7
3 22	9 41.17	+21 57.6	2.452	3.263	11.8	21.9

40380 1999 NX_{42} 2 19.1 125°.05 1°.1/18.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 12	10 38.08	+12 58.8	1.804	2.591	15.7	19.1
1 22	10 32.94	+13 14.3	1.727	2.602	12.2	18.9
2 1	10 25.17	+13 39.6	1.673	2.613	8.1	18.7
2 11	10 15.49	+14 9.8	1.646	2.623	3.7	18.4
2 21	10 4.90	+14 39.4	1.646	2.633	1.6	18.3
3 2	9 54.62	+15 2.9	1.677	2.643	6.0	18.6
3 12	9 45.80	+15 16.5	1.734	2.652	10.2	18.9
3 22	9 39.26	+15 18.4	1.816	2.661	13.8	19.1

159473 2000 RB 2 19.1 179°.56 7°.2/26.8 18

1 12	10 32.87	−14 15.2	2.252	2.902	16.6	20.8
1 22	10 28.60	−14 17.3	2.150	2.905	14.5	20.6
2 1	10 22.19	−13 53.5	2.066	2.906	12.0	20.4
2 11	10 14.15	−13 2.0	2.004	2.907	9.5	20.3
2 21	10 5.21	−11 43.8	1.970	2.907	7.6	20.1
3 2	9 56.31	−10 3.2	1.963	2.905	7.4	20.1
3 12	9 48.40	− 8 8.1	1.986	2.903	9.1	20.2
3 22	9 42.21	− 6 7.7	2.036	2.900	11.7	20.4

380055 2013 RV_{74} 2 19.1 80°.42 3°.1/22.2 18

1 12	10 30.78	− 0 45.7	2.117	2.857	15.1	21.2
1 22	10 26.81	− 0 34.5	2.043	2.879	12.3	21.1
2 1	10 20.84	− 0 5.0	1.991	2.901	9.0	20.9
2 11	10 13.45	+ 0 41.0	1.964	2.923	5.5	20.7
2 21	10 5.40	+ 1 39.7	1.965	2.945	3.2	20.6
3 2	9 57.60	+ 2 45.4	1.995	2.966	4.7	20.8
3 12	9 50.89	+ 3 51.9	2.054	2.987	7.9	21.0
3 22	9 45.89	+ 4 53.6	2.139	3.008	11.0	21.2

95522 2002 EQ_{69} 2 19.1 23°.60 1°.1/19.9 18

1 12	10 30.65	+ 6 36.0	1.792	2.574	16.0	20.2
1 22	10 27.27	+ 6 46.9	1.708	2.576	12.7	20.0
2 1	10 21.46	+ 7 13.5	1.645	2.579	8.7	19.7
2 11	10 13.85	+ 7 52.6	1.608	2.582	4.4	19.5
2 21	10 5.29	+ 8 39.3	1.598	2.586	1.2	19.3
3 2	9 56.90	+ 9 27.6	1.616	2.589	5.3	19.5
3 12	9 49.75	+10 11.3	1.661	2.593	9.5	19.8
3 22	9 44.62	+10 45.9	1.731	2.597	13.3	20.0

297655 2001 TF_{240} 2 19.1 221°.64 2°.3/17.5 18

1 12	10 37.57	+15 2.9	1.758	2.553	15.7	21.4
1 22	10 32.94	+15 35.8	1.665	2.545	12.3	21.2
2 1	10 25.47	+16 19.0	1.595	2.537	8.2	20.9
2 11	10 15.77	+17 6.5	1.551	2.528	3.9	20.6
2 21	10 4.84	+17 51.1	1.535	2.519	2.9	20.5
3 2	9 53.98	+18 26.0	1.547	2.509	7.0	20.8
3 12	9 44.50	+18 46.4	1.587	2.498	11.4	21.0
3 22	9 37.38	+18 50.6	1.650	2.487	15.3	21.2

490564 2009 WQ_{32} 2 19.1 10°.48 2°.1/17.9 17

1 12	10 28.28	+12 45.7	0.941	1.789	22.1	21.1
1 22	10 27.27	+13 13.2	0.882	1.791	17.3	20.8
2 1	10 22.40	+13 59.7	0.840	1.794	11.5	20.5
2 11	10 14.52	+14 57.2	0.818	1.799	5.2	20.2
2 21	10 5.14	+15 54.2	0.819	1.805	3.0	20.1
3 2	9 56.21	+16 39.4	0.841	1.813	9.0	20.4
3 12	9 49.55	+17 4.8	0.885	1.823	14.8	20.8
3 22	9 46.27	+17 7.9	0.947	1.834	19.8	21.1

274385 2008 RC_{105} 2 19.1 124°.99 1°.4/17.7 18

1 12	10 32.92	+13 56.1	2.434	3.215	12.3	21.3
1 22	10 28.28	+14 32.9	2.356	3.229	9.4	21.1
2 1	10 21.74	+15 17.3	2.304	3.243	6.2	20.9
2 11	10 13.85	+16 4.6	2.280	3.257	2.9	20.8
2 21	10 5.33	+16 50.0	2.285	3.270	1.9	20.7
3 2	9 57.01	+17 28.9	2.322	3.283	5.0	20.9
3 12	9 49.70	+17 57.8	2.387	3.295	8.2	21.2
3 22	9 44.00	+18 15.1	2.477	3.307	11.1	21.4

200691 2001 UQ_{25} 2 19.1 124°.47 0°.3/18.9 18

1 12	10 38.62	+10 49.1	1.648	2.434	17.0	20.5
1 22	10 33.60	+10 58.4	1.572	2.445	13.3	20.3
2 1	10 25.76	+11 20.1	1.518	2.456	8.9	20.1
2 11	10 15.82	+11 49.8	1.489	2.466	4.1	19.8
2 21	10 4.87	+12 21.8	1.488	2.476	1.1	19.6
3 2	9 54.23	+12 50.1	1.515	2.485	6.0	20.0
3 12	9 45.19	+13 9.9	1.570	2.494	10.6	20.2
3 22	9 38.60	+13 18.7	1.648	2.502	14.5	20.5

182376 2001 QU_{192} 2 19.1 182°.72 4°.5/23.2 18

1 12	10 32.38	− 3 39.3	2.263	2.979	14.9	20.6
1 22	10 28.13	− 3 51.6	2.164	2.980	12.4	20.4
2 1	10 21.84	− 3 45.7	2.086	2.980	9.5	20.2
2 11	10 13.98	− 3 21.6	2.034	2.979	6.6	20.0
2 21	10 5.28	− 2 41.2	2.009	2.979	4.5	19.9
3 2	9 56.63	− 1 48.5	2.014	2.977	5.4	19.9
3 12	9 48.93	− 0 49.0	2.047	2.975	8.2	20.1
3 22	9 42.88	+ 0 11.3	2.106	2.973	11.3	20.3

71077 1999 XZ_{117} 2 19.1 109°.84 3°.5/16.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 12	10 38.01	+18 31.0	1.912	2.707	14.6	20.4
1 22	10 32.70	+19 24.0	1.849	2.729	11.2	20.2
2 1	10 24.90	+20 22.7	1.809	2.750	7.5	20.0
2 11	10 15.33	+21 19.9	1.796	2.770	4.2	19.9
2 21	10 5.00	+22 8.5	1.813	2.789	4.0	19.9
3 2	9 55.07	+22 42.7	1.859	2.808	7.2	20.1
3 12	9 46.60	+22 59.9	1.932	2.826	10.6	20.4
3 22	9 40.33	+22 59.9	2.029	2.844	13.7	20.6

385943 2006 UK_{187} 2 19.1 61°.46 7°.2/26.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 29.34	−12 15.3	2.391	3.057	15.4	20.5
1 22	10 25.67	−12 58.9	2.301	3.065	13.4	20.3
2 1	10 20.11	−13 22.1	2.232	3.074	11.2	20.2
2 11	10 13.16	−13 23.0	2.184	3.083	9.0	20.0
2 21	10 5.49	−13 1.6	2.163	3.092	7.5	20.0
3 2	9 57.90	−12 20.4	2.168	3.101	7.4	20.0
3 12	9 51.21	−11 24.3	2.200	3.110	8.8	20.1
3 22	9 46.06	−10 19.5	2.258	3.119	10.8	20.2

332560 2008 RO_{100} 2 19.1 223°.11 1°.5/20.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 30.55	+ 3 43.3	2.462	3.212	13.0	22.3
1 22	10 26.61	+ 4 7.1	2.354	3.202	10.4	22.1
2 1	10 20.78	+ 4 45.6	2.269	3.192	7.4	21.8
2 11	10 13.50	+ 5 36.6	2.212	3.181	4.0	21.6
2 21	10 5.41	+ 6 36.3	2.184	3.170	1.5	21.4
3 2	9 57.30	+ 7 39.7	2.187	3.159	4.2	21.6
3 12	9 50.00	+ 8 41.3	2.219	3.146	7.7	21.8
3 22	9 44.19	+ 9 36.7	2.278	3.134	10.9	22.0

159070 2004 TC_{197} 2 19.1 226°.47 3°.8/22.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 29.74	− 1 37.2	2.094	2.832	15.3	20.3
1 22	10 26.27	− 1 37.9	1.997	2.830	12.7	20.1
2 1	10 20.69	− 1 19.5	1.920	2.827	9.5	19.9
2 11	10 13.49	− 0 42.7	1.869	2.824	6.1	19.7
2 21	10 5.41	+ 0 9.6	1.845	2.822	3.8	19.5
3 2	9 57.38	+ 1 12.6	1.850	2.819	5.2	19.6
3 12	9 50.34	+ 2 19.7	1.883	2.816	8.5	19.8
3 22	9 45.01	+ 3 24.6	1.941	2.813	11.8	20.0

499405 2010 BG_{87} 2 19.1 102°.71 1°.8/17.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 28.77	+13 7.6	2.395	3.184	12.2	20.7
1 22	10 25.20	+14 14.2	2.316	3.193	9.4	20.6
2 1	10 19.77	+15 30.6	2.261	3.203	6.2	20.4
2 11	10 12.99	+16 51.3	2.235	3.212	2.9	20.2
2 21	10 5.55	+18 10.2	2.239	3.222	2.3	20.2
3 2	9 58.23	+19 21.1	2.273	3.231	5.4	20.4
3 12	9 51.84	+20 19.4	2.336	3.240	8.6	20.6
3 22	9 46.98	+21 2.8	2.424	3.249	11.4	20.8

422069 2014 QK_{380} 2 19.1 188°.14 1°.4/20.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 33.99	+ 4 45.5	2.135	2.891	14.5	22.8
1 22	10 29.52	+ 5 5.1	2.038	2.891	11.6	22.6
2 1	10 22.84	+ 5 40.2	1.964	2.890	8.1	22.3
2 11	10 14.47	+ 6 28.1	1.917	2.888	4.2	22.1
2 21	10 5.19	+ 7 24.3	1.898	2.885	1.4	21.9
3 2	9 55.97	+ 8 23.3	1.910	2.882	4.8	22.1
3 12	9 47.79	+ 9 19.2	1.951	2.878	8.7	22.3
3 22	9 41.42	+10 7.2	2.018	2.873	12.2	22.5

31291 Yaoyue 2 19.1 327°.16 0°.3/18.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 28.01	+ 9 48.4	2.054	2.843	13.9	18.9
1 22	10 25.03	+10 15.7	1.957	2.833	10.9	18.7
2 1	10 19.91	+10 55.6	1.883	2.823	7.4	18.5
2 11	10 13.15	+11 44.4	1.836	2.814	3.4	18.2
2 21	10 5.50	+12 37.0	1.817	2.805	1.0	18.0
3 2	9 57.88	+13 27.5	1.826	2.796	5.2	18.3
3 12	9 51.27	+14 10.6	1.863	2.788	9.1	18.5
3 22	9 46.40	+14 42.5	1.924	2.780	12.7	18.7

88451 2001 QW_{86} 2 19.1 123°.31 5°.5/24.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 30.89	− 7 21.4	2.074	2.780	16.4	20.2
1 22	10 27.10	− 7 24.8	1.987	2.791	13.8	20.0
2 1	10 21.18	− 7 5.4	1.920	2.801	10.9	19.8
2 11	10 13.69	− 6 22.8	1.876	2.812	7.8	19.7
2 21	10 5.38	− 5 19.5	1.859	2.821	5.7	19.6
3 2	9 57.22	− 4 0.6	1.871	2.831	6.1	19.6
3 12	9 50.12	− 2 33.8	1.910	2.840	8.6	19.8
3 22	9 44.80	− 1 6.5	1.976	2.849	11.6	20.0

83066 2001 QX_{212} 2 19.1 48°.19 1°.6/20.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 28.82	+ 4 17.7	2.059	2.826	14.6	19.5
1 22	10 25.45	+ 4 34.8	1.979	2.838	11.6	19.4
2 1	10 20.05	+ 5 7.5	1.921	2.849	8.1	19.2
2 11	10 13.15	+ 5 53.0	1.890	2.861	4.3	18.9
2 21	10 5.53	+ 6 46.9	1.886	2.873	1.6	18.8
3 2	9 58.10	+ 7 43.5	1.912	2.885	4.6	19.0
3 12	9 51.73	+ 8 37.2	1.965	2.898	8.3	19.3
3 22	9 47.08	+ 9 23.3	2.044	2.910	11.6	19.5

69041 2002 XF_{49} 2 19.1 258°.25 0°.5/18.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 12	10 34.08	+ 9 49.8	1.497	2.296	17.8	19.8
1 22	10 30.67	+10 16.9	1.406	2.286	14.1	19.5
2 1	10 24.22	+11 1.2	1.335	2.277	9.5	19.2
2 11	10 15.31	+11 57.9	1.289	2.267	4.4	18.9
2 21	10 5.00	+12 59.8	1.269	2.257	1.3	18.7
3 2	9 54.69	+13 58.1	1.276	2.247	6.8	19.0
3 12	9 45.86	+14 45.2	1.309	2.236	12.0	19.3
3 22	9 39.61	+15 16.6	1.365	2.226	16.5	19.5

20842 2000 UG_{75} 2 19.1 206°.04 6°.6/27.8 18 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 27.34	−15 40.5	2.938	3.567	13.4	19.5
1 22	10 23.85	−15 55.8	2.830	3.564	11.9	19.3
2 1	10 18.79	−15 51.5	2.741	3.560	10.1	19.2
2 11	10 12.55	−15 26.1	2.675	3.557	8.3	19.1
2 21	10 5.68	−14 39.9	2.635	3.553	6.9	19.0
3 2	9 58.82	−13 35.2	2.623	3.548	6.7	18.9
3 12	9 52.64	−12 16.6	2.639	3.544	7.7	19.0
3 22	9 47.70	−10 50.0	2.682	3.539	9.5	19.1

39215 2000 XV_{46} 2 19.1 137°.10 3°.7/15.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 37.54	+21 54.6	2.256	3.048	12.8	19.4
1 22	10 32.09	+22 28.3	2.180	3.057	9.9	19.3
2 1	10 24.40	+23 3.9	2.128	3.066	6.8	19.1
2 11	10 15.12	+23 35.6	2.105	3.074	4.2	18.9
2 21	10 5.10	+23 58.0	2.111	3.082	4.2	18.9
3 2	9 55.37	+24 7.0	2.147	3.089	6.8	19.1
3 12	9 46.89	+24 1.1	2.210	3.097	9.8	19.3
3 22	9 40.33	+23 40.7	2.298	3.103	12.6	19.5

253033 2002 RC_{275} 2 19.1 283°.40 1°.4/18.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 33.48	+12 42.9	1.646	2.447	16.3	21.2
1 22	10 29.97	+13 8.7	1.550	2.433	12.8	20.9
2 1	10 23.62	+13 47.5	1.477	2.420	8.6	20.7
2 11	10 15.00	+14 34.0	1.428	2.406	3.9	20.3
2 21	10 5.09	+15 21.5	1.406	2.393	2.0	20.2
3 2	9 55.17	+16 2.7	1.412	2.379	6.8	20.4
3 12	9 46.60	+16 31.5	1.444	2.366	11.5	20.7
3 22	9 40.39	+16 45.2	1.499	2.353	15.7	20.9

240543 2004 HQ_{55} 2 19.1 319°.98 4°.1/14.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 28.69	+19 45.1	2.134	2.943	12.8	19.9
1 22	10 25.57	+21 0.0	2.048	2.936	9.9	19.7
2 1	10 20.28	+22 21.8	1.987	2.930	6.8	19.5
2 11	10 13.33	+23 43.3	1.954	2.924	4.3	19.4
2 21	10 5.50	+24 57.1	1.949	2.918	4.8	19.4
3 2	9 57.74	+25 56.5	1.973	2.913	7.6	19.5
3 12	9 51.01	+26 37.1	2.023	2.907	10.7	19.7
3 22	9 46.08	+26 57.8	2.096	2.902	13.7	19.9

302444 2002 EF_{64} 2 19.1 357°.59 1°.9/20.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 28.30	+ 5 6.9	1.235	2.044	20.3	20.6
1 22	10 26.52	+ 5 13.5	1.158	2.040	16.3	20.3
2 1	10 21.58	+ 5 43.6	1.099	2.038	11.4	20.1
2 11	10 14.12	+ 6 34.4	1.062	2.037	5.9	19.7
2 21	10 5.31	+ 7 39.0	1.049	2.036	1.9	19.5
3 2	9 56.65	+ 8 48.2	1.061	2.037	6.7	19.8
3 12	9 49.68	+ 9 51.7	1.097	2.039	12.1	20.1
3 22	9 45.45	+10 42.1	1.153	2.041	16.9	20.4

465984 2011 CY_{89} 2 19.1 140°.73 1°.6/20.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 32.49	+ 4 44.9	2.223	2.980	14.0	22.2
1 22	10 28.17	+ 4 54.0	2.135	2.987	11.2	22.0
2 1	10 21.82	+ 5 16.9	2.070	2.995	7.8	21.8
2 11	10 13.97	+ 5 51.4	2.032	3.002	4.2	21.6
2 21	10 5.37	+ 6 33.7	2.022	3.009	1.6	21.4
3 2	9 56.91	+ 7 18.9	2.043	3.015	4.5	21.6
3 12	9 49.48	+ 8 2.2	2.092	3.021	8.1	21.9
3 22	9 43.73	+ 8 39.5	2.168	3.027	11.3	22.1

427439 2001 FP_{210} 2 19.1 114°.02 0°.5/19.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 30.96	+ 7 29.7	2.179	2.951	13.8	22.4
1 22	10 27.04	+ 7 52.2	2.094	2.958	10.9	22.2
2 1	10 21.09	+ 8 27.6	2.032	2.965	7.4	22.0
2 11	10 13.64	+ 9 12.5	1.997	2.972	3.5	21.8
2 21	10 5.45	+10 2.4	1.991	2.979	0.8	21.6
3 2	9 57.40	+10 51.9	2.014	2.986	4.6	21.9
3 12	9 50.39	+11 36.0	2.066	2.992	8.3	22.1
3 22	9 45.08	+12 11.3	2.143	2.999	11.6	22.3

367460 2008 VC_{49} 2 19.1 62°.07 1°.8/20.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 30.07	+ 4 6.5	2.040	2.806	14.8	20.3
1 22	10 26.45	+ 4 17.8	1.961	2.817	11.8	20.1
2 1	10 20.72	+ 4 44.7	1.903	2.829	8.3	19.9
2 11	10 13.48	+ 5 24.6	1.871	2.841	4.5	19.7
2 21	10 5.49	+ 6 13.3	1.867	2.853	1.8	19.6
3 2	9 57.70	+ 7 5.3	1.892	2.865	4.6	19.8
3 12	9 51.00	+ 7 55.1	1.945	2.877	8.3	20.0
3 22	9 46.06	+ 8 38.1	2.024	2.890	11.7	20.2

371180 2005 YL_{87} 2 19.1 97°.33 2°.2/17.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 12	10 31.13	+14 19.2	1.946	2.745	14.3	20.9
1 22	10 27.53	+15 12.2	1.865	2.747	11.0	20.7
2 1	10 21.60	+16 15.8	1.807	2.750	7.3	20.5
2 11	10 13.93	+17 23.8	1.776	2.753	3.5	20.3
2 21	10 5.38	+18 29.1	1.773	2.756	2.8	20.2
3 2	9 56.99	+19 25.0	1.800	2.759	6.4	20.5
3 12	9 49.77	+20 6.4	1.853	2.762	10.2	20.7
3 22	9 44.51	+20 31.2	1.930	2.765	13.5	20.9

22701 Cyannaskye 2 19.1 265°.77 1°.8/17.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 36.08	+13 30.6	1.502	2.306	17.5	18.0
1 22	10 32.33	+13 56.4	1.408	2.293	13.8	17.7
2 1	10 25.41	+14 35.5	1.336	2.280	9.3	17.4
2 11	10 15.91	+15 22.0	1.287	2.266	4.3	17.1
2 21	10 4.90	+16 8.3	1.266	2.252	2.5	16.9
3 2	9 53.88	+16 46.3	1.271	2.237	7.5	17.2
3 12	9 44.38	+17 10.0	1.302	2.223	12.6	17.5
3 22	9 37.56	+17 16.6	1.355	2.208	17.1	17.7

169330 2001 TZ_{162} 2 19.1 179°.58 0°.8/18.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 31.14	+12 24.7	2.627	3.404	11.6	21.2
1 22	10 26.87	+12 48.7	2.535	3.404	9.0	21.0
2 1	10 20.83	+13 20.4	2.467	3.405	6.0	20.8
2 11	10 13.50	+13 56.4	2.427	3.405	2.7	20.6
2 21	10 5.51	+14 32.7	2.418	3.405	1.2	20.5
3 2	9 57.61	+15 5.2	2.439	3.405	4.5	20.7
3 12	9 50.57	+15 30.6	2.489	3.404	7.7	20.9
3 22	9 44.98	+15 46.9	2.565	3.403	10.5	21.1

465429 2008 QX_{44} 2 19.1 174°.13 1°.7/21.0 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 30.02	+ 2 23.9	2.542	3.285	12.8	22.3
1 22	10 26.06	+ 2 54.5	2.444	3.288	10.3	22.1
2 1	10 20.34	+ 3 40.3	2.371	3.290	7.3	21.9
2 11	10 13.29	+ 4 38.8	2.324	3.292	4.0	21.7
2 21	10 5.55	+ 5 46.0	2.307	3.293	1.7	21.5
3 2	9 57.88	+ 6 56.9	2.321	3.293	4.0	21.7
3 12	9 51.03	+ 8 6.0	2.365	3.293	7.3	21.9
3 22	9 45.61	+ 9 8.6	2.436	3.293	10.3	22.1

459891 2014 KM_{101} 2 19.1 212°.91 3°.7/16.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 36.32	+17 26.4	1.838	2.637	15.0	22.1
1 22	10 31.92	+18 32.7	1.747	2.630	11.7	21.8
2 1	10 24.79	+19 49.1	1.680	2.622	7.9	21.6
2 11	10 15.51	+21 7.8	1.640	2.614	4.4	21.3
2 21	10 5.02	+22 20.1	1.629	2.605	4.4	21.3
3 2	9 54.58	+23 17.8	1.647	2.595	7.9	21.5
3 12	9 45.45	+23 55.9	1.691	2.585	11.9	21.7
3 22	9 38.58	+24 13.0	1.757	2.574	15.4	21.9

151834 Mongkut 2 19.1 104°.28 3°.9/16.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 37.89	+20 56.4	1.887	2.687	14.6	19.7
1 22	10 32.81	+21 26.5	1.812	2.694	11.3	19.5
2 1	10 25.12	+21 59.8	1.760	2.700	7.7	19.3
2 11	10 15.53	+22 29.8	1.735	2.706	4.5	19.2
2 21	10 5.05	+22 50.0	1.738	2.712	4.4	19.2
3 2	9 54.90	+22 56.0	1.769	2.718	7.5	19.4
3 12	9 46.22	+22 45.6	1.828	2.724	11.0	19.6
3 22	9 39.80	+22 19.7	1.910	2.730	14.2	19.8

372986 2011 CS_{70} 2 19.1 122°.26 1°.5/20.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 32.38	+ 4 52.2	2.153	2.912	14.3	21.8
1 22	10 28.14	+ 5 3.7	2.069	2.923	11.4	21.6
2 1	10 21.82	+ 5 29.5	2.007	2.933	8.0	21.4
2 11	10 13.99	+ 6 7.1	1.972	2.943	4.2	21.2
2 21	10 5.40	+ 6 52.4	1.966	2.953	1.5	21.0
3 2	9 56.99	+ 7 40.3	1.990	2.962	4.5	21.2
3 12	9 49.65	+ 8 25.7	2.042	2.971	8.2	21.5
3 22	9 44.04	+ 9 4.3	2.119	2.979	11.5	21.7

265324 2004 NF_{24} 2 19.1 258°.12 3°.7/21.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 35.35	+ 0 59.2	2.219	2.953	14.7	20.9
1 22	10 30.70	+ 0 28.7	2.101	2.934	12.1	20.7
2 1	10 23.77	+ 0 11.8	2.006	2.914	9.1	20.4
2 11	10 15.01	+ 0 8.8	1.936	2.893	5.8	20.2
2 21	10 5.14	+ 0 18.5	1.895	2.872	3.7	20.0
3 2	9 55.13	+ 0 38.3	1.883	2.850	5.4	20.1
3 12	9 46.00	+ 1 3.9	1.900	2.828	8.8	20.2
3 22	9 38.61	+ 1 30.7	1.943	2.805	12.3	20.4

283321 1995 SR_{27} 2 19.1 246°.31 2°.8/17.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 37.88	+15 49.6	1.650	2.450	16.4	21.1
1 22	10 33.51	+16 25.5	1.553	2.436	12.8	20.8
2 1	10 26.09	+17 12.2	1.478	2.421	8.7	20.6
2 11	10 16.20	+18 3.2	1.429	2.406	4.3	20.3
2 21	10 4.87	+18 50.4	1.407	2.390	3.4	20.2
3 2	9 53.50	+19 26.2	1.413	2.373	7.7	20.4
3 12	9 43.57	+19 45.4	1.446	2.356	12.4	20.6
3 22	9 36.17	+19 46.3	1.500	2.338	16.5	20.8

354018 2001 OX_{60} 2 19.1 162°.91 0°.0/19.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 12	10 38.18	+ 9 20.6	2.022	2.791	14.9	22.3
1 22	10 32.83	+ 9 41.7	1.936	2.799	11.7	22.1
2 1	10 25.08	+10 15.0	1.872	2.805	7.9	21.9
2 11	10 15.53	+10 56.7	1.835	2.812	3.6	21.6
2 21	10 5.06	+11 41.6	1.828	2.817	0.8	21.4
3 2	9 54.78	+12 24.0	1.852	2.821	5.2	21.7
3 12	9 45.73	+12 59.1	1.904	2.824	9.3	22.0
3 22	9 38.72	+13 23.8	1.981	2.826	12.8	22.2

21283 1996 TY_{46} 2 19.1 105°.15 0°.2/19.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 33.86	+ 8 42.0	1.620	2.410	17.0	19.2
1 22	10 30.06	+ 9 2.1	1.539	2.414	13.4	18.9
2 1	10 23.52	+ 9 37.9	1.480	2.419	9.1	18.7
2 11	10 14.90	+10 25.2	1.446	2.423	4.2	18.4
2 21	10 5.21	+11 17.7	1.439	2.427	0.9	18.2
3 2	9 55.72	+12 8.2	1.459	2.431	6.0	18.5
3 12	9 47.67	+12 50.3	1.507	2.435	10.6	18.8
3 22	9 41.96	+13 19.9	1.577	2.439	14.7	19.0

265823 2005 YD_{3} 2 19.1 38°.71 0°.7/19.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 44.49	+12 55.6	1.551	2.336	17.9	19.4
1 22	10 38.16	+12 1.0	1.480	2.351	14.1	19.2
2 1	10 28.77	+11 12.8	1.432	2.368	9.6	19.0
2 11	10 17.20	+10 29.2	1.409	2.385	4.5	18.7
2 21	10 4.71	+ 9 48.2	1.414	2.402	1.1	18.5
3 2	9 52.80	+ 9 8.0	1.449	2.420	6.0	18.9
3 12	9 42.80	+ 8 27.4	1.511	2.439	10.6	19.2
3 22	9 35.55	+ 7 45.5	1.598	2.458	14.6	19.5

13698 1998 KF_{35} 2 19.1 155°.13 3°.7/15.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 35.77	+18 43.9	1.978	2.776	14.1	17.8
1 22	10 31.12	+19 44.5	1.901	2.783	10.9	17.6
2 1	10 24.00	+20 51.9	1.848	2.789	7.4	17.4
2 11	10 15.05	+21 58.8	1.823	2.795	4.3	17.2
2 21	10 5.19	+22 57.5	1.826	2.800	4.3	17.2
3 2	9 55.55	+23 41.9	1.858	2.805	7.4	17.4
3 12	9 47.20	+24 8.1	1.918	2.809	10.9	17.6
3 22	9 40.94	+24 15.8	2.000	2.812	14.0	17.8

93566 2000 UC_{39} 2 19.1 50°.24 3°.5/16.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 32.99	+18 6.7	1.770	2.579	15.0	19.5
1 22	10 29.17	+18 55.2	1.698	2.586	11.6	19.3
2 1	10 22.79	+19 50.9	1.649	2.593	7.8	19.1
2 11	10 14.51	+20 46.7	1.626	2.601	4.3	18.9
2 21	10 5.33	+21 35.0	1.631	2.609	4.1	18.9
3 2	9 56.42	+22 9.5	1.664	2.617	7.5	19.1
3 12	9 48.92	+22 26.6	1.722	2.625	11.2	19.4
3 22	9 43.62	+22 25.8	1.804	2.633	14.5	19.6

392599 2011 SE_{225} 2 19.1 204°.52 2°.3/21.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 28.81	+ 0 46.7	3.084	3.810	11.1	21.9
1 22	10 24.84	+ 0 50.7	2.976	3.806	9.0	21.8
2 1	10 19.38	+ 1 6.8	2.893	3.801	6.6	21.6
2 11	10 12.84	+ 1 33.8	2.836	3.795	4.1	21.4
2 21	10 5.71	+ 2 9.5	2.810	3.790	2.3	21.3
3 2	9 58.60	+ 2 51.0	2.814	3.784	3.6	21.4
3 12	9 52.14	+ 3 34.5	2.849	3.777	6.2	21.5
3 22	9 46.82	+ 4 16.4	2.911	3.770	8.7	21.7

172426 2003 OJ_{31} 2 19.1 165°.40 1°.5/20.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 33.75	+ 3 28.1	2.197	2.947	14.4	21.5
1 22	10 29.24	+ 3 56.9	2.105	2.953	11.5	21.3
2 1	10 22.61	+ 4 42.0	2.036	2.959	8.1	21.1
2 11	10 14.40	+ 5 40.7	1.994	2.964	4.3	20.8
2 21	10 5.36	+ 6 48.2	1.981	2.968	1.6	20.7
3 2	9 56.43	+ 7 58.6	1.999	2.971	4.6	20.9
3 12	9 48.53	+ 9 5.6	2.047	2.974	8.3	21.1
3 22	9 42.36	+10 4.3	2.120	2.975	11.7	21.3

348165 2004 JX_{7} 2 19.1 228°.36 4°.4/14.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 31.90	+23 51.9	2.456	3.258	11.6	21.0
1 22	10 27.74	+24 45.8	2.374	3.255	9.1	20.8
2 1	10 21.57	+25 41.4	2.317	3.253	6.4	20.7
2 11	10 13.90	+26 32.7	2.288	3.250	4.6	20.6
2 21	10 5.49	+27 13.9	2.287	3.248	4.9	20.6
3 2	9 57.22	+27 40.6	2.316	3.245	7.2	20.7
3 12	9 49.95	+27 50.4	2.371	3.242	9.9	20.9
3 22	9 44.35	+27 43.5	2.450	3.240	12.4	21.0

10454 Vallenar 2 19.1 119°.33 1°.8/20.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 37.08	+ 5 46.6	1.702	2.472	17.1	18.4
1 22	10 32.34	+ 5 42.0	1.623	2.483	13.7	18.2
2 1	10 24.93	+ 5 53.2	1.566	2.495	9.5	18.0
2 11	10 15.52	+ 6 17.8	1.533	2.505	5.0	17.7
2 21	10 5.13	+ 6 51.3	1.529	2.516	1.8	17.5
3 2	9 55.00	+ 7 28.1	1.553	2.526	5.5	17.8
3 12	9 46.34	+ 8 2.4	1.605	2.535	9.9	18.1
3 22	9 39.97	+ 8 29.7	1.680	2.544	13.8	18.3

2020	α_{2000}	δ_{2000}	Δ	r	β	V
223645 2004 ML_1			2 19.1 271°.25		0°.9/19.9 17	
	h m	° ′			°	m
1 12	10 30.99	+ 6 2.5	1.953	2.726	15.1	21.3
1 22	10 27.62	+ 6 27.0	1.843	2.707	12.1	21.0
2 1	10 21.87	+ 7 8.5	1.756	2.688	8.4	20.8
2 11	10 14.20	+ 8 4.1	1.694	2.669	4.2	20.5
2 21	10 5.40	+ 9 8.9	1.661	2.649	1.0	20.2
3 2	9 56.48	+10 16.2	1.656	2.629	5.3	20.4
3 12	9 48.55	+11 19.1	1.680	2.609	9.7	20.6
3 22	9 42.52	+12 12.1	1.727	2.588	13.6	20.8
146411 2001 QF_{194}			2 19.1 98°.05		4°.0/22.1 18	
1 12	10 36.41	+ 0 28.5	1.942	2.682	16.3	19.7
1 22	10 31.46	− 0 5.3	1.862	2.697	13.4	19.5
2 1	10 24.15	− 0 22.8	1.803	2.711	9.9	19.3
2 11	10 15.11	− 0 24.0	1.769	2.726	6.3	19.1
2 21	10 5.23	− 0 11.0	1.763	2.740	4.1	19.0
3 2	9 55.59	+ 0 12.7	1.787	2.754	5.6	19.1
3 12	9 47.21	+ 0 42.0	1.838	2.767	8.9	19.3
3 22	9 40.85	+ 1 11.6	1.914	2.781	12.2	19.6
496786 2017 FD_{77}			2 19.2 101°.67		2°.4/17.8 18	
1 12	10 39.44	+15 43.5	1.449	2.255	17.9	21.0
1 22	10 34.74	+16 2.1	1.377	2.262	14.0	20.8
2 1	10 26.82	+16 30.2	1.324	2.268	9.3	20.5
2 11	10 16.47	+17 1.1	1.297	2.275	4.4	20.2
2 21	10 4.93	+17 27.4	1.296	2.281	3.0	20.2
3 2	9 53.77	+17 42.7	1.323	2.287	7.6	20.4
3 12	9 44.46	+17 43.2	1.375	2.293	12.3	20.7
3 22	9 37.96	+17 28.4	1.450	2.299	16.4	21.0
463595 2013 SB_{39}			2 19.2 172°.44		1°.6/17.7 17	
1 12	10 33.47	+14 23.7	2.315	3.099	12.7	22.2
1 22	10 28.95	+14 54.8	2.227	3.101	9.9	22.0
2 1	10 22.37	+15 33.6	2.163	3.103	6.5	21.8
2 11	10 14.29	+16 15.7	2.127	3.105	3.0	21.6
2 21	10 5.43	+16 55.9	2.121	3.106	2.0	21.5
3 2	9 56.71	+17 29.6	2.145	3.107	5.3	21.8
3 12	9 49.01	+17 53.0	2.197	3.107	8.8	22.0
3 22	9 43.01	+18 4.6	2.275	3.107	11.8	22.2
500203 2012 HO_{17}			2 19.2 252°.98		2°.1/21.3 17	
1 12	10 30.87	+ 1 32.9	2.407	3.148	13.5	22.6
1 22	10 27.05	+ 1 55.7	2.287	3.127	11.0	22.4
2 1	10 21.25	+ 2 35.3	2.188	3.105	7.9	22.1
2 11	10 13.85	+ 3 30.3	2.117	3.082	4.6	21.9
2 21	10 5.51	+ 4 37.2	2.075	3.059	2.2	21.7
3 2	9 57.03	+ 5 50.9	2.063	3.035	4.4	21.8
3 12	9 49.31	+ 7 5.1	2.081	3.010	8.1	21.9
3 22	9 43.09	+ 8 14.3	2.125	2.985	11.5	22.1
8717 Richviktorov			2 19.2 92°.45		0°.1/19.1 18	
1 12	10 30.54	+ 9 22.3	2.506	3.277	12.2	18.3
1 22	10 26.38	+ 9 50.7	2.430	3.295	9.5	18.1
2 1	10 20.48	+10 29.0	2.379	3.313	6.3	18.0
2 11	10 13.35	+11 13.7	2.355	3.332	2.9	17.8
2 21	10 5.66	+12 0.4	2.361	3.349	0.7	17.6
3 2	9 58.17	+12 44.9	2.398	3.367	4.2	17.9
3 12	9 51.60	+13 23.0	2.464	3.385	7.4	18.1
3 22	9 46.51	+13 52.3	2.556	3.402	10.2	18.4
295317 2008 GK_{133}			2 19.2 220°.02		1°.6/17.8 18	
1 12	10 32.86	+13 19.7	1.964	2.756	14.4	21.5
1 22	10 28.93	+13 57.3	1.874	2.753	11.2	21.3
2 1	10 22.62	+14 45.7	1.808	2.750	7.4	21.0
2 11	10 14.49	+15 39.6	1.768	2.746	3.4	20.8
2 21	10 5.41	+16 32.7	1.756	2.742	2.2	20.7
3 2	9 56.41	+17 18.8	1.774	2.738	6.0	20.9
3 12	9 48.58	+17 53.0	1.819	2.733	10.0	21.1
3 22	9 42.72	+18 12.7	1.888	2.729	13.5	21.3
8620 1981 EK_5			2 19.2 262°.82		1°.8/20.8 18	
1 12	10 30.34	+ 4 35.1	2.545	3.298	12.6	19.2
1 22	10 26.42	+ 4 32.5	2.438	3.287	10.1	19.0
2 1	10 20.66	+ 4 41.7	2.353	3.275	7.2	18.8
2 11	10 13.53	+ 5 1.1	2.296	3.264	4.0	18.5
2 21	10 5.63	+ 5 28.2	2.268	3.253	1.8	18.4
3 2	9 57.73	+ 5 59.5	2.269	3.241	4.1	18.5
3 12	9 50.61	+ 6 31.0	2.300	3.230	7.4	18.7
3 22	9 44.93	+ 6 59.1	2.357	3.218	10.5	18.9
413488 2005 NU_{35}			2 19.2 147°.40		3°.0/21.9 18	
1 12	10 32.47	+ 0 2.9	2.192	2.929	14.8	21.7
1 22	10 28.24	+ 0 10.5	2.102	2.937	12.0	21.5
2 1	10 21.94	+ 0 35.6	2.034	2.945	8.8	21.3
2 11	10 14.12	+ 1 16.6	1.993	2.953	5.4	21.1
2 21	10 5.51	+ 2 10.2	1.979	2.960	3.0	20.9
3 2	9 57.03	+ 3 11.1	1.996	2.966	4.7	21.1
3 12	9 49.57	+ 4 13.4	2.041	2.972	8.1	21.3
3 22	9 43.81	+ 5 11.7	2.113	2.978	11.3	21.5

2020	α_{2000}	δ_{2000}	Δ	r	β	V
5785 Fulton			2 19.2	7°.07	3°.4/20.9 18	
	h m	° ′			°	m
1 12	10 36.60	+ 5 22.5	1.522	2.300	18.5	16.6
1 22	10 32.40	+ 4 29.3	1.438	2.301	15.0	16.3
2 1	10 25.24	+ 3 49.9	1.375	2.301	10.8	16.1
2 11	10 15.79	+ 3 24.4	1.335	2.303	6.3	15.8
2 21	10 5.13	+ 3 11.3	1.322	2.305	3.4	15.7
3 2	9 54.65	+ 3 7.6	1.336	2.308	6.3	15.8
3 12	9 45.74	+ 3 8.6	1.376	2.311	10.8	16.1
3 22	9 39.36	+ 3 9.9	1.439	2.315	14.9	16.3
195436 2002 GV_{66}			2 19.2 283°.39		5°.5/24.3 17	
1 12	10 28.28	− 6 42.9	2.084	2.799	16.1	21.2
1 22	10 25.37	− 6 47.6	1.970	2.780	13.7	21.0
2 1	10 20.29	− 6 29.6	1.875	2.762	10.8	20.8
2 11	10 13.48	− 5 47.7	1.804	2.743	7.8	20.5
2 21	10 5.64	− 4 43.3	1.759	2.724	5.7	20.4
3 2	9 57.67	− 3 20.8	1.742	2.705	6.2	20.3
3 12	9 50.58	− 1 47.8	1.753	2.686	9.0	20.5
3 22	9 45.20	− 0 12.4	1.789	2.667	12.4	20.6
3294 Carlvesely			2 19.2 346°.22		2°.9/17.1 18	
1 12	10 34.26	+17 19.9	1.713	2.521	15.5	16.9
1 22	10 30.36	+17 46.1	1.631	2.518	12.1	16.7
2 1	10 23.74	+18 19.6	1.571	2.515	8.1	16.5
2 11	10 15.06	+18 54.2	1.537	2.513	4.1	16.2
2 21	10 5.32	+19 23.3	1.529	2.511	3.4	16.2
3 2	9 55.78	+19 41.1	1.550	2.510	7.2	16.4
3 12	9 47.67	+19 44.0	1.597	2.509	11.3	16.6
3 22	9 41.87	+19 31.3	1.666	2.508	15.0	16.8
166903 2003 AQ_{52}			2 19.2 22°.49		3°.3/16.4 18	
1 12	10 30.85	+18 32.1	1.897	2.706	14.2	19.8
1 22	10 27.36	+19 14.7	1.824	2.712	10.9	19.6
2 1	10 21.52	+20 3.3	1.775	2.719	7.3	19.4
2 11	10 13.96	+20 51.7	1.752	2.726	4.1	19.2
2 21	10 5.58	+21 33.0	1.756	2.734	3.9	19.2
3 2	9 57.45	+22 1.8	1.789	2.742	7.0	19.4
3 12	9 50.59	+22 14.8	1.848	2.751	10.6	19.6
3 22	9 45.73	+22 11.5	1.929	2.760	13.7	19.8
96920 1999 TD_{116}			2 19.2 90°.80		0°.0/19.2 18	
1 12	10 32.89	+ 9 42.8	2.024	2.804	14.4	20.0
1 22	10 28.71	+ 9 59.5	1.945	2.814	11.3	19.8
2 1	10 22.31	+10 27.8	1.888	2.824	7.6	19.6
2 11	10 14.30	+11 3.9	1.857	2.834	3.5	19.3
2 21	10 5.51	+11 43.0	1.855	2.844	0.8	19.1
3 2	9 56.93	+12 19.9	1.883	2.853	5.0	19.5
3 12	9 49.52	+12 50.0	1.939	2.863	8.9	19.7
3 22	9 43.97	+13 10.6	2.019	2.872	12.3	20.0
198641 2005 AD_{65}			2 19.2 73°.59		0°.1/19.3 18	
1 12	10 30.47	+ 8 34.8	2.067	2.847	14.2	21.2
1 22	10 26.85	+ 9 1.1	1.982	2.851	11.1	21.0
2 1	10 21.10	+ 9 40.3	1.919	2.855	7.5	20.7
2 11	10 13.77	+10 28.9	1.883	2.859	3.5	20.5
2 21	10 5.63	+11 21.6	1.875	2.864	0.7	20.3
3 2	9 57.62	+12 12.7	1.897	2.868	4.9	20.6
3 12	9 50.69	+12 57.1	1.946	2.872	8.8	20.8
3 22	9 45.53	+13 31.1	2.021	2.876	12.2	21.1
345703 2006 UF_{359}			2 19.2 112°.11		1°.1/20.3 17	
1 12	10 30.21	+ 6 8.4	2.550	3.308	12.4	21.5
1 22	10 26.19	+ 6 16.5	2.461	3.316	9.8	21.3
2 1	10 20.42	+ 6 35.8	2.396	3.323	6.8	21.1
2 11	10 13.38	+ 7 4.0	2.358	3.329	3.5	20.9
2 21	10 5.73	+ 7 37.9	2.349	3.336	1.2	20.7
3 2	9 58.19	+ 8 13.5	2.371	3.343	3.9	21.0
3 12	9 51.51	+ 8 47.0	2.422	3.349	7.2	21.2
3 22	9 46.27	+ 9 15.3	2.499	3.356	10.1	21.4
160808 2000 VJ_{46}			2 19.2 139°.82		0°.9/18.5 18	
1 12	10 38.05	+12 17.9	1.881	2.663	15.3	20.7
1 22	10 32.89	+12 38.4	1.802	2.674	11.9	20.5
2 1	10 25.21	+13 9.2	1.746	2.684	8.0	20.3
2 11	10 15.66	+13 45.7	1.716	2.694	3.6	20.1
2 21	10 5.21	+14 22.1	1.715	2.703	1.5	19.9
3 2	9 55.02	+14 52.9	1.744	2.711	5.8	20.2
3 12	9 46.22	+15 13.9	1.801	2.719	9.9	20.5
3 22	9 39.58	+15 23.1	1.882	2.726	13.4	20.7
61356 2000 PG_{11}			2 19.2 242°.21		6°.4/13.4 18	
1 12	10 37.66	+28 12.5	2.097	2.898	13.3	19.9
1 22	10 32.79	+29 15.2	2.011	2.887	10.7	19.7
2 1	10 25.29	+30 17.5	1.949	2.876	8.1	19.5
2 11	10 15.78	+31 11.0	1.914	2.865	6.5	19.4
2 21	10 5.19	+31 47.9	1.907	2.853	7.1	19.4
3 2	9 54.73	+32 3.0	1.928	2.841	9.5	19.5
3 12	9 45.59	+31 54.6	1.974	2.828	12.4	19.7
3 22	9 38.65	+31 24.3	2.043	2.815	15.1	19.8

153289 Rebeccawatson 2 19.2 163°.95 1°.9/16.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 12	10 30.70	+17 43.1	3.001	3.785	10.1	20.1
1 22	10 26.35	+18 9.3	2.913	3.787	7.8	20.0
2 1	10 20.41	+18 39.2	2.850	3.789	5.2	19.8
2 11	10 13.36	+19 9.2	2.816	3.791	2.7	19.6
2 21	10 5.75	+19 35.6	2.813	3.793	2.3	19.6
3 2	9 58.26	+19 55.3	2.841	3.795	4.7	19.8
3 12	9 51.55	+20 5.9	2.897	3.796	7.3	19.9
3 22	9 46.13	+20 6.6	2.979	3.797	9.7	20.1

319515 2006 QC_{163} 2 19.2 80°.93 1°.2/20.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 35.70	+ 6 10.6	1.716	2.490	16.9	21.4
1 22	10 31.11	+ 6 21.7	1.650	2.514	13.3	21.2
2 1	10 24.00	+ 6 48.9	1.606	2.537	9.1	21.0
2 11	10 15.08	+ 7 28.5	1.587	2.560	4.6	20.7
2 21	10 5.38	+ 8 15.1	1.595	2.583	1.3	20.6
3 2	9 56.06	+ 9 2.4	1.633	2.606	5.3	20.9
3 12	9 48.21	+ 9 44.5	1.698	2.628	9.5	21.2
3 22	9 42.57	+10 17.4	1.787	2.650	13.2	21.4

202678 2006 QF_{167} 2 19.2 142°.65 0°.5/18.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 28.38	+ 9 20.1	2.438	3.215	12.4	20.2
1 22	10 24.94	+10 7.7	2.348	3.217	9.6	20.0
2 1	10 19.69	+11 7.0	2.282	3.220	6.4	19.8
2 11	10 13.10	+12 14.1	2.244	3.222	2.9	19.6
2 21	10 5.82	+13 23.8	2.236	3.224	1.0	19.4
3 2	9 58.62	+14 30.3	2.258	3.226	4.6	19.7
3 12	9 52.28	+15 28.8	2.309	3.228	8.0	19.9
3 22	9 47.41	+16 15.9	2.386	3.229	11.0	20.1

309803 2009 BL_{70} 2 19.2 335°.69 3°.8/16.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 31.26	+16 35.2	1.274	2.104	18.5	20.5
1 22	10 29.03	+17 19.5	1.195	2.094	14.5	20.2
2 1	10 23.43	+18 16.7	1.135	2.085	9.8	19.9
2 11	10 15.14	+19 18.4	1.099	2.076	5.1	19.6
2 21	10 5.34	+20 14.1	1.087	2.068	4.5	19.6
3 2	9 55.67	+20 54.3	1.100	2.061	9.2	19.8
3 12	9 47.78	+21 12.7	1.136	2.055	14.2	20.0
3 22	9 42.80	+21 8.1	1.192	2.050	18.6	20.3

207558 2006 MU_{7} 2 19.2 153°.75 0°.5/19.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 30.47	+ 7 40.7	2.611	3.374	12.0	21.8
1 22	10 26.38	+ 8 0.7	2.520	3.379	9.4	21.6
2 1	10 20.55	+ 8 31.4	2.453	3.384	6.4	21.4
2 11	10 13.47	+ 9 9.9	2.414	3.388	3.1	21.2
2 21	10 5.75	+ 9 52.5	2.404	3.392	0.7	21.0
3 2	9 58.14	+10 35.1	2.425	3.396	4.0	21.2
3 12	9 51.36	+11 13.6	2.476	3.400	7.2	21.5
3 22	9 45.99	+11 45.0	2.553	3.403	10.1	21.6

123494 2000 WJ_{173} 2 19.2 53°.62 3°.2/21.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 33.60	+ 2 25.4	1.731	2.494	17.2	18.8
1 22	10 29.50	+ 2 7.1	1.662	2.514	13.8	18.6
2 1	10 22.95	+ 2 6.5	1.613	2.534	10.0	18.4
2 11	10 14.63	+ 2 22.2	1.589	2.554	5.9	18.2
2 21	10 5.51	+ 2 50.7	1.592	2.575	3.2	18.1
3 2	9 56.72	+ 3 26.8	1.623	2.595	5.4	18.3
3 12	9 49.31	+ 4 4.7	1.681	2.616	9.2	18.5
3 22	9 44.02	+ 4 39.0	1.764	2.637	12.8	18.8

419671 2010 TP_{153} 2 19.2 353°.49 2°.8/21.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 29.29	+ 4 2.9	1.485	2.275	18.4	20.0
1 22	10 26.83	+ 3 48.1	1.400	2.270	14.9	19.7
2 1	10 21.59	+ 3 52.4	1.335	2.266	10.7	19.5
2 11	10 14.18	+ 4 14.5	1.292	2.263	6.0	19.2
2 21	10 5.58	+ 4 50.5	1.275	2.260	2.8	19.0
3 2	9 57.09	+ 5 34.3	1.284	2.259	6.0	19.2
3 12	9 50.00	+ 6 18.5	1.318	2.259	10.7	19.4
3 22	9 45.27	+ 6 56.7	1.375	2.259	15.0	19.7

500385 2012 TG_{80} 2 19.2 138°.91 1°.2/20.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 29.93	+ 4 43.2	3.021	3.765	10.9	22.9
1 22	10 25.67	+ 5 2.5	2.932	3.777	8.7	22.7
2 1	10 19.93	+ 5 32.5	2.868	3.789	6.0	22.6
2 11	10 13.14	+ 6 10.9	2.832	3.801	3.2	22.4
2 21	10 5.85	+ 6 54.8	2.826	3.812	1.2	22.2
3 2	9 58.66	+ 7 40.4	2.852	3.823	3.4	22.4
3 12	9 52.20	+ 8 24.2	2.908	3.833	6.2	22.6
3 22	9 46.94	+ 9 3.2	2.991	3.843	8.7	22.8

334585 2002 TJ_{155} 2 19.2 163°.50 3°.7/23.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 30.01	− 3 41.3	2.758	3.465	12.7	21.7
1 22	10 25.95	− 3 41.9	2.660	3.470	10.5	21.5
2 1	10 20.24	− 3 27.0	2.584	3.475	8.1	21.3
2 11	10 13.33	− 2 57.0	2.534	3.479	5.5	21.2
2 21	10 5.80	− 2 14.0	2.513	3.483	3.8	21.1
3 2	9 58.33	− 1 21.4	2.522	3.486	4.5	21.1
3 12	9 51.62	− 0 23.9	2.561	3.488	6.8	21.3
3 22	9 46.22	+ 0 33.8	2.626	3.491	9.4	21.4

429355 2010 GN_{29} 2 19.2 182°.00 4°.4/14.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 12	10 32.32	+24 8.1	2.546	3.345	11.3	21.0
1 22	10 28.02	+25 5.4	2.466	3.345	8.8	20.9
2 1	10 21.76	+26 4.2	2.411	3.345	6.3	20.7
2 11	10 14.06	+26 58.6	2.384	3.345	4.5	20.6
2 21	10 5.64	+27 42.8	2.386	3.345	4.9	20.6
3 2	9 57.35	+28 12.4	2.418	3.344	7.1	20.8
3 12	9 50.05	+28 25.3	2.476	3.343	9.7	20.9
3 22	9 44.37	+28 21.5	2.558	3.342	12.1	21.1

416592 2004 LP_{3} 2 19.2 256°.98 7°.8/24.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 35.73	−10 21.8	2.314	2.982	15.8	21.0
1 22	10 31.08	−11 27.9	2.193	2.961	13.9	20.8
2 1	10 24.14	−12 16.9	2.092	2.939	11.6	20.6
2 11	10 15.33	−12 45.5	2.014	2.917	9.4	20.4
2 21	10 5.32	−12 51.6	1.963	2.895	8.0	20.2
3 2	9 55.06	−12 35.7	1.940	2.872	8.2	20.2
3 12	9 45.59	−12 1.4	1.944	2.848	10.0	20.3
3 22	9 37.79	−11 14.5	1.973	2.824	12.6	20.4

26876 1994 CR_{14} 2 19.2 136°.33 1°.7/17.3 18 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 29.84	+13 28.6	2.484	3.270	11.9	18.7
1 22	10 26.03	+14 25.7	2.401	3.277	9.2	18.5
2 1	10 20.39	+15 31.8	2.343	3.284	6.0	18.3
2 11	10 13.42	+16 41.8	2.314	3.291	2.8	18.1
2 21	10 5.78	+17 50.2	2.314	3.298	2.2	18.1
3 2	9 58.26	+18 51.4	2.345	3.304	5.2	18.3
3 12	9 51.63	+19 41.2	2.405	3.310	8.3	18.5
3 22	9 46.49	+20 17.3	2.490	3.316	11.1	18.7

335237 2005 GZ_{194} 2 19.2 173°.41 0°.6/18.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 31.49	+11 15.2	2.397	3.174	12.5	21.9
1 22	10 27.38	+11 40.9	2.306	3.176	9.8	21.7
2 1	10 21.34	+12 16.2	2.239	3.177	6.5	21.5
2 11	10 13.88	+12 57.1	2.200	3.178	2.9	21.2
2 21	10 5.69	+13 39.4	2.191	3.178	1.1	21.1
3 2	9 57.61	+14 18.4	2.212	3.179	4.7	21.3
3 12	9 50.46	+14 50.1	2.261	3.179	8.1	21.6
3 22	9 44.88	+15 11.9	2.336	3.179	11.2	21.7

341668 2007 VR_{85} 2 19.2 99°.45 2°.8/16.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 34.81	+19 14.7	2.278	3.071	12.6	20.5
1 22	10 30.03	+19 38.0	2.196	3.075	9.8	20.3
2 1	10 23.13	+20 5.0	2.139	3.079	6.6	20.1
2 11	10 14.69	+20 30.7	2.109	3.082	3.6	19.9
2 21	10 5.52	+20 50.2	2.108	3.086	3.2	19.9
3 2	9 56.56	+20 59.6	2.137	3.090	6.1	20.1
3 12	9 48.72	+20 56.7	2.194	3.094	9.3	20.3
3 22	9 42.69	+20 41.3	2.275	3.097	12.2	20.5

240601 2004 VP_{22} 2 19.2 152°.40 1°.6/17.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 37.43	+13 12.2	2.019	2.800	14.4	22.0
1 22	10 32.31	+13 52.0	1.938	2.810	11.2	21.8
2 1	10 24.79	+14 41.9	1.881	2.820	7.4	21.6
2 11	10 15.50	+15 36.5	1.851	2.828	3.4	21.3
2 21	10 5.34	+16 29.4	1.851	2.836	2.1	21.2
3 2	9 55.39	+17 14.6	1.881	2.843	5.9	21.5
3 12	9 46.71	+17 47.6	1.939	2.850	9.7	21.7
3 22	9 40.05	+18 6.7	2.022	2.855	13.1	22.0

83021 2001 QT_{177} 2 19.2 121°.84 0°.8/18.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 31.66	+12 29.4	2.717	3.491	11.3	19.8
1 22	10 27.18	+12 53.5	2.636	3.504	8.7	19.6
2 1	10 21.02	+13 24.7	2.579	3.517	5.8	19.4
2 11	10 13.67	+13 59.5	2.551	3.529	2.6	19.3
2 21	10 5.76	+14 34.3	2.554	3.541	1.2	19.2
3 2	9 58.01	+15 5.1	2.587	3.552	4.3	19.4
3 12	9 51.14	+15 29.0	2.650	3.564	7.3	19.6
3 22	9 45.67	+15 44.1	2.739	3.575	9.9	19.8

173993 2001 XG_{198} 2 19.2 299°.48 1°.2/17.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 28.42	+12 32.5	2.397	3.185	12.2	19.9
1 22	10 25.08	+13 14.8	2.303	3.180	9.5	19.7
2 1	10 19.85	+14 6.8	2.234	3.174	6.3	19.5
2 11	10 13.22	+15 4.2	2.192	3.170	2.9	19.3
2 21	10 5.85	+16 1.8	2.179	3.165	1.7	19.2
3 2	9 58.53	+16 54.3	2.196	3.160	5.0	19.4
3 12	9 52.08	+17 37.3	2.242	3.155	8.4	19.6
3 22	9 47.14	+18 8.1	2.312	3.150	11.5	19.8

52550 1996 YB_{3} 2 19.2 26°.91 5°.3/23.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 31.73	− 4 43.5	2.341	3.050	14.6	18.0
1 22	10 27.63	− 5 27.0	2.245	3.051	12.4	17.8
2 1	10 21.57	− 5 54.3	2.170	3.053	9.7	17.6
2 11	10 14.02	− 6 4.5	2.119	3.054	7.1	17.5
2 21	10 5.68	− 5 57.9	2.097	3.056	5.4	17.4
3 2	9 57.39	− 5 36.8	2.102	3.058	6.0	17.4
3 12	9 50.00	− 5 5.6	2.136	3.059	8.2	17.5
3 22	9 44.20	− 4 29.1	2.195	3.061	10.9	17.7

463903 2014 UD_{118} 2 19.2 40°.14 2°.6/21.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 12	10 30.80	+ 2 54.1	1.541	2.320	18.2	20.9
1 22	10 27.74	+ 2 57.1	1.468	2.331	14.7	20.7
2 1	10 22.02	+ 3 20.8	1.415	2.343	10.4	20.5
2 11	10 14.31	+ 4 2.9	1.385	2.355	5.9	20.2
2 21	10 5.62	+ 4 58.3	1.382	2.367	2.6	20.1
3 2	9 57.19	+ 5 59.7	1.405	2.380	5.7	20.3
3 12	9 50.22	+ 6 59.1	1.455	2.393	10.1	20.6
3 22	9 45.52	+ 7 50.2	1.528	2.407	14.1	20.8

153988 2002 AF_{153} 2 19.2 324°.93 0°.9/18.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 29.40	+10 20.4	1.767	2.564	15.5	19.4
1 22	10 26.54	+11 3.8	1.677	2.558	12.2	19.2
2 1	10 21.21	+12 2.4	1.610	2.552	8.1	18.9
2 11	10 13.97	+13 11.3	1.568	2.547	3.7	18.7
2 21	10 5.68	+14 23.2	1.554	2.541	1.6	18.5
3 2	9 57.45	+15 30.4	1.568	2.536	6.1	18.8
3 12	9 50.42	+16 26.0	1.608	2.531	10.5	19.0
3 22	9 45.44	+17 6.0	1.672	2.527	14.3	19.2

367462 2008 WE_{13} 2 19.2 115°.24 2°.6/22.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 30.97	− 0 4.7	2.551	3.281	13.1	21.8
1 22	10 26.73	+ 0 8.2	2.468	3.299	10.6	21.6
2 1	10 20.77	+ 0 36.1	2.408	3.316	7.7	21.5
2 11	10 13.58	+ 1 17.6	2.374	3.334	4.7	21.3
2 21	10 5.81	+ 2 9.3	2.370	3.350	2.7	21.2
3 2	9 58.19	+ 3 6.8	2.397	3.367	4.1	21.3
3 12	9 51.46	+ 4 5.2	2.453	3.382	7.0	21.5
3 22	9 46.17	+ 5 0.0	2.535	3.398	9.8	21.7

102277 1999 TY_{54} 2 19.2 19°.15 1°.1/18.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 33.34	+12 0.6	1.435	2.244	17.9	20.7
1 22	10 30.07	+12 20.0	1.360	2.247	14.0	20.4
2 1	10 23.78	+12 53.3	1.305	2.249	9.4	20.2
2 11	10 15.19	+13 35.1	1.274	2.253	4.2	19.9
2 21	10 5.44	+14 18.0	1.269	2.257	1.7	19.7
3 2	9 55.93	+14 54.7	1.291	2.261	6.8	20.0
3 12	9 48.07	+15 19.3	1.338	2.266	11.7	20.3
3 22	9 42.79	+15 29.0	1.407	2.271	16.0	20.6

199543 2006 DL_{210} 2 19.2 299°.68 1°.4/18.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 32.30	+13 41.2	1.937	2.732	14.4	20.3
1 22	10 28.64	+14 2.5	1.839	2.719	11.3	20.1
2 1	10 22.56	+14 33.5	1.764	2.706	7.6	19.8
2 11	10 14.59	+15 9.7	1.715	2.693	3.5	19.6
2 21	10 5.56	+15 45.6	1.694	2.680	1.9	19.4
3 2	9 56.56	+16 15.6	1.702	2.668	6.0	19.7
3 12	9 48.69	+16 35.1	1.737	2.655	10.1	19.9
3 22	9 42.80	+16 41.9	1.795	2.643	13.8	20.1

125611 2001 XJ_{52} 2 19.2 63°.54 1°.4/18.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 36.29	+11 34.0	1.316	2.124	19.3	19.7
1 22	10 32.31	+12 12.3	1.260	2.147	14.9	19.5
2 1	10 25.17	+13 6.1	1.225	2.170	9.9	19.3
2 11	10 15.74	+14 8.1	1.214	2.193	4.4	19.0
2 21	10 5.35	+15 8.9	1.229	2.216	2.1	18.9
3 2	9 55.51	+16 0.0	1.270	2.239	7.2	19.3
3 12	9 47.61	+16 35.4	1.337	2.262	12.0	19.6
3 22	9 42.49	+16 52.9	1.425	2.284	16.1	19.9

81158 2000 EE_{154} 2 19.2 90°.20 3°.1/16.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 32.82	+15 4.2	1.739	2.543	15.5	19.2
1 22	10 29.10	+16 17.1	1.670	2.556	11.9	19.0
2 1	10 22.82	+17 41.2	1.625	2.569	7.9	18.8
2 11	10 14.65	+19 8.6	1.606	2.582	4.0	18.6
2 21	10 5.57	+20 30.3	1.615	2.595	3.7	18.6
3 2	9 56.75	+21 38.1	1.652	2.607	7.3	18.8
3 12	9 49.33	+22 26.8	1.716	2.620	11.2	19.1
3 22	9 44.09	+22 54.9	1.803	2.632	14.6	19.3

208462 2001 UR_{7} 2 19.2 109°.72 4°.1/23.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 29.63	− 4 1.9	2.529	3.241	13.6	20.5
1 22	10 25.79	− 4 10.5	2.439	3.251	11.3	20.3
2 1	10 20.20	− 4 2.5	2.370	3.261	8.7	20.1
2 11	10 13.35	− 3 38.1	2.327	3.271	6.0	20.0
2 21	10 5.87	− 2 59.5	2.312	3.280	4.2	19.9
3 2	9 58.49	− 2 10.1	2.327	3.290	4.9	19.9
3 12	9 51.95	− 1 15.1	2.370	3.299	7.2	20.1
3 22	9 46.84	− 0 19.3	2.440	3.308	9.9	20.3

423779 2006 EN_{32} 2 19.2 52°.50 5°.5/15.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 39.98	+25 29.9	1.760	2.566	15.2	20.6
1 22	10 34.59	+26 0.9	1.699	2.581	12.0	20.4
2 1	10 26.39	+26 30.8	1.660	2.596	8.5	20.3
2 11	10 16.22	+26 51.7	1.647	2.611	5.9	20.1
2 21	10 5.25	+26 57.3	1.662	2.626	6.0	20.2
3 2	9 54.83	+26 43.9	1.705	2.642	8.7	20.4
3 12	9 46.14	+26 11.2	1.773	2.658	12.0	20.6
3 22	9 39.94	+25 22.0	1.864	2.674	14.9	20.8

136040 2002 WL_{7} 2 19.2 13°.04 0°.1/19.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 12	10 29.62	+ 9 46.8	1.873	2.664	15.0	19.3
1 22	10 26.44	+10 4.1	1.791	2.667	11.8	19.1
2 1	10 20.97	+10 34.0	1.731	2.670	7.9	18.9
2 11	10 13.80	+11 12.8	1.696	2.674	3.6	18.6
2 21	10 5.77	+11 55.1	1.690	2.678	0.8	18.4
3 2	9 57.90	+12 35.2	1.712	2.683	5.3	18.7
3 12	9 51.21	+13 8.1	1.760	2.688	9.4	19.0
3 22	9 46.44	+13 30.4	1.833	2.694	12.9	19.2

44744 1999 TX_{48} 2 19.2 334°.28 0°.1/19.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 29.92	+ 8 44.1	1.409	2.217	18.3	18.5
1 22	10 27.58	+ 9 10.2	1.324	2.209	14.5	18.2
2 1	10 22.26	+ 9 55.3	1.259	2.202	9.8	18.0
2 11	10 14.58	+10 54.9	1.217	2.195	4.6	17.6
2 21	10 5.57	+12 1.5	1.201	2.189	1.1	17.4
3 2	9 56.63	+13 6.0	1.211	2.183	6.7	17.7
3 12	9 49.19	+13 59.9	1.245	2.178	11.9	18.0
3 22	9 44.28	+14 37.9	1.302	2.174	16.4	18.2

415967 2001 XG_{218} 2 19.2 46°.35 8°.7/26.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 31.76	−10 26.2	1.655	2.361	19.9	20.6
1 22	10 28.39	−11 26.1	1.581	2.375	17.2	20.4
2 1	10 22.43	−11 59.5	1.525	2.390	14.2	20.2
2 11	10 14.51	−12 3.3	1.489	2.405	11.2	20.1
2 21	10 5.61	−11 37.2	1.477	2.420	9.1	20.0
3 2	9 56.92	−10 45.2	1.491	2.436	9.0	20.0
3 12	9 49.60	− 9 35.2	1.529	2.452	11.0	20.2
3 22	9 44.48	− 8 16.7	1.591	2.468	13.7	20.4

182649 2001 UT_{176} 2 19.2 142°.71 1°.8/20.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 31.90	+ 4 15.2	1.936	2.702	15.5	20.9
1 22	10 28.15	+ 4 28.2	1.848	2.705	12.4	20.7
2 1	10 22.11	+ 4 57.9	1.781	2.708	8.7	20.5
2 11	10 14.33	+ 5 41.7	1.740	2.711	4.7	20.3
2 21	10 5.65	+ 6 35.2	1.727	2.714	1.8	20.1
3 2	9 57.08	+ 7 32.4	1.743	2.716	4.9	20.3
3 12	9 49.65	+ 8 27.0	1.786	2.718	9.0	20.5
3 22	9 44.12	+ 9 13.9	1.855	2.721	12.6	20.8

332370 2007 EO_{167} 2 19.2 319°.67 3°.1/20.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 33.87	+ 5 38.4	1.587	2.369	17.7	19.6
1 22	10 30.50	+ 4 54.6	1.483	2.348	14.5	19.3
2 1	10 24.21	+ 4 23.7	1.399	2.327	10.5	19.0
2 11	10 15.52	+ 4 5.8	1.338	2.308	6.1	18.7
2 21	10 5.36	+ 3 59.3	1.304	2.288	3.1	18.5
3 2	9 55.05	+ 4 1.1	1.297	2.270	6.3	18.6
3 12	9 46.02	+ 4 6.6	1.315	2.252	11.0	18.8
3 22	9 39.37	+ 4 11.1	1.356	2.234	15.5	19.1

362415 2010 PH_{57} 2 19.2 220°.22 0°.6/19.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 33.48	+ 6 36.0	2.043	2.810	14.7	21.8
1 22	10 29.41	+ 7 7.3	1.940	2.801	11.7	21.6
2 1	10 23.02	+ 7 54.4	1.860	2.792	8.1	21.3
2 11	10 14.81	+ 8 54.2	1.807	2.782	3.9	21.1
2 21	10 5.55	+10 1.2	1.783	2.771	0.8	20.8
3 2	9 56.27	+11 8.9	1.788	2.760	5.1	21.1
3 12	9 48.01	+12 10.7	1.823	2.748	9.3	21.3
3 22	9 41.62	+13 1.8	1.882	2.735	13.0	21.5

495396 2014 QW_{276} 2 19.2 168°.62 0°.3/19.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 37.72	+ 9 3.4	2.100	2.866	14.5	22.3
1 22	10 32.47	+ 9 13.5	2.010	2.871	11.4	22.1
2 1	10 24.90	+ 9 34.9	1.943	2.875	7.8	21.9
2 11	10 15.60	+10 4.5	1.903	2.879	3.7	21.6
2 21	10 5.40	+10 37.9	1.893	2.881	0.7	21.4
3 2	9 55.35	+11 10.3	1.914	2.884	5.0	21.7
3 12	9 46.47	+11 37.1	1.963	2.885	8.9	22.0
3 22	9 39.52	+11 55.6	2.037	2.885	12.4	22.2

53222 1999 CX_{92} 2 19.2 197°.18 1°.3/18.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 38.66	+14 53.8	2.095	2.876	14.0	18.6
1 22	10 33.27	+14 59.6	2.003	2.874	10.9	18.4
2 1	10 25.48	+15 11.9	1.934	2.872	7.3	18.2
2 11	10 15.88	+15 26.6	1.892	2.869	3.4	17.9
2 21	10 5.34	+15 39.2	1.880	2.866	1.8	17.8
3 2	9 54.96	+15 45.6	1.898	2.863	5.6	18.0
3 12	9 45.80	+15 43.0	1.945	2.859	9.5	18.3
3 22	9 38.64	+15 30.4	2.017	2.855	12.9	18.5

250114 2002 LJ_{11} 2 19.2 203°.63 2°.9/21.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 33.43	+ 0 46.0	2.121	2.862	15.1	21.2
1 22	10 29.23	+ 0 52.0	2.019	2.858	12.3	20.9
2 1	10 22.82	+ 1 15.6	1.939	2.853	9.0	20.7
2 11	10 14.69	+ 1 55.6	1.885	2.847	5.4	20.5
2 21	10 5.60	+ 2 48.8	1.859	2.841	2.9	20.3
3 2	9 56.51	+ 3 49.9	1.863	2.834	4.9	20.4
3 12	9 48.42	+ 4 52.6	1.895	2.826	8.6	20.6
3 22	9 42.10	+ 5 51.2	1.954	2.818	12.1	20.8

262663 2006 WG_{109} 2 19.2 58°.52 2°.2/17.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 12	10 33.00	+14 3.7	1.654	2.459	16.1	21.2
1 22	10 29.38	+14 47.2	1.582	2.467	12.5	21.0
2 1	10 23.10	+15 42.3	1.531	2.476	8.3	20.8
2 11	10 14.83	+16 42.2	1.506	2.484	3.9	20.5
2 21	10 5.59	+17 39.3	1.508	2.493	2.8	20.5
3 2	9 56.61	+18 26.3	1.539	2.502	6.9	20.7
3 12	9 49.09	+18 58.1	1.595	2.511	11.1	21.0
3 22	9 43.85	+19 12.8	1.674	2.520	14.7	21.2

327281 2005 ST_{291} 2 19.2 259°.28 5°.4/15.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 39.65	+24 59.6	1.893	2.695	14.5	21.1
1 22	10 34.50	+25 35.6	1.808	2.687	11.5	20.8
2 1	10 26.53	+26 12.1	1.745	2.680	8.2	20.6
2 11	10 16.43	+26 41.4	1.709	2.673	5.7	20.5
2 21	10 5.24	+26 56.5	1.701	2.665	5.9	20.5
3 2	9 54.27	+26 52.5	1.722	2.658	8.7	20.6
3 12	9 44.79	+26 28.1	1.768	2.650	12.1	20.8
3 22	9 37.71	+25 45.1	1.837	2.643	15.3	21.0

97882 2000 QW_{45} 2 19.2 90°.25 1°.0/19.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 35.15	+ 6 0.8	1.584	2.364	17.8	20.3
1 22	10 31.01	+ 6 24.7	1.515	2.383	14.1	20.1
2 1	10 24.15	+ 7 7.0	1.467	2.401	9.6	19.9
2 11	10 15.30	+ 8 3.4	1.444	2.419	4.7	19.6
2 21	10 5.51	+ 9 7.3	1.448	2.436	1.1	19.4
3 2	9 56.07	+10 10.8	1.481	2.454	5.7	19.8
3 12	9 48.17	+11 6.7	1.540	2.471	10.2	20.1
3 22	9 42.62	+11 50.3	1.623	2.487	14.2	20.3

109986 2001 SN_{57} 2 19.2 195°.72 1°.8/21.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 31.68	+ 2 27.7	2.386	3.130	13.5	21.2
1 22	10 27.60	+ 2 54.8	2.284	3.128	10.9	21.1
2 1	10 21.58	+ 3 38.0	2.205	3.124	7.7	20.8
2 11	10 14.08	+ 4 34.9	2.153	3.120	4.3	20.6
2 21	10 5.77	+ 5 41.6	2.130	3.116	1.8	20.4
3 2	9 57.48	+ 6 52.6	2.139	3.111	4.3	20.6
3 12	9 50.06	+ 8 2.0	2.176	3.105	7.8	20.8
3 22	9 44.18	+ 9 4.8	2.241	3.098	11.0	21.0

171902 2001 RH_{129} 2 19.2 204°.29 2°.2/17.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 32.40	+17 1.7	2.563	3.350	11.5	20.7
1 22	10 28.03	+17 34.3	2.471	3.347	8.9	20.5
2 1	10 21.78	+18 12.2	2.404	3.344	6.0	20.3
2 11	10 14.13	+18 51.2	2.365	3.341	3.0	20.1
2 21	10 5.77	+19 26.5	2.357	3.337	2.6	20.1
3 2	9 57.50	+19 53.9	2.378	3.333	5.4	20.2
3 12	9 50.14	+20 10.5	2.428	3.329	8.4	20.4
3 22	9 44.31	+20 15.2	2.503	3.325	11.2	20.6

132006 2002 CU_{99} 2 19.2 36°.60 2°.4/17.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 33.98	+13 54.5	1.149	1.976	20.3	19.7
1 22	10 31.02	+14 26.4	1.094	1.992	15.7	19.5
2 1	10 24.58	+15 12.4	1.059	2.008	10.4	19.2
2 11	10 15.58	+16 4.5	1.047	2.026	4.8	18.9
2 21	10 5.47	+16 52.8	1.058	2.044	3.1	18.9
3 2	9 55.94	+17 28.6	1.095	2.063	8.1	19.2
3 12	9 48.53	+17 46.6	1.155	2.083	13.2	19.6
3 22	9 44.14	+17 45.6	1.236	2.103	17.5	19.9

38702 2000 QX_{66} 2 19.2 75°.22 2°.4/17.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 37.14	+13 59.2	1.468	2.273	17.8	19.0
1 22	10 32.73	+14 45.6	1.411	2.296	13.7	18.8
2 1	10 25.35	+15 43.9	1.375	2.319	9.0	18.6
2 11	10 15.84	+16 46.4	1.364	2.342	4.2	18.4
2 21	10 5.43	+17 44.2	1.380	2.364	3.0	18.4
3 2	9 55.52	+18 29.7	1.423	2.386	7.3	18.7
3 12	9 47.42	+18 58.3	1.493	2.409	11.7	19.0
3 22	9 41.92	+19 8.7	1.584	2.430	15.4	19.3

206870 2004 FX_{93} 2 19.2 316°.70 1°.6/17.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 28.83	+13 5.2	2.059	2.856	13.6	20.6
1 22	10 25.80	+13 45.1	1.962	2.843	10.6	20.4
2 1	10 20.59	+14 36.0	1.888	2.831	7.1	20.2
2 11	10 13.70	+15 33.1	1.841	2.820	3.3	19.9
2 21	10 5.86	+16 30.4	1.823	2.808	2.1	19.8
3 2	9 58.05	+17 21.6	1.833	2.797	5.8	20.0
3 12	9 51.24	+18 1.7	1.870	2.786	9.7	20.2
3 22	9 46.20	+18 27.6	1.931	2.776	13.1	20.4

432568 2010 LD_{62} 2 19.2 254°.89 8°.1/ 8.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 33.76	+36 21.9	2.476	3.272	11.6	21.0
1 22	10 29.65	+37 59.1	2.405	3.264	9.8	20.8
2 1	10 23.17	+39 30.9	2.360	3.255	8.5	20.7
2 11	10 14.88	+40 49.1	2.341	3.247	8.2	20.7
2 21	10 5.61	+41 46.3	2.349	3.238	9.0	20.7
3 2	9 56.44	+42 18.1	2.383	3.229	10.7	20.8
3 12	9 48.41	+42 23.4	2.440	3.220	12.6	20.9
3 22	9 42.34	+42 4.5	2.517	3.211	14.5	21.1

303280 2004 RH_{194} 2 19.2 180°.28 1°.7/20.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 12	10 36.25	+ 4 22.7	2.065	2.818	15.1	22.1
1 22	10 31.43	+ 4 33.6	1.970	2.820	12.1	21.9
2 1	10 24.29	+ 5 0.0	1.898	2.821	8.5	21.6
2 11	10 15.38	+ 5 39.7	1.851	2.821	4.6	21.4
2 21	10 5.51	+ 6 28.4	1.834	2.821	1.7	21.2
3 2	9 55.72	+ 7 20.7	1.847	2.819	4.9	21.4
3 12	9 47.03	+ 8 10.8	1.889	2.817	8.8	21.6
3 22	9 40.25	+ 8 54.1	1.957	2.814	12.4	21.8

31070 1996 VX_{9} 2 19.2 70°.60 1°.6/20.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 28.29	+ 3 13.1	2.298	3.056	13.6	19.1
1 22	10 24.99	+ 3 38.4	2.208	3.059	10.9	18.9
2 1	10 19.82	+ 4 19.4	2.140	3.063	7.7	18.7
2 11	10 13.26	+ 5 13.4	2.098	3.067	4.2	18.5
2 21	10 5.98	+ 6 16.2	2.085	3.071	1.6	18.3
3 2	9 58.80	+ 7 22.4	2.102	3.075	4.2	18.5
3 12	9 52.52	+ 8 26.4	2.148	3.079	7.7	18.8
3 22	9 47.76	+ 9 23.3	2.219	3.083	10.9	19.0

217091 2001 VX_{56} 2 19.2 173°.73 0°.7/19.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 35.13	+ 7 49.4	2.346	3.106	13.3	20.9
1 22	10 30.24	+ 7 57.9	2.253	3.109	10.5	20.7
2 1	10 23.31	+ 8 17.4	2.183	3.112	7.2	20.5
2 11	10 14.87	+ 8 45.4	2.140	3.114	3.5	20.3
2 21	10 5.65	+ 9 18.0	2.127	3.115	0.8	20.0
3 2	9 56.52	+ 9 51.0	2.145	3.116	4.4	20.3
3 12	9 48.39	+10 20.3	2.192	3.116	8.0	20.5
3 22	9 41.93	+10 42.9	2.265	3.115	11.2	20.7

451226 2010 CS_{96} 2 19.2 69°.57 0°.2/19.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 38.51	+10 36.9	1.397	2.195	18.9	21.1
1 22	10 34.21	+10 29.0	1.319	2.198	14.9	20.8
2 1	10 26.67	+10 34.7	1.262	2.201	10.2	20.6
2 11	10 16.61	+10 50.0	1.228	2.205	4.8	20.3
2 21	10 5.26	+11 9.5	1.220	2.209	1.0	20.0
3 2	9 54.19	+11 27.0	1.240	2.212	6.6	20.4
3 12	9 44.90	+11 37.3	1.284	2.216	11.8	20.7
3 22	9 38.44	+11 37.5	1.352	2.219	16.3	21.0

175534 2006 SR_{126} 2 19.2 242°.76 5°.2/14.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 35.65	+22 28.6	2.045	2.847	13.5	20.4
1 22	10 31.38	+23 46.3	1.949	2.831	10.7	20.2
2 1	10 24.53	+25 10.2	1.877	2.814	7.6	20.0
2 11	10 15.60	+26 32.0	1.833	2.797	5.4	19.8
2 21	10 5.47	+27 42.9	1.818	2.779	5.9	19.8
3 2	9 55.29	+28 35.5	1.831	2.760	8.8	19.9
3 12	9 46.25	+29 5.6	1.870	2.741	12.2	20.1
3 22	9 39.29	+29 12.9	1.932	2.721	15.3	20.2

153625 2001 TK_{39} 2 19.2 5°.35 11°.3/10.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 39.64	+37 16.1	1.534	2.348	16.7	19.7
1 22	10 35.44	+38 40.8	1.479	2.348	14.2	19.5
2 1	10 27.59	+39 55.3	1.444	2.349	12.2	19.4
2 11	10 17.02	+40 46.7	1.432	2.350	11.3	19.3
2 21	10 5.23	+41 5.1	1.444	2.352	12.2	19.4
3 2	9 54.01	+40 46.0	1.479	2.354	14.3	19.5
3 12	9 45.02	+39 51.7	1.535	2.357	16.9	19.7
3 22	9 39.21	+38 28.8	1.609	2.361	19.3	19.9

454095 2013 BW_{50} 2 19.2 64°.83 1°.0/18.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 38.40	+12 25.7	1.326	2.133	19.3	21.3
1 22	10 34.08	+12 36.1	1.263	2.148	15.0	21.1
2 1	10 26.49	+12 59.7	1.219	2.163	10.0	20.9
2 11	10 16.47	+13 30.7	1.200	2.178	4.5	20.6
2 21	10 5.35	+14 1.8	1.206	2.193	1.7	20.4
3 2	9 54.73	+14 26.2	1.239	2.209	7.0	20.8
3 12	9 46.07	+14 38.7	1.297	2.224	12.0	21.1
3 22	9 40.29	+14 37.6	1.376	2.240	16.3	21.4

320841 2008 FU_{68} 2 19.2 29°.51 5°.5/23.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 27.73	− 4 55.6	1.482	2.236	20.0	20.1
1 22	10 25.55	− 4 55.7	1.406	2.245	16.7	19.9
2 1	10 20.70	− 4 26.7	1.348	2.254	12.8	19.7
2 11	10 13.83	− 3 28.7	1.312	2.264	8.7	19.5
2 21	10 5.92	− 2 6.0	1.301	2.275	5.7	19.3
3 2	9 58.20	− 0 26.8	1.315	2.286	6.6	19.4
3 12	9 51.90	+ 1 17.6	1.356	2.298	10.3	19.6
3 22	9 47.86	+ 2 56.8	1.420	2.310	14.2	19.9

301543 2009 FY_{64} 2 19.2 29°.46 0°.4/18.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 28.22	+ 9 22.0	2.046	2.833	14.0	20.1
1 22	10 25.18	+ 9 59.6	1.966	2.841	11.0	19.9
2 1	10 20.05	+10 50.2	1.909	2.848	7.3	19.7
2 11	10 13.41	+11 49.4	1.878	2.856	3.3	19.5
2 21	10 6.02	+12 51.5	1.876	2.864	1.0	19.3
3 2	9 58.78	+13 50.4	1.903	2.873	5.0	19.6
3 12	9 52.60	+14 40.5	1.957	2.882	8.8	19.9
3 22	9 48.14	+15 18.5	2.036	2.891	12.1	20.1

505547 2013 YW_{126} 2 19.2 352°.42 10°.3/24.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 12	10 37.81	− 9 59.6	1.870	2.555	18.6	20.4
1 22	10 33.16	−12 8.5	1.774	2.549	16.4	20.3
2 1	10 25.81	−14 1.0	1.698	2.544	14.0	20.1
2 11	10 16.25	−15 31.0	1.646	2.540	11.7	19.9
2 21	10 5.37	−16 33.8	1.618	2.536	10.4	19.8
3 2	9 54.35	−17 7.6	1.617	2.534	10.7	19.8
3 12	9 44.48	−17 15.1	1.641	2.532	12.3	19.9
3 22	9 36.77	−17 2.5	1.687	2.532	14.7	20.1

297504 2000 WW_{130} 2 19.2 59°.00 2°.0/20.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 35.43	+ 4 27.1	1.359	2.146	19.9	21.0
1 22	10 31.51	+ 4 35.4	1.303	2.172	15.8	20.8
2 1	10 24.59	+ 5 5.0	1.266	2.198	11.0	20.6
2 11	10 15.54	+ 5 52.1	1.252	2.224	5.7	20.4
2 21	10 5.58	+ 6 49.9	1.263	2.250	2.0	20.2
3 2	9 56.14	+ 7 50.1	1.302	2.277	6.0	20.5
3 12	9 48.52	+ 8 44.5	1.367	2.303	10.7	20.9
3 22	9 43.51	+ 9 27.7	1.454	2.330	14.8	21.2

82922 2001 QZ_{107} 2 19.2 74°.39 0°.3/18.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 31.47	+10 20.8	2.223	3.002	13.3	20.2
1 22	10 27.42	+10 46.1	2.149	3.019	10.4	20.0
2 1	10 21.40	+11 21.8	2.098	3.035	6.9	19.8
2 11	10 13.98	+12 3.8	2.075	3.052	3.1	19.6
2 21	10 5.92	+12 47.5	2.080	3.068	0.9	19.5
3 2	9 58.07	+13 27.9	2.116	3.085	4.7	19.8
3 12	9 51.29	+14 1.0	2.180	3.101	8.2	20.0
3 22	9 46.17	+14 24.2	2.269	3.118	11.3	20.2

411505 2011 BU_{6} 2 19.2 50°.46 1°.9/17.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 33.38	+12 53.6	1.524	2.331	17.2	21.3
1 22	10 29.70	+13 37.6	1.467	2.354	13.2	21.1
2 1	10 23.29	+14 34.2	1.432	2.377	8.7	20.9
2 11	10 14.92	+15 36.2	1.421	2.400	4.0	20.6
2 21	10 5.72	+16 35.5	1.438	2.423	2.5	20.6
3 2	9 56.97	+17 24.5	1.482	2.447	6.7	20.9
3 12	9 49.85	+17 58.2	1.552	2.471	11.0	21.2
3 22	9 45.10	+18 15.0	1.644	2.496	14.7	21.5

378731 2008 QK_{45} 2 19.2 193°.74 2°.7/21.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 31.75	+ 0 29.5	2.647	3.375	12.7	21.9
1 22	10 27.45	+ 0 32.3	2.544	3.373	10.4	21.7
2 1	10 21.40	+ 0 49.1	2.462	3.370	7.6	21.5
2 11	10 14.01	+ 1 18.9	2.408	3.367	4.7	21.3
2 21	10 5.91	+ 1 59.2	2.383	3.363	2.7	21.2
3 2	9 57.83	+ 2 46.4	2.389	3.359	4.2	21.3
3 12	9 50.54	+ 3 35.7	2.425	3.354	7.1	21.5
3 22	9 44.63	+ 4 23.1	2.487	3.348	10.0	21.6

183955 2004 DG_{50} 2 19.2 54°.96 0°.8/19.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 33.63	+ 7 38.3	1.568	2.358	17.5	20.5
1 22	10 29.97	+ 7 47.0	1.495	2.368	13.9	20.2
2 1	10 23.57	+ 8 11.9	1.441	2.378	9.5	20.0
2 11	10 15.12	+ 8 49.4	1.413	2.388	4.6	19.7
2 21	10 5.68	+ 9 33.6	1.411	2.399	1.0	19.5
3 2	9 56.51	+10 17.8	1.437	2.410	5.7	19.9
3 12	9 48.83	+10 55.8	1.489	2.421	10.4	20.1
3 22	9 43.51	+11 23.2	1.564	2.432	14.4	20.4

193962 2001 RK_{86} 2 19.2 173°.35 0°.7/19.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 36.57	+ 6 54.6	1.957	2.722	15.4	21.9
1 22	10 31.82	+ 7 18.0	1.867	2.726	12.2	21.7
2 1	10 24.64	+ 7 56.4	1.799	2.730	8.4	21.4
2 11	10 15.60	+ 8 46.4	1.757	2.732	4.1	21.2
2 21	10 5.57	+ 9 42.8	1.745	2.733	0.9	20.9
3 2	9 55.66	+10 39.1	1.763	2.734	5.2	21.2
3 12	9 46.95	+11 29.4	1.809	2.734	9.4	21.5
3 22	9 40.25	+12 9.5	1.880	2.733	13.1	21.7

498393 2007 XL_{27} 2 19.2 68°.39 2°.5/16.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 31.28	+16 41.8	2.224	3.020	12.8	21.5
1 22	10 27.32	+17 31.2	2.156	3.038	9.8	21.3
2 1	10 21.36	+18 27.0	2.113	3.055	6.5	21.1
2 11	10 13.98	+19 23.5	2.097	3.073	3.4	21.0
2 21	10 5.94	+20 14.9	2.111	3.090	3.0	21.0
3 2	9 58.16	+20 56.2	2.154	3.108	5.9	21.2
3 12	9 51.46	+21 23.9	2.224	3.125	9.1	21.4
3 22	9 46.48	+21 37.1	2.318	3.143	11.9	21.6

147321 2003 BU_{13} 2 19.2 56°.69 0°.8/18.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 32.23	+10 39.5	1.673	2.470	16.3	20.5
1 22	10 28.77	+11 14.6	1.598	2.478	12.7	20.2
2 1	10 22.71	+12 3.9	1.544	2.486	8.5	20.0
2 11	10 14.72	+13 2.1	1.516	2.494	3.8	19.7
2 21	10 5.77	+14 2.1	1.515	2.502	1.5	19.6
3 2	9 57.05	+14 56.5	1.542	2.511	6.1	19.9
3 12	9 49.71	+15 39.3	1.595	2.520	10.5	20.2
3 22	9 44.58	+16 7.4	1.672	2.528	14.2	20.4

318850 2005 TJ_{15} 2 19.2 60°.14 18°.6/10.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 12	11 1.82	+47 29.7	1.091	1.886	23.3	20.1
1 22	10 55.08	+49 13.0	1.051	1.890	21.0	19.9
2 1	10 41.85	+50 31.2	1.028	1.895	19.3	19.8
2 11	10 23.74	+51 2.1	1.022	1.900	18.6	19.8
2 21	10 3.91	+50 31.1	1.036	1.905	19.3	19.9
3 2	9 46.10	+48 57.0	1.068	1.910	21.1	20.0
3 12	9 33.06	+46 31.8	1.118	1.915	23.4	20.2
3 22	9 25.70	+43 33.2	1.184	1.920	25.7	20.4

140032 2001 SM_{65} 2 19.2 85°.60 2°.6/22.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 28.47	+ 0 8.2	2.377	3.118	13.7	20.1
1 22	10 25.07	+ 0 23.0	2.287	3.125	11.1	20.0
2 1	10 19.85	+ 0 54.1	2.220	3.132	8.1	19.8
2 11	10 13.31	+ 1 40.1	2.178	3.139	4.9	19.6
2 21	10 6.09	+ 2 37.3	2.165	3.146	2.7	19.5
3 2	9 58.97	+ 3 41.0	2.181	3.153	4.3	19.6
3 12	9 52.73	+ 4 45.6	2.227	3.160	7.4	19.8
3 22	9 47.97	+ 5 45.9	2.298	3.167	10.4	20.0

497470 2005 YC_{147} 2 19.2 333°.32 3°.4/21.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 34.04	+ 3 13.3	1.820	2.582	16.5	20.7
1 22	10 30.08	+ 2 38.9	1.726	2.577	13.5	20.5
2 1	10 23.60	+ 2 19.2	1.654	2.573	9.8	20.3
2 11	10 15.17	+ 2 14.0	1.605	2.569	5.9	20.0
2 21	10 5.67	+ 2 21.4	1.584	2.566	3.4	19.9
3 2	9 56.23	+ 2 37.9	1.591	2.562	5.6	20.0
3 12	9 47.99	+ 2 58.5	1.625	2.559	9.5	20.2
3 22	9 41.82	+ 3 18.5	1.684	2.557	13.3	20.4

147234 2002 XV_{50} 2 19.2 249°.34 8°.4/10.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 35.32	+30 13.4	1.829	2.643	14.4	19.7
1 22	10 31.54	+32 0.7	1.756	2.636	11.8	19.5
2 1	10 24.83	+33 47.7	1.707	2.629	9.4	19.4
2 11	10 15.81	+35 23.0	1.684	2.621	8.4	19.3
2 21	10 5.53	+36 36.2	1.687	2.613	9.5	19.3
3 2	9 55.36	+37 19.9	1.716	2.606	11.9	19.5
3 12	9 46.67	+37 32.2	1.768	2.598	14.7	19.6
3 22	9 40.47	+37 15.5	1.840	2.590	17.3	19.8

289859 2005 MZ_{9} 2 19.2 238°.56 5°.0/24.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 31.01	− 7 9.0	2.921	3.601	12.6	20.7
1 22	10 26.82	− 7 39.5	2.804	3.588	10.8	20.5
2 1	10 20.97	− 7 55.3	2.708	3.575	8.6	20.3
2 11	10 13.84	− 7 55.6	2.638	3.561	6.5	20.2
2 21	10 5.97	− 7 40.5	2.596	3.547	5.1	20.0
3 2	9 58.04	− 7 11.9	2.584	3.533	5.4	20.0
3 12	9 50.76	− 6 33.5	2.600	3.518	7.2	20.1
3 22	9 44.71	− 5 49.4	2.644	3.503	9.5	20.3

328052 2007 RJ_{132} 2 19.2 269°.79 11°.2/29.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 28.60	−18 14.2	1.335	2.024	24.7	20.6
1 22	10 27.02	−18 25.0	1.238	2.013	22.1	20.3
2 1	10 22.26	−17 51.3	1.153	2.002	18.9	20.1
2 11	10 14.83	−16 24.9	1.086	1.991	15.4	19.8
2 21	10 5.72	−14 3.2	1.039	1.980	12.2	19.6
3 2	9 56.42	−10 52.7	1.017	1.968	11.2	19.5
3 12	9 48.60	− 7 10.7	1.020	1.957	13.4	19.6
3 22	9 43.52	− 3 20.2	1.047	1.946	17.4	19.8

130528 2000 QY_{199} 2 19.2 58°.82 0°.6/18.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 30.20	+ 6 33.7	1.410	2.210	18.6	19.2
1 22	10 27.64	+ 7 49.1	1.339	2.220	14.6	19.0
2 1	10 22.20	+ 9 28.6	1.289	2.231	9.8	18.7
2 11	10 14.57	+11 24.7	1.264	2.242	4.4	18.4
2 21	10 5.82	+13 26.3	1.265	2.253	1.4	18.3
3 2	9 57.32	+15 20.8	1.295	2.265	6.8	18.6
3 12	9 50.37	+16 57.6	1.350	2.276	11.7	19.0
3 22	9 45.89	+18 11.2	1.427	2.288	16.0	19.2

481014 2004 RG_{208} 2 19.2 134°.81 5°.2/21.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 45.15	+ 2 46.1	1.356	2.118	21.1	20.6
1 22	10 39.54	+ 1 36.5	1.276	2.126	17.4	20.4
2 1	10 30.38	+ 0 43.7	1.216	2.133	12.8	20.1
2 11	10 18.42	+ 0 9.3	1.179	2.140	8.1	19.9
2 21	10 4.99	− 0 6.8	1.168	2.146	5.2	19.7
3 2	9 51.82	− 0 7.5	1.184	2.152	7.6	19.9
3 12	9 40.60	+ 0 1.4	1.226	2.158	12.2	20.1
3 22	9 32.47	+ 0 13.7	1.291	2.163	16.6	20.4

11011 KIAM 2 19.2 136°.13 0°.2/19.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 35.48	+ 8 55.1	1.980	2.754	14.9	18.9
1 22	10 30.85	+ 9 32.1	1.901	2.767	11.7	18.7
2 1	10 23.89	+10 22.8	1.845	2.780	7.8	18.5
2 11	10 15.21	+11 22.5	1.816	2.792	3.6	18.3
2 21	10 5.70	+12 25.2	1.816	2.804	0.9	18.1
3 2	9 56.40	+13 24.2	1.845	2.814	5.2	18.4
3 12	9 48.33	+14 14.2	1.904	2.824	9.2	18.7
3 22	9 42.22	+14 51.6	1.987	2.834	12.7	18.9

55961 1998 HB_{143} 2 19.2 243°.28 6°.3/12.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 12	10 35.30	+31 19.6	2.489	3.286	11.6	18.7
1 22	10 30.56	+32 17.2	2.413	3.283	9.4	18.5
2 1	10 23.62	+33 11.5	2.362	3.279	7.4	18.4
2 11	10 15.07	+33 55.4	2.337	3.275	6.4	18.3
2 21	10 5.74	+34 23.2	2.341	3.271	6.9	18.3
3 2	9 56.60	+34 31.1	2.372	3.268	8.8	18.4
3 12	9 48.60	+34 18.2	2.429	3.264	11.0	18.6
3 22	9 42.45	+33 46.1	2.509	3.260	13.1	18.7

233652 2008 PC_{21} 2 19.2 65°.19 7°.0/13.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 40.13	+29 40.2	1.882	2.685	14.5	19.8
1 22	10 34.61	+30 35.9	1.832	2.708	11.6	19.7
2 1	10 26.38	+31 27.2	1.805	2.730	8.8	19.6
2 11	10 16.29	+32 5.5	1.805	2.753	7.1	19.5
2 21	10 5.51	+32 24.0	1.832	2.775	7.5	19.6
3 2	9 55.30	+32 19.3	1.886	2.798	9.7	19.7
3 12	9 46.82	+31 51.8	1.965	2.820	12.3	20.0
3 22	9 40.76	+31 5.1	2.065	2.842	14.8	20.2

462792 2010 OP_{29} 2 19.2 75°.86 1°.1/18.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 41.15	+13 49.1	1.730	2.516	16.3	21.5
1 22	10 35.30	+13 53.0	1.670	2.543	12.6	21.3
2 1	10 26.82	+14 5.3	1.631	2.570	8.4	21.1
2 11	10 16.50	+14 21.1	1.619	2.597	3.8	20.9
2 21	10 5.46	+14 35.3	1.636	2.623	1.6	20.8
3 2	9 54.97	+14 43.6	1.682	2.649	5.9	21.1
3 12	9 46.13	+14 42.9	1.756	2.675	10.0	21.4
3 22	9 39.68	+14 32.3	1.853	2.700	13.5	21.7

39378 2101 P–L 2 19.2 167°.51 2°.2/21.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 31.81	+ 2 23.4	2.215	2.964	14.3	20.1
1 22	10 27.84	+ 2 33.3	2.122	2.967	11.5	19.9
2 1	10 21.82	+ 2 59.0	2.050	2.969	8.3	19.7
2 11	10 14.27	+ 3 38.7	2.005	2.971	4.7	19.5
2 21	10 5.91	+ 4 28.8	1.989	2.973	2.2	19.3
3 2	9 57.64	+ 5 24.3	2.002	2.974	4.5	19.5
3 12	9 50.33	+ 6 19.5	2.044	2.975	8.0	19.7
3 22	9 44.69	+ 7 9.6	2.112	2.976	11.4	19.9

68515 2001 UZ_{183} 2 19.2 122°.67 1°.5/17.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 29.47	+12 54.6	2.556	3.339	11.7	19.8
1 22	10 25.74	+13 49.1	2.473	3.348	9.0	19.6
2 1	10 20.25	+14 52.5	2.416	3.356	5.9	19.4
2 11	10 13.49	+16 0.0	2.387	3.364	2.7	19.2
2 21	10 6.09	+17 6.5	2.388	3.373	1.9	19.2
3 2	9 58.81	+18 6.6	2.420	3.380	4.9	19.4
3 12	9 52.39	+18 56.1	2.481	3.388	8.0	19.6
3 22	9 47.40	+19 32.9	2.567	3.396	10.7	19.8

431243 2006 TT_{40} 2 19.2 218°.24 1°.2/17.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 30.62	+13 44.3	2.596	3.378	11.6	21.8
1 22	10 26.65	+14 14.0	2.502	3.375	9.0	21.6
2 1	10 20.89	+14 51.1	2.432	3.372	5.9	21.4
2 11	10 13.80	+15 31.8	2.391	3.368	2.7	21.2
2 21	10 6.02	+16 11.7	2.379	3.364	1.7	21.1
3 2	9 58.31	+16 46.7	2.397	3.360	4.7	21.3
3 12	9 51.44	+17 13.2	2.444	3.356	7.9	21.5
3 22	9 46.02	+17 29.3	2.517	3.352	10.7	21.7

84405 2002 TD_{181} 2 19.2 125°.42 1°.4/20.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 38.04	+ 5 58.1	2.301	3.049	13.9	19.9
1 22	10 32.39	+ 5 56.5	2.221	3.068	11.0	19.8
2 1	10 24.68	+ 6 6.6	2.165	3.088	7.6	19.6
2 11	10 15.51	+ 6 26.2	2.136	3.106	4.0	19.4
2 21	10 5.67	+ 6 51.9	2.137	3.123	1.4	19.2
3 2	9 56.07	+ 7 19.9	2.169	3.140	4.3	19.5
3 12	9 47.59	+ 7 46.1	2.231	3.156	7.8	19.7
3 22	9 40.88	+ 8 7.3	2.320	3.172	10.9	19.9

225395 1999 UO_{48} 2 19.2 82°.70 4°.1/15.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 33.39	+20 15.0	2.011	2.816	13.7	20.0
1 22	10 29.25	+21 20.8	1.947	2.832	10.5	19.8
2 1	10 22.81	+22 31.3	1.907	2.847	7.2	19.6
2 11	10 14.71	+23 39.2	1.893	2.863	4.5	19.5
2 21	10 5.84	+24 37.1	1.909	2.879	4.7	19.5
3 2	9 57.26	+25 19.4	1.953	2.894	7.5	19.7
3 12	9 49.96	+25 43.1	2.023	2.909	10.6	19.9
3 22	9 44.63	+25 48.1	2.117	2.925	13.5	20.1

463748 2014 QO_{432} 2 19.2 117°.34 0°.2/19.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 33.90	+ 7 32.6	2.125	2.893	14.2	21.7
1 22	10 29.41	+ 8 11.6	2.050	2.912	11.2	21.5
2 1	10 22.81	+ 9 4.3	1.997	2.930	7.5	21.3
2 11	10 14.69	+10 6.4	1.972	2.947	3.5	21.1
2 21	10 5.85	+11 12.2	1.976	2.964	0.7	20.9
3 2	9 57.23	+12 15.6	2.011	2.981	4.8	21.2
3 12	9 49.75	+13 11.2	2.074	2.997	8.5	21.5
3 22	9 44.05	+13 55.4	2.163	3.012	11.7	21.7

341449 2007 TK_{268} 2 19.2 27°.12 4°.6/15.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 12	10 33.73	+23 10.9	2.067	2.873	13.3	20.5
1 22	10 29.57	+23 56.8	1.992	2.876	10.4	20.4
2 1	10 23.07	+24 44.8	1.941	2.879	7.3	20.2
2 11	10 14.86	+25 28.1	1.917	2.883	4.9	20.0
2 21	10 5.82	+26 0.2	1.920	2.886	5.2	20.0
3 2	9 57.01	+26 16.5	1.952	2.890	7.7	20.2
3 12	9 49.46	+26 14.8	2.010	2.894	10.8	20.4
3 22	9 43.89	+25 55.8	2.091	2.898	13.6	20.6

60191 1999 VP_{35} 2 19.2 157°.73 3°.5/22.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 33.39	+ 0 10.0	1.889	2.636	16.5	19.7
1 22	10 29.44	+ 0 6.5	1.799	2.640	13.5	19.5
2 1	10 23.09	+ 0 22.2	1.730	2.643	9.9	19.2
2 11	10 14.93	+ 0 56.2	1.686	2.646	6.1	19.0
2 21	10 5.79	+ 1 45.0	1.669	2.649	3.5	18.9
3 2	9 56.76	+ 2 43.3	1.680	2.652	5.4	19.0
3 12	9 48.89	+ 3 44.1	1.720	2.654	9.1	19.2
3 22	9 42.99	+ 4 41.1	1.784	2.655	12.8	19.4

345916 2007 RS_{172} 2 19.2 95°.34 1°.2/18.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 32.66	+12 58.1	2.527	3.304	12.0	21.8
1 22	10 28.07	+13 35.3	2.458	3.328	9.2	21.7
2 1	10 21.71	+14 20.0	2.414	3.352	6.1	21.5
2 11	10 14.12	+15 8.0	2.398	3.376	2.7	21.3
2 21	10 5.99	+15 54.6	2.413	3.399	1.6	21.3
3 2	9 58.10	+16 35.4	2.459	3.422	4.6	21.5
3 12	9 51.19	+17 7.1	2.533	3.444	7.7	21.8
3 22	9 45.80	+17 28.0	2.633	3.466	10.4	22.0

430126 2013 TV_{31} 2 19.2 359°.14 2°.3/21.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 32.08	+ 4 20.2	1.894	2.661	15.8	20.3
1 22	10 28.42	+ 4 9.5	1.804	2.661	12.7	20.1
2 1	10 22.41	+ 4 14.0	1.735	2.660	9.0	19.8
2 11	10 14.61	+ 4 32.1	1.692	2.660	5.1	19.6
2 21	10 5.87	+ 5 0.6	1.675	2.660	2.3	19.4
3 2	9 57.22	+ 5 34.9	1.687	2.660	5.1	19.6
3 12	9 49.72	+ 6 9.4	1.727	2.661	9.1	19.8
3 22	9 44.16	+ 6 39.5	1.791	2.662	12.7	20.0

125155 2001 UH_{87} 2 19.2 264°.70 1°.1/18.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 34.78	+11 28.2	1.555	2.354	17.2	20.4
1 22	10 31.28	+11 55.9	1.462	2.343	13.6	20.2
2 1	10 24.79	+12 38.8	1.389	2.332	9.2	19.9
2 11	10 15.88	+13 31.6	1.342	2.320	4.2	19.5
2 21	10 5.58	+14 27.0	1.321	2.308	1.8	19.3
3 2	9 55.25	+15 17.1	1.327	2.296	6.9	19.6
3 12	9 46.35	+15 54.8	1.359	2.284	11.9	19.9
3 22	9 39.94	+16 16.6	1.414	2.271	16.3	20.1

226910 2004 TF_{196} 2 19.2 145°.50 1°.6/20.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 32.11	+ 4 20.1	2.277	3.032	13.8	21.5
1 22	10 27.97	+ 4 32.9	2.188	3.038	11.0	21.3
2 1	10 21.86	+ 4 59.7	2.121	3.045	7.7	21.1
2 11	10 14.28	+ 5 38.4	2.081	3.051	4.2	20.9
2 21	10 5.95	+ 6 24.9	2.070	3.056	1.6	20.7
3 2	9 57.74	+ 7 14.7	2.089	3.062	4.3	20.9
3 12	9 50.51	+ 8 2.5	2.137	3.066	7.9	21.1
3 22	9 44.89	+ 8 44.2	2.211	3.071	11.1	21.3

370727 2004 RA_{69} 2 19.2 133°.88 2°.9/16.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 36.43	+19 11.9	2.421	3.207	12.2	21.5
1 22	10 31.17	+19 49.7	2.346	3.220	9.4	21.3
2 1	10 23.89	+20 31.4	2.295	3.233	6.3	21.1
2 11	10 15.16	+21 11.5	2.274	3.246	3.5	21.0
2 21	10 5.78	+21 45.1	2.282	3.258	3.3	21.0
3 2	9 56.63	+22 7.9	2.321	3.270	6.0	21.2
3 12	9 48.58	+22 17.7	2.388	3.280	8.9	21.4
3 22	9 42.27	+22 14.1	2.480	3.291	11.6	21.6

211586 2003 SQ_{227} 2 19.2 97°.84 1°.3/18.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 37.55	+12 54.5	1.694	2.486	16.3	21.0
1 22	10 32.80	+13 17.8	1.623	2.501	12.7	20.8
2 1	10 25.35	+13 52.1	1.575	2.516	8.4	20.6
2 11	10 15.93	+14 31.7	1.553	2.530	3.8	20.3
2 21	10 5.61	+15 10.2	1.558	2.545	1.8	20.2
3 2	9 55.64	+15 41.6	1.592	2.559	6.2	20.5
3 12	9 47.21	+16 1.6	1.654	2.573	10.5	20.8
3 22	9 41.11	+16 8.3	1.738	2.587	14.2	21.1

381512 2008 SK_{172} 2 19.2 200°.44 3°.2/22.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 31.58	− 2 19.9	2.870	3.579	12.2	23.2
1 22	10 27.23	− 2 17.8	2.760	3.574	10.1	23.0
2 1	10 21.22	− 2 1.2	2.673	3.568	7.6	22.8
2 11	10 13.96	− 1 30.6	2.612	3.562	5.1	22.7
2 21	10 6.02	− 0 48.1	2.581	3.555	3.3	22.5
3 2	9 58.07	+ 0 3.1	2.581	3.547	4.2	22.6
3 12	9 50.82	+ 0 58.4	2.611	3.538	6.7	22.7
3 22	9 44.84	+ 1 53.5	2.669	3.529	9.4	22.9

18639 Aoyunzhiyuanzhe 2 19.2 267.°07 1.°4/20.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 12	10 31.92	+ 5 41.4	1.931	2.702	15.3	19.4
1 22	10 28.28	+ 5 49.4	1.839	2.700	12.3	19.2
2 1	10 22.31	+ 6 12.6	1.769	2.698	8.6	19.0
2 11	10 14.57	+ 6 48.6	1.724	2.697	4.5	18.7
2 21	10 5.88	+ 7 33.1	1.707	2.695	1.4	18.5
3 2	9 57.27	+ 8 20.5	1.719	2.693	5.0	18.7
3 12	9 49.77	+ 9 4.9	1.759	2.691	9.1	19.0
3 22	9 44.18	+ 9 41.9	1.823	2.689	12.8	19.2

366942 2005 VU_{77} 2 19.2 101.°51 1.°2/20.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 33.83	+ 6 22.6	1.951	2.720	15.3	21.4
1 22	10 29.60	+ 6 30.2	1.871	2.731	12.1	21.2
2 1	10 23.07	+ 6 51.9	1.812	2.742	8.4	21.0
2 11	10 14.87	+ 7 25.0	1.780	2.753	4.3	20.7
2 21	10 5.84	+ 8 5.0	1.775	2.763	1.3	20.5
3 2	9 57.01	+ 8 46.6	1.801	2.773	4.9	20.8
3 12	9 49.38	+ 9 24.5	1.854	2.783	8.8	21.1
3 22	9 43.68	+ 9 54.8	1.931	2.793	12.4	21.3

66559 1999 RB_{135} 2 19.2 149.°16 0.°8/20.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 31.21	+ 5 15.7	2.508	3.262	12.7	20.3
1 22	10 27.09	+ 5 52.8	2.419	3.271	10.0	20.1
2 1	10 21.17	+ 6 43.3	2.353	3.280	6.9	20.0
2 11	10 13.94	+ 7 44.2	2.315	3.288	3.4	19.7
2 21	10 6.04	+ 8 51.0	2.308	3.296	0.9	19.5
3 2	9 58.24	+ 9 58.3	2.331	3.303	4.0	19.8
3 12	9 51.31	+11 1.0	2.384	3.309	7.4	20.0
3 22	9 45.85	+11 55.1	2.464	3.315	10.4	20.2

325649 2009 SL_{330} 2 19.2 203.°40 3.°2/22.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 34.86	+ 0 25.6	2.499	3.224	13.5	21.1
1 22	10 30.03	+ 0 9.7	2.393	3.219	11.0	20.9
2 1	10 23.23	+ 0 7.5	2.308	3.213	8.2	20.7
2 11	10 14.95	+ 0 18.5	2.251	3.207	5.2	20.5
2 21	10 5.83	+ 0 40.9	2.223	3.200	3.2	20.4
3 2	9 56.70	+ 1 11.6	2.225	3.192	4.6	20.5
3 12	9 48.42	+ 1 46.4	2.257	3.184	7.6	20.6
3 22	9 41.68	+ 2 21.0	2.316	3.175	10.7	20.8

450431 2005 UH_{200} 2 19.2 151.°69 0.°7/19.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 36.96	+ 6 49.0	1.812	2.581	16.3	22.5
1 22	10 32.28	+ 7 14.9	1.729	2.591	12.9	22.3
2 1	10 25.02	+ 7 56.9	1.668	2.600	8.8	22.1
2 11	10 15.83	+ 8 51.4	1.633	2.608	4.3	21.8
2 21	10 5.64	+ 9 52.2	1.627	2.615	0.9	21.6
3 2	9 55.64	+10 52.4	1.650	2.621	5.4	21.9
3 12	9 46.98	+11 45.5	1.701	2.627	9.8	22.2
3 22	9 40.48	+12 27.3	1.776	2.632	13.6	22.4

244043 2001 SZ_{335} 2 19.2 249.°62 0.°0/19.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 31.10	+ 9 34.4	2.400	3.173	12.6	21.6
1 22	10 27.21	+ 9 52.1	2.299	3.165	10.0	21.4
2 1	10 21.39	+10 20.2	2.222	3.157	6.7	21.1
2 11	10 14.10	+10 55.7	2.172	3.149	3.1	20.9
2 21	10 6.01	+11 34.5	2.152	3.140	0.7	20.7
3 2	9 57.95	+12 12.2	2.162	3.132	4.5	20.9
3 12	9 50.77	+12 44.6	2.200	3.123	8.0	21.1
3 22	9 45.12	+13 8.6	2.264	3.114	11.2	21.3

218669 2005 SX_{220} 2 19.2 203.°48 2.°6/21.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 34.45	+ 2 0.6	2.433	3.167	13.5	20.9
1 22	10 29.77	+ 1 53.9	2.327	3.163	11.0	20.7
2 1	10 23.09	+ 2 0.8	2.245	3.157	8.0	20.5
2 11	10 14.89	+ 2 20.4	2.189	3.151	4.8	20.3
2 21	10 5.85	+ 2 50.3	2.162	3.144	2.6	20.1
3 2	9 56.81	+ 3 26.9	2.166	3.136	4.5	20.3
3 12	9 48.65	+ 4 5.5	2.200	3.128	7.7	20.4
3 22	9 42.05	+ 4 42.0	2.260	3.119	10.9	20.6

461719 2005 SE_{166} 2 19.2 141.°05 1.°2/18.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 33.77	+12 11.6	2.304	3.082	13.0	22.1
1 22	10 29.24	+12 57.2	2.223	3.094	10.0	21.9
2 1	10 22.69	+13 52.5	2.167	3.105	6.6	21.7
2 11	10 14.66	+14 52.9	2.138	3.116	3.0	21.5
2 21	10 5.92	+15 52.6	2.140	3.126	1.7	21.4
3 2	9 57.34	+16 46.2	2.172	3.135	5.1	21.7
3 12	9 49.79	+17 29.2	2.233	3.144	8.6	21.9
3 22	9 43.92	+17 59.5	2.320	3.153	11.6	22.1

306626 2000 QD_{77} 2 19.3 156.°09 0.°2/19.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 35.87	+ 7 47.6	2.039	2.806	14.8	22.1
1 22	10 31.15	+ 8 19.5	1.954	2.815	11.6	21.9
2 1	10 24.13	+ 9 5.6	1.891	2.823	7.9	21.7
2 11	10 15.39	+10 1.8	1.855	2.831	3.7	21.5
2 21	10 5.77	+11 2.5	1.849	2.837	0.7	21.2
3 2	9 56.30	+12 1.5	1.873	2.843	5.0	21.6
3 12	9 47.99	+12 53.1	1.925	2.848	9.0	21.8
3 22	9 41.61	+13 33.5	2.003	2.852	12.5	22.0

162610 2000 SF_{98} 2 19.3 225.°95 0.°8/19.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 12	10 35.96	+ 7 0.9	1.995	2.761	15.1	21.2
1 22	10 31.51	+ 7 16.2	1.890	2.750	12.1	21.0
2 1	10 24.58	+ 7 46.1	1.807	2.738	8.4	20.8
2 11	10 15.70	+ 8 27.9	1.751	2.725	4.1	20.5
2 21	10 5.68	+ 9 16.9	1.723	2.711	1.0	20.2
3 2	9 55.59	+10 7.3	1.725	2.696	5.2	20.5
3 12	9 46.58	+10 53.1	1.755	2.681	9.5	20.7
3 22	9 39.52	+11 29.9	1.811	2.665	13.4	20.9

365935 2011 YT_{75} 2 19.3 89.°16 9.°5/10.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 33.63	+18 6.3	1.056	1.897	20.7	20.4
1 22	10 31.72	+22 5.4	1.002	1.908	16.0	20.2
2 1	10 25.81	+26 26.7	0.973	1.919	11.5	20.0
2 11	10 16.58	+30 43.6	0.970	1.930	9.5	19.9
2 21	10 5.48	+34 27.3	0.994	1.940	11.8	20.0
3 2	9 54.59	+37 17.2	1.042	1.951	16.0	20.3
3 12	9 45.98	+39 7.1	1.112	1.961	20.1	20.6
3 22	9 41.00	+40 2.4	1.198	1.971	23.6	20.9

212302 2005 NX_{57} 2 19.3 356.°03 0.°2/19.0 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 27.95	+ 8 29.8	2.268	3.047	13.1	20.2
1 22	10 24.86	+ 9 14.4	2.176	3.046	10.3	20.0
2 1	10 19.85	+10 12.3	2.109	3.046	6.9	19.8
2 11	10 13.40	+11 19.5	2.068	3.045	3.2	19.5
2 21	10 6.19	+12 30.5	2.057	3.045	0.8	19.3
3 2	9 59.06	+13 39.3	2.075	3.045	4.7	19.6
3 12	9 52.83	+14 40.3	2.122	3.045	8.3	19.8
3 22	9 48.15	+15 29.6	2.194	3.045	11.5	20.0

459846 2013 TK_{33} 2 19.3 260.°96 2.°1/17.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 37.12	+16 12.7	1.984	2.775	14.3	20.9
1 22	10 32.45	+16 28.7	1.884	2.761	11.2	20.7
2 1	10 25.22	+16 51.5	1.807	2.747	7.6	20.4
2 11	10 15.99	+17 16.4	1.756	2.733	3.7	20.2
2 21	10 5.64	+17 37.8	1.734	2.718	2.5	20.0
3 2	9 55.32	+17 50.9	1.742	2.704	6.3	20.3
3 12	9 46.18	+17 52.1	1.777	2.689	10.4	20.5
3 22	9 39.13	+17 40.3	1.836	2.674	14.0	20.7

508212 2015 GA_{21} 2 19.3 47.°91 2.°9/22.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 27.99	− 0 40.5	2.250	2.992	14.3	21.5
1 22	10 24.86	− 0 24.7	2.159	2.996	11.7	21.4
2 1	10 19.83	+ 0 9.2	2.089	3.000	8.6	21.2
2 11	10 13.39	+ 0 59.6	2.045	3.004	5.3	21.0
2 21	10 6.22	+ 2 2.9	2.029	3.009	3.0	20.8
3 2	9 59.14	+ 3 13.8	2.042	3.014	4.5	20.9
3 12	9 52.96	+ 4 26.0	2.084	3.018	7.7	21.1
3 22	9 48.33	+ 5 33.8	2.151	3.023	10.9	21.3

40926 1999 TQ_{177} 2 19.3 140.°43 2.°0/21.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 30.91	+ 2 40.8	2.243	2.994	14.1	20.0
1 22	10 27.11	+ 2 56.2	2.152	2.999	11.3	19.8
2 1	10 21.33	+ 3 27.2	2.084	3.005	8.1	19.6
2 11	10 14.08	+ 4 11.8	2.043	3.010	4.5	19.4
2 21	10 6.08	+ 5 6.2	2.030	3.014	2.0	19.3
3 2	9 58.17	+ 6 5.0	2.046	3.019	4.4	19.4
3 12	9 51.22	+ 7 2.8	2.092	3.023	7.9	19.7
3 22	9 45.89	+ 7 54.7	2.163	3.028	11.1	19.9

200745 2001 VA_{115} 2 19.3 143.°28 1.°3/20.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 37.12	+ 5 52.7	1.844	2.609	16.2	21.0
1 22	10 32.33	+ 6 4.8	1.762	2.620	12.9	20.8
2 1	10 25.03	+ 6 32.6	1.701	2.630	8.9	20.6
2 11	10 15.84	+ 7 13.1	1.667	2.639	4.6	20.3
2 21	10 5.71	+ 8 1.4	1.661	2.648	1.3	20.1
3 2	9 55.77	+ 8 51.2	1.684	2.656	5.2	20.4
3 12	9 47.16	+ 9 36.7	1.735	2.664	9.4	20.6
3 22	9 40.67	+10 13.4	1.811	2.670	13.2	20.9

152273 2005 SL_{220} 2 19.3 226.°04 6.°4/24.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 34.82	− 6 19.6	2.134	2.835	16.1	19.9
1 22	10 30.44	− 7 10.1	2.030	2.828	13.8	19.7
2 1	10 23.77	− 7 42.8	1.946	2.822	11.1	19.5
2 11	10 15.31	− 7 55.4	1.886	2.814	8.3	19.3
2 21	10 5.80	− 7 47.8	1.853	2.807	6.5	19.2
3 2	9 56.24	− 7 21.8	1.848	2.799	7.0	19.2
3 12	9 47.64	− 6 42.3	1.871	2.791	9.4	19.3
3 22	9 40.85	− 5 55.5	1.918	2.783	12.3	19.5

349962 2010 DP_{31} 2 19.3 219.°63 3.°7/14.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 31.17	+22 51.5	2.916	3.709	10.1	21.7
1 22	10 27.02	+23 51.4	2.824	3.701	7.9	21.6
2 1	10 21.15	+24 54.0	2.758	3.693	5.6	21.4
2 11	10 13.97	+25 53.9	2.721	3.684	3.9	21.3
2 21	10 6.10	+26 46.0	2.714	3.675	4.2	21.3
3 2	9 58.27	+27 26.1	2.737	3.665	6.3	21.4
3 12	9 51.21	+27 51.5	2.788	3.655	8.7	21.5
3 22	9 45.51	+28 1.7	2.863	3.645	11.0	21.7

209004 2003 BF_{26} 2 19.3 82°.68 1°.0/20.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 12	10 28.16	+ 4 25.0	2.354	3.115	13.2	20.5
1 22	10 24.88	+ 5 5.5	2.266	3.122	10.5	20.3
2 1	10 19.79	+ 6 1.2	2.202	3.129	7.2	20.1
2 11	10 13.36	+ 7 8.7	2.164	3.137	3.7	19.9
2 21	10 6.25	+ 8 23.3	2.156	3.144	1.0	19.7
3 2	9 59.23	+ 9 39.0	2.178	3.151	4.1	20.0
3 12	9 53.11	+10 50.1	2.230	3.158	7.6	20.2
3 22	9 48.46	+11 51.9	2.307	3.166	10.7	20.4

502536 2015 BU_{442} 2 19.3 113°.57 1°.2/18.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 30.88	+11 47.0	2.250	3.035	13.0	21.4
1 22	10 27.09	+12 33.4	2.169	3.043	10.1	21.2
2 1	10 21.30	+13 30.3	2.112	3.051	6.7	21.0
2 11	10 14.06	+14 32.9	2.082	3.060	3.0	20.8
2 21	10 6.10	+15 35.5	2.082	3.068	1.6	20.7
3 2	9 58.28	+16 32.4	2.111	3.076	5.1	21.0
3 12	9 51.46	+17 18.8	2.169	3.083	8.6	21.2
3 22	9 46.28	+17 52.3	2.252	3.091	11.7	21.4

106198 2000 UQ_{18} 2 19.3 180°.69 4°.6/24.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 29.99	− 7 56.5	3.220	3.891	11.7	20.2
1 22	10 25.81	− 8 17.3	3.114	3.892	9.9	20.1
2 1	10 20.18	− 8 23.9	3.031	3.892	8.0	19.9
2 11	10 13.49	− 8 15.7	2.973	3.892	6.0	19.8
2 21	10 6.22	− 7 53.5	2.943	3.892	4.7	19.7
3 2	9 58.98	− 7 19.3	2.943	3.891	4.9	19.7
3 12	9 52.35	− 6 36.7	2.973	3.890	6.5	19.8
3 22	9 46.85	− 5 49.6	3.030	3.888	8.5	19.9

312992 1999 TU_{156} 2 19.3 78°.24 1°.2/20.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 36.76	+ 6 33.9	1.604	2.382	17.7	21.0
1 22	10 32.22	+ 6 41.4	1.539	2.404	14.0	20.8
2 1	10 24.98	+ 7 5.5	1.494	2.427	9.6	20.6
2 11	10 15.79	+ 7 42.4	1.475	2.449	4.8	20.4
2 21	10 5.75	+ 8 26.5	1.483	2.471	1.3	20.2
3 2	9 56.11	+ 9 11.2	1.519	2.493	5.5	20.5
3 12	9 48.05	+ 9 50.5	1.583	2.514	9.9	20.8
3 22	9 42.35	+10 20.2	1.670	2.535	13.8	21.1

217788 2000 SV_{280} 2 19.3 45°.25 8°.8/15.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 52.88	+33 56.0	1.501	2.297	17.9	18.6
1 22	10 44.90	+34 17.6	1.458	2.325	14.5	18.5
2 1	10 33.33	+34 27.9	1.435	2.352	11.3	18.3
2 11	10 19.46	+34 16.7	1.438	2.381	9.0	18.3
2 21	10 5.04	+33 38.1	1.467	2.409	9.2	18.4
3 2	9 51.88	+32 31.5	1.523	2.438	11.3	18.5
3 12	9 41.41	+31 2.0	1.604	2.467	14.2	18.8
3 22	9 34.32	+29 17.2	1.708	2.497	16.9	19.0

285589 2000 QB_{94} 2 19.3 200°.87 1°.5/20.6 14 C

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 35.94	+ 4 38.3	2.168	2.919	14.5	22.9
1 22	10 31.21	+ 4 52.2	2.065	2.914	11.7	22.7
2 1	10 24.23	+ 5 21.1	1.986	2.909	8.2	22.5
2 11	10 15.50	+ 6 2.7	1.932	2.902	4.4	22.2
2 21	10 5.79	+ 6 53.1	1.908	2.895	1.6	22.0
3 2	9 56.08	+ 7 46.9	1.915	2.887	4.7	22.2
3 12	9 47.37	+ 8 38.5	1.951	2.878	8.7	22.4
3 22	9 40.45	+ 9 23.1	2.013	2.868	12.2	22.6

235510 2004 BD_{146} 2 19.3 81°.85 2°.7/16.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 31.60	+16 44.8	2.173	2.970	13.0	20.3
1 22	10 27.71	+17 38.3	2.100	2.982	10.0	20.1
2 1	10 21.75	+18 38.9	2.052	2.994	6.7	19.9
2 11	10 14.27	+19 40.6	2.031	3.006	3.5	19.8
2 21	10 6.07	+20 37.0	2.039	3.018	3.2	19.8
3 2	9 58.08	+21 22.7	2.077	3.030	6.2	20.0
3 12	9 51.19	+21 54.1	2.142	3.042	9.4	20.2
3 22	9 46.06	+22 9.9	2.231	3.054	12.3	20.4

200804 2001 XO_{143} 2 19.3 76°.79 4°.4/22.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 34.52	+ 0 0.3	1.490	2.253	19.5	20.3
1 22	10 30.89	− 0 19.8	1.413	2.263	16.0	20.1
2 1	10 24.37	− 0 17.4	1.356	2.272	11.8	19.9
2 11	10 15.64	+ 0 7.3	1.320	2.281	7.4	19.6
2 21	10 5.79	+ 0 50.7	1.311	2.291	4.4	19.5
3 2	9 56.15	+ 1 46.5	1.328	2.300	6.4	19.6
3 12	9 48.05	+ 2 46.1	1.372	2.310	10.6	19.9
3 22	9 42.42	+ 3 42.1	1.438	2.319	14.7	20.1

123492 2000 WL_{171} 2 19.3 139°.52 3°.3/15.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 33.89	+18 45.3	2.375	3.166	12.2	20.7
1 22	10 29.35	+19 51.4	2.300	3.178	9.4	20.5
2 1	10 22.79	+21 3.0	2.251	3.190	6.4	20.4
2 11	10 14.75	+22 13.9	2.230	3.201	3.7	20.2
2 21	10 5.99	+23 17.6	2.239	3.211	3.8	20.2
3 2	9 57.40	+24 8.7	2.278	3.221	6.4	20.4
3 12	9 49.85	+24 44.0	2.345	3.230	9.4	20.6
3 22	9 44.00	+25 2.5	2.436	3.239	12.1	20.8

295796 2008 UV_{273} 2 19.3 219°.63 3°.3/21.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 12	10 35.68	+ 0 32.6	1.916	2.659	16.4	22.3
1 22	10 31.40	+ 0 30.7	1.811	2.650	13.5	22.1
2 1	10 24.59	+ 0 47.9	1.727	2.640	9.9	21.8
2 11	10 15.76	+ 1 23.4	1.667	2.629	6.1	21.6
2 21	10 5.75	+ 2 14.4	1.636	2.617	3.4	21.4
3 2	9 55.65	+ 3 15.3	1.633	2.604	5.5	21.5
3 12	9 46.63	+ 4 19.1	1.659	2.591	9.5	21.7
3 22	9 39.63	+ 5 19.2	1.710	2.577	13.4	21.9

59782 1999 NG_{43} 2 19.3 203°.58 3°.2/15.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 32.21	+17 19.1	2.350	3.142	12.3	20.0
1 22	10 28.23	+18 33.5	2.259	3.138	9.5	19.8
2 1	10 22.17	+19 56.2	2.193	3.134	6.4	19.6
2 11	10 14.53	+21 20.7	2.156	3.129	3.7	19.4
2 21	10 6.03	+22 40.1	2.149	3.123	3.7	19.4
3 2	9 57.54	+23 47.8	2.172	3.117	6.6	19.6
3 12	9 50.00	+24 39.4	2.223	3.110	9.7	19.7
3 22	9 44.11	+25 13.0	2.298	3.103	12.6	19.9

306801 2001 QL_{20} 2 19.3 124°.31 1°.2/18.0 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 33.61	+14 18.7	2.825	3.598	10.9	20.9
1 22	10 28.68	+14 41.4	2.746	3.614	8.4	20.8
2 1	10 22.10	+15 9.7	2.692	3.629	5.6	20.6
2 11	10 14.36	+15 40.1	2.668	3.644	2.6	20.4
2 21	10 6.09	+16 9.0	2.674	3.659	1.5	20.4
3 2	9 58.00	+16 32.8	2.711	3.673	4.3	20.6
3 12	9 50.79	+16 49.1	2.778	3.687	7.2	20.8
3 22	9 44.97	+16 56.4	2.871	3.700	9.7	21.0

203290 2001 SJ_{66} 2 19.3 169°.09 0°.8/19.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 35.98	+ 5 51.1	2.077	2.835	14.8	22.1
1 22	10 31.25	+ 6 24.2	1.986	2.841	11.8	21.9
2 1	10 24.24	+ 7 13.1	1.918	2.846	8.1	21.7
2 11	10 15.49	+ 8 14.2	1.877	2.850	4.0	21.4
2 21	10 5.83	+ 9 22.0	1.865	2.853	0.9	21.2
3 2	9 56.27	+10 30.0	1.884	2.855	4.9	21.5
3 12	9 47.82	+11 32.1	1.932	2.857	8.9	21.7
3 22	9 41.25	+12 23.6	2.006	2.857	12.4	21.9

467697 2008 WW_{46} 2 19.3 106°.60 5°.0/14.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 34.00	+24 42.9	2.284	3.086	12.3	21.7
1 22	10 29.57	+25 48.7	2.218	3.097	9.6	21.5
2 1	10 22.98	+26 55.6	2.176	3.109	6.9	21.4
2 11	10 14.85	+27 56.4	2.162	3.121	5.1	21.3
2 21	10 5.99	+28 44.6	2.176	3.132	5.6	21.3
3 2	9 57.36	+29 15.7	2.219	3.143	7.8	21.5
3 12	9 49.90	+29 27.7	2.289	3.154	10.5	21.7
3 22	9 44.27	+29 21.2	2.382	3.164	12.9	21.8

286962 2002 PN_{185} 2 19.3 148°.37 1°.1/18.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 32.23	+12 54.0	2.415	3.195	12.4	21.7
1 22	10 28.01	+13 26.6	2.329	3.201	9.6	21.5
2 1	10 21.87	+14 7.6	2.267	3.206	6.4	21.3
2 11	10 14.33	+14 52.9	2.234	3.211	2.9	21.1
2 21	10 6.09	+15 37.8	2.230	3.216	1.6	21.0
3 2	9 57.98	+16 17.4	2.256	3.220	4.9	21.2
3 12	9 50.82	+16 48.1	2.311	3.224	8.2	21.4
3 22	9 45.24	+17 7.8	2.391	3.228	11.2	21.6

436377 2010 OF_{106} 2 19.3 268°.01 5°.1/24.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 28.23	− 6 57.4	2.427	3.128	14.4	21.6
1 22	10 25.03	− 7 5.1	2.320	3.120	12.2	21.4
2 1	10 19.98	− 6 53.4	2.233	3.112	9.7	21.2
2 11	10 13.51	− 6 21.8	2.171	3.104	7.1	21.1
2 21	10 6.25	− 5 31.9	2.135	3.096	5.2	20.9
3 2	9 58.98	− 4 27.2	2.128	3.087	5.6	20.9
3 12	9 52.49	− 3 13.5	2.150	3.079	7.8	21.1
3 22	9 47.45	− 1 57.0	2.198	3.071	10.6	21.2

83701 2001 TA_{75} 2 19.3 205°.03 0°.9/18.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 30.62	+12 13.9	2.820	3.593	10.9	20.4
1 22	10 26.55	+12 46.6	2.721	3.589	8.5	20.2
2 1	10 20.81	+13 27.3	2.647	3.584	5.7	20.0
2 11	10 13.83	+14 12.4	2.602	3.579	2.6	19.8
2 21	10 6.20	+14 58.0	2.587	3.574	1.2	19.7
3 2	9 58.61	+15 39.9	2.603	3.568	4.3	19.9
3 12	9 51.76	+16 14.6	2.649	3.561	7.3	20.1
3 22	9 46.23	+16 39.9	2.720	3.555	10.0	20.3

335595 2006 DV_{155} 2 19.3 355°.33 1°.1/20.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 34.04	+ 8 9.3	1.844	2.623	15.7	20.2
1 22	10 30.04	+ 7 58.4	1.756	2.622	12.5	20.0
2 1	10 23.58	+ 7 59.8	1.688	2.621	8.6	19.7
2 11	10 15.23	+ 8 11.1	1.646	2.621	4.3	19.5
2 21	10 5.90	+ 8 28.6	1.632	2.620	1.2	19.2
3 2	9 56.69	+ 8 48.0	1.647	2.620	5.2	19.5
3 12	9 48.71	+ 9 4.6	1.689	2.620	9.4	19.8
3 22	9 42.79	+ 9 15.0	1.754	2.620	13.2	20.0

204306 2004 PE_{98} 2 19.3 152°.99 4°.2/15.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 12	10 37.71	+19 3.5	1.832	2.632	15.0	21.4
1 22	10 32.98	+20 14.2	1.758	2.640	11.6	21.2
2 1	10 25.57	+21 32.3	1.708	2.648	7.9	21.0
2 11	10 16.15	+22 49.4	1.684	2.655	4.7	20.9
2 21	10 5.71	+23 56.9	1.689	2.662	4.9	20.9
3 2	9 55.50	+24 47.4	1.723	2.667	8.1	21.1
3 12	9 46.72	+25 17.1	1.783	2.672	11.7	21.3
3 22	9 40.22	+25 25.8	1.866	2.676	14.9	21.5

135157 2001 QO_{230} 2 19.3 288°.77 3°.1/21.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 33.22	+ 3 9.8	1.754	2.520	16.9	20.3
1 22	10 29.75	+ 2 50.4	1.650	2.504	13.8	20.1
2 1	10 23.63	+ 2 47.6	1.566	2.488	10.1	19.8
2 11	10 15.37	+ 3 0.9	1.506	2.473	5.9	19.5
2 21	10 5.84	+ 3 27.9	1.473	2.457	3.1	19.3
3 2	9 56.21	+ 4 3.8	1.468	2.441	5.7	19.4
3 12	9 47.71	+ 4 42.6	1.490	2.426	10.1	19.6
3 22	9 41.34	+ 5 18.5	1.535	2.410	14.2	19.8

421794 2014 QC_{28} 2 19.3 253°.96 0°.2/19.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 34.56	+ 8 52.0	1.686	2.473	16.6	21.8
1 22	10 30.85	+ 9 8.0	1.591	2.463	13.2	21.5
2 1	10 24.38	+ 9 39.4	1.516	2.453	9.0	21.3
2 11	10 15.71	+10 22.5	1.467	2.443	4.3	21.0
2 21	10 5.78	+11 11.6	1.444	2.433	0.8	20.7
3 2	9 55.84	+11 59.8	1.451	2.422	5.9	21.0
3 12	9 47.19	+12 40.5	1.483	2.412	10.7	21.2
3 22	9 40.82	+13 9.4	1.539	2.401	15.0	21.5

362101 2009 CK_{3} 2 19.3 77°.33 0°.5/18.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 36.89	+10 12.0	1.491	2.286	18.0	21.3
1 22	10 32.57	+10 37.6	1.428	2.306	14.1	21.1
2 1	10 25.35	+11 18.1	1.386	2.326	9.4	20.9
2 11	10 16.03	+12 7.9	1.368	2.346	4.3	20.6
2 21	10 5.76	+12 59.7	1.378	2.366	1.2	20.4
3 2	9 55.92	+13 46.0	1.415	2.385	6.3	20.8
3 12	9 47.79	+14 20.9	1.478	2.405	10.9	21.1
3 22	9 42.19	+14 41.6	1.565	2.424	14.9	21.4

352750 2008 TO_{117} 2 19.3 17°.07 4°.2/21.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 31.35	+ 0 58.9	1.288	2.074	20.9	20.9
1 22	10 28.90	+ 0 42.2	1.212	2.076	17.1	20.6
2 1	10 23.31	+ 0 50.4	1.153	2.079	12.6	20.3
2 11	10 15.26	+ 1 23.1	1.117	2.082	7.6	20.1
2 21	10 5.89	+ 2 16.1	1.104	2.086	4.2	19.9
3 2	9 56.68	+ 3 21.5	1.116	2.091	6.7	20.0
3 12	9 49.14	+ 4 29.3	1.153	2.096	11.5	20.3
3 22	9 44.30	+ 5 30.6	1.211	2.102	16.1	20.6

317481 2002 RO_{248} 2 19.3 115°.45 0°.4/19.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 31.23	+ 7 36.6	2.384	3.150	12.9	21.5
1 22	10 27.20	+ 8 2.1	2.301	3.162	10.1	21.4
2 1	10 21.31	+ 8 39.3	2.241	3.173	6.9	21.2
2 11	10 14.07	+ 9 25.1	2.209	3.184	3.3	21.0
2 21	10 6.16	+10 15.0	2.206	3.194	0.6	20.8
3 2	9 58.41	+11 4.2	2.233	3.204	4.2	21.1
3 12	9 51.59	+11 48.3	2.290	3.214	7.7	21.3
3 22	9 46.32	+12 23.9	2.372	3.224	10.7	21.5

278365 2007 KR_{7} 2 19.3 256°.95 5°.5/24.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 29.91	− 7 53.8	2.345	3.039	15.0	21.2
1 22	10 26.50	− 8 2.6	2.228	3.023	12.8	21.0
2 1	10 21.08	− 7 50.8	2.131	3.005	10.3	20.8
2 11	10 14.08	− 7 17.3	2.058	2.988	7.6	20.6
2 21	10 6.14	− 6 23.0	2.012	2.970	5.7	20.4
3 2	9 58.09	− 5 11.4	1.994	2.952	6.1	20.4
3 12	9 50.82	− 3 48.9	2.005	2.933	8.4	20.5
3 22	9 45.08	− 2 22.4	2.042	2.914	11.4	20.7

498360 2007 VK_{316} 2 19.3 203°.27 6°.7/26.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 30.07	−11 34.8	2.546	3.210	14.6	21.7
1 22	10 26.36	−12 11.7	2.444	3.209	12.7	21.5
2 1	10 20.82	−12 29.5	2.362	3.207	10.6	21.4
2 11	10 13.90	−12 26.6	2.303	3.206	8.4	21.2
2 21	10 6.21	−12 2.9	2.271	3.204	6.9	21.1
3 2	9 58.53	−11 20.5	2.265	3.202	6.9	21.1
3 12	9 51.63	−10 24.2	2.288	3.200	8.4	21.2
3 22	9 46.17	− 9 19.7	2.336	3.198	10.5	21.3

1184 Gaea 2 19.3 201°.02 2°.9/17.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 37.47	+18 35.4	2.060	2.852	13.8	15.7
1 22	10 32.52	+19 0.0	1.973	2.851	10.8	15.5
2 1	10 25.14	+19 29.5	1.909	2.849	7.3	15.3
2 11	10 15.94	+19 58.4	1.872	2.846	3.9	15.1
2 21	10 5.80	+20 21.0	1.864	2.844	3.3	15.0
3 2	9 55.84	+20 32.8	1.886	2.841	6.5	15.2
3 12	9 47.12	+20 31.0	1.935	2.838	10.1	15.5
3 22	9 40.43	+20 15.3	2.008	2.835	13.4	15.7

109152 2001 QA_{60} 2 19.3 50°.67 0°.5/18.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 12	10 31.78	+ 9 23.7	1.630	2.425	16.7	19.8
1 22	10 28.55	+ 9 59.9	1.554	2.433	13.1	19.6
2 1	10 22.69	+10 52.1	1.500	2.441	8.8	19.3
2 11	10 14.86	+11 55.0	1.471	2.449	4.0	19.0
2 21	10 6.04	+13 1.3	1.469	2.457	1.2	18.9
3 2	9 57.44	+14 3.1	1.495	2.466	6.0	19.2
3 12	9 50.23	+14 53.9	1.547	2.474	10.5	19.5
3 22	9 45.23	+15 29.6	1.623	2.483	14.4	19.7

64613 2001 XP_{26} 2 19.3 68°.63 5°.3/14.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 37.88	+22 8.3	1.750	2.557	15.3	18.4
1 22	10 32.91	+23 29.2	1.707	2.592	11.8	18.2
2 1	10 25.32	+24 52.3	1.688	2.626	8.2	18.1
2 11	10 15.93	+26 8.4	1.695	2.660	5.6	18.0
2 21	10 5.85	+27 8.9	1.731	2.694	5.9	18.1
3 2	9 56.33	+27 48.3	1.794	2.727	8.7	18.3
3 12	9 48.46	+28 4.8	1.883	2.760	11.8	18.6
3 22	9 42.93	+28 0.2	1.994	2.792	14.5	18.8

348462 2005 SH_{20} 2 19.3 178°.49 3°.1/16.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 38.86	+16 32.3	1.875	2.666	15.0	21.5
1 22	10 33.88	+17 26.4	1.791	2.669	11.7	21.3
2 1	10 26.21	+18 29.7	1.730	2.671	7.8	21.1
2 11	10 16.49	+19 35.1	1.697	2.672	4.1	20.9
2 21	10 5.70	+20 34.9	1.692	2.672	3.6	20.8
3 2	9 55.05	+21 21.9	1.717	2.671	7.2	21.0
3 12	9 45.77	+21 51.7	1.769	2.669	11.1	21.3
3 22	9 38.72	+22 3.2	1.844	2.666	14.6	21.5

65009 2002 AO_{81} 2 19.3 85°.04 2°.7/16.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 30.94	+13 48.8	1.849	2.651	14.8	19.6
1 22	10 27.67	+15 6.4	1.773	2.657	11.4	19.4
2 1	10 22.00	+16 36.7	1.720	2.664	7.5	19.1
2 11	10 14.53	+18 12.3	1.694	2.671	3.7	18.9
2 21	10 6.13	+19 44.3	1.697	2.678	3.3	18.9
3 2	9 57.88	+21 4.4	1.728	2.684	6.9	19.1
3 12	9 50.85	+22 6.6	1.786	2.691	10.7	19.4
3 22	9 45.83	+22 48.3	1.868	2.698	14.1	19.6

322562 2011 YH_{59} 2 19.3 133°.01 1°.8/17.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 34.60	+12 56.2	1.870	2.661	15.0	21.0
1 22	10 30.43	+13 46.1	1.792	2.670	11.7	20.8
2 1	10 23.80	+14 47.6	1.737	2.679	7.7	20.6
2 11	10 15.34	+15 54.9	1.709	2.687	3.6	20.4
2 21	10 5.97	+17 0.5	1.710	2.695	2.3	20.3
3 2	9 56.79	+17 57.4	1.740	2.702	6.2	20.5
3 12	9 48.89	+18 40.5	1.797	2.709	10.2	20.8
3 22	9 43.07	+19 7.3	1.877	2.716	13.7	21.0

79284 1995 SJ_{43} 2 19.3 235°.01 2°.1/17.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 35.66	+13 16.2	1.477	2.283	17.7	19.7
1 22	10 32.08	+13 56.2	1.394	2.279	13.8	19.4
2 1	10 25.40	+14 50.6	1.331	2.275	9.3	19.1
2 11	10 16.26	+15 52.8	1.293	2.272	4.3	18.8
2 21	10 5.76	+16 54.1	1.282	2.267	2.7	18.7
3 2	9 55.38	+17 45.6	1.298	2.263	7.5	19.0
3 12	9 46.58	+18 20.8	1.339	2.259	12.4	19.2
3 22	9 40.41	+18 37.1	1.402	2.254	16.7	19.5

430813 2005 ET_{164} 2 19.3 289°.29 1°.1/18.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 31.20	+12 34.0	2.143	2.932	13.5	21.9
1 22	10 27.61	+13 2.2	2.046	2.922	10.5	21.7
2 1	10 21.86	+13 40.4	1.973	2.913	7.0	21.4
2 11	10 14.46	+14 24.5	1.926	2.904	3.2	21.2
2 21	10 6.16	+15 9.3	1.908	2.895	1.6	21.0
3 2	9 57.88	+15 49.3	1.920	2.886	5.4	21.3
3 12	9 50.61	+16 20.0	1.959	2.877	9.2	21.5
3 22	9 45.07	+16 38.7	2.022	2.868	12.6	21.7

181690 3174 $T\text{-}_{2}$ 2 19.3 68°.31 3°.5/16.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 39.28	+17 46.6	1.600	2.403	16.6	20.5
1 22	10 34.14	+18 33.9	1.551	2.435	12.8	20.3
2 1	10 26.22	+19 27.9	1.523	2.466	8.5	20.2
2 11	10 16.38	+20 20.4	1.522	2.496	4.5	20.0
2 21	10 5.80	+21 3.7	1.548	2.527	4.0	20.0
3 2	9 55.83	+21 31.9	1.602	2.557	7.5	20.3
3 12	9 47.64	+21 42.3	1.683	2.587	11.3	20.6
3 22	9 41.93	+21 35.5	1.786	2.617	14.6	20.9

245429 2005 JR_{107} 2 19.3 119°.06 5°.5/25.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 29.20	− 9 5.2	2.515	3.198	14.3	21.0
1 22	10 25.63	− 9 17.1	2.421	3.206	12.2	20.9
2 1	10 20.29	− 9 9.4	2.348	3.213	9.8	20.7
2 11	10 13.65	− 8 41.7	2.298	3.220	7.4	20.6
2 21	10 6.34	− 7 55.4	2.276	3.227	5.7	20.5
3 2	9 59.10	− 6 53.9	2.282	3.234	5.8	20.5
3 12	9 52.69	− 5 42.8	2.316	3.240	7.6	20.6
3 22	9 47.70	− 4 28.0	2.377	3.247	10.1	20.8

268653 2006 DT_{212} 2 19.3 58°.82 0°.5/18.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 12	10 30.75	+ 9 38.1	1.929	2.716	14.8	20.7
1 22	10 27.39	+10 17.7	1.845	2.720	11.6	20.5
2 1	10 21.75	+11 11.2	1.784	2.723	7.8	20.3
2 11	10 14.41	+12 14.0	1.749	2.727	3.5	20.0
2 21	10 6.18	+13 19.8	1.742	2.730	1.1	19.9
3 2	9 58.08	+14 21.7	1.764	2.734	5.4	20.2
3 12	9 51.11	+15 13.8	1.814	2.737	9.5	20.4
3 22	9 46.03	+15 52.6	1.888	2.741	13.0	20.6

393224 2013 EB_{103} 2 19.3 246°.88 3°.6/16.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 33.68	+16 25.7	1.707	2.514	15.6	20.9
1 22	10 30.23	+17 34.1	1.619	2.506	12.2	20.7
2 1	10 24.00	+18 54.6	1.553	2.497	8.2	20.4
2 11	10 15.58	+20 19.2	1.514	2.489	4.5	20.2
2 21	10 5.92	+21 38.5	1.502	2.480	4.3	20.1
3 2	9 56.28	+22 43.7	1.518	2.471	8.1	20.3
3 12	9 47.97	+23 28.7	1.560	2.461	12.2	20.6
3 22	9 41.96	+23 51.5	1.624	2.452	16.0	20.8

20487 1999 NJ_{62} 2 19.3 175°.92 3°.5/22.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 31.97	− 2 14.9	2.585	3.300	13.3	19.8
1 22	10 27.72	− 2 15.7	2.485	3.302	11.0	19.7
2 1	10 21.68	− 2 0.7	2.407	3.304	8.3	19.5
2 11	10 14.30	− 1 30.5	2.355	3.305	5.5	19.3
2 21	10 6.21	− 0 47.4	2.332	3.306	3.5	19.2
3 2	9 58.17	+ 0 4.8	2.340	3.306	4.5	19.2
3 12	9 50.93	+ 1 1.3	2.377	3.306	7.2	19.4
3 22	9 45.12	+ 1 57.1	2.441	3.305	10.0	19.6

206302 2003 FJ_{106} 2 19.3 246°.73 2°.6/17.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 35.37	+14 31.4	1.748	2.546	15.7	20.6
1 22	10 31.54	+15 24.1	1.650	2.532	12.3	20.3
2 1	10 24.92	+16 29.7	1.575	2.517	8.2	20.1
2 11	10 16.04	+17 41.9	1.525	2.502	4.1	19.8
2 21	10 5.82	+18 52.3	1.504	2.486	3.3	19.7
3 2	9 55.53	+19 52.4	1.511	2.470	7.4	19.9
3 12	9 46.49	+20 35.8	1.544	2.453	11.8	20.1
3 22	9 39.73	+20 59.8	1.600	2.436	15.8	20.3

129766 1999 GC_{43} 2 19.3 300°.75 3°.8/16.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 34.21	+17 4.9	1.412	2.232	17.6	19.9
1 22	10 31.37	+17 47.1	1.318	2.211	13.9	19.6
2 1	10 25.23	+18 41.5	1.244	2.191	9.5	19.3
2 11	10 16.33	+19 40.2	1.194	2.171	5.0	19.0
2 21	10 5.75	+20 33.6	1.170	2.151	4.5	18.9
3 2	9 55.06	+21 12.3	1.172	2.131	9.0	19.1
3 12	9 45.92	+21 30.0	1.197	2.112	14.0	19.3
3 22	9 39.57	+21 25.0	1.243	2.093	18.5	19.5

506213 2016 JS_{11} 2 19.3 197°.86 7°.5/ 6.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 36.40	+42 32.4	3.348	4.115	9.5	22.2
1 22	10 31.31	+44 5.8	3.286	4.111	8.4	22.1
2 1	10 24.18	+45 31.3	3.250	4.107	7.7	22.1
2 11	10 15.49	+46 42.6	3.242	4.101	7.6	22.1
2 21	10 5.97	+47 34.5	3.260	4.096	8.3	22.1
3 2	9 56.48	+48 3.9	3.304	4.089	9.4	22.2
3 12	9 47.93	+48 10.7	3.370	4.083	10.7	22.3
3 22	9 41.01	+47 56.7	3.456	4.075	11.9	22.4

348800 2006 QK_{43} 2 19.3 174°.48 2°.0/22.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 28.84	+ 0 2.4	3.264	3.983	10.7	21.7
1 22	10 24.91	+ 0 26.0	3.161	3.986	8.7	21.6
2 1	10 19.59	+ 1 2.1	3.083	3.989	6.3	21.4
2 11	10 13.28	+ 1 49.4	3.032	3.991	3.8	21.3
2 21	10 6.44	+ 2 45.1	3.011	3.992	2.1	21.1
3 2	9 59.64	+ 3 45.6	3.023	3.993	3.3	21.2
3 12	9 53.46	+ 4 47.0	3.064	3.993	5.8	21.4
3 22	9 48.34	+ 5 45.4	3.135	3.993	8.2	21.6

315908 2008 RX_{33} 2 19.3 258°.22 0°.5/18.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 28.50	+12 22.1	3.261	4.033	9.6	21.0
1 22	10 24.67	+12 36.6	3.163	4.029	7.5	20.9
2 1	10 19.45	+12 57.1	3.089	4.025	5.0	20.7
2 11	10 13.21	+13 20.9	3.044	4.021	2.3	20.5
2 21	10 6.46	+13 45.3	3.030	4.017	0.8	20.4
3 2	9 59.76	+14 7.4	3.046	4.013	3.6	20.6
3 12	9 53.70	+14 24.6	3.092	4.009	6.2	20.7
3 22	9 48.73	+14 35.3	3.165	4.005	8.6	20.9

498448 2008 AA_{138} 2 19.3 141°.82 2°.8/22.0 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 33.06	+ 1 24.3	2.725	3.452	12.4	21.5
1 22	10 28.41	+ 1 2.5	2.629	3.458	10.1	21.3
2 1	10 22.06	+ 0 52.3	2.557	3.463	7.4	21.2
2 11	10 14.46	+ 0 53.1	2.511	3.469	4.7	21.0
2 21	10 6.21	+ 1 3.4	2.496	3.474	2.9	20.9
3 2	9 58.06	+ 1 20.5	2.511	3.478	4.1	21.0
3 12	9 50.70	+ 1 41.3	2.555	3.483	6.8	21.2
3 22	9 44.73	+ 2 2.2	2.627	3.487	9.5	21.3

120469 1992 DG_{9} 2 19.3 39°.28 2°.4/20.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 12	10 31.96	+ 3 30.7	1.088	1.896	22.5	19.2
1 22	10 29.56	+ 3 39.5	1.036	1.916	18.0	18.9
2 1	10 23.75	+ 4 15.2	1.001	1.938	12.6	18.7
2 11	10 15.44	+ 5 13.9	0.987	1.960	6.7	18.4
2 21	10 6.02	+ 6 26.8	0.997	1.984	2.4	18.3
3 2	9 57.16	+ 7 43.0	1.032	2.008	6.7	18.6
3 12	9 50.35	+ 8 51.7	1.090	2.033	12.0	19.0
3 22	9 46.49	+ 9 45.8	1.169	2.059	16.6	19.3

36373 2000 OJ_{16} 2 19.3 195°.22 0°.4/18.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 37.18	+10 24.2	1.946	2.722	15.1	19.5
1 22	10 32.47	+10 46.9	1.853	2.720	11.9	19.2
2 1	10 25.24	+11 22.0	1.782	2.718	8.0	19.0
2 11	10 16.09	+12 5.3	1.737	2.714	3.7	18.7
2 21	10 5.87	+12 51.2	1.722	2.710	1.0	18.5
3 2	9 55.73	+13 33.9	1.736	2.705	5.5	18.8
3 12	9 46.78	+14 8.1	1.779	2.699	9.8	19.0
3 22	9 39.89	+14 30.8	1.846	2.693	13.5	19.3

462068 2007 EL_{134} 2 19.3 263°.06 2°.4/21.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 29.74	+ 1 2.4	2.134	2.884	14.7	21.3
1 22	10 26.55	+ 1 26.5	2.024	2.869	12.0	21.0
2 1	10 21.23	+ 2 9.6	1.936	2.854	8.7	20.8
2 11	10 14.23	+ 3 10.4	1.874	2.839	5.1	20.6
2 21	10 6.25	+ 4 24.6	1.840	2.824	2.4	20.3
3 2	9 58.19	+ 5 46.3	1.835	2.808	4.7	20.5
3 12	9 51.01	+ 7 8.2	1.859	2.793	8.6	20.7
3 22	9 45.49	+ 8 23.8	1.909	2.777	12.2	20.9

498038 2007 HG_{83} 2 19.3 229°.28 1°.6/20.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 32.23	+ 4 44.1	2.257	3.014	13.8	21.9
1 22	10 28.27	+ 4 51.4	2.155	3.006	11.1	21.6
2 1	10 22.26	+ 5 12.6	2.075	2.999	7.9	21.4
2 11	10 14.66	+ 5 45.7	2.021	2.991	4.2	21.2
2 21	10 6.18	+ 6 27.2	1.996	2.983	1.6	21.0
3 2	9 57.70	+ 7 12.6	2.001	2.974	4.5	21.2
3 12	9 50.13	+ 7 56.7	2.035	2.965	8.2	21.4
3 22	9 44.20	+ 8 35.3	2.095	2.956	11.5	21.6

128636 2004 RJ_{22} 2 19.3 82°.82 0°.5/18.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 34.12	+10 54.7	1.932	2.716	14.9	20.5
1 22	10 29.89	+11 15.9	1.857	2.729	11.6	20.3
2 1	10 23.34	+11 48.3	1.805	2.743	7.8	20.1
2 11	10 15.12	+12 27.6	1.779	2.756	3.5	19.9
2 21	10 6.10	+13 8.4	1.781	2.769	1.1	19.7
3 2	9 57.33	+13 45.2	1.813	2.783	5.3	20.0
3 12	9 49.80	+14 13.6	1.873	2.796	9.2	20.3
3 22	9 44.25	+14 30.9	1.956	2.809	12.7	20.5

488779 2004 TX_{298} 2 19.3 139°.47 3°.1/16.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 38.09	+16 42.5	1.766	2.563	15.6	21.7
1 22	10 33.32	+17 31.6	1.691	2.572	12.1	21.5
2 1	10 25.85	+18 29.3	1.640	2.581	8.1	21.3
2 11	10 16.34	+19 28.5	1.615	2.590	4.2	21.1
2 21	10 5.84	+20 21.3	1.618	2.598	3.7	21.1
3 2	9 55.61	+21 1.1	1.650	2.606	7.3	21.3
3 12	9 46.86	+21 23.7	1.709	2.613	11.2	21.5
3 22	9 40.44	+21 28.5	1.791	2.619	14.7	21.8

123022 2000 SX_{272} 2 19.3 105°.00 0°.2/19.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 33.88	+ 8 58.4	2.020	2.796	14.6	20.6
1 22	10 29.63	+ 9 15.9	1.940	2.806	11.5	20.4
2 1	10 23.15	+ 9 45.7	1.882	2.817	7.8	20.2
2 11	10 15.03	+10 24.0	1.852	2.828	3.6	19.9
2 21	10 6.12	+11 6.0	1.849	2.838	0.7	19.7
3 2	9 57.41	+11 46.4	1.877	2.848	4.9	20.1
3 12	9 49.86	+12 20.4	1.932	2.858	8.8	20.3
3 22	9 44.18	+12 44.8	2.013	2.868	12.2	20.5

369163 2008 SW_{99} 2 19.3 105°.30 0°.7/19.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 30.46	+ 6 15.6	2.175	2.943	13.9	21.1
1 22	10 26.86	+ 6 47.2	2.090	2.951	11.0	20.9
2 1	10 21.25	+ 7 33.2	2.027	2.958	7.5	20.7
2 11	10 14.15	+ 8 30.2	1.991	2.966	3.7	20.5
2 21	10 6.30	+ 9 33.1	1.985	2.973	0.8	20.3
3 2	9 58.57	+10 36.1	2.008	2.980	4.5	20.6
3 12	9 51.84	+11 33.5	2.059	2.987	8.2	20.8
3 22	9 46.77	+12 21.3	2.136	2.994	11.5	21.0

326732 2003 HB_{6} 2 19.3 242°.38 0°.4/19.8 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 33.13	+ 6 53.5	3.218	3.960	10.4	23.8
1 22	10 28.42	+ 7 24.4	3.088	3.935	8.2	23.6
2 1	10 22.10	+ 8 5.7	2.984	3.909	5.7	23.4
2 11	10 14.54	+ 8 55.1	2.910	3.883	2.8	23.2
2 21	10 6.22	+ 9 49.3	2.867	3.855	0.6	22.9
3 2	9 57.77	+10 44.5	2.856	3.826	3.6	23.1
3 12	9 49.88	+11 36.7	2.877	3.796	6.6	23.3
3 22	9 43.11	+12 22.6	2.927	3.765	9.3	23.4

26779 2191 $T\text{-}_2$ 2 19.3 203°.07 1°.8/17.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 12	10 39.10	+13 40.5	1.808	2.595	15.7	20.3
1 22	10 34.24	+14 15.3	1.716	2.590	12.3	20.1
2 1	10 26.60	+15 1.5	1.646	2.585	8.2	19.8
2 11	10 16.78	+15 53.4	1.602	2.579	3.9	19.5
2 21	10 5.75	+16 43.9	1.587	2.572	2.4	19.4
3 2	9 54.77	+17 26.1	1.602	2.565	6.6	19.7
3 12	9 45.14	+17 54.9	1.643	2.556	11.0	19.9
3 22	9 37.80	+18 8.1	1.709	2.547	14.8	20.1

344068 1995 YN_8 2 19.3 169°.01 2°.6/22.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 29.72	− 1 25.9	3.340	4.048	10.6	22.4
1 22	10 25.55	− 1 21.9	3.238	4.053	8.7	22.3
2 1	10 20.01	− 1 5.8	3.160	4.057	6.5	22.1
2 11	10 13.49	− 0 38.6	3.109	4.060	4.2	22.0
2 21	10 6.46	− 0 2.1	3.089	4.063	2.7	21.9
3 2	9 59.48	+ 0 40.8	3.099	4.066	3.5	21.9
3 12	9 53.11	+ 1 26.6	3.140	4.068	5.7	22.1
3 22	9 47.79	+ 2 12.0	3.210	4.069	8.0	22.2

456066 2006 AH_{65} 2 19.3 150°.90 1°.5/20.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 36.73	+ 6 24.8	1.599	2.377	17.7	21.8
1 22	10 32.55	+ 6 23.0	1.515	2.380	14.2	21.6
2 1	10 25.52	+ 6 37.9	1.451	2.383	9.9	21.3
2 11	10 16.28	+ 7 6.8	1.413	2.386	5.1	21.1
2 21	10 5.88	+ 7 44.7	1.401	2.388	1.6	20.8
3 2	9 55.63	+ 8 25.4	1.417	2.391	5.8	21.1
3 12	9 46.85	+ 9 2.4	1.460	2.393	10.5	21.4
3 22	9 40.48	+ 9 31.1	1.526	2.395	14.7	21.6

161492 2004 LG_2 2 19.3 268°.65 4°.9/15.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 34.36	+21 23.3	1.830	2.639	14.6	20.1
1 22	10 30.58	+22 26.0	1.747	2.633	11.4	19.9
2 1	10 24.13	+23 34.5	1.687	2.627	8.0	19.7
2 11	10 15.62	+24 40.7	1.653	2.621	5.2	19.5
2 21	10 6.01	+25 36.1	1.647	2.615	5.5	19.5
3 2	9 56.51	+26 13.8	1.669	2.609	8.6	19.7
3 12	9 48.35	+26 30.1	1.716	2.603	12.1	19.9
3 22	9 42.41	+26 25.0	1.785	2.597	15.4	20.1

175527 2006 SN_{89} 2 19.3 324°.29 4°.4/15.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 33.80	+23 6.4	2.164	2.967	12.9	19.8
1 22	10 29.68	+23 44.0	2.078	2.960	10.1	19.6
2 1	10 23.26	+24 23.6	2.015	2.953	7.1	19.4
2 11	10 15.13	+24 59.0	1.980	2.946	4.7	19.2
2 21	10 6.12	+25 24.2	1.972	2.940	4.9	19.2
3 2	9 57.25	+25 34.8	1.993	2.933	7.4	19.4
3 12	9 49.53	+25 28.6	2.041	2.928	10.5	19.6
3 22	9 43.71	+25 5.8	2.112	2.922	13.4	19.7

310411 1999 TO_{125} 2 19.3 145°.37 0°.7/19.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 35.80	+ 6 57.4	2.030	2.794	14.9	21.5
1 22	10 31.14	+ 7 16.8	1.946	2.805	11.8	21.3
2 1	10 24.19	+ 7 50.3	1.884	2.814	8.1	21.1
2 11	10 15.55	+ 8 34.5	1.849	2.823	4.0	20.9
2 21	10 6.05	+ 9 24.4	1.843	2.831	0.9	20.6
3 2	9 56.72	+10 14.3	1.867	2.839	4.8	20.9
3 12	9 48.56	+10 58.9	1.920	2.846	8.8	21.2
3 22	9 42.31	+11 34.3	1.998	2.853	12.3	21.4

501648 2014 SB_{227} 2 19.3 251°.28 1°.5/18.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 34.60	+12 13.5	1.846	2.636	15.3	21.7
1 22	10 30.79	+12 55.3	1.743	2.620	12.0	21.4
2 1	10 24.35	+13 50.9	1.663	2.604	8.1	21.1
2 11	10 15.79	+14 54.9	1.610	2.587	3.7	20.8
2 21	10 5.97	+16 0.4	1.584	2.570	2.1	20.7
3 2	9 56.06	+16 59.7	1.588	2.552	6.4	20.9
3 12	9 47.28	+17 46.4	1.618	2.534	10.9	21.1
3 22	9 40.62	+18 17.0	1.672	2.516	14.9	21.3

453021 2007 RL_{41} 2 19.3 97°.89 1°.3/18.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 37.24	+11 33.4	1.742	2.529	16.2	21.7
1 22	10 32.48	+12 18.5	1.678	2.553	12.5	21.5
2 1	10 25.15	+13 16.3	1.636	2.576	8.3	21.3
2 11	10 15.97	+14 20.3	1.621	2.599	3.7	21.1
2 21	10 5.98	+15 23.3	1.634	2.621	1.8	21.0
3 2	9 56.36	+16 18.1	1.677	2.642	6.1	21.3
3 12	9 48.24	+16 59.6	1.746	2.663	10.2	21.6
3 22	9 42.35	+17 25.6	1.840	2.683	13.7	21.9

501378 2013 YE_{56} 2 19.3 340°.43 5°.1/13.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 31.96	+24 34.9	2.244	3.050	12.4	21.1
1 22	10 28.19	+25 43.6	2.167	3.050	9.7	20.9
2 1	10 22.24	+26 54.3	2.114	3.049	7.0	20.8
2 11	10 14.65	+27 59.8	2.089	3.048	5.3	20.7
2 21	10 6.24	+28 53.4	2.092	3.048	5.8	20.7
3 2	9 57.95	+29 29.6	2.124	3.047	8.1	20.8
3 12	9 50.76	+29 45.9	2.181	3.047	10.8	21.0
3 22	9 45.38	+29 42.6	2.261	3.046	13.4	21.2

484609 2008 SY_{56} 2 19.3 294°.29 6°.6/15.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 12	10 40.40	+24 26.9	1.438	2.256	17.5	20.9
1 22	10 36.01	+25 21.0	1.366	2.254	13.8	20.6
2 1	10 28.14	+26 17.8	1.315	2.253	10.0	20.4
2 11	10 17.57	+27 6.6	1.288	2.252	7.0	20.2
2 21	10 5.64	+27 37.4	1.286	2.251	7.3	20.2
3 2	9 54.06	+27 43.2	1.311	2.250	10.6	20.4
3 12	9 44.43	+27 22.3	1.360	2.249	14.6	20.6
3 22	9 37.83	+26 37.8	1.429	2.248	18.2	20.9

70408 1999 SH_1 2 19.3 125°.60 3°.0/22.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 34.40	− 0 45.1	2.059	2.793	15.7	20.3
1 22	10 29.97	− 0 27.1	1.978	2.811	12.8	20.1
2 1	10 23.35	+ 0 10.4	1.918	2.827	9.3	19.9
2 11	10 15.15	+ 1 5.4	1.884	2.843	5.7	19.7
2 21	10 6.16	+ 2 13.7	1.878	2.859	3.1	19.6
3 2	9 57.36	+ 3 29.2	1.902	2.874	4.8	19.7
3 12	9 49.70	+ 4 44.7	1.956	2.888	8.3	19.9
3 22	9 43.86	+ 5 54.2	2.035	2.901	11.6	20.2

167130 2003 SL_{156} 2 19.3 72°.60 0°.3/19.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 35.39	+ 8 9.0	1.539	2.328	17.8	20.5
1 22	10 31.40	+ 8 29.6	1.473	2.346	14.0	20.3
2 1	10 24.61	+ 9 6.6	1.427	2.364	9.5	20.1
2 11	10 15.79	+ 9 55.5	1.406	2.382	4.5	19.8
2 21	10 6.04	+10 49.4	1.412	2.400	0.8	19.6
3 2	9 56.64	+11 40.9	1.446	2.418	5.8	20.0
3 12	9 48.83	+12 23.6	1.506	2.436	10.5	20.3
3 22	9 43.43	+12 53.6	1.589	2.454	14.4	20.6

235616 2004 PV_{105} 2 19.3 194°.64 1°.9/17.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 36.51	+13 12.9	1.914	2.700	14.9	21.5
1 22	10 32.04	+14 0.3	1.823	2.698	11.6	21.3
2 1	10 25.02	+14 59.7	1.756	2.696	7.8	21.0
2 11	10 16.04	+16 5.2	1.715	2.692	3.6	20.8
2 21	10 5.97	+17 9.6	1.703	2.688	2.4	20.7
3 2	9 55.96	+18 5.7	1.721	2.683	6.4	20.9
3 12	9 47.18	+18 48.1	1.767	2.678	10.5	21.1
3 22	9 40.50	+19 14.2	1.836	2.671	14.1	21.4

67926 2000 WN_{118} 2 19.3 181°.25 3°.3/16.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 37.92	+18 10.7	1.958	2.751	14.4	19.4
1 22	10 33.06	+18 56.8	1.873	2.752	11.2	19.2
2 1	10 25.64	+19 49.8	1.813	2.753	7.6	18.9
2 11	10 16.29	+20 43.1	1.779	2.753	4.2	18.7
2 21	10 5.93	+21 29.5	1.775	2.752	3.8	18.7
3 2	9 55.73	+22 3.0	1.799	2.751	7.1	18.9
3 12	9 46.83	+22 20.0	1.851	2.749	10.8	19.1
3 22	9 40.06	+22 19.9	1.927	2.747	14.1	19.3

223621 2004 JK_{15} 2 19.3 278°.81 2°.5/21.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 31.71	+ 2 57.3	1.875	2.638	16.0	20.7
1 22	10 28.45	+ 3 0.1	1.767	2.621	13.1	20.5
2 1	10 22.74	+ 3 20.9	1.680	2.603	9.4	20.2
2 11	10 15.05	+ 3 58.5	1.618	2.586	5.4	19.9
2 21	10 6.17	+ 4 49.3	1.583	2.568	2.5	19.7
3 2	9 57.16	+ 5 47.7	1.576	2.550	5.3	19.9
3 12	9 49.18	+ 6 46.7	1.597	2.532	9.6	20.1
3 22	9 43.14	+ 7 40.2	1.642	2.514	13.6	20.3

306824 2001 RB_3 2 19.3 105°.84 3°.8/22.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 35.64	− 0 56.8	2.082	2.812	15.7	20.8
1 22	10 30.86	− 1 11.3	2.004	2.832	12.8	20.6
2 1	10 23.91	− 1 8.3	1.948	2.852	9.5	20.5
2 11	10 15.39	− 0 48.6	1.917	2.871	6.1	20.3
2 21	10 6.13	− 0 14.8	1.914	2.890	3.9	20.2
3 2	9 57.10	+ 0 28.6	1.940	2.908	5.2	20.3
3 12	9 49.22	+ 1 16.0	1.995	2.926	8.3	20.5
3 22	9 43.19	+ 2 2.1	2.076	2.943	11.4	20.7

206809 2004 DS_{58} 2 19.3 270°.01 1°.3/18.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 30.52	+12 48.4	2.283	3.070	12.8	21.1
1 22	10 26.93	+13 25.0	2.191	3.067	9.9	20.9
2 1	10 21.34	+14 11.2	2.123	3.063	6.6	20.7
2 11	10 14.25	+15 2.6	2.082	3.059	3.0	20.4
2 21	10 6.36	+15 54.1	2.070	3.056	1.7	20.3
3 2	9 58.53	+16 40.1	2.088	3.052	5.2	20.6
3 12	9 51.64	+17 16.5	2.133	3.048	8.7	20.8
3 22	9 46.37	+17 40.7	2.204	3.045	11.8	21.0

359044 2008 WG_{137} 2 19.3 28°.47 1°.8/20.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 31.57	+ 5 53.1	1.151	1.962	21.3	20.8
1 22	10 29.30	+ 5 53.1	1.089	1.973	17.0	20.6
2 1	10 23.67	+ 6 15.8	1.044	1.984	11.8	20.3
2 11	10 15.51	+ 6 57.7	1.021	1.996	6.1	20.0
2 21	10 6.10	+ 7 51.5	1.022	2.009	1.8	19.8
3 2	9 57.09	+ 8 48.0	1.047	2.024	6.7	20.1
3 12	9 49.99	+ 9 38.1	1.096	2.039	12.1	20.5
3 22	9 45.78	+10 15.4	1.166	2.055	16.7	20.8

268553 2006 BN_{21} 2 19.3 150°.63 0°.8/18.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 12	10 31.26	+10 24.3	2.099	2.882	13.9	20.8
1 22	10 27.64	+11 9.2	2.012	2.885	10.8	20.6
2 1	10 21.88	+12 6.9	1.949	2.887	7.2	20.4
2 11	10 14.51	+13 12.4	1.912	2.890	3.3	20.1
2 21	10 6.31	+14 19.8	1.905	2.892	1.3	20.0
3 2	9 58.20	+15 22.6	1.927	2.894	5.3	20.3
3 12	9 51.13	+16 15.4	1.977	2.896	9.1	20.5
3 22	9 45.81	+16 54.8	2.052	2.898	12.4	20.7

26923 1996 YZ 2 19.3 355°.56 1°.1/20.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 31.79	+ 7 35.3	1.351	2.155	19.1	18.8
1 22	10 29.22	+ 7 33.4	1.271	2.152	15.3	18.5
2 1	10 23.57	+ 7 49.6	1.210	2.149	10.6	18.2
2 11	10 15.49	+ 8 20.8	1.172	2.148	5.3	17.9
2 21	10 6.09	+ 9 1.4	1.159	2.147	1.3	17.7
3 2	9 56.83	+ 9 43.8	1.171	2.147	6.4	18.0
3 12	9 49.17	+10 20.6	1.208	2.147	11.6	18.3
3 22	9 44.14	+10 46.5	1.267	2.149	16.2	18.5

464609 2016 CV_{138} 2 19.3 46°.81 0°.1/19.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 38.85	+10 47.4	1.329	2.131	19.5	20.4
1 22	10 34.27	+10 41.4	1.277	2.158	15.2	20.2
2 1	10 26.56	+10 49.2	1.245	2.186	10.2	20.0
2 11	10 16.66	+11 6.1	1.236	2.214	4.7	19.8
2 21	10 5.91	+11 26.1	1.254	2.243	0.9	19.6
3 2	9 55.82	+11 43.3	1.299	2.272	6.3	20.0
3 12	9 47.72	+11 52.8	1.369	2.301	11.1	20.4
3 22	9 42.38	+11 52.5	1.461	2.330	15.2	20.7

427004 2014 QM_{432} 2 19.3 118°.70 0°.9/20.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 33.10	+ 5 50.6	1.934	2.703	15.4	21.6
1 22	10 29.16	+ 6 17.6	1.852	2.713	12.2	21.4
2 1	10 22.94	+ 7 0.7	1.793	2.723	8.4	21.2
2 11	10 15.01	+ 7 56.3	1.759	2.733	4.2	21.0
2 21	10 6.22	+ 8 58.9	1.754	2.742	1.0	20.8
3 2	9 57.61	+10 2.0	1.779	2.751	4.9	21.1
3 12	9 50.16	+10 59.3	1.831	2.760	9.0	21.3
3 22	9 44.64	+11 46.3	1.908	2.769	12.6	21.6

327311 2005 UZ_{14} 2 19.3 183°.57 2°.4/17.1 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 34.95	+16 18.5	2.263	3.051	12.9	22.8
1 22	10 30.39	+17 1.4	2.175	3.051	10.0	22.6
2 1	10 23.67	+17 51.6	2.111	3.051	6.7	22.3
2 11	10 15.34	+18 43.7	2.075	3.050	3.4	22.1
2 21	10 6.16	+19 31.8	2.069	3.049	2.8	22.1
3 2	9 57.09	+20 10.7	2.092	3.048	6.0	22.3
3 12	9 49.07	+20 36.7	2.144	3.046	9.3	22.5
3 22	9 42.81	+20 48.4	2.220	3.043	12.4	22.7

282955 2007 RE_{222} 2 19.3 144°.11 3°.4/23.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 29.47	− 2 22.4	2.475	3.197	13.6	21.3
1 22	10 25.89	− 2 15.5	2.379	3.202	11.2	21.1
2 1	10 20.53	− 1 51.6	2.306	3.206	8.4	20.9
2 11	10 13.85	− 1 11.7	2.258	3.210	5.5	20.7
2 21	10 6.47	− 0 18.4	2.239	3.214	3.5	20.6
3 2	9 59.17	+ 0 43.9	2.249	3.218	4.5	20.7
3 12	9 52.69	+ 1 49.7	2.288	3.221	7.2	20.9
3 22	9 47.64	+ 2 53.8	2.355	3.224	10.1	21.1

293509 2007 GB_{20} 2 19.3 116°.97 4°.7/16.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 40.39	+20 25.3	1.583	2.389	16.6	21.1
1 22	10 35.45	+21 18.3	1.517	2.401	13.0	20.9
2 1	10 27.43	+22 17.0	1.472	2.413	8.9	20.7
2 11	10 17.15	+23 12.4	1.453	2.424	5.4	20.5
2 21	10 5.81	+23 55.6	1.462	2.435	5.3	20.5
3 2	9 54.88	+24 20.1	1.498	2.446	8.7	20.7
3 12	9 45.72	+24 23.1	1.560	2.456	12.6	21.0
3 22	9 39.23	+24 6.0	1.644	2.466	16.1	21.2

127739 2003 FW_8 2 19.3 186°.89 0°.4/19.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 35.05	+ 7 21.1	1.719	2.499	16.6	21.3
1 22	10 31.12	+ 7 48.1	1.631	2.499	13.2	21.0
2 1	10 24.53	+ 8 32.3	1.564	2.498	9.0	20.8
2 11	10 15.86	+ 9 29.6	1.522	2.497	4.3	20.5
2 21	10 6.06	+10 33.8	1.508	2.496	0.8	20.2
3 2	9 56.33	+11 37.3	1.522	2.494	5.7	20.6
3 12	9 47.92	+12 33.0	1.564	2.492	10.3	20.8
3 22	9 41.72	+13 16.2	1.630	2.490	14.4	21.1

31413 1999 AR_{21} 2 19.3 340°.70 0°.8/19.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 33.31	+ 8 12.4	1.342	2.145	19.2	18.7
1 22	10 30.50	+ 8 14.9	1.260	2.141	15.3	18.4
2 1	10 24.50	+ 8 35.3	1.197	2.137	10.6	18.1
2 11	10 15.97	+ 9 10.3	1.157	2.133	5.2	17.8
2 21	10 6.03	+ 9 53.7	1.141	2.130	1.0	17.5
3 2	9 56.19	+10 37.7	1.152	2.127	6.6	17.8
3 12	9 47.99	+11 14.7	1.188	2.125	11.9	18.1
3 22	9 42.50	+11 39.7	1.245	2.123	16.6	18.4

2931 Mayakovsky 2 19.3 193°.61 0°.9/18.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 12	10 32.45	+12 2.6	2.257	3.038	13.1	16.7
1 22	10 28.43	+12 30.1	2.166	3.038	10.2	16.5
2 1	10 22.35	+13 7.3	2.098	3.037	6.8	16.3
2 11	10 14.73	+13 50.1	2.058	3.036	3.1	16.1
2 21	10 6.30	+14 33.6	2.047	3.034	1.3	16.0
3 2	9 57.96	+15 12.8	2.066	3.033	5.0	16.2
3 12	9 50.61	+15 43.5	2.113	3.031	8.6	16.4
3 22	9 44.93	+16 3.3	2.185	3.029	11.8	16.6

419694 2010 UC_{41} 2 19.3 82°.94 6°.1/23.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 33.99	− 4 46.4	1.817	2.542	17.8	21.0
1 22	10 30.08	− 5 28.1	1.732	2.549	15.0	20.8
2 1	10 23.69	− 5 48.7	1.666	2.556	11.8	20.6
2 11	10 15.43	− 5 46.9	1.624	2.564	8.5	20.4
2 21	10 6.17	− 5 23.7	1.607	2.571	6.3	20.3
3 2	9 57.02	− 4 42.7	1.618	2.578	6.9	20.3
3 12	9 49.10	− 3 50.6	1.655	2.585	9.7	20.5
3 22	9 43.22	− 2 54.5	1.717	2.592	13.0	20.7

120204 2004 EY_{13} 2 19.3 264°.42 0°.6/19.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 28.81	+ 5 59.7	2.560	3.321	12.3	20.4
1 22	10 25.48	+ 6 37.7	2.447	3.304	9.8	20.2
2 1	10 20.35	+ 7 29.5	2.358	3.287	6.7	20.0
2 11	10 13.82	+ 8 32.4	2.296	3.270	3.3	19.7
2 21	10 6.50	+ 9 42.0	2.264	3.252	0.7	19.5
3 2	9 59.10	+10 53.1	2.262	3.234	4.1	19.7
3 12	9 52.42	+12 0.2	2.290	3.216	7.6	19.9
3 22	9 47.11	+12 58.8	2.345	3.198	10.8	20.1

305730 2009 CW_{38} 2 19.3 25°.20 1°.1/19.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 32.42	+ 7 35.9	1.227	2.036	20.3	20.2
1 22	10 29.84	+ 7 36.0	1.160	2.044	16.1	19.9
2 1	10 24.00	+ 7 55.8	1.111	2.052	11.1	19.7
2 11	10 15.68	+ 8 31.2	1.085	2.062	5.5	19.4
2 21	10 6.13	+ 9 15.7	1.084	2.072	1.2	19.1
3 2	9 56.91	+10 0.9	1.107	2.083	6.6	19.5
3 12	9 49.52	+10 39.0	1.155	2.095	11.9	19.8
3 22	9 44.94	+11 4.8	1.224	2.107	16.5	20.1

433575 2013 YY_{28} 2 19.3 67°.20 4°.3/14.4 15

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 29.82	+20 55.3	2.305	3.110	12.1	21.2
1 22	10 26.46	+22 20.3	2.229	3.113	9.4	21.0
2 1	10 21.06	+23 50.6	2.177	3.117	6.5	20.9
2 11	10 14.15	+25 19.1	2.154	3.120	4.5	20.7
2 21	10 6.44	+26 38.3	2.160	3.123	4.9	20.8
3 2	9 58.83	+27 42.1	2.196	3.127	7.4	20.9
3 12	9 52.21	+28 26.8	2.258	3.130	10.2	21.1
3 22	9 47.24	+28 51.7	2.343	3.134	12.8	21.3

9391 Slee 2 19.3 234°.46 1°.2/17.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 31.96	+11 52.0	2.650	3.423	11.6	19.4
1 22	10 27.89	+12 45.4	2.539	3.407	9.0	19.2
2 1	10 21.95	+13 49.4	2.453	3.390	6.0	19.0
2 11	10 14.58	+14 59.9	2.396	3.373	2.8	18.7
2 21	10 6.35	+16 11.5	2.369	3.355	1.6	18.6
3 2	9 58.06	+17 18.6	2.374	3.336	4.9	18.8
3 12	9 50.49	+18 16.5	2.409	3.317	8.2	19.0
3 22	9 44.33	+19 2.0	2.469	3.297	11.2	19.1

501107 2013 TF_2 2 19.3 218°.65 0°.2/19.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 37.77	+11 30.8	2.344	3.110	13.1	21.9
1 22	10 32.53	+11 31.4	2.240	3.102	10.3	21.7
2 1	10 25.12	+11 39.9	2.160	3.094	7.0	21.4
2 11	10 16.05	+11 53.5	2.108	3.084	3.3	21.2
2 21	10 6.07	+12 8.6	2.087	3.075	0.8	21.0
3 2	9 56.12	+12 21.5	2.096	3.065	4.7	21.2
3 12	9 47.16	+12 29.0	2.134	3.054	8.4	21.5
3 22	9 39.92	+12 29.0	2.199	3.043	11.8	21.6

393359 1998 ME_3 2 19.3 255°.48 1°.1/18.4 14 C

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 38.71	+10 38.1	2.137	2.905	14.2	24.0
1 22	10 33.89	+11 27.2	2.010	2.873	11.3	23.7
2 1	10 26.49	+12 31.4	1.906	2.841	7.7	23.4
2 11	10 16.90	+13 46.4	1.830	2.806	3.5	23.1
2 21	10 5.85	+15 5.6	1.784	2.771	1.7	22.9
3 2	9 54.43	+16 21.4	1.769	2.733	6.0	23.1
3 12	9 43.84	+17 26.7	1.784	2.694	10.4	23.3
3 22	9 35.11	+18 17.0	1.825	2.654	14.4	23.4

111659 2002 AU_{201} 2 19.3 133°.07 4°.6/15.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 38.10	+20 8.2	1.736	2.540	15.5	20.3
1 22	10 33.46	+21 15.1	1.667	2.551	12.0	20.1
2 1	10 26.03	+22 28.4	1.620	2.560	8.3	19.9
2 11	10 16.52	+23 39.2	1.600	2.570	5.1	19.7
2 21	10 5.98	+24 38.7	1.608	2.579	5.3	19.7
3 2	9 55.74	+25 19.8	1.644	2.587	8.5	19.9
3 12	9 47.04	+25 39.3	1.706	2.595	12.1	20.2
3 22	9 40.74	+25 37.5	1.790	2.603	15.3	20.4

345081 2005 JH_{182} 2 19.3 177°.73 6°.2/11.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 12	10 33.97	+31 23.8	2.696	3.491	10.8	21.5
1 22	10 29.51	+32 42.7	2.625	3.492	8.8	21.4
2 1	10 23.02	+33 58.9	2.579	3.493	7.0	21.3
2 11	10 15.03	+35 5.4	2.562	3.494	6.2	21.2
2 21	10 6.28	+35 56.3	2.573	3.494	6.9	21.3
3 2	9 57.65	+36 27.5	2.612	3.494	8.6	21.4
3 12	9 50.02	+36 37.6	2.676	3.493	10.6	21.5
3 22	9 44.06	+36 27.8	2.763	3.493	12.5	21.7

223660 2004 PW_{28} 2 19.3 121°.91 2°.0/21.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 34.52	+ 3 50.6	2.245	2.993	14.1	20.5
1 22	10 29.90	+ 3 49.0	2.161	3.007	11.3	20.4
2 1	10 23.25	+ 4 1.1	2.100	3.019	8.0	20.2
2 11	10 15.13	+ 4 24.9	2.065	3.032	4.5	20.0
2 21	10 6.28	+ 4 57.4	2.059	3.044	2.0	19.8
3 2	9 57.59	+ 5 34.2	2.083	3.056	4.4	20.0
3 12	9 49.95	+ 6 10.6	2.137	3.067	7.8	20.2
3 22	9 44.00	+ 6 42.8	2.216	3.078	11.0	20.5

362086 2009 BY_{130} 2 19.3 70°.44 2°.7/17.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 36.28	+14 11.5	1.450	2.258	17.8	21.1
1 22	10 32.27	+15 7.2	1.392	2.279	13.7	20.9
2 1	10 25.29	+16 15.2	1.356	2.301	9.1	20.7
2 11	10 16.16	+17 27.3	1.345	2.322	4.4	20.5
2 21	10 6.08	+18 33.9	1.360	2.344	3.3	20.4
3 2	9 56.47	+19 26.9	1.403	2.365	7.5	20.7
3 12	9 48.62	+20 1.1	1.472	2.386	11.9	21.0
3 22	9 43.35	+20 15.5	1.562	2.407	15.6	21.3

261577 2005 WT_{203} 2 19.3 83°.64 10°.3/26.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 37.14	−14 1.2	1.949	2.606	18.7	20.1
1 22	10 32.58	−15 40.0	1.861	2.611	16.6	19.9
2 1	10 25.45	−16 57.1	1.790	2.616	14.3	19.8
2 11	10 16.31	−17 47.4	1.742	2.620	12.1	19.6
2 21	10 6.02	−18 7.8	1.717	2.625	10.6	19.5
3 2	9 55.71	−17 58.5	1.718	2.630	10.5	19.5
3 12	9 46.55	−17 24.2	1.744	2.635	11.8	19.6
3 22	9 39.46	−16 32.6	1.793	2.640	13.9	19.8

303394 2004 XV_{81} 2 19.3 115°.70 3°.7/16.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 37.05	+17 18.3	1.794	2.593	15.3	20.8
1 22	10 32.46	+18 32.6	1.728	2.611	11.8	20.6
2 1	10 25.25	+19 55.5	1.686	2.628	7.9	20.4
2 11	10 16.12	+21 18.6	1.671	2.645	4.4	20.2
2 21	10 6.09	+22 33.0	1.685	2.661	4.4	20.2
3 2	9 56.37	+23 31.3	1.728	2.676	7.7	20.5
3 12	9 48.10	+24 9.4	1.797	2.691	11.3	20.7
3 22	9 42.09	+24 26.7	1.889	2.706	14.5	21.0

18342 1989 ST_{9} 2 19.3 168°.56 0°.9/18.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 37.26	+11 30.6	2.108	2.882	14.1	20.6
1 22	10 32.30	+12 3.7	2.021	2.888	11.0	20.4
2 1	10 25.02	+12 47.8	1.956	2.893	7.4	20.2
2 11	10 16.01	+13 38.2	1.920	2.897	3.4	20.0
2 21	10 6.11	+14 29.3	1.912	2.900	1.4	19.8
3 2	9 56.33	+15 15.3	1.936	2.902	5.4	20.1
3 12	9 47.70	+15 51.5	1.988	2.903	9.2	20.3
3 22	9 40.98	+16 15.4	2.065	2.904	12.6	20.5

370710 2004 PG_{97} 2 19.3 152°.20 1°.4/18.1 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 37.53	+14 56.9	2.408	3.183	12.6	21.5
1 22	10 32.14	+15 14.0	2.323	3.191	9.8	21.3
2 1	10 24.71	+15 37.0	2.262	3.199	6.5	21.1
2 11	10 15.79	+16 2.2	2.230	3.206	3.0	20.9
2 21	10 6.16	+16 25.1	2.228	3.213	1.8	20.8
3 2	9 56.71	+16 41.8	2.257	3.219	5.0	21.0
3 12	9 48.33	+16 49.8	2.315	3.225	8.4	21.2
3 22	9 41.66	+16 47.7	2.399	3.230	11.3	21.4

384985 2012 TE_{188} 2 19.3 164°.42 2°.2/21.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 31.78	+ 2 15.2	2.758	3.491	12.1	21.6
1 22	10 27.47	+ 2 12.5	2.661	3.495	9.8	21.5
2 1	10 21.49	+ 2 21.8	2.587	3.499	7.1	21.3
2 11	10 14.29	+ 2 41.9	2.540	3.502	4.2	21.1
2 21	10 6.46	+ 3 10.5	2.523	3.505	2.2	21.0
3 2	9 58.69	+ 3 44.4	2.537	3.508	3.8	21.1
3 12	9 51.70	+ 4 19.7	2.581	3.510	6.7	21.3
3 22	9 46.03	+ 4 52.9	2.651	3.512	9.4	21.5

360412 2002 GU_{84} 2 19.3 5°.04 0°.4/19.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 26.45	+ 7 12.9	1.173	1.995	20.3	19.7
1 22	10 25.42	+ 8 2.6	1.102	1.995	16.0	19.4
2 1	10 21.21	+ 9 18.2	1.049	1.995	10.9	19.1
2 11	10 14.49	+10 53.2	1.018	1.997	5.0	18.8
2 21	10 6.40	+12 36.8	1.011	2.000	1.3	18.5
3 2	9 58.50	+14 15.8	1.030	2.004	7.3	18.9
3 12	9 52.30	+15 38.6	1.071	2.009	12.9	19.2
3 22	9 48.86	+16 38.4	1.133	2.015	17.7	19.5

64896 2001 YZ_{80} 2 19.3 143°.42 0°.6/19.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 12	10 37.52	+ 7 32.3	1.873	2.642	15.8	20.3
1 22	10 32.70	+ 7 49.0	1.792	2.653	12.5	20.1
2 1	10 25.38	+ 8 20.2	1.732	2.663	8.6	19.9
2 11	10 16.19	+ 9 2.2	1.698	2.673	4.2	19.7
2 21	10 6.08	+ 9 49.7	1.693	2.681	0.8	19.4
3 2	9 56.16	+10 36.8	1.718	2.690	5.2	19.8
3 12	9 47.54	+11 17.7	1.771	2.697	9.4	20.0
3 22	9 41.03	+11 48.8	1.848	2.704	13.1	20.3

402098 2003 WK_{3} 2 19.3 95°.84 1°.9/17.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 36.73	+13 13.2	1.744	2.536	15.9	21.3
1 22	10 32.16	+14 0.5	1.679	2.557	12.3	21.1
2 1	10 25.01	+14 58.9	1.637	2.578	8.1	20.9
2 11	10 15.99	+16 2.1	1.620	2.598	3.8	20.7
2 21	10 6.14	+17 2.3	1.633	2.618	2.4	20.6
3 2	9 56.64	+17 52.8	1.674	2.637	6.4	20.9
3 12	9 48.62	+18 28.7	1.742	2.656	10.4	21.2
3 22	9 42.83	+18 48.3	1.834	2.674	13.9	21.4

333415 2002 XB_{68} 2 19.3 101°.02 6°.3/27.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 31.42	−13 29.0	2.745	3.387	14.0	21.5
1 22	10 27.15	−13 49.4	2.664	3.411	12.2	21.4
2 1	10 21.24	−13 50.1	2.603	3.435	10.1	21.3
2 11	10 14.15	−13 30.2	2.565	3.458	8.1	21.2
2 21	10 6.51	−12 50.7	2.553	3.481	6.6	21.1
3 2	9 59.02	−11 54.4	2.570	3.503	6.4	21.2
3 12	9 52.36	−10 46.4	2.616	3.525	7.6	21.3
3 22	9 47.07	− 9 32.5	2.688	3.546	9.4	21.4

462032 2007 BT_{100} 2 19.3 280°.65 1°.2/18.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 31.55	+11 6.9	1.848	2.641	15.1	21.3
1 22	10 28.38	+11 48.3	1.748	2.626	11.9	21.0
2 1	10 22.72	+12 44.2	1.671	2.612	8.0	20.8
2 11	10 15.08	+13 49.7	1.619	2.597	3.7	20.5
2 21	10 6.29	+14 58.1	1.596	2.583	1.7	20.3
3 2	9 57.44	+16 1.7	1.601	2.568	6.1	20.5
3 12	9 49.70	+16 53.9	1.633	2.554	10.5	20.8
3 22	9 43.97	+17 30.7	1.689	2.539	14.4	21.0

472018 2013 XD_{13} 2 19.3 335°.29 0°.7/19.9 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 29.72	+ 8 11.3	1.816	2.605	15.5	21.1
1 22	10 26.90	+ 8 16.1	1.720	2.593	12.4	20.9
2 1	10 21.67	+ 8 34.7	1.646	2.582	8.5	20.6
2 11	10 14.57	+ 9 4.5	1.596	2.572	4.2	20.3
2 21	10 6.41	+ 9 41.0	1.574	2.562	0.9	20.1
3 2	9 58.26	+10 18.5	1.579	2.553	5.3	20.4
3 12	9 51.23	+10 51.4	1.611	2.544	9.6	20.6
3 22	9 46.17	+11 15.7	1.666	2.536	13.6	20.8

189466 1999 RG_{202} 2 19.3 106°.58 3°.7/22.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 33.00	− 1 32.4	2.219	2.946	14.9	20.1
1 22	10 28.76	− 1 42.4	2.135	2.961	12.2	19.9
2 1	10 22.52	− 1 35.3	2.073	2.975	9.2	19.8
2 11	10 14.81	− 1 11.8	2.036	2.989	6.0	19.6
2 21	10 6.38	− 0 34.5	2.028	3.003	3.8	19.5
3 2	9 58.11	+ 0 12.5	2.049	3.016	4.9	19.6
3 12	9 50.85	+ 1 3.7	2.098	3.030	7.9	19.8
3 22	9 45.27	+ 1 53.7	2.173	3.042	10.9	20.0

466299 2013 QN_{14} 2 19.3 148°.03 0°.2/19.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 34.69	+10 41.2	2.078	2.856	14.2	22.1
1 22	10 30.31	+10 54.4	1.991	2.859	11.1	21.9
2 1	10 23.69	+11 18.1	1.927	2.863	7.5	21.6
2 11	10 15.41	+11 48.7	1.889	2.866	3.5	21.4
2 21	10 6.27	+12 21.5	1.880	2.869	0.8	21.2
3 2	9 57.26	+12 51.7	1.902	2.871	5.0	21.5
3 12	9 49.38	+13 15.2	1.951	2.874	8.9	21.7
3 22	9 43.36	+13 29.2	2.025	2.876	12.3	22.0

298720 2004 FY_{69} 2 19.3 216°.11 4°.5/13.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 35.25	+27 59.1	3.078	3.864	9.8	21.5
1 22	10 30.17	+28 44.9	2.988	3.856	7.8	21.4
2 1	10 23.32	+29 29.4	2.923	3.847	5.9	21.2
2 11	10 15.16	+30 7.6	2.888	3.838	4.6	21.1
2 21	10 6.32	+30 34.9	2.883	3.828	5.0	21.1
3 2	9 57.57	+30 48.0	2.907	3.818	6.7	21.2
3 12	9 49.66	+30 45.5	2.959	3.807	8.8	21.4
3 22	9 43.18	+30 28.0	3.035	3.796	10.9	21.5

458406 2010 XH_{69} 2 19.3 118°.12 3°.0/21.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 32.72	+ 0 38.1	1.943	2.692	16.0	21.5
1 22	10 28.90	+ 0 42.9	1.858	2.700	13.1	21.3
2 1	10 22.81	+ 1 6.5	1.794	2.709	9.5	21.1
2 11	10 15.02	+ 1 47.4	1.754	2.717	5.7	20.8
2 21	10 6.35	+ 2 41.8	1.743	2.725	3.1	20.7
3 2	9 57.82	+ 3 43.9	1.760	2.732	5.0	20.8
3 12	9 50.42	+ 4 46.9	1.805	2.740	8.7	21.1
3 22	9 44.90	+ 5 44.9	1.876	2.747	12.2	21.3

283060 2008 QF_3 2 19.3 206°.48 0°.7/19.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 12	10 35.17	+ 5 46.2	1.794	2.565	16.4	21.5
1 22	10 31.21	+ 6 22.6	1.698	2.560	13.1	21.3
2 1	10 24.64	+ 7 18.1	1.623	2.554	9.0	21.0
2 11	10 15.98	+ 8 28.9	1.574	2.548	4.5	20.7
2 21	10 6.14	+ 9 48.8	1.553	2.541	0.9	20.4
3 2	9 56.28	+11 9.4	1.561	2.533	5.6	20.7
3 12	9 47.61	+12 22.9	1.597	2.525	10.2	21.0
3 22	9 41.08	+13 23.4	1.658	2.515	14.3	21.2

236736 2007 JO_9 2 19.3 223°.20 3°.6/16.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 35.70	+16 18.1	1.721	2.523	15.7	20.9
1 22	10 31.86	+17 27.8	1.632	2.516	12.2	20.7
2 1	10 25.20	+18 49.8	1.565	2.508	8.3	20.4
2 11	10 16.29	+20 16.1	1.524	2.499	4.5	20.2
2 21	10 6.09	+21 37.2	1.512	2.490	4.3	20.2
3 2	9 55.90	+22 44.0	1.528	2.480	8.1	20.4
3 12	9 47.04	+23 30.4	1.570	2.470	12.3	20.6
3 22	9 40.51	+23 54.5	1.634	2.460	16.0	20.8

31657 1999 HN_8 2 19.3 298°.33 5°.4/22.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 32.85	− 1 25.2	1.513	2.272	19.4	17.6
1 22	10 29.90	− 1 58.2	1.419	2.263	16.2	17.3
2 1	10 24.04	− 2 8.9	1.343	2.254	12.4	17.0
2 11	10 15.81	− 1 55.9	1.290	2.245	8.3	16.8
2 21	10 6.18	− 1 20.8	1.261	2.237	5.5	16.6
3 2	9 56.48	− 0 28.5	1.258	2.228	7.0	16.7
3 12	9 48.12	+ 0 32.7	1.281	2.220	11.1	16.9
3 22	9 42.17	+ 1 34.3	1.326	2.212	15.3	17.1

492650 2014 OP_{373} 2 19.3 147°.26 0°.8/20.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 35.70	+ 6 31.7	2.081	2.843	14.7	22.9
1 22	10 31.05	+ 6 56.0	1.997	2.854	11.6	22.7
2 1	10 24.17	+ 7 34.6	1.935	2.864	8.0	22.5
2 11	10 15.63	+ 8 24.2	1.899	2.873	3.9	22.2
2 21	10 6.26	+ 9 19.6	1.894	2.882	0.9	22.0
3 2	9 57.04	+10 15.1	1.918	2.890	4.7	22.3
3 12	9 48.95	+11 5.1	1.971	2.897	8.7	22.6
3 22	9 42.71	+11 45.7	2.050	2.903	12.1	22.8

202473 2006 AQ_{55} 2 19.3 135°.86 3°.5/16.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 36.78	+16 9.1	1.670	2.472	16.1	20.5
1 22	10 32.54	+17 20.0	1.598	2.482	12.5	20.2
2 1	10 25.50	+18 42.0	1.549	2.491	8.3	20.0
2 11	10 16.34	+20 6.5	1.525	2.500	4.5	19.8
2 21	10 6.11	+21 24.0	1.530	2.509	4.2	19.8
3 2	9 56.12	+22 26.0	1.564	2.517	7.9	20.0
3 12	9 47.64	+23 7.5	1.623	2.524	11.9	20.3
3 22	9 41.56	+23 27.4	1.705	2.531	15.4	20.5

299312 2005 QN_{84} 2 19.3 147°.09 0°.9/18.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 32.11	+13 19.8	2.535	3.314	11.9	21.0
1 22	10 27.92	+13 37.2	2.445	3.315	9.2	20.9
2 1	10 21.89	+14 1.7	2.379	3.317	6.2	20.7
2 11	10 14.53	+14 29.7	2.341	3.318	2.8	20.4
2 21	10 6.48	+14 57.5	2.332	3.319	1.3	20.3
3 2	9 58.55	+15 21.0	2.354	3.320	4.6	20.6
3 12	9 51.50	+15 37.3	2.405	3.321	7.8	20.8
3 22	9 45.95	+15 44.5	2.482	3.322	10.7	21.0

505234 2012 UO_{44} 2 19.3 176°.75 4°.7/24.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 30.38	− 5 59.0	2.639	3.335	13.4	21.9
1 22	10 26.55	− 6 18.8	2.539	3.336	11.4	21.7
2 1	10 20.98	− 6 22.1	2.459	3.337	9.0	21.6
2 11	10 14.13	− 6 8.6	2.405	3.337	6.5	21.4
2 21	10 6.58	− 5 39.4	2.378	3.338	4.9	21.3
3 2	9 59.05	− 4 57.4	2.381	3.338	5.3	21.3
3 12	9 52.29	− 4 7.1	2.412	3.337	7.3	21.5
3 22	9 46.89	− 3 13.3	2.470	3.337	9.8	21.6

385257 2001 OS_{33} 2 19.3 209°.30 3°.4/15.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 31.54	+19 38.2	2.449	3.245	11.7	20.9
1 22	10 27.69	+20 40.0	2.362	3.242	9.1	20.7
2 1	10 21.88	+21 47.3	2.300	3.239	6.2	20.5
2 11	10 14.58	+22 54.0	2.265	3.236	3.8	20.4
2 21	10 6.50	+23 54.1	2.261	3.232	4.0	20.4
3 2	9 58.48	+24 42.2	2.286	3.228	6.5	20.5
3 12	9 51.38	+25 14.8	2.339	3.224	9.4	20.7
3 22	9 45.86	+25 31.0	2.415	3.219	12.1	20.9

63514 2001 OY_{99} 2 19.3 152°.69 0°.9/20.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 33.26	+ 7 50.9	2.275	3.041	13.5	19.8
1 22	10 29.03	+ 7 48.5	2.182	3.041	10.7	19.6
2 1	10 22.76	+ 7 56.9	2.112	3.042	7.4	19.4
2 11	10 14.98	+ 8 13.6	2.069	3.042	3.7	19.1
2 21	10 6.42	+ 8 35.6	2.055	3.043	1.0	18.9
3 2	9 57.95	+ 8 58.8	2.071	3.043	4.4	19.2
3 12	9 50.45	+ 9 19.4	2.115	3.044	8.0	19.4
3 22	9 44.61	+ 9 34.5	2.185	3.044	11.2	19.6

98565 2000 WX_{17} 2 19.3 109°.55 0°.6/19.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 12	10 36.78	+ 6 51.5	1.831	2.600	16.1	20.8
1 22	10 32.07	+ 7 20.1	1.759	2.621	12.7	20.6
2 1	10 24.92	+ 8 4.5	1.710	2.642	8.7	20.4
2 11	10 15.99	+ 9 0.2	1.687	2.661	4.2	20.1
2 21	10 6.23	+10 1.1	1.692	2.681	0.8	19.9
3 2	9 56.77	+11 0.6	1.727	2.699	5.2	20.3
3 12	9 48.67	+11 52.6	1.790	2.717	9.3	20.6
3 22	9 42.67	+12 33.0	1.878	2.734	12.9	20.8

240067 2001 XH_{225} 2 19.3 168°.47 6°.3/11.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 34.19	+31 54.1	2.677	3.472	10.9	20.5
1 22	10 29.71	+33 8.5	2.607	3.474	8.9	20.4
2 1	10 23.18	+34 19.7	2.563	3.476	7.1	20.3
2 11	10 15.16	+35 20.7	2.547	3.477	6.3	20.2
2 21	10 6.39	+36 5.8	2.559	3.479	7.0	20.3
3 2	9 57.77	+36 31.1	2.599	3.480	8.6	20.4
3 12	9 50.18	+36 35.4	2.664	3.481	10.6	20.5
3 22	9 44.28	+36 20.1	2.750	3.482	12.6	20.7

306834 2001 RZ_{150} 2 19.4 138°.36 2°.9/17.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 40.07	+16 36.2	1.808	2.599	15.5	21.6
1 22	10 34.83	+17 21.0	1.735	2.612	12.0	21.4
2 1	10 26.88	+18 13.8	1.685	2.625	8.0	21.2
2 11	10 16.94	+19 7.9	1.661	2.636	4.1	21.0
2 21	10 6.05	+19 55.8	1.666	2.647	3.4	21.0
3 2	9 55.45	+20 31.2	1.701	2.657	7.0	21.2
3 12	9 46.35	+20 50.3	1.762	2.666	10.9	21.4
3 22	9 39.57	+20 52.6	1.847	2.675	14.3	21.7

175927 2000 DW_{54} 2 19.4 296°.50 0°.8/18.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 34.46	+11 58.6	1.668	2.464	16.4	20.4
1 22	10 30.92	+12 11.7	1.573	2.452	12.9	20.2
2 1	10 24.58	+12 37.0	1.500	2.441	8.7	19.9
2 11	10 16.03	+13 10.3	1.451	2.429	4.0	19.6
2 21	10 6.20	+13 45.5	1.430	2.418	1.4	19.4
3 2	9 56.38	+14 16.4	1.436	2.406	6.3	19.7
3 12	9 47.88	+14 37.6	1.469	2.395	11.0	19.9
3 22	9 41.68	+14 45.9	1.525	2.384	15.2	20.1

347457 2012 TU_{262} 2 19.4 145°.52 0°.0/19.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 31.11	+ 9 16.2	2.779	3.542	11.3	22.6
1 22	10 26.94	+ 9 42.9	2.690	3.551	8.9	22.4
2 1	10 21.15	+10 18.9	2.626	3.559	6.0	22.2
2 11	10 14.17	+11 1.1	2.590	3.566	2.8	22.0
2 21	10 6.61	+11 45.7	2.585	3.573	0.6	21.8
3 2	9 59.14	+12 28.7	2.611	3.580	3.9	22.1
3 12	9 52.47	+13 6.4	2.666	3.587	6.9	22.3
3 22	9 47.11	+13 36.3	2.748	3.593	9.6	22.5

29310 1993 VA_5 2 19.4 42°.25 5°.4/15.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 35.78	+20 47.9	1.347	2.173	18.0	17.7
1 22	10 32.13	+21 51.6	1.301	2.196	13.9	17.5
2 1	10 25.30	+23 0.5	1.275	2.220	9.5	17.3
2 11	10 16.22	+24 4.0	1.273	2.244	6.0	17.1
2 21	10 6.23	+24 52.3	1.297	2.269	6.1	17.2
3 2	9 56.86	+25 18.7	1.347	2.294	9.5	17.5
3 12	9 49.46	+25 21.1	1.420	2.320	13.3	17.8
3 22	9 44.81	+25 1.5	1.514	2.347	16.7	18.0

59677 1999 JH_{101} 2 19.4 283°.50 0°.4/19.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 29.75	+ 5 53.2	1.887	2.665	15.4	19.3
1 22	10 26.83	+ 6 39.7	1.793	2.660	12.2	19.0
2 1	10 21.59	+ 7 44.9	1.721	2.655	8.4	18.8
2 11	10 14.56	+ 9 4.7	1.676	2.651	4.1	18.5
2 21	10 6.52	+10 32.5	1.658	2.646	0.7	18.2
3 2	9 58.51	+12 0.4	1.670	2.642	5.2	18.6
3 12	9 51.57	+13 20.4	1.709	2.638	9.5	18.8
3 22	9 46.50	+14 26.9	1.772	2.633	13.3	19.0

82036 2000 SF_{162} 2 19.4 235°.18 1°.7/21.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 29.70	+ 3 31.7	2.620	3.367	12.4	20.4
1 22	10 26.06	+ 3 42.9	2.515	3.361	9.9	20.2
2 1	10 20.70	+ 4 7.1	2.434	3.354	7.1	20.0
2 11	10 14.03	+ 4 42.4	2.380	3.347	4.0	19.8
2 21	10 6.65	+ 5 25.9	2.355	3.340	1.7	19.6
3 2	9 59.27	+ 6 13.6	2.360	3.333	3.9	19.7
3 12	9 52.65	+ 7 1.0	2.395	3.326	7.1	19.9
3 22	9 47.37	+ 7 44.1	2.456	3.318	10.0	20.1

466339 2013 RS_{30} 2 19.4 150°.38 1°.2/18.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 34.72	+13 24.6	2.142	2.926	13.6	21.2
1 22	10 30.31	+13 47.6	2.057	2.930	10.6	21.0
2 1	10 23.69	+14 19.1	1.994	2.933	7.1	20.8
2 11	10 15.44	+14 55.0	1.959	2.937	3.3	20.5
2 21	10 6.38	+15 30.0	1.953	2.940	1.7	20.4
3 2	9 57.45	+15 59.4	1.977	2.942	5.3	20.7
3 12	9 49.63	+16 19.4	2.029	2.945	9.0	20.9
3 22	9 43.63	+16 28.0	2.105	2.947	12.3	21.1

418311 2008 FN_{70} 2 19.4 31°.47 5°.5/23.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 12	10 30.58	− 4 19.1	1.700	2.440	18.3	21.0
1 22	10 27.65	− 4 36.6	1.615	2.444	15.3	20.8
2 1	10 22.22	− 4 30.2	1.548	2.448	11.9	20.6
2 11	10 14.87	− 3 59.2	1.504	2.452	8.2	20.4
2 21	10 6.48	− 3 6.1	1.486	2.456	5.7	20.3
3 2	9 58.19	− 1 56.6	1.494	2.461	6.5	20.3
3 12	9 51.13	− 0 38.9	1.529	2.466	9.7	20.5
3 22	9 46.15	+ 0 38.3	1.587	2.471	13.3	20.7

206889 2004 GT_{32} 2 19.4 342°.42 2°.7/17.3 18

1 12	10 32.10	+17 18.7	1.881	2.687	14.4	19.9
1 22	10 28.70	+17 43.9	1.794	2.679	11.2	19.7
2 1	10 22.85	+18 15.8	1.728	2.672	7.6	19.5
2 11	10 15.14	+18 49.1	1.689	2.665	3.9	19.2
2 21	10 6.43	+19 17.8	1.678	2.659	3.2	19.2
3 2	9 57.84	+19 36.5	1.694	2.654	6.7	19.4
3 12	9 50.47	+19 41.5	1.737	2.649	10.5	19.6
3 22	9 45.12	+19 32.0	1.803	2.645	14.0	19.8

435913 2009 BR_{73} 2 19.4 356°.69 6°.8/13.6 17

1 12	10 31.69	+26 31.3	1.754	2.576	14.6	20.4
1 22	10 28.69	+27 41.4	1.683	2.572	11.6	20.2
2 1	10 22.98	+28 52.3	1.635	2.570	8.7	20.0
2 11	10 15.22	+29 54.9	1.611	2.568	6.8	19.9
2 21	10 6.42	+30 40.5	1.615	2.567	7.5	19.9
3 2	9 57.84	+31 2.9	1.644	2.567	10.1	20.1
3 12	9 50.70	+31 0.1	1.697	2.567	13.2	20.3
3 22	9 45.85	+30 33.7	1.770	2.568	16.1	20.5

454133 2013 CC_{188} 2 19.4 15°.66 1°.3/18.6 17

1 12	10 31.40	+10 52.7	1.204	2.026	19.9	21.5
1 22	10 29.26	+11 25.9	1.135	2.028	15.6	21.3
2 1	10 23.79	+12 18.1	1.085	2.032	10.5	21.0
2 11	10 15.73	+13 22.4	1.057	2.036	4.8	20.7
2 21	10 6.32	+14 29.3	1.054	2.042	2.0	20.5
3 2	9 57.18	+15 28.4	1.076	2.048	7.6	20.9
3 12	9 49.87	+16 11.6	1.122	2.054	12.9	21.2
3 22	9 45.43	+16 35.2	1.188	2.062	17.6	21.5

70143 1999 NO_{19} 2 19.4 213°.53 0°.7/19.9 18

1 12	10 35.24	+ 6 40.4	2.088	2.851	14.6	20.4
1 22	10 30.91	+ 7 2.8	1.986	2.844	11.7	20.2
2 1	10 24.26	+ 7 40.0	1.906	2.835	8.1	19.9
2 11	10 15.80	+ 8 28.9	1.853	2.826	4.0	19.7
2 21	10 6.31	+ 9 24.8	1.828	2.817	0.9	19.4
3 2	9 56.78	+10 21.8	1.834	2.806	4.9	19.7
3 12	9 48.27	+11 14.0	1.869	2.795	9.0	19.9
3 22	9 41.60	+11 56.9	1.929	2.783	12.7	20.1

322910 2002 AF_{147} 2 19.4 179°.38 1°.6/17.9 17

1 12	10 33.31	+13 14.0	2.205	2.990	13.3	21.4
1 22	10 29.21	+13 58.0	2.117	2.991	10.3	21.2
2 1	10 22.97	+14 52.0	2.052	2.991	6.9	21.0
2 11	10 15.14	+15 50.9	2.014	2.992	3.2	20.7
2 21	10 6.45	+16 48.9	2.007	2.992	2.0	20.6
3 2	9 57.86	+17 40.1	2.029	2.991	5.5	20.9
3 12	9 50.29	+18 20.0	2.079	2.990	9.1	21.1
3 22	9 44.45	+18 46.1	2.154	2.989	12.3	21.3

155815 2000 WU_{41} 2 19.4 59°.37 4°.2/22.9 18

1 12	10 32.13	− 1 55.5	1.791	2.535	17.4	19.7
1 22	10 28.52	− 2 0.8	1.721	2.556	14.2	19.5
2 1	10 22.57	− 1 44.6	1.670	2.578	10.6	19.3
2 11	10 14.93	− 1 8.0	1.644	2.599	6.9	19.2
2 21	10 6.51	− 0 14.8	1.644	2.621	4.3	19.1
3 2	9 58.35	+ 0 49.0	1.673	2.643	5.5	19.2
3 12	9 51.47	+ 1 55.9	1.728	2.665	8.9	19.4
3 22	9 46.57	+ 2 59.1	1.808	2.687	12.3	19.7

139230 2001 HR_{16} 2 19.4 307°.97 3°.4/21.9 18

1 12	10 30.57	+ 0 52.9	1.615	2.383	18.0	20.2
1 22	10 27.92	+ 0 53.5	1.520	2.374	14.8	19.9
2 1	10 22.59	+ 1 16.5	1.445	2.366	10.9	19.6
2 11	10 15.14	+ 2 0.8	1.392	2.357	6.5	19.4
2 21	10 6.45	+ 3 2.7	1.366	2.349	3.4	19.2
3 2	9 57.72	+ 4 15.2	1.367	2.341	5.8	19.3
3 12	9 50.23	+ 5 29.5	1.394	2.333	10.3	19.5
3 22	9 44.93	+ 6 37.7	1.444	2.326	14.5	19.7

25112 Mymeshkovych 2 19.4 114°.52 0°.2/19.2 18

1 12	10 32.75	+ 9 55.2	2.192	2.968	13.6	19.3
1 22	10 28.69	+10 17.1	2.108	2.976	10.6	19.1
2 1	10 22.57	+10 49.9	2.047	2.982	7.2	18.9
2 11	10 14.93	+11 29.9	2.013	2.989	3.3	18.6
2 21	10 6.52	+12 12.6	2.008	2.996	0.8	18.4
3 2	9 58.26	+12 52.9	2.032	3.002	4.7	18.7
3 12	9 51.03	+13 26.3	2.085	3.009	8.4	19.0
3 22	9 45.51	+13 50.1	2.164	3.015	11.6	19.2

377504 2005 EY_{176} 2 19.4 2°.43 3°.6/16.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 12	10 33.27	+19 13.0	1.715	2.527	15.3	20.9
1 22	10 29.81	+19 42.8	1.637	2.526	11.9	20.7
2 1	10 23.67	+20 18.2	1.582	2.526	8.1	20.5
2 11	10 15.54	+20 52.7	1.552	2.527	4.5	20.3
2 21	10 6.40	+21 19.5	1.549	2.528	4.1	20.2
3 2	9 57.49	+21 33.0	1.574	2.530	7.5	20.4
3 12	9 50.00	+21 30.1	1.624	2.533	11.4	20.7
3 22	9 44.75	+21 10.8	1.696	2.536	14.9	20.9

415491 2014 OC_{296} 2 19.4 238°.20 0°.1/19.3 17

1 12	10 35.00	+ 8 25.9	1.909	2.684	15.4	22.7
1 22	10 31.05	+ 8 57.4	1.804	2.671	12.2	22.4
2 1	10 24.56	+ 9 44.5	1.721	2.656	8.3	22.2
2 11	10 16.03	+10 43.6	1.665	2.641	3.9	21.9
2 21	10 6.29	+11 48.7	1.637	2.625	0.8	21.6
3 2	9 56.44	+12 52.6	1.638	2.609	5.6	21.9
3 12	9 47.67	+13 48.8	1.668	2.592	10.1	22.1
3 22	9 40.92	+14 32.4	1.721	2.574	14.1	22.3

462898 2010 XT_{34} 2 19.4 105°.86 0°.4/19.1 18

1 12	10 37.43	+10 54.7	1.982	2.757	14.8	21.0
1 22	10 32.43	+11 10.8	1.908	2.776	11.6	20.8
2 1	10 25.09	+11 37.4	1.858	2.794	7.8	20.6
2 11	10 16.09	+12 10.4	1.834	2.811	3.6	20.4
2 21	10 6.32	+12 44.8	1.840	2.828	0.9	20.2
3 2	9 56.84	+13 15.6	1.875	2.845	5.1	20.6
3 12	9 48.65	+13 38.5	1.939	2.861	9.0	20.8
3 22	9 42.46	+13 51.4	2.028	2.877	12.4	21.1

131912 2002 BQ_{16} 2 19.4 337°.95 1°.8/20.5 18

1 12	10 31.49	+ 5 40.8	1.354	2.152	19.4	19.7
1 22	10 29.11	+ 5 41.5	1.269	2.145	15.6	19.4
2 1	10 23.65	+ 6 2.8	1.203	2.139	11.0	19.1
2 11	10 15.71	+ 6 42.3	1.160	2.134	5.8	18.8
2 21	10 6.36	+ 7 34.5	1.141	2.129	1.8	18.5
3 2	9 57.06	+ 8 31.3	1.149	2.125	6.3	18.8
3 12	9 49.30	+ 9 24.0	1.181	2.121	11.6	19.1
3 22	9 44.16	+10 5.8	1.234	2.118	16.4	19.4

62109 2000 RT_{97} 2 19.4 71°.72 10°.8/ 1.4 18

1 12	10 30.60	−20 13.9	2.019	2.642	19.0	19.0
1 22	10 27.47	−21 11.1	1.930	2.647	17.2	18.8
2 1	10 22.02	−21 40.5	1.857	2.651	15.1	18.7
2 11	10 14.78	−21 37.8	1.803	2.656	13.0	18.6
2 21	10 6.55	−21 1.2	1.770	2.661	11.4	18.5
3 2	9 58.35	−19 52.5	1.761	2.665	10.8	18.4
3 12	9 51.23	−18 18.3	1.778	2.670	11.5	18.5
3 22	9 45.99	−16 28.1	1.818	2.675	13.2	18.6

385099 2012 VM_{47} 2 19.4 187°.37 0°.7/18.6 17

1 12	10 31.04	+11 23.3	2.617	3.391	11.7	22.0
1 22	10 27.09	+11 55.1	2.523	3.391	9.1	21.8
2 1	10 21.38	+12 35.8	2.454	3.390	6.1	21.6
2 11	10 14.36	+13 22.0	2.412	3.389	2.8	21.4
2 21	10 6.66	+14 9.3	2.401	3.388	1.1	21.2
3 2	9 59.02	+14 53.2	2.420	3.387	4.4	21.5
3 12	9 52.19	+15 29.8	2.468	3.385	7.6	21.7
3 22	9 46.77	+15 56.7	2.542	3.383	10.5	21.8

249513 2010 CD_{41} 2 19.4 244°.85 3°.4/15.9 17

1 12	10 32.15	+20 12.8	2.421	3.217	11.9	20.7
1 22	10 28.20	+21 1.0	2.333	3.213	9.2	20.5
2 1	10 22.26	+21 53.7	2.269	3.209	6.3	20.3
2 11	10 14.82	+22 45.2	2.234	3.204	3.8	20.1
2 21	10 6.59	+23 29.8	2.227	3.199	3.9	20.1
3 2	9 58.45	+24 2.9	2.250	3.195	6.4	20.3
3 12	9 51.26	+24 21.2	2.301	3.190	9.4	20.5
3 22	9 45.69	+24 24.2	2.375	3.185	12.1	20.6

212840 2007 UU_{91} 2 19.4 40°.93 0°.7/18.8 18

1 12	10 31.16	+11 13.5	1.990	2.779	14.3	20.8
1 22	10 27.63	+11 38.8	1.916	2.791	11.1	20.6
2 1	10 21.94	+12 15.1	1.864	2.803	7.4	20.4
2 11	10 14.67	+12 57.9	1.838	2.816	3.4	20.2
2 21	10 6.64	+13 41.9	1.841	2.829	1.2	20.1
3 2	9 58.83	+14 21.6	1.873	2.842	5.1	20.4
3 12	9 52.17	+14 52.6	1.931	2.855	8.9	20.6
3 22	9 47.32	+15 12.2	2.015	2.869	12.3	20.8

471124 2010 CU_{225} 2 19.4 123°.59 6°.0/26.1 17

1 12	10 30.22	−10 27.7	2.616	3.285	14.1	21.5
1 22	10 26.46	−10 53.6	2.521	3.292	12.2	21.3
2 1	10 20.97	−11 0.8	2.447	3.299	10.0	21.2
2 11	10 14.19	−10 48.2	2.396	3.306	7.8	21.0
2 21	10 6.73	−10 16.6	2.372	3.313	6.2	21.0
3 2	9 59.33	− 9 28.7	2.377	3.320	6.2	21.0
3 12	9 52.73	− 8 29.2	2.409	3.326	7.7	21.1
3 22	9 47.51	− 7 23.8	2.468	3.333	9.9	21.2

2020	α_{2000}	δ_{2000}	Δ	r	β	V
169298 2001 SS_{349}			2 19.4 174°.16	4°.4/24.0 17		
	h m	° ′			°	m
1 12	10 30.50	− 4 56.6	2.630	3.332	13.4	20.7
1 22	10 26.67	− 5 11.7	2.530	3.333	11.2	20.5
2 1	10 21.11	− 5 10.7	2.451	3.334	8.8	20.4
2 11	10 14.26	− 4 53.4	2.397	3.335	6.2	20.2
2 21	10 6.72	− 4 21.2	2.372	3.336	4.5	20.1
3 2	9 59.20	− 3 37.1	2.376	3.336	5.0	20.1
3 12	9 52.46	− 2 45.8	2.409	3.336	7.2	20.3
3 22	9 47.07	− 1 52.1	2.468	3.336	9.8	20.4
382346 2013 TJ_{65}			2 19.4 222°.23	0°.7/18.7 17		
1 12	10 34.84	+11 43.4	2.382	3.154	12.8	21.8
1 22	10 30.32	+12 7.3	2.278	3.144	10.0	21.6
2 1	10 23.73	+12 40.6	2.198	3.134	6.7	21.4
2 11	10 15.54	+13 19.7	2.146	3.123	3.1	21.1
2 21	10 6.47	+14 0.1	2.124	3.112	1.1	21.0
3 2	9 57.38	+14 37.0	2.133	3.100	4.8	21.2
3 12	9 49.21	+15 6.3	2.170	3.087	8.5	21.4
3 22	9 42.66	+15 25.4	2.234	3.074	11.7	21.6
26928 1997 CC_{17}			2 19.4 260°.28	1°.4/18.4 18		
1 12	10 36.65	+11 59.9	1.615	2.410	16.9	18.7
1 22	10 32.92	+12 30.1	1.513	2.392	13.4	18.5
2 1	10 26.18	+13 15.0	1.433	2.374	9.1	18.2
2 11	10 16.94	+14 9.7	1.377	2.355	4.2	17.8
2 21	10 6.17	+15 6.7	1.348	2.335	2.0	17.6
3 2	9 55.24	+15 57.9	1.348	2.315	7.0	17.9
3 12	9 45.61	+16 36.2	1.373	2.295	12.0	18.1
3 22	9 38.44	+16 58.1	1.421	2.274	16.5	18.3
241355 2007 WE_{58}			2 19.4 266°.75	4°.2/23.2 17		
1 12	10 31.16	− 2 22.2	2.417	3.138	13.9	20.2
1 22	10 27.39	− 2 45.3	2.313	3.132	11.6	20.0
2 1	10 21.72	− 2 53.1	2.231	3.126	8.9	19.8
2 11	10 14.60	− 2 45.3	2.174	3.121	6.1	19.6
2 21	10 6.67	− 2 23.2	2.144	3.115	4.2	19.5
3 2	9 58.73	− 1 49.7	2.144	3.109	5.1	19.5
3 12	9 51.61	− 1 9.5	2.172	3.103	7.7	19.7
3 22	9 45.97	− 0 27.2	2.227	3.097	10.6	19.9
384153 2009 AV_{14}			2 19.4 43°.33	0°.3/19.1 18		
1 12	10 31.27	+10 7.8	1.988	2.774	14.5	20.9
1 22	10 27.74	+10 30.5	1.911	2.784	11.3	20.7
2 1	10 22.03	+11 5.0	1.857	2.795	7.6	20.5
2 11	10 14.73	+11 47.1	1.829	2.806	3.5	20.3
2 21	10 6.65	+12 31.8	1.829	2.817	0.9	20.1
3 2	9 58.78	+13 13.3	1.858	2.829	5.0	20.4
3 12	9 52.04	+13 47.2	1.915	2.841	8.9	20.7
3 22	9 47.12	+14 10.3	1.996	2.853	12.2	20.9
372448 2009 SV_{96}			2 19.4 100°.76	1°.7/20.9 18		
1 12	10 32.15	+ 4 9.0	2.032	2.793	15.0	21.6
1 22	10 28.40	+ 4 22.5	1.947	2.801	12.0	21.4
2 1	10 22.49	+ 4 51.8	1.885	2.810	8.5	21.2
2 11	10 14.96	+ 5 34.5	1.848	2.818	4.6	21.0
2 21	10 6.61	+ 6 26.1	1.839	2.826	1.7	20.8
3 2	9 58.40	+ 7 21.2	1.860	2.833	4.6	21.0
3 12	9 51.27	+ 8 13.8	1.908	2.841	8.4	21.3
3 22	9 45.93	+ 8 59.2	1.982	2.849	11.9	21.5
172010 2001 US_{62}			2 19.4 120°.41	3°.5/23.2 18		
1 12	10 29.94	− 2 33.4	2.532	3.251	13.4	21.1
1 22	10 26.26	− 2 32.5	2.439	3.259	11.1	20.9
2 1	10 20.83	− 2 15.3	2.369	3.267	8.4	20.7
2 11	10 14.13	− 1 42.5	2.324	3.274	5.6	20.6
2 21	10 6.78	− 0 56.7	2.308	3.281	3.6	20.4
3 2	9 59.51	− 0 1.7	2.321	3.289	4.5	20.5
3 12	9 53.06	+ 0 57.2	2.364	3.296	7.1	20.7
3 22	9 48.00	+ 1 55.2	2.433	3.302	9.8	20.9
240377 2003 SR_{255}			2 19.4 323°.84	16°.0/ 4.7 18		
1 12	10 26.85	−23 55.7	1.140	1.816	28.8	20.1
1 22	10 26.32	−25 0.1	1.060	1.811	26.5	19.9
2 1	10 22.30	−25 16.9	0.989	1.806	23.8	19.7
2 11	10 15.32	−24 34.2	0.932	1.802	20.7	19.4
2 21	10 6.51	−22 44.4	0.890	1.798	17.8	19.2
3 2	9 57.57	−19 49.0	0.867	1.795	16.1	19.1
3 12	9 50.40	−16 3.3	0.866	1.791	16.7	19.1
3 22	9 46.35	−11 52.2	0.886	1.789	19.3	19.3
422248 2014 SC_{76}			2 19.4 156°.03	4°.0/15.9 18		
1 12	10 37.62	+19 48.0	1.975	2.771	14.2	21.6
1 22	10 32.86	+20 48.8	1.899	2.778	11.0	21.4
2 1	10 25.59	+21 55.4	1.846	2.785	7.5	21.2
2 11	10 16.44	+23 0.4	1.820	2.791	4.6	21.0
2 21	10 6.35	+23 56.1	1.824	2.796	4.6	21.0
3 2	9 56.45	+24 36.4	1.856	2.800	7.6	21.2
3 12	9 47.87	+24 57.9	1.916	2.804	11.0	21.4
3 22	9 41.40	+25 0.3	1.998	2.808	14.1	21.6

2020	α_{2000}	δ_{2000}	Δ	r	β	V
110312 2001 SF_{279}			2 19.4 4°.66	9°.8/14.6 18		
	h m	° ′			°	m
1 12	10 38.35	+31 24.0	1.184	2.020	19.3	17.5
1 22	10 35.15	+32 6.4	1.127	2.019	15.8	17.2
2 1	10 27.93	+32 41.6	1.088	2.020	12.3	17.0
2 11	10 17.69	+32 56.9	1.071	2.023	10.0	16.9
2 21	10 6.12	+32 42.4	1.076	2.028	10.5	17.0
3 2	9 55.26	+31 53.9	1.105	2.034	13.2	17.1
3 12	9 46.87	+30 34.2	1.155	2.041	16.8	17.4
3 22	9 41.95	+28 50.7	1.223	2.051	20.2	17.6
176522 2001 YQ_{93}			2 19.4 98°.38	1°.4/20.8 18		
1 12	10 30.53	+ 5 19.2	2.491	3.247	12.7	20.7
1 22	10 26.77	+ 5 24.0	2.396	3.248	10.1	20.5
2 1	10 21.22	+ 5 40.8	2.324	3.249	7.1	20.3
2 11	10 14.34	+ 6 7.4	2.280	3.250	3.8	20.1
2 21	10 6.76	+ 6 40.8	2.264	3.250	1.4	19.9
3 2	9 59.25	+ 7 17.2	2.278	3.251	4.0	20.1
3 12	9 52.57	+ 7 52.3	2.321	3.252	7.3	20.3
3 22	9 47.34	+ 8 22.6	2.390	3.252	10.3	20.5
453923 2011 WF_{60}			2 19.4 126°.97	0°.8/18.7 18		
1 12	10 37.14	+10 18.0	1.975	2.750	14.9	22.4
1 22	10 32.29	+10 59.6	1.901	2.768	11.6	22.2
2 1	10 25.08	+11 53.8	1.849	2.785	7.8	22.0
2 11	10 16.16	+12 55.4	1.825	2.802	3.5	21.8
2 21	10 6.43	+13 58.0	1.830	2.817	1.3	21.6
3 2	9 56.93	+14 55.0	1.865	2.832	5.4	22.0
3 12	9 48.70	+15 41.3	1.928	2.846	9.3	22.2
3 22	9 42.47	+16 14.2	2.016	2.859	12.7	22.5
165409 2000 YP_{15}			2 19.4 168°.22	1°.7/17.9 18		
1 12	10 37.17	+13 21.9	2.100	2.880	14.0	21.4
1 22	10 32.32	+14 4.3	2.014	2.885	10.9	21.2
2 1	10 25.15	+14 56.8	1.951	2.890	7.3	21.0
2 11	10 16.23	+15 54.0	1.917	2.893	3.4	20.8
2 21	10 6.41	+16 49.7	1.911	2.896	2.1	20.7
3 2	9 56.71	+17 37.8	1.937	2.899	5.8	20.9
3 12	9 48.16	+18 13.9	1.990	2.900	9.5	21.1
3 22	9 41.53	+18 35.8	2.068	2.901	12.8	21.3
144501 2004 EF_{69}			2 19.4 178°.51	1°.9/17.4 18		
1 12	10 35.70	+17 51.8	2.930	3.705	10.5	20.5
1 22	10 30.47	+18 9.7	2.838	3.706	8.2	20.4
2 1	10 23.54	+18 30.9	2.771	3.707	5.5	20.2
2 11	10 15.37	+18 51.8	2.734	3.708	2.8	20.0
2 21	10 6.59	+19 8.9	2.727	3.708	2.2	20.0
3 2	9 57.92	+19 19.0	2.752	3.708	4.7	20.1
3 12	9 50.09	+19 20.3	2.807	3.707	7.5	20.3
3 22	9 43.66	+19 11.9	2.888	3.706	10.0	20.5
418599 2008 SC_{260}			2 19.4 230°.15	1°.3/18.1 18		
1 12	10 32.26	+12 33.0	2.332	3.114	12.7	21.7
1 22	10 28.39	+13 15.3	2.233	3.105	9.9	21.4
2 1	10 22.48	+14 7.9	2.157	3.096	6.6	21.2
2 11	10 15.00	+15 6.3	2.109	3.086	3.1	21.0
2 21	10 6.64	+16 5.1	2.090	3.076	1.8	20.9
3 2	9 58.29	+16 58.7	2.102	3.066	5.2	21.1
3 12	9 50.82	+17 42.2	2.142	3.055	8.8	21.3
3 22	9 44.97	+18 12.9	2.207	3.044	12.0	21.5
82656 Puskas			2 19.4 15°.15	1°.6/18.2 18		
1 12	10 30.87	+13 32.2	1.757	2.561	15.4	19.7
1 22	10 27.80	+13 57.8	1.681	2.565	11.9	19.5
2 1	10 22.27	+14 33.8	1.627	2.571	7.9	19.3
2 11	10 14.92	+15 14.9	1.598	2.577	3.7	19.0
2 21	10 6.67	+15 55.2	1.597	2.583	2.0	18.9
3 2	9 58.63	+16 28.4	1.624	2.591	6.1	19.2
3 12	9 51.88	+16 50.2	1.677	2.599	10.1	19.4
3 22	9 47.18	+16 58.3	1.752	2.608	13.7	19.7
93577 2000 UA_{46}			2 19.4 95°.00	2°.5/17.3 18		
1 12	10 34.67	+16 0.0	1.963	2.758	14.3	20.1
1 22	10 30.48	+16 39.9	1.888	2.768	11.1	19.9
2 1	10 23.93	+17 27.6	1.836	2.777	7.4	19.7
2 11	10 15.66	+18 17.5	1.811	2.787	3.7	19.5
2 21	10 6.54	+19 2.9	1.814	2.796	2.9	19.4
3 2	9 57.65	+19 38.3	1.847	2.805	6.3	19.7
3 12	9 50.01	+19 59.9	1.906	2.815	10.0	19.9
3 22	9 44.35	+20 6.5	1.989	2.824	13.2	20.1
362672 2011 UG_{52}			2 19.4 51°.40	1°.0/20.1 18		
1 12	10 32.82	+ 6 3.3	1.487	2.277	18.3	21.6
1 22	10 29.77	+ 6 25.7	1.410	2.282	14.6	21.4
2 1	10 23.86	+ 7 8.2	1.352	2.288	10.1	21.1
2 11	10 15.76	+ 8 6.7	1.318	2.293	5.0	20.8
2 21	10 6.52	+ 9 14.5	1.311	2.299	1.1	20.6
3 2	9 57.45	+10 23.0	1.331	2.305	5.9	20.9
3 12	9 49.87	+11 23.9	1.376	2.311	10.8	21.2
3 22	9 44.70	+12 11.6	1.445	2.318	15.1	21.5

15173 3520 *P–L* 2 19.4 111°.97 4°.2/23.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 12	10 31.32	− 3 55.6	2.455	3.166	14.0	18.6
1 22	10 27.38	− 4 7.1	2.366	3.177	11.7	18.4
2 1	10 21.62	− 4 1.7	2.298	3.188	9.0	18.2
2 11	10 14.53	− 3 39.7	2.256	3.199	6.2	18.1
2 21	10 6.77	− 3 3.0	2.242	3.210	4.3	18.0
3 2	9 59.12	− 2 15.2	2.257	3.220	4.9	18.0
3 12	9 52.33	− 1 21.5	2.300	3.230	7.4	18.2
3 22	9 47.02	− 0 26.9	2.371	3.240	10.1	18.4

229216 2004 VK_{72} 2 19.4 181°.87 2°.6/16.8 18 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 33.56	+16 52.0	2.339	3.128	12.4	20.6
1 22	10 29.34	+17 41.2	2.252	3.129	9.6	20.4
2 1	10 23.07	+18 37.3	2.189	3.129	6.5	20.2
2 11	10 15.25	+19 34.9	2.154	3.129	3.4	20.0
2 21	10 6.63	+20 28.1	2.149	3.128	3.1	19.9
3 2	9 58.11	+21 11.6	2.174	3.128	6.0	20.1
3 12	9 50.56	+21 41.8	2.227	3.126	9.2	20.3
3 22	9 44.69	+21 57.1	2.305	3.125	12.1	20.5

289495 2005 EG_{120} 2 19.4 293°.30 3°.7/22.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 30.67	− 0 18.2	1.624	2.387	18.2	21.0
1 22	10 28.05	− 0 15.4	1.527	2.376	15.0	20.7
2 1	10 22.76	+ 0 11.0	1.448	2.366	11.1	20.5
2 11	10 15.32	+ 1 0.5	1.393	2.356	6.9	20.2
2 21	10 6.61	+ 2 9.2	1.364	2.345	3.8	20.0
3 2	9 57.82	+ 3 30.3	1.361	2.335	5.9	20.1
3 12	9 50.23	+ 4 54.3	1.385	2.325	10.3	20.3
3 22	9 44.84	+ 6 12.6	1.433	2.316	14.6	20.5

337393 2001 QO_{163} 2 19.4 78°.90 5°.4/25.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 30.71	− 9 40.1	2.482	3.160	14.6	20.7
1 22	10 26.81	− 9 46.3	2.406	3.186	12.4	20.6
2 1	10 21.16	− 9 32.2	2.350	3.212	10.0	20.4
2 11	10 14.29	− 8 57.9	2.318	3.238	7.5	20.3
2 21	10 6.84	− 8 5.3	2.313	3.264	5.7	20.2
3 2	9 59.58	− 6 58.5	2.337	3.289	5.7	20.3
3 12	9 53.24	− 5 43.4	2.390	3.314	7.4	20.4
3 22	9 48.34	− 4 26.0	2.470	3.339	9.7	20.6

434822 2006 RK_{101} 2 19.4 159°.15 2°.1/21.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 33.20	+ 2 41.6	3.041	3.768	11.2	21.9
1 22	10 28.45	+ 2 32.0	2.944	3.774	9.1	21.7
2 1	10 22.15	+ 2 32.8	2.870	3.780	6.6	21.6
2 11	10 14.74	+ 2 42.8	2.825	3.786	3.9	21.4
2 21	10 6.76	+ 3 0.2	2.809	3.791	2.1	21.3
3 2	9 58.85	+ 3 22.4	2.826	3.795	3.6	21.4
3 12	9 51.65	+ 3 46.3	2.872	3.800	6.2	21.6
3 22	9 45.68	+ 4 9.0	2.946	3.803	8.7	21.7

433655 2014 BW_{14} 2 19.4 78°.14 2°.1/17.5 15

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 33.22	+16 4.7	2.277	3.067	12.7	21.8
1 22	10 28.99	+16 36.5	2.202	3.079	9.8	21.6
2 1	10 22.75	+17 14.4	2.151	3.092	6.5	21.4
2 11	10 15.06	+17 53.9	2.128	3.104	3.2	21.2
2 21	10 6.70	+18 29.7	2.134	3.116	2.5	21.2
3 2	9 58.55	+18 57.4	2.169	3.129	5.5	21.4
3 12	9 51.46	+19 14.0	2.233	3.141	8.7	21.6
3 22	9 46.06	+19 18.3	2.321	3.153	11.6	21.8

37450 4257 *P–L* 2 19.4 126°.45 0°.5/19.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 38.89	+11 3.4	1.764	2.545	16.2	20.1
1 22	10 33.98	+11 17.8	1.686	2.556	12.7	19.9
2 1	10 26.41	+11 44.0	1.631	2.567	8.6	19.7
2 11	10 16.87	+12 17.5	1.601	2.578	3.9	19.4
2 21	10 6.36	+12 52.7	1.600	2.588	1.0	19.2
3 2	9 56.10	+13 23.9	1.628	2.598	5.7	19.6
3 12	9 47.29	+13 46.2	1.683	2.607	10.0	19.9
3 22	9 40.74	+13 57.4	1.763	2.616	13.8	20.1

27009 1998 FB_{11} 2 19.4 295°.48 0°.7/20.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 29.96	+ 6 4.3	1.888	2.666	15.4	18.7
1 22	10 27.10	+ 6 34.3	1.787	2.653	12.3	18.4
2 1	10 21.90	+ 7 21.8	1.708	2.641	8.5	18.2
2 11	10 14.85	+ 8 23.7	1.654	2.629	4.2	17.9
2 21	10 6.72	+ 9 34.4	1.629	2.617	0.9	17.6
3 2	9 58.54	+10 47.0	1.631	2.605	5.2	17.9
3 12	9 51.40	+11 53.9	1.662	2.593	9.6	18.1
3 22	9 46.14	+12 49.8	1.716	2.582	13.5	18.3

61201 2000 OK_{4} 2 19.4 207°.17 3°.3/21.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 35.27	+ 0 47.1	1.888	2.634	16.5	19.5
1 22	10 31.21	+ 0 44.6	1.789	2.629	13.6	19.2
2 1	10 24.65	+ 1 1.2	1.711	2.624	10.0	19.0
2 11	10 16.12	+ 1 35.8	1.657	2.619	6.1	18.8
2 21	10 6.48	+ 2 25.4	1.631	2.613	3.3	18.6
3 2	9 56.81	+ 3 24.3	1.634	2.606	5.4	18.7
3 12	9 48.26	+ 4 25.7	1.665	2.599	9.4	18.9
3 22	9 41.72	+ 5 23.1	1.721	2.591	13.2	19.1

273168 2006 HH_{64} 2 19.4 207°.88 1°.3/18.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 12	10 32.03	+12 59.3	2.512	3.291	12.0	21.4
1 22	10 28.02	+13 36.9	2.416	3.287	9.3	21.2
2 1	10 22.13	+14 23.3	2.344	3.282	6.2	21.0
2 11	10 14.82	+15 14.4	2.300	3.277	2.9	20.8
2 21	10 6.75	+16 5.2	2.286	3.272	1.7	20.7
3 2	9 58.71	+16 50.9	2.303	3.266	4.9	20.9
3 12	9 51.53	+17 27.5	2.348	3.260	8.2	21.1
3 22	9 45.84	+17 52.7	2.419	3.254	11.1	21.3

171248 2005 LC_{49} 2 19.4 98°.41 4°.3/14.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 31.40	+21 36.1	2.308	3.110	12.2	19.9
1 22	10 27.74	+22 48.2	2.232	3.115	9.5	19.7
2 1	10 22.02	+24 4.5	2.181	3.119	6.6	19.6
2 11	10 14.78	+25 18.1	2.158	3.123	4.5	19.4
2 21	10 6.76	+26 22.3	2.164	3.127	4.9	19.5
3 2	9 58.86	+27 11.5	2.198	3.132	7.3	19.6
3 12	9 51.98	+27 42.5	2.260	3.136	10.1	19.8
3 22	9 46.79	+27 55.0	2.345	3.140	12.7	20.0

285986 2001 RE_{150} 2 19.4 115°.62 2°.4/17.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 35.20	+18 22.9	2.617	3.400	11.4	21.0
1 22	10 30.23	+18 52.1	2.542	3.415	8.8	20.9
2 1	10 23.43	+19 25.1	2.492	3.430	5.9	20.7
2 11	10 15.35	+19 57.3	2.471	3.444	3.2	20.6
2 21	10 6.68	+20 24.4	2.480	3.458	2.7	20.6
3 2	9 58.22	+20 42.8	2.519	3.472	5.3	20.7
3 12	9 50.75	+20 50.4	2.587	3.485	8.1	20.9
3 22	9 44.82	+20 46.5	2.681	3.498	10.7	21.1

177763 2005 JG_{125} 2 19.4 165°.71 1°.2/20.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 35.46	+ 5 33.3	2.480	3.227	13.0	21.1
1 22	10 30.59	+ 5 48.0	2.386	3.233	10.3	20.9
2 1	10 23.80	+ 6 14.9	2.316	3.239	7.2	20.7
2 11	10 15.58	+ 6 51.8	2.274	3.244	3.8	20.5
2 21	10 6.63	+ 7 34.8	2.261	3.248	1.2	20.3
3 2	9 57.75	+ 8 19.7	2.280	3.252	4.1	20.5
3 12	9 49.80	+ 9 2.0	2.329	3.255	7.5	20.7
3 22	9 43.39	+ 9 38.0	2.404	3.256	10.6	20.9

193764 2001 LG_{13} 2 19.4 201°.80 1°.5/18.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 37.41	+12 2.4	2.104	2.880	14.1	21.8
1 22	10 32.67	+12 55.6	2.006	2.875	11.1	21.6
2 1	10 25.53	+14 1.3	1.931	2.868	7.4	21.4
2 11	10 16.52	+15 14.4	1.884	2.861	3.4	21.1
2 21	10 6.43	+16 27.7	1.867	2.853	2.0	21.0
3 2	9 56.32	+17 34.4	1.881	2.843	5.9	21.2
3 12	9 47.28	+18 28.5	1.923	2.833	9.8	21.4
3 22	9 40.14	+19 7.0	1.991	2.821	13.3	21.6

343115 2009 DR_{132} 2 19.4 52°.42 0°.2/19.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 34.12	+10 18.9	2.260	3.032	13.3	20.8
1 22	10 29.73	+10 16.2	2.172	3.037	10.5	20.6
2 1	10 23.30	+10 22.4	2.108	3.041	7.1	20.4
2 11	10 15.37	+10 34.8	2.070	3.046	3.4	20.1
2 21	10 6.68	+10 50.1	2.062	3.050	0.6	19.9
3 2	9 58.14	+11 4.4	2.084	3.055	4.5	20.2
3 12	9 50.62	+11 14.6	2.134	3.060	8.1	20.4
3 22	9 44.79	+11 18.2	2.210	3.065	11.3	20.7

107057 2001 AW_{4} 2 19.4 12°.78 3°.2/21.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 30.31	+ 4 15.2	1.162	1.970	21.4	18.9
1 22	10 28.48	+ 3 51.6	1.094	1.973	17.3	18.7
2 1	10 23.35	+ 3 50.5	1.043	1.978	12.4	18.4
2 11	10 15.65	+ 4 10.8	1.013	1.984	7.0	18.1
2 21	10 6.63	+ 4 47.6	1.006	1.992	3.2	17.9
3 2	9 57.86	+ 5 33.2	1.024	2.001	6.7	18.2
3 12	9 50.90	+ 6 18.5	1.064	2.011	11.9	18.5
3 22	9 46.77	+ 6 56.1	1.126	2.022	16.6	18.8

23885 1998 SE_{13} 2 19.4 9°.99 8°.7/13.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 41.36	+31 12.5	1.596	2.407	16.3	18.3
1 22	10 36.66	+32 16.3	1.530	2.408	13.3	18.1
2 1	10 28.60	+33 15.6	1.486	2.409	10.5	17.9
2 11	10 18.00	+33 59.5	1.466	2.409	8.8	17.8
2 21	10 6.20	+34 18.5	1.471	2.411	9.4	17.9
3 2	9 54.84	+34 7.5	1.502	2.412	11.8	18.0
3 12	9 45.44	+33 27.0	1.556	2.414	14.9	18.2
3 22	9 38.95	+32 21.7	1.631	2.415	17.8	18.4

268466 2005 WG_{190} 2 19.4 62°.14 4°.8/16.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 39.58	+22 9.9	1.685	2.491	15.8	20.3
1 22	10 34.53	+22 52.8	1.631	2.515	12.3	20.1
2 1	10 26.70	+23 38.0	1.600	2.539	8.5	19.9
2 11	10 16.95	+24 17.4	1.595	2.563	5.3	19.8
2 21	10 6.42	+24 43.8	1.617	2.588	5.3	19.8
3 2	9 56.44	+24 52.6	1.667	2.612	8.2	20.1
3 12	9 48.18	+24 42.3	1.742	2.636	11.6	20.3
3 22	9 42.36	+24 14.7	1.841	2.660	14.7	20.6

432986 2012 PU_{13} 2 19.4 196°.77 1°.4/20.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 12	10 32.51	+ 5 39.3	2.432	3.187	13.0	21.2
1 22	10 28.40	+ 5 43.2	2.334	3.185	10.4	21.0
2 1	10 22.40	+ 5 59.0	2.259	3.184	7.3	20.8
2 11	10 14.96	+ 6 24.8	2.211	3.182	3.9	20.6
2 21	10 6.77	+ 6 57.3	2.193	3.180	1.4	20.4
3 2	9 58.63	+ 7 32.6	2.204	3.177	4.1	20.6
3 12	9 51.35	+ 8 6.4	2.245	3.175	7.5	20.8
3 22	9 45.58	+ 8 35.3	2.312	3.172	10.7	21.0

375298 2008 PP_{10} 2 19.4 170°.49 1°.0/18.3 16

1 12	10 31.69	+10 23.7	2.512	3.284	12.2	21.7
1 22	10 27.73	+11 23.7	2.421	3.288	9.5	21.5
2 1	10 21.93	+12 35.2	2.354	3.291	6.3	21.3
2 11	10 14.74	+13 53.7	2.316	3.294	2.9	21.1
2 21	10 6.82	+15 13.3	2.309	3.296	1.4	21.0
3 2	9 58.95	+16 28.1	2.333	3.297	4.7	21.2
3 12	9 51.92	+17 33.0	2.386	3.298	8.1	21.4
3 22	9 46.36	+18 24.9	2.465	3.299	11.0	21.6

15476 Narendra 2 19.4 97°.50 4°.3/22.7 18

1 12	10 34.35	− 1 27.8	1.553	2.307	19.2	18.3
1 22	10 30.81	− 1 31.7	1.475	2.318	15.8	18.1
2 1	10 24.50	− 1 11.2	1.417	2.329	11.8	17.9
2 11	10 16.07	− 0 27.0	1.381	2.339	7.5	17.7
2 21	10 6.56	+ 0 36.5	1.371	2.350	4.4	17.5
3 2	9 57.24	+ 1 52.2	1.388	2.360	6.1	17.7
3 12	9 49.37	+ 3 10.7	1.432	2.371	10.2	17.9
3 22	9 43.83	+ 4 23.7	1.500	2.381	14.2	18.2

451688 2013 BV_{71} 2 19.4 217°.02 6°.8/23.6 18

1 12	10 36.71	− 3 53.7	1.567	2.304	19.7	21.5
1 22	10 32.86	− 4 49.6	1.476	2.302	16.7	21.2
2 1	10 26.06	− 5 23.9	1.405	2.300	13.1	21.0
2 11	10 16.90	− 5 33.8	1.355	2.298	9.4	20.8
2 21	10 6.39	− 5 19.3	1.331	2.296	7.0	20.6
3 2	9 55.85	− 4 43.7	1.332	2.294	7.8	20.7
3 12	9 46.71	− 3 54.1	1.360	2.292	11.2	20.9
3 22	9 40.00	− 2 59.0	1.410	2.289	15.0	21.1

291221 2006 BK_1 2 19.4 127°.35 0°.9/20.0 18

1 12	10 38.49	+ 7 33.0	1.694	2.468	17.1	21.3
1 22	10 33.79	+ 7 40.6	1.616	2.480	13.5	21.1
2 1	10 26.37	+ 8 3.5	1.559	2.491	9.3	20.9
2 11	10 16.90	+ 8 38.1	1.527	2.501	4.6	20.6
2 21	10 6.41	+ 9 19.0	1.523	2.512	1.0	20.4
3 2	9 56.17	+10 0.1	1.548	2.521	5.5	20.7
3 12	9 47.38	+10 35.5	1.601	2.530	10.0	21.0
3 22	9 40.90	+11 1.3	1.677	2.539	13.9	21.2

428916 2008 VA_{70} 2 19.4 74°.92 1°.4/18.1 17

1 12	10 32.40	+13 5.1	2.084	2.874	13.8	21.8
1 22	10 28.58	+13 40.9	2.006	2.883	10.7	21.6
2 1	10 22.62	+14 26.3	1.951	2.892	7.1	21.4
2 11	10 15.08	+15 16.5	1.923	2.901	3.3	21.2
2 21	10 6.77	+16 5.7	1.924	2.910	1.9	21.1
3 2	9 58.63	+16 48.4	1.954	2.919	5.4	21.3
3 12	9 51.59	+17 20.3	2.012	2.928	9.1	21.6
3 22	9 46.35	+17 39.3	2.094	2.938	12.3	21.8

175295 2005 LW_{27} 2 19.4 172°.28 0°.5/18.8 18

1 12	10 30.62	+10 33.6	2.780	3.549	11.2	21.6
1 22	10 26.69	+11 10.6	2.686	3.551	8.7	21.4
2 1	10 21.12	+11 56.7	2.618	3.553	5.8	21.2
2 11	10 14.33	+12 48.6	2.578	3.555	2.7	21.0
2 21	10 6.91	+13 41.9	2.569	3.556	0.9	20.8
3 2	9 59.55	+14 32.3	2.590	3.557	4.1	21.1
3 12	9 52.95	+15 15.8	2.641	3.558	7.2	21.3
3 22	9 47.66	+15 50.0	2.718	3.558	9.9	21.5

440043 2002 QF_{24} 2 19.4 122°.61 3°.7/21.3 15

1 12	10 51.66	+ 4 3.4	1.796	2.525	17.8	21.5
1 22	10 43.76	+ 3 3.5	1.715	2.546	14.5	21.3
2 1	10 32.92	+ 2 16.2	1.657	2.567	10.5	21.1
2 11	10 19.90	+ 1 42.0	1.626	2.587	6.3	20.9
2 21	10 5.87	+ 1 20.0	1.625	2.605	3.7	20.8
3 2	9 52.24	+ 1 8.0	1.656	2.623	6.0	21.0
3 12	9 40.32	+ 1 2.5	1.717	2.640	9.9	21.2
3 22	9 31.00	+ 0 59.6	1.804	2.655	13.6	21.5

347069 2010 FR_{54} 2 19.4 298°.38 3°.9/23.5 17

1 12	10 28.37	− 3 44.4	2.281	3.005	14.6	21.0
1 22	10 25.37	− 3 33.2	2.181	3.002	12.2	20.8
2 1	10 20.47	− 3 2.2	2.101	2.999	9.3	20.6
2 11	10 14.11	− 2 12.0	2.046	2.996	6.2	20.4
2 21	10 6.95	− 1 5.5	2.019	2.993	4.0	20.3
3 2	9 59.81	+ 0 12.2	2.021	2.990	4.9	20.3
3 12	9 53.51	+ 1 34.6	2.051	2.987	7.8	20.5
3 22	9 48.72	+ 2 55.1	2.108	2.984	10.9	20.7

201457 2003 FC_{92} 2 19.4 314°.67 2°.4/17.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 12	10 32.78	+13 8.8	1.353	2.170	18.4	20.3
1 22	10 30.31	+13 52.1	1.269	2.160	14.5	20.0
2 1	10 24.62	+14 52.0	1.204	2.151	9.7	19.7
2 11	10 16.32	+16 1.4	1.164	2.142	4.6	19.4
2 21	10 6.51	+17 10.8	1.148	2.133	3.0	19.3
3 2	9 56.73	+18 10.0	1.159	2.125	8.0	19.5
3 12	9 48.55	+18 51.2	1.193	2.117	13.2	19.8
3 22	9 43.10	+19 11.1	1.249	2.110	17.7	20.0

323832 2005 SN_{51} 2 19.4 209°.12 3°.4/22.5 17

1 12	10 31.77	− 0 53.0	2.080	2.818	15.4	21.2
1 22	10 28.23	− 0 47.5	1.982	2.816	12.7	21.0
2 1	10 22.50	− 0 22.9	1.904	2.812	9.4	20.8
2 11	10 15.10	+ 0 19.9	1.851	2.809	5.9	20.5
2 21	10 6.78	+ 1 17.7	1.826	2.805	3.4	20.4
3 2	9 58.45	+ 2 25.2	1.830	2.801	5.0	20.5
3 12	9 51.10	+ 3 35.7	1.862	2.797	8.5	20.7
3 22	9 45.48	+ 4 42.7	1.920	2.792	11.9	20.9

312681 2010 NV_4 2 19.4 153°.11 4°.3/22.6 18

1 12	10 38.61	− 0 51.2	2.069	2.793	15.9	20.9
1 22	10 33.45	− 1 25.6	1.978	2.801	13.2	20.7
2 1	10 25.96	− 1 43.8	1.908	2.808	9.9	20.5
2 11	10 16.69	− 1 45.5	1.864	2.815	6.6	20.3
2 21	10 6.48	− 1 32.2	1.847	2.821	4.4	20.2
3 2	9 56.38	− 1 7.1	1.861	2.826	5.6	20.3
3 12	9 47.41	− 0 35.2	1.902	2.831	8.8	20.5
3 22	9 40.35	− 0 1.6	1.970	2.835	12.0	20.7

41344 2000 AR_{16} 2 19.4 263°.68 4°.4/14.0 18

1 12	10 31.05	+24 47.5	2.729	3.528	10.6	18.5
1 22	10 27.27	+25 48.7	2.640	3.519	8.4	18.3
2 1	10 21.64	+26 51.5	2.577	3.509	6.1	18.2
2 11	10 14.63	+27 50.3	2.541	3.499	4.5	18.0
2 21	10 6.87	+28 39.5	2.535	3.490	5.0	18.1
3 2	9 59.15	+29 14.7	2.558	3.480	7.0	18.2
3 12	9 52.27	+29 33.4	2.608	3.470	9.4	18.3
3 22	9 46.84	+29 35.3	2.681	3.460	11.7	18.5

497636 2006 QP_{185} 2 19.4 117°.22 0°.7/18.7 17

1 12	10 31.48	+11 28.3	2.719	3.490	11.4	22.3
1 22	10 27.31	+12 0.4	2.638	3.504	8.8	22.1
2 1	10 21.49	+12 40.8	2.582	3.518	5.9	22.0
2 11	10 14.49	+13 25.6	2.554	3.531	2.7	21.8
2 21	10 6.91	+14 11.0	2.557	3.544	1.0	21.6
3 2	9 59.48	+14 52.6	2.590	3.557	4.1	21.9
3 12	9 52.88	+15 27.0	2.653	3.569	7.2	22.1
3 22	9 47.63	+15 52.2	2.742	3.581	9.8	22.3

100855 1998 HH_{37} 2 19.4 318°.72 0°.6/19.8 18

1 12	10 32.06	+ 8 23.2	1.395	2.198	18.6	19.4
1 22	10 29.66	+ 8 27.1	1.302	2.184	14.9	19.1
2 1	10 24.16	+ 8 48.7	1.229	2.169	10.4	18.8
2 11	10 16.13	+ 9 24.8	1.179	2.155	5.1	18.4
2 21	10 6.57	+10 9.7	1.154	2.142	0.9	18.1
3 2	9 56.94	+10 55.6	1.154	2.129	6.5	18.4
3 12	9 48.76	+11 34.9	1.180	2.117	12.0	18.7
3 22	9 43.18	+12 1.9	1.227	2.106	16.8	19.0

156510 2002 CF_{171} 2 19.4 357°.96 0°.7/18.7 18

1 12	10 28.07	+ 7 33.1	1.694	2.489	16.2	19.2
1 22	10 25.83	+ 8 43.1	1.609	2.487	12.7	19.0
2 1	10 21.14	+10 13.6	1.545	2.486	8.6	18.7
2 11	10 14.54	+11 58.6	1.507	2.485	3.9	18.4
2 21	10 6.89	+13 49.1	1.497	2.485	1.4	18.2
3 2	9 59.30	+15 35.0	1.516	2.485	6.1	18.6
3 12	9 52.89	+17 7.2	1.561	2.486	10.6	18.8
3 22	9 48.52	+18 19.8	1.630	2.487	14.5	19.1

399812 2005 SB_{108} 2 19.4 82°.30 1°.7/20.6 18

1 12	10 36.31	+ 4 42.2	1.403	2.186	19.5	21.4
1 22	10 32.53	+ 4 56.6	1.336	2.203	15.6	21.2
2 1	10 25.72	+ 5 32.3	1.288	2.220	10.9	21.0
2 11	10 16.66	+ 6 25.7	1.263	2.236	5.7	20.7
2 21	10 6.51	+ 7 29.8	1.265	2.253	1.7	20.5
3 2	9 56.70	+ 8 36.1	1.294	2.269	6.0	20.8
3 12	9 48.59	+ 9 36.1	1.349	2.285	10.9	21.1
3 22	9 43.09	+10 23.8	1.426	2.301	15.2	21.4

229210 2004 VJ_{52} 2 19.4 355°.50 4°.1/15.8 18

1 12	10 31.63	+18 49.5	1.808	2.620	14.7	19.7
1 22	10 28.52	+19 55.4	1.730	2.618	11.4	19.5
2 1	10 22.89	+21 9.3	1.674	2.617	7.8	19.3
2 11	10 15.33	+22 23.6	1.644	2.617	4.7	19.1
2 21	10 6.76	+23 29.8	1.642	2.616	4.8	19.1
3 2	9 58.30	+24 20.6	1.668	2.616	8.0	19.3
3 12	9 51.12	+24 51.4	1.719	2.616	11.6	19.5
3 22	9 46.04	+25 1.5	1.793	2.616	14.9	19.7

2020	α_{2000}	δ_{2000}	Δ	r	β	V
224005 2005 GP_{65}			2 19.4 168°.06		0°.4/19.7 18	
	h m	° ′			°	m
1 12	10 38.46	+ 7 23.3	1.704	2.477	17.0	22.1
1 22	10 33.90	+ 7 50.0	1.618	2.482	13.5	21.9
2 1	10 26.56	+ 8 33.8	1.554	2.487	9.3	21.7
2 11	10 17.07	+ 9 30.4	1.515	2.490	4.5	21.4
2 21	10 6.44	+10 33.5	1.505	2.493	0.8	21.1
3 2	9 55.92	+11 35.3	1.523	2.495	5.7	21.5
3 12	9 46.79	+12 29.1	1.569	2.496	10.4	21.7
3 22	9 39.99	+13 10.1	1.639	2.496	14.4	22.0
420859 2013 KW			2 19.4 258°.55		4°.4/15.9 18	
1 12	10 36.28	+19 45.8	1.794	2.599	15.0	21.2
1 22	10 32.38	+20 43.7	1.701	2.585	11.8	20.9
2 1	10 25.68	+21 49.6	1.630	2.571	8.2	20.7
2 11	10 16.73	+22 55.7	1.585	2.556	5.0	20.5
2 21	10 6.49	+23 53.3	1.568	2.541	5.1	20.4
3 2	9 56.21	+24 34.7	1.579	2.526	8.4	20.6
3 12	9 47.23	+24 55.4	1.616	2.510	12.3	20.8
3 22	9 40.55	+24 54.6	1.674	2.494	15.9	21.0
456512 2006 XX_{62}			2 19.4 314°.18		7°.5/12.4 16	
1 12	10 29.96	+23 37.2	1.544	2.374	15.8	20.7
1 22	10 28.08	+25 28.9	1.455	2.351	12.6	20.4
2 1	10 23.16	+27 30.8	1.388	2.328	9.4	20.2
2 11	10 15.70	+29 31.0	1.346	2.306	7.5	20.0
2 21	10 6.66	+31 16.1	1.331	2.284	8.7	20.0
3 2	9 57.46	+32 34.5	1.341	2.263	12.0	20.1
3 12	9 49.64	+33 19.9	1.373	2.242	15.8	20.3
3 22	9 44.39	+33 31.8	1.425	2.222	19.3	20.5
8566 1996 EN			2 19.4 258°.49		8°.9/25.9 18	
1 12	10 44.78	−17 43.2	1.298	1.964	26.2	19.5
1 22	10 41.28	−16 53.6	1.159	1.930	23.6	19.2
2 1	10 33.47	−15 2.6	1.033	1.893	19.8	18.7
2 11	10 21.31	−11 51.9	0.926	1.853	14.8	18.3
2 21	10 5.45	− 7 10.0	0.845	1.810	9.8	17.9
3 2	9 47.65	− 1 5.0	0.795	1.765	10.0	17.7
3 12	9 30.47	+ 5 46.0	0.781	1.716	16.7	17.8
3 22	9 16.38	+12 31.6	0.797	1.664	24.6	18.1
454766 2014 WF_{228}			2 19.4 165°.62		0°.7/20.1 18	
1 12	10 34.86	+ 7 7.8	2.070	2.836	14.6	22.0
1 22	10 30.57	+ 7 23.6	1.980	2.839	11.6	21.8
2 1	10 24.03	+ 7 53.0	1.912	2.842	8.0	21.5
2 11	10 15.81	+ 8 32.9	1.871	2.845	4.0	21.3
2 21	10 6.69	+ 9 18.8	1.859	2.847	0.9	21.1
3 2	9 57.67	+10 5.2	1.877	2.849	4.7	21.3
3 12	9 49.73	+10 46.9	1.923	2.851	8.7	21.6
3 22	9 43.63	+11 20.1	1.994	2.852	12.2	21.8
186887 2004 JM_{29}			2 19.4 229°.49		4°.9/24.1 17	
1 12	10 32.18	− 5 34.2	2.264	2.970	15.2	21.3
1 22	10 28.45	− 5 42.5	2.154	2.960	12.8	21.1
2 1	10 22.64	− 5 30.9	2.064	2.949	10.1	20.9
2 11	10 15.20	− 4 58.9	1.999	2.938	7.1	20.7
2 21	10 6.79	− 4 8.0	1.960	2.926	5.1	20.5
3 2	9 58.31	− 3 2.2	1.951	2.914	5.7	20.5
3 12	9 50.68	− 1 47.6	1.971	2.901	8.4	20.7
3 22	9 44.65	− 0 31.2	2.017	2.888	11.5	20.8
377170 2003 TO_{37}			2 19.4 148°.34		4°.6/23.9 18	
1 12	10 31.67	− 4 34.7	2.347	3.057	14.6	21.5
1 22	10 27.84	− 4 49.3	2.252	3.062	12.2	21.3
2 1	10 22.07	− 4 46.0	2.178	3.066	9.5	21.1
2 11	10 14.86	− 4 24.6	2.129	3.070	6.7	21.0
2 21	10 6.87	− 3 47.0	2.107	3.073	4.7	20.9
3 2	9 58.94	− 2 56.7	2.114	3.077	5.3	20.9
3 12	9 51.90	− 1 59.1	2.150	3.080	7.8	21.1
3 22	9 46.40	− 1 0.0	2.212	3.083	10.6	21.2
417769 2007 DF_{110}			2 19.4 342°.44		8°.1/13.3 18	
1 12	10 36.75	+29 8.0	1.628	2.446	15.7	20.4
1 22	10 33.05	+30 19.0	1.557	2.441	12.7	20.2
2 1	10 26.21	+31 28.6	1.508	2.437	9.8	20.0
2 11	10 16.96	+32 26.1	1.484	2.433	8.1	19.9
2 21	10 6.48	+33 1.9	1.485	2.429	8.8	19.9
3 2	9 56.27	+33 9.9	1.511	2.426	11.4	20.0
3 12	9 47.77	+32 48.8	1.561	2.424	14.6	20.2
3 22	9 41.95	+32 2.0	1.631	2.422	17.5	20.4
412213 2013 GD_{113}			2 19.4 329°.55		4°.0/16.8 15	
1 12	10 31.70	+16 38.2	1.299	2.127	18.3	21.3
1 22	10 29.66	+17 27.3	1.216	2.115	14.4	21.0
2 1	10 24.30	+18 29.9	1.154	2.103	9.8	20.7
2 11	10 16.23	+19 37.4	1.114	2.091	5.2	20.4
2 21	10 6.60	+20 39.3	1.099	2.080	4.7	20.3
3 2	9 57.00	+21 25.4	1.110	2.071	9.2	20.5
3 12	9 49.07	+21 49.1	1.143	2.062	14.2	20.8
3 22	9 43.99	+21 48.6	1.196	2.053	18.6	21.0

2020	α_{2000}	δ_{2000}	Δ	r	β	V
359051 2008 YE_{10}			2 19.4 48°.95		4°.1/22.1 18	
	h m	° ′			°	m
1 12	10 34.08	+ 0 53.8	1.387	2.161	20.2	21.6
1 22	10 30.95	+ 0 35.3	1.312	2.169	16.5	21.4
2 1	10 24.80	+ 0 40.1	1.255	2.176	12.1	21.1
2 11	10 16.32	+ 1 7.6	1.221	2.185	7.4	20.9
2 21	10 6.61	+ 1 53.9	1.211	2.193	4.1	20.7
3 2	9 57.11	+ 2 51.8	1.228	2.202	6.4	20.8
3 12	9 49.21	+ 3 52.5	1.269	2.211	10.9	21.1
3 22	9 43.88	+ 4 47.9	1.334	2.220	15.2	21.4
432069 2008 YU_{96}			2 19.4 333°.63		5°.1/14.0 18	
1 12	10 27.98	+20 0.6	1.867	2.685	14.0	20.1
1 22	10 25.76	+21 41.1	1.781	2.674	10.9	19.9
2 1	10 21.12	+23 31.2	1.721	2.664	7.6	19.7
2 11	10 14.57	+25 22.0	1.687	2.654	5.3	19.5
2 21	10 6.93	+27 3.3	1.681	2.645	6.0	19.5
3 2	9 59.29	+28 26.1	1.702	2.636	9.0	19.7
3 12	9 52.76	+29 24.7	1.749	2.628	12.4	19.9
3 22	9 48.21	+29 57.6	1.817	2.620	15.5	20.0
363761 2005 CF_{37}			2 19.4 311°.43		2°.4/17.9 18	
1 12	10 33.30	+14 14.4	1.434	2.249	17.7	20.7
1 22	10 30.65	+14 44.7	1.342	2.232	13.9	20.4
2 1	10 24.85	+15 28.5	1.270	2.216	9.4	20.1
2 11	10 16.47	+16 19.8	1.222	2.201	4.5	19.7
2 21	10 6.57	+17 10.2	1.200	2.185	2.9	19.6
3 2	9 56.59	+17 51.1	1.204	2.171	7.8	19.8
3 12	9 48.11	+18 15.9	1.232	2.156	12.9	20.1
3 22	9 42.26	+18 21.8	1.282	2.143	17.4	20.3
22407 1995 SK_{2}			2 19.4 154°.84		0°.6/18.9 18	
1 12	10 37.24	+10 47.3	2.076	2.849	14.4	20.1
1 22	10 32.39	+11 13.2	1.991	2.857	11.3	19.9
2 1	10 25.23	+11 50.1	1.929	2.864	7.6	19.7
2 11	10 16.36	+12 33.9	1.894	2.871	3.5	19.4
2 21	10 6.62	+13 19.3	1.889	2.877	1.0	19.2
3 2	9 57.04	+14 0.7	1.914	2.883	5.1	19.5
3 12	9 48.62	+14 33.6	1.968	2.888	9.0	19.8
3 22	9 42.10	+14 55.2	2.047	2.892	12.5	20.0
463711 2014 QO_{171}			2 19.4 67°.23		3°.5/22.7 18	
1 12	10 30.52	− 2 38.8	1.629	2.381	18.5	21.1
1 22	10 27.68	− 2 1.8	1.553	2.395	15.2	20.9
2 1	10 22.32	− 0 57.4	1.496	2.409	11.2	20.7
2 11	10 15.07	+ 0 31.9	1.462	2.423	6.8	20.5
2 21	10 6.87	+ 2 19.5	1.456	2.438	3.6	20.3
3 2	9 58.86	+ 4 15.6	1.478	2.452	5.4	20.4
3 12	9 52.16	+ 6 9.5	1.527	2.467	9.5	20.7
3 22	9 47.59	+ 7 51.9	1.601	2.481	13.5	21.0
348875 2006 SP_{201}			2 19.4 185°.11		2°.7/22.6 17	
1 12	10 29.44	− 0 37.2	2.717	3.443	12.5	22.2
1 22	10 25.85	− 0 27.6	2.616	3.443	10.2	22.0
2 1	10 20.62	− 0 3.3	2.538	3.443	7.6	21.8
2 11	10 14.17	+ 0 34.6	2.486	3.442	4.8	21.7
2 21	10 7.06	+ 1 23.5	2.463	3.441	2.8	21.5
3 2	9 59.98	+ 2 19.4	2.470	3.440	4.0	21.6
3 12	9 53.63	+ 3 17.7	2.507	3.439	6.7	21.8
3 22	9 48.56	+ 4 13.8	2.570	3.438	9.5	22.0
233022 2005 EG_{261}			2 19.4 68°.87		4°.1/16.0 18	
1 12	10 36.09	+21 57.4	2.066	2.866	13.5	20.0
1 22	10 31.55	+22 36.3	1.994	2.875	10.5	19.9
2 1	10 24.67	+23 17.8	1.945	2.883	7.3	19.7
2 11	10 16.09	+23 55.4	1.924	2.892	4.6	19.5
2 21	10 6.71	+24 23.1	1.931	2.901	4.6	19.5
3 2	9 57.61	+24 36.3	1.966	2.910	7.2	19.7
3 12	9 49.78	+24 33.0	2.029	2.919	10.4	19.9
3 22	9 43.94	+24 13.8	2.115	2.928	13.3	20.1
142806 2002 UJ_{29}			2 19.4 108°.32		6°.7/25.1 18	R
1 12	10 36.04	− 7 58.6	2.001	2.695	17.2	19.1
1 22	10 31.52	− 8 42.1	1.919	2.711	14.7	18.9
2 1	10 24.69	− 9 4.2	1.857	2.727	11.8	18.7
2 11	10 16.14	− 9 3.2	1.818	2.742	8.9	18.6
2 21	10 6.71	− 8 39.6	1.805	2.757	6.9	18.5
3 2	9 57.43	− 7 56.9	1.820	2.771	7.2	18.5
3 12	9 49.32	− 7 1.2	1.863	2.785	9.3	18.7
3 22	9 43.12	− 5 59.8	1.930	2.798	12.1	18.9
98633 2000 WG_{108}			2 19.4 29°.00		3°.6/16.7 18	
1 12	10 32.74	+15 4.4	1.452	2.268	17.4	19.4
1 22	10 29.95	+16 15.4	1.379	2.271	13.5	19.2
2 1	10 24.17	+17 40.7	1.327	2.273	9.0	18.9
2 11	10 16.06	+19 11.4	1.300	2.276	4.7	18.7
2 21	10 6.72	+20 36.6	1.299	2.280	4.3	18.6
3 2	9 57.56	+21 46.3	1.325	2.283	8.4	18.9
3 12	9 49.98	+22 33.9	1.376	2.287	12.8	19.1
3 22	9 44.94	+22 57.5	1.448	2.291	16.8	19.4

104572 2000 GG_{78} 2 19.4 129.°42 3.°3/22.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 12	10 30.31	− 1 52.8	2.424	3.149	13.8	20.2
1 22	10 26.71	− 1 48.1	2.330	3.155	11.4	20.0
2 1	10 21.28	− 1 26.6	2.259	3.160	8.5	19.9
2 11	10 14.51	− 0 49.2	2.213	3.166	5.5	19.7
2 21	10 7.03	+ 0 1.4	2.195	3.171	3.4	19.5
3 2	9 59.62	+ 1 0.8	2.207	3.176	4.5	19.6
3 12	9 53.06	+ 2 3.5	2.248	3.182	7.3	19.8
3 22	9 47.95	+ 3 4.3	2.316	3.186	10.2	20.0

258297 2001 UO_{95} 2 19.4 82.°64 6.°1/14.8 18

1 12	10 40.17	+25 59.6	1.816	2.620	14.9	20.5
1 22	10 35.00	+26 57.4	1.759	2.638	11.8	20.3
2 1	10 27.09	+27 54.5	1.725	2.657	8.6	20.2
2 11	10 17.23	+28 42.3	1.717	2.675	6.3	20.1
2 21	10 6.54	+29 13.2	1.737	2.693	6.6	20.2
3 2	9 56.32	+29 22.6	1.784	2.711	9.1	20.3
3 12	9 47.74	+29 9.8	1.857	2.729	12.1	20.6
3 22	9 41.57	+28 37.1	1.952	2.747	14.9	20.8

72352 2001 BK_{72} 2 19.4 294.°66 3.°8/15.4 18 R

1 12	10 29.94	+16 59.8	1.986	2.792	13.7	18.5
1 22	10 27.11	+18 28.3	1.895	2.782	10.7	18.3
2 1	10 21.96	+20 8.2	1.828	2.771	7.2	18.1
2 11	10 14.97	+21 51.9	1.789	2.761	4.3	17.8
2 21	10 6.94	+23 30.2	1.778	2.751	4.5	17.8
3 2	9 58.86	+24 54.6	1.796	2.741	7.7	18.0
3 12	9 51.83	+25 59.0	1.841	2.731	11.3	18.2
3 22	9 46.67	+26 41.0	1.908	2.721	14.5	18.4

255923 2006 SE_{367} 2 19.4 59.°58 0.°0/19.5 18

1 12	10 42.53	+12 30.0	1.588	2.374	17.5	19.9
1 22	10 37.03	+12 4.4	1.517	2.389	13.8	19.7
2 1	10 28.58	+11 47.7	1.467	2.403	9.3	19.5
2 11	10 17.98	+11 36.4	1.442	2.419	4.4	19.2
2 21	10 6.42	+11 26.9	1.446	2.434	0.8	19.0
3 2	9 55.28	+11 15.4	1.478	2.449	5.8	19.4
3 12	9 45.88	+10 59.2	1.537	2.465	10.4	19.7
3 22	9 39.05	+10 36.9	1.620	2.481	14.4	19.9

160504 2007 HX_{37} 2 19.4 8.°22 0.°8/19.9 18

1 12	10 30.52	+ 5 57.5	1.209	2.019	20.6	20.7
1 22	10 28.69	+ 6 26.8	1.135	2.019	16.4	20.4
2 1	10 23.59	+ 7 21.2	1.079	2.020	11.4	20.1
2 11	10 15.89	+ 8 36.1	1.045	2.021	5.6	19.8
2 21	10 6.77	+10 2.5	1.035	2.023	1.0	19.5
3 2	9 57.80	+11 29.1	1.050	2.026	6.8	19.9
3 12	9 50.55	+12 44.5	1.090	2.030	12.4	20.2
3 22	9 46.11	+13 41.7	1.150	2.034	17.3	20.5

232768 2004 PY_{40} 2 19.4 193.°69 2.°0/17.8 18

1 12	10 39.63	+14 55.8	2.099	2.878	14.0	21.1
1 22	10 34.40	+15 31.2	2.006	2.876	11.0	20.9
2 1	10 26.72	+16 15.2	1.935	2.873	7.4	20.7
2 11	10 17.15	+17 2.6	1.893	2.869	3.6	20.4
2 21	10 6.55	+17 47.3	1.880	2.864	2.4	20.3
3 2	9 56.02	+18 23.6	1.898	2.858	6.0	20.5
3 12	9 46.65	+18 47.3	1.944	2.851	9.9	20.8
3 22	9 39.27	+18 56.8	2.015	2.844	13.3	21.0

493008 2014 SH_{211} 2 19.4 154.°22 6.°5/12.9 18

1 12	10 38.70	+28 35.3	2.222	3.019	12.8	22.2
1 22	10 33.64	+29 56.7	2.155	3.027	10.3	22.0
2 1	10 26.14	+31 16.8	2.112	3.034	7.9	21.9
2 11	10 16.83	+32 27.4	2.097	3.041	6.5	21.8
2 21	10 6.63	+33 20.8	2.111	3.048	7.1	21.9
3 2	9 56.64	+33 52.0	2.152	3.054	9.2	22.0
3 12	9 47.94	+33 59.7	2.219	3.059	11.7	22.2
3 22	9 41.30	+33 45.5	2.308	3.063	14.0	22.3

385027 2012 TJ_{289} 2 19.4 78.°23 1.°2/20.6 17

1 12	10 33.10	+ 6 39.9	2.348	3.108	13.3	21.3
1 22	10 28.87	+ 6 36.5	2.262	3.117	10.5	21.1
2 1	10 22.72	+ 6 44.2	2.200	3.126	7.3	20.9
2 11	10 15.18	+ 7 0.8	2.164	3.136	3.8	20.7
2 21	10 6.95	+ 7 23.4	2.158	3.145	1.2	20.5
3 2	9 58.86	+ 7 48.1	2.181	3.154	4.1	20.8
3 12	9 51.73	+ 8 11.1	2.234	3.164	7.5	21.0
3 22	9 46.17	+ 8 29.4	2.312	3.173	10.6	21.2

374087 2004 RQ_{207} 2 19.5 231.°70 5.°4/24.9 17

1 12	10 32.75	− 8 0.9	2.556	3.237	14.2	21.9
1 22	10 28.71	− 8 18.0	2.438	3.223	12.2	21.7
2 1	10 22.75	− 8 16.7	2.341	3.208	9.8	21.5
2 11	10 15.28	− 7 56.0	2.268	3.193	7.3	21.3
2 21	10 6.92	− 7 16.5	2.222	3.176	5.6	21.2
3 2	9 58.44	− 6 20.9	2.206	3.160	5.9	21.2
3 12	9 50.69	− 5 14.4	2.219	3.142	8.0	21.3
3 22	9 44.36	− 4 3.0	2.259	3.124	10.7	21.4

161222 2002 XO_5 2 19.5 94.°38 1.°0/18.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 12	10 33.64	+12 14.1	2.527	3.300	12.1	20.7
1 22	10 29.06	+12 52.0	2.459	3.326	9.3	20.6
2 1	10 22.70	+13 37.9	2.415	3.352	6.2	20.4
2 11	10 15.12	+14 27.7	2.400	3.377	2.8	20.2
2 21	10 6.98	+15 16.6	2.415	3.402	1.4	20.2
3 2	9 59.08	+16 0.1	2.461	3.426	4.5	20.4
3 12	9 52.14	+16 34.8	2.537	3.450	7.6	20.7
3 22	9 46.71	+16 58.8	2.638	3.473	10.3	20.9

28311 1999 CY_{90} 2 19.5 62.°84 4.°8/15.1 18

1 12	10 32.34	+18 32.6	1.689	2.503	15.4	18.8
1 22	10 29.26	+20 7.1	1.619	2.510	11.9	18.6
2 1	10 23.50	+21 51.3	1.573	2.516	8.2	18.4
2 11	10 15.70	+23 35.7	1.553	2.523	5.2	18.2
2 21	10 6.85	+25 9.6	1.560	2.530	5.6	18.2
3 2	9 58.18	+26 24.0	1.595	2.537	8.8	18.4
3 12	9 50.89	+27 13.9	1.656	2.544	12.4	18.7
3 22	9 45.84	+27 38.6	1.738	2.551	15.7	18.9

341421 2007 TW_{201} 2 19.5 118.°72 0.°4/19.8 18

1 12	10 31.24	+ 7 44.9	2.478	3.242	12.5	21.6
1 22	10 27.36	+ 8 10.5	2.392	3.251	9.9	21.4
2 1	10 21.69	+ 8 47.5	2.330	3.260	6.7	21.2
2 11	10 14.70	+ 9 32.7	2.295	3.269	3.2	21.0
2 21	10 7.06	+10 22.0	2.289	3.278	0.6	20.8
3 2	9 59.53	+11 10.6	2.315	3.286	4.1	21.1
3 12	9 52.88	+11 54.2	2.369	3.294	7.4	21.3
3 22	9 47.69	+12 29.6	2.449	3.302	10.4	21.5

268112 2004 SW_{61} 2 19.5 157.°78 1.°4/18.3 17

1 12	10 34.88	+13 42.3	2.115	2.900	13.7	21.1
1 22	10 30.59	+14 7.3	2.029	2.903	10.7	20.9
2 1	10 24.07	+14 41.0	1.966	2.905	7.2	20.7
2 11	10 15.88	+15 18.9	1.930	2.907	3.3	20.5
2 21	10 6.84	+15 55.7	1.923	2.909	1.8	20.4
3 2	9 57.93	+16 26.4	1.945	2.910	5.4	20.6
3 12	9 50.13	+16 47.2	1.996	2.912	9.2	20.8
3 22	9 44.15	+16 56.0	2.071	2.913	12.4	21.0

275133 2009 VJ_{69} 2 19.5 71.°36 5.°5/14.7 18

1 12	10 35.78	+23 49.7	1.884	2.692	14.3	20.0
1 22	10 31.56	+24 57.9	1.824	2.708	11.2	19.9
2 1	10 24.81	+26 8.1	1.787	2.724	8.0	19.7
2 11	10 16.22	+27 11.8	1.777	2.739	5.7	19.6
2 21	10 6.80	+28 1.2	1.795	2.755	6.1	19.6
3 2	9 57.71	+28 30.8	1.840	2.770	8.7	19.8
3 12	9 50.05	+28 38.6	1.910	2.786	11.7	20.0
3 22	9 44.55	+28 26.0	2.003	2.801	14.4	20.3

225271 2009 SO_{61} 2 19.5 56.°34 2.°2/21.2 18

1 12	10 33.26	+ 4 5.9	1.807	2.575	16.4	20.7
1 22	10 29.61	+ 4 3.0	1.727	2.583	13.2	20.5
2 1	10 23.55	+ 4 16.6	1.667	2.592	9.4	20.3
2 11	10 15.68	+ 4 44.9	1.631	2.600	5.2	20.1
2 21	10 6.89	+ 5 23.7	1.624	2.609	2.2	19.9
3 2	9 58.27	+ 6 7.5	1.644	2.618	5.0	20.1
3 12	9 50.88	+ 6 50.4	1.692	2.628	9.1	20.3
3 22	9 45.51	+ 7 27.3	1.764	2.637	12.8	20.6

500382 2012 TN_{68} 2 19.5 129.°95 0.°1/19.6 17

1 12	10 31.46	+ 8 48.0	2.783	3.544	11.4	22.9
1 22	10 27.31	+ 9 11.7	2.697	3.555	8.9	22.7
2 1	10 21.54	+ 9 44.8	2.635	3.566	6.0	22.5
2 11	10 14.61	+10 24.2	2.602	3.577	2.9	22.3
2 21	10 7.11	+11 6.5	2.599	3.587	0.5	22.1
3 2	9 59.72	+11 47.5	2.627	3.597	3.7	22.4
3 12	9 53.11	+12 23.8	2.684	3.607	6.8	22.6
3 22	9 47.82	+12 52.7	2.769	3.616	9.5	22.8

243777 2000 SJ 2 19.5 102.°98 3.°8/23.7 18

1 12	10 29.73	− 3 46.9	2.551	3.263	13.5	20.7
1 22	10 26.16	− 3 47.5	2.459	3.273	11.2	20.5
2 1	10 20.88	− 3 31.2	2.390	3.282	8.6	20.4
2 11	10 14.34	− 2 58.7	2.346	3.291	5.8	20.2
2 21	10 7.16	− 2 12.3	2.329	3.300	3.9	20.1
3 2	10 0.07	− 1 15.9	2.343	3.309	4.6	20.1
3 12	9 53.78	− 0 14.6	2.385	3.317	7.0	20.3
3 22	9 48.86	+ 0 46.5	2.454	3.326	9.7	20.5

112157 2002 JK_{75} 2 19.5 223.°45 1.°4/18.3 17

1 12	10 36.62	+12 48.5	2.116	2.895	13.9	21.0
1 22	10 32.13	+13 23.4	2.014	2.884	10.9	20.8
2 1	10 25.27	+14 8.9	1.936	2.873	7.4	20.6
2 11	10 16.54	+15 0.6	1.884	2.861	3.4	20.3
2 21	10 6.75	+15 52.5	1.862	2.848	1.8	20.1
3 2	9 56.91	+16 38.5	1.870	2.835	5.7	20.4
3 12	9 48.11	+17 13.8	1.907	2.821	9.6	20.6
3 22	9 41.17	+17 35.7	1.968	2.806	13.2	20.8

63058 2000 WC_{112} 2 19.5 317°.29 3°.7/22.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 12	10 33.34	+ 1 11.3	1.896	2.647	16.3	19.3
1 22	10 29.72	+ 0 45.3	1.799	2.642	13.4	19.1
2 1	10 23.70	+ 0 35.7	1.724	2.637	9.9	18.8
2 11	10 15.81	+ 0 42.6	1.673	2.633	6.3	18.6
2 21	10 6.88	+ 1 3.8	1.649	2.628	3.8	18.4
3 2	9 57.96	+ 1 35.4	1.653	2.624	5.5	18.5
3 12	9 50.13	+ 2 11.9	1.684	2.620	9.1	18.7
3 22	9 44.23	+ 2 47.8	1.740	2.616	12.8	18.9

239680 2008 YM_{57} 2 19.5 45°.89 0°.4/19.1 18

1 12	10 32.51	+10 49.9	2.080	2.863	14.0	20.6
1 22	10 28.74	+11 7.0	1.997	2.869	11.0	20.4
2 1	10 22.82	+11 34.6	1.937	2.875	7.4	20.2
2 11	10 15.31	+12 9.0	1.904	2.881	3.4	19.9
2 21	10 7.00	+12 45.4	1.899	2.887	0.9	19.7
3 2	9 58.84	+13 19.0	1.923	2.894	4.9	20.0
3 12	9 51.77	+13 45.3	1.975	2.900	8.7	20.3
3 22	9 46.46	+14 1.7	2.052	2.907	12.0	20.5

329786 2004 PF_{17} 2 19.5 166°.45 0°.4/19.9 18

1 12	10 32.36	+ 6 36.1	2.489	3.247	12.7	22.2
1 22	10 28.29	+ 7 16.8	2.396	3.252	10.0	22.0
2 1	10 22.37	+ 8 10.5	2.327	3.256	6.8	21.8
2 11	10 15.07	+ 9 13.9	2.286	3.260	3.3	21.6
2 21	10 7.06	+10 22.3	2.274	3.263	0.6	21.4
3 2	9 59.10	+11 30.1	2.294	3.265	4.1	21.6
3 12	9 51.99	+12 32.2	2.344	3.268	7.6	21.9
3 22	9 46.35	+13 24.8	2.420	3.269	10.6	22.1

76263 2000 EY_{104} 2 19.5 16°.22 5°.9/14.0 18

1 12	10 34.82	+26 14.9	2.050	2.857	13.3	19.0
1 22	10 30.81	+27 18.5	1.977	2.858	10.6	18.8
2 1	10 24.36	+28 22.7	1.927	2.859	7.8	18.7
2 11	10 16.08	+29 19.4	1.904	2.860	6.0	18.6
2 21	10 6.89	+30 1.5	1.909	2.861	6.5	18.6
3 2	9 57.90	+30 23.7	1.941	2.863	8.9	18.7
3 12	9 50.18	+30 24.1	1.998	2.864	11.7	18.9
3 22	9 44.50	+30 3.9	2.078	2.866	14.4	19.1

204690 2006 DC_{210} 2 19.5 204°.66 1°.1/18.6 18

1 12	10 37.79	+12 8.4	2.061	2.837	14.3	21.3
1 22	10 33.06	+12 38.7	1.963	2.832	11.3	21.1
2 1	10 25.90	+13 20.0	1.889	2.826	7.6	20.9
2 11	10 16.85	+14 7.7	1.842	2.819	3.5	20.6
2 21	10 6.76	+14 56.1	1.825	2.812	1.5	20.5
3 2	9 56.67	+15 39.2	1.838	2.804	5.6	20.7
3 12	9 47.70	+16 12.2	1.878	2.795	9.6	20.9
3 22	9 40.67	+16 32.4	1.944	2.785	13.2	21.1

146392 2001 QJ_{114} 2 19.5 136°.16 1°.9/20.8 18

1 12	10 39.08	+ 6 11.0	2.035	2.789	15.2	20.1
1 22	10 33.87	+ 5 50.2	1.947	2.797	12.2	19.9
2 1	10 26.30	+ 5 41.3	1.882	2.805	8.6	19.7
2 11	10 16.97	+ 5 42.9	1.843	2.812	4.7	19.5
2 21	10 6.75	+ 5 52.1	1.833	2.819	1.9	19.3
3 2	9 56.68	+ 6 5.3	1.853	2.825	4.8	19.5
3 12	9 47.81	+ 6 18.6	1.902	2.832	8.7	19.7
3 22	9 40.90	+ 6 28.6	1.976	2.837	12.1	20.0

93608 2000 UR_{61} 2 19.5 48°.08 5°.5/23.9 18

1 12	10 32.36	− 3 58.9	1.688	2.427	18.5	19.0
1 22	10 29.03	− 4 25.4	1.615	2.443	15.4	18.8
2 1	10 23.22	− 4 28.7	1.561	2.460	11.9	18.6
2 11	10 15.57	− 4 8.6	1.530	2.477	8.2	18.5
2 21	10 7.01	− 3 27.5	1.525	2.494	5.7	18.4
3 2	9 58.67	− 2 30.7	1.546	2.512	6.4	18.4
3 12	9 51.65	− 1 26.2	1.594	2.530	9.5	18.7
3 22	9 46.72	− 0 21.5	1.665	2.548	12.9	18.9

468580 2007 JJ_{9} 2 19.5 280°.26 4°.9/14.7 17

1 12	10 34.04	+21 32.1	2.068	2.871	13.4	21.4
1 22	10 30.47	+22 44.6	1.962	2.845	10.6	21.2
2 1	10 24.38	+24 4.5	1.880	2.819	7.5	21.0
2 11	10 16.25	+25 24.2	1.826	2.792	5.1	20.8
2 21	10 6.86	+26 35.3	1.800	2.765	5.6	20.7
3 2	9 57.29	+27 30.1	1.803	2.737	8.5	20.9
3 12	9 48.73	+28 3.9	1.831	2.710	12.0	21.0
3 22	9 42.12	+28 15.3	1.882	2.682	15.2	21.2

86962 2000 JN_{2} 2 19.5 227°.14 6°.0/25.3 18

1 12	10 33.58	− 9 55.7	2.092	2.776	16.9	20.4
1 22	10 29.86	− 9 44.0	1.976	2.763	14.5	20.2
2 1	10 23.84	− 9 5.7	1.880	2.749	11.7	20.0
2 11	10 15.95	− 7 59.2	1.806	2.735	8.6	19.8
2 21	10 6.92	− 6 26.4	1.760	2.720	6.3	19.6
3 2	9 57.74	− 4 32.5	1.743	2.703	6.5	19.6
3 12	9 49.47	− 2 26.7	1.756	2.686	9.2	19.7
3 22	9 42.97	− 0 19.2	1.795	2.669	12.6	19.8

93519 2000 TV_{63} 2 19.5 234°.46 4°.6/15.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 12	10 39.62	+23 26.0	2.068	2.863	13.7	20.1
1 22	10 34.54	+24 1.1	1.980	2.857	10.8	19.9
2 1	10 26.90	+24 37.9	1.915	2.850	7.6	19.7
2 11	10 17.30	+25 9.7	1.877	2.843	5.0	19.6
2 21	10 6.70	+25 30.1	1.868	2.835	5.1	19.5
3 2	9 56.23	+25 34.4	1.888	2.828	7.8	19.7
3 12	9 47.06	+25 20.6	1.934	2.820	11.1	19.9
3 22	9 40.00	+24 49.7	2.004	2.812	14.1	20.1

124162 2001 OQ_{13} 2 19.5 147°.41 1°.7/17.9 18

1 12	10 37.92	+12 8.6	2.005	2.783	14.6	21.2
1 22	10 33.05	+13 7.2	1.926	2.796	11.4	21.0
2 1	10 25.79	+14 17.8	1.870	2.808	7.6	20.7
2 11	10 16.75	+15 34.4	1.843	2.819	3.5	20.5
2 21	10 6.80	+16 49.7	1.845	2.830	2.2	20.4
3 2	9 57.03	+17 56.4	1.877	2.839	5.9	20.7
3 12	9 48.48	+18 49.2	1.938	2.848	9.8	20.9
3 22	9 41.93	+19 25.7	2.024	2.855	13.1	21.2

217105 2001 XS_{95} 2 19.5 169°.13 1°.6/21.3 18

1 12	10 34.70	+ 3 19.3	2.823	3.554	11.9	22.0
1 22	10 29.84	+ 3 32.4	2.725	3.560	9.6	21.9
2 1	10 23.29	+ 3 57.4	2.651	3.565	6.8	21.7
2 11	10 15.49	+ 4 32.7	2.604	3.570	3.8	21.5
2 21	10 7.04	+ 5 15.2	2.588	3.573	1.6	21.3
3 2	9 58.65	+ 6 1.2	2.604	3.576	3.7	21.5
3 12	9 51.02	+ 6 46.6	2.651	3.578	6.7	21.7
3 22	9 44.74	+ 7 27.7	2.725	3.579	9.4	21.9

21118 Hezimmermann 2 19.5 78°.08 0°.4/19.2 18

1 12	10 38.16	+10 7.2	1.551	2.341	17.7	19.4
1 22	10 33.68	+10 29.4	1.488	2.363	13.8	19.2
2 1	10 26.38	+11 5.8	1.446	2.385	9.3	19.0
2 11	10 17.04	+11 51.3	1.429	2.406	4.3	18.8
2 21	10 6.78	+12 38.9	1.440	2.428	1.0	18.6
3 2	9 56.95	+13 21.6	1.478	2.449	6.0	19.0
3 12	9 48.75	+13 53.9	1.543	2.471	10.5	19.3
3 22	9 43.00	+14 13.1	1.632	2.491	14.4	19.6

496438 2014 NS_{2} 2 19.5 226°.29 5°.2/23.4 17

1 12	10 37.36	− 3 52.7	2.086	2.797	16.2	22.2
1 22	10 32.81	− 4 20.3	1.974	2.785	13.7	22.0
2 1	10 25.84	− 4 29.5	1.882	2.771	10.7	21.8
2 11	10 16.90	− 4 18.9	1.814	2.756	7.5	21.5
2 21	10 6.77	− 3 49.5	1.774	2.741	5.3	21.4
3 2	9 56.47	− 3 4.3	1.762	2.725	6.2	21.4
3 12	9 47.11	− 2 9.2	1.779	2.707	9.3	21.5
3 22	9 39.60	− 1 10.8	1.822	2.689	12.7	21.7

276794 2004 NC_{23} 2 19.5 139°.26 2°.5/20.7 18

1 12	10 48.05	+ 7 25.3	1.756	2.508	17.4	20.2
1 22	10 41.26	+ 6 32.9	1.669	2.517	14.0	20.0
2 1	10 31.50	+ 5 50.5	1.604	2.525	9.9	19.8
2 11	10 19.49	+ 5 17.6	1.565	2.533	5.5	19.5
2 21	10 6.34	+ 4 52.6	1.555	2.540	2.5	19.4
3 2	9 53.43	+ 4 33.6	1.577	2.547	5.7	19.6
3 12	9 42.12	+ 4 17.5	1.627	2.554	10.1	19.8
3 22	9 33.34	+ 4 1.6	1.702	2.560	14.0	20.1

160108 2000 SY_{144} 2 19.5 206°.04 1°.9/18.0 18

1 12	10 39.11	+14 33.0	2.036	2.816	14.3	20.6
1 22	10 34.14	+15 4.0	1.940	2.811	11.2	20.4
2 1	10 26.66	+15 44.1	1.867	2.805	7.6	20.1
2 11	10 17.24	+16 28.1	1.821	2.798	3.6	19.9
2 21	10 6.73	+17 10.1	1.805	2.790	2.3	19.8
3 2	9 56.26	+17 44.3	1.819	2.781	6.0	20.0
3 12	9 46.95	+18 6.3	1.861	2.772	10.0	20.2
3 22	9 39.66	+18 14.4	1.927	2.762	13.6	20.4

362093 2009 BA_{180} 2 19.5 305°.76 1°.7/18.4 18

1 12	10 32.96	+12 8.4	1.426	2.236	18.0	21.1
1 22	10 30.42	+12 41.6	1.334	2.221	14.2	20.8
2 1	10 24.77	+13 31.1	1.262	2.207	9.6	20.5
2 11	10 16.56	+14 31.2	1.214	2.193	4.5	20.1
2 21	10 6.83	+15 33.6	1.192	2.179	2.3	19.9
3 2	9 57.03	+16 29.1	1.197	2.166	7.4	20.2
3 12	9 48.68	+17 9.9	1.225	2.153	12.6	20.5
3 22	9 42.94	+17 31.9	1.276	2.140	17.2	20.7

35524 1998 FK_{64} 2 19.5 85°.53 2°.0/21.4 18

1 12	10 32.40	+ 1 55.5	1.970	2.724	15.7	19.0
1 22	10 28.68	+ 2 25.2	1.896	2.744	12.6	18.8
2 1	10 22.79	+ 3 13.6	1.842	2.763	8.9	18.6
2 11	10 15.32	+ 4 17.6	1.815	2.782	5.0	18.4
2 21	10 7.10	+ 5 31.9	1.815	2.801	2.0	18.3
3 2	9 59.08	+ 6 49.7	1.846	2.820	4.6	18.5
3 12	9 52.20	+ 8 3.9	1.904	2.838	8.4	18.7
3 22	9 47.14	+ 9 9.0	1.989	2.856	11.8	19.0

253132 2002 VO_{23} 2 19.5 40°.47 3°.6/17.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 12	10 35.89	+16 47.8	1.306	2.127	18.7	20.1
1 22	10 32.42	+17 31.1	1.255	2.149	14.4	19.9
2 1	10 25.74	+18 24.0	1.224	2.171	9.6	19.7
2 11	10 16.78	+19 17.6	1.218	2.194	5.0	19.5
2 21	10 6.86	+20 2.7	1.236	2.218	4.1	19.5
3 2	9 57.52	+20 32.1	1.281	2.242	8.2	19.8
3 12	9 50.10	+20 42.0	1.350	2.267	12.5	20.1
3 22	9 45.44	+20 32.8	1.440	2.292	16.3	20.4

202896 1995 DD_{7} 2 19.5 32°.82 0°.3/19.2 18

1 12	10 32.15	+ 8 34.6	1.279	2.089	19.6	20.3
1 22	10 29.74	+ 9 8.8	1.211	2.097	15.5	20.1
2 1	10 24.17	+10 3.5	1.162	2.105	10.5	19.8
2 11	10 16.18	+11 12.8	1.136	2.114	4.9	19.5
2 21	10 6.95	+12 27.5	1.135	2.123	1.1	19.3
3 2	9 58.00	+13 37.5	1.160	2.133	6.8	19.7
3 12	9 50.77	+14 34.1	1.210	2.144	12.0	20.0
3 22	9 46.23	+15 12.4	1.280	2.155	16.5	20.3

122165 2000 KJ_{3} 2 19.5 242°.55 1°.9/17.7 17

1 12	10 34.59	+13 58.5	2.131	2.917	13.6	21.1
1 22	10 30.59	+14 42.2	2.028	2.903	10.7	20.8
2 1	10 24.28	+15 36.4	1.949	2.889	7.2	20.6
2 11	10 16.14	+16 36.1	1.897	2.874	3.5	20.3
2 21	10 6.95	+17 34.9	1.875	2.859	2.4	20.2
3 2	9 57.69	+18 26.5	1.882	2.843	6.0	20.4
3 12	9 49.42	+19 5.9	1.917	2.827	9.8	20.6
3 22	9 42.96	+19 30.3	1.976	2.810	13.3	20.8

384193 2009 BH_{117} 2 19.5 297°.24 1°.3/18.5 17

1 12	10 36.05	+15 10.7	2.231	3.014	13.2	21.2
1 22	10 31.52	+15 12.8	2.130	3.003	10.3	21.0
2 1	10 24.76	+15 20.6	2.053	2.991	7.0	20.8
2 11	10 16.31	+15 30.7	2.003	2.980	3.3	20.5
2 21	10 6.93	+15 39.0	1.983	2.969	1.7	20.4
3 2	9 57.60	+15 41.7	1.992	2.958	5.2	20.6
3 12	9 49.28	+15 36.1	2.029	2.947	8.9	20.8
3 22	9 42.74	+15 21.1	2.092	2.936	12.3	21.0

184036 2004 FL_{67} 2 19.5 283°.13 0°.2/19.3 17

1 12	10 32.20	+ 8 30.1	1.833	2.617	15.6	20.8
1 22	10 29.18	+ 9 5.4	1.722	2.594	12.4	20.5
2 1	10 23.61	+ 9 57.9	1.634	2.571	8.5	20.2
2 11	10 15.95	+11 3.7	1.570	2.547	4.0	19.9
2 21	10 6.97	+12 16.7	1.535	2.523	0.9	19.6
3 2	9 57.79	+13 29.1	1.528	2.499	5.8	19.9
3 12	9 49.62	+14 33.4	1.548	2.475	10.5	20.1
3 22	9 43.45	+15 23.9	1.592	2.451	14.7	20.3

340628 2006 QV_{124} 2 19.5 152°.54 2°.5/22.3 17

1 12	10 31.75	+ 0 36.9	2.862	3.585	11.9	22.0
1 22	10 27.54	+ 0 35.1	2.766	3.592	9.7	21.8
2 1	10 21.74	+ 0 45.9	2.693	3.599	7.1	21.7
2 11	10 14.78	+ 1 8.2	2.648	3.605	4.4	21.5
2 21	10 7.22	+ 1 39.8	2.632	3.611	2.6	21.4
3 2	9 59.73	+ 2 17.6	2.646	3.616	3.8	21.5
3 12	9 52.96	+ 2 57.6	2.691	3.621	6.4	21.6
3 22	9 47.45	+ 3 36.3	2.763	3.626	9.0	21.8

27699 1982 JV_{1} 2 19.5 309°.30 2°.7/17.6 18

1 12	10 32.09	+13 37.6	1.345	2.164	18.3	18.3
1 22	10 29.98	+14 24.4	1.254	2.147	14.5	18.0
2 1	10 24.63	+15 28.4	1.183	2.131	9.8	17.6
2 11	10 16.57	+16 42.6	1.136	2.114	4.8	17.3
2 21	10 6.86	+17 56.8	1.114	2.098	3.4	17.2
3 2	9 57.03	+19 0.4	1.117	2.083	8.4	17.4
3 12	9 48.73	+19 44.8	1.144	2.068	13.7	17.7
3 22	9 43.19	+20 6.3	1.192	2.054	18.4	17.9

212812 2007 TX_{391} 2 19.5 129°.72 0°.1/19.6 18

1 12	10 31.99	+ 9 4.9	2.286	3.058	13.2	20.9
1 22	10 28.20	+ 9 23.2	2.195	3.060	10.4	20.7
2 1	10 22.42	+ 9 52.5	2.128	3.061	7.1	20.5
2 11	10 15.17	+10 29.6	2.087	3.063	3.4	20.3
2 21	10 7.15	+11 10.5	2.076	3.064	0.6	20.0
3 2	9 59.21	+11 50.2	2.094	3.065	4.4	20.3
3 12	9 52.20	+12 24.5	2.141	3.067	8.1	20.6
3 22	9 46.80	+12 50.2	2.213	3.068	11.3	20.8

162732 2000 VK_{23} 2 19.5 89°.11 1°.7/18.3 18

1 12	10 39.51	+13 2.1	1.630	2.422	16.9	20.8
1 22	10 34.61	+13 38.3	1.569	2.446	13.1	20.6
2 1	10 26.94	+14 25.9	1.530	2.470	8.7	20.4
2 11	10 17.30	+15 18.4	1.516	2.493	4.0	20.2
2 21	10 6.79	+16 8.5	1.530	2.516	2.2	20.1
3 2	9 56.72	+16 49.3	1.573	2.539	6.4	20.4
3 12	9 48.27	+17 16.4	1.643	2.561	10.6	20.7
3 22	9 42.24	+17 28.2	1.736	2.582	14.3	21.0

127238 2002 JS_{20} 2 19.5 226°.43 0°.8/20.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 12	10 31.56	+ 5 34.8	2.547	3.300	12.5	20.9
1 22	10 27.76	+ 6 6.0	2.438	3.290	10.0	20.7
2 1	10 22.12	+ 6 50.8	2.353	3.279	6.9	20.5
2 11	10 15.05	+ 7 46.4	2.295	3.268	3.5	20.2
2 21	10 7.18	+ 8 48.9	2.268	3.256	0.8	20.0
3 2	9 59.26	+ 9 53.1	2.271	3.243	4.0	20.2
3 12	9 52.10	+10 53.7	2.304	3.230	7.5	20.4
3 22	9 46.34	+11 46.7	2.363	3.217	10.7	20.6

469780 2005 QO_{134} 2 19.5 225°.30 1°.4/21.3 17

1 12	10 29.35	+ 2 45.8	3.195	3.928	10.6	22.9
1 22	10 25.64	+ 3 13.6	3.080	3.917	8.6	22.7
2 1	10 20.47	+ 3 53.6	2.989	3.904	6.1	22.5
2 11	10 14.21	+ 4 43.8	2.926	3.892	3.4	22.3
2 21	10 7.34	+ 5 41.4	2.893	3.878	1.4	22.1
3 2	10 0.43	+ 6 42.7	2.892	3.865	3.3	22.3
3 12	9 54.08	+ 7 43.3	2.922	3.851	6.0	22.4
3 22	9 48.80	+ 8 39.7	2.980	3.836	8.6	22.6

426303 2012 TG_{145} 2 19.5 309°.05 2°.3/17.6 17

1 12	10 35.45	+17 8.3	2.143	2.934	13.4	21.0
1 22	10 31.09	+17 27.3	2.054	2.931	10.4	20.8
2 1	10 24.48	+17 51.8	1.988	2.928	7.0	20.5
2 11	10 16.17	+18 17.2	1.949	2.925	3.5	20.3
2 21	10 6.99	+18 38.5	1.939	2.922	2.7	20.3
3 2	9 57.92	+18 51.2	1.959	2.919	5.9	20.5
3 12	9 49.97	+18 52.5	2.006	2.916	9.4	20.7
3 22	9 43.87	+18 41.5	2.078	2.914	12.7	20.9

185258 2006 US_{92} 2 19.5 3°.79 1°.7/18.3 18

1 12	10 32.82	+12 36.5	1.515	2.323	17.2	20.8
1 22	10 29.92	+13 10.0	1.436	2.322	13.5	20.6
2 1	10 24.15	+13 57.4	1.378	2.322	9.0	20.3
2 11	10 16.15	+14 52.8	1.345	2.323	4.2	20.1
2 21	10 6.99	+15 48.3	1.337	2.324	2.2	19.9
3 2	9 57.97	+16 36.0	1.357	2.325	6.8	20.2
3 12	9 50.42	+17 9.6	1.402	2.327	11.5	20.5
3 22	9 45.28	+17 26.3	1.469	2.330	15.6	20.7

43157 1999 XT_{120} 2 19.5 336°.68 8°.2/25.3 18 R

1 12	10 34.39	− 8 28.8	1.713	2.422	19.2	18.2
1 22	10 30.89	− 9 31.1	1.622	2.421	16.7	18.0
2 1	10 24.73	−10 10.3	1.549	2.421	13.6	17.8
2 11	10 16.44	−10 22.9	1.498	2.420	10.6	17.6
2 21	10 6.93	−10 7.9	1.471	2.419	8.5	17.4
3 2	9 57.39	− 9 27.8	1.469	2.419	8.7	17.4
3 12	9 49.08	− 8 29.3	1.493	2.418	11.0	17.6
3 22	9 42.94	− 7 21.2	1.541	2.418	14.1	17.8

44759 1999 TY_{113} 2 19.5 246°.12 3°.4/22.2 18

1 12	10 33.10	+ 0 17.1	1.792	2.544	17.1	19.5
1 22	10 29.79	+ 0 18.6	1.692	2.536	14.0	19.3
2 1	10 23.94	+ 0 40.9	1.612	2.527	10.4	19.0
2 11	10 16.07	+ 1 23.3	1.556	2.518	6.4	18.8
2 21	10 7.01	+ 2 22.2	1.528	2.509	3.4	18.6
3 2	9 57.90	+ 3 31.7	1.527	2.500	5.5	18.7
3 12	9 49.89	+ 4 43.7	1.554	2.491	9.6	18.9
3 22	9 43.92	+ 5 51.1	1.605	2.481	13.6	19.1

178276 5120 $T\text{-}_{2}$ 2 19.5 124°.11 1°.8/18.3 18

1 12	10 41.31	+15 58.2	1.906	2.690	15.1	19.8
1 22	10 35.80	+16 4.6	1.826	2.699	11.8	19.6
2 1	10 27.70	+16 17.2	1.769	2.707	7.9	19.4
2 11	10 17.69	+16 31.2	1.739	2.715	3.8	19.1
2 21	10 6.76	+16 41.6	1.738	2.723	2.2	19.0
3 2	9 56.11	+16 44.3	1.766	2.731	6.0	19.3
3 12	9 46.87	+16 36.5	1.823	2.738	9.9	19.5
3 22	9 39.85	+16 17.8	1.904	2.745	13.4	19.8

1843 Jarmila 2 19.5 223°.94 3°.8/22.8 18

1 12	10 34.04	− 1 15.0	2.311	3.034	14.4	16.9
1 22	10 29.89	− 1 29.8	2.203	3.026	12.0	16.7
2 1	10 23.67	− 1 28.7	2.116	3.017	9.1	16.5
2 11	10 15.84	− 1 11.6	2.055	3.007	6.0	16.3
2 21	10 7.07	− 0 40.4	2.023	2.998	3.8	16.2
3 2	9 58.25	+ 0 1.5	2.020	2.987	5.0	16.2
3 12	9 50.28	+ 0 48.9	2.045	2.976	8.1	16.4
3 22	9 43.90	+ 1 36.7	2.097	2.965	11.3	16.6

40753 1999 TK_{8} 2 19.5 245°.05 0°.8/18.9 18

1 12	10 36.00	+10 43.4	1.986	2.764	14.7	20.4
1 22	10 31.91	+11 14.5	1.878	2.747	11.7	20.2
2 1	10 25.32	+11 58.9	1.794	2.730	7.9	19.9
2 11	10 16.72	+12 52.4	1.736	2.713	3.7	19.6
2 21	10 6.90	+13 49.1	1.706	2.694	1.2	19.4
3 2	9 56.96	+14 42.3	1.707	2.675	5.7	19.7
3 12	9 48.05	+15 26.3	1.735	2.655	10.0	19.9
3 22	9 41.09	+15 57.3	1.788	2.635	13.9	20.1

109061 2001 QE_{18} 2 19.5 120.°64 1.°4/21.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 12	10 29.98	+ 3 14.6	2.511	3.259	12.8	19.9
1 22	10 26.42	+ 3 46.8	2.422	3.268	10.2	19.7
2 1	10 21.12	+ 4 33.5	2.356	3.277	7.2	19.6
2 11	10 14.55	+ 5 32.2	2.317	3.285	3.9	19.4
2 21	10 7.32	+ 6 38.5	2.307	3.294	1.4	19.2
3 2	10 0.18	+ 7 47.4	2.328	3.302	3.8	19.4
3 12	9 53.86	+ 8 53.5	2.379	3.310	7.1	19.6
3 22	9 48.94	+ 9 52.5	2.456	3.318	10.1	19.8

383751 2007 VH_{118} 2 19.5 48.°25 3.°1/16.4 18

1 12	10 30.51	+15 21.9	1.921	2.724	14.2	20.2
1 22	10 27.36	+16 43.5	1.860	2.745	10.9	20.0
2 1	10 21.98	+18 14.8	1.823	2.767	7.2	19.8
2 11	10 14.99	+19 47.9	1.814	2.789	3.9	19.7
2 21	10 7.25	+21 14.6	1.833	2.811	3.7	19.7
3 2	9 59.76	+22 27.5	1.881	2.833	6.8	19.9
3 12	9 53.47	+23 21.9	1.956	2.856	10.2	20.2
3 22	9 49.05	+23 56.3	2.054	2.879	13.2	20.4

68773 2002 EB_{153} 2 19.5 292.°03 8.°3/27.9 17

1 12	10 29.12	−15 49.2	2.083	2.738	17.7	19.6
1 22	10 26.59	−15 55.6	1.955	2.709	15.8	19.4
2 1	10 21.78	−15 33.1	1.844	2.680	13.5	19.1
2 11	10 15.10	−14 37.6	1.754	2.651	10.9	18.9
2 21	10 7.19	−13 8.1	1.688	2.622	8.9	18.7
3 2	9 59.02	−11 7.6	1.649	2.592	8.4	18.6
3 12	9 51.65	− 8 44.2	1.638	2.563	10.2	18.7
3 22	9 46.00	− 6 9.3	1.654	2.533	13.1	18.8

474043 2016 GJ_{237} 2 19.5 168.°30 5.°4/13.2 17

1 12	10 33.39	+26 50.2	2.535	3.334	11.3	21.4
1 22	10 29.30	+28 6.0	2.461	3.336	9.0	21.3
2 1	10 23.18	+29 22.3	2.411	3.338	6.7	21.1
2 11	10 15.55	+30 32.0	2.390	3.340	5.4	21.1
2 21	10 7.15	+31 28.8	2.397	3.341	6.0	21.1
3 2	9 58.85	+32 8.0	2.434	3.342	8.0	21.2
3 12	9 51.53	+32 27.5	2.496	3.343	10.3	21.4
3 22	9 45.85	+32 27.6	2.581	3.344	12.5	21.5

201095 2002 GC_{103} 2 19.5 22.°00 0.°4/19.8 18

1 12	10 32.21	+ 8 5.5	1.252	2.062	20.0	20.3
1 22	10 29.87	+ 8 19.8	1.183	2.068	15.8	20.0
2 1	10 24.33	+ 8 54.2	1.132	2.074	10.8	19.7
2 11	10 16.31	+ 9 43.8	1.104	2.081	5.2	19.4
2 21	10 7.01	+10 41.1	1.100	2.089	0.8	19.1
3 2	9 57.97	+11 36.9	1.122	2.097	6.6	19.6
3 12	9 50.67	+12 23.0	1.168	2.107	11.9	19.9
3 22	9 46.11	+12 54.1	1.235	2.117	16.5	20.2

393806 2005 QE_{100} 2 19.5 221.°79 2.°2/21.1 18

1 12	10 37.62	+ 3 37.4	1.786	2.544	16.9	22.2
1 22	10 33.39	+ 3 41.2	1.684	2.534	13.8	21.9
2 1	10 26.44	+ 4 3.2	1.602	2.524	9.9	21.7
2 11	10 17.29	+ 4 41.9	1.545	2.513	5.5	21.4
2 21	10 6.82	+ 5 33.2	1.515	2.501	2.2	21.1
3 2	9 56.24	+ 6 30.9	1.515	2.489	5.5	21.3
3 12	9 46.84	+ 7 27.7	1.542	2.475	10.1	21.6
3 22	9 39.60	+ 8 17.6	1.594	2.461	14.3	21.8

344054 4185 T-3 2 19.5 115.°57 2.°3/16.9 18

1 12	10 32.40	+17 18.6	2.751	3.535	10.9	21.5
1 22	10 28.13	+18 4.1	2.676	3.550	8.4	21.4
2 1	10 22.16	+18 54.5	2.626	3.565	5.6	21.2
2 11	10 15.00	+19 45.1	2.605	3.579	3.0	21.1
2 21	10 7.26	+20 31.3	2.615	3.593	2.7	21.0
3 2	9 59.68	+21 9.0	2.655	3.607	5.1	21.2
3 12	9 52.95	+21 35.5	2.723	3.620	7.8	21.4
3 22	9 47.61	+21 49.6	2.817	3.633	10.3	21.6

78881 2003 RL_{22} 2 19.5 167.°82 2.°2/21.4 18

1 12	10 36.12	+ 3 48.9	2.505	3.242	13.1	20.0
1 22	10 31.19	+ 3 32.9	2.408	3.245	10.6	19.8
2 1	10 24.35	+ 3 28.3	2.334	3.248	7.6	19.6
2 11	10 16.08	+ 3 34.0	2.287	3.251	4.4	19.4
2 21	10 7.07	+ 3 48.1	2.270	3.253	2.2	19.3
3 2	9 58.11	+ 4 7.3	2.284	3.255	4.2	19.4
3 12	9 50.05	+ 4 28.1	2.327	3.257	7.3	19.6
3 22	9 43.52	+ 4 47.1	2.398	3.258	10.3	19.8

450405 2005 SW_{265} 2 19.5 112.°82 0.°2/19.7 17

1 12	10 38.52	+ 6 40.1	1.736	2.505	16.9	22.5
1 22	10 33.73	+ 7 26.8	1.667	2.529	13.3	22.3
2 1	10 26.35	+ 8 31.0	1.620	2.552	9.0	22.1
2 11	10 17.07	+ 9 47.5	1.599	2.574	4.3	21.9
2 21	10 6.90	+11 8.5	1.607	2.595	0.7	21.6
3 2	9 57.05	+12 25.9	1.645	2.616	5.5	22.0
3 12	9 48.65	+13 32.6	1.710	2.636	9.8	22.3
3 22	9 42.47	+14 24.5	1.801	2.654	13.5	22.6

148587 2001 RM_6 2 19.5 71.°36 4.°1/23.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 12	10 31.75	− 3 10.8	1.771	2.510	17.7	20.0
1 22	10 28.48	− 2 57.1	1.695	2.528	14.6	19.8
2 1	10 22.83	− 2 19.2	1.640	2.545	10.9	19.6
2 11	10 15.44	− 1 18.7	1.608	2.563	7.0	19.4
2 21	10 7.19	− 0 0.2	1.603	2.580	4.2	19.3
3 2	9 59.14	+ 1 28.9	1.626	2.598	5.4	19.4
3 12	9 52.33	+ 2 59.8	1.677	2.615	8.9	19.6
3 22	9 47.50	+ 4 24.6	1.753	2.632	12.5	19.9

268375 2005 TJ_{165} 2 19.5 107.°99 0.°6/19.0 18

1 12	10 35.69	+10 48.7	2.030	2.808	14.5	21.4
1 22	10 31.23	+11 14.2	1.954	2.822	11.3	21.2
2 1	10 24.53	+11 50.8	1.900	2.837	7.6	21.0
2 11	10 16.19	+12 34.1	1.874	2.851	3.5	20.8
2 21	10 7.06	+13 18.7	1.876	2.864	1.0	20.6
3 2	9 58.15	+13 59.2	1.909	2.878	5.1	20.9
3 12	9 50.42	+14 31.2	1.969	2.891	8.9	21.2
3 22	9 44.59	+14 51.9	2.054	2.903	12.2	21.4

5001 EMP 2 19.5 191.°83 2.°0/21.7 18

1 12	10 31.76	+ 1 7.6	2.380	3.118	13.7	17.3
1 22	10 28.01	+ 1 39.9	2.278	3.116	11.1	17.1
2 1	10 22.33	+ 2 29.5	2.199	3.114	8.0	16.9
2 11	10 15.19	+ 3 34.2	2.147	3.112	4.6	16.7
2 21	10 7.23	+ 4 50.0	2.124	3.109	2.0	16.5
3 2	9 59.28	+ 6 10.9	2.132	3.106	4.2	16.7
3 12	9 52.17	+ 7 30.7	2.170	3.102	7.6	16.9
3 22	9 46.57	+ 8 43.8	2.234	3.097	10.9	17.1

322842 2001 TQ_{97} 2 19.5 81.°35 4.°4/16.4 18

1 12	10 40.16	+21 50.0	1.795	2.595	15.2	20.7
1 22	10 35.09	+22 23.7	1.727	2.607	11.9	20.5
2 1	10 27.29	+23 0.0	1.681	2.620	8.2	20.3
2 11	10 17.51	+23 31.8	1.662	2.632	5.0	20.1
2 21	10 6.84	+23 52.3	1.671	2.644	4.8	20.1
3 2	9 56.55	+23 56.7	1.709	2.656	7.8	20.3
3 12	9 47.83	+23 43.4	1.772	2.668	11.3	20.6
3 22	9 41.47	+23 13.7	1.859	2.680	14.5	20.8

189171 2002 VX_{87} 2 19.5 169.°90 1.°6/20.7 18

1 12	10 38.43	+ 5 8.4	1.766	2.528	16.9	20.9
1 22	10 33.86	+ 5 15.9	1.677	2.532	13.6	20.7
2 1	10 26.62	+ 5 40.4	1.610	2.536	9.5	20.5
2 11	10 17.30	+ 6 19.4	1.568	2.539	5.0	20.2
2 21	10 6.86	+ 7 8.0	1.554	2.541	1.6	20.0
3 2	9 56.52	+ 7 59.9	1.568	2.542	5.3	20.2
3 12	9 47.48	+ 8 48.4	1.611	2.543	9.8	20.5
3 22	9 40.66	+ 9 28.6	1.678	2.542	13.8	20.7

297797 2001 YE_{86} 2 19.5 17.°62 3.°1/17.7 18

1 12	10 32.21	+14 48.9	1.099	1.935	20.5	20.0
1 22	10 30.32	+15 25.3	1.038	1.940	16.0	19.7
2 1	10 24.84	+16 16.4	0.996	1.947	10.7	19.4
2 11	10 16.60	+17 13.6	0.976	1.955	5.2	19.1
2 21	10 6.99	+18 6.0	0.979	1.964	3.7	19.1
3 2	9 57.78	+18 44.0	1.006	1.974	8.7	19.4
3 12	9 50.62	+19 1.6	1.056	1.986	13.9	19.7
3 22	9 46.54	+18 57.5	1.125	1.998	18.4	20.0

53800 2000 EZ_{118} 2 19.5 47.°43 6.°4/15.1 18

1 12	10 36.48	+21 14.2	1.314	2.141	18.3	19.0
1 22	10 33.35	+22 36.0	1.250	2.145	14.3	18.8
2 1	10 26.76	+24 5.9	1.206	2.150	10.1	18.5
2 11	10 17.48	+25 32.1	1.186	2.155	6.8	18.3
2 21	10 6.84	+26 42.1	1.192	2.160	7.2	18.4
3 2	9 56.51	+27 26.3	1.223	2.165	10.8	18.6
3 12	9 48.11	+27 41.0	1.276	2.171	14.9	18.8
3 22	9 42.68	+27 27.8	1.350	2.177	18.7	19.1

433633 2013 YE_{138} 2 19.5 322.°31 7.°9/10.5 17

1 12	10 33.46	+32 41.7	2.205	3.011	12.6	20.5
1 22	10 29.89	+34 18.4	2.136	3.007	10.4	20.3
2 1	10 23.87	+35 52.1	2.092	3.003	8.6	20.2
2 11	10 15.98	+37 13.5	2.074	2.999	7.9	20.1
2 21	10 7.10	+38 14.9	2.083	2.996	8.7	20.2
3 2	9 58.33	+38 50.8	2.118	2.992	10.6	20.3
3 12	9 50.77	+38 59.8	2.177	2.989	12.9	20.4
3 22	9 45.22	+38 43.9	2.255	2.986	15.0	20.6

191798 2004 TA_{205} 2 19.5 85.°27 5.°1/15.1 18

1 12	10 36.52	+23 45.5	1.986	2.789	13.8	20.2
1 22	10 32.12	+24 41.8	1.917	2.798	10.8	20.0
2 1	10 25.25	+25 39.9	1.872	2.808	7.7	19.9
2 11	10 16.57	+26 32.3	1.854	2.817	5.4	19.7
2 21	10 7.03	+27 12.0	1.863	2.826	5.7	19.8
3 2	9 57.75	+27 33.7	1.901	2.835	8.2	19.9
3 12	9 49.83	+27 35.4	1.965	2.844	11.2	20.1
3 22	9 43.99	+27 18.2	2.051	2.853	14.0	20.3

21691 1999 RC_{42} 2 19.5 135°.24 0°.1/19.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 12	10 37.61	+10 10.4	1.784	2.564	16.1	18.2
1 22	10 33.15	+10 22.6	1.701	2.571	12.7	18.0
2 1	10 26.07	+10 47.3	1.641	2.577	8.6	17.7
2 11	10 17.01	+11 20.5	1.606	2.583	4.0	17.5
2 21	10 6.95	+11 56.8	1.600	2.588	0.8	17.2
3 2	9 57.06	+12 30.5	1.622	2.594	5.5	17.6
3 12	9 48.51	+12 56.4	1.672	2.599	9.9	17.8
3 22	9 42.16	+13 11.7	1.746	2.603	13.7	18.1

77179 2001 FV_{4} 2 19.5 167°.10 3°.7/15.5 18

1 12	10 35.68	+22 48.9	2.761	3.548	10.8	20.4
1 22	10 30.77	+23 35.6	2.680	3.552	8.4	20.3
2 1	10 24.02	+24 24.0	2.623	3.557	5.9	20.1
2 11	10 15.92	+25 8.9	2.596	3.560	4.0	20.0
2 21	10 7.15	+25 45.4	2.599	3.563	4.1	20.0
3 2	9 58.51	+26 9.6	2.632	3.566	6.2	20.1
3 12	9 50.78	+26 19.4	2.693	3.568	8.7	20.3
3 22	9 44.56	+26 14.9	2.779	3.570	11.0	20.5

268966 2007 EJ_{18} 2 19.5 1°.42 1°.4/20.7 18

1 12	10 30.75	+ 4 45.7	1.780	2.556	16.3	20.6
1 22	10 27.86	+ 5 7.7	1.692	2.556	13.0	20.3
2 1	10 22.56	+ 5 48.1	1.625	2.555	9.1	20.1
2 11	10 15.40	+ 6 43.9	1.583	2.555	4.8	19.8
2 21	10 7.23	+ 7 49.7	1.568	2.556	1.4	19.6
3 2	9 59.13	+ 8 58.4	1.581	2.556	5.1	19.9
3 12	9 52.18	+10 2.6	1.622	2.557	9.4	20.1
3 22	9 47.21	+10 56.7	1.686	2.558	13.3	20.3

316995 2001 OD_{111} 2 19.5 154°.38 2°.8/16.8 18

1 12	10 36.58	+17 25.4	2.279	3.065	12.8	21.5
1 22	10 31.81	+18 15.1	2.199	3.073	10.0	21.3
2 1	10 24.89	+19 11.3	2.143	3.081	6.7	21.1
2 11	10 16.39	+20 8.0	2.115	3.088	3.6	20.9
2 21	10 7.08	+20 59.2	2.116	3.094	3.2	20.9
3 2	9 57.93	+21 39.6	2.148	3.100	6.1	21.1
3 12	9 49.86	+22 5.8	2.208	3.106	9.4	21.3
3 22	9 43.56	+22 16.9	2.293	3.110	12.3	21.5

522381 2016 CK_{303} 2 19.5 209°.01 3°.5/16.5 17

1 12	10 38.86	+20 43.0	2.322	3.108	12.6	22.1
1 22	10 33.67	+21 17.8	2.229	3.102	9.9	21.9
2 1	10 26.22	+21 56.0	2.160	3.096	6.8	21.7
2 11	10 17.04	+22 32.1	2.119	3.089	4.1	21.6
2 21	10 6.96	+23 0.4	2.108	3.082	3.9	21.5
3 2	9 56.96	+23 16.4	2.128	3.074	6.6	21.7
3 12	9 48.04	+23 17.5	2.175	3.066	9.8	21.9
3 22	9 40.97	+23 3.8	2.246	3.057	12.7	22.0

226718 2004 PZ_{25} 2 19.5 149°.24 0°.1/19.6 18

1 12	10 34.86	+ 8 59.2	2.405	3.167	12.9	21.5
1 22	10 30.30	+ 9 20.8	2.317	3.176	10.2	21.3
2 1	10 23.79	+ 9 52.9	2.253	3.185	6.9	21.1
2 11	10 15.85	+10 32.4	2.217	3.192	3.3	20.9
2 21	10 7.19	+11 14.9	2.211	3.200	0.5	20.7
3 2	9 58.65	+11 56.0	2.236	3.207	4.3	21.0
3 12	9 51.06	+12 31.5	2.290	3.213	7.8	21.2
3 22	9 45.05	+12 58.4	2.370	3.219	10.8	21.4

426325 2012 UE_{128} 2 19.5 230°.34 1°.8/21.3 17

1 12	10 32.95	+ 4 16.9	2.566	3.311	12.6	21.7
1 22	10 28.80	+ 4 12.6	2.460	3.304	10.2	21.5
2 1	10 22.82	+ 4 19.9	2.377	3.296	7.3	21.3
2 11	10 15.43	+ 4 37.5	2.321	3.288	4.1	21.1
2 21	10 7.27	+ 5 3.0	2.295	3.280	1.8	20.9
3 2	9 59.10	+ 5 32.8	2.299	3.271	4.0	21.0
3 12	9 51.71	+ 6 3.2	2.332	3.262	7.2	21.2
3 22	9 45.74	+ 6 30.4	2.391	3.253	10.3	21.4

65655 1981 EV_{47} 2 19.5 252°.80 2°.8/22.3 18

1 12	10 31.07	− 0 29.2	2.192	2.929	14.7	20.3
1 22	10 27.78	− 0 7.7	2.079	2.915	12.1	20.0
2 1	10 22.39	+ 0 33.4	1.989	2.900	9.0	19.8
2 11	10 15.33	+ 1 32.9	1.923	2.884	5.5	19.6
2 21	10 7.28	+ 2 47.4	1.887	2.868	2.9	19.4
3 2	9 59.12	+ 4 10.9	1.879	2.852	4.7	19.4
3 12	9 51.79	+ 5 36.3	1.901	2.836	8.3	19.6
3 22	9 46.08	+ 6 56.8	1.949	2.819	11.9	19.8

414200 2008 DW_{15} 2 19.5 291°.39 4°.9/16.2 18

1 12	10 39.09	+22 16.5	1.697	2.504	15.7	21.0
1 22	10 34.73	+22 54.0	1.613	2.497	12.4	20.8
2 1	10 27.39	+23 35.1	1.552	2.491	8.7	20.5
2 11	10 17.74	+24 12.0	1.516	2.484	5.5	20.3
2 21	10 6.86	+24 36.8	1.507	2.478	5.5	20.3
3 2	9 56.15	+24 43.5	1.525	2.472	8.7	20.5
3 12	9 46.98	+24 29.7	1.569	2.466	12.5	20.7
3 22	9 40.30	+23 56.6	1.635	2.460	16.0	20.9

25801 Oliviaschwob 2 19.5 197°.02 1°.1/18.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 12	10 33.00	+12 49.2	2.370	3.149	12.6	19.3
1 22	10 28.99	+13 19.8	2.277	3.148	9.8	19.1
2 1	10 23.00	+13 59.3	2.209	3.146	6.6	18.9
2 11	10 15.52	+14 43.5	2.168	3.145	3.0	18.7
2 21	10 7.26	+15 27.7	2.156	3.143	1.5	18.6
3 2	9 59.06	+16 6.9	2.175	3.140	4.9	18.8
3 12	9 51.78	+16 37.3	2.222	3.138	8.4	19.0
3 22	9 46.09	+16 56.6	2.294	3.135	11.4	19.2

141370 2002 AG_{48} 2 19.5 107°.44 1°.8/21.3 17

1 12	10 31.06	+ 3 50.0	2.552	3.299	12.6	20.6
1 22	10 27.26	+ 3 53.5	2.460	3.305	10.2	20.4
2 1	10 21.71	+ 4 9.5	2.391	3.310	7.2	20.2
2 11	10 14.88	+ 4 36.2	2.349	3.315	4.1	20.0
2 21	10 7.39	+ 5 10.6	2.335	3.320	1.8	19.9
3 2	9 59.98	+ 5 49.0	2.352	3.325	3.8	20.0
3 12	9 53.39	+ 6 27.1	2.398	3.331	7.0	20.2
3 22	9 48.19	+ 7 1.4	2.471	3.335	9.9	20.4

56310 1999 RE_{151} 2 19.5 130°.16 1°.9/17.9 18

1 12	10 34.54	+14 42.7	2.040	2.830	14.0	19.5
1 22	10 30.49	+15 17.2	1.957	2.834	10.9	19.3
2 1	10 24.16	+16 0.5	1.897	2.837	7.3	19.1
2 11	10 16.11	+16 47.3	1.863	2.840	3.5	18.9
2 21	10 7.18	+17 31.7	1.859	2.843	2.4	18.8
3 2	9 58.39	+18 8.1	1.884	2.846	5.9	19.0
3 12	9 50.74	+18 32.5	1.936	2.849	9.6	19.2
3 22	9 44.97	+18 43.1	2.012	2.852	12.9	19.5

430337 2013 YM_{52} 2 19.5 46°.63 3°.2/22.1 17

1 12	10 33.28	+ 1 43.8	2.100	2.846	15.1	21.5
1 22	10 29.38	+ 1 22.7	2.011	2.852	12.3	21.3
2 1	10 23.34	+ 1 16.5	1.944	2.857	9.0	21.1
2 11	10 15.71	+ 1 24.6	1.903	2.863	5.6	20.9
2 21	10 7.25	+ 1 44.7	1.889	2.869	3.2	20.8
3 2	9 58.89	+ 2 13.1	1.904	2.875	4.8	20.9
3 12	9 51.55	+ 2 44.9	1.947	2.881	8.2	21.1
3 22	9 45.96	+ 3 15.5	2.015	2.887	11.5	21.3

428371 2007 RZ_{202} 2 19.5 26°.29 4°.3/16.1 18

1 12	10 36.95	+22 50.1	2.049	2.849	13.6	20.5
1 22	10 32.39	+23 21.3	1.971	2.852	10.7	20.3
2 1	10 25.42	+23 54.2	1.918	2.855	7.5	20.1
2 11	10 16.68	+24 22.5	1.890	2.858	4.8	20.0
2 21	10 7.09	+24 40.3	1.891	2.861	4.7	20.0
3 2	9 57.73	+24 43.3	1.921	2.865	7.4	20.1
3 12	9 49.66	+24 29.8	1.977	2.869	10.6	20.3
3 22	9 43.62	+24 0.6	2.057	2.873	13.5	20.5

19496 Josephbarone 2 19.5 44°.18 2°.7/17.7 18

1 12	10 34.69	+14 10.6	1.333	2.150	18.6	17.7
1 22	10 31.60	+14 56.8	1.272	2.164	14.4	17.5
2 1	10 25.36	+15 56.5	1.232	2.178	9.6	17.3
2 11	10 16.77	+17 1.4	1.215	2.193	4.6	17.0
2 21	10 7.08	+18 2.1	1.223	2.208	3.3	17.0
3 2	9 57.78	+18 49.7	1.258	2.223	7.7	17.3
3 12	9 50.27	+19 18.7	1.318	2.240	12.4	17.6
3 22	9 45.45	+19 27.7	1.399	2.256	16.4	17.9

171177 2005 GY_{178} 2 19.5 238°.11 3°.6/23.3 17

1 12	10 30.07	− 2 29.2	2.427	3.149	13.9	20.6
1 22	10 26.70	− 2 27.4	2.323	3.144	11.5	20.4
2 1	10 21.47	− 2 8.4	2.240	3.139	8.7	20.2
2 11	10 14.84	− 1 32.7	2.183	3.133	5.8	20.0
2 21	10 7.42	− 0 42.7	2.153	3.128	3.7	19.9
3 2	9 59.99	+ 0 17.5	2.154	3.122	4.6	19.9
3 12	9 53.35	+ 1 22.4	2.183	3.117	7.5	20.1
3 22	9 48.14	+ 2 26.3	2.238	3.111	10.5	20.3

150489 2000 QS_{43} 2 19.5 276°.80 0°.7/20.1 17

1 12	10 32.26	+ 6 24.6	1.937	2.710	15.2	20.2
1 22	10 29.08	+ 6 49.3	1.827	2.691	12.2	20.0
2 1	10 23.48	+ 7 30.9	1.739	2.671	8.5	19.7
2 11	10 15.94	+ 8 26.5	1.676	2.650	4.3	19.4
2 21	10 7.21	+ 9 31.0	1.642	2.630	0.8	19.1
3 2	9 58.32	+10 37.8	1.636	2.609	5.2	19.4
3 12	9 50.39	+11 39.9	1.658	2.589	9.6	19.6
3 22	9 44.33	+12 31.7	1.704	2.568	13.6	19.8

202697 2007 EX_{208} 2 19.5 304°.15 3°.2/22.5 18

1 12	10 28.49	− 1 18.9	1.837	2.589	16.7	20.4
1 22	10 26.19	− 0 52.6	1.732	2.576	13.8	20.1
2 1	10 21.54	− 0 2.1	1.647	2.562	10.2	19.9
2 11	10 15.02	+ 1 11.7	1.586	2.548	6.3	19.6
2 21	10 7.38	+ 2 44.3	1.553	2.535	3.3	19.4
3 2	9 59.64	+ 4 28.2	1.547	2.522	5.2	19.5
3 12	9 52.89	+ 6 13.7	1.569	2.509	9.3	19.7
3 22	9 48.01	+ 7 52.0	1.616	2.496	13.4	19.9

2020	α_{2000}	δ_{2000}	Δ	r	β	V
462030 2007 BG_{67}			2 19.5 260.°57		0.°1/19.5 17	
	h m	° ′			°	m
1 12	10 38.89	+11 42.6	1.924	2.701	15.2	21.6
1 22	10 34.08	+11 31.4	1.830	2.697	12.0	21.4
2 1	10 26.71	+11 29.0	1.758	2.693	8.2	21.1
2 11	10 17.38	+11 32.3	1.712	2.688	3.9	20.9
2 21	10 6.98	+11 37.4	1.695	2.683	0.7	20.6
3 2	9 56.67	+11 40.6	1.707	2.679	5.3	20.9
3 12	9 47.59	+11 38.4	1.748	2.674	9.5	21.2
3 22	9 40.60	+11 28.8	1.813	2.670	13.3	21.4
182477 2001 SB_{118}			2 19.5 203.°39		3.°8/22.6 18	
1 12	10 33.23	− 0 30.5	1.904	2.648	16.5	20.5
1 22	10 29.67	− 0 40.7	1.810	2.647	13.6	20.3
2 1	10 23.75	− 0 31.8	1.736	2.646	10.2	20.1
2 11	10 15.99	− 0 4.2	1.687	2.645	6.5	19.8
2 21	10 7.22	+ 0 39.3	1.665	2.643	3.9	19.7
3 2	9 58.47	+ 1 33.7	1.671	2.642	5.4	19.8
3 12	9 50.81	+ 2 32.4	1.705	2.641	9.0	20.0
3 22	9 45.06	+ 3 28.9	1.763	2.639	12.6	20.2
459981 2014 OF_{33}			2 19.5 111.°99		1.°5/18.3 18	
1 12	10 38.53	+12 57.8	1.882	2.665	15.3	22.5
1 22	10 33.62	+13 33.7	1.812	2.684	11.9	22.4
2 1	10 26.24	+14 20.0	1.764	2.703	7.9	22.2
2 11	10 17.07	+15 11.0	1.744	2.720	3.7	21.9
2 21	10 7.06	+16 0.3	1.752	2.738	1.9	21.8
3 2	9 57.35	+16 41.9	1.789	2.755	5.8	22.1
3 12	9 49.00	+17 11.3	1.855	2.771	9.8	22.4
3 22	9 42.76	+17 26.8	1.945	2.786	13.2	22.6
366862 2005 SO_{79}			2 19.5 79.°77		0.°8/20.3 18	
1 12	10 32.91	+ 5 56.5	1.818	2.593	16.0	21.2
1 22	10 29.39	+ 6 24.1	1.740	2.604	12.7	21.0
2 1	10 23.50	+ 7 8.6	1.684	2.615	8.8	20.8
2 11	10 15.83	+ 8 6.2	1.653	2.627	4.4	20.6
2 21	10 7.27	+ 9 11.0	1.650	2.638	0.9	20.3
3 2	9 58.88	+10 16.0	1.676	2.650	5.0	20.7
3 12	9 51.72	+11 14.5	1.729	2.661	9.2	20.9
3 22	9 46.53	+12 2.0	1.807	2.672	12.9	21.2
271838 2004 TC_{198}			2 19.5 63.°80		3.°4/16.7 18	
1 12	10 35.45	+18 44.4	1.897	2.698	14.5	20.4
1 22	10 31.38	+19 25.8	1.821	2.704	11.3	20.2
2 1	10 24.83	+20 13.2	1.769	2.710	7.6	20.0
2 11	10 16.45	+21 0.1	1.743	2.717	4.3	19.8
2 21	10 7.16	+21 39.6	1.745	2.723	3.9	19.7
3 2	9 58.09	+22 6.2	1.776	2.729	7.1	19.9
3 12	9 50.31	+22 16.7	1.833	2.736	10.6	20.2
3 22	9 44.62	+22 10.7	1.913	2.742	13.9	20.4
227062 2005 EX_{262}			2 19.5 287.°17		0.°5/20.2 17	
1 12	10 28.40	+ 7 45.1	3.105	3.863	10.4	20.6
1 22	10 24.97	+ 7 57.8	2.998	3.853	8.2	20.4
2 1	10 20.08	+ 8 19.2	2.915	3.843	5.7	20.2
2 11	10 14.11	+ 8 47.3	2.861	3.834	2.8	20.0
2 21	10 7.56	+ 9 19.3	2.836	3.824	0.6	19.8
3 2	10 1.02	+ 9 52.2	2.842	3.814	3.3	20.0
3 12	9 55.07	+10 22.7	2.878	3.805	6.2	20.2
3 22	9 50.23	+10 48.1	2.940	3.795	8.8	20.3
381526 2008 SV_{229}			2 19.5 221.°71		0.°5/19.1 17	
1 12	10 35.45	+11 29.3	2.478	3.246	12.4	21.6
1 22	10 30.87	+11 45.9	2.374	3.237	9.8	21.4
2 1	10 24.28	+12 11.2	2.293	3.227	6.6	21.1
2 11	10 16.17	+12 42.0	2.241	3.217	3.1	20.9
2 21	10 7.21	+13 14.3	2.218	3.206	0.9	20.7
3 2	9 58.24	+13 43.8	2.227	3.195	4.5	21.0
3 12	9 50.13	+14 6.8	2.264	3.184	8.1	21.2
3 22	9 43.58	+14 21.0	2.328	3.171	11.2	21.3
155350 2007 CN_{21}			2 19.5 127.°95		0.°7/18.8 18	
1 12	10 32.71	+ 8 17.2	2.114	2.887	14.1	20.3
1 22	10 28.95	+ 9 23.4	2.032	2.898	11.0	20.1
2 1	10 23.06	+10 44.8	1.974	2.910	7.4	19.9
2 11	10 15.59	+12 15.9	1.944	2.920	3.4	19.7
2 21	10 7.31	+13 49.7	1.943	2.931	1.1	19.5
3 2	9 59.15	+15 18.6	1.973	2.941	5.1	19.8
3 12	9 52.02	+16 36.0	2.032	2.950	8.9	20.1
3 22	9 46.62	+17 38.0	2.116	2.959	12.2	20.3
142460 2002 TJ_{6}			2 19.5 123.°36		0.°0/19.5 18	
1 12	10 35.88	+ 8 16.7	2.075	2.842	14.5	21.3
1 22	10 31.36	+ 8 50.9	1.997	2.859	11.4	21.1
2 1	10 24.64	+ 9 38.3	1.943	2.875	7.7	20.9
2 11	10 16.31	+10 34.7	1.915	2.890	3.6	20.7
2 21	10 7.20	+11 34.7	1.917	2.905	0.6	20.4
3 2	9 58.28	+12 32.0	1.948	2.919	4.8	20.8
3 12	9 50.51	+13 21.4	2.009	2.933	8.6	21.0
3 22	9 44.57	+13 59.5	2.095	2.946	12.0	21.3

2020	α_{2000}	δ_{2000}	Δ	r	β	V
63820 2001 RQ_{64}			2 19.5 264.°81		4.°3/22.9 18	
	h m	° ′			°	m
1 12	10 32.86	− 1 32.0	1.860	2.601	16.9	19.8
1 22	10 29.47	− 1 48.1	1.765	2.598	14.0	19.6
2 1	10 23.67	− 1 44.3	1.690	2.596	10.6	19.4
2 11	10 15.99	− 1 20.5	1.639	2.593	7.0	19.2
2 21	10 7.24	− 0 39.0	1.614	2.590	4.4	19.0
3 2	9 58.50	+ 0 15.3	1.618	2.587	5.7	19.1
3 12	9 50.86	+ 1 15.6	1.648	2.585	9.2	19.3
3 22	9 45.16	+ 2 15.0	1.703	2.582	12.9	19.5
81548 2000 HA_{23}			2 19.5 312.°82		1.°0/20.4 18	
1 12	10 31.05	+ 5 27.0	1.677	2.459	16.9	19.3
1 22	10 28.36	+ 5 53.8	1.585	2.453	13.5	19.0
2 1	10 23.08	+ 6 40.3	1.513	2.446	9.4	18.8
2 11	10 15.76	+ 7 43.1	1.466	2.440	4.8	18.5
2 21	10 7.28	+ 8 56.2	1.446	2.434	1.1	18.2
3 2	9 58.80	+10 11.6	1.454	2.428	5.5	18.5
3 12	9 51.51	+11 21.0	1.488	2.423	10.2	18.7
3 22	9 46.33	+12 18.3	1.546	2.418	14.3	19.0
88633 2001 RP_{43}			2 19.5 38.°94		4.°8/23.9 18	
1 12	10 29.83	− 4 35.3	1.682	2.423	18.4	19.6
1 22	10 27.27	− 4 27.3	1.598	2.428	15.4	19.4
2 1	10 22.24	− 3 52.7	1.532	2.434	11.8	19.2
2 11	10 15.32	− 2 52.0	1.489	2.440	7.9	19.0
2 21	10 7.38	− 1 29.2	1.472	2.447	5.0	18.8
3 2	9 59.53	+ 0 8.2	1.483	2.454	6.0	18.9
3 12	9 52.90	+ 1 50.4	1.520	2.461	9.5	19.1
3 22	9 48.30	+ 3 27.9	1.582	2.468	13.2	19.3
461802 2005 YE_{13}			2 19.5 97.°32		2.°3/17.4 18	
1 12	10 32.61	+14 16.1	1.964	2.759	14.3	21.2
1 22	10 29.11	+15 12.5	1.883	2.764	11.1	21.0
2 1	10 23.31	+16 19.5	1.826	2.768	7.4	20.8
2 11	10 15.76	+17 31.1	1.796	2.772	3.6	20.5
2 21	10 7.31	+18 39.9	1.794	2.777	2.8	20.5
3 2	9 58.98	+19 39.2	1.821	2.781	6.3	20.7
3 12	9 51.79	+20 23.7	1.875	2.785	10.0	20.9
3 22	9 46.50	+20 51.3	1.953	2.789	13.3	21.2
63642 2001 QK_{97}			2 19.5 33.°74		1.°0/20.0 18	
1 12	10 37.72	+ 9 30.5	1.155	1.966	21.3	17.4
1 22	10 34.37	+ 9 8.6	1.093	1.977	16.9	17.2
2 1	10 27.46	+ 9 3.0	1.049	1.990	11.6	16.9
2 11	10 17.85	+ 9 10.2	1.027	2.003	5.7	16.6
2 21	10 6.96	+ 9 24.9	1.029	2.017	1.1	16.4
3 2	9 56.53	+ 9 40.3	1.056	2.032	6.8	16.8
3 12	9 48.18	+ 9 50.4	1.107	2.048	12.2	17.1
3 22	9 42.90	+ 9 51.6	1.179	2.064	16.9	17.4
423529 2005 UP_{143}			2 19.5 122.°56		4.°9/24.2 18	
1 12	10 34.59	− 5 21.8	2.284	2.985	15.2	20.9
1 22	10 30.19	− 5 38.8	2.198	3.000	12.7	20.7
2 1	10 23.79	− 5 37.2	2.133	3.015	9.9	20.6
2 11	10 15.92	− 5 16.5	2.092	3.030	7.0	20.4
2 21	10 7.30	− 4 38.9	2.080	3.044	5.0	20.3
3 2	9 58.80	− 3 47.9	2.096	3.057	5.5	20.4
3 12	9 51.29	− 2 49.5	2.142	3.070	7.9	20.5
3 22	9 45.42	− 1 49.3	2.213	3.082	10.7	20.7
461911 2006 QS_{123}			2 19.5 82.°36		1.°4/20.9 16	
1 12	10 37.76	+ 3 3.2	1.970	2.718	15.9	21.7
1 22	10 32.67	+ 3 43.6	1.912	2.758	12.6	21.6
2 1	10 25.39	+ 4 41.3	1.875	2.797	8.7	21.4
2 11	10 16.60	+ 5 52.3	1.865	2.835	4.6	21.2
2 21	10 7.20	+ 7 10.2	1.885	2.872	1.4	21.1
3 2	9 58.18	+ 8 28.0	1.936	2.909	4.5	21.3
3 12	9 50.47	+ 9 39.2	2.015	2.944	8.3	21.6
3 22	9 44.70	+10 39.3	2.121	2.979	11.6	21.9
503648 2016 GG_{191}			2 19.5 288.°25		3.°8/15.9 17	
1 12	10 32.31	+17 40.3	1.985	2.788	13.9	21.5
1 22	10 29.22	+18 49.9	1.879	2.763	10.9	21.3
2 1	10 23.65	+20 10.3	1.796	2.738	7.5	21.0
2 11	10 16.07	+21 34.8	1.740	2.712	4.4	20.8
2 21	10 7.25	+22 54.9	1.712	2.687	4.4	20.7
3 2	9 58.24	+24 2.4	1.713	2.661	7.7	20.8
3 12	9 50.21	+24 51.4	1.741	2.636	11.6	21.0
3 22	9 44.11	+25 19.2	1.791	2.610	15.1	21.2
383340 2006 PN_{19}			2 19.5 114.°90		0.°3/19.9 17	
1 12	10 34.14	+ 9 9.6	2.669	3.428	11.9	21.2
1 22	10 29.49	+ 9 17.3	2.586	3.442	9.3	21.1
2 1	10 23.13	+ 9 33.8	2.527	3.456	6.3	20.9
2 11	10 15.55	+ 9 56.3	2.496	3.470	3.1	20.7
2 21	10 7.38	+10 21.6	2.495	3.484	0.5	20.5
3 2	9 59.35	+10 46.3	2.525	3.497	3.8	20.8
3 12	9 52.20	+11 7.2	2.585	3.510	6.9	21.0
3 22	9 46.46	+11 22.1	2.672	3.522	9.7	21.2

2020	α_{2000}	δ_{2000}	Δ	r	β	V
30220 2000 GP_{126}			2 19.5 256°.55		1°.0/20.3 18	R
	h m	° ′			°	m
1 12	10 34.13	+ 5 6.3	1.729	2.501	16.8	18.0
1 22	10 30.88	+ 5 37.0	1.622	2.484	13.6	17.7
2 1	10 24.92	+ 6 28.3	1.535	2.466	9.5	17.4
2 11	10 16.72	+ 7 37.5	1.474	2.448	4.9	17.1
2 21	10 7.13	+ 8 58.5	1.440	2.429	1.1	16.8
3 2	9 57.33	+10 23.2	1.435	2.409	5.7	17.0
3 12	9 48.63	+11 42.5	1.457	2.389	10.6	17.3
3 22	9 42.08	+12 49.5	1.503	2.369	15.0	17.5
288362 2004 CK_{11}			2 19.5 95°.61		1°.7/20.7 18	
1 12	10 37.93	+ 4 38.4	1.414	2.193	19.6	20.8
1 22	10 33.93	+ 4 51.5	1.345	2.209	15.7	20.6
2 1	10 26.88	+ 5 25.8	1.295	2.226	11.0	20.4
2 11	10 17.52	+ 6 17.8	1.270	2.242	5.7	20.1
2 21	10 7.03	+ 7 20.8	1.270	2.257	1.7	19.9
3 2	9 56.87	+ 8 26.2	1.298	2.273	5.9	20.2
3 12	9 48.40	+ 9 25.6	1.351	2.288	10.9	20.5
3 22	9 42.56	+10 13.1	1.428	2.302	15.2	20.8
340851 2006 YZ_{29}			2 19.5 124°.05		1°.4/18.6 18	
1 12	10 39.83	+11 56.2	1.509	2.302	17.9	21.4
1 22	10 35.35	+12 27.9	1.436	2.314	14.1	21.2
2 1	10 27.81	+13 13.7	1.385	2.325	9.4	21.0
2 11	10 17.96	+14 7.3	1.358	2.335	4.4	20.7
2 21	10 6.96	+15 0.9	1.358	2.345	1.9	20.5
3 2	9 56.24	+15 46.6	1.387	2.355	6.7	20.9
3 12	9 47.19	+16 18.6	1.441	2.364	11.5	21.2
3 22	9 40.75	+16 34.5	1.519	2.373	15.5	21.4
160102 2000 RX_{73}			2 19.5 175°.84		0°.6/20.1 18	
1 12	10 37.09	+ 6 50.4	2.150	2.907	14.4	21.1
1 22	10 32.37	+ 7 14.0	2.056	2.911	11.5	20.9
2 1	10 25.42	+ 7 51.4	1.986	2.913	7.9	20.7
2 11	10 16.75	+ 8 39.6	1.942	2.915	3.9	20.4
2 21	10 7.17	+ 9 33.7	1.928	2.916	0.7	20.2
3 2	9 57.64	+10 28.0	1.944	2.916	4.7	20.5
3 12	9 49.16	+11 17.1	1.989	2.915	8.6	20.7
3 22	9 42.49	+11 57.0	2.061	2.913	12.1	20.9
63448 2001 NF_{14}			2 19.5 140°.60		1°.1/20.4 18	
1 12	10 38.63	+ 7 14.9	2.221	2.975	14.1	20.5
1 22	10 33.37	+ 7 11.6	2.135	2.986	11.2	20.3
2 1	10 25.95	+ 7 19.4	2.072	2.997	7.8	20.1
2 11	10 16.95	+ 7 36.2	2.036	3.008	4.0	19.9
2 21	10 7.15	+ 7 58.5	2.030	3.018	1.1	19.7
3 2	9 57.52	+ 8 22.3	2.054	3.027	4.4	20.0
3 12	9 48.98	+ 8 43.6	2.108	3.035	8.1	20.2
3 22	9 42.23	+ 8 59.5	2.188	3.043	11.4	20.4
351607 2005 VF_{119}			2 19.5 115°.26		3°.3/17.1 18	
1 12	10 39.68	+15 47.0	1.633	2.430	16.6	21.7
1 22	10 34.98	+16 49.8	1.568	2.448	12.9	21.5
2 1	10 27.41	+18 3.0	1.525	2.466	8.6	21.3
2 11	10 17.73	+19 18.4	1.508	2.483	4.5	21.1
2 21	10 7.04	+20 26.8	1.519	2.499	3.8	21.1
3 2	9 56.69	+21 20.3	1.558	2.515	7.5	21.3
3 12	9 47.95	+21 54.5	1.624	2.529	11.6	21.6
3 22	9 41.68	+22 8.4	1.713	2.544	15.1	21.8
354198 2002 EW_{96}			2 19.5 301°.76		0°.9/18.9 18	
1 12	10 34.34	+11 17.0	1.480	2.283	17.8	21.1
1 22	10 31.43	+11 37.3	1.388	2.270	14.1	20.8
2 1	10 25.48	+12 12.9	1.316	2.258	9.6	20.5
2 11	10 17.04	+12 59.2	1.267	2.245	4.5	20.2
2 21	10 7.13	+13 48.9	1.245	2.233	1.5	19.9
3 2	9 57.17	+14 34.0	1.250	2.221	6.8	20.2
3 12	9 48.63	+15 7.6	1.279	2.209	12.0	20.5
3 22	9 42.62	+15 25.8	1.331	2.198	16.5	20.7
307745 2003 UG_{271}			2 19.6 135°.86		5°.1/14.7 18	
1 12	10 39.74	+23 27.8	2.119	2.912	13.4	21.5
1 22	10 34.51	+24 45.0	2.053	2.929	10.5	21.4
2 1	10 26.85	+26 4.6	2.012	2.944	7.5	21.2
2 11	10 17.41	+27 18.6	1.998	2.959	5.4	21.1
2 21	10 7.12	+28 19.1	2.014	2.972	5.7	21.1
3 2	9 57.08	+29 0.5	2.059	2.985	8.2	21.3
3 12	9 48.35	+29 20.5	2.131	2.997	11.1	21.5
3 22	9 41.69	+29 20.1	2.226	3.009	13.7	21.7
53641 2000 DD_{16}			2 19.6 247°.21		3°.3/17.2 18	
1 12	10 37.51	+16 10.8	1.606	2.409	16.6	18.4
1 22	10 33.75	+16 58.7	1.515	2.399	13.0	18.2
2 1	10 26.95	+17 58.2	1.445	2.388	8.8	17.9
2 11	10 17.71	+19 2.0	1.401	2.377	4.6	17.6
2 21	10 7.05	+20 1.4	1.384	2.366	3.9	17.5
3 2	9 56.36	+20 47.7	1.395	2.354	7.9	17.7
3 12	9 47.10	+21 15.4	1.431	2.342	12.5	18.0
3 22	9 40.34	+21 22.6	1.490	2.330	16.5	18.2

2020	α_{2000}	δ_{2000}	Δ	r	β	V
298953 2004 TG_{328}			2 19.6 197°.84		2°.8/17.1 18	
	h m	° ′			°	m
1 12	10 35.92	+14 8.7	1.819	2.613	15.3	20.8
1 22	10 32.04	+15 17.2	1.731	2.611	11.9	20.6
2 1	10 25.52	+16 39.0	1.666	2.608	8.0	20.4
2 11	10 16.94	+18 6.8	1.628	2.604	4.0	20.1
2 21	10 7.19	+19 32.0	1.619	2.600	3.3	20.0
3 2	9 57.46	+20 45.8	1.638	2.595	7.1	20.3
3 12	9 48.97	+21 41.9	1.684	2.590	11.2	20.5
3 22	9 42.63	+22 17.6	1.754	2.584	14.9	20.7
5589 De Meis			2 19.6 252°.18		1°.0/20.4 18	
1 12	10 32.64	+ 6 15.3	2.028	2.797	14.8	18.0
1 22	10 29.10	+ 6 29.7	1.933	2.793	11.8	17.8
2 1	10 23.32	+ 6 58.7	1.860	2.789	8.2	17.5
2 11	10 15.83	+ 7 39.6	1.813	2.786	4.2	17.3
2 21	10 7.39	+ 8 28.1	1.794	2.782	1.1	17.1
3 2	9 58.97	+ 9 18.5	1.804	2.778	4.7	17.3
3 12	9 51.58	+10 5.2	1.842	2.774	8.7	17.5
3 22	9 45.97	+10 43.8	1.905	2.770	12.4	17.8
221392 2005 YF_{39}			2 19.6 51°.67		1°.4/20.4 18	
1 12	10 38.90	+ 8 24.3	1.690	2.466	17.0	19.6
1 22	10 34.15	+ 7 59.2	1.618	2.483	13.5	19.4
2 1	10 26.73	+ 7 46.4	1.569	2.500	9.3	19.2
2 11	10 17.38	+ 7 43.5	1.544	2.517	4.8	19.0
2 21	10 7.14	+ 7 47.2	1.547	2.534	1.4	18.8
3 2	9 57.24	+ 7 53.4	1.578	2.552	5.2	19.1
3 12	9 48.84	+ 7 57.9	1.637	2.570	9.5	19.3
3 22	9 42.72	+ 7 57.9	1.720	2.589	13.3	19.6
63638 2001 QM_{92}			2 19.6 61°.20		2°.9/17.1 18	
1 12	10 35.39	+18 39.2	2.133	2.928	13.3	19.3
1 22	10 31.04	+19 8.0	2.057	2.935	10.3	19.1
2 1	10 24.47	+19 41.5	2.003	2.943	7.0	18.9
2 11	10 16.29	+20 14.3	1.977	2.951	3.8	18.7
2 21	10 7.33	+20 41.0	1.980	2.959	3.3	18.7
3 2	9 58.58	+20 57.2	2.012	2.967	6.2	18.9
3 12	9 51.00	+21 0.3	2.071	2.975	9.5	19.1
3 22	9 45.27	+20 49.8	2.155	2.983	12.5	19.3
138547 2000 QA_{15}			2 19.6 241°.38		0°.4/19.1 17	
1 12	10 31.87	+10 40.3	2.741	3.508	11.4	20.8
1 22	10 27.94	+11 7.0	2.632	3.495	8.9	20.6
2 1	10 22.27	+11 42.9	2.548	3.482	6.0	20.4
2 11	10 15.26	+12 24.8	2.492	3.468	2.8	20.2
2 21	10 7.50	+13 8.8	2.465	3.453	0.8	20.0
3 2	9 59.70	+13 50.9	2.470	3.439	4.1	20.2
3 12	9 52.61	+14 27.0	2.504	3.424	7.4	20.4
3 22	9 46.84	+14 54.4	2.565	3.408	10.3	20.6
133130 2003 PB_{6}			2 19.6 176°.33		1°.5/20.8 18	
1 12	10 35.86	+ 4 34.4	1.960	2.718	15.6	20.9
1 22	10 31.66	+ 4 49.9	1.867	2.720	12.5	20.7
2 1	10 25.08	+ 5 21.9	1.797	2.721	8.8	20.4
2 11	10 16.67	+ 6 7.8	1.752	2.723	4.7	20.2
2 21	10 7.26	+ 7 3.1	1.736	2.723	1.5	20.0
3 2	9 57.90	+ 8 1.6	1.749	2.723	4.9	20.2
3 12	9 49.66	+ 8 57.0	1.791	2.722	9.0	20.4
3 22	9 43.35	+ 9 44.3	1.858	2.721	12.7	20.7
152811 1999 TR_{241}			2 19.6 202°.23		3°.4/15.8 17	
1 12	10 34.74	+20 11.3	2.604	3.391	11.4	20.6
1 22	10 30.30	+21 9.1	2.512	3.387	8.9	20.4
2 1	10 23.91	+22 11.5	2.445	3.382	6.1	20.3
2 11	10 16.04	+23 13.0	2.407	3.376	3.8	20.1
2 21	10 7.37	+24 7.7	2.399	3.369	3.9	20.1
3 2	9 58.73	+24 50.8	2.422	3.362	6.3	20.2
3 12	9 50.95	+25 19.0	2.472	3.355	9.1	20.4
3 22	9 44.72	+25 31.5	2.548	3.347	11.7	20.6
170255 2003 QY_{54}			2 19.6 205°.73		1°.1/18.6 18	
1 12	10 36.60	+11 28.6	2.091	2.867	14.2	21.4
1 22	10 32.20	+12 9.5	1.993	2.862	11.1	21.2
2 1	10 25.44	+13 2.6	1.919	2.855	7.5	20.9
2 11	10 16.85	+14 3.1	1.872	2.848	3.5	20.7
2 21	10 7.23	+15 5.0	1.854	2.841	1.6	20.5
3 2	9 57.59	+16 1.7	1.866	2.832	5.5	20.8
3 12	9 48.99	+16 47.8	1.907	2.823	9.5	21.0
3 22	9 42.26	+17 20.1	1.973	2.813	13.1	21.2
206282 2003 AL_{43}			2 19.6 72°.61		3°.6/15.5 18	
1 12	10 32.52	+18 5.4	2.195	2.993	12.9	20.0
1 22	10 28.71	+19 33.9	2.136	3.018	9.9	19.9
2 1	10 22.84	+21 8.6	2.103	3.043	6.7	19.7
2 11	10 15.50	+22 42.2	2.097	3.067	4.0	19.6
2 21	10 7.48	+24 7.0	2.121	3.092	4.2	19.7
3 2	9 59.68	+25 16.7	2.175	3.117	6.8	19.9
3 12	9 52.98	+26 7.6	2.257	3.141	9.8	20.1
3 22	9 48.00	+26 39.0	2.361	3.165	12.4	20.3

335764 2007 ET_{117} 2 19.6 292°.53 1°.3/18.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 12	10 32.46	+11 57.9	1.875	2.668	15.0	21.1
1 22	10 29.35	+12 32.2	1.771	2.649	11.8	20.9
2 1	10 23.75	+13 19.7	1.690	2.630	8.0	20.6
2 11	10 16.15	+14 15.7	1.634	2.611	3.7	20.3
2 21	10 7.34	+15 14.0	1.606	2.593	1.8	20.1
3 2	9 58.42	+16 7.4	1.606	2.574	6.0	20.4
3 12	9 50.55	+16 49.8	1.633	2.555	10.4	20.6
3 22	9 44.65	+17 17.6	1.684	2.537	14.3	20.8

16083 Jorvik 2 19.6 149°.40 0°.5/19.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 38.20	+ 8 28.9	1.781	2.555	16.3	19.2
1 22	10 33.67	+ 9 17.9	1.700	2.566	12.9	19.0
2 1	10 26.51	+10 23.4	1.641	2.576	8.7	18.7
2 11	10 17.36	+11 40.1	1.609	2.586	4.0	18.5
2 21	10 7.16	+13 0.4	1.606	2.594	1.0	18.3
3 2	9 57.12	+14 15.9	1.632	2.602	5.7	18.6
3 12	9 48.42	+15 19.8	1.687	2.608	10.1	18.9
3 22	9 41.91	+16 7.9	1.765	2.614	13.9	19.1

437385 2013 WH_{39} 2 19.6 93°.39 5°.6/14.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 35.88	+26 42.5	2.237	3.037	12.6	20.6
1 22	10 31.44	+27 47.7	2.172	3.049	10.0	20.5
2 1	10 24.74	+28 52.4	2.132	3.061	7.4	20.3
2 11	10 16.42	+29 49.2	2.119	3.072	5.7	20.2
2 21	10 7.33	+30 31.6	2.134	3.083	6.2	20.3
3 2	9 58.49	+30 55.2	2.178	3.095	8.3	20.4
3 12	9 50.86	+30 58.3	2.247	3.106	10.9	20.6
3 22	9 45.12	+30 42.3	2.339	3.117	13.2	20.8

183320 2002 VE_{42} 2 19.6 155°.74 1°.1/18.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 37.54	+12 39.7	2.181	2.956	13.7	21.1
1 22	10 32.66	+13 7.0	2.096	2.964	10.7	20.9
2 1	10 25.57	+13 43.6	2.035	2.971	7.2	20.7
2 11	10 16.83	+14 24.9	2.001	2.977	3.3	20.5
2 21	10 7.26	+15 5.9	1.996	2.983	1.5	20.4
3 2	9 57.83	+15 41.4	2.022	2.988	5.2	20.6
3 12	9 49.51	+16 7.5	2.077	2.993	8.9	20.9
3 22	9 43.01	+16 22.1	2.157	2.997	12.1	21.1

372056 2008 RU_{107} 2 19.6 318°.12 1°.9/21.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 32.16	+ 4 14.2	1.930	2.695	15.6	21.2
1 22	10 28.84	+ 4 19.0	1.836	2.692	12.5	21.0
2 1	10 23.22	+ 4 40.0	1.764	2.689	8.9	20.8
2 11	10 15.81	+ 5 15.3	1.717	2.686	4.9	20.5
2 21	10 7.43	+ 6 1.0	1.697	2.683	1.9	20.3
3 2	9 59.07	+ 6 51.4	1.706	2.680	4.8	20.5
3 12	9 51.77	+ 7 40.6	1.742	2.678	8.9	20.7
3 22	9 46.33	+ 8 23.3	1.804	2.675	12.6	21.0

518799 2010 BJ_{92} 2 19.6 323°.36 5°.8/14.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 34.02	+23 19.8	1.790	2.604	14.7	20.9
1 22	10 30.70	+24 33.0	1.711	2.599	11.6	20.6
2 1	10 24.67	+25 50.8	1.656	2.594	8.3	20.4
2 11	10 16.55	+27 4.2	1.626	2.589	6.0	20.3
2 21	10 7.30	+28 4.3	1.624	2.585	6.5	20.3
3 2	9 58.16	+28 43.7	1.648	2.581	9.3	20.5
3 12	9 50.37	+28 59.2	1.697	2.577	12.7	20.7
3 22	9 44.81	+28 51.1	1.768	2.573	15.8	20.9

280838 2005 UX_{153} 2 19.6 172°.59 0°.1/19.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 38.68	+ 8 29.6	1.885	2.654	15.7	22.6
1 22	10 33.96	+ 8 56.5	1.796	2.659	12.5	22.3
2 1	10 26.69	+ 9 37.9	1.730	2.662	8.5	22.1
2 11	10 17.45	+10 29.7	1.689	2.664	4.1	21.8
2 21	10 7.15	+11 26.2	1.678	2.666	0.7	21.6
3 2	9 56.94	+12 20.7	1.696	2.667	5.3	21.9
3 12	9 47.97	+13 7.2	1.742	2.667	9.7	22.2
3 22	9 41.10	+13 41.9	1.814	2.666	13.5	22.4

269018 2007 EX_{207} 2 19.6 249°.28 0°.9/20.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 32.84	+ 6 31.7	2.124	2.890	14.3	21.9
1 22	10 29.22	+ 6 49.2	2.021	2.880	11.4	21.7
2 1	10 23.41	+ 7 20.9	1.941	2.871	8.0	21.5
2 11	10 15.90	+ 8 4.2	1.888	2.861	4.0	21.2
2 21	10 7.42	+ 8 54.7	1.863	2.851	0.9	21.0
3 2	9 58.90	+ 9 47.0	1.867	2.840	4.6	21.2
3 12	9 51.32	+10 35.4	1.899	2.830	8.6	21.4
3 22	9 45.45	+11 15.5	1.957	2.819	12.2	21.6

179948 2002 VQ_{125} 2 19.6 43°.07 2°.5/17.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 37.03	+15 59.6	1.584	2.389	16.7	20.0
1 22	10 33.08	+16 24.2	1.511	2.395	13.0	19.8
2 1	10 26.26	+16 57.6	1.459	2.401	8.8	19.5
2 11	10 17.27	+17 33.7	1.432	2.408	4.3	19.3
2 21	10 7.20	+18 5.3	1.432	2.416	3.0	19.2
3 2	9 57.41	+18 26.2	1.459	2.423	7.0	19.5
3 12	9 49.18	+18 32.6	1.512	2.431	11.4	19.7
3 22	9 43.39	+18 23.5	1.588	2.439	15.2	20.0

261294 2005 UV_{170} 2 19.6 233°.08 0°.3/19.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 12	10 34.44	+10 14.4	1.977	2.757	14.7	21.0
1 22	10 30.60	+10 34.8	1.884	2.753	11.6	20.8
2 1	10 24.39	+11 7.4	1.813	2.749	7.9	20.5
2 11	10 16.37	+11 48.3	1.769	2.745	3.7	20.3
2 21	10 7.35	+12 32.4	1.752	2.741	0.8	20.0
3 2	9 58.37	+13 14.0	1.765	2.736	5.2	20.4
3 12	9 50.48	+13 47.9	1.806	2.731	9.3	20.6
3 22	9 44.50	+14 10.8	1.871	2.726	13.0	20.8

9487 Kupe 2 19.6 191°.78 1°.1/18.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 32.79	+11 48.1	2.220	3.001	13.3	18.6
1 22	10 29.02	+12 24.8	2.129	3.000	10.4	18.4
2 1	10 23.16	+13 12.1	2.062	3.000	7.0	18.2
2 11	10 15.73	+14 5.6	2.022	2.999	3.2	17.9
2 21	10 7.46	+14 59.9	2.011	2.997	1.4	17.8
3 2	9 59.25	+15 49.5	2.029	2.996	5.1	18.0
3 12	9 52.01	+16 29.6	2.076	2.995	8.7	18.3
3 22	9 46.44	+16 57.4	2.148	2.993	12.0	18.5

406466 2007 UW_{44} 2 19.6 65°.70 0°.5/19.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 35.65	+ 7 55.2	1.499	2.289	18.2	21.4
1 22	10 32.05	+ 8 11.9	1.428	2.302	14.4	21.2
2 1	10 25.58	+ 8 45.8	1.378	2.315	9.8	21.0
2 11	10 16.96	+ 9 32.5	1.352	2.328	4.8	20.7
2 21	10 7.28	+10 25.3	1.352	2.341	0.7	20.4
3 2	9 57.88	+11 16.6	1.380	2.354	5.8	20.8
3 12	9 50.04	+11 59.7	1.434	2.368	10.6	21.1
3 22	9 44.63	+12 30.3	1.511	2.381	14.7	21.4

337684 2001 TL_{221} 2 19.6 197°.06 2°.9/16.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 35.13	+20 19.4	2.703	3.488	11.1	21.3
1 22	10 30.46	+20 52.8	2.612	3.485	8.6	21.1
2 1	10 23.94	+21 29.2	2.547	3.483	5.9	20.9
2 11	10 16.04	+22 4.0	2.510	3.480	3.5	20.7
2 21	10 7.44	+22 32.7	2.503	3.477	3.3	20.7
3 2	9 58.92	+22 51.4	2.526	3.473	5.7	20.9
3 12	9 51.29	+22 57.9	2.578	3.470	8.4	21.0
3 22	9 45.14	+22 51.7	2.656	3.466	11.0	21.2

435925 2009 BF_{136} 2 19.6 149°.81 2°.2/21.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 33.94	+ 3 41.6	2.454	3.197	13.2	21.2
1 22	10 29.63	+ 3 28.3	2.359	3.199	10.7	21.1
2 1	10 23.43	+ 3 27.0	2.286	3.202	7.7	20.9
2 11	10 15.83	+ 3 36.6	2.240	3.204	4.5	20.7
2 21	10 7.48	+ 3 54.6	2.223	3.207	2.2	20.5
3 2	9 59.19	+ 4 17.9	2.237	3.209	4.1	20.7
3 12	9 51.78	+ 4 42.7	2.279	3.211	7.3	20.9
3 22	9 45.87	+ 5 5.3	2.348	3.213	10.3	21.0

183337 2002 VX_{82} 2 19.6 34°.35 2°.4/17.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 32.54	+13 22.5	1.454	2.267	17.5	20.0
1 22	10 29.79	+14 14.8	1.386	2.276	13.6	19.8
2 1	10 24.15	+15 21.3	1.340	2.285	9.1	19.5
2 11	10 16.31	+16 34.4	1.317	2.295	4.3	19.3
2 21	10 7.39	+17 44.8	1.321	2.306	3.0	19.2
3 2	9 58.73	+18 43.5	1.352	2.317	7.3	19.5
3 12	9 51.63	+19 24.5	1.408	2.329	11.8	19.8
3 22	9 46.98	+19 45.4	1.485	2.341	15.8	20.1

427816 2005 GX_{225} 2 19.6 302°.48 0°.8/20.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 30.64	+ 6 39.2	2.128	2.899	14.1	21.3
1 22	10 27.49	+ 6 57.6	2.027	2.889	11.3	21.0
2 1	10 22.24	+ 7 30.2	1.949	2.880	7.8	20.8
2 11	10 15.35	+ 8 14.1	1.897	2.870	4.0	20.5
2 21	10 7.55	+ 9 5.2	1.873	2.861	0.9	20.3
3 2	9 59.72	+ 9 57.9	1.878	2.852	4.6	20.5
3 12	9 52.81	+10 46.6	1.912	2.843	8.5	20.8
3 22	9 47.57	+11 26.9	1.970	2.835	12.0	21.0

326405 2001 SL_{137} 2 19.6 102°.34 0°.2/19.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 36.61	+ 8 26.5	2.046	2.813	14.7	21.9
1 22	10 31.93	+ 8 50.1	1.974	2.835	11.6	21.7
2 1	10 25.05	+ 9 26.2	1.924	2.856	7.8	21.6
2 11	10 16.58	+10 11.0	1.902	2.877	3.7	21.3
2 21	10 7.38	+10 59.3	1.908	2.897	0.6	21.1
3 2	9 58.42	+11 45.4	1.945	2.916	4.7	21.5
3 12	9 50.67	+12 24.7	2.010	2.935	8.5	21.7
3 22	9 44.78	+12 53.9	2.100	2.954	11.8	22.0

131035 2000 XV_{53} 2 19.6 121°.06 1°.1/20.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 36.21	+ 5 59.0	1.739	2.510	16.8	20.7
1 22	10 32.15	+ 6 16.1	1.659	2.521	13.4	20.5
2 1	10 25.51	+ 6 50.2	1.601	2.530	9.3	20.3
2 11	10 16.91	+ 7 37.9	1.567	2.540	4.7	20.0
2 21	10 7.31	+ 8 33.5	1.561	2.549	1.1	19.8
3 2	9 57.89	+ 9 30.2	1.584	2.558	5.2	20.1
3 12	9 49.79	+10 21.5	1.634	2.567	9.6	20.3
3 22	9 43.85	+11 2.5	1.709	2.575	13.5	20.6

495443 2014 SD_{329} 2 19.6 144°.32 6°.5/13.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 12	10 40.57	+28 47.6	2.149	2.943	13.2	21.3
1 22	10 35.27	+29 57.3	2.082	2.953	10.6	21.1
2 1	10 27.44	+31 5.3	2.040	2.962	8.1	21.0
2 11	10 17.75	+32 2.9	2.025	2.971	6.6	20.9
2 21	10 7.18	+32 43.2	2.038	2.979	7.1	20.9
3 2	9 56.88	+33 1.3	2.079	2.986	9.2	21.1
3 12	9 47.96	+32 56.4	2.146	2.993	11.8	21.3
3 22	9 41.20	+32 30.4	2.235	2.999	14.2	21.4

69944 1998 UM_{35} 2 19.6 239°.53 0°.9/20.5 18 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 32.76	+ 6 15.8	2.460	3.216	12.8	20.0
1 22	10 28.86	+ 6 31.9	2.351	3.204	10.3	19.8
2 1	10 23.03	+ 7 0.5	2.265	3.191	7.2	19.6
2 11	10 15.70	+ 7 39.2	2.206	3.178	3.7	19.4
2 21	10 7.51	+ 8 24.5	2.176	3.164	0.9	19.1
3 2	9 59.27	+ 9 11.8	2.177	3.150	4.1	19.4
3 12	9 51.81	+ 9 56.4	2.208	3.136	7.7	19.6
3 22	9 45.82	+10 34.5	2.264	3.121	11.0	19.7

220763 2004 TQ_{117} 2 19.6 68°.12 1°.6/18.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 33.61	+13 11.0	1.914	2.706	14.7	20.2
1 22	10 29.96	+13 47.8	1.833	2.711	11.5	20.0
2 1	10 23.94	+14 35.3	1.775	2.716	7.7	19.8
2 11	10 16.15	+15 28.3	1.743	2.721	3.6	19.5
2 21	10 7.45	+16 20.2	1.740	2.726	2.0	19.4
3 2	9 58.89	+17 5.0	1.765	2.731	5.8	19.7
3 12	9 51.51	+17 37.8	1.818	2.736	9.8	19.9
3 22	9 46.09	+17 56.3	1.894	2.741	13.2	20.1

402880 2007 RM_{261} 2 19.6 123°.01 3°.6/16.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 38.09	+17 42.5	1.707	2.508	15.8	21.7
1 22	10 33.76	+18 36.0	1.635	2.517	12.3	21.5
2 1	10 26.66	+19 37.8	1.584	2.526	8.3	21.3
2 11	10 17.47	+20 40.2	1.560	2.534	4.6	21.1
2 21	10 7.23	+21 34.8	1.564	2.542	4.2	21.1
3 2	9 57.24	+22 14.7	1.596	2.550	7.6	21.3
3 12	9 48.73	+22 35.8	1.654	2.557	11.6	21.5
3 22	9 42.58	+22 37.7	1.735	2.565	15.0	21.8

238020 2002 UY_{58} 2 19.6 302°.89 5°.8/13.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 32.71	+24 49.2	2.060	2.869	13.2	20.5
1 22	10 29.41	+26 6.5	1.975	2.859	10.5	20.3
2 1	10 23.69	+27 27.2	1.914	2.848	7.7	20.1
2 11	10 16.09	+28 43.0	1.880	2.838	5.9	20.0
2 21	10 7.45	+29 45.9	1.874	2.827	6.5	20.0
3 2	9 58.84	+30 29.3	1.895	2.817	9.0	20.1
3 12	9 51.35	+30 49.9	1.941	2.807	12.0	20.3
3 22	9 45.81	+30 47.8	2.009	2.798	14.8	20.5

62054 2000 RD_{69} 2 19.6 130°.09 0°.9/18.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 32.90	+12 58.3	2.768	3.540	11.2	19.7
1 22	10 28.57	+13 22.2	2.683	3.549	8.7	19.6
2 1	10 22.58	+13 52.9	2.623	3.559	5.8	19.4
2 11	10 15.38	+14 27.1	2.592	3.568	2.7	19.2
2 21	10 7.60	+15 0.9	2.590	3.577	1.2	19.1
3 2	9 59.93	+15 30.6	2.620	3.586	4.2	19.3
3 12	9 53.08	+15 53.2	2.679	3.594	7.1	19.5
3 22	9 47.59	+16 7.0	2.764	3.602	9.8	19.7

284375 2006 SJ_{285} 2 19.6 203°.69 2°.3/16.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 33.28	+17 53.9	2.832	3.614	10.7	21.6
1 22	10 28.96	+18 30.9	2.737	3.610	8.3	21.5
2 1	10 22.91	+19 12.5	2.668	3.606	5.6	21.3
2 11	10 15.58	+19 54.5	2.628	3.601	3.0	21.1
2 21	10 7.56	+20 32.6	2.617	3.596	2.7	21.1
3 2	9 59.59	+21 2.7	2.638	3.590	5.1	21.2
3 12	9 52.40	+21 22.1	2.687	3.585	7.9	21.4
3 22	9 46.57	+21 29.7	2.762	3.578	10.4	21.5

369784 2012 GJ_{31} 2 19.6 332°.47 0°.8/18.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 29.19	+ 9 32.4	1.456	2.265	17.7	20.5
1 22	10 27.41	+10 9.4	1.366	2.252	14.0	20.2
2 1	10 22.77	+11 5.5	1.296	2.240	9.5	19.9
2 11	10 15.81	+12 15.7	1.250	2.228	4.4	19.6
2 21	10 7.50	+13 31.9	1.230	2.218	1.4	19.4
3 2	9 59.14	+14 44.7	1.235	2.208	6.7	19.7
3 12	9 52.13	+15 45.0	1.266	2.199	11.8	19.9
3 22	9 47.50	+16 27.6	1.318	2.191	16.3	20.2

423189 2004 NL_{15} 2 19.6 189°.07 3°.5/22.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 35.79	− 1 11.4	2.654	3.365	13.1	22.0
1 22	10 30.98	− 1 28.2	2.549	3.364	10.8	21.8
2 1	10 24.32	− 1 31.3	2.466	3.362	8.2	21.7
2 11	10 16.27	− 1 20.8	2.410	3.360	5.4	21.5
2 21	10 7.45	− 0 58.3	2.383	3.356	3.5	21.4
3 2	9 58.61	− 0 26.8	2.387	3.353	4.5	21.4
3 12	9 50.57	+ 0 9.8	2.420	3.348	7.2	21.6
3 22	9 43.93	+ 0 47.2	2.481	3.343	10.0	21.7

430887 2005 QE_{149} 2 19.6 269°.49 2°.8/22.7 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 12	10 31.42	− 0 53.8	2.818	3.536	12.2	22.5
1 22	10 27.68	− 0 47.0	2.686	3.507	10.1	22.3
2 1	10 22.19	− 0 25.5	2.576	3.478	7.6	22.1
2 11	10 15.32	+ 0 10.2	2.493	3.447	4.9	21.9
2 21	10 7.59	+ 0 58.0	2.439	3.417	2.9	21.7
3 2	9 59.69	+ 1 54.7	2.415	3.385	4.1	21.7
3 12	9 52.35	+ 2 55.4	2.422	3.353	7.0	21.9
3 22	9 46.22	+ 3 55.5	2.456	3.321	9.9	22.0

291295 2006 BF_{135} 2 19.6 119°.43 1°.5/18.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 35.58	+11 14.4	1.534	2.333	17.5	21.5
1 22	10 32.12	+11 58.7	1.456	2.337	13.7	21.2
2 1	10 25.75	+12 58.9	1.399	2.341	9.2	21.0
2 11	10 17.12	+14 8.8	1.367	2.345	4.3	20.7
2 21	10 7.30	+15 19.9	1.362	2.349	2.0	20.6
3 2	9 57.64	+16 23.2	1.384	2.353	6.7	20.9
3 12	9 49.46	+17 11.8	1.433	2.356	11.5	21.1
3 22	9 43.73	+17 42.3	1.504	2.360	15.6	21.4

36833 2000 SY_{103} 2 19.6 16°.90 3°.1/22.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 29.19	− 0 44.7	2.264	3.002	14.3	19.2
1 22	10 26.15	− 0 39.6	2.170	3.004	11.8	19.0
2 1	10 21.21	− 0 17.3	2.098	3.005	8.7	18.8
2 11	10 14.84	+ 0 21.2	2.050	3.008	5.5	18.6
2 21	10 7.71	+ 1 13.0	2.031	3.010	3.2	18.5
3 2	10 0.62	+ 2 13.2	2.041	3.012	4.5	18.5
3 12	9 54.41	+ 3 16.2	2.079	3.015	7.6	18.7
3 22	9 49.70	+ 4 16.3	2.142	3.018	10.7	18.9

192152 2006 HC_{7} 2 19.6 11°.82 7°.0/26.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 28.97	− 9 50.8	1.849	2.554	18.1	19.6
1 22	10 26.49	−10 9.5	1.758	2.556	15.6	19.4
2 1	10 21.72	−10 1.9	1.686	2.557	12.7	19.2
2 11	10 15.18	− 9 26.3	1.635	2.559	9.6	19.0
2 21	10 7.65	− 8 24.0	1.608	2.562	7.4	18.9
3 2	10 0.15	− 6 59.9	1.608	2.565	7.3	18.9
3 12	9 53.73	− 5 22.5	1.635	2.568	9.5	19.0
3 22	9 49.17	− 3 41.1	1.686	2.572	12.6	19.2

502734 2015 DW_{35} 2 19.6 230°.16 1°.5/18.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 32.52	+13 32.6	2.302	3.087	12.8	21.5
1 22	10 28.76	+14 6.8	2.210	3.084	10.0	21.3
2 1	10 22.99	+14 49.8	2.142	3.081	6.7	21.1
2 11	10 15.68	+15 37.2	2.102	3.079	3.1	20.9
2 21	10 7.57	+16 24.0	2.090	3.076	1.8	20.8
3 2	9 59.51	+17 5.0	2.109	3.073	5.2	21.0
3 12	9 52.39	+17 36.0	2.155	3.070	8.6	21.2
3 22	9 46.87	+17 54.9	2.227	3.067	11.8	21.4

345564 2006 RG_{77} 2 19.6 82°.52 1°.1/20.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 30.07	+ 4 53.4	2.390	3.148	13.1	21.1
1 22	10 26.69	+ 5 19.2	2.301	3.154	10.4	21.0
2 1	10 21.49	+ 5 58.7	2.236	3.161	7.3	20.8
2 11	10 14.94	+ 6 49.3	2.197	3.168	3.8	20.6
2 21	10 7.70	+ 7 46.7	2.187	3.175	1.1	20.4
3 2	10 0.54	+ 8 46.0	2.207	3.181	4.0	20.6
3 12	9 54.24	+ 9 42.0	2.257	3.188	7.4	20.8
3 22	9 49.40	+10 30.5	2.332	3.195	10.5	21.0

455847 2005 TS_{158} 2 19.6 121°.21 0°.6/19.2 15

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 40.66	+10 25.0	1.676	2.456	17.0	22.8
1 22	10 35.66	+10 51.0	1.604	2.473	13.3	22.6
2 1	10 27.88	+11 30.5	1.554	2.490	9.0	22.3
2 11	10 18.03	+12 18.5	1.529	2.506	4.2	22.1
2 21	10 7.20	+13 8.1	1.533	2.521	1.1	21.9
3 2	9 56.68	+13 52.7	1.565	2.535	5.9	22.3
3 12	9 47.68	+14 26.7	1.625	2.549	10.3	22.5
3 22	9 41.07	+14 47.4	1.709	2.562	14.1	22.8

87726 2000 SZ_{46} 2 19.6 265°.83 5°.7/24.9 18 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 30.51	− 7 36.9	2.020	2.727	16.7	20.1
1 22	10 27.61	− 7 38.8	1.911	2.715	14.3	19.9
2 1	10 22.48	− 7 16.5	1.821	2.703	11.4	19.7
2 11	10 15.57	− 6 28.7	1.755	2.690	8.3	19.4
2 21	10 7.59	− 5 17.2	1.714	2.678	5.9	19.3
3 2	9 59.50	− 3 46.7	1.702	2.665	6.3	19.3
3 12	9 52.32	− 2 5.4	1.717	2.652	9.0	19.4
3 22	9 46.89	− 0 22.2	1.758	2.639	12.4	19.6

450003 2015 PT_{291} 2 19.6 171°.85 1°.2/20.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 39.45	+ 4 36.2	1.997	2.746	15.6	24.3
1 22	10 34.44	+ 5 6.3	1.904	2.752	12.5	24.0
2 1	10 26.98	+ 5 53.7	1.834	2.757	8.8	23.8
2 11	10 17.64	+ 6 55.1	1.790	2.761	4.5	23.6
2 21	10 7.26	+ 8 5.2	1.776	2.763	1.2	23.3
3 2	9 56.94	+ 9 16.9	1.792	2.765	4.9	23.6
3 12	9 47.77	+10 23.5	1.838	2.765	9.1	23.8
3 22	9 40.59	+11 19.9	1.909	2.763	12.8	24.1

465666 2009 SP_{51} 2 19.6 101°.94 0°.2/19.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 12	10 39.63	+11 14.8	2.124	2.892	14.2	21.8
1 22	10 34.18	+11 19.3	2.051	2.913	11.1	21.7
2 1	10 26.52	+11 32.7	2.001	2.933	7.5	21.5
2 11	10 17.29	+11 51.6	1.978	2.953	3.5	21.3
2 21	10 7.34	+12 11.9	1.985	2.973	0.7	21.1
3 2	9 57.69	+12 29.3	2.022	2.992	4.7	21.4
3 12	9 49.27	+12 40.6	2.088	3.011	8.4	21.7
3 22	9 42.75	+12 44.0	2.180	3.029	11.7	21.9

474084 2016 JD_{36} 2 19.6 321°.39 4°.9/14.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 30.35	+19 4.5	1.706	2.524	15.1	20.5
1 22	10 28.02	+20 31.5	1.620	2.512	11.8	20.3
2 1	10 23.02	+22 9.6	1.556	2.500	8.2	20.0
2 11	10 15.90	+23 49.5	1.518	2.488	5.3	19.8
2 21	10 7.54	+25 21.0	1.508	2.477	5.7	19.8
3 2	9 59.15	+26 34.4	1.524	2.467	9.1	20.0
3 12	9 52.00	+27 23.8	1.566	2.457	12.9	20.2
3 22	9 47.04	+27 47.5	1.628	2.447	16.3	20.4

352714 2008 SS_{195} 2 19.6 320°.48 5°.4/16.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 37.97	+20 40.4	1.383	2.203	17.9	20.4
1 22	10 34.55	+21 34.9	1.307	2.199	14.1	20.1
2 1	10 27.72	+22 37.1	1.252	2.195	9.8	19.8
2 11	10 18.18	+23 37.3	1.220	2.191	6.1	19.6
2 21	10 7.17	+24 24.7	1.215	2.188	6.1	19.6
3 2	9 56.35	+24 50.9	1.235	2.185	9.8	19.8
3 12	9 47.33	+24 52.1	1.278	2.182	14.2	20.0
3 22	9 41.23	+24 29.2	1.342	2.179	18.2	20.3

210823 2001 NV_{17} 2 19.6 149°.72 1°.4/20.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 34.76	+ 5 54.6	2.537	3.285	12.7	20.6
1 22	10 30.20	+ 5 48.3	2.443	3.290	10.1	20.4
2 1	10 23.79	+ 5 52.5	2.373	3.295	7.1	20.2
2 11	10 16.02	+ 6 5.6	2.330	3.299	3.9	20.0
2 21	10 7.55	+ 6 24.9	2.317	3.303	1.4	19.8
3 2	9 59.16	+ 6 47.1	2.335	3.308	3.9	20.0
3 12	9 51.64	+ 7 8.6	2.382	3.311	7.2	20.2
3 22	9 45.60	+ 7 26.5	2.455	3.315	10.1	20.4

419307 2009 WL_{66} 2 19.6 127°.15 7°.7/12.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 38.27	+31 22.3	2.059	2.860	13.5	21.1
1 22	10 33.74	+32 46.3	1.996	2.866	11.0	21.0
2 1	10 26.56	+34 6.9	1.957	2.872	8.8	20.8
2 11	10 17.42	+35 14.9	1.944	2.878	7.7	20.8
2 21	10 7.32	+36 2.3	1.958	2.884	8.4	20.8
3 2	9 57.47	+36 24.2	1.999	2.889	10.4	21.0
3 12	9 49.04	+36 19.8	2.064	2.895	12.8	21.1
3 22	9 42.83	+35 51.6	2.150	2.900	15.1	21.3

375333 2008 RJ_{143} 2 19.6 117°.20 0°.8/18.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 34.08	+11 37.9	2.147	2.927	13.7	21.6
1 22	10 30.04	+12 4.7	2.064	2.934	10.7	21.4
2 1	10 23.86	+12 41.7	2.003	2.940	7.2	21.2
2 11	10 16.11	+13 24.6	1.970	2.947	3.3	20.9
2 21	10 7.54	+14 8.4	1.965	2.953	1.2	20.8
3 2	9 59.11	+14 47.9	1.990	2.959	5.0	21.1
3 12	9 51.74	+15 18.8	2.044	2.965	8.7	21.3
3 22	9 46.11	+15 38.5	2.122	2.970	11.9	21.5

474017 2016 GP_{10} 2 19.6 253°.10 2°.0/21.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 31.65	+ 2 18.3	2.185	2.935	14.4	22.0
1 22	10 28.30	+ 2 39.7	2.076	2.922	11.7	21.8
2 1	10 22.84	+ 3 18.6	1.989	2.908	8.5	21.6
2 11	10 15.71	+ 4 13.2	1.927	2.894	4.8	21.3
2 21	10 7.60	+ 5 19.6	1.894	2.880	2.0	21.1
3 2	9 59.39	+ 6 32.1	1.891	2.865	4.5	21.3
3 12	9 52.04	+ 7 44.0	1.916	2.850	8.3	21.5
3 22	9 46.31	+ 8 49.5	1.967	2.835	11.9	21.7

359761 2011 UE_{105} 2 19.6 242°.34 4°.4/16.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 38.31	+19 42.7	1.750	2.552	15.5	21.4
1 22	10 34.20	+20 37.9	1.659	2.542	12.2	21.2
2 1	10 27.20	+21 40.8	1.591	2.531	8.4	20.9
2 11	10 17.88	+22 43.6	1.548	2.519	5.1	20.7
2 21	10 7.24	+23 37.6	1.534	2.508	5.0	20.6
3 2	9 56.60	+24 15.0	1.547	2.496	8.4	20.8
3 12	9 47.31	+24 31.6	1.586	2.483	12.4	21.0
3 22	9 40.40	+24 27.0	1.648	2.470	16.0	21.2

130912 2000 VJ_{56} 2 19.6 178°.63 0°.3/19.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 37.98	+ 9 49.2	2.116	2.883	14.3	20.7
1 22	10 33.18	+10 15.4	2.023	2.885	11.3	20.5
2 1	10 26.06	+10 53.6	1.954	2.887	7.7	20.3
2 11	10 17.19	+11 39.8	1.912	2.888	3.6	20.1
2 21	10 7.37	+12 28.8	1.899	2.888	0.8	19.8
3 2	9 57.62	+13 15.1	1.917	2.887	5.0	20.1
3 12	9 48.95	+13 53.5	1.964	2.885	9.0	20.4
3 22	9 42.15	+14 21.1	2.036	2.883	12.4	20.6

55324 2001 SH_{106} 2 19.6 208°.36 3°.2/16.5 18 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 12	10 36.70	+21 22.8	2.563	3.349	11.6	18.9
1 22	10 31.81	+21 50.2	2.473	3.346	9.0	18.7
2 1	10 24.93	+22 19.8	2.408	3.343	6.3	18.5
2 11	10 16.58	+22 46.7	2.371	3.340	3.8	18.3
2 21	10 7.48	+23 6.3	2.364	3.337	3.6	18.3
3 2	9 58.49	+23 14.9	2.387	3.333	6.0	18.5
3 12	9 50.47	+23 10.6	2.438	3.329	8.9	18.6
3 22	9 44.07	+22 53.3	2.514	3.325	11.5	18.8

370052 2000 SM_{308} 2 19.6 169°.14 2°.1/17.6 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 38.77	+17 20.6	2.597	3.370	11.8	21.6
1 22	10 33.30	+17 45.8	2.508	3.375	9.2	21.5
2 1	10 25.87	+18 15.6	2.444	3.380	6.2	21.3
2 11	10 17.01	+18 45.6	2.409	3.383	3.2	21.1
2 21	10 7.42	+19 11.3	2.405	3.386	2.5	21.0
3 2	9 57.95	+19 29.0	2.432	3.388	5.2	21.2
3 12	9 49.46	+19 36.2	2.488	3.390	8.2	21.4
3 22	9 42.57	+19 32.2	2.571	3.391	11.0	21.6

401844 1999 VM_{105} 2 19.6 81°.67 0°.1/19.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 37.59	+ 9 0.8	1.653	2.436	17.1	21.6
1 22	10 33.21	+ 9 27.4	1.589	2.459	13.4	21.4
2 1	10 26.17	+10 8.9	1.546	2.482	9.0	21.2
2 11	10 17.21	+11 0.1	1.528	2.504	4.2	21.0
2 21	10 7.39	+11 54.4	1.538	2.526	0.8	20.8
3 2	9 57.93	+12 44.9	1.577	2.548	5.6	21.2
3 12	9 49.97	+13 25.7	1.642	2.570	9.9	21.5
3 22	9 44.28	+13 53.6	1.732	2.591	13.7	21.7

40991 1999 UA_{1} 2 19.6 168°.71 3°.3/16.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 39.29	+19 1.8	2.227	3.012	13.1	20.0
1 22	10 34.11	+19 51.5	2.144	3.018	10.2	19.8
2 1	10 26.63	+20 46.6	2.086	3.022	7.0	19.6
2 11	10 17.43	+21 41.0	2.055	3.026	4.0	19.4
2 21	10 7.35	+22 28.1	2.054	3.029	3.8	19.4
3 2	9 57.41	+23 2.7	2.084	3.031	6.6	19.6
3 12	9 48.61	+23 21.7	2.141	3.033	9.9	19.8
3 22	9 41.70	+23 24.4	2.223	3.034	12.8	20.0

284301 2006 OZ_{6} 2 19.6 198°.24 0°.6/18.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 30.47	+ 9 44.4	2.676	3.445	11.6	21.2
1 22	10 26.90	+10 34.2	2.579	3.443	9.1	21.1
2 1	10 21.61	+11 35.1	2.505	3.440	6.1	20.9
2 11	10 15.03	+12 43.1	2.461	3.437	2.8	20.6
2 21	10 7.75	+13 53.4	2.446	3.434	1.0	20.5
3 2	10 0.48	+15 0.7	2.463	3.430	4.2	20.7
3 12	9 53.94	+16 0.4	2.509	3.426	7.5	20.9
3 22	9 48.73	+16 49.1	2.582	3.422	10.3	21.1

419201 2009 UW_{82} 2 19.6 93°.79 2°.8/17.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 35.60	+16 44.3	2.038	2.831	13.9	21.6
1 22	10 31.29	+17 35.5	1.970	2.849	10.7	21.4
2 1	10 24.71	+18 33.8	1.926	2.866	7.2	21.2
2 11	10 16.50	+19 33.0	1.908	2.883	3.8	21.1
2 21	10 7.52	+20 26.4	1.920	2.899	3.3	21.1
3 2	9 58.79	+21 8.4	1.960	2.916	6.3	21.3
3 12	9 51.27	+21 35.4	2.029	2.932	9.7	21.5
3 22	9 45.67	+21 46.3	2.121	2.947	12.8	21.7

192375 1996 BR_{7} 2 19.6 65°.00 1°.4/18.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 33.73	+13 0.3	2.007	2.796	14.2	21.0
1 22	10 29.98	+13 30.8	1.922	2.798	11.1	20.7
2 1	10 23.95	+14 11.3	1.860	2.800	7.4	20.5
2 11	10 16.20	+14 57.2	1.825	2.802	3.5	20.3
2 21	10 7.56	+15 42.8	1.818	2.804	1.8	20.2
3 2	9 59.03	+16 22.2	1.840	2.806	5.5	20.4
3 12	9 51.61	+16 51.1	1.889	2.808	9.4	20.6
3 22	9 46.06	+17 7.1	1.963	2.810	12.8	20.9

221187 2005 UV_{31} 2 19.6 93°.22 0°.8/20.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 33.52	+ 6 47.9	1.889	2.662	15.6	21.2
1 22	10 29.92	+ 7 6.5	1.804	2.667	12.4	20.9
2 1	10 23.96	+ 7 40.3	1.740	2.672	8.5	20.7
2 11	10 16.23	+ 8 26.1	1.703	2.677	4.3	20.5
2 21	10 7.56	+ 9 18.7	1.693	2.681	0.8	20.2
3 2	9 59.00	+10 11.9	1.712	2.686	4.9	20.5
3 12	9 51.59	+10 59.7	1.759	2.691	9.1	20.8
3 22	9 46.11	+11 37.7	1.830	2.695	12.8	21.0

94605 2001 VA_{101} 2 19.6 275°.31 3°.3/21.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 35.65	+ 2 55.8	1.550	2.319	18.6	20.2
1 22	10 32.39	+ 2 37.6	1.450	2.306	15.3	20.0
2 1	10 26.17	+ 2 38.5	1.370	2.292	11.2	19.7
2 11	10 17.50	+ 2 58.2	1.312	2.279	6.6	19.4
2 21	10 7.32	+ 3 33.8	1.281	2.265	3.3	19.1
3 2	9 56.99	+ 4 19.6	1.277	2.251	6.1	19.3
3 12	9 47.93	+ 5 8.0	1.298	2.237	10.9	19.5
3 22	9 41.28	+ 5 52.2	1.342	2.223	15.5	19.7

275680 2000 SV_{27} 2 19.6 101°.60 1°.6/20.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 12	10 37.34	+ 5 28.8	2.148	2.900	14.6	21.6
1 22	10 32.41	+ 5 27.3	2.072	2.921	11.6	21.4
2 1	10 25.36	+ 5 38.8	2.018	2.941	8.1	21.2
2 11	10 16.78	+ 6 0.9	1.991	2.961	4.4	21.0
2 21	10 7.49	+ 6 30.2	1.994	2.980	1.6	20.9
3 2	9 58.43	+ 7 2.1	2.026	2.999	4.4	21.1
3 12	9 50.50	+ 7 32.4	2.087	3.018	8.0	21.4
3 22	9 44.37	+ 7 57.4	2.175	3.036	11.2	21.6

480459 2015 LP_{2} 2 19.6 266°.23 7°.1/28.5 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 29.80	−17 18.0	2.981	3.591	13.5	22.4
1 22	10 26.39	−17 33.5	2.851	3.567	12.1	22.3
2 1	10 21.32	−17 28.9	2.738	3.543	10.5	22.1
2 11	10 14.94	−17 2.1	2.648	3.518	8.8	21.9
2 21	10 7.77	−16 12.5	2.584	3.493	7.4	21.8
3 2	10 0.45	−15 1.7	2.547	3.467	7.1	21.8
3 12	9 53.71	−13 34.0	2.539	3.441	8.1	21.8
3 22	9 48.15	−11 55.6	2.557	3.415	9.9	21.8

303975 2006 BD_{45} 2 19.6 298°.06 0°.6/19.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 37.98	+ 9 33.0	1.478	2.270	18.3	20.9
1 22	10 34.26	+ 9 22.6	1.389	2.263	14.7	20.6
2 1	10 27.41	+ 9 26.1	1.319	2.256	10.2	20.3
2 11	10 18.05	+ 9 40.4	1.274	2.250	5.0	20.0
2 21	10 7.25	+10 0.8	1.255	2.243	0.9	19.7
3 2	9 56.47	+10 21.3	1.262	2.237	6.2	20.0
3 12	9 47.21	+10 36.4	1.296	2.231	11.4	20.3
3 22	9 40.56	+10 42.2	1.352	2.225	15.9	20.6

75186 1999 VX_{160} 2 19.6 189°.85 1°.0/18.7 18 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 37.23	+11 55.1	2.182	2.956	13.7	20.8
1 22	10 32.57	+12 28.0	2.088	2.955	10.8	20.6
2 1	10 25.66	+13 11.4	2.017	2.953	7.3	20.4
2 11	10 17.02	+14 1.0	1.974	2.951	3.4	20.2
2 21	10 7.44	+14 51.2	1.960	2.947	1.4	20.0
3 2	9 57.90	+15 36.4	1.977	2.944	5.2	20.3
3 12	9 49.40	+16 12.1	2.023	2.939	9.0	20.5
3 22	9 42.70	+16 35.5	2.093	2.934	12.4	20.7

129773 Catmerrill 2 19.6 273°.45 3°.1/21.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 33.34	+ 1 16.5	1.675	2.437	17.7	20.5
1 22	10 30.42	+ 1 20.9	1.567	2.417	14.6	20.2
2 1	10 24.76	+ 1 47.2	1.478	2.398	10.8	19.9
2 11	10 16.82	+ 2 34.9	1.413	2.378	6.4	19.6
2 21	10 7.44	+ 3 40.4	1.374	2.358	3.1	19.4
3 2	9 57.82	+ 4 56.9	1.363	2.338	5.8	19.5
3 12	9 49.28	+ 6 15.5	1.378	2.317	10.5	19.7
3 22	9 42.91	+ 7 28.0	1.418	2.296	15.0	19.9

44722 1999 TQ_{10} 2 19.6 227°.78 1°.3/18.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 39.15	+11 52.1	1.658	2.445	16.8	20.3
1 22	10 34.96	+12 21.8	1.562	2.436	13.3	20.1
2 1	10 27.80	+13 5.5	1.487	2.425	9.0	19.8
2 11	10 18.23	+13 58.2	1.437	2.414	4.2	19.5
2 21	10 7.23	+14 52.7	1.415	2.403	1.8	19.3
3 2	9 56.17	+15 41.1	1.422	2.390	6.6	19.6
3 12	9 46.44	+16 17.1	1.456	2.377	11.5	19.8
3 22	9 39.14	+16 37.4	1.512	2.364	15.7	20.0

7142 Spinoza 2 19.6 290°.04 0°.1/19.5 18 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 31.12	+ 9 32.3	2.338	3.112	12.9	18.0
1 22	10 27.70	+ 9 53.6	2.236	3.102	10.2	17.8
2 1	10 22.32	+10 26.0	2.157	3.092	6.9	17.5
2 11	10 15.44	+11 6.3	2.106	3.082	3.3	17.3
2 21	10 7.71	+11 50.2	2.083	3.071	0.6	17.0
3 2	9 59.97	+12 33.0	2.090	3.061	4.5	17.3
3 12	9 53.08	+13 10.0	2.125	3.051	8.1	17.5
3 22	9 47.71	+13 38.0	2.186	3.041	11.4	17.7

482802 2013 TL_{114} 2 19.6 29°.13 6°.4/23.3 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 29.45	− 1 6.8	0.729	1.560	28.5	20.8
1 22	10 29.09	− 1 48.5	0.691	1.578	23.5	20.6
2 1	10 24.50	− 1 50.5	0.665	1.599	17.5	20.4
2 11	10 16.73	− 1 12.6	0.656	1.622	11.2	20.1
2 21	10 7.54	− 0 2.2	0.665	1.646	6.6	20.0
3 2	9 59.06	+ 1 26.7	0.694	1.672	8.5	20.2
3 12	9 53.18	+ 2 57.2	0.743	1.700	13.7	20.6
3 22	9 50.85	+ 4 15.7	0.811	1.729	18.8	21.0

416624 2004 RG_{215} 2 19.6 138°.39 2°.2/21.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 36.86	+ 3 6.4	2.553	3.285	13.0	21.2
1 22	10 31.77	+ 2 57.5	2.465	3.298	10.5	21.0
2 1	10 24.82	+ 3 0.7	2.399	3.311	7.6	20.8
2 11	10 16.53	+ 3 14.6	2.360	3.323	4.4	20.7
2 21	10 7.56	+ 3 37.0	2.352	3.335	2.2	20.5
3 2	9 58.72	+ 4 4.3	2.375	3.346	4.0	20.7
3 12	9 50.78	+ 4 32.8	2.427	3.356	7.1	20.9
3 22	9 44.35	+ 4 58.9	2.507	3.366	10.0	21.1

115249 2003 SE_{156} 2 19.6 162°.09 0°.3/19.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 12	10 32.58	+ 7 54.0	2.213	2.982	13.7	20.5
1 22	10 28.87	+ 8 17.7	2.122	2.984	10.8	20.3
2 1	10 23.10	+ 8 54.2	2.054	2.985	7.4	20.1
2 11	10 15.80	+ 9 40.1	2.012	2.987	3.6	19.8
2 21	10 7.68	+10 30.8	2.000	2.988	0.5	19.6
3 2	9 59.61	+11 21.0	2.017	2.989	4.5	19.9
3 12	9 52.51	+12 5.7	2.062	2.990	8.2	20.1
3 22	9 47.04	+12 41.3	2.133	2.991	11.5	20.3

286127 2001 TE_{155} 2 19.6 83°.81 4°.0/23.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 30.41	− 3 44.8	2.403	3.119	14.2	20.9
1 22	10 26.97	− 3 49.4	2.312	3.127	11.8	20.7
2 1	10 21.71	− 3 36.4	2.242	3.134	9.0	20.5
2 11	10 15.11	− 3 6.2	2.197	3.142	6.2	20.4
2 21	10 7.79	− 2 21.2	2.180	3.150	4.2	20.3
3 2	10 0.55	− 1 25.4	2.192	3.158	4.8	20.3
3 12	9 54.16	− 0 24.1	2.232	3.166	7.3	20.5
3 22	9 49.22	+ 0 37.1	2.299	3.174	10.1	20.7

436898 2012 TW_{55} 2 19.6 85°.03 2°.4/17.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 33.50	+17 0.2	2.377	3.165	12.3	21.5
1 22	10 29.38	+17 36.6	2.300	3.176	9.5	21.3
2 1	10 23.31	+18 18.6	2.248	3.187	6.4	21.2
2 11	10 15.84	+19 1.4	2.223	3.198	3.3	21.0
2 21	10 7.69	+19 39.9	2.228	3.209	2.7	21.0
3 2	9 59.70	+20 9.6	2.263	3.219	5.5	21.2
3 12	9 52.71	+20 27.6	2.325	3.230	8.6	21.4
3 22	9 47.33	+20 32.8	2.413	3.241	11.4	21.6

378805 2008 SD_{187} 2 19.6 238°.37 2°.8/22.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 32.35	+ 0 41.5	2.291	3.028	14.2	21.7
1 22	10 28.71	+ 0 42.8	2.185	3.020	11.6	21.5
2 1	10 23.04	+ 1 0.2	2.100	3.011	8.6	21.3
2 11	10 15.81	+ 1 32.7	2.042	3.002	5.3	21.1
2 21	10 7.68	+ 2 17.7	2.011	2.992	2.9	20.9
3 2	9 59.50	+ 3 10.7	2.010	2.982	4.5	21.0
3 12	9 52.15	+ 4 6.2	2.038	2.972	7.9	21.2
3 22	9 46.37	+ 4 59.0	2.092	2.962	11.2	21.4

102559 1999 UJ_{25} 2 19.6 39°.63 4°.4/16.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 36.84	+23 49.7	2.120	2.919	13.2	18.5
1 22	10 32.19	+24 19.2	2.055	2.934	10.3	18.4
2 1	10 25.26	+24 49.1	2.014	2.950	7.3	18.2
2 11	10 16.75	+25 13.2	2.000	2.965	4.8	18.1
2 21	10 7.55	+25 26.3	2.014	2.982	4.8	18.1
3 2	9 58.69	+25 24.8	2.057	2.998	7.2	18.3
3 12	9 51.11	+25 7.6	2.127	3.015	10.1	18.5
3 22	9 45.49	+24 35.9	2.220	3.032	12.8	18.7

80219 1999 VA_{124} 2 19.6 255°.91 3°.0/17.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 36.89	+14 37.6	1.514	2.319	17.3	19.8
1 22	10 33.55	+15 30.0	1.421	2.306	13.7	19.6
2 1	10 27.05	+16 37.1	1.349	2.293	9.3	19.3
2 11	10 17.96	+17 51.7	1.302	2.279	4.7	19.0
2 21	10 7.31	+19 4.2	1.282	2.265	3.6	18.9
3 2	9 56.56	+20 4.6	1.289	2.251	8.1	19.1
3 12	9 47.24	+20 45.9	1.322	2.236	13.0	19.3
3 22	9 40.53	+21 5.3	1.376	2.222	17.3	19.5

279420 2010 GC_{140} 2 19.6 332°.03 1°.3/20.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 29.93	+ 4 51.1	2.075	2.843	14.6	20.9
1 22	10 27.00	+ 5 10.5	1.979	2.838	11.7	20.7
2 1	10 21.97	+ 5 45.8	1.905	2.833	8.2	20.4
2 11	10 15.32	+ 6 34.4	1.857	2.829	4.3	20.2
2 21	10 7.78	+ 7 31.9	1.837	2.824	1.3	20.0
3 2	10 0.25	+ 8 32.5	1.846	2.820	4.5	20.2
3 12	9 53.67	+ 9 30.0	1.882	2.817	8.4	20.4
3 22	9 48.76	+10 19.7	1.944	2.813	11.9	20.6

32305 2000 QD_{28} 2 19.6 220°.48 1°.4/18.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 34.37	+14 49.4	2.501	3.280	12.0	19.3
1 22	10 30.04	+15 6.5	2.407	3.278	9.4	19.1
2 1	10 23.78	+15 29.9	2.338	3.275	6.3	18.9
2 11	10 16.10	+15 55.7	2.296	3.272	3.0	18.7
2 21	10 7.67	+16 20.1	2.284	3.270	1.7	18.6
3 2	9 59.31	+16 39.0	2.302	3.267	4.8	18.8
3 12	9 51.85	+16 49.6	2.349	3.264	8.1	19.0
3 22	9 45.92	+16 50.3	2.422	3.261	11.0	19.2

69467 1996 VA_{14} 2 19.6 198°.55 2°.2/17.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 37.74	+14 44.3	2.016	2.801	14.3	20.2
1 22	10 33.23	+15 28.2	1.924	2.798	11.2	20.0
2 1	10 26.26	+16 21.9	1.856	2.794	7.5	19.7
2 11	10 17.38	+17 19.8	1.814	2.790	3.7	19.5
2 21	10 7.45	+18 15.2	1.802	2.785	2.7	19.4
3 2	9 57.55	+19 1.6	1.819	2.779	6.2	19.6
3 12	9 48.80	+19 34.3	1.864	2.773	10.1	19.8
3 22	9 42.03	+19 51.4	1.933	2.766	13.6	20.0

335618 2006 GE_{11} 2 19.6 244°.24 0°.9/18.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 12	10 32.45	+11 18.7	2.105	2.888	13.8	21.4
1 22	10 28.93	+11 53.7	2.015	2.887	10.8	21.2
2 1	10 23.24	+12 40.1	1.948	2.886	7.3	21.0
2 11	10 15.91	+13 33.7	1.907	2.885	3.4	20.7
2 21	10 7.69	+14 28.7	1.896	2.883	1.3	20.6
3 2	9 59.54	+15 19.3	1.914	2.882	5.2	20.8
3 12	9 52.39	+16 0.4	1.959	2.880	9.0	21.1
3 22	9 46.97	+16 29.1	2.030	2.879	12.4	21.3

13225 Manfredi 2 19.6 344°.71 0°.3/19.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 31.25	+ 7 58.6	1.963	2.743	14.8	18.3
1 22	10 28.14	+ 8 21.6	1.872	2.740	11.8	18.1
2 1	10 22.79	+ 8 58.9	1.804	2.738	8.1	17.8
2 11	10 15.73	+ 9 47.0	1.761	2.736	3.9	17.6
2 21	10 7.72	+10 40.7	1.746	2.734	0.6	17.3
3 2	9 59.77	+11 34.0	1.759	2.732	4.9	17.6
3 12	9 52.86	+12 21.0	1.800	2.731	9.0	17.9
3 22	9 47.76	+12 57.7	1.866	2.730	12.6	18.1

166897 2003 AD_2 2 19.6 1°.61 7°.6/26.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 27.39	− 9 19.4	1.780	2.495	18.4	19.2
1 22	10 25.40	− 9 59.4	1.691	2.493	16.0	19.0
2 1	10 21.08	−10 14.5	1.620	2.493	13.1	18.8
2 11	10 14.97	−10 2.3	1.570	2.493	10.1	18.6
2 21	10 7.84	− 9 23.0	1.544	2.495	7.9	18.5
3 2	10 0.74	− 8 20.5	1.543	2.497	7.9	18.5
3 12	9 54.71	− 7 2.3	1.568	2.500	9.9	18.6
3 22	9 50.57	− 5 37.3	1.616	2.505	12.9	18.8

463583 2013 SB_{22} 2 19.6 239°.79 3°.4/16.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 39.06	+19 53.0	2.159	2.947	13.4	22.2
1 22	10 34.19	+20 25.8	2.060	2.935	10.5	22.0
2 1	10 26.89	+21 3.3	1.985	2.922	7.2	21.7
2 11	10 17.68	+21 39.7	1.938	2.909	4.2	21.5
2 21	10 7.40	+22 8.8	1.919	2.895	3.8	21.5
3 2	9 57.14	+22 25.7	1.931	2.881	6.8	21.6
3 12	9 47.98	+22 27.2	1.970	2.867	10.3	21.8
3 22	9 40.77	+22 13.1	2.033	2.852	13.5	22.0

315716 2008 EL_{113} 2 19.6 154°.66 1°.9/21.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 39.83	+ 5 52.3	2.066	2.816	15.1	20.4
1 22	10 34.62	+ 5 32.2	1.975	2.822	12.2	20.2
2 1	10 27.05	+ 5 24.2	1.906	2.827	8.6	19.9
2 11	10 17.70	+ 5 26.7	1.864	2.832	4.7	19.7
2 21	10 7.42	+ 5 37.2	1.851	2.837	1.9	19.5
3 2	9 57.25	+ 5 51.9	1.868	2.841	4.7	19.7
3 12	9 48.23	+ 6 6.9	1.914	2.844	8.6	20.0
3 22	9 41.15	+ 6 18.7	1.986	2.847	12.1	20.2

379287 2009 VU_{16} 2 19.6 199°.81 4°.2/15.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 35.50	+20 54.0	2.068	2.867	13.5	21.3
1 22	10 31.43	+21 48.2	1.986	2.866	10.6	21.1
2 1	10 24.99	+22 47.2	1.927	2.865	7.3	20.9
2 11	10 16.76	+23 44.1	1.896	2.864	4.6	20.8
2 21	10 7.58	+24 32.0	1.893	2.863	4.7	20.8
3 2	9 58.51	+25 5.1	1.918	2.861	7.4	20.9
3 12	9 50.60	+25 20.3	1.971	2.860	10.7	21.1
3 22	9 44.65	+25 17.2	2.046	2.858	13.7	21.3

467447 2006 BB_{78} 2 19.6 73°.66 1°.4/18.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 32.63	+11 36.7	1.917	2.706	14.8	21.7
1 22	10 29.22	+12 23.5	1.837	2.713	11.5	21.5
2 1	10 23.50	+13 22.8	1.781	2.721	7.7	21.3
2 11	10 16.05	+14 29.3	1.750	2.728	3.6	21.0
2 21	10 7.70	+15 36.1	1.748	2.735	1.8	20.9
3 2	9 59.48	+16 36.4	1.775	2.742	5.7	21.2
3 12	9 52.42	+17 24.4	1.830	2.749	9.6	21.4
3 22	9 47.26	+17 57.4	1.908	2.756	13.1	21.7

28300 1999 CS_{67} 2 19.6 19°.89 2°.6/22.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 29.61	+ 0 19.4	2.164	2.910	14.7	18.5
1 22	10 26.62	+ 0 39.0	2.070	2.911	12.0	18.3
2 1	10 21.64	+ 1 17.0	1.998	2.912	8.7	18.1
2 11	10 15.15	+ 2 11.6	1.951	2.913	5.2	17.9
2 21	10 7.84	+ 3 18.9	1.931	2.914	2.6	17.7
3 2	10 0.57	+ 4 33.1	1.942	2.916	4.4	17.9
3 12	9 54.20	+ 5 47.7	1.980	2.917	7.9	18.1
3 22	9 49.43	+ 6 56.7	2.045	2.919	11.2	18.3

135074 2001 PX_{41} 2 19.6 135°.92 2°.8/22.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 33.35	+ 1 2.8	2.565	3.294	13.0	20.0
1 22	10 29.12	+ 0 50.8	2.471	3.301	10.6	19.8
2 1	10 23.11	+ 0 52.0	2.400	3.307	7.8	19.7
2 11	10 15.78	+ 1 5.6	2.356	3.313	4.9	19.5
2 21	10 7.76	+ 1 29.3	2.340	3.319	2.8	19.3
3 2	9 59.80	+ 2 0.1	2.355	3.325	4.1	19.4
3 12	9 52.68	+ 2 33.7	2.399	3.330	7.0	19.6
3 22	9 46.97	+ 3 6.4	2.469	3.336	9.8	19.8

65493 2119 P–L 2 19.6 154°.11 3°.2/22.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 12	10 35.68	+ 0 6.3	1.904	2.645	16.6	20.3
1 22	10 31.62	+ 0 12.3	1.815	2.652	13.5	20.1
2 1	10 25.16	+ 0 38.2	1.747	2.658	9.9	19.9
2 11	10 16.86	+ 1 22.5	1.703	2.664	6.1	19.7
2 21	10 7.58	+ 2 21.4	1.687	2.669	3.2	19.5
3 2	9 58.37	+ 3 28.8	1.701	2.674	5.1	19.6
3 12	9 50.31	+ 4 37.6	1.742	2.678	8.9	19.8
3 22	9 44.21	+ 5 41.2	1.809	2.681	12.6	20.1

457327 2008 SX_{161} 2 19.6 156°.21 0°.4/19.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 37.82	+ 6 38.5	1.913	2.677	15.7	22.5
1 22	10 33.27	+ 7 13.0	1.828	2.686	12.5	22.3
2 1	10 26.25	+ 8 3.8	1.765	2.694	8.6	22.1
2 11	10 17.37	+ 9 6.9	1.728	2.702	4.2	21.8
2 21	10 7.50	+10 16.2	1.720	2.708	0.6	21.6
3 2	9 57.74	+11 24.4	1.742	2.714	5.1	21.9
3 12	9 49.20	+12 25.1	1.792	2.719	9.3	22.2
3 22	9 42.67	+13 13.8	1.868	2.723	13.0	22.4

303260 2004 RP_{74} 2 19.6 148°.60 4°.1/16.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 39.74	+18 57.8	1.786	2.583	15.4	21.1
1 22	10 35.03	+19 56.1	1.712	2.592	12.0	20.9
2 1	10 27.57	+21 1.5	1.660	2.599	8.2	20.6
2 11	10 18.01	+22 6.2	1.635	2.606	4.8	20.5
2 21	10 7.40	+23 1.7	1.638	2.613	4.6	20.5
3 2	9 57.01	+23 41.1	1.669	2.618	7.8	20.7
3 12	9 48.07	+24 0.9	1.727	2.624	11.6	20.9
3 22	9 41.45	+24 0.9	1.808	2.628	14.9	21.1

2639 Planman 2 19.6 280°.66 5°.9/14.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 35.58	+22 1.8	1.698	2.511	15.4	17.1
1 22	10 32.38	+23 22.1	1.603	2.490	12.2	16.8
2 1	10 26.21	+24 51.1	1.530	2.469	8.8	16.6
2 11	10 17.58	+26 19.2	1.483	2.448	6.2	16.4
2 21	10 7.44	+27 35.8	1.463	2.427	6.7	16.4
3 2	9 57.14	+28 31.3	1.470	2.405	10.0	16.5
3 12	9 48.13	+29 0.5	1.502	2.384	13.9	16.7
3 22	9 41.55	+29 2.7	1.554	2.362	17.5	16.8

365681 2010 VX_{90} 2 19.6 123°.42 0°.8/20.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 36.97	+ 6 50.7	2.189	2.945	14.2	21.6
1 22	10 32.16	+ 7 8.1	2.109	2.963	11.2	21.4
2 1	10 25.24	+ 7 38.3	2.053	2.980	7.7	21.2
2 11	10 16.80	+ 8 18.2	2.024	2.996	3.9	21.0
2 21	10 7.61	+ 9 3.3	2.024	3.012	0.8	20.8
3 2	9 58.61	+ 9 48.5	2.054	3.027	4.4	21.1
3 12	9 50.70	+10 29.0	2.114	3.041	8.1	21.3
3 22	9 44.54	+11 1.4	2.200	3.055	11.3	21.5

276248 2002 RX_{191} 2 19.6 249°.62 1°.1/18.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 38.14	+11 17.1	1.530	2.323	17.7	21.0
1 22	10 34.47	+11 42.2	1.434	2.311	14.1	20.7
2 1	10 27.66	+12 22.7	1.359	2.298	9.6	20.4
2 11	10 18.28	+13 13.9	1.308	2.285	4.5	20.1
2 21	10 7.34	+14 8.2	1.284	2.272	1.6	19.8
3 2	9 56.29	+14 57.4	1.288	2.258	6.8	20.1
3 12	9 46.64	+15 34.4	1.317	2.243	12.0	20.4
3 22	9 39.57	+15 55.4	1.369	2.228	16.6	20.6

467992 2012 TO_{151} 2 19.6 152°.09 0°.4/19.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 32.35	+10 41.3	3.103	3.863	10.3	22.9
1 22	10 28.02	+11 10.1	3.013	3.872	8.1	22.7
2 1	10 22.20	+11 46.4	2.949	3.881	5.4	22.5
2 11	10 15.30	+12 27.3	2.913	3.889	2.5	22.3
2 21	10 7.86	+13 9.4	2.909	3.897	0.7	22.2
3 2	10 0.50	+13 49.1	2.936	3.904	3.6	22.4
3 12	9 53.83	+14 23.1	2.993	3.911	6.4	22.6
3 22	9 48.35	+14 49.4	3.078	3.917	8.9	22.8

45815 2000 QF_{67} 2 19.6 194°.13 4°.1/16.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 39.60	+19 36.1	1.874	2.669	14.9	19.4
1 22	10 34.93	+20 30.5	1.789	2.668	11.6	19.2
2 1	10 27.54	+21 31.5	1.727	2.665	8.0	19.0
2 11	10 18.04	+22 31.8	1.692	2.663	4.8	18.8
2 21	10 7.40	+23 23.2	1.685	2.659	4.6	18.8
3 2	9 56.86	+23 59.1	1.708	2.655	7.8	18.9
3 12	9 47.66	+24 15.8	1.756	2.651	11.5	19.1
3 22	9 40.70	+24 12.9	1.828	2.645	14.9	19.4

8524 Paoloruffini 2 19.6 263°.03 1°.3/18.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 38.73	+13 17.3	1.669	2.461	16.6	18.4
1 22	10 34.61	+13 28.3	1.573	2.449	13.1	18.1
2 1	10 27.56	+13 50.1	1.499	2.438	8.9	17.8
2 11	10 18.15	+14 18.1	1.450	2.427	4.2	17.5
2 21	10 7.38	+14 46.1	1.428	2.415	1.7	17.3
3 2	9 56.59	+15 8.1	1.434	2.403	6.4	17.6
3 12	9 47.14	+15 19.3	1.467	2.391	11.2	17.8
3 22	9 40.09	+15 17.3	1.523	2.379	15.4	18.0

402982 2007 VV_{14} 2 19.6 139°.17 1°.5/18.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 12	10 37.55	+12 24.4	1.996	2.775	14.6	22.3
1 22	10 32.93	+13 9.9	1.917	2.788	11.4	22.1
2 1	10 25.94	+14 6.6	1.862	2.800	7.6	21.9
2 11	10 17.20	+15 9.0	1.834	2.811	3.6	21.7
2 21	10 7.57	+16 10.3	1.835	2.821	1.9	21.6
3 2	9 58.11	+17 4.2	1.867	2.831	5.7	21.9
3 12	9 49.87	+17 45.7	1.926	2.840	9.5	22.1
3 22	9 43.59	+18 12.6	2.010	2.849	12.9	22.3

413651 2005 VA_{19} 2 19.6 60°.88 0°.8/19.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 34.99	+11 2.1	1.721	2.512	16.2	22.0
1 22	10 31.23	+11 27.3	1.650	2.525	12.6	21.7
2 1	10 24.93	+12 5.2	1.600	2.539	8.5	21.5
2 11	10 16.74	+12 50.8	1.575	2.552	3.9	21.3
2 21	10 7.64	+13 37.8	1.578	2.566	1.2	21.1
3 2	9 58.79	+14 19.8	1.609	2.580	5.7	21.4
3 12	9 51.31	+14 51.7	1.667	2.594	9.9	21.7
3 22	9 45.96	+15 10.5	1.749	2.608	13.6	22.0

100181 1994 AN_{10} 2 19.6 215°.52 3°.1/17.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 38.41	+15 20.0	1.823	2.614	15.4	20.6
1 22	10 34.17	+16 24.4	1.728	2.606	12.0	20.4
2 1	10 27.17	+17 41.3	1.657	2.597	8.2	20.1
2 11	10 17.95	+19 3.5	1.612	2.587	4.3	19.9
2 21	10 7.43	+20 22.1	1.596	2.576	3.7	19.8
3 2	9 56.84	+21 28.5	1.609	2.565	7.4	20.0
3 12	9 47.48	+22 16.6	1.649	2.552	11.6	20.2
3 22	9 40.35	+22 44.1	1.712	2.539	15.3	20.4

84651 2002 VS_{66} 2 19.6 145°.50 4°.4/24.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 30.62	− 4 40.6	2.368	3.079	14.5	20.0
1 22	10 27.24	− 4 47.1	2.270	3.080	12.1	19.9
2 1	10 21.99	− 4 35.3	2.193	3.082	9.4	19.7
2 11	10 15.32	− 4 5.2	2.141	3.083	6.6	19.5
2 21	10 7.87	− 3 18.8	2.116	3.084	4.6	19.4
3 2	10 0.45	− 2 20.0	2.121	3.085	5.1	19.4
3 12	9 53.86	− 1 14.6	2.153	3.087	7.6	19.6
3 22	9 48.75	− 0 8.2	2.213	3.088	10.5	19.7

142259 2002 RD_{107} 2 19.6 101°.67 7°.3/13.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 43.27	+30 3.3	1.943	2.739	14.4	19.3
1 22	10 37.55	+31 16.2	1.891	2.761	11.6	19.2
2 1	10 29.07	+32 25.3	1.863	2.782	8.9	19.1
2 11	10 18.63	+33 21.0	1.861	2.803	7.4	19.0
2 21	10 7.37	+33 55.9	1.887	2.824	7.9	19.1
3 2	9 56.59	+34 5.8	1.940	2.843	10.0	19.3
3 12	9 47.47	+33 50.7	2.019	2.863	12.5	19.5
3 22	9 40.77	+33 14.0	2.118	2.882	14.9	19.7

408615 2014 KJ_{16} 2 19.6 224°.23 2°.3/21.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 36.61	+ 2 42.0	1.846	2.599	16.6	22.8
1 22	10 32.67	+ 2 53.8	1.742	2.589	13.5	22.6
2 1	10 26.11	+ 3 24.9	1.658	2.578	9.8	22.3
2 11	10 17.45	+ 4 13.8	1.599	2.567	5.5	22.0
2 21	10 7.53	+ 5 16.0	1.569	2.554	2.3	21.8
3 2	9 57.48	+ 6 25.1	1.567	2.541	5.3	21.9
3 12	9 48.51	+ 7 33.5	1.593	2.527	9.7	22.2
3 22	9 41.59	+ 8 34.6	1.645	2.512	13.8	22.4

464081 2014 WJ_{301} 2 19.6 23°.90 8°.1/25.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 34.23	− 6 50.2	1.582	2.308	20.0	20.3
1 22	10 31.03	− 8 0.4	1.501	2.313	17.2	20.1
2 1	10 25.07	− 8 47.4	1.438	2.319	13.9	19.9
2 11	10 16.94	− 9 7.8	1.396	2.325	10.6	19.7
2 21	10 7.63	− 9 0.6	1.378	2.332	8.3	19.6
3 2	9 58.38	− 8 28.8	1.385	2.339	8.6	19.6
3 12	9 50.48	− 7 39.3	1.418	2.347	11.1	19.8
3 22	9 44.88	− 6 40.8	1.473	2.355	14.3	20.0

373383 2012 TO_{307} 2 19.6 177°.10 1°.2/20.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 34.01	+ 6 39.8	2.395	3.151	13.1	20.9
1 22	10 29.83	+ 6 35.0	2.299	3.152	10.5	20.7
2 1	10 23.70	+ 6 41.0	2.227	3.152	7.3	20.5
2 11	10 16.12	+ 6 56.0	2.181	3.152	3.9	20.2
2 21	10 7.78	+ 7 17.0	2.165	3.152	1.2	20.0
3 2	9 59.49	+ 7 40.4	2.179	3.152	4.1	20.3
3 12	9 52.09	+ 8 2.5	2.221	3.152	7.5	20.5
3 22	9 46.23	+ 8 20.1	2.290	3.152	10.7	20.7

208271 2000 YQ_{20} 2 19.6 67°.10 1°.4/18.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 37.67	+11 53.5	1.451	2.251	18.2	20.6
1 22	10 33.72	+12 24.7	1.389	2.270	14.2	20.4
2 1	10 26.79	+13 9.8	1.347	2.288	9.5	20.2
2 11	10 17.67	+14 2.5	1.330	2.307	4.4	19.9
2 21	10 7.54	+14 54.7	1.339	2.326	1.8	19.8
3 2	9 57.80	+15 38.8	1.376	2.345	6.6	20.1
3 12	9 49.77	+16 9.3	1.438	2.364	11.2	20.5
3 22	9 44.30	+16 23.9	1.523	2.383	15.2	20.7

21962 Scottsandford 2 19.6 139°.02 3°.3/16.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 12	10 34.67	+18 37.8	2.359	3.149	12.3	19.0
1 22	10 30.41	+19 42.0	2.282	3.159	9.5	18.8
2 1	10 24.12	+20 52.0	2.230	3.169	6.5	18.6
2 11	10 16.32	+22 1.6	2.207	3.178	3.8	18.5
2 21	10 7.76	+23 4.4	2.213	3.187	3.8	18.5
3 2	9 59.33	+23 55.0	2.250	3.195	6.4	18.7
3 12	9 51.90	+24 29.8	2.314	3.203	9.3	18.9
3 22	9 46.14	+24 47.9	2.402	3.210	12.0	19.1

45810 2000 QP_{32} 2 19.6 202°.65 4°.0/16.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 37.99	+18 16.6	1.760	2.560	15.5	19.0
1 22	10 33.87	+19 16.8	1.675	2.557	12.1	18.8
2 1	10 26.95	+20 25.9	1.614	2.554	8.3	18.6
2 11	10 17.83	+21 36.1	1.578	2.551	4.8	18.3
2 21	10 7.50	+22 38.6	1.571	2.547	4.6	18.3
3 2	9 57.24	+23 25.7	1.592	2.542	8.0	18.5
3 12	9 48.35	+23 52.8	1.638	2.537	11.9	18.7
3 22	9 41.77	+23 59.0	1.708	2.532	15.5	18.9

48654 1995 VG_{10} 2 19.6 294°.00 0°.3/19.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 33.47	+ 8 7.9	1.597	2.387	17.2	20.5
1 22	10 30.65	+ 8 24.7	1.497	2.371	13.8	20.2
2 1	10 24.99	+ 8 58.8	1.418	2.355	9.6	19.9
2 11	10 17.01	+ 9 46.9	1.363	2.338	4.7	19.6
2 21	10 7.62	+10 43.1	1.334	2.322	0.7	19.3
3 2	9 58.09	+11 39.9	1.332	2.306	6.0	19.6
3 12	9 49.78	+12 29.6	1.357	2.291	11.1	19.9
3 22	9 43.76	+13 6.7	1.404	2.275	15.6	20.1

341393 2007 TN_{137} 2 19.6 111°.94 3°.8/15.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 37.09	+22 53.8	2.481	3.270	11.8	20.6
1 22	10 32.13	+23 31.6	2.408	3.282	9.2	20.4
2 1	10 25.16	+24 10.6	2.360	3.294	6.5	20.2
2 11	10 16.77	+24 45.4	2.340	3.305	4.2	20.1
2 21	10 7.71	+25 11.0	2.350	3.317	4.2	20.1
3 2	9 58.87	+25 23.7	2.389	3.328	6.5	20.3
3 12	9 51.10	+25 21.7	2.456	3.339	9.1	20.5
3 22	9 45.02	+25 5.5	2.548	3.350	11.6	20.7

88907 2001 TY_{2} 2 19.6 259°.74 2°.2/21.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 36.17	+ 3 36.3	1.716	2.480	17.3	20.7
1 22	10 32.66	+ 3 41.5	1.605	2.459	14.1	20.4
2 1	10 26.35	+ 4 6.1	1.515	2.439	10.2	20.1
2 11	10 17.68	+ 4 48.9	1.448	2.417	5.7	19.8
2 21	10 7.51	+ 5 46.0	1.409	2.395	2.2	19.5
3 2	9 57.06	+ 6 50.7	1.398	2.372	5.7	19.7
3 12	9 47.69	+ 7 55.0	1.414	2.349	10.5	19.9
3 22	9 40.50	+ 8 51.9	1.454	2.325	15.1	20.1

11097 1994 UD_{1} 2 19.6 106°.64 0°.8/18.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 32.67	+12 1.7	2.837	3.605	11.0	19.4
1 22	10 28.36	+12 31.9	2.760	3.624	8.5	19.3
2 1	10 22.47	+13 9.3	2.708	3.643	5.7	19.1
2 11	10 15.46	+13 50.5	2.685	3.661	2.6	18.9
2 21	10 7.91	+14 31.6	2.692	3.679	1.1	18.8
3 2	10 0.52	+15 8.9	2.731	3.697	4.0	19.1
3 12	9 53.93	+15 39.2	2.798	3.714	6.8	19.3
3 22	9 48.65	+16 0.5	2.893	3.731	9.4	19.5

120300 2004 JV_{31} 2 19.6 246°.99 0°.9/20.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 31.99	+ 4 16.7	2.099	2.859	14.6	20.1
1 22	10 28.73	+ 4 59.9	1.992	2.846	11.8	19.9
2 1	10 23.26	+ 6 1.7	1.906	2.833	8.2	19.6
2 11	10 16.05	+ 7 19.0	1.848	2.820	4.3	19.4
2 21	10 7.80	+ 8 46.4	1.818	2.806	0.9	19.1
3 2	9 59.44	+10 16.7	1.818	2.791	4.7	19.3
3 12	9 51.97	+11 42.2	1.846	2.777	8.9	19.5
3 22	9 46.19	+12 56.9	1.901	2.762	12.6	19.7

355880 2008 VO_{41} 2 19.6 190°.06 2°.4/21.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 39.05	+ 3 5.6	1.979	2.724	15.9	21.9
1 22	10 34.28	+ 3 4.2	1.881	2.723	12.9	21.7
2 1	10 27.02	+ 3 19.1	1.804	2.721	9.3	21.5
2 11	10 17.82	+ 3 48.9	1.753	2.719	5.3	21.2
2 21	10 7.53	+ 4 30.0	1.731	2.715	2.4	21.0
3 2	9 57.22	+ 5 17.4	1.738	2.711	5.0	21.2
3 12	9 48.03	+ 6 5.0	1.774	2.706	9.0	21.4
3 22	9 40.82	+ 6 47.6	1.835	2.699	12.8	21.6

415856 2001 SB_{124} 2 19.6 136°.29 1°.4/20.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 36.23	+ 4 58.0	2.311	3.059	13.8	22.5
1 22	10 31.53	+ 5 10.9	2.226	3.073	11.0	22.4
2 1	10 24.83	+ 5 37.0	2.164	3.086	7.7	22.2
2 11	10 16.65	+ 6 14.0	2.129	3.099	4.1	22.0
2 21	10 7.73	+ 6 57.9	2.124	3.111	1.4	21.8
3 2	9 58.96	+ 7 44.1	2.149	3.122	4.2	22.0
3 12	9 51.17	+ 8 27.7	2.204	3.133	7.7	22.2
3 22	9 45.03	+ 9 5.0	2.285	3.143	10.8	22.5

335923 2007 TF_3 2 19.6 133°.37 2°.2/17.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 12	10 36.13	+17 29.5	2.494	3.276	12.0	21.1
1 22	10 31.36	+17 55.8	2.412	3.284	9.3	20.9
2 1	10 24.66	+18 26.7	2.355	3.292	6.2	20.7
2 11	10 16.55	+18 57.9	2.326	3.300	3.2	20.5
2 21	10 7.75	+19 24.7	2.327	3.308	2.6	20.5
3 2	9 59.12	+19 43.3	2.358	3.315	5.3	20.7
3 12	9 51.46	+19 51.2	2.418	3.322	8.3	20.9
3 22	9 45.40	+19 47.6	2.503	3.328	11.1	21.1

497655 2006 RQ_{64} 2 19.6 244°.72 2°.8/22.1 17

1 12	10 33.30	+ 1 55.8	2.391	3.129	13.6	21.4
1 22	10 29.33	+ 1 40.1	2.290	3.125	11.1	21.2
2 1	10 23.42	+ 1 37.7	2.211	3.122	8.2	21.0
2 11	10 16.03	+ 1 47.9	2.158	3.118	5.0	20.8
2 21	10 7.83	+ 2 8.6	2.134	3.114	2.8	20.6
3 2	9 59.63	+ 2 36.6	2.139	3.110	4.4	20.7
3 12	9 52.27	+ 3 7.6	2.173	3.106	7.5	20.9
3 22	9 46.43	+ 3 37.5	2.233	3.102	10.6	21.1

105742 2000 SH_{90} 2 19.6 234°.27 5°.3/24.0 18 R

1 12	10 35.98	− 4 47.2	2.542	3.236	14.0	19.5
1 22	10 31.33	− 5 40.1	2.437	3.232	11.9	19.3
2 1	10 24.74	− 6 19.0	2.354	3.229	9.4	19.1
2 11	10 16.66	− 6 42.4	2.296	3.225	7.0	19.0
2 21	10 7.73	− 6 50.3	2.266	3.221	5.4	18.9
3 2	9 58.75	− 6 44.0	2.265	3.218	5.8	18.9
3 12	9 50.58	− 6 26.8	2.294	3.214	7.9	19.0
3 22	9 43.88	− 6 3.1	2.348	3.210	10.5	19.2

362335 2010 KZ_{120} 2 19.6 230°.45 2°.1/21.6 17

1 12	10 34.51	+ 1 27.5	2.160	2.900	14.9	21.7
1 22	10 30.65	+ 1 54.4	2.047	2.887	12.1	21.5
2 1	10 24.56	+ 2 40.4	1.956	2.872	8.8	21.2
2 11	10 16.68	+ 3 43.5	1.891	2.857	5.0	21.0
2 21	10 7.71	+ 4 59.8	1.856	2.841	2.1	20.8
3 2	9 58.61	+ 6 22.9	1.850	2.824	4.6	20.9
3 12	9 50.36	+ 7 45.6	1.874	2.806	8.6	21.1
3 22	9 43.81	+ 9 1.3	1.924	2.787	12.3	21.3

386553 2009 DQ_{49} 2 19.6 254°.62 0°.8/18.8 17

1 12	10 31.73	+11 48.1	2.625	3.399	11.7	21.8
1 22	10 28.00	+12 15.0	2.521	3.388	9.1	21.6
2 1	10 22.47	+12 50.6	2.441	3.377	6.2	21.4
2 11	10 15.57	+13 31.6	2.389	3.366	2.9	21.1
2 21	10 7.90	+14 13.9	2.367	3.354	1.1	21.0
3 2	10 0.22	+14 53.1	2.375	3.343	4.4	21.2
3 12	9 53.30	+15 25.4	2.412	3.331	7.7	21.4
3 22	9 47.75	+15 48.2	2.475	3.319	10.6	21.5

335672 2006 UT_{45} 2 19.6 100°.69 0°.5/19.9 18

1 12	10 38.65	+ 6 58.5	1.401	2.188	19.4	21.2
1 22	10 34.67	+ 7 25.7	1.333	2.204	15.4	21.0
2 1	10 27.57	+ 8 12.9	1.285	2.220	10.5	20.7
2 11	10 18.12	+ 9 15.0	1.260	2.235	5.1	20.5
2 21	10 7.51	+10 24.1	1.262	2.250	0.8	20.2
3 2	9 57.22	+11 31.0	1.291	2.265	6.2	20.6
3 12	9 48.64	+12 27.7	1.346	2.279	11.2	20.9
3 22	9 42.73	+13 9.2	1.424	2.293	15.5	21.2

122473 2000 QG_{162} 2 19.6 153°.61 3°.5/22.3 18

1 12	10 36.72	+ 1 9.4	2.067	2.805	15.5	19.9
1 22	10 32.27	+ 0 42.5	1.974	2.808	12.7	19.7
2 1	10 25.54	+ 0 30.7	1.902	2.811	9.5	19.5
2 11	10 17.08	+ 0 33.7	1.856	2.814	6.0	19.3
2 21	10 7.67	+ 0 49.8	1.838	2.816	3.6	19.1
3 2	9 58.32	+ 1 15.3	1.849	2.819	5.1	19.2
3 12	9 50.04	+ 1 45.4	1.888	2.821	8.5	19.4
3 22	9 43.58	+ 2 15.3	1.952	2.823	11.9	19.6

303454 2005 BN_{20} 2 19.6 1°.01 0°.2/19.5 18

1 12	10 31.79	+10 4.9	1.199	2.018	20.1	20.8
1 22	10 29.95	+10 11.1	1.125	2.016	16.0	20.5
2 1	10 24.78	+10 35.0	1.069	2.014	10.9	20.2
2 11	10 16.95	+11 12.2	1.036	2.014	5.2	19.9
2 21	10 7.68	+11 55.1	1.027	2.015	0.9	19.6
3 2	9 58.58	+12 35.3	1.042	2.017	6.9	20.0
3 12	9 51.23	+13 5.1	1.081	2.021	12.5	20.3
3 22	9 46.73	+13 20.0	1.140	2.025	17.3	20.6

238042 2003 AF_5 2 19.6 43°.15 6°.7/12.1 17

1 12	10 31.96	+26 47.1	2.054	2.867	13.1	20.3
1 22	10 28.83	+28 35.5	1.992	2.875	10.4	20.2
2 1	10 23.33	+30 25.1	1.955	2.883	8.0	20.0
2 11	10 16.05	+32 6.2	1.945	2.892	6.7	20.0
2 21	10 7.84	+33 30.1	1.963	2.901	7.5	20.0
3 2	9 59.77	+34 30.3	2.008	2.910	9.8	20.2
3 12	9 52.89	+35 4.3	2.078	2.919	12.3	20.4
3 22	9 47.96	+35 13.1	2.168	2.929	14.7	20.5

66352 1999 JS_{78} 2 19.6 311°.96 1°.7/20.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 12	10 32.47	+ 4 46.7	1.457	2.245	18.7	19.2
1 22	10 30.03	+ 4 59.1	1.367	2.237	15.1	19.0
2 1	10 24.64	+ 5 33.0	1.296	2.228	10.7	18.7
2 11	10 16.86	+ 6 26.1	1.248	2.221	5.7	18.4
2 21	10 7.69	+ 7 32.5	1.225	2.213	1.7	18.1
3 2	9 58.47	+ 8 43.8	1.230	2.206	6.0	18.3
3 12	9 50.62	+ 9 50.8	1.259	2.199	11.1	18.6
3 22	9 45.20	+10 46.2	1.311	2.192	15.8	18.9

155977 2001 QB_{240} 2 19.6 210°.65 1°.2/20.5 18

1 12	10 38.62	+ 6 24.3	1.836	2.600	16.3	20.6
1 22	10 34.20	+ 6 30.1	1.738	2.594	13.1	20.3
2 1	10 27.13	+ 6 51.4	1.660	2.588	9.2	20.1
2 11	10 17.94	+ 7 25.5	1.609	2.581	4.8	19.8
2 21	10 7.54	+ 8 8.1	1.585	2.573	1.2	19.5
3 2	9 57.09	+ 8 53.2	1.591	2.565	5.3	19.8
3 12	9 47.83	+ 9 34.7	1.625	2.556	9.8	20.0
3 22	9 40.69	+10 8.0	1.683	2.546	13.8	20.3

265590 2005 QS_{165} 2 19.6 107°.61 6°.2/14.6 18

1 12	10 42.46	+27 50.7	2.049	2.843	13.8	20.9
1 22	10 36.77	+28 46.4	1.989	2.861	11.0	20.8
2 1	10 28.50	+29 39.8	1.953	2.878	8.2	20.6
2 11	10 18.40	+30 23.1	1.943	2.895	6.3	20.5
2 21	10 7.50	+30 49.4	1.962	2.911	6.7	20.6
3 2	9 57.01	+30 54.8	2.009	2.927	8.8	20.7
3 12	9 48.03	+30 38.7	2.082	2.943	11.5	20.9
3 22	9 41.29	+30 3.5	2.178	2.958	14.0	21.1

56225 1999 JL_{19} 2 19.6 285°.35 2°.3/17.9 18

1 12	10 35.89	+15 22.3	1.887	2.681	14.8	19.5
1 22	10 32.21	+15 51.9	1.780	2.658	11.7	19.3
2 1	10 25.88	+16 31.3	1.695	2.635	8.0	19.0
2 11	10 17.41	+17 15.2	1.635	2.612	4.0	18.7
2 21	10 7.62	+17 57.3	1.604	2.588	2.7	18.6
3 2	9 57.67	+18 30.9	1.602	2.565	6.6	18.8
3 12	9 48.79	+18 51.0	1.626	2.541	10.9	19.0
3 22	9 41.99	+18 55.5	1.674	2.517	14.8	19.2

121064 1999 CW_{132} 2 19.6 322°.82 0°.4/19.4 18

1 12	10 32.78	+ 9 36.3	1.312	2.122	19.2	20.0
1 22	10 30.65	+ 9 54.9	1.225	2.111	15.3	19.7
2 1	10 25.28	+10 32.3	1.157	2.100	10.5	19.4
2 11	10 17.25	+11 24.0	1.112	2.089	5.0	19.1
2 21	10 7.64	+12 22.5	1.091	2.080	1.0	18.7
3 2	9 57.98	+13 18.5	1.096	2.070	6.9	19.1
3 12	9 49.87	+14 3.4	1.126	2.062	12.5	19.4
3 22	9 44.49	+14 31.9	1.176	2.054	17.4	19.6

236725 2007 GA_{65} 2 19.6 196°.24 1°.1/18.9 18

1 12	10 38.25	+11 39.5	1.585	2.377	17.3	21.4
1 22	10 34.27	+12 3.3	1.500	2.376	13.6	21.1
2 1	10 27.34	+12 40.8	1.436	2.375	9.2	20.9
2 11	10 18.08	+13 27.0	1.397	2.374	4.3	20.6
2 21	10 7.54	+14 14.8	1.384	2.372	1.5	20.4
3 2	9 57.09	+14 56.9	1.400	2.370	6.4	20.7
3 12	9 48.09	+15 27.3	1.442	2.368	11.2	21.0
3 22	9 41.56	+15 42.9	1.507	2.365	15.4	21.2

424610 2008 HZ_{69} 2 19.6 250°.76 0°.3/19.3 17

1 12	10 32.23	+ 7 49.2	2.085	2.858	14.3	21.7
1 22	10 28.96	+ 8 40.2	1.979	2.845	11.3	21.5
2 1	10 23.45	+ 9 47.7	1.897	2.831	7.7	21.2
2 11	10 16.17	+11 7.6	1.841	2.817	3.7	20.9
2 21	10 7.84	+12 33.6	1.815	2.803	0.8	20.7
3 2	9 59.41	+13 58.1	1.819	2.789	5.1	21.0
3 12	9 51.89	+15 14.1	1.850	2.774	9.3	21.2
3 22	9 46.09	+16 16.5	1.907	2.759	13.0	21.4

91387 1999 JP_{129} 2 19.6 281°.41 3°.8/23.1 18

1 12	10 30.62	− 2 19.9	1.944	2.682	16.3	19.5
1 22	10 27.88	− 2 10.1	1.834	2.667	13.6	19.2
2 1	10 22.83	− 1 37.9	1.745	2.651	10.3	19.0
2 11	10 15.92	− 0 43.5	1.679	2.635	6.7	18.7
2 21	10 7.88	+ 0 29.9	1.640	2.619	4.0	18.5
3 2	9 59.70	+ 1 56.5	1.630	2.603	5.3	18.6
3 12	9 52.45	+ 3 28.1	1.648	2.586	9.0	18.8
3 22	9 46.98	+ 4 56.4	1.690	2.570	12.9	18.9

8775 Cristata 2 19.6 194°.71 4°.0/22.9 18

1 12	10 35.65	− 1 20.6	1.972	2.704	16.4	19.5
1 22	10 31.64	− 1 31.4	1.874	2.702	13.6	19.3
2 1	10 25.26	− 1 23.1	1.796	2.700	10.2	19.1
2 11	10 17.02	− 0 55.9	1.743	2.697	6.7	18.9
2 21	10 7.72	− 0 12.2	1.718	2.694	4.1	18.7
3 2	9 58.40	+ 0 43.3	1.721	2.691	5.4	18.8
3 12	9 50.14	+ 1 43.9	1.752	2.687	8.9	19.0
3 22	9 43.76	+ 2 43.1	1.809	2.682	12.5	19.2

55064 2001 QP_{80} 2 19.6 168°.71 3°.1/22.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 12	10 32.46	− 0 42.9	2.654	3.374	12.8	19.0
1 22	10 28.45	− 0 52.3	2.555	3.376	10.6	18.8
2 1	10 22.71	− 0 47.7	2.478	3.379	7.9	18.7
2 11	10 15.67	− 0 29.9	2.428	3.380	5.1	18.5
2 21	10 7.95	− 0 0.7	2.406	3.382	3.2	18.4
3 2	10 0.25	+ 0 36.7	2.414	3.383	4.2	18.4
3 12	9 53.32	+ 1 18.0	2.452	3.384	6.9	18.6
3 22	9 47.73	+ 1 59.1	2.517	3.385	9.6	18.8

362064 2009 BZ_{60} 2 19.6 34°.21 1°.5/20.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 37.87	+ 8 26.5	1.229	2.032	20.7	20.6
1 22	10 34.44	+ 8 1.9	1.164	2.043	16.5	20.4
2 1	10 27.61	+ 7 53.7	1.118	2.056	11.4	20.1
2 11	10 18.21	+ 7 59.3	1.094	2.068	5.8	19.8
2 21	10 7.56	+ 8 13.7	1.094	2.082	1.5	19.6
3 2	9 57.29	+ 8 30.7	1.120	2.097	6.4	19.9
3 12	9 48.96	+ 8 44.2	1.171	2.112	11.7	20.3
3 22	9 43.53	+ 8 50.1	1.243	2.127	16.2	20.6

128063 2003 NB_{8} 2 19.6 236°.35 1°.4/18.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 36.78	+11 56.9	1.917	2.699	15.0	20.5
1 22	10 32.77	+12 37.4	1.815	2.686	11.9	20.3
2 1	10 26.19	+13 31.3	1.735	2.673	8.0	20.0
2 11	10 17.53	+14 33.5	1.681	2.658	3.8	19.7
2 21	10 7.64	+15 37.3	1.657	2.643	1.9	19.5
3 2	9 57.64	+16 35.4	1.661	2.627	6.1	19.8
3 12	9 48.72	+17 21.6	1.693	2.611	10.4	20.0
3 22	9 41.82	+17 52.5	1.750	2.594	14.3	20.2

201451 2003 FU_{65} 2 19.7 312°.25 1°.0/18.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 31.75	+ 9 43.0	1.333	2.144	18.9	20.0
1 22	10 29.84	+10 21.1	1.243	2.130	15.1	19.7
2 1	10 24.76	+11 20.1	1.172	2.116	10.3	19.4
2 11	10 17.04	+12 34.6	1.125	2.103	4.8	19.1
2 21	10 7.71	+13 55.7	1.103	2.090	1.6	18.8
3 2	9 58.26	+15 12.6	1.106	2.078	7.3	19.1
3 12	9 50.30	+16 15.3	1.134	2.066	12.8	19.4
3 22	9 45.01	+16 57.9	1.182	2.055	17.7	19.7

521088 2015 DY_{241} 2 19.7 321°.13 1°.3/18.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 30.34	+11 43.4	1.996	2.788	14.2	21.6
1 22	10 27.53	+12 26.6	1.901	2.778	11.1	21.4
2 1	10 22.49	+13 22.5	1.829	2.769	7.5	21.2
2 11	10 15.70	+14 26.4	1.783	2.760	3.5	20.9
2 21	10 7.94	+15 31.8	1.765	2.752	1.7	20.8
3 2	10 0.17	+16 32.0	1.777	2.744	5.6	21.0
3 12	9 53.40	+17 21.2	1.815	2.736	9.6	21.2
3 22	9 48.40	+17 55.8	1.877	2.728	13.1	21.4

415828 2001 QL_{266} 2 19.7 147°.16 4°.6/23.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 36.89	− 3 40.7	2.314	3.019	14.9	21.5
1 22	10 32.12	− 4 5.7	2.222	3.029	12.5	21.3
2 1	10 25.30	− 4 13.8	2.152	3.039	9.6	21.1
2 11	10 16.94	− 4 4.8	2.106	3.047	6.7	20.9
2 21	10 7.77	− 3 39.9	2.089	3.056	4.7	20.8
3 2	9 58.66	− 3 2.6	2.101	3.063	5.4	20.9
3 12	9 50.52	− 2 17.7	2.142	3.070	7.9	21.1
3 22	9 44.02	− 1 30.7	2.210	3.077	10.8	21.2

67843 2000 WL 2 19.7 269°.18 4°.9/15.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 35.94	+18 45.8	1.721	2.527	15.5	19.2
1 22	10 32.67	+20 8.1	1.619	2.505	12.2	19.0
2 1	10 26.48	+21 43.1	1.540	2.481	8.5	18.7
2 11	10 17.82	+23 22.0	1.487	2.458	5.4	18.5
2 21	10 7.59	+24 54.0	1.462	2.433	5.7	18.4
3 2	9 57.10	+26 8.8	1.465	2.408	9.3	18.6
3 12	9 47.80	+26 59.5	1.493	2.383	13.4	18.7
3 22	9 40.83	+27 23.8	1.542	2.357	17.3	18.9

283021 2007 VN_{208} 2 19.7 171°.48 1°.7/17.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 31.31	+13 21.8	2.588	3.368	11.6	20.9
1 22	10 27.68	+14 22.9	2.498	3.370	9.0	20.7
2 1	10 22.25	+15 33.2	2.433	3.372	6.0	20.5
2 11	10 15.48	+16 48.0	2.397	3.373	2.9	20.3
2 21	10 8.00	+18 1.5	2.391	3.374	2.1	20.3
3 2	10 0.55	+19 8.2	2.416	3.375	5.0	20.5
3 12	9 53.90	+20 3.7	2.470	3.376	8.1	20.7
3 22	9 48.65	+20 45.4	2.549	3.376	10.9	20.9

183607 2003 UW_{103} 2 19.7 76°.51 0°.5/19.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 36.39	+ 8 54.1	1.588	2.375	17.5	20.3
1 22	10 32.47	+ 9 36.1	1.525	2.398	13.6	20.1
2 1	10 25.84	+10 34.5	1.483	2.420	9.2	19.9
2 11	10 17.25	+11 43.2	1.466	2.442	4.2	19.6
2 21	10 7.74	+12 54.5	1.476	2.465	1.0	19.5
3 2	9 58.58	+14 0.0	1.515	2.486	5.8	19.8
3 12	9 50.93	+14 53.2	1.581	2.508	10.3	20.2
3 22	9 45.58	+15 30.7	1.670	2.530	14.1	20.4

177038 2003 CW_{25} 2 19.7 292°.39 1°.3/20.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 12	10 29.99	+ 4 41.4	2.395	3.152	13.1	20.4
1 22	10 26.81	+ 4 59.5	2.293	3.145	10.5	20.2
2 1	10 21.76	+ 5 31.6	2.213	3.137	7.4	19.9
2 11	10 15.29	+ 6 15.3	2.160	3.130	4.0	19.7
2 21	10 8.03	+ 7 7.0	2.136	3.123	1.3	19.5
3 2	10 0.76	+ 8 1.8	2.142	3.116	4.0	19.7
3 12	9 54.28	+ 8 54.7	2.176	3.109	7.5	19.9
3 22	9 49.24	+ 9 41.3	2.236	3.102	10.7	20.1

294915 2008 DB_{35} 2 19.7 306°.31 0°.1/19.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 34.41	+ 9 17.0	1.676	2.464	16.6	21.2
1 22	10 31.16	+ 9 27.6	1.583	2.456	13.2	20.9
2 1	10 25.20	+ 9 52.7	1.511	2.448	9.1	20.7
2 11	10 17.09	+10 28.7	1.464	2.440	4.4	20.4
2 21	10 7.75	+11 10.3	1.443	2.432	0.7	20.0
3 2	9 58.40	+11 50.9	1.451	2.424	5.7	20.4
3 12	9 50.31	+12 24.5	1.485	2.417	10.4	20.6
3 22	9 44.42	+12 46.9	1.542	2.410	14.6	20.9

125907 2001 XQ_{219} 2 19.7 142°.10 0°.6/19.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 38.30	+10 30.2	1.628	2.415	17.1	20.7
1 22	10 34.14	+10 51.9	1.547	2.420	13.5	20.4
2 1	10 27.15	+11 27.7	1.487	2.425	9.2	20.2
2 11	10 17.96	+12 12.8	1.453	2.430	4.3	19.9
2 21	10 7.63	+13 0.7	1.446	2.434	1.1	19.7
3 2	9 57.45	+13 44.3	1.467	2.438	6.0	20.0
3 12	9 48.73	+14 17.7	1.515	2.442	10.7	20.3
3 22	9 42.37	+14 37.7	1.586	2.445	14.7	20.6

370204 2002 EN_{64} 2 19.7 39°.50 1°.9/18.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 39.10	+16 1.4	1.824	2.615	15.4	20.2
1 22	10 34.44	+16 6.1	1.743	2.619	12.0	20.0
2 1	10 27.15	+16 17.3	1.684	2.623	8.1	19.8
2 11	10 17.89	+16 30.3	1.651	2.627	3.9	19.5
2 21	10 7.65	+16 39.9	1.646	2.632	2.2	19.4
3 2	9 57.63	+16 41.7	1.671	2.636	6.1	19.7
3 12	9 48.98	+16 32.9	1.722	2.641	10.1	19.9
3 22	9 42.55	+16 12.9	1.797	2.646	13.7	20.2

191337 2003 QN_{11} 2 19.7 109°.77 1°.8/18.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 39.72	+16 22.3	2.232	3.010	13.3	20.0
1 22	10 34.32	+16 33.8	2.154	3.023	10.4	19.8
2 1	10 26.74	+16 50.4	2.100	3.037	7.0	19.6
2 11	10 17.59	+17 7.9	2.074	3.050	3.4	19.4
2 21	10 7.71	+17 21.8	2.078	3.063	2.1	19.4
3 2	9 58.08	+17 28.4	2.112	3.075	5.3	19.6
3 12	9 49.62	+17 25.4	2.175	3.087	8.7	19.8
3 22	9 43.02	+17 12.1	2.264	3.099	11.8	20.0

40880 1999 TA_{125} 2 19.7 91°.80 0°.9/20.4 18 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 34.22	+ 6 58.2	2.031	2.799	14.8	19.9
1 22	10 30.32	+ 7 8.8	1.947	2.807	11.8	19.7
2 1	10 24.22	+ 7 33.0	1.885	2.814	8.1	19.5
2 11	10 16.47	+ 8 7.7	1.849	2.822	4.1	19.3
2 21	10 7.88	+ 8 48.6	1.842	2.830	0.9	19.0
3 2	9 59.41	+ 9 30.4	1.864	2.838	4.6	19.3
3 12	9 52.03	+10 8.2	1.914	2.846	8.5	19.6
3 22	9 46.46	+10 38.0	1.989	2.853	12.0	19.8

217109 2001 XP_{251} 2 19.7 133°.53 6°.6/25.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 35.66	− 9 51.2	2.305	2.976	15.8	20.6
1 22	10 31.23	−10 30.7	2.215	2.988	13.6	20.5
2 1	10 24.74	−10 50.2	2.144	2.999	11.1	20.3
2 11	10 16.70	−10 48.1	2.098	3.009	8.6	20.2
2 21	10 7.84	−10 24.7	2.077	3.020	6.9	20.1
3 2	9 59.04	− 9 42.7	2.085	3.029	6.9	20.1
3 12	9 51.20	− 8 47.4	2.121	3.039	8.6	20.2
3 22	9 45.00	− 7 45.1	2.183	3.047	11.0	20.4

181868 1999 CG_{119} 2 19.7 334°.16 0°.2/22.8 13 C

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 12.08	+ 2 8.9	36.996	37.711	1.0	23.5
1 22	10 11.40	+ 2 10.4	36.884	37.706	0.8	23.5
2 1	10 10.64	+ 2 12.9	36.798	37.700	0.6	23.4
2 11	10 9.81	+ 2 16.0	36.740	37.695	0.4	23.4
2 21	10 8.95	+ 2 19.8	36.712	37.689	0.2	23.4
3 2	10 8.10	+ 2 24.0	36.714	37.684	0.3	23.4
3 12	10 7.28	+ 2 28.5	36.746	37.678	0.5	23.4
3 22	10 6.53	+ 2 32.9	36.806	37.673	0.8	23.4

186243 2001 XZ_{157} 2 19.7 128°.50 4°.6/14.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 36.22	+21 44.6	2.197	2.993	12.9	20.5
1 22	10 31.84	+23 5.3	2.129	3.007	10.1	20.4
2 1	10 25.22	+24 30.2	2.085	3.020	7.1	20.2
2 11	10 16.93	+25 51.5	2.069	3.032	4.9	20.1
2 21	10 7.83	+27 1.7	2.082	3.045	5.2	20.1
3 2	9 58.89	+27 54.8	2.125	3.056	7.6	20.3
3 12	9 51.10	+28 27.8	2.195	3.067	10.5	20.5
3 22	9 45.16	+28 40.7	2.287	3.078	13.1	20.7

275445 2011 CF_{62} 2 19.7 265°.05 0°.9/20.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 12	10 34.49	+ 7 16.1	2.034	2.802	14.8	21.2
1 22	10 30.74	+ 7 21.3	1.931	2.791	11.8	21.0
2 1	10 24.68	+ 7 39.8	1.851	2.780	8.3	20.7
2 11	10 16.79	+ 8 9.1	1.796	2.769	4.2	20.5
2 21	10 7.86	+ 8 45.3	1.770	2.758	1.0	20.2
3 2	9 58.87	+ 9 23.3	1.773	2.746	4.8	20.4
3 12	9 50.87	+ 9 58.0	1.803	2.735	8.9	20.7
3 22	9 44.69	+10 25.3	1.859	2.723	12.6	20.9

40433 1999 RQ_{30} 2 19.7 220°.31 5°.0/16.0 18

1 12	10 48.76	+27 35.8	2.435	3.206	12.5	19.5
1 22	10 41.48	+27 54.4	2.338	3.197	10.1	19.3
2 1	10 31.68	+28 10.1	2.267	3.189	7.4	19.1
2 11	10 20.01	+28 16.6	2.224	3.179	5.3	19.0
2 21	10 7.39	+28 8.6	2.212	3.170	5.3	19.0
3 2	9 54.97	+27 43.0	2.231	3.159	7.5	19.1
3 12	9 43.86	+26 59.8	2.280	3.149	10.3	19.2
3 22	9 34.87	+26 1.2	2.354	3.138	13.0	19.4

458382 2010 WG_{66} 2 19.7 52°.41 2°.1/18.2 18

1 12	10 36.75	+13 58.5	1.508	2.312	17.4	21.0
1 22	10 32.93	+14 31.3	1.448	2.332	13.5	20.8
2 1	10 26.25	+15 15.3	1.409	2.352	9.0	20.6
2 11	10 17.49	+16 3.9	1.395	2.372	4.3	20.4
2 21	10 7.79	+16 49.4	1.407	2.393	2.5	20.3
3 2	9 58.49	+17 24.8	1.447	2.413	6.7	20.6
3 12	9 50.84	+17 45.6	1.512	2.434	11.1	20.9
3 22	9 45.63	+17 50.5	1.600	2.456	14.8	21.2

496371 2013 RV_{83} 2 19.7 155°.06 2°.0/21.4 17

1 12	10 34.41	+ 4 5.0	2.156	2.908	14.5	22.0
1 22	10 30.41	+ 4 4.6	2.063	2.911	11.7	21.8
2 1	10 24.27	+ 4 18.4	1.993	2.913	8.4	21.6
2 11	10 16.53	+ 4 44.7	1.949	2.916	4.7	21.4
2 21	10 7.92	+ 5 20.2	1.933	2.918	2.0	21.2
3 2	9 59.38	+ 6 0.3	1.946	2.920	4.4	21.4
3 12	9 51.82	+ 6 40.0	1.989	2.922	8.1	21.6
3 22	9 45.97	+ 7 15.0	2.056	2.924	11.5	21.8

134064 2004 XF_{52} 2 19.7 271°.81 7°.1/13.5 18

1 12	10 35.67	+23 36.9	1.594	2.412	16.0	19.6
1 22	10 32.66	+25 17.6	1.511	2.400	12.7	19.3
2 1	10 26.54	+27 6.3	1.450	2.387	9.4	19.1
2 11	10 17.87	+28 51.5	1.415	2.375	7.2	19.0
2 21	10 7.69	+30 20.8	1.407	2.362	8.0	19.0
3 2	9 57.45	+31 24.2	1.425	2.350	11.2	19.1
3 12	9 48.68	+31 56.5	1.466	2.337	14.9	19.3
3 22	9 42.50	+31 58.6	1.527	2.324	18.3	19.5

17507 1992 HH_{5} 2 19.7 266°.02 0°.6/19.3 18

1 12	10 37.68	+10 45.7	1.736	2.520	16.3	18.7
1 22	10 33.87	+11 3.2	1.628	2.499	13.0	18.4
2 1	10 27.21	+11 34.6	1.542	2.478	8.9	18.1
2 11	10 18.17	+12 15.9	1.480	2.457	4.3	17.8
2 21	10 7.65	+13 1.3	1.447	2.435	1.1	17.5
3 2	9 56.89	+13 43.9	1.441	2.412	6.1	17.8
3 12	9 47.29	+14 17.3	1.463	2.389	11.0	18.0
3 22	9 39.93	+14 37.8	1.508	2.366	15.4	18.2

32708 3160 $T\text{-}_{2}$ 2 19.7 119°.25 0°.8/20.6 18

1 12	10 30.61	+ 5 6.6	2.545	3.299	12.5	19.7
1 22	10 27.08	+ 5 42.7	2.456	3.308	9.9	19.5
2 1	10 21.83	+ 6 32.1	2.391	3.317	6.9	19.3
2 11	10 15.30	+ 7 31.9	2.354	3.325	3.5	19.1
2 21	10 8.12	+ 8 37.7	2.346	3.334	0.8	18.9
3 2	10 1.02	+ 9 44.3	2.368	3.342	3.8	19.1
3 12	9 54.72	+10 46.7	2.421	3.350	7.1	19.4
3 22	9 49.79	+11 40.9	2.500	3.358	10.0	19.6

1004 Belopolskya 2 19.7 134°.08 0°.1/19.7 18

1 12	10 30.46	+ 8 46.1	2.844	3.607	11.1	15.7
1 22	10 26.78	+ 9 12.3	2.753	3.612	8.7	15.6
2 1	10 21.53	+ 9 48.0	2.687	3.618	5.9	15.4
2 11	10 15.14	+10 30.2	2.648	3.623	2.8	15.2
2 21	10 8.15	+11 15.4	2.639	3.628	0.4	15.0
3 2	10 1.23	+11 59.5	2.662	3.633	3.6	15.3
3 12	9 55.03	+12 38.9	2.713	3.638	6.6	15.5
3 22	9 50.06	+13 10.9	2.792	3.642	9.3	15.6

90990 1997 YT_{3} 2 19.7 94°.73 3°.2/21.9 18

1 12	10 39.22	+ 2 16.5	1.622	2.378	18.4	19.7
1 22	10 34.69	+ 2 1.4	1.549	2.397	14.9	19.5
2 1	10 27.39	+ 2 5.3	1.497	2.414	10.8	19.3
2 11	10 18.05	+ 2 26.9	1.468	2.432	6.4	19.1
2 21	10 7.71	+ 3 2.5	1.466	2.449	3.2	18.9
3 2	9 57.64	+ 3 46.0	1.493	2.466	5.6	19.1
3 12	9 49.06	+ 4 30.8	1.547	2.483	9.7	19.4
3 22	9 42.82	+ 5 10.9	1.624	2.499	13.6	19.6

306575 2000 DT_{104} 2 19.7 352°.75 5°.2/16.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 12	10 35.80	+20 55.3	1.348	2.174	18.0	20.3
1 22	10 32.97	+21 33.8	1.274	2.169	14.2	20.0
2 1	10 26.77	+22 18.5	1.220	2.165	9.9	19.7
2 11	10 17.94	+23 0.3	1.189	2.161	6.0	19.5
2 21	10 7.71	+23 29.8	1.183	2.159	5.8	19.5
3 2	9 57.70	+23 39.7	1.203	2.158	9.5	19.7
3 12	9 49.48	+23 26.6	1.246	2.157	13.9	19.9
3 22	9 44.11	+22 51.9	1.309	2.158	17.9	20.2

55242 2001 RP_{86} 2 19.7 66°.11 0°.3/19.9 18

1 12	10 33.34	+ 8 14.4	2.181	2.950	13.9	19.1
1 22	10 29.39	+ 8 32.8	2.108	2.970	10.9	19.0
2 1	10 23.44	+ 9 3.0	2.059	2.990	7.4	18.8
2 11	10 16.07	+ 9 41.5	2.036	3.010	3.6	18.6
2 21	10 8.02	+10 23.7	2.042	3.030	0.5	18.4
3 2	10 0.19	+11 4.9	2.078	3.050	4.3	18.7
3 12	9 53.40	+11 40.6	2.142	3.070	7.9	18.9
3 22	9 48.28	+12 7.7	2.231	3.090	11.0	19.2

403683 2010 VT_{38} 2 19.7 48°.61 11°.1/11.5 18

1 12	10 41.42	+34 49.1	1.421	2.239	17.6	20.2
1 22	10 37.21	+36 39.0	1.390	2.264	14.6	20.1
2 1	10 29.39	+38 18.3	1.380	2.290	12.2	20.0
2 11	10 18.99	+39 33.4	1.393	2.316	11.1	20.0
2 21	10 7.59	+40 14.4	1.430	2.342	11.9	20.1
3 2	9 56.97	+40 17.3	1.490	2.369	14.0	20.3
3 12	9 48.64	+39 45.0	1.571	2.396	16.4	20.6
3 22	9 43.43	+38 44.4	1.670	2.423	18.7	20.8

508448 2016 LS_{53} 2 19.7 240°.53 4°.1/24.7 17

1 12	10 30.56	− 6 26.6	3.092	3.774	11.9	22.7
1 22	10 26.87	− 6 31.9	2.970	3.759	10.1	22.5
2 1	10 21.64	− 6 22.0	2.870	3.742	8.0	22.3
2 11	10 15.24	− 5 56.8	2.796	3.726	5.8	22.2
2 21	10 8.14	− 5 17.3	2.749	3.709	4.3	22.0
3 2	10 0.96	− 4 26.1	2.733	3.692	4.6	22.0
3 12	9 54.34	− 3 27.4	2.747	3.674	6.5	22.1
3 22	9 48.83	− 2 25.5	2.788	3.655	8.8	22.2

32765 1981 EC_{40} 2 19.7 124°.85 2°.8/22.2 18

1 12	10 37.38	+ 1 35.8	2.335	3.065	14.2	19.7
1 22	10 32.42	+ 1 24.2	2.251	3.081	11.5	19.5
2 1	10 25.45	+ 1 26.7	2.189	3.097	8.4	19.3
2 11	10 17.03	+ 1 42.2	2.153	3.112	5.1	19.2
2 21	10 7.88	+ 2 8.2	2.146	3.127	2.8	19.0
3 2	9 58.88	+ 2 40.9	2.170	3.141	4.4	19.2
3 12	9 50.88	+ 3 15.8	2.224	3.155	7.5	19.4
3 22	9 44.52	+ 3 48.8	2.304	3.168	10.5	19.6

84862 2003 AU_{73} 2 19.7 194°.37 4°.5/16.3 18

1 12	10 41.73	+20 18.4	1.815	2.609	15.3	19.7
1 22	10 36.78	+21 13.3	1.730	2.608	12.0	19.5
2 1	10 28.96	+22 14.6	1.668	2.605	8.4	19.3
2 11	10 18.89	+23 14.3	1.632	2.602	5.1	19.1
2 21	10 7.59	+24 3.9	1.625	2.598	5.0	19.0
3 2	9 56.39	+24 36.4	1.647	2.593	8.2	19.2
3 12	9 46.62	+24 48.4	1.695	2.587	12.0	19.4
3 22	9 39.22	+24 40.1	1.766	2.581	15.4	19.6

408569 2013 LG_{5} 2 19.7 141°.81 1°.7/21.3 18

1 12	10 35.64	+ 3 24.2	2.289	3.032	14.1	21.8
1 22	10 31.17	+ 3 41.3	2.202	3.044	11.3	21.6
2 1	10 24.67	+ 4 13.3	2.138	3.056	8.0	21.4
2 11	10 16.69	+ 4 57.7	2.100	3.067	4.4	21.2
2 21	10 7.94	+ 5 50.6	2.092	3.077	1.7	21.1
3 2	9 59.30	+ 6 47.0	2.114	3.087	4.2	21.2
3 12	9 51.64	+ 7 41.4	2.165	3.096	7.7	21.5
3 22	9 45.62	+ 8 29.4	2.244	3.105	10.9	21.7

169403 2001 WY_{89} 2 19.7 43°.21 6°.3/25.6 18

1 12	10 31.61	− 7 44.8	2.076	2.778	16.5	19.4
1 22	10 28.26	− 8 20.5	1.995	2.792	14.1	19.2
2 1	10 22.83	− 8 35.4	1.934	2.806	11.3	19.1
2 11	10 15.85	− 8 28.0	1.895	2.821	8.5	18.9
2 21	10 8.07	− 7 59.6	1.882	2.835	6.5	18.8
3 2	10 0.41	− 7 13.6	1.896	2.850	6.6	18.9
3 12	9 53.77	− 6 15.9	1.938	2.866	8.6	19.0
3 22	9 48.83	− 5 13.4	2.004	2.881	11.3	19.2

374075 2004 RO_{142} 2 19.7 116°.51 1°.1/20.8 18

1 12	10 33.05	+ 4 33.3	2.171	2.927	14.3	21.4
1 22	10 29.28	+ 5 4.7	2.087	2.939	11.4	21.2
2 1	10 23.46	+ 5 51.7	2.026	2.951	8.0	21.0
2 11	10 16.13	+ 6 51.1	1.991	2.962	4.1	20.8
2 21	10 8.04	+ 7 57.9	1.986	2.974	1.1	20.6
3 2	10 0.06	+ 9 6.1	2.010	2.984	4.3	20.9
3 12	9 53.07	+10 9.8	2.064	2.995	8.0	21.1
3 22	9 47.74	+11 4.3	2.143	3.005	11.3	21.3

2020	α_{2000}	δ_{2000}	Δ	r	β	V
289110 2004 TL_{334}			2 19.7 128°.34	1°.4/18.6 18		
	h m	° ′			°	m
1 12	10 36.38	+13 35.5	1.993	2.778	14.5	20.8
1 22	10 32.15	+13 56.0	1.908	2.781	11.3	20.6
2 1	10 25.55	+14 25.5	1.845	2.784	7.6	20.4
2 11	10 17.17	+14 59.5	1.810	2.786	3.6	20.2
2 21	10 7.88	+15 32.6	1.803	2.789	1.7	20.0
3 2	9 58.71	+15 59.8	1.825	2.792	5.5	20.3
3 12	9 50.70	+16 16.9	1.875	2.794	9.4	20.5
3 22	9 44.64	+16 22.1	1.949	2.797	12.9	20.7
165794 2001 RX_{34}			2 19.7 110°.68	2°.2/21.8 18		
1 12	10 31.99	+ 2 27.5	2.368	3.112	13.6	20.3
1 22	10 28.31	+ 2 32.0	2.276	3.117	11.0	20.1
2 1	10 22.75	+ 2 51.0	2.207	3.123	7.9	20.0
2 11	10 15.79	+ 3 22.6	2.164	3.128	4.6	19.8
2 21	10 8.09	+ 4 3.8	2.149	3.133	2.2	19.6
3 2	10 0.46	+ 4 50.4	2.165	3.138	4.1	19.7
3 12	9 53.70	+ 5 37.4	2.209	3.143	7.4	19.9
3 22	9 48.44	+ 6 20.4	2.279	3.148	10.4	20.1
466461 2013 TH_{120}			2 19.7 155°.79	1°.8/17.8 16		
1 12	10 35.23	+14 34.6	2.448	3.226	12.3	22.1
1 22	10 30.79	+15 16.9	2.363	3.233	9.5	21.9
2 1	10 24.40	+16 6.9	2.303	3.240	6.4	21.8
2 11	10 16.56	+16 59.8	2.270	3.246	3.1	21.6
2 21	10 7.99	+17 50.5	2.268	3.252	2.1	21.5
3 2	9 59.51	+18 33.9	2.297	3.257	5.1	21.7
3 12	9 51.97	+19 6.5	2.354	3.261	8.4	21.9
3 22	9 46.01	+19 26.4	2.436	3.266	11.2	22.1
217103 2001 XV_{67}			2 19.7 94°.90	4°.6/23.6 18		
1 12	10 36.88	− 2 40.1	2.048	2.767	16.2	20.1
1 22	10 32.31	− 3 7.1	1.969	2.787	13.4	20.0
2 1	10 25.52	− 3 15.8	1.912	2.806	10.2	19.8
2 11	10 17.12	− 3 6.1	1.879	2.825	7.0	19.6
2 21	10 7.91	− 2 40.1	1.873	2.843	4.7	19.5
3 2	9 58.88	− 2 1.7	1.896	2.862	5.5	19.6
3 12	9 51.00	− 1 16.5	1.948	2.879	8.4	19.8
3 22	9 44.95	− 0 30.4	2.025	2.897	11.4	20.0
466157 2012 HR_{70}			2 19.7 238°.07	7°.2/12.3 17		
1 12	10 38.01	+30 6.4	2.173	2.972	13.0	21.9
1 22	10 33.68	+31 30.0	2.091	2.962	10.6	21.7
2 1	10 26.77	+32 53.0	2.033	2.951	8.4	21.6
2 11	10 17.84	+34 6.2	2.001	2.940	7.2	21.5
2 21	10 7.78	+35 1.5	1.998	2.928	7.9	21.5
3 2	9 57.76	+35 33.1	2.022	2.916	10.1	21.6
3 12	9 48.94	+35 38.8	2.070	2.904	12.6	21.7
3 22	9 42.20	+35 20.3	2.139	2.892	15.1	21.9
246105 2007 EE_{173}			2 19.7 294°.70	0°.0/19.7 17		
1 12	10 35.90	+ 9 7.9	1.394	2.193	18.9	21.8
1 22	10 32.92	+ 9 21.9	1.308	2.186	15.1	21.5
2 1	10 26.75	+ 9 53.6	1.240	2.180	10.4	21.2
2 11	10 18.00	+10 38.9	1.196	2.173	5.0	20.9
2 21	10 7.75	+11 30.9	1.178	2.167	0.8	20.6
3 2	9 57.49	+12 21.3	1.186	2.160	6.5	20.9
3 12	9 48.77	+13 2.3	1.219	2.154	11.9	21.2
3 22	9 42.70	+13 29.0	1.274	2.148	16.6	21.5
177470 2004 DV_{71}			2 19.7 247°.15	3°.1/16.6 18		
1 12	10 32.67	+14 4.2	1.881	2.678	14.7	20.2
1 22	10 29.63	+15 32.2	1.788	2.670	11.5	20.0
2 1	10 24.12	+17 15.2	1.720	2.662	7.7	19.8
2 11	10 16.62	+19 5.4	1.678	2.653	4.1	19.5
2 21	10 7.97	+20 53.3	1.665	2.644	3.7	19.5
3 2	9 59.24	+22 29.3	1.682	2.635	7.3	19.7
3 12	9 51.60	+23 45.9	1.725	2.626	11.3	19.9
3 22	9 45.93	+24 39.9	1.792	2.617	14.8	20.1
14256 2000 AA_{96}			2 19.7 146°.42	0°.4/19.3 18		R
1 12	10 33.86	+10 32.8	2.365	3.136	12.9	18.5
1 22	10 29.78	+10 57.2	2.276	3.141	10.1	18.3
2 1	10 23.75	+11 31.5	2.212	3.146	6.8	18.1
2 11	10 16.28	+12 12.3	2.174	3.150	3.2	17.9
2 21	10 8.05	+12 54.9	2.166	3.155	0.8	17.7
3 2	9 59.91	+13 34.8	2.189	3.159	4.4	18.0
3 12	9 52.69	+14 7.7	2.240	3.162	8.0	18.2
3 22	9 47.05	+14 31.1	2.317	3.166	11.0	18.4
344043 2012 PF_{11}			2 19.7 72°.97	1°.8/21.3 18		
1 12	10 33.61	+ 4 43.8	2.152	2.908	14.4	20.8
1 22	10 29.80	+ 4 40.8	2.060	2.911	11.6	20.6
2 1	10 23.88	+ 4 51.4	1.991	2.913	8.2	20.4
2 11	10 16.38	+ 5 13.9	1.947	2.916	4.6	20.2
2 21	10 8.03	+ 5 44.9	1.932	2.918	1.8	20.0
3 2	9 59.75	+ 6 20.2	1.946	2.920	4.4	20.2
3 12	9 52.44	+ 6 54.9	1.989	2.923	8.1	20.4
3 22	9 46.83	+ 7 24.9	2.057	2.925	11.4	20.6

2020	α_{2000}	δ_{2000}	Δ	r	β	V
90439 2004 BS_{83}			2 19.7 316°.91	11°.9/10.5 18		
	h m	° ′			°	m
1 12	10 44.67	+39 13.5	1.616	2.416	16.6	18.5
1 22	10 40.10	+40 38.9	1.550	2.407	14.4	18.4
2 1	10 31.71	+41 54.0	1.505	2.397	12.6	18.2
2 11	10 20.33	+42 45.7	1.482	2.388	11.9	18.2
2 21	10 7.43	+43 3.0	1.483	2.379	12.8	18.2
3 2	9 54.93	+42 40.9	1.508	2.371	14.8	18.3
3 12	9 44.61	+41 41.0	1.553	2.363	17.3	18.4
3 22	9 37.59	+40 10.3	1.616	2.355	19.7	18.6
505957 2015 FB_{214}			2 19.7 279°.28	4°.9/14.3 17		
1 12	10 33.01	+23 59.9	2.391	3.192	11.9	21.3
1 22	10 29.42	+25 7.0	2.298	3.177	9.4	21.1
2 1	10 23.71	+26 17.5	2.229	3.162	6.8	20.9
2 11	10 16.34	+27 24.6	2.187	3.147	5.0	20.8
2 21	10 8.04	+28 21.6	2.175	3.132	5.4	20.8
3 2	9 59.71	+29 2.8	2.191	3.117	7.7	20.9
3 12	9 52.29	+29 25.2	2.233	3.102	10.5	21.1
3 22	9 46.54	+29 28.2	2.299	3.087	13.1	21.2
105167 2000 OT_{13}			2 19.7 199°.52	0°.9/20.5 18		
1 12	10 35.02	+ 6 35.2	2.148	2.909	14.3	20.1
1 22	10 30.97	+ 6 47.9	2.052	2.907	11.4	19.9
2 1	10 24.73	+ 7 14.0	1.977	2.905	8.0	19.7
2 11	10 16.82	+ 7 51.0	1.929	2.902	4.1	19.4
2 21	10 7.97	+ 8 34.7	1.910	2.898	1.0	19.2
3 2	9 59.14	+ 9 20.0	1.921	2.895	4.5	19.4
3 12	9 51.29	+10 1.7	1.960	2.891	8.4	19.6
3 22	9 45.17	+10 35.9	2.025	2.886	11.9	19.9
282632 2005 SE_{34}			2 19.7 210°.91	0°.6/19.3 18		
1 12	10 37.59	+ 9 9.2	1.769	2.547	16.3	21.3
1 22	10 33.59	+ 9 48.6	1.673	2.541	12.9	21.1
2 1	10 26.87	+10 44.5	1.599	2.534	8.8	20.8
2 11	10 17.96	+11 52.2	1.550	2.527	4.2	20.5
2 21	10 7.79	+13 4.7	1.530	2.519	1.0	20.3
3 2	9 57.56	+14 13.9	1.540	2.510	5.9	20.6
3 12	9 48.54	+15 12.5	1.576	2.500	10.6	20.8
3 22	9 41.71	+15 56.1	1.637	2.490	14.7	21.1
423676 2005 YB_{192}			2 19.7 97°.19	0°.5/20.1 18		
1 12	10 35.93	+ 8 42.3	2.015	2.786	14.8	21.9
1 22	10 31.70	+ 8 48.6	1.932	2.794	11.7	21.7
2 1	10 25.19	+ 9 6.9	1.871	2.803	8.0	21.5
2 11	10 17.00	+ 9 34.0	1.837	2.812	3.9	21.2
2 21	10 7.96	+10 5.5	1.832	2.820	0.6	21.0
3 2	9 59.07	+10 36.7	1.855	2.828	4.7	21.3
3 12	9 51.31	+11 2.9	1.907	2.837	8.7	21.6
3 22	9 45.43	+11 21.1	1.984	2.845	12.1	21.8
168936 2000 YN_{95}			2 19.7 0°.79	1°.0/20.3 18		
1 12	10 34.98	+ 7 40.0	1.452	2.244	18.5	19.8
1 22	10 31.95	+ 7 39.7	1.370	2.244	14.8	19.6
2 1	10 25.93	+ 7 56.5	1.307	2.243	10.3	19.3
2 11	10 17.55	+ 8 27.1	1.268	2.243	5.2	19.0
2 21	10 7.87	+ 9 6.3	1.255	2.243	1.1	18.7
3 2	9 58.29	+ 9 46.9	1.268	2.244	5.9	19.0
3 12	9 50.21	+10 22.1	1.307	2.245	11.0	19.3
3 22	9 44.62	+10 47.0	1.369	2.247	15.4	19.6
381861 2009 XZ_{24}			2 19.7 82°.71	3°.5/16.0 18		
1 12	10 31.92	+16 58.7	2.056	2.856	13.6	20.8
1 22	10 28.73	+18 18.5	1.974	2.857	10.5	20.6
2 1	10 23.30	+19 47.7	1.917	2.858	7.1	20.4
2 11	10 16.16	+21 19.2	1.887	2.860	4.1	20.2
2 21	10 8.09	+22 44.8	1.887	2.861	4.1	20.2
3 2	10 0.08	+23 57.0	1.915	2.863	7.1	20.4
3 12	9 53.12	+24 50.9	1.970	2.864	10.5	20.6
3 22	9 47.96	+25 24.4	2.048	2.866	13.5	20.8
126623 2002 CJ_{160}			2 19.7 64°.55	2°.6/17.7 18		
1 12	10 35.54	+15 34.6	1.781	2.580	15.4	20.1
1 22	10 31.75	+16 14.8	1.708	2.589	12.0	19.9
2 1	10 25.40	+17 4.2	1.657	2.598	8.0	19.6
2 11	10 17.15	+17 56.5	1.632	2.608	4.0	19.4
2 21	10 7.95	+18 44.6	1.634	2.617	3.0	19.4
3 2	9 58.97	+19 22.1	1.665	2.627	6.6	19.6
3 12	9 51.32	+19 44.8	1.723	2.636	10.5	19.9
3 22	9 45.81	+19 51.3	1.803	2.646	14.0	20.1
331185 2011 AE_{48}			2 19.7 47°.41	4°.4/16.2 18		
1 12	10 35.71	+19 57.3	1.741	2.549	15.3	20.5
1 22	10 32.05	+20 53.2	1.668	2.554	11.9	20.3
2 1	10 25.70	+21 55.3	1.618	2.559	8.2	20.1
2 11	10 17.33	+22 55.9	1.594	2.565	5.0	19.9
2 21	10 7.92	+23 46.6	1.597	2.570	4.9	19.9
3 2	9 58.73	+24 20.9	1.628	2.576	8.1	20.1
3 12	9 50.93	+24 35.2	1.684	2.582	11.7	20.3
3 22	9 45.39	+24 29.6	1.762	2.588	15.0	20.5

2020	α_{2000}	δ_{2000}	Δ	r	β	V
268108 2004 SC_{23}			2 19.7	123°.29	0°.0/19.7	18
	h m	° ′			°	m
1 12	10 35.08	+ 9 3.9	2.232	2.999	13.7	21.2
1 22	10 30.81	+ 9 26.5	2.149	3.011	10.7	21.0
2 1	10 24.48	+10 0.6	2.090	3.022	7.3	20.8
2 11	10 16.64	+10 42.4	2.058	3.033	3.5	20.6
2 21	10 8.05	+11 27.4	2.055	3.043	0.5	20.4
3 2	9 59.60	+12 10.5	2.082	3.053	4.5	20.7
3 12	9 52.16	+12 47.3	2.138	3.063	8.1	20.9
3 22	9 46.40	+13 14.8	2.219	3.072	11.3	21.2
22152 Robbennett			2 19.7	73°.23	0°.5/20.1	18
1 12	10 37.15	+ 7 0.3	1.499	2.283	18.5	19.6
1 22	10 33.24	+ 7 27.6	1.436	2.305	14.6	19.4
2 1	10 26.50	+ 8 13.3	1.393	2.328	9.9	19.2
2 11	10 17.68	+ 9 12.4	1.375	2.350	4.8	19.0
2 21	10 7.90	+10 17.3	1.384	2.372	0.7	18.7
3 2	9 58.49	+11 20.0	1.420	2.394	5.7	19.1
3 12	9 50.67	+12 13.2	1.483	2.416	10.4	19.4
3 22	9 45.28	+12 52.6	1.569	2.438	14.4	19.7
88809 2001 SH_{139}			2 19.7	208°.05	0°.4/20.0	18
1 12	10 35.15	+ 8 8.9	1.971	2.743	15.0	20.7
1 22	10 31.30	+ 8 25.6	1.878	2.741	12.0	20.5
2 1	10 25.08	+ 8 56.1	1.806	2.738	8.2	20.2
2 11	10 17.04	+ 9 36.9	1.761	2.736	4.0	20.0
2 21	10 8.00	+10 23.2	1.744	2.733	0.6	19.7
3 2	9 58.98	+11 9.3	1.756	2.730	4.9	20.0
3 12	9 51.05	+11 49.7	1.797	2.726	9.1	20.3
3 22	9 45.00	+12 20.4	1.861	2.722	12.8	20.5
344386 2001 XM_{233}			2 19.7	178°.52	7°.9/28.9	17
1 12	10 32.66	−17 55.8	2.874	3.476	14.1	20.9
1 22	10 28.68	−18 47.9	2.772	3.477	12.7	20.8
2 1	10 22.98	−19 21.2	2.688	3.477	11.1	20.6
2 11	10 15.95	−19 33.1	2.626	3.478	9.5	20.5
2 21	10 8.17	−19 22.6	2.588	3.478	8.3	20.4
3 2	10 0.35	−18 50.8	2.577	3.477	7.9	20.4
3 12	9 53.22	−18 1.1	2.593	3.477	8.7	20.5
3 22	9 47.39	−16 58.9	2.635	3.476	10.1	20.6
358097 2006 KQ_{20}			2 19.7	301°.53	5°.9/13.7	18
1 12	10 29.84	+15 19.6	1.431	2.254	17.3	20.2
1 22	10 28.46	+17 50.1	1.336	2.233	13.5	19.9
2 1	10 24.02	+20 46.8	1.264	2.211	9.3	19.6
2 11	10 16.90	+23 57.1	1.219	2.190	6.1	19.3
2 21	10 7.99	+27 3.0	1.202	2.169	7.3	19.3
3 2	9 58.72	+29 46.2	1.212	2.148	11.6	19.5
3 12	9 50.70	+31 53.7	1.247	2.128	16.2	19.7
3 22	9 45.27	+33 20.7	1.301	2.108	20.3	19.9
203593 2002 CG_{283}			2 19.7	68°.81	0°.5/20.1	18
1 12	10 35.86	+ 6 38.2	1.431	2.220	19.0	20.2
1 22	10 32.44	+ 7 9.5	1.366	2.238	15.0	20.0
2 1	10 26.09	+ 8 0.8	1.320	2.256	10.3	19.7
2 11	10 17.55	+ 9 7.0	1.299	2.274	5.0	19.5
2 21	10 7.96	+10 20.0	1.304	2.293	0.7	19.2
3 2	9 58.69	+11 30.8	1.337	2.311	5.9	19.6
3 12	9 51.04	+12 31.2	1.395	2.330	10.8	19.9
3 22	9 45.87	+13 16.5	1.477	2.348	14.9	20.2
343028 2009 BJ_{128}			2 19.7	153°.44	2°.2/17.4	17
1 12	10 35.47	+17 52.2	2.674	3.454	11.3	21.3
1 22	10 30.82	+18 19.3	2.588	3.459	8.8	21.2
2 1	10 24.36	+18 50.5	2.528	3.464	5.9	21.0
2 11	10 16.57	+19 21.8	2.495	3.469	3.1	20.8
2 21	10 8.11	+19 48.8	2.493	3.473	2.6	20.8
3 2	9 59.77	+20 7.9	2.521	3.477	5.1	20.9
3 12	9 52.32	+20 16.6	2.578	3.480	8.0	21.1
3 22	9 46.35	+20 14.1	2.660	3.483	10.6	21.3
278453 2007 TY_{31}			2 19.7	89°.74	7°.3/12.1	18
1 12	10 39.79	+34 14.0	2.405	3.194	12.2	20.6
1 22	10 34.54	+35 25.5	2.356	3.214	10.0	20.4
2 1	10 26.98	+36 30.6	2.331	3.235	8.2	20.4
2 11	10 17.81	+37 21.9	2.333	3.254	7.3	20.3
2 21	10 7.93	+37 53.3	2.362	3.274	7.9	20.4
3 2	9 58.42	+38 1.8	2.419	3.294	9.5	20.5
3 12	9 50.23	+37 47.4	2.500	3.313	11.4	20.7
3 22	9 44.03	+37 12.9	2.603	3.332	13.2	20.9
337637 2001 TW_{109}			2 19.7	135°.32	1°.0/18.5	17
1 12	10 34.04	+13 19.9	3.039	3.804	10.4	21.7
1 22	10 29.41	+13 47.6	2.956	3.819	8.1	21.5
2 1	10 23.25	+14 21.5	2.899	3.833	5.4	21.4
2 11	10 15.99	+14 58.0	2.870	3.846	2.5	21.2
2 21	10 8.20	+15 33.8	2.873	3.859	1.2	21.1
3 2	10 0.53	+16 5.3	2.907	3.871	3.9	21.3
3 12	9 53.61	+16 29.8	2.971	3.883	6.6	21.5
3 22	9 47.93	+16 45.6	3.062	3.895	9.1	21.7

2020	α_{2000}	δ_{2000}	Δ	r	β	V
349018 2006 UD_{352}			2 19.7	182°.68	0°.4/19.3	17
	h m	° ′			°	m
1 12	10 32.07	+10 32.4	2.837	3.601	11.1	22.1
1 22	10 28.10	+10 57.8	2.741	3.602	8.7	22.0
2 1	10 22.50	+11 31.6	2.669	3.602	5.9	21.8
2 11	10 15.69	+12 10.9	2.626	3.601	2.7	21.6
2 21	10 8.24	+12 51.9	2.613	3.601	0.7	21.4
3 2	10 0.83	+13 30.8	2.631	3.600	3.8	21.6
3 12	9 54.15	+14 4.1	2.678	3.599	6.9	21.8
3 22	9 48.73	+14 29.3	2.752	3.597	9.6	22.0
237394 1997 SZ_{13}			2 19.7	225°.11	0°.9/18.9	17
1 12	10 34.92	+12 47.6	2.420	3.195	12.5	21.5
1 22	10 30.67	+13 5.8	2.322	3.189	9.8	21.3
2 1	10 24.43	+13 32.1	2.247	3.183	6.6	21.1
2 11	10 16.67	+14 2.8	2.201	3.177	3.1	20.8
2 21	10 8.10	+14 33.9	2.183	3.171	1.2	20.7
3 2	9 59.54	+15 1.0	2.196	3.164	4.7	20.9
3 12	9 51.87	+15 20.5	2.238	3.157	8.2	21.1
3 22	9 45.77	+15 30.5	2.306	3.150	11.3	21.3
373861 2003 RO_{2}			2 19.7	142°.22	1°.1/18.8	16
1 12	10 38.95	+14 11.6	2.409	3.179	12.7	21.2
1 22	10 33.67	+14 19.8	2.323	3.187	9.9	21.0
2 1	10 26.34	+14 34.2	2.261	3.195	6.7	20.8
2 11	10 17.53	+14 51.2	2.227	3.203	3.1	20.6
2 21	10 7.99	+15 6.9	2.224	3.210	1.4	20.5
3 2	9 58.60	+15 17.8	2.251	3.217	4.7	20.7
3 12	9 50.24	+15 21.1	2.308	3.224	8.1	20.9
3 22	9 43.57	+15 15.7	2.390	3.230	11.1	21.1
373053 2011 EA_{82}			2 19.7	71°.40	1°.6/18.5	18
1 12	10 36.54	+14 19.2	1.912	2.702	14.8	20.9
1 22	10 32.38	+14 39.7	1.832	2.708	11.6	20.7
2 1	10 25.77	+15 8.9	1.775	2.714	7.8	20.5
2 11	10 17.35	+15 41.9	1.743	2.720	3.7	20.2
2 21	10 8.02	+16 13.1	1.740	2.726	2.0	20.1
3 2	9 58.85	+16 37.3	1.766	2.732	5.8	20.4
3 12	9 50.93	+16 50.7	1.819	2.738	9.7	20.6
3 22	9 45.02	+16 51.7	1.896	2.744	13.2	20.8
154687 2004 HS			2 19.7	185°.52	1°.2/18.8	18
1 12	10 42.05	+12 44.2	1.950	2.722	15.2	20.6
1 22	10 36.74	+13 6.1	1.857	2.723	11.9	20.3
2 1	10 28.81	+13 38.2	1.788	2.723	8.1	20.1
2 11	10 18.85	+14 15.9	1.745	2.722	3.8	19.8
2 21	10 7.79	+14 53.4	1.732	2.719	1.5	19.7
3 2	9 56.79	+15 25.0	1.749	2.716	5.7	19.9
3 12	9 47.03	+15 46.2	1.795	2.712	9.9	20.2
3 22	9 39.42	+15 55.0	1.865	2.707	13.6	20.4
162180 1999 KR_{5}			2 19.7	275°.84	8°.0/13.3	18
1 12	10 39.65	+27 4.2	1.633	2.445	16.0	20.0
1 22	10 35.99	+28 29.8	1.541	2.423	13.0	19.7
2 1	10 29.00	+29 59.7	1.471	2.401	9.9	19.5
2 11	10 19.21	+31 22.4	1.426	2.378	8.1	19.3
2 21	10 7.71	+32 26.1	1.408	2.355	8.9	19.3
3 2	9 56.03	+33 1.4	1.415	2.332	11.8	19.4
3 12	9 45.86	+33 4.5	1.445	2.309	15.5	19.6
3 22	9 38.45	+32 37.3	1.495	2.285	18.9	19.7
327915 2007 DH_{23}			2 19.7	195°.99	1°.1/20.9	18
1 12	10 32.17	+ 3 31.0	2.230	2.982	14.1	20.8
1 22	10 28.71	+ 4 15.2	2.131	2.980	11.3	20.6
2 1	10 23.21	+ 5 17.0	2.054	2.978	8.0	20.4
2 11	10 16.14	+ 6 33.3	2.005	2.975	4.2	20.2
2 21	10 8.20	+ 7 58.8	1.985	2.972	1.1	19.9
3 2	10 0.24	+ 9 26.8	1.995	2.969	4.3	20.1
3 12	9 53.16	+10 50.2	2.035	2.965	8.1	20.4
3 22	9 47.67	+12 3.6	2.101	2.961	11.6	20.6
129499 1995 FG_{6}			2 19.7	25°.35	3°.2/17.9	18
1 12	10 38.05	+16 34.6	1.303	2.120	18.9	19.6
1 22	10 34.69	+16 59.0	1.234	2.124	14.8	19.3
2 1	10 27.93	+17 33.5	1.184	2.129	10.0	19.1
2 11	10 18.55	+18 10.5	1.158	2.135	5.1	18.8
2 21	10 7.84	+18 41.4	1.157	2.141	3.6	18.7
3 2	9 57.45	+18 58.9	1.183	2.148	8.1	19.0
3 12	9 48.93	+18 58.8	1.232	2.155	12.9	19.3
3 22	9 43.31	+18 40.7	1.302	2.163	17.2	19.6
84826 2002 YU_{34}			2 19.7	358°.60	1°.5/18.5	18
1 12	10 32.85	+11 34.1	1.610	2.410	16.7	19.4
1 22	10 30.05	+12 17.2	1.527	2.409	13.1	19.2
2 1	10 24.52	+13 15.5	1.467	2.409	8.8	18.9
2 11	10 16.88	+14 23.1	1.431	2.408	4.1	18.7
2 21	10 8.09	+15 31.9	1.422	2.408	2.0	18.5
3 2	9 59.38	+16 33.7	1.440	2.409	6.5	18.8
3 12	9 51.99	+17 21.6	1.485	2.409	11.0	19.1
3 22	9 46.85	+17 52.1	1.552	2.410	15.0	19.3

57587 2001 TZ_{73} 2 19.7 52°.26 5°.0/15.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 12	10 36.04	+25 15.9	2.229	3.028	12.7	19.1
1 22	10 31.75	+26 5.0	2.155	3.033	10.0	18.9
2 1	10 25.22	+26 54.4	2.106	3.038	7.3	18.8
2 11	10 17.05	+27 37.7	2.084	3.043	5.3	18.6
2 21	10 8.08	+28 8.6	2.090	3.049	5.5	18.7
3 2	9 59.31	+28 22.9	2.125	3.054	7.8	18.8
3 12	9 51.70	+28 18.7	2.186	3.060	10.5	19.0
3 22	9 45.96	+27 57.1	2.270	3.065	13.1	19.2

43073 1999 VP_{184} 2 19.7 203°.21 3°.9/16.2 18

1 12	10 38.45	+19 29.7	2.053	2.845	13.9	20.1
1 22	10 33.93	+20 28.0	1.964	2.841	10.8	19.9
2 1	10 26.92	+21 33.0	1.899	2.836	7.5	19.7
2 11	10 17.97	+22 37.6	1.861	2.831	4.5	19.5
2 21	10 7.94	+23 34.3	1.852	2.825	4.4	19.5
3 2	9 57.95	+24 16.8	1.872	2.818	7.4	19.6
3 12	9 49.12	+24 41.0	1.920	2.811	10.9	19.8
3 22	9 42.30	+24 46.3	1.991	2.803	14.0	20.0

218695 2005 TG_{79} 2 19.7 125°.52 1°.0/20.8 18

1 12	10 33.27	+ 3 41.9	2.175	2.927	14.4	21.1
1 22	10 29.49	+ 4 29.9	2.091	2.940	11.5	20.9
2 1	10 23.67	+ 5 35.0	2.029	2.953	8.0	20.8
2 11	10 16.32	+ 6 53.7	1.994	2.965	4.1	20.5
2 21	10 8.20	+ 8 20.1	1.989	2.977	1.0	20.3
3 2	10 0.18	+ 9 47.4	2.014	2.988	4.3	20.6
3 12	9 53.14	+11 8.6	2.069	2.999	8.1	20.8
3 22	9 47.76	+12 18.8	2.150	3.009	11.4	21.1

122385 2000 QG_{72} 2 19.7 249°.34 1°.0/20.5 17

1 12	10 35.77	+ 6 7.6	1.730	2.503	16.8	21.0
1 22	10 32.30	+ 6 25.4	1.628	2.491	13.5	20.7
2 1	10 26.12	+ 7 1.1	1.547	2.478	9.5	20.4
2 11	10 17.71	+ 7 52.1	1.491	2.464	4.9	20.1
2 21	10 7.97	+ 8 53.0	1.462	2.450	1.0	19.8
3 2	9 58.09	+ 9 56.5	1.462	2.436	5.5	20.1
3 12	9 49.35	+10 55.2	1.488	2.421	10.3	20.3
3 22	9 42.77	+11 43.1	1.539	2.406	14.6	20.6

138608 2000 QX_{184} 2 19.7 208°.64 1°.3/18.5 18

1 12	10 36.02	+14 59.2	2.683	3.456	11.5	20.1
1 22	10 31.30	+15 11.8	2.586	3.452	9.0	20.0
2 1	10 24.73	+15 29.9	2.513	3.448	6.0	19.8
2 11	10 16.80	+15 50.1	2.468	3.444	2.9	19.5
2 21	10 8.14	+16 8.7	2.453	3.439	1.6	19.4
3 2	9 59.53	+16 22.3	2.470	3.434	4.5	19.6
3 12	9 51.76	+16 28.2	2.516	3.429	7.6	19.8
3 22	9 45.44	+16 25.2	2.588	3.424	10.5	20.0

59791 1999 NN_{59} 2 19.7 156°.03 2°.6/22.7 18

1 12	10 33.67	− 0 37.4	2.767	3.482	12.5	20.6
1 22	10 29.34	− 0 26.2	2.671	3.491	10.2	20.4
2 1	10 23.35	− 0 0.6	2.598	3.500	7.6	20.2
2 11	10 16.12	+ 0 38.1	2.552	3.508	4.7	20.1
2 21	10 8.26	+ 1 27.3	2.536	3.515	2.7	19.9
3 2	10 0.44	+ 2 23.0	2.551	3.521	3.8	20.0
3 12	9 53.38	+ 3 20.6	2.596	3.527	6.6	20.2
3 22	9 47.62	+ 4 15.6	2.668	3.532	9.3	20.4

130860 2000 UY_{82} 2 19.7 225°.40 6°.6/14.4 18

1 12	10 39.79	+24 54.5	1.742	2.549	15.4	19.9
1 22	10 35.58	+26 10.0	1.661	2.543	12.2	19.7
2 1	10 28.37	+27 29.2	1.603	2.536	9.0	19.5
2 11	10 18.77	+28 42.1	1.571	2.529	6.7	19.3
2 21	10 7.85	+29 39.0	1.566	2.522	7.3	19.3
3 2	9 57.01	+30 12.2	1.587	2.514	10.1	19.5
3 12	9 47.64	+30 18.9	1.634	2.506	13.5	19.6
3 22	9 40.78	+30 0.3	1.702	2.498	16.7	19.8

190402 1999 TK_{168} 2 19.7 104°.98 0°.3/19.9 18

1 12	10 35.36	+ 8 47.1	2.118	2.887	14.2	20.6
1 22	10 31.16	+ 9 1.3	2.036	2.898	11.2	20.4
2 1	10 24.81	+ 9 27.2	1.977	2.908	7.7	20.2
2 11	10 16.88	+10 1.4	1.944	2.919	3.7	20.0
2 21	10 8.15	+10 39.6	1.940	2.929	0.5	19.8
3 2	9 59.57	+11 16.7	1.966	2.939	4.5	20.1
3 12	9 52.06	+11 48.3	2.021	2.949	8.3	20.4
3 22	9 46.32	+12 11.2	2.100	2.959	11.7	20.6

498673 2008 SS_{182} 2 19.7 194°.83 1°.5/18.3 17

1 12	10 33.93	+13 21.1	2.236	3.019	13.2	22.0
1 22	10 30.07	+13 56.1	2.146	3.018	10.3	21.8
2 1	10 24.11	+14 40.4	2.079	3.017	6.9	21.6
2 11	10 16.58	+15 29.4	2.039	3.016	3.3	21.4
2 21	10 8.19	+16 17.9	2.029	3.015	1.8	21.3
3 2	9 59.85	+17 0.3	2.048	3.013	5.2	21.5
3 12	9 52.49	+17 32.5	2.096	3.011	8.8	21.7
3 22	9 46.79	+17 52.2	2.168	3.010	12.0	21.9

352751 2008 TY_{120} 2 19.7 39°.92 0°.6/20.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 12	10 31.14	+ 4 27.1	1.197	2.001	21.1	20.5
1 22	10 29.33	+ 5 18.2	1.133	2.014	16.7	20.3
2 1	10 24.32	+ 6 37.2	1.088	2.027	11.5	20.0
2 11	10 16.86	+ 8 17.7	1.066	2.042	5.7	19.7
2 21	10 8.15	+10 8.9	1.068	2.057	0.8	19.4
3 2	9 59.72	+11 57.4	1.096	2.072	6.5	19.9
3 12	9 53.04	+13 31.3	1.149	2.088	12.0	20.2
3 22	9 49.06	+14 43.3	1.223	2.105	16.6	20.5

365861 2011 UQ_{142} 2 19.7 75°.23 1°.7/20.9 18

1 12	10 38.94	+ 5 21.0	1.547	2.320	18.5	21.4
1 22	10 34.54	+ 5 24.9	1.484	2.344	14.7	21.2
2 1	10 27.35	+ 5 47.0	1.440	2.368	10.3	21.0
2 11	10 18.13	+ 6 23.8	1.421	2.392	5.4	20.8
2 21	10 7.98	+ 7 9.7	1.429	2.416	1.7	20.6
3 2	9 58.21	+ 7 57.9	1.465	2.440	5.4	20.9
3 12	9 50.04	+ 8 41.6	1.528	2.463	9.9	21.2
3 22	9 44.26	+ 9 16.1	1.614	2.486	13.8	21.5

149877 2005 QK_{158} 2 19.7 83°.37 0°.1/19.7 18

1 12	10 32.24	+ 6 58.9	1.821	2.600	15.8	20.1
1 22	10 29.18	+ 7 48.9	1.738	2.606	12.5	19.9
2 1	10 23.73	+ 8 56.8	1.677	2.611	8.5	19.7
2 11	10 16.45	+10 17.7	1.641	2.617	4.1	19.4
2 21	10 8.21	+11 44.5	1.634	2.623	0.6	19.2
3 2	10 0.05	+13 8.8	1.656	2.628	5.3	19.5
3 12	9 53.04	+14 23.2	1.705	2.634	9.6	19.8
3 22	9 47.97	+15 22.6	1.779	2.639	13.3	20.0

119055 2001 KN_{12} 2 19.7 259°.27 1°.5/18.7 18

1 12	10 36.45	+11 22.3	1.512	2.310	17.7	20.2
1 22	10 33.28	+12 0.9	1.418	2.298	14.0	20.0
2 1	10 27.03	+12 56.5	1.345	2.286	9.5	19.7
2 11	10 18.24	+14 3.4	1.296	2.273	4.5	19.3
2 21	10 7.93	+15 13.3	1.273	2.260	2.0	19.1
3 2	9 57.49	+16 16.8	1.278	2.247	7.0	19.4
3 12	9 48.43	+17 6.1	1.309	2.234	12.2	19.7
3 22	9 41.89	+17 36.9	1.361	2.221	16.7	19.9

86595 2000 EW_{65} 2 19.7 239°.13 0°.1/19.8 18

1 12	10 37.52	+ 8 8.8	1.824	2.597	16.1	20.7
1 22	10 33.58	+ 8 33.5	1.719	2.583	12.9	20.5
2 1	10 26.95	+ 9 14.3	1.635	2.568	8.9	20.2
2 11	10 18.12	+10 7.7	1.577	2.552	4.3	19.9
2 21	10 7.96	+11 8.0	1.547	2.535	0.6	19.6
3 2	9 57.62	+12 8.0	1.546	2.518	5.6	19.9
3 12	9 48.38	+13 0.8	1.573	2.500	10.3	20.1
3 22	9 41.24	+13 41.4	1.624	2.482	14.5	20.3

100752 1998 EF_{20} 2 19.7 3°.44 0°.4/20.0 18

1 12	10 30.97	+ 6 11.6	1.367	2.167	19.1	19.3
1 22	10 29.01	+ 6 49.8	1.287	2.166	15.2	19.1
2 1	10 24.08	+ 7 51.3	1.227	2.166	10.5	18.8
2 11	10 16.78	+ 9 11.4	1.190	2.166	5.2	18.5
2 21	10 8.17	+10 41.4	1.179	2.167	0.7	18.2
3 2	9 59.62	+12 10.8	1.194	2.169	6.3	18.5
3 12	9 52.55	+13 29.2	1.234	2.171	11.5	18.8
3 22	9 47.98	+14 29.7	1.295	2.174	16.1	19.1

436299 2010 EF_5 2 19.7 264°.10 9°.8/ 2.9 17

1 12	10 30.29	−23 58.6	2.672	3.236	15.8	21.6
1 22	10 27.16	−24 43.0	2.560	3.225	14.5	21.5
2 1	10 22.16	−25 4.3	2.465	3.214	13.1	21.4
2 11	10 15.68	−24 58.8	2.388	3.202	11.6	21.2
2 21	10 8.34	−24 24.6	2.333	3.191	10.3	21.1
3 2	10 0.89	−23 22.4	2.303	3.180	9.8	21.1
3 12	9 54.16	−21 56.3	2.298	3.168	10.2	21.1
3 22	9 48.84	−20 13.0	2.317	3.157	11.4	21.1

265714 2005 UZ_{278} 2 19.7 198°.61 3°.1/16.8 16

1 12	10 36.68	+18 8.1	2.259	3.046	12.9	21.8
1 22	10 32.28	+18 57.4	2.169	3.043	10.1	21.6
2 1	10 25.65	+19 53.1	2.102	3.040	6.9	21.4
2 11	10 17.34	+20 49.6	2.064	3.036	3.9	21.2
2 21	10 8.10	+21 40.4	2.055	3.032	3.5	21.2
3 2	9 58.91	+22 20.1	2.076	3.027	6.4	21.4
3 12	9 50.73	+22 44.9	2.125	3.022	9.7	21.6
3 22	9 44.33	+22 53.8	2.198	3.016	12.7	21.8

311080 2004 EW_{48} 2 19.7 33°.65 0°.2/19.6 18

1 12	10 36.05	+10 16.5	1.560	2.354	17.4	20.2
1 22	10 32.53	+10 24.1	1.483	2.359	13.8	20.0
2 1	10 26.19	+10 45.5	1.426	2.364	9.4	19.8
2 11	10 17.68	+11 16.4	1.393	2.370	4.5	19.5
2 21	10 8.05	+11 51.2	1.387	2.376	0.7	19.2
3 2	9 58.60	+12 23.4	1.409	2.382	5.8	19.6
3 12	9 50.62	+12 47.4	1.456	2.389	10.6	19.9
3 22	9 45.00	+12 59.9	1.527	2.396	14.6	20.1

102550 1999 UY_{17} 2 19.7 359°.07 1°.9/18.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 12	10 32.42	+12 35.4	1.299	2.118	18.9	19.7
1 22	10 30.35	+13 7.0	1.223	2.115	14.9	19.4
2 1	10 25.08	+13 54.5	1.167	2.113	10.0	19.1
2 11	10 17.28	+14 51.4	1.134	2.113	4.7	18.8
2 21	10 8.10	+15 48.9	1.126	2.113	2.4	18.6
3 2	9 59.06	+16 37.6	1.143	2.114	7.4	19.0
3 12	9 51.66	+17 10.5	1.185	2.116	12.6	19.2
3 22	9 46.95	+17 24.3	1.247	2.118	17.1	19.5

492464 2014 NL_{18} 2 19.7 237°.52 0°.3/19.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 36.40	+ 7 54.3	1.775	2.551	16.3	22.3
1 22	10 32.79	+ 8 36.6	1.671	2.537	13.0	22.0
2 1	10 26.47	+ 9 37.4	1.589	2.523	9.0	21.7
2 11	10 17.92	+10 52.5	1.532	2.508	4.3	21.4
2 21	10 8.01	+12 15.0	1.504	2.492	0.8	21.1
3 2	9 57.91	+13 36.1	1.504	2.476	5.9	21.4
3 12	9 48.93	+14 47.7	1.533	2.458	10.7	21.7
3 22	9 42.08	+15 44.2	1.585	2.441	14.9	21.9

236356 2006 BE_{179} 2 19.7 289°.53 0°.0/19.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 36.05	+ 9 30.5	1.485	2.279	18.1	20.7
1 22	10 33.02	+ 9 39.1	1.388	2.264	14.5	20.4
2 1	10 26.90	+10 3.8	1.311	2.249	10.0	20.1
2 11	10 18.21	+10 41.0	1.258	2.234	4.9	19.8
2 21	10 7.96	+11 24.8	1.231	2.220	0.7	19.4
3 2	9 57.56	+12 7.6	1.231	2.205	6.4	19.8
3 12	9 48.52	+12 42.2	1.256	2.190	11.7	20.0
3 22	9 42.02	+13 4.0	1.303	2.176	16.4	20.2

354932 2006 DA_{193} 2 19.7 38°.03 2°.4/18.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 36.75	+14 8.2	1.246	2.064	19.6	20.8
1 22	10 33.70	+14 37.5	1.183	2.074	15.3	20.6
2 1	10 27.26	+15 20.4	1.140	2.085	10.3	20.3
2 11	10 18.25	+16 9.3	1.119	2.097	4.9	20.1
2 21	10 7.99	+16 55.1	1.123	2.109	2.9	20.0
3 2	9 58.10	+17 29.3	1.153	2.122	7.7	20.3
3 12	9 50.13	+17 46.5	1.207	2.135	12.7	20.6
3 22	9 45.03	+17 45.3	1.282	2.149	17.0	20.9

258170 2001 SJ_{129} 2 19.7 113°.97 0°.6/19.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 39.47	+11 46.5	2.099	2.869	14.3	21.3
1 22	10 34.32	+12 1.0	2.023	2.887	11.2	21.1
2 1	10 26.91	+12 24.8	1.971	2.904	7.5	20.9
2 11	10 17.87	+12 53.8	1.945	2.921	3.5	20.7
2 21	10 8.06	+13 23.4	1.949	2.937	1.0	20.5
3 2	9 58.49	+13 49.0	1.984	2.953	4.9	20.9
3 12	9 50.12	+14 6.8	2.047	2.968	8.6	21.1
3 22	9 43.66	+14 14.9	2.135	2.983	11.9	21.3

292158 2006 RB_{104} 2 19.7 205°.45 1°.3/18.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 32.65	+13 29.4	2.638	3.414	11.5	22.0
1 22	10 28.76	+14 3.3	2.543	3.412	9.0	21.8
2 1	10 23.08	+14 44.9	2.472	3.408	6.0	21.6
2 11	10 16.06	+15 30.5	2.429	3.405	2.9	21.4
2 21	10 8.32	+16 15.5	2.416	3.401	1.6	21.3
3 2	10 0.60	+16 55.5	2.433	3.397	4.6	21.5
3 12	9 53.68	+17 27.0	2.480	3.393	7.7	21.7
3 22	9 48.14	+17 47.7	2.552	3.389	10.6	21.9

426193 2012 JE_{58} 2 19.7 164°.71 4°.0/15.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 36.69	+22 11.2	2.540	3.328	11.6	22.2
1 22	10 32.00	+23 11.9	2.460	3.333	9.1	22.1
2 1	10 25.30	+24 15.5	2.405	3.338	6.4	21.9
2 11	10 17.12	+25 16.1	2.379	3.343	4.3	21.8
2 21	10 8.16	+26 7.6	2.382	3.346	4.5	21.8
3 2	9 59.31	+26 45.3	2.416	3.350	6.7	21.9
3 12	9 51.43	+27 6.6	2.477	3.352	9.4	22.1
3 22	9 45.16	+27 11.3	2.563	3.355	11.9	22.3

110266 2001 SR_{248} 2 19.7 145°.47 0°.1/19.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 32.49	+ 8 36.3	2.881	3.637	11.1	21.9
1 22	10 28.37	+ 9 2.6	2.791	3.646	8.8	21.7
2 1	10 22.66	+ 9 38.2	2.726	3.655	6.0	21.6
2 11	10 15.80	+10 20.2	2.689	3.664	2.9	21.4
2 21	10 8.36	+11 5.1	2.683	3.672	0.4	21.2
3 2	10 0.99	+11 49.0	2.708	3.679	3.6	21.4
3 12	9 54.35	+12 28.1	2.763	3.687	6.6	21.6
3 22	9 48.97	+13 0.0	2.845	3.693	9.2	21.8

10532 1991 NA_{2} 2 19.7 283°.75 1°.9/17.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 32.16	+12 3.8	1.868	2.661	15.0	18.1
1 22	10 29.33	+13 2.2	1.766	2.645	11.8	17.9
2 1	10 24.02	+14 15.9	1.687	2.629	7.9	17.6
2 11	10 16.71	+15 39.0	1.635	2.612	3.8	17.3
2 21	10 8.20	+17 4.0	1.610	2.595	2.4	17.2
3 2	9 59.56	+18 22.2	1.615	2.579	6.4	17.4
3 12	9 51.95	+19 26.4	1.646	2.562	10.7	17.6
3 22	9 46.29	+20 12.5	1.700	2.546	14.6	17.8

5698 Nolde 2 19.7 288°.78 0°.7/19.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 12	10 31.98	+11 18.5	2.298	3.078	13.0	17.6
1 22	10 28.57	+11 45.2	2.197	3.067	10.2	17.4
2 1	10 23.15	+12 22.2	2.119	3.056	6.9	17.2
2 11	10 16.16	+13 6.0	2.068	3.045	3.2	16.9
2 21	10 8.30	+13 51.7	2.046	3.034	1.1	16.7
3 2	10 0.42	+14 34.4	2.054	3.023	4.8	17.0
3 12	9 53.39	+15 9.5	2.090	3.013	8.4	17.2
3 22	9 47.93	+15 34.0	2.151	3.002	11.7	17.4

416933 2005 SY_{104} 2 19.7 93°.69 6°.1/26.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 34.91	− 9 41.2	2.134	2.815	16.6	21.3
1 22	10 30.75	− 9 55.1	2.058	2.839	14.2	21.1
2 1	10 24.50	− 9 46.1	2.001	2.864	11.4	21.0
2 11	10 16.74	− 9 13.4	1.967	2.888	8.5	20.9
2 21	10 8.24	− 8 19.1	1.960	2.911	6.4	20.8
3 2	9 59.93	− 7 7.8	1.981	2.934	6.4	20.8
3 12	9 52.69	− 5 46.6	2.030	2.957	8.4	21.0
3 22	9 47.18	− 4 23.0	2.106	2.979	11.0	21.2

405541 2005 GM_{44} 2 19.7 338°.02 0°.5/20.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 33.99	+ 8 46.2	1.409	2.210	18.6	20.6
1 22	10 31.40	+ 8 46.7	1.323	2.202	14.9	20.4
2 1	10 25.74	+ 9 3.8	1.257	2.195	10.3	20.1
2 11	10 17.62	+ 9 34.0	1.213	2.189	5.1	19.7
2 21	10 8.09	+10 11.8	1.195	2.183	0.8	19.4
3 2	9 58.57	+10 50.0	1.203	2.178	6.2	19.8
3 12	9 50.53	+11 21.5	1.236	2.174	11.4	20.0
3 22	9 45.04	+11 41.6	1.290	2.171	16.0	20.3

233731 2008 SL_{210} 2 19.7 27°.38 1°.9/21.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 32.71	+ 2 56.5	1.373	2.158	19.8	20.4
1 22	10 30.36	+ 3 22.2	1.293	2.160	16.0	20.1
2 1	10 25.00	+ 4 13.6	1.231	2.162	11.4	19.8
2 11	10 17.24	+ 5 27.5	1.193	2.164	6.2	19.5
2 21	10 8.15	+ 6 56.7	1.179	2.167	1.9	19.3
3 2	9 59.13	+ 8 30.8	1.193	2.169	6.0	19.5
3 12	9 51.61	+ 9 58.8	1.231	2.172	11.2	19.8
3 22	9 46.61	+11 12.4	1.293	2.176	15.8	20.1

512328 2016 LJ_{12} 2 19.7 166°.82 3°.7/15.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 32.71	+20 38.9	2.556	3.350	11.4	21.0
1 22	10 28.94	+21 47.5	2.474	3.352	8.9	20.8
2 1	10 23.27	+23 0.8	2.417	3.354	6.2	20.6
2 11	10 16.18	+24 12.6	2.389	3.356	4.0	20.5
2 21	10 8.35	+25 16.9	2.391	3.357	4.2	20.5
3 2	10 0.56	+26 8.4	2.422	3.359	6.5	20.6
3 12	9 53.65	+26 44.0	2.480	3.360	9.2	20.8
3 22	9 48.24	+27 2.6	2.563	3.361	11.7	21.0

180545 2004 EJ_{16} 2 19.7 275°.42 3°.0/17.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 35.32	+15 55.9	1.769	2.569	15.4	20.6
1 22	10 31.91	+16 42.3	1.677	2.560	12.1	20.4
2 1	10 25.80	+17 39.3	1.609	2.550	8.2	20.1
2 11	10 17.57	+18 40.5	1.565	2.541	4.3	19.9
2 21	10 8.13	+19 37.9	1.550	2.532	3.4	19.8
3 2	9 58.67	+20 24.2	1.563	2.522	7.2	20.0
3 12	9 50.45	+20 54.1	1.601	2.513	11.3	20.2
3 22	9 44.40	+21 5.5	1.663	2.503	15.1	20.4

154040 2002 CH_{80} 2 19.7 277°.49 1°.3/18.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 35.64	+13 11.6	1.944	2.731	14.7	20.4
1 22	10 31.80	+13 32.3	1.851	2.725	11.5	20.2
2 1	10 25.53	+14 2.9	1.781	2.719	7.8	20.0
2 11	10 17.37	+14 39.0	1.737	2.714	3.7	19.7
2 21	10 8.17	+15 15.1	1.721	2.708	1.7	19.6
3 2	9 59.01	+15 45.6	1.734	2.702	5.6	19.8
3 12	9 50.97	+16 6.1	1.775	2.696	9.7	20.0
3 22	9 44.89	+16 14.2	1.839	2.691	13.4	20.2

171858 2001 OO_{42} 2 19.7 197°.00 1°.7/21.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 32.43	+ 2 52.2	3.048	3.778	11.2	21.7
1 22	10 28.32	+ 3 1.4	2.941	3.774	9.0	21.5
2 1	10 22.67	+ 3 22.0	2.858	3.770	6.5	21.4
2 11	10 15.86	+ 3 52.4	2.803	3.766	3.8	21.2
2 21	10 8.42	+ 4 30.2	2.777	3.761	1.7	21.0
3 2	10 0.98	+ 5 12.2	2.783	3.756	3.4	21.1
3 12	9 54.16	+ 5 54.5	2.819	3.750	6.1	21.3
3 22	9 48.50	+ 6 33.9	2.883	3.743	8.8	21.5

128770 2004 RY_{193} 2 19.7 179°.23 1°.7/21.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 34.41	+ 3 37.2	2.425	3.167	13.4	21.3
1 22	10 30.25	+ 3 47.2	2.327	3.168	10.8	21.1
2 1	10 24.17	+ 4 10.9	2.252	3.169	7.7	20.9
2 11	10 16.64	+ 4 46.4	2.203	3.170	4.3	20.7
2 21	10 8.31	+ 5 30.5	2.184	3.170	1.7	20.5
3 2	10 0.00	+ 6 18.6	2.196	3.169	4.0	20.7
3 12	9 52.55	+ 7 6.0	2.236	3.168	7.4	20.9
3 22	9 46.60	+ 7 48.4	2.303	3.167	10.6	21.1

403520 2010 CS_6 2 19.7 219°.47 2°.3/17.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 12	10 36.94	+13 31.8	2.135	2.915	13.8	22.0
1 22	10 32.74	+14 37.2	2.033	2.904	10.8	21.7
2 1	10 26.18	+15 55.1	1.955	2.893	7.3	21.5
2 11	10 17.72	+17 19.6	1.905	2.880	3.6	21.2
2 21	10 8.15	+18 43.3	1.884	2.867	2.7	21.2
3 2	9 58.45	+19 58.6	1.894	2.852	6.2	21.3
3 12	9 49.72	+20 59.3	1.932	2.837	10.1	21.5
3 22	9 42.81	+21 42.3	1.996	2.821	13.5	21.7

184315 2005 EB_{314} 2 19.7 164°.66 0°.2/19.6 18

1 12	10 36.84	+ 9 1.8	2.151	2.916	14.1	21.6
1 22	10 32.40	+ 9 34.5	2.062	2.922	11.2	21.4
2 1	10 25.75	+10 19.9	1.995	2.927	7.6	21.2
2 11	10 17.42	+11 14.0	1.956	2.932	3.6	20.9
2 21	10 8.21	+12 11.5	1.947	2.935	0.7	20.7
3 2	9 59.07	+13 6.4	1.968	2.938	4.8	21.0
3 12	9 50.97	+13 53.5	2.018	2.941	8.6	21.3
3 22	9 44.64	+14 29.4	2.093	2.943	12.0	21.5

7454 Kevinrighter 2 19.7 188°.27 0°.2/19.5 18 R

1 12	10 32.36	+10 7.0	2.862	3.624	11.1	19.2
1 22	10 28.36	+10 31.1	2.764	3.623	8.7	19.0
2 1	10 22.74	+11 3.8	2.691	3.622	5.9	18.8
2 11	10 15.91	+11 42.2	2.646	3.621	2.8	18.6
2 21	10 8.44	+12 22.8	2.631	3.619	0.6	18.4
3 2	10 0.99	+13 1.6	2.647	3.617	3.8	18.7
3 12	9 54.25	+13 35.2	2.693	3.615	6.8	18.9
3 22	9 48.77	+14 1.0	2.766	3.612	9.5	19.0

293289 2007 DC_7 2 19.7 313°.91 6°.9/24.9 18

1 12	10 35.16	− 6 32.1	1.914	2.622	17.5	20.2
1 22	10 31.49	− 7 27.1	1.818	2.620	15.0	20.0
2 1	10 25.38	− 8 2.2	1.741	2.618	12.1	19.8
2 11	10 17.36	− 8 15.1	1.687	2.615	9.1	19.6
2 21	10 8.21	− 8 5.2	1.659	2.613	7.1	19.5
3 2	9 59.02	− 7 35.0	1.657	2.611	7.4	19.5
3 12	9 50.88	− 6 50.0	1.682	2.609	9.8	19.7
3 22	9 44.66	− 5 57.3	1.732	2.607	12.8	19.8

30230 2000 GP_{142} 2 19.7 192°.99 1°.1/18.6 18

1 12	10 34.73	+11 2.0	2.367	3.138	12.9	19.9
1 22	10 30.64	+11 52.9	2.271	3.136	10.1	19.7
2 1	10 24.52	+12 55.4	2.199	3.134	6.8	19.5
2 11	10 16.85	+14 4.9	2.154	3.131	3.2	19.3
2 21	10 8.31	+15 15.7	2.140	3.127	1.4	19.1
3 2	9 59.76	+16 21.8	2.157	3.122	4.9	19.4
3 12	9 52.09	+17 17.9	2.202	3.117	8.5	19.6
3 22	9 46.00	+18 0.9	2.274	3.111	11.6	19.8

415925 2001 UG_{210} 2 19.8 116°.08 1°.5/21.1 18

1 12	10 35.12	+ 4 26.7	1.993	2.751	15.4	21.9
1 22	10 31.16	+ 4 41.5	1.910	2.762	12.3	21.7
2 1	10 24.94	+ 5 12.3	1.849	2.773	8.7	21.5
2 11	10 17.05	+ 5 56.5	1.814	2.783	4.7	21.3
2 21	10 8.29	+ 6 49.3	1.807	2.794	1.5	21.1
3 2	9 59.65	+ 7 45.0	1.829	2.803	4.6	21.3
3 12	9 52.12	+ 8 37.7	1.879	2.813	8.5	21.6
3 22	9 46.44	+ 9 22.6	1.955	2.822	12.0	21.8

241357 2007 WU_{58} 2 19.8 331°.42 2°.3/17.7 17

1 12	10 32.57	+15 32.9	2.146	2.939	13.3	21.0
1 22	10 29.18	+16 11.8	2.057	2.935	10.4	20.8
2 1	10 23.63	+16 59.0	1.991	2.932	7.0	20.5
2 11	10 16.44	+17 49.3	1.953	2.928	3.5	20.3
2 21	10 8.37	+18 36.9	1.942	2.925	2.6	20.3
3 2	10 0.35	+19 16.2	1.961	2.922	5.8	20.5
3 12	9 53.33	+19 43.1	2.007	2.919	9.4	20.7
3 22	9 48.03	+19 55.8	2.078	2.916	12.5	20.9

42244 2001 FH_{65} 2 19.8 63°.93 1°.2/18.6 18

1 12	10 32.23	+11 10.3	2.016	2.802	14.3	19.1
1 22	10 28.98	+11 57.8	1.932	2.806	11.2	18.9
2 1	10 23.52	+12 58.1	1.871	2.810	7.5	18.6
2 11	10 16.39	+14 5.8	1.837	2.814	3.5	18.4
2 21	10 8.38	+15 14.7	1.831	2.818	1.6	18.3
3 2	10 0.45	+16 17.8	1.854	2.822	5.4	18.5
3 12	9 53.57	+17 9.6	1.905	2.826	9.3	18.8
3 22	9 48.47	+17 46.9	1.981	2.830	12.6	19.0

402629 2006 TH_{43} 2 19.8 80°.35 2°.1/18.1 18

1 12	10 38.11	+14 19.8	1.720	2.513	16.1	21.4
1 22	10 33.78	+14 56.8	1.654	2.532	12.5	21.3
2 1	10 26.83	+15 43.8	1.610	2.550	8.3	21.0
2 11	10 17.95	+16 34.5	1.592	2.569	4.0	20.8
2 21	10 8.19	+17 21.8	1.602	2.587	2.5	20.8
3 2	9 58.74	+17 59.4	1.641	2.605	6.3	21.0
3 12	9 50.74	+18 23.0	1.706	2.623	10.4	21.3
3 22	9 44.98	+18 31.2	1.795	2.641	13.9	21.6

21621 Sherman 2 19.8 191°.70 3°.5/23.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 12	10 35.93	− 2 8.2	2.299	3.014	14.7	19.3
1 22	10 31.63	− 2 2.9	2.195	3.013	12.2	19.1
2 1	10 25.23	− 1 39.4	2.112	3.010	9.2	18.9
2 11	10 17.22	− 0 58.3	2.055	3.007	6.0	18.7
2 21	10 8.28	− 0 2.3	2.026	3.003	3.6	18.6
3 2	9 59.30	+ 1 3.9	2.028	2.998	4.8	18.6
3 12	9 51.20	+ 2 14.1	2.059	2.992	7.9	18.8
3 22	9 44.71	+ 3 22.2	2.117	2.985	11.2	19.0

378788 2008 SF_{71} 2 19.8 175°.96 3°.2/23.4 17

1 12	10 32.39	− 2 55.1	2.658	3.367	13.1	22.1
1 22	10 28.53	− 2 39.9	2.557	3.369	10.8	22.0
2 1	10 22.94	− 2 8.0	2.477	3.371	8.2	21.8
2 11	10 16.05	− 1 20.3	2.423	3.373	5.4	21.6
2 21	10 8.46	− 0 19.5	2.398	3.373	3.3	21.5
3 2	10 0.87	+ 0 50.1	2.404	3.374	4.2	21.5
3 12	9 54.02	+ 2 2.9	2.440	3.373	6.8	21.7
3 22	9 48.50	+ 3 13.8	2.504	3.372	9.6	21.9

39765 1997 GE_2 2 19.8 204°.69 3°.3/23.2 18

1 12	10 31.57	− 2 15.7	2.294	3.019	14.5	20.3
1 22	10 28.23	− 2 0.9	2.192	3.016	12.0	20.1
2 1	10 22.92	− 1 27.0	2.112	3.013	9.0	19.9
2 11	10 16.11	− 0 35.2	2.057	3.010	5.8	19.7
2 21	10 8.45	+ 0 31.5	2.030	3.007	3.4	19.6
3 2	10 0.76	+ 1 48.0	2.032	3.004	4.5	19.6
3 12	9 53.92	+ 3 7.6	2.064	3.000	7.7	19.8
3 22	9 48.60	+ 4 24.2	2.122	2.996	10.9	20.0

83228 2001 RF_{35} 2 19.8 59°.07 2°.2/22.1 18

1 12	10 31.77	+ 0 54.2	2.075	2.821	15.2	19.2
1 22	10 28.34	+ 1 22.2	2.005	2.847	12.2	19.0
2 1	10 22.89	+ 2 8.5	1.957	2.873	8.8	18.8
2 11	10 16.02	+ 3 10.0	1.935	2.899	5.1	18.7
2 21	10 8.48	+ 4 21.9	1.941	2.925	2.3	18.5
3 2	10 1.15	+ 5 37.9	1.976	2.951	4.3	18.7
3 12	9 54.87	+ 6 51.3	2.041	2.977	7.7	19.0
3 22	9 50.26	+ 7 56.7	2.131	3.003	10.9	19.2

498705 2008 TX_{48} 2 19.8 212°.17 0°.9/20.6 17

1 12	10 34.86	+ 6 47.3	2.385	3.140	13.2	22.2
1 22	10 30.71	+ 6 56.8	2.283	3.135	10.6	22.0
2 1	10 24.56	+ 7 18.0	2.204	3.130	7.4	21.8
2 11	10 16.88	+ 7 48.8	2.152	3.124	3.8	21.6
2 21	10 8.35	+ 8 25.6	2.130	3.117	0.9	21.4
3 2	9 59.80	+ 9 4.0	2.137	3.111	4.1	21.6
3 12	9 52.11	+ 9 39.7	2.174	3.104	7.7	21.8
3 22	9 45.96	+10 9.0	2.237	3.096	11.0	22.0

225396 1999 UY_{50} 2 19.8 122°.02 1°.0/19.1 18

1 12	10 40.26	+10 37.2	1.564	2.350	17.7	21.6
1 22	10 35.81	+11 11.8	1.491	2.364	13.9	21.3
2 1	10 28.42	+12 1.4	1.440	2.377	9.4	21.1
2 11	10 18.81	+13 0.2	1.413	2.390	4.4	20.8
2 21	10 8.08	+14 0.5	1.415	2.403	1.4	20.6
3 2	9 57.60	+14 54.2	1.444	2.414	6.3	21.0
3 12	9 48.71	+15 35.2	1.501	2.425	10.9	21.3
3 22	9 42.30	+16 0.4	1.580	2.436	14.9	21.6

396872 2004 TT_{67} 2 19.8 178°.65 0°.7/19.1 18

1 12	10 37.65	+ 9 30.9	2.121	2.888	14.3	22.4
1 22	10 33.14	+10 18.7	2.029	2.891	11.3	22.2
2 1	10 26.33	+11 20.2	1.959	2.892	7.6	22.0
2 11	10 17.76	+12 30.8	1.917	2.893	3.6	21.8
2 21	10 8.22	+13 44.2	1.905	2.893	1.1	21.6
3 2	9 58.70	+14 53.4	1.924	2.892	5.1	21.9
3 12	9 50.22	+15 52.5	1.972	2.890	9.1	22.1
3 22	9 43.56	+16 38.0	2.045	2.888	12.6	22.3

420074 2011 EC_{31} 2 19.8 18°.11 7°.6/13.6 18

1 12	10 30.57	+23 28.1	1.321	2.159	17.5	20.0
1 22	10 28.94	+25 14.0	1.267	2.168	13.8	19.8
2 1	10 24.11	+27 5.1	1.235	2.177	10.1	19.6
2 11	10 16.84	+28 48.4	1.226	2.188	7.7	19.5
2 21	10 8.36	+30 11.0	1.242	2.200	8.5	19.6
3 2	10 0.20	+31 3.8	1.282	2.213	11.6	19.8
3 12	9 53.80	+31 23.7	1.345	2.227	15.2	20.0
3 22	9 50.08	+31 12.9	1.426	2.242	18.4	20.3

401076 2011 UK_{94} 2 19.8 200°.98 0°.3/19.5 18

1 12	10 38.55	+ 9 32.9	2.048	2.815	14.7	22.2
1 22	10 33.99	+10 1.1	1.949	2.811	11.7	22.0
2 1	10 27.00	+10 42.5	1.873	2.806	8.0	21.8
2 11	10 18.12	+11 33.0	1.825	2.800	3.8	21.5
2 21	10 8.17	+12 27.1	1.805	2.793	0.8	21.2
3 2	9 58.18	+13 18.8	1.815	2.786	5.1	21.5
3 12	9 49.25	+14 2.4	1.855	2.777	9.3	21.8
3 22	9 42.24	+14 34.4	1.919	2.768	13.0	22.0

301686 2010 FQ_{84} 2 19.8 316°.54 1°.1/19.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 12	10 32.96	+10 9.2	1.331	2.141	19.0	20.5
1 22	10 30.89	+10 44.5	1.244	2.130	15.1	20.3
2 1	10 25.61	+11 39.5	1.177	2.120	10.3	19.9
2 11	10 17.70	+12 48.9	1.132	2.110	4.9	19.6
2 21	10 8.21	+14 3.6	1.113	2.101	1.6	19.4
3 2	9 58.66	+15 13.4	1.120	2.092	7.2	19.7
3 12	9 50.62	+16 8.9	1.151	2.084	12.7	19.9
3 22	9 45.27	+16 44.9	1.203	2.076	17.5	20.2

462084 2007 GJ_{1} 2 19.8 258°.74 1°.8/18.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 33.90	+13 5.5	1.939	2.729	14.6	21.7
1 22	10 30.46	+13 48.0	1.850	2.727	11.4	21.5
2 1	10 24.64	+14 42.0	1.784	2.724	7.7	21.3
2 11	10 16.99	+15 42.1	1.745	2.722	3.7	21.0
2 21	10 8.34	+16 41.8	1.734	2.719	2.2	20.9
3 2	9 59.72	+17 34.3	1.751	2.716	5.9	21.2
3 12	9 52.21	+18 14.3	1.796	2.714	9.9	21.4
3 22	9 46.61	+18 39.0	1.865	2.711	13.4	21.6

22779 1999 FU_{24} 2 19.8 281°.32 0°.5/20.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 31.54	+ 7 24.4	2.309	3.076	13.3	18.8
1 22	10 28.26	+ 7 45.9	2.204	3.064	10.6	18.6
2 1	10 22.98	+ 8 20.3	2.121	3.051	7.3	18.4
2 11	10 16.16	+ 9 4.8	2.065	3.039	3.7	18.1
2 21	10 8.46	+ 9 55.2	2.037	3.026	0.6	17.9
3 2	10 0.69	+10 46.5	2.040	3.013	4.3	18.1
3 12	9 53.74	+11 33.5	2.071	3.001	8.0	18.3
3 22	9 48.31	+12 12.2	2.127	2.988	11.4	18.5

37087 2000 UN_{67} 2 19.8 181°.37 0°.0/19.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 32.92	+ 9 39.9	2.938	3.696	10.9	20.0
1 22	10 28.75	+ 9 56.1	2.840	3.696	8.6	19.8
2 1	10 22.99	+10 20.4	2.767	3.697	5.8	19.6
2 11	10 16.05	+10 50.4	2.722	3.696	2.8	19.4
2 21	10 8.49	+11 22.8	2.707	3.696	0.4	19.2
3 2	10 0.96	+11 54.3	2.724	3.695	3.6	19.5
3 12	9 54.14	+12 21.5	2.771	3.694	6.6	19.6
3 22	9 48.55	+12 42.1	2.844	3.693	9.2	19.8

217792 2000 SO_{352} 2 19.8 71°.72 2°.8/17.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 34.22	+13 48.0	1.818	2.614	15.2	19.7
1 22	10 30.65	+15 9.5	1.757	2.637	11.7	19.5
2 1	10 24.66	+16 42.6	1.718	2.660	7.8	19.4
2 11	10 16.93	+18 19.4	1.707	2.683	3.9	19.2
2 21	10 8.36	+19 50.8	1.725	2.706	3.3	19.2
3 2	10 0.05	+21 9.0	1.771	2.728	6.7	19.4
3 12	9 53.03	+22 8.3	1.844	2.750	10.4	19.7
3 22	9 48.02	+22 47.1	1.941	2.773	13.6	19.9

107427 2001 DM_{13} 2 19.8 10°.99 4°.8/16.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 35.32	+18 51.1	1.506	2.322	16.9	19.5
1 22	10 32.31	+19 57.6	1.432	2.322	13.2	19.3
2 1	10 26.28	+21 13.7	1.380	2.323	9.1	19.0
2 11	10 17.88	+22 30.2	1.352	2.324	5.5	18.8
2 21	10 8.22	+23 36.8	1.351	2.326	5.4	18.8
3 2	9 58.71	+24 24.7	1.376	2.327	8.9	19.0
3 12	9 50.76	+24 49.3	1.426	2.329	13.1	19.3
3 22	9 45.34	+24 50.0	1.497	2.331	16.8	19.5

165919 2001 TL_{125} 2 19.8 132°.60 4°.9/25.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 32.34	− 9 19.2	3.042	3.702	12.5	20.6
1 22	10 28.21	− 9 33.5	2.948	3.716	10.7	20.5
2 1	10 22.57	− 9 31.7	2.876	3.730	8.6	20.3
2 11	10 15.83	− 9 13.3	2.829	3.743	6.5	20.2
2 21	10 8.53	− 8 39.6	2.810	3.756	5.1	20.1
3 2	10 1.29	− 7 53.1	2.821	3.769	5.1	20.2
3 12	9 54.73	− 6 58.0	2.860	3.780	6.5	20.3
3 22	9 49.36	− 5 58.7	2.928	3.792	8.5	20.4

100450 1996 RN_{11} 2 19.8 52°.25 0°.2/19.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 32.19	+ 6 42.2	1.727	2.509	16.5	19.7
1 22	10 29.28	+ 7 23.6	1.648	2.517	13.0	19.5
2 1	10 23.90	+ 8 23.1	1.590	2.524	8.9	19.2
2 11	10 16.65	+ 9 36.3	1.557	2.532	4.3	19.0
2 21	10 8.41	+10 56.0	1.551	2.540	0.6	18.7
3 2	10 0.28	+12 14.0	1.574	2.548	5.3	19.1
3 12	9 53.38	+13 22.8	1.624	2.556	9.7	19.3
3 22	9 48.49	+14 17.3	1.698	2.565	13.5	19.6

392757 2012 TH_{22} 2 19.8 132°.86 1°.2/20.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 38.71	+ 6 1.0	1.481	2.260	18.9	21.9
1 22	10 34.83	+ 6 15.0	1.403	2.268	15.1	21.7
2 1	10 27.92	+ 6 48.5	1.344	2.275	10.5	21.4
2 11	10 18.65	+ 7 38.0	1.309	2.282	5.4	21.1
2 21	10 8.12	+ 8 37.0	1.301	2.289	1.2	20.8
3 2	9 57.74	+ 9 37.5	1.320	2.295	5.9	21.2
3 12	9 48.91	+10 31.4	1.365	2.301	10.9	21.5
3 22	9 42.62	+11 13.4	1.434	2.306	15.2	21.7

31220 1998 BA_{26} 2 19.8 317°.56 3°.9/17.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 12	10 40.13	+20 27.3	1.604	2.410	16.5	18.1
1 22	10 36.15	+20 35.9	1.506	2.390	13.1	17.8
2 1	10 29.00	+20 48.3	1.430	2.371	9.1	17.6
2 11	10 19.26	+20 57.9	1.379	2.352	5.2	17.3
2 21	10 8.02	+20 57.9	1.354	2.334	4.3	17.2
3 2	9 56.74	+20 42.8	1.356	2.316	8.0	17.3
3 12	9 46.93	+20 10.2	1.384	2.299	12.5	17.6
3 22	9 39.74	+19 21.1	1.435	2.282	16.6	17.8

358121 2006 PD_{26} 2 19.8 194°.53 1°.1/18.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 37.18	+11 42.4	2.125	2.899	14.0	21.7
1 22	10 32.81	+12 19.7	2.030	2.897	11.0	21.5
2 1	10 26.14	+13 8.4	1.959	2.895	7.4	21.3
2 11	10 17.69	+14 4.0	1.915	2.891	3.5	21.1
2 21	10 8.26	+15 0.5	1.900	2.887	1.5	20.9
3 2	9 58.84	+15 51.8	1.916	2.882	5.3	21.1
3 12	9 50.45	+16 33.0	1.959	2.877	9.2	21.4
3 22	9 43.88	+17 1.1	2.028	2.871	12.7	21.6

500383 2012 TR_{69} 2 19.8 142°.28 3°.5/15.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 35.57	+23 2.3	2.932	3.716	10.3	22.1
1 22	10 30.83	+23 48.0	2.856	3.727	8.1	22.0
2 1	10 24.38	+24 35.0	2.805	3.737	5.7	21.9
2 11	10 16.70	+25 18.4	2.783	3.746	3.8	21.7
2 21	10 8.42	+25 53.7	2.792	3.756	3.9	21.8
3 2	10 0.28	+26 17.4	2.831	3.764	5.8	21.9
3 12	9 52.99	+26 27.7	2.898	3.773	8.2	22.1
3 22	9 47.09	+26 24.3	2.990	3.781	10.3	22.2

170531 2003 WF_{96} 2 19.8 287°.36 4°.4/22.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 33.78	− 0 52.9	1.655	2.407	18.3	20.1
1 22	10 30.85	− 1 9.9	1.558	2.399	15.2	19.9
2 1	10 25.22	− 1 5.4	1.481	2.391	11.5	19.7
2 11	10 17.41	− 0 38.9	1.426	2.383	7.5	19.4
2 21	10 8.32	+ 0 7.2	1.396	2.375	4.5	19.2
3 2	9 59.12	+ 1 7.3	1.394	2.367	6.0	19.3
3 12	9 51.10	+ 2 13.5	1.418	2.359	10.1	19.5
3 22	9 45.24	+ 3 17.9	1.466	2.351	14.2	19.7

500511 2012 TQ_{288} 2 19.8 85°.52 2°.5/22.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 34.06	+ 2 32.1	2.394	3.133	13.6	21.8
1 22	10 29.96	+ 2 18.6	2.305	3.142	11.0	21.6
2 1	10 23.96	+ 2 18.2	2.238	3.150	8.0	21.4
2 11	10 16.57	+ 2 29.8	2.198	3.159	4.8	21.2
2 21	10 8.46	+ 2 51.0	2.186	3.168	2.6	21.1
3 2	10 0.45	+ 3 18.4	2.205	3.177	4.2	21.2
3 12	9 53.32	+ 3 47.9	2.252	3.186	7.3	21.4
3 22	9 47.71	+ 4 15.5	2.325	3.194	10.3	21.6

357402 2003 UD_{249} 2 19.8 169°.14 0°.8/19.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 38.28	+11 24.0	1.801	2.583	15.9	21.3
1 22	10 34.03	+11 44.1	1.715	2.585	12.5	21.1
2 1	10 27.14	+12 16.3	1.650	2.587	8.5	20.8
2 11	10 18.23	+12 56.0	1.612	2.588	4.0	20.6
2 21	10 8.22	+13 37.4	1.602	2.589	1.2	20.4
3 2	9 58.32	+14 14.3	1.620	2.590	5.7	20.7
3 12	9 49.69	+14 41.7	1.666	2.591	10.0	20.9
3 22	9 43.22	+14 56.7	1.736	2.591	13.9	21.2

134598 1999 TQ_{147} 2 19.8 148°.70 1°.6/18.2 18 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 34.49	+13 24.0	2.251	3.032	13.1	20.4
1 22	10 30.51	+14 7.3	2.166	3.037	10.2	20.2
2 1	10 24.45	+15 0.0	2.105	3.043	6.8	20.0
2 11	10 16.85	+15 57.3	2.071	3.047	3.3	19.8
2 21	10 8.43	+16 53.3	2.067	3.052	2.0	19.7
3 2	10 0.10	+17 42.5	2.093	3.056	5.3	20.0
3 12	9 52.76	+18 20.7	2.147	3.060	8.8	20.2
3 22	9 47.08	+18 45.4	2.226	3.064	11.9	20.4

213954 2003 XD_{25} 2 19.8 62°.24 4°.1/16.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 38.57	+18 55.9	1.554	2.362	16.8	20.8
1 22	10 34.66	+19 40.9	1.483	2.369	13.1	20.6
2 1	10 27.74	+20 33.2	1.435	2.376	9.0	20.4
2 11	10 18.53	+21 24.7	1.411	2.384	5.1	20.2
2 21	10 8.20	+22 7.0	1.414	2.391	4.6	20.1
3 2	9 58.13	+22 32.9	1.444	2.399	8.2	20.4
3 12	9 49.68	+22 39.2	1.499	2.407	12.2	20.6
3 22	9 43.78	+22 25.9	1.576	2.414	15.9	20.9

202449 2005 YP_{116} 2 19.8 66°.81 2°.5/18.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 36.99	+13 40.0	1.400	2.208	18.3	21.0
1 22	10 33.68	+14 26.0	1.330	2.216	14.3	20.8
2 1	10 27.22	+15 26.2	1.280	2.224	9.6	20.5
2 11	10 18.34	+16 33.0	1.254	2.232	4.7	20.2
2 21	10 8.22	+17 37.0	1.255	2.240	3.0	20.2
3 2	9 58.34	+18 29.2	1.283	2.248	7.5	20.4
3 12	9 50.14	+19 3.4	1.335	2.257	12.3	20.7
3 22	9 44.60	+19 17.6	1.409	2.265	16.4	21.0

370782 2004 SC_{43} 2 19.8 192°.13 2°.1/21.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 12	10 36.85	+ 4 27.6	2.216	2.963	14.3	21.2
1 22	10 32.40	+ 4 15.6	2.118	2.962	11.6	21.0
2 1	10 25.79	+ 4 16.5	2.043	2.961	8.3	20.8
2 11	10 17.52	+ 4 28.8	1.993	2.959	4.7	20.6
2 21	10 8.35	+ 4 50.0	1.972	2.957	2.1	20.4
3 2	9 59.19	+ 5 16.2	1.982	2.955	4.4	20.5
3 12	9 50.99	+ 5 43.1	2.020	2.952	8.0	20.7
3 22	9 44.50	+ 6 6.8	2.084	2.950	11.4	20.9

488661 2003 SA_{328} 2 19.8 190°.50 0°.9/18.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 38.10	+11 18.0	2.089	2.861	14.3	23.4
1 22	10 33.57	+11 50.8	1.995	2.860	11.3	23.2
2 1	10 26.69	+12 35.2	1.924	2.858	7.6	22.9
2 11	10 17.99	+13 26.7	1.880	2.856	3.6	22.7
2 21	10 8.28	+14 19.6	1.865	2.853	1.3	22.5
3 2	9 58.60	+15 7.9	1.881	2.849	5.3	22.8
3 12	9 49.98	+15 46.6	1.925	2.844	9.2	23.0
3 22	9 43.23	+16 12.7	1.994	2.839	12.8	23.2

168977 2001 BE_{75} 2 19.8 344°.37 0°.4/20.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 32.86	+ 8 7.3	1.387	2.189	18.8	20.3
1 22	10 30.57	+ 8 19.5	1.304	2.183	15.0	20.0
2 1	10 25.25	+ 8 50.4	1.239	2.178	10.4	19.7
2 11	10 17.49	+ 9 36.1	1.198	2.174	5.1	19.4
2 21	10 8.34	+10 30.1	1.181	2.170	0.7	19.1
3 2	9 59.22	+11 24.1	1.191	2.167	6.2	19.4
3 12	9 51.57	+12 10.1	1.226	2.165	11.5	19.7
3 22	9 46.45	+12 42.5	1.282	2.163	16.1	20.0

416883 2005 QZ_{62} 2 19.8 113°.84 1°.2/18.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 37.82	+12 55.8	1.958	2.739	14.8	21.6
1 22	10 33.35	+13 19.5	1.879	2.750	11.6	21.4
2 1	10 26.48	+13 52.9	1.823	2.760	7.8	21.2
2 11	10 17.84	+14 31.3	1.794	2.771	3.7	20.9
2 21	10 8.32	+15 9.1	1.794	2.781	1.6	20.8
3 2	9 58.98	+15 40.9	1.823	2.790	5.5	21.1
3 12	9 50.88	+16 2.6	1.879	2.800	9.4	21.3
3 22	9 44.75	+16 12.1	1.961	2.809	12.8	21.6

425085 2009 SS_{15} 2 19.8 99°.92 3°.9/23.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 33.33	− 2 4.9	1.979	2.712	16.3	21.6
1 22	10 29.85	− 2 6.6	1.892	2.720	13.5	21.4
2 1	10 24.15	− 1 48.1	1.825	2.728	10.1	21.2
2 11	10 16.75	− 1 10.3	1.783	2.736	6.6	21.0
2 21	10 8.47	− 0 16.1	1.768	2.744	4.0	20.9
3 2	10 0.26	+ 0 49.0	1.781	2.752	5.1	21.0
3 12	9 53.11	+ 1 58.1	1.823	2.760	8.4	21.2
3 22	9 47.75	+ 3 4.5	1.890	2.768	11.8	21.4

415883 2001 SU_{353} 2 19.8 169°.66 0°.6/20.4 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 36.36	+ 7 18.1	2.211	2.969	14.0	22.1
1 22	10 32.00	+ 7 33.6	2.118	2.973	11.1	21.9
2 1	10 25.50	+ 8 1.7	2.048	2.976	7.7	21.7
2 11	10 17.38	+ 8 39.5	2.006	2.978	3.9	21.4
2 21	10 8.39	+ 9 22.8	1.992	2.980	0.7	21.2
3 2	9 59.46	+10 6.5	2.009	2.982	4.4	21.5
3 12	9 51.51	+10 45.9	2.054	2.983	8.2	21.7
3 22	9 45.27	+11 17.3	2.125	2.983	11.6	21.9

155247 2005 WK_{46} 2 19.8 328°.25 0°.3/19.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 34.15	+ 8 28.9	1.856	2.635	15.6	20.4
1 22	10 30.74	+ 8 45.1	1.766	2.633	12.4	20.2
2 1	10 24.90	+ 9 15.4	1.698	2.632	8.5	19.9
2 11	10 17.17	+ 9 56.4	1.655	2.630	4.2	19.7
2 21	10 8.42	+10 42.9	1.640	2.629	0.5	19.4
3 2	9 59.70	+11 28.7	1.653	2.627	5.1	19.7
3 12	9 52.12	+12 8.3	1.694	2.626	9.4	20.0
3 22	9 46.50	+12 37.4	1.759	2.624	13.2	20.2

334642 2002 VG_{143} 2 19.8 43°.52 0°.8/19.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 32.07	+10 16.2	1.873	2.662	15.1	21.0
1 22	10 28.91	+10 55.2	1.804	2.678	11.8	20.8
2 1	10 23.49	+11 47.2	1.756	2.695	7.9	20.6
2 11	10 16.41	+12 47.0	1.735	2.712	3.7	20.4
2 21	10 8.54	+13 48.4	1.742	2.730	1.2	20.3
3 2	10 0.88	+14 44.7	1.777	2.747	5.2	20.6
3 12	9 54.39	+15 30.4	1.840	2.766	9.2	20.8
3 22	9 49.77	+16 2.6	1.926	2.784	12.6	21.1

492642 2014 OV_{343} 2 19.8 257°.75 1°.9/18.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 38.09	+12 51.6	1.713	2.503	16.3	22.2
1 22	10 34.39	+13 31.0	1.608	2.484	12.9	22.0
2 1	10 27.78	+14 24.7	1.525	2.464	8.8	21.7
2 11	10 18.74	+15 27.2	1.467	2.443	4.2	21.4
2 21	10 8.19	+16 30.9	1.436	2.422	2.4	21.2
3 2	9 57.39	+17 27.6	1.434	2.400	6.9	21.4
3 12	9 47.77	+18 10.1	1.459	2.378	11.7	21.6
3 22	9 40.44	+18 35.0	1.507	2.355	16.0	21.8

357404 2003 UN_{341} 2 19.8 132°.67 7°.8/27.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 12	10 33.86	−14 27.8	1.932	2.594	18.7	21.2
1 22	10 30.43	−14 33.4	1.843	2.604	16.4	21.0
2 1	10 24.64	−14 9.8	1.770	2.614	13.6	20.8
2 11	10 17.03	−13 14.5	1.719	2.623	10.7	20.6
2 21	10 8.46	−11 49.1	1.692	2.632	8.4	20.5
3 2	9 59.94	− 9 58.8	1.693	2.640	7.9	20.5
3 12	9 52.54	− 7 53.2	1.722	2.648	9.7	20.6
3 22	9 47.04	− 5 43.1	1.776	2.655	12.4	20.8

21159 1993 ST_{5} 2 19.8 231°.59 0°.8/20.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 38.04	+ 6 34.8	1.612	2.387	17.7	18.9
1 22	10 34.37	+ 6 53.7	1.513	2.377	14.3	18.6
2 1	10 27.75	+ 7 31.4	1.435	2.367	10.0	18.3
2 11	10 18.71	+ 8 24.8	1.382	2.356	5.1	18.0
2 21	10 8.20	+ 9 28.0	1.356	2.344	0.9	17.7
3 2	9 57.56	+10 33.0	1.357	2.332	5.8	18.0
3 12	9 48.18	+11 31.7	1.386	2.319	10.9	18.2
3 22	9 41.18	+12 18.2	1.438	2.305	15.5	18.5

82975 2001 QQ_{139} 2 19.8 189°.34 0°.4/20.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 34.47	+ 8 51.6	2.705	3.461	11.8	19.7
1 22	10 30.13	+ 8 58.5	2.606	3.460	9.3	19.5
2 1	10 24.03	+ 9 14.3	2.531	3.459	6.4	19.3
2 11	10 16.63	+ 9 36.7	2.484	3.458	3.2	19.1
2 21	10 8.53	+10 2.6	2.468	3.456	0.5	18.9
3 2	10 0.46	+10 28.3	2.482	3.454	3.7	19.1
3 12	9 53.16	+10 50.7	2.525	3.452	7.0	19.3
3 22	9 47.23	+11 7.2	2.596	3.449	9.9	19.5

48863 1998 HY_{37} 2 19.8 224°.75 1°.7/20.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 38.72	+ 5 9.8	1.708	2.472	17.3	19.8
1 22	10 34.71	+ 5 15.2	1.608	2.463	14.0	19.6
2 1	10 27.87	+ 5 38.4	1.528	2.454	10.0	19.3
2 11	10 18.73	+ 6 17.3	1.473	2.444	5.4	19.0
2 21	10 8.21	+ 7 7.2	1.445	2.433	1.7	18.7
3 2	9 57.56	+ 8 1.6	1.447	2.421	5.5	19.0
3 12	9 48.12	+ 8 53.3	1.475	2.409	10.3	19.2
3 22	9 40.94	+ 9 36.5	1.527	2.396	14.6	19.4

232615 2003 UJ_{126} 2 19.8 111°.92 0°.5/20.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 35.83	+ 8 17.1	2.305	3.065	13.5	20.8
1 22	10 31.40	+ 8 24.8	2.221	3.077	10.6	20.6
2 1	10 24.97	+ 8 43.2	2.161	3.089	7.3	20.5
2 11	10 17.09	+ 9 9.6	2.128	3.101	3.6	20.2
2 21	10 8.48	+ 9 40.2	2.124	3.112	0.6	20.0
3 2	10 0.00	+10 10.7	2.150	3.123	4.2	20.3
3 12	9 52.51	+10 37.2	2.205	3.134	7.7	20.5
3 22	9 46.65	+10 56.8	2.287	3.144	10.8	20.8

212768 2007 TO_{70} 2 19.8 90°.08 0°.3/19.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 32.49	+ 9 5.6	2.343	3.113	13.0	20.5
1 22	10 28.79	+ 9 43.3	2.265	3.128	10.2	20.3
2 1	10 23.20	+10 32.4	2.210	3.143	6.9	20.1
2 11	10 16.24	+11 29.0	2.182	3.157	3.2	19.9
2 21	10 8.60	+12 28.0	2.184	3.172	0.6	19.7
3 2	10 1.09	+13 24.2	2.216	3.186	4.3	20.0
3 12	9 54.51	+14 12.8	2.276	3.201	7.8	20.3
3 22	9 49.45	+14 50.9	2.363	3.215	10.8	20.5

193946 2001 RH_{43} 2 19.8 145°.93 2°.4/21.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 40.50	+ 3 9.2	1.943	2.686	16.2	22.0
1 22	10 35.46	+ 3 7.6	1.858	2.698	13.1	21.8
2 1	10 27.96	+ 3 22.3	1.794	2.710	9.4	21.6
2 11	10 18.60	+ 3 51.5	1.755	2.721	5.4	21.3
2 21	10 8.27	+ 4 31.4	1.746	2.731	2.4	21.2
3 2	9 58.08	+ 5 16.9	1.766	2.739	4.9	21.3
3 12	9 49.10	+ 6 2.1	1.815	2.748	8.8	21.6
3 22	9 42.14	+ 6 41.9	1.890	2.755	12.4	21.8

262200 2006 SA_{173} 2 19.8 108°.82 0°.2/19.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 38.79	+ 8 8.0	2.077	2.838	14.7	23.3
1 22	10 33.83	+ 8 31.8	2.005	2.862	11.6	23.1
2 1	10 26.65	+ 9 8.3	1.956	2.885	7.9	22.9
2 11	10 17.89	+ 9 53.5	1.933	2.907	3.8	22.7
2 21	10 8.38	+10 42.3	1.940	2.929	0.5	22.5
3 2	9 59.12	+11 29.2	1.978	2.950	4.6	22.8
3 12	9 51.05	+12 9.3	2.044	2.970	8.4	23.1
3 22	9 44.84	+12 39.7	2.136	2.990	11.7	23.3

200809 2001 XL_{173} 2 19.8 35°.27 1°.1/20.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 34.68	+ 6 47.6	1.210	2.015	20.9	20.1
1 22	10 32.16	+ 6 53.2	1.146	2.026	16.6	19.8
2 1	10 26.34	+ 7 20.0	1.100	2.038	11.5	19.6
2 11	10 17.99	+ 8 3.9	1.076	2.051	5.8	19.3
2 21	10 8.37	+ 8 57.6	1.077	2.065	1.2	19.0
3 2	9 59.07	+ 9 52.1	1.103	2.080	6.3	19.4
3 12	9 51.58	+10 38.8	1.153	2.095	11.7	19.7
3 22	9 46.90	+11 12.2	1.224	2.110	16.3	20.0

97999 2000 QN_{190} 2 19.8 186°.86 3°.6/16.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 12	10 38.41	+17 16.5	1.879	2.673	14.9	19.7
1 22	10 34.17	+18 20.5	1.794	2.673	11.6	19.5
2 1	10 27.30	+19 34.1	1.733	2.672	7.9	19.3
2 11	10 18.37	+20 49.7	1.698	2.671	4.5	19.1
2 21	10 8.32	+21 58.9	1.692	2.669	4.1	19.0
3 2	9 58.32	+22 54.2	1.715	2.667	7.4	19.2
3 12	9 49.56	+23 30.8	1.765	2.663	11.2	19.5
3 22	9 42.94	+23 47.2	1.837	2.660	14.6	19.7

370062 2001 AR_{49} 2 19.8 239°.30 4°.2/23.1 17

1 12	10 35.28	− 0 55.1	2.129	2.858	15.4	21.0
1 22	10 31.33	− 1 24.3	2.029	2.854	12.8	20.8
2 1	10 25.18	− 1 37.6	1.950	2.851	9.7	20.6
2 11	10 17.31	− 1 34.7	1.896	2.847	6.5	20.4
2 21	10 8.48	− 1 16.9	1.870	2.844	4.2	20.2
3 2	9 59.61	− 0 47.4	1.872	2.840	5.3	20.3
3 12	9 51.69	− 0 11.2	1.902	2.836	8.4	20.4
3 22	9 45.48	+ 0 26.5	1.958	2.832	11.7	20.6

437606 2014 BF_{11} 2 19.8 236°.64 3°.5/14.9 18

1 12	10 31.87	+19 4.4	2.854	3.641	10.5	21.3
1 22	10 28.27	+20 38.2	2.754	3.629	8.2	21.2
2 1	10 22.92	+22 19.3	2.681	3.617	5.7	21.0
2 11	10 16.18	+24 1.5	2.638	3.604	3.7	20.8
2 21	10 8.63	+25 38.4	2.627	3.592	4.0	20.8
3 2	10 0.98	+27 3.8	2.647	3.579	6.3	21.0
3 12	9 53.98	+28 13.2	2.695	3.565	8.9	21.1
3 22	9 48.26	+29 4.6	2.769	3.551	11.3	21.3

92241 2000 AK_{148} 2 19.8 123°.35 2°.6/22.2 18

1 12	10 35.86	+ 1 42.6	2.383	3.115	13.8	20.0
1 22	10 31.36	+ 1 36.3	2.296	3.128	11.3	19.9
2 1	10 24.93	+ 1 44.0	2.232	3.142	8.2	19.7
2 11	10 17.09	+ 2 4.5	2.194	3.155	5.0	19.5
2 21	10 8.53	+ 2 35.2	2.186	3.167	2.6	19.4
3 2	10 0.08	+ 3 12.1	2.207	3.179	4.2	19.5
3 12	9 52.56	+ 3 50.8	2.258	3.191	7.3	19.7
3 22	9 46.60	+ 4 27.0	2.335	3.202	10.3	19.9

272909 2006 BG_{161} 2 19.8 108°.71 1°.3/21.1 18

1 12	10 33.13	+ 3 57.4	2.156	2.911	14.5	20.8
1 22	10 29.48	+ 4 27.0	2.072	2.922	11.6	20.6
2 1	10 23.79	+ 5 12.5	2.011	2.934	8.1	20.4
2 11	10 16.59	+ 6 11.1	1.976	2.946	4.3	20.2
2 21	10 8.60	+ 7 17.9	1.970	2.957	1.3	20.0
3 2	10 0.72	+ 8 26.7	1.993	2.968	4.2	20.2
3 12	9 53.82	+ 9 31.6	2.046	2.979	7.9	20.5
3 22	9 48.58	+10 27.7	2.124	2.989	11.3	20.7

435968 2009 DO_{69} 2 19.8 22°.88 0°.5/19.4 17

1 12	10 35.01	+11 58.5	2.044	2.826	14.2	20.9
1 22	10 31.11	+12 2.5	1.960	2.830	11.2	20.7
2 1	10 24.97	+12 15.5	1.899	2.835	7.6	20.5
2 11	10 17.17	+12 34.1	1.863	2.840	3.6	20.3
2 21	10 8.52	+12 54.1	1.856	2.845	0.8	20.1
3 2	10 0.00	+13 11.0	1.879	2.850	4.9	20.4
3 12	9 52.58	+13 21.4	1.929	2.856	8.7	20.6
3 22	9 46.99	+13 22.9	2.003	2.862	12.1	20.8

519849 2013 MW_{12} 2 19.8 234°.87 6°.7/25.5 17

1 12	10 35.29	− 8 46.3	2.189	2.873	16.2	22.3
1 22	10 31.43	− 9 24.4	2.078	2.861	14.0	22.1
2 1	10 25.34	− 9 42.7	1.987	2.850	11.5	21.9
2 11	10 17.45	− 9 38.8	1.919	2.838	8.8	21.7
2 21	10 8.47	− 9 12.4	1.876	2.825	6.9	21.5
3 2	9 59.32	− 8 25.9	1.862	2.812	7.1	21.5
3 12	9 51.03	− 7 24.6	1.875	2.799	9.2	21.6
3 22	9 44.41	− 6 15.7	1.914	2.785	12.0	21.8

91666 1999 TF_{111} 2 19.8 96°.95 4°.4/23.8 18

1 12	10 33.82	− 3 12.1	2.100	2.822	15.8	19.8
1 22	10 30.11	− 3 27.1	2.013	2.831	13.2	19.6
2 1	10 24.27	− 3 23.3	1.946	2.841	10.1	19.5
2 11	10 16.84	− 3 0.5	1.904	2.850	6.9	19.3
2 21	10 8.57	− 2 21.2	1.888	2.859	4.6	19.2
3 2	10 0.37	− 1 29.6	1.901	2.869	5.3	19.2
3 12	9 53.18	− 0 31.6	1.943	2.878	8.2	19.4
3 22	9 47.69	+ 0 26.5	2.010	2.886	11.3	19.6

380043 2013 RK_{37} 2 19.8 124°.37 9°.1/16.4 16

1 12	10 58.72	+30 9.2	1.213	2.016	20.9	21.0
1 22	10 51.63	+30 44.5	1.151	2.024	17.1	20.7
2 1	10 39.84	+31 13.8	1.107	2.033	12.9	20.5
2 11	10 24.47	+31 23.1	1.087	2.041	9.7	20.4
2 21	10 7.54	+31 1.2	1.091	2.048	9.6	20.4
3 2	9 51.54	+30 4.1	1.122	2.055	12.6	20.6
3 12	9 38.61	+28 36.3	1.176	2.062	16.6	20.8
3 22	9 29.87	+26 47.5	1.251	2.068	20.4	21.1

200672 2001 TG_{128} 2 19.8 144°.52 2°.4/17.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 12	10 39.04	+13 44.5	1.788	2.575	15.8	21.7
1 22	10 34.63	+14 40.8	1.710	2.585	12.3	21.5
2 1	10 27.57	+15 49.1	1.656	2.595	8.3	21.2
2 11	10 18.48	+17 2.6	1.628	2.604	4.1	21.0
2 21	10 8.35	+18 13.1	1.628	2.612	2.8	20.9
3 2	9 58.37	+19 13.0	1.658	2.619	6.6	21.2
3 12	9 49.74	+19 56.7	1.715	2.626	10.7	21.4
3 22	9 43.32	+20 22.1	1.795	2.633	14.3	21.7

205277 2000 SC_{104} 2 19.8 79°.77 0°.1/19.7 18

1 12	10 40.01	+ 9 10.6	1.541	2.325	18.1	20.7
1 22	10 35.50	+ 9 32.6	1.480	2.350	14.2	20.5
2 1	10 28.13	+10 9.9	1.439	2.374	9.6	20.3
2 11	10 18.70	+10 57.3	1.422	2.398	4.6	20.1
2 21	10 8.33	+11 48.0	1.434	2.422	0.7	19.8
3 2	9 58.37	+12 34.6	1.473	2.446	5.7	20.2
3 12	9 50.05	+13 11.4	1.539	2.469	10.3	20.6
3 22	9 44.16	+13 35.1	1.629	2.492	14.2	20.8

326710 2003 BV_{92} 2 19.8 23°.75 3°.1/16.9 18

1 12	10 30.20	+12 11.8	1.520	2.331	17.0	20.0
1 22	10 28.20	+13 47.3	1.447	2.336	13.2	19.8
2 1	10 23.47	+15 41.3	1.396	2.342	8.8	19.6
2 11	10 16.62	+17 44.4	1.371	2.348	4.4	19.3
2 21	10 8.61	+19 44.7	1.373	2.355	3.7	19.3
3 2	10 0.71	+21 30.6	1.402	2.362	7.8	19.6
3 12	9 54.17	+22 53.5	1.457	2.369	12.2	19.8
3 22	9 49.89	+23 49.9	1.534	2.378	16.0	20.1

423683 2005 YS_{240} 2 19.8 347°.75 1°.1/18.9 17

1 12	10 34.88	+12 16.1	1.889	2.677	15.0	21.8
1 22	10 31.30	+12 39.8	1.801	2.676	11.8	21.5
2 1	10 25.29	+13 14.6	1.736	2.675	8.0	21.3
2 11	10 17.41	+13 55.9	1.697	2.674	3.8	21.0
2 21	10 8.53	+14 38.1	1.686	2.673	1.5	20.9
3 2	9 59.71	+15 15.2	1.704	2.673	5.6	21.1
3 12	9 52.06	+15 42.3	1.748	2.672	9.7	21.4
3 22	9 46.37	+15 56.8	1.817	2.672	13.3	21.6

212666 2006 UY_{246} 2 19.8 324°.25 0°.3/19.5 17

1 12	10 32.21	+10 19.6	2.265	3.041	13.2	20.7
1 22	10 28.80	+10 38.7	2.170	3.037	10.4	20.5
2 1	10 23.39	+11 8.3	2.097	3.032	7.1	20.2
2 11	10 16.44	+11 45.0	2.052	3.028	3.4	20.0
2 21	10 8.66	+12 24.6	2.035	3.023	0.7	19.8
3 2	10 0.90	+13 2.2	2.048	3.019	4.5	20.1
3 12	9 54.04	+13 33.5	2.089	3.015	8.2	20.3
3 22	9 48.75	+13 55.4	2.155	3.012	11.5	20.5

248894 2006 UJ_{266} 2 19.8 208°.50 4°.7/14.2 17

1 12	10 35.53	+26 41.7	2.805	3.595	10.6	21.3
1 22	10 31.10	+27 37.1	2.720	3.591	8.4	21.1
2 1	10 24.78	+28 32.4	2.660	3.586	6.3	21.0
2 11	10 17.05	+29 22.0	2.629	3.581	4.8	20.9
2 21	10 8.59	+30 0.8	2.627	3.576	5.2	20.9
3 2	10 0.18	+30 24.6	2.654	3.570	7.0	21.0
3 12	9 52.63	+30 31.7	2.708	3.564	9.3	21.1
3 22	9 46.57	+30 22.3	2.786	3.558	11.5	21.3

44613 Rudolf 2 19.8 211°.21 4°.7/23.6 18

1 12	10 34.20	− 2 44.2	1.736	2.475	18.0	19.6
1 22	10 31.01	− 2 56.7	1.643	2.474	15.1	19.4
2 1	10 25.25	− 2 46.7	1.570	2.472	11.5	19.2
2 11	10 17.46	− 2 13.7	1.519	2.471	7.7	18.9
2 21	10 8.52	− 1 20.3	1.495	2.470	4.9	18.8
3 2	9 59.54	− 0 12.1	1.498	2.468	6.0	18.8
3 12	9 51.73	+ 1 2.7	1.528	2.467	9.6	19.0
3 22	9 45.98	+ 2 16.0	1.582	2.465	13.4	19.2

416633 2004 RA_{332} 2 19.8 112°.19 4°.4/15.4 18

1 12	10 37.10	+21 55.1	2.197	2.992	13.0	21.5
1 22	10 32.63	+23 2.9	2.131	3.008	10.1	21.3
2 1	10 25.93	+24 14.1	2.089	3.024	7.1	21.1
2 11	10 17.62	+25 21.5	2.074	3.039	4.8	21.0
2 21	10 8.52	+26 18.1	2.089	3.054	4.9	21.0
3 2	9 59.62	+26 58.6	2.133	3.068	7.4	21.2
3 12	9 51.89	+27 20.4	2.204	3.082	10.2	21.4
3 22	9 46.01	+27 23.6	2.298	3.096	12.8	21.6

416983 2005 TH_{88} 2 19.8 157°.82 0°.3/19.5 18

1 12	10 35.14	+ 9 6.9	2.200	2.968	13.8	22.2
1 22	10 31.09	+ 9 44.5	2.111	2.974	10.9	22.0
2 1	10 24.93	+10 34.8	2.046	2.979	7.4	21.8
2 11	10 17.17	+11 33.6	2.008	2.984	3.5	21.5
2 21	10 8.57	+12 35.6	2.000	2.988	0.7	21.3
3 2	10 0.04	+13 34.7	2.022	2.992	4.7	21.6
3 12	9 52.49	+14 25.7	2.072	2.995	8.4	21.8
3 22	9 46.63	+15 5.2	2.148	2.998	11.7	22.1

150988 2001 TU_{241} 2 19.8 209°.82 6°.8/12.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 12	10 35.60	+25 54.7	1.929	2.738	14.0	19.7
1 22	10 32.12	+27 37.7	1.855	2.736	11.2	19.5
2 1	10 26.00	+29 24.0	1.805	2.734	8.4	19.3
2 11	10 17.81	+31 3.6	1.782	2.732	6.9	19.2
2 21	10 8.48	+32 26.5	1.786	2.730	7.6	19.3
3 2	9 59.20	+33 25.2	1.818	2.728	10.1	19.4
3 12	9 51.17	+33 56.6	1.874	2.726	13.0	19.6
3 22	9 45.29	+34 1.4	1.952	2.723	15.7	19.8

255756 2006 RW_{28} 2 19.8 278°.89 3°.0/21.9 17

1 12	10 34.58	+ 1 53.9	1.730	2.489	17.3	20.8
1 22	10 31.57	+ 1 50.3	1.618	2.467	14.3	20.5
2 1	10 25.86	+ 2 6.7	1.526	2.445	10.6	20.2
2 11	10 17.88	+ 2 42.4	1.458	2.423	6.3	19.9
2 21	10 8.45	+ 3 34.6	1.417	2.400	3.1	19.7
3 2	9 58.73	+ 4 37.4	1.403	2.378	5.6	19.8
3 12	9 50.03	+ 5 42.8	1.416	2.355	10.2	20.0
3 22	9 43.42	+ 6 43.6	1.453	2.332	14.6	20.2

119394 2001 TS_{38} 2 19.8 215°.08 5°.2/15.2 18

1 12	10 40.67	+25 10.6	2.242	3.032	12.9	20.6
1 22	10 35.62	+26 2.0	2.153	3.025	10.3	20.4
2 1	10 28.12	+26 54.8	2.088	3.018	7.5	20.2
2 11	10 18.75	+27 41.7	2.051	3.010	5.4	20.1
2 21	10 8.36	+28 16.1	2.043	3.001	5.7	20.1
3 2	9 58.05	+28 33.0	2.064	2.992	8.0	20.2
3 12	9 48.88	+28 30.2	2.112	2.983	10.9	20.4
3 22	9 41.69	+28 8.5	2.183	2.973	13.7	20.5

368760 2005 VB_{66} 2 19.8 99°.71 1°.7/18.4 18

1 12	10 35.79	+13 15.2	1.917	2.705	14.8	21.4
1 22	10 31.89	+13 54.1	1.840	2.715	11.6	21.2
2 1	10 25.59	+14 43.7	1.785	2.724	7.8	21.0
2 11	10 17.52	+15 38.3	1.757	2.733	3.7	20.8
2 21	10 8.54	+16 31.6	1.757	2.742	2.1	20.7
3 2	9 59.71	+17 17.3	1.786	2.751	5.8	20.9
3 12	9 52.09	+17 50.6	1.842	2.760	9.7	21.2
3 22	9 46.43	+18 9.4	1.922	2.768	13.1	21.4

519135 2010 MB_{96} 2 19.8 154°.99 4°.9/13.8 16

1 12	10 33.59	+24 24.5	2.549	3.345	11.3	21.3
1 22	10 29.77	+25 47.9	2.473	3.349	8.9	21.1
2 1	10 23.97	+27 13.6	2.423	3.353	6.5	20.9
2 11	10 16.70	+28 34.8	2.401	3.357	5.0	20.9
2 21	10 8.65	+29 44.8	2.409	3.360	5.5	20.9
3 2	10 0.64	+30 38.4	2.446	3.363	7.5	21.0
3 12	9 53.55	+31 12.8	2.510	3.366	10.0	21.2
3 22	9 48.01	+31 27.8	2.597	3.369	12.2	21.3

128607 Richhund 2 19.8 203°.58 0°.3/20.0 18

1 12	10 37.03	+ 7 32.7	1.792	2.565	16.3	20.6
1 22	10 33.18	+ 7 58.9	1.698	2.562	13.0	20.4
2 1	10 26.71	+ 8 41.4	1.626	2.558	9.0	20.1
2 11	10 18.17	+ 9 36.7	1.580	2.554	4.4	19.8
2 21	10 8.44	+10 38.8	1.561	2.550	0.6	19.5
3 2	9 58.69	+11 40.4	1.571	2.545	5.4	19.8
3 12	9 50.12	+12 34.7	1.609	2.539	9.9	20.1
3 22	9 43.66	+13 16.9	1.671	2.533	14.0	20.3

467257 2016 ET_{175} 2 19.8 278°.99 0°.2/19.9 17

1 12	10 33.81	+ 8 13.7	1.870	2.649	15.5	21.5
1 22	10 30.63	+ 8 36.7	1.768	2.635	12.4	21.3
2 1	10 24.98	+ 9 14.9	1.688	2.622	8.6	21.0
2 11	10 17.35	+10 5.1	1.633	2.608	4.2	20.7
2 21	10 8.54	+11 1.8	1.606	2.594	0.5	20.4
3 2	9 59.63	+11 58.4	1.607	2.581	5.2	20.7
3 12	9 51.75	+12 48.4	1.636	2.567	9.7	21.0
3 22	9 45.82	+13 27.0	1.689	2.553	13.7	21.2

91038 1998 FW_{8} 2 19.8 170°.62 3°.1/16.8 18

1 12	10 36.84	+18 40.6	2.290	3.078	12.7	20.1
1 22	10 32.40	+19 26.1	2.206	3.081	9.9	19.9
2 1	10 25.80	+20 17.2	2.146	3.083	6.8	19.7
2 11	10 17.59	+21 8.0	2.113	3.085	3.9	19.5
2 21	10 8.53	+21 52.8	2.110	3.086	3.5	19.5
3 2	9 59.57	+22 26.3	2.136	3.087	6.2	19.7
3 12	9 51.64	+22 45.4	2.191	3.088	9.4	19.9
3 22	9 45.45	+22 49.2	2.270	3.088	12.3	20.1

147733 2005 MV_{44} 2 19.8 106°.51 7°.0/25.4 18

1 12	10 37.79	− 7 52.0	1.991	2.682	17.4	21.0
1 22	10 33.38	− 8 46.2	1.906	2.695	14.9	20.8
2 1	10 26.60	− 9 19.9	1.840	2.707	12.1	20.6
2 11	10 18.02	− 9 30.7	1.798	2.719	9.2	20.5
2 21	10 8.47	− 9 18.7	1.781	2.730	7.2	20.4
3 2	9 59.00	− 8 46.6	1.792	2.742	7.4	20.4
3 12	9 50.66	− 8 0.0	1.831	2.753	9.4	20.5
3 22	9 44.22	− 7 5.9	1.894	2.764	12.2	20.7

96935 1999 TJ_{135} 2 19.8 265°.04 1°.4/18.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 12	10 35.68	+13 19.7	2.088	2.871	14.0	20.1
1 22	10 31.81	+13 43.3	1.988	2.859	11.0	19.9
2 1	10 25.61	+14 16.5	1.910	2.847	7.4	19.6
2 11	10 17.60	+14 55.1	1.858	2.835	3.6	19.3
2 21	10 8.53	+15 33.8	1.836	2.822	1.7	19.2
3 2	9 59.42	+16 7.0	1.843	2.810	5.5	19.4
3 12	9 51.31	+16 30.5	1.877	2.797	9.4	19.6
3 22	9 45.01	+16 41.6	1.936	2.784	12.9	19.8

435381 2007 XA_{16} 2 19.8 352°.41 6°.8/24.7 17

1 12	10 32.71	− 5 26.7	1.894	2.615	17.3	19.7
1 22	10 29.67	− 6 31.7	1.799	2.609	14.8	19.5
2 1	10 24.26	− 7 18.3	1.723	2.605	11.9	19.3
2 11	10 16.98	− 7 44.0	1.670	2.601	9.0	19.1
2 21	10 8.62	− 7 48.0	1.642	2.597	7.0	19.0
3 2	10 0.21	− 7 32.2	1.640	2.595	7.4	19.0
3 12	9 52.81	− 7 1.4	1.664	2.594	9.7	19.1
3 22	9 47.28	− 6 22.1	1.713	2.593	12.7	19.3

236898 2007 TF_{21} 2 19.8 147°.82 2°.7/22.4 17

1 12	10 34.01	+ 1 35.8	2.393	3.128	13.7	20.7
1 22	10 30.03	+ 1 25.2	2.298	3.131	11.2	20.5
2 1	10 24.13	+ 1 28.5	2.224	3.134	8.2	20.3
2 11	10 16.79	+ 1 44.6	2.177	3.136	5.1	20.1
2 21	10 8.67	+ 2 11.4	2.158	3.139	2.8	19.9
3 2	10 0.58	+ 2 45.3	2.169	3.141	4.2	20.0
3 12	9 53.36	+ 3 21.6	2.209	3.143	7.4	20.2
3 22	9 47.63	+ 3 56.4	2.275	3.145	10.4	20.4

386195 2007 VA_{211} 2 19.8 84°.45 4°.8/24.6 17

1 12	10 32.67	− 5 15.6	2.370	3.073	14.6	21.1
1 22	10 28.98	− 5 36.0	2.281	3.084	12.3	21.0
2 1	10 23.40	− 5 38.6	2.214	3.095	9.6	20.8
2 11	10 16.42	− 5 23.1	2.170	3.106	6.9	20.7
2 21	10 8.72	− 4 51.2	2.154	3.117	5.0	20.6
3 2	10 1.09	− 4 6.3	2.167	3.128	5.3	20.6
3 12	9 54.33	− 3 13.4	2.208	3.139	7.6	20.7
3 22	9 49.06	− 2 18.1	2.275	3.150	10.2	20.9

170244 2003 QO_{36} 2 19.8 89°.58 0°.2/19.7 18

1 12	10 38.00	+ 8 34.0	1.662	2.441	17.1	20.9
1 22	10 33.82	+ 9 7.9	1.594	2.462	13.4	20.7
2 1	10 26.98	+ 9 57.7	1.548	2.483	9.1	20.5
2 11	10 18.20	+10 58.0	1.528	2.504	4.3	20.3
2 21	10 8.49	+12 1.7	1.535	2.524	0.7	20.1
3 2	9 59.07	+13 1.4	1.571	2.544	5.5	20.5
3 12	9 51.10	+13 50.6	1.634	2.563	9.9	20.8
3 22	9 45.38	+14 25.9	1.722	2.582	13.7	21.0

273624 2007 DW_{26} 2 19.8 111°.69 2°.0/18.3 18

1 12	10 37.90	+15 3.2	1.974	2.760	14.5	21.1
1 22	10 33.47	+15 29.7	1.895	2.768	11.3	20.9
2 1	10 26.64	+16 4.4	1.838	2.777	7.6	20.7
2 11	10 18.03	+16 42.0	1.809	2.785	3.7	20.5
2 21	10 8.52	+17 16.7	1.808	2.792	2.3	20.4
3 2	9 59.18	+17 43.4	1.836	2.800	5.8	20.6
3 12	9 51.07	+17 58.3	1.892	2.808	9.6	20.9
3 22	9 44.94	+18 0.1	1.972	2.815	13.0	21.1

500667 2012 VS_{31} 2 19.8 119°.33 3°.5/16.6 17

1 12	10 36.33	+21 6.1	2.331	3.123	12.4	21.1
1 22	10 31.97	+21 40.6	2.247	3.123	9.7	20.9
2 1	10 25.50	+22 18.1	2.188	3.124	6.7	20.7
2 11	10 17.45	+22 53.2	2.155	3.124	4.1	20.5
2 21	10 8.60	+23 20.6	2.152	3.125	3.9	20.5
3 2	9 59.86	+23 36.0	2.178	3.125	6.4	20.7
3 12	9 52.17	+23 37.0	2.232	3.126	9.4	20.8
3 22	9 46.20	+23 23.5	2.310	3.126	12.2	21.0

432525 2010 GW_{97} 2 19.8 228°.12 7°.6/11.8 17

1 12	10 38.88	+34 17.2	2.378	3.169	12.2	21.5
1 22	10 34.23	+35 27.6	2.307	3.167	10.2	21.4
2 1	10 27.16	+36 33.1	2.260	3.164	8.4	21.3
2 11	10 18.28	+37 25.5	2.239	3.161	7.6	21.2
2 21	10 8.49	+37 58.5	2.246	3.159	8.2	21.2
3 2	9 58.85	+38 7.8	2.279	3.156	9.9	21.3
3 12	9 50.45	+37 52.8	2.337	3.153	12.0	21.5
3 22	9 44.04	+37 16.0	2.416	3.150	14.0	21.6

68601 2002 AD_{66} 2 19.8 270°.31 1°.1/20.8 18

1 12	10 33.47	+ 5 28.6	2.120	2.881	14.5	20.2
1 22	10 30.12	+ 5 49.1	2.006	2.861	11.7	20.0
2 1	10 24.53	+ 6 25.3	1.914	2.840	8.3	19.8
2 11	10 17.14	+ 7 15.1	1.848	2.819	4.3	19.5
2 21	10 8.63	+ 8 14.1	1.810	2.798	1.1	19.2
3 2	9 59.93	+ 9 16.6	1.802	2.776	4.6	19.4
3 12	9 52.08	+10 16.1	1.822	2.754	8.8	19.6
3 22	9 45.91	+11 7.6	1.867	2.732	12.6	19.8

331239 2011 BK_{98} 2 19.8 252°.95 2°.7/17.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 12	10 35.22	+15 50.7	2.013	2.805	14.1	21.2
1 22	10 31.56	+16 36.6	1.919	2.797	11.0	20.9
2 1	10 25.50	+17 32.0	1.848	2.788	7.5	20.7
2 11	10 17.57	+18 30.9	1.804	2.779	3.9	20.5
2 21	10 8.58	+19 26.7	1.788	2.769	3.1	20.4
3 2	9 59.56	+20 12.7	1.801	2.760	6.4	20.6
3 12	9 51.61	+20 44.3	1.841	2.750	10.2	20.8
3 22	9 45.55	+20 59.5	1.905	2.741	13.7	21.0

406873 2009 BW_{179} 2 19.8 280°.13 3°.7/16.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 34.52	+15 38.3	1.587	2.395	16.5	20.6
1 22	10 31.72	+16 47.5	1.499	2.386	13.0	20.3
2 1	10 26.02	+18 10.8	1.432	2.376	8.8	20.1
2 11	10 17.96	+19 40.3	1.391	2.366	4.8	19.8
2 21	10 8.51	+21 5.6	1.377	2.356	4.3	19.7
3 2	9 59.01	+22 16.9	1.390	2.347	8.2	19.9
3 12	9 50.83	+23 7.0	1.428	2.337	12.6	20.2
3 22	9 45.03	+23 33.5	1.488	2.327	16.6	20.4

414771 2010 OW_{46} 2 19.8 102°.96 5°.5/24.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 37.02	− 4 29.5	1.910	2.626	17.3	21.6
1 22	10 32.82	− 5 1.6	1.828	2.640	14.5	21.4
2 1	10 26.24	− 5 13.2	1.766	2.654	11.3	21.3
2 11	10 17.86	− 5 3.5	1.727	2.668	8.0	21.1
2 21	10 8.55	− 4 34.0	1.715	2.681	5.7	21.0
3 2	9 59.35	− 3 48.8	1.731	2.694	6.2	21.0
3 12	9 51.33	− 2 54.4	1.774	2.706	9.0	21.2
3 22	9 45.25	− 1 57.6	1.843	2.719	12.2	21.4

234450 2001 SL_{148} 2 19.8 107°.57 0°.4/19.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 41.62	+11 4.3	1.544	2.329	17.9	21.2
1 22	10 37.00	+11 8.8	1.468	2.340	14.2	21.0
2 1	10 29.36	+11 26.1	1.414	2.350	9.7	20.7
2 11	10 19.43	+11 51.7	1.384	2.360	4.6	20.5
2 21	10 8.34	+12 19.8	1.381	2.369	0.8	20.2
3 2	9 57.50	+12 44.2	1.406	2.379	6.0	20.6
3 12	9 48.28	+12 59.9	1.458	2.388	10.8	20.9
3 22	9 41.60	+13 4.4	1.534	2.397	14.9	21.2

69511 1997 ER_{33} 2 19.8 20°.07 2°.7/17.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 33.44	+13 55.8	1.284	2.105	19.0	18.6
1 22	10 31.20	+14 40.2	1.217	2.110	14.8	18.4
2 1	10 25.74	+15 39.6	1.170	2.116	10.0	18.1
2 11	10 17.79	+16 45.9	1.145	2.123	4.9	17.8
2 21	10 8.56	+17 49.1	1.146	2.131	3.3	17.8
3 2	9 59.56	+18 39.9	1.172	2.139	7.9	18.1
3 12	9 52.29	+19 11.7	1.222	2.148	12.7	18.3
3 22	9 47.72	+19 22.4	1.293	2.158	17.0	18.6

133735 2003 UB_{296} 2 19.8 263°.39 2°.6/17.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 36.14	+17 13.2	2.117	2.908	13.5	20.4
1 22	10 32.10	+17 44.6	2.025	2.901	10.6	20.2
2 1	10 25.76	+18 22.7	1.956	2.895	7.2	20.0
2 11	10 17.66	+19 2.1	1.915	2.889	3.8	19.8
2 21	10 8.58	+19 37.3	1.902	2.883	3.0	19.7
3 2	9 59.55	+20 2.8	1.918	2.877	6.1	19.9
3 12	9 51.58	+20 15.3	1.961	2.870	9.7	20.1
3 22	9 45.45	+20 13.4	2.029	2.864	13.0	20.3

164339 2005 BO_{16} 2 19.8 138°.79 1°.6/18.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 39.55	+12 52.1	2.014	2.791	14.6	21.0
1 22	10 34.69	+13 34.2	1.936	2.805	11.4	20.8
2 1	10 27.43	+14 26.7	1.882	2.818	7.7	20.6
2 11	10 18.41	+15 24.2	1.854	2.830	3.6	20.3
2 21	10 8.50	+16 20.3	1.856	2.842	1.9	20.2
3 2	9 58.76	+17 8.7	1.888	2.853	5.6	20.5
3 12	9 50.23	+17 45.0	1.949	2.863	9.4	20.8
3 22	9 43.69	+18 6.9	2.034	2.872	12.8	21.0

273703 2007 EK_{45} 2 19.8 223°.69 3°.0/17.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 37.52	+18 1.8	2.048	2.839	13.9	20.7
1 22	10 33.25	+18 35.2	1.960	2.836	10.9	20.5
2 1	10 26.57	+19 14.9	1.894	2.833	7.4	20.3
2 11	10 18.05	+19 55.0	1.856	2.830	4.0	20.1
2 21	10 8.54	+20 29.6	1.847	2.826	3.4	20.0
3 2	9 59.10	+20 53.3	1.866	2.823	6.5	20.2
3 12	9 50.81	+21 2.7	1.913	2.819	10.1	20.4
3 22	9 44.47	+20 57.0	1.983	2.815	13.3	20.6

400934 2010 UP_{94} 2 19.8 95°.09 3°.7/15.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 37.94	+14 52.0	2.018	2.803	14.3	20.6
1 22	10 33.41	+16 57.9	1.958	2.833	11.0	20.4
2 1	10 26.55	+19 14.6	1.924	2.863	7.3	20.2
2 11	10 17.97	+21 32.3	1.920	2.892	4.2	20.1
2 21	10 8.56	+23 40.5	1.948	2.920	4.3	20.2
3 2	9 59.36	+25 30.2	2.006	2.947	7.3	20.4
3 12	9 51.37	+26 56.1	2.093	2.974	10.5	20.6
3 22	9 45.34	+27 56.9	2.204	3.000	13.4	20.9

277883 Basu 2 19.8 185°.31 2°.6/22.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 12	10 32.74	+ 0 22.0	2.490	3.220	13.4	21.6
1 22	10 29.01	+ 0 28.8	2.390	3.220	11.0	21.4
2 1	10 23.44	+ 0 51.0	2.312	3.219	8.1	21.2
2 11	10 16.49	+ 1 27.2	2.260	3.219	5.0	21.0
2 21	10 8.77	+ 2 14.6	2.237	3.218	2.7	20.9
3 2	10 1.05	+ 3 9.0	2.244	3.216	4.1	21.0
3 12	9 54.11	+ 4 5.4	2.280	3.215	7.1	21.2
3 22	9 48.59	+ 4 58.9	2.343	3.213	10.2	21.3

338991 2004 GC_3 2 19.8 7°.27 6°.2/25.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 26.08	− 5 49.6	1.517	2.267	19.7	19.8
1 22	10 24.92	− 6 10.1	1.437	2.270	16.7	19.6
2 1	10 21.23	− 6 3.0	1.375	2.273	13.1	19.3
2 11	10 15.59	− 5 27.0	1.334	2.279	9.4	19.1
2 21	10 8.88	− 4 24.8	1.317	2.286	6.6	19.0
3 2	10 2.25	− 3 2.7	1.325	2.294	6.9	19.0
3 12	9 56.85	− 1 30.8	1.358	2.304	9.9	19.2
3 22	9 53.53	+ 0 0.9	1.415	2.315	13.6	19.5

20470 1999 NZ_5 2 19.8 143°.40 0°.1/19.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 36.55	+ 6 17.9	2.206	2.961	14.2	18.7
1 22	10 32.15	+ 7 12.5	2.122	2.975	11.2	18.5
2 1	10 25.63	+ 8 22.6	2.061	2.988	7.7	18.3
2 11	10 17.54	+ 9 43.7	2.027	3.001	3.7	18.1
2 21	10 8.63	+11 9.7	2.024	3.012	0.5	17.8
3 2	9 59.82	+12 33.5	2.052	3.023	4.5	18.2
3 12	9 52.01	+13 48.8	2.109	3.033	8.3	18.4
3 22	9 45.90	+14 51.3	2.193	3.042	11.6	18.6

98384 2000 TG_{42} 2 19.8 36°.91 3°.3/17.3 18 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 33.97	+13 52.1	1.397	2.211	18.1	19.5
1 22	10 31.44	+15 3.2	1.325	2.215	14.1	19.2
2 1	10 25.85	+16 30.5	1.275	2.220	9.5	19.0
2 11	10 17.86	+18 5.0	1.248	2.225	4.8	18.7
2 21	10 8.59	+19 35.5	1.248	2.231	3.9	18.7
3 2	9 59.46	+20 51.2	1.275	2.236	8.1	18.9
3 12	9 51.92	+21 44.9	1.326	2.242	12.8	19.2
3 22	9 46.95	+22 14.0	1.398	2.249	16.8	19.5

204704 2006 FD_{36} 2 19.8 348°.19 3°.0/17.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 26.27	+13 13.6	1.003	1.851	21.1	19.6
1 22	10 26.53	+13 55.8	0.930	1.838	16.6	19.3
2 1	10 23.18	+14 58.6	0.874	1.827	11.3	18.9
2 11	10 16.83	+16 14.1	0.838	1.818	5.5	18.6
2 21	10 8.71	+17 30.1	0.824	1.810	3.7	18.4
3 2	10 0.59	+18 33.5	0.833	1.805	9.2	18.7
3 12	9 54.35	+19 14.2	0.863	1.801	15.1	19.0
3 22	9 51.23	+19 27.9	0.910	1.800	20.2	19.3

229192 2004 TN_{256} 2 19.8 19°.19 1°.0/19.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 35.37	+12 17.9	1.851	2.639	15.3	20.5
1 22	10 31.73	+12 36.7	1.766	2.641	12.0	20.3
2 1	10 25.61	+13 6.3	1.704	2.642	8.1	20.0
2 11	10 17.62	+13 42.4	1.667	2.644	3.8	19.8
2 21	10 8.63	+14 19.2	1.659	2.646	1.4	19.6
3 2	9 59.75	+14 51.2	1.678	2.648	5.5	19.9
3 12	9 52.06	+15 13.6	1.725	2.651	9.7	20.1
3 22	9 46.39	+15 23.9	1.796	2.653	13.4	20.4

345121 2005 QQ_{95} 2 19.8 232°.58 0°.7/18.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 31.71	+11 8.1	2.754	3.523	11.3	21.1
1 22	10 28.10	+11 44.7	2.651	3.515	8.9	20.9
2 1	10 22.78	+12 30.6	2.572	3.506	6.0	20.7
2 11	10 16.17	+13 22.4	2.521	3.497	2.8	20.5
2 21	10 8.83	+14 15.8	2.500	3.487	1.0	20.4
3 2	10 1.47	+15 6.3	2.510	3.478	4.1	20.6
3 12	9 54.80	+15 49.8	2.549	3.468	7.3	20.8
3 22	9 49.41	+16 23.5	2.615	3.458	10.1	20.9

323165 2003 FZ_{93} 2 19.8 202°.48 6°.6/12.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 38.62	+29 7.5	2.294	3.089	12.5	20.6
1 22	10 34.09	+30 26.3	2.216	3.086	10.1	20.4
2 1	10 27.14	+31 44.5	2.162	3.082	7.9	20.3
2 11	10 18.34	+32 53.9	2.136	3.077	6.6	20.2
2 21	10 8.55	+33 47.0	2.137	3.073	7.2	20.2
3 2	9 58.82	+34 18.4	2.167	3.067	9.2	20.3
3 12	9 50.23	+34 26.3	2.222	3.062	11.7	20.5
3 22	9 43.59	+34 12.1	2.299	3.055	14.1	20.6

2361 Gogol 2 19.8 14°.75 0°.9/19.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 32.24	+11 38.9	1.912	2.703	14.8	16.4
1 22	10 29.17	+12 2.4	1.830	2.706	11.6	16.2
2 1	10 23.82	+12 37.3	1.771	2.710	7.8	16.0
2 11	10 16.74	+13 19.1	1.737	2.714	3.7	15.7
2 21	10 8.77	+14 2.2	1.731	2.719	1.2	15.5
3 2	10 0.91	+14 40.9	1.754	2.725	5.3	15.8
3 12	9 54.16	+15 10.5	1.804	2.730	9.2	16.1
3 22	9 49.27	+15 28.1	1.877	2.737	12.8	16.3

214258 2005 GM_6 2 19.8 226°.16 2°.2/17.9 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 12	10 36.73	+14 11.9	1.975	2.762	14.5	21.2
1 22	10 32.81	+14 57.6	1.879	2.754	11.4	21.0
2 1	10 26.41	+15 54.3	1.807	2.745	7.7	20.7
2 11	10 18.06	+16 56.5	1.761	2.736	3.8	20.5
2 21	10 8.58	+17 57.1	1.743	2.727	2.6	20.4
3 2	9 59.07	+18 49.4	1.755	2.717	6.2	20.6
3 12	9 50.63	+19 28.0	1.794	2.707	10.2	20.8
3 22	9 44.16	+19 50.3	1.858	2.696	13.8	21.0

455653 2005 AE_{48} 2 19.8 337°.92 3°.6/17.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 30.87	+13 54.3	1.337	2.159	18.3	20.9
1 22	10 29.30	+15 9.4	1.257	2.152	14.3	20.7
2 1	10 24.61	+16 43.0	1.197	2.144	9.7	20.4
2 11	10 17.37	+18 26.2	1.161	2.138	5.0	20.1
2 21	10 8.66	+20 7.0	1.150	2.132	4.3	20.0
3 2	9 59.94	+21 33.0	1.165	2.127	8.8	20.3
3 12	9 52.73	+22 35.3	1.204	2.122	13.6	20.5
3 22	9 48.14	+23 10.4	1.263	2.118	18.0	20.8

39049 2000 UJ_{97} 2 19.8 100°.33 1°.8/21.3 18 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 35.60	+ 4 51.5	1.999	2.758	15.3	19.6
1 22	10 31.65	+ 4 49.9	1.913	2.764	12.3	19.4
2 1	10 25.43	+ 5 2.9	1.848	2.771	8.7	19.1
2 11	10 17.50	+ 5 28.5	1.809	2.778	4.8	18.9
2 21	10 8.67	+ 6 2.9	1.798	2.784	1.8	18.7
3 2	9 59.93	+ 6 41.4	1.816	2.791	4.6	18.9
3 12	9 52.29	+ 7 18.7	1.862	2.797	8.4	19.2
3 22	9 46.48	+ 7 50.4	1.934	2.804	12.0	19.4

466975 2016 BK_{11} 2 19.8 280°.60 1°.5/21.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 31.93	+ 2 33.6	1.933	2.692	15.8	21.5
1 22	10 29.21	+ 3 12.1	1.816	2.668	12.8	21.3
2 1	10 24.12	+ 4 12.6	1.720	2.644	9.2	21.0
2 11	10 17.05	+ 5 33.0	1.650	2.620	5.1	20.7
2 21	10 8.71	+ 7 8.0	1.608	2.595	1.5	20.4
3 2	10 0.12	+ 8 50.0	1.595	2.570	5.0	20.6
3 12	9 52.38	+10 29.6	1.610	2.545	9.5	20.8
3 22	9 46.45	+11 59.0	1.650	2.520	13.7	21.0

330332 2006 UZ_{192} 2 19.8 128°.25 0°.7/19.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 39.63	+11 29.4	2.203	2.969	13.8	21.9
1 22	10 34.48	+11 52.3	2.125	2.987	10.8	21.7
2 1	10 27.15	+12 24.6	2.070	3.003	7.3	21.5
2 11	10 18.25	+13 2.4	2.043	3.019	3.4	21.3
2 21	10 8.59	+13 40.7	2.046	3.034	1.0	21.1
3 2	9 59.11	+14 14.7	2.079	3.048	4.8	21.4
3 12	9 50.77	+14 40.6	2.142	3.062	8.4	21.7
3 22	9 44.22	+14 56.1	2.230	3.075	11.6	21.9

429840 2012 QD_{27} 2 19.8 106°.97 0°.6/19.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 35.95	+12 3.5	2.461	3.230	12.5	21.6
1 22	10 31.42	+12 16.9	2.379	3.242	9.8	21.5
2 1	10 24.99	+12 38.1	2.321	3.254	6.6	21.3
2 11	10 17.20	+13 3.7	2.291	3.266	3.1	21.1
2 21	10 8.74	+13 29.8	2.290	3.278	0.9	20.9
3 2	10 0.42	+13 52.7	2.320	3.290	4.3	21.2
3 12	9 53.04	+14 9.1	2.379	3.301	7.6	21.4
3 22	9 47.21	+14 17.2	2.465	3.312	10.5	21.6

240881 2006 DG_{40} 2 19.8 292°.66 1°.5/20.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 33.02	+ 4 11.6	1.506	2.288	18.5	20.2
1 22	10 30.60	+ 4 36.4	1.414	2.280	15.0	20.0
2 1	10 25.30	+ 5 24.2	1.341	2.272	10.6	19.7
2 11	10 17.67	+ 6 32.2	1.291	2.264	5.6	19.4
2 21	10 8.65	+ 7 53.9	1.268	2.256	1.5	19.1
3 2	9 59.53	+ 9 20.1	1.272	2.248	5.8	19.3
3 12	9 51.71	+10 41.0	1.302	2.241	10.9	19.6
3 22	9 46.23	+11 48.7	1.354	2.233	15.5	19.9

245869 2006 PD_{22} 2 19.8 178°.68 1°.2/18.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 32.99	+12 38.8	2.518	3.294	12.0	20.8
1 22	10 29.21	+13 14.6	2.426	3.295	9.4	20.6
2 1	10 23.58	+13 59.1	2.359	3.295	6.3	20.4
2 11	10 16.57	+14 48.3	2.319	3.295	3.0	20.2
2 21	10 8.82	+15 37.5	2.309	3.295	1.5	20.1
3 2	10 1.11	+16 22.0	2.329	3.295	4.6	20.3
3 12	9 54.23	+16 57.8	2.378	3.295	7.9	20.5
3 22	9 48.79	+17 22.6	2.453	3.294	10.8	20.7

344305 2001 UZ_{129} 2 19.8 217°.58 4°.5/25.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 30.88	− 7 28.1	2.776	3.458	13.1	21.7
1 22	10 27.44	− 7 26.8	2.665	3.452	11.2	21.5
2 1	10 22.34	− 7 7.7	2.575	3.445	8.9	21.3
2 11	10 15.98	− 6 30.6	2.509	3.438	6.5	21.2
2 21	10 8.89	− 5 37.1	2.472	3.431	4.7	21.0
3 2	10 1.76	− 4 30.5	2.464	3.423	4.9	21.0
3 12	9 55.29	− 3 15.9	2.486	3.416	6.9	21.2
3 22	9 50.05	− 1 58.9	2.535	3.407	9.4	21.3

22318 1991 PG_1 2 19.8 189°.57 2°.1/17.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 12	10 36.69	+13 32.6	2.318	3.093	13.0	19.9
1 22	10 32.35	+14 38.7	2.223	3.092	10.1	19.7
2 1	10 25.87	+15 55.8	2.154	3.090	6.8	19.5
2 11	10 17.73	+17 18.0	2.112	3.088	3.4	19.3
2 21	10 8.66	+18 38.8	2.101	3.084	2.5	19.2
3 2	9 59.57	+19 51.2	2.122	3.080	5.7	19.4
3 12	9 51.39	+20 50.0	2.171	3.074	9.2	19.6
3 22	9 44.88	+21 32.7	2.245	3.068	12.3	19.8

110394 2001 TE_8 2 19.8 151°.84 2°.9/23.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 33.05	− 1 24.5	3.003	3.710	11.7	20.6
1 22	10 28.86	− 1 29.5	2.906	3.718	9.7	20.4
2 1	10 23.14	− 1 21.7	2.832	3.726	7.3	20.2
2 11	10 16.30	− 1 1.7	2.784	3.733	4.8	20.1
2 21	10 8.87	− 0 31.3	2.766	3.740	3.0	20.0
3 2	10 1.48	+ 0 6.4	2.779	3.746	3.8	20.0
3 12	9 54.76	+ 0 47.9	2.821	3.752	6.1	20.2
3 22	9 49.22	+ 1 29.2	2.891	3.758	8.6	20.4

110659 2001 TX_{176} 2 19.8 16°.41 2°.9/23.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 28.50	− 1 19.4	2.876	3.597	11.9	19.7
1 22	10 25.45	− 1 18.2	2.778	3.599	9.8	19.5
2 1	10 20.91	− 1 3.3	2.702	3.601	7.4	19.4
2 11	10 15.25	− 0 35.6	2.652	3.604	4.8	19.2
2 21	10 9.01	+ 0 3.0	2.631	3.606	3.0	19.1
3 2	10 2.79	+ 0 49.0	2.639	3.609	3.8	19.1
3 12	9 57.22	+ 1 38.4	2.677	3.612	6.2	19.3
3 22	9 52.79	+ 2 27.1	2.741	3.615	8.7	19.5

294261 2007 UG_{85} 2 19.8 33°.44 0°.3/20.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 32.27	+ 8 9.5	2.225	2.995	13.6	21.5
1 22	10 28.88	+ 8 31.2	2.135	2.997	10.8	21.3
2 1	10 23.47	+ 9 5.3	2.067	2.999	7.4	21.1
2 11	10 16.56	+ 9 48.5	2.026	3.001	3.6	20.9
2 21	10 8.84	+10 36.4	2.014	3.003	0.4	20.6
3 2	10 1.18	+11 23.7	2.032	3.005	4.3	20.9
3 12	9 54.43	+12 5.6	2.077	3.007	8.0	21.1
3 22	9 49.27	+12 38.7	2.148	3.009	11.3	21.4

42302 2001 VF_{10} 2 19.8 200°.99 6°.9/26.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 36.14	−11 55.4	2.544	3.192	14.9	19.8
1 22	10 31.78	−12 34.8	2.435	3.188	13.1	19.6
2 1	10 25.43	−12 55.3	2.345	3.183	10.9	19.4
2 11	10 17.53	−12 54.8	2.279	3.177	8.7	19.3
2 21	10 8.71	−12 32.7	2.239	3.171	7.1	19.2
3 2	9 59.80	−11 51.0	2.228	3.163	7.1	19.2
3 12	9 51.65	−10 54.1	2.244	3.156	8.5	19.2
3 22	9 44.97	− 9 48.1	2.287	3.147	10.8	19.4

19753 2000 CL_{94} 2 19.8 242°.64 0°.1/19.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 37.06	+ 7 36.2	1.801	2.574	16.2	18.8
1 22	10 33.41	+ 8 8.5	1.695	2.559	13.0	18.5
2 1	10 27.07	+ 8 58.4	1.610	2.543	9.0	18.3
2 11	10 18.51	+10 2.3	1.551	2.526	4.4	18.0
2 21	10 8.57	+11 14.1	1.520	2.509	0.6	17.6
3 2	9 58.43	+12 25.9	1.518	2.491	5.6	17.9
3 12	9 49.37	+13 29.9	1.544	2.473	10.4	18.2
3 22	9 42.40	+14 20.7	1.594	2.453	14.6	18.4

166182 2002 EN_{72} 2 19.8 270°.54 0°.1/19.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 37.17	+ 9 33.6	1.688	2.471	16.7	20.3
1 22	10 33.67	+ 9 46.0	1.585	2.455	13.4	20.0
2 1	10 27.33	+10 13.1	1.503	2.439	9.3	19.7
2 11	10 18.65	+10 51.4	1.446	2.422	4.5	19.4
2 21	10 8.55	+11 35.3	1.417	2.405	0.6	19.1
3 2	9 58.27	+12 18.2	1.415	2.388	5.8	19.4
3 12	9 49.18	+12 53.5	1.440	2.371	10.8	19.6
3 22	9 42.33	+13 16.9	1.488	2.354	15.2	19.9

400362 2007 VK_{219} 2 19.8 130°.69 1°.0/19.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 38.74	+11 15.5	1.946	2.722	15.1	22.1
1 22	10 34.15	+11 49.7	1.869	2.735	11.8	21.9
2 1	10 27.14	+12 35.7	1.813	2.748	8.0	21.6
2 11	10 18.33	+13 28.5	1.785	2.761	3.7	21.4
2 21	10 8.62	+14 22.0	1.785	2.772	1.3	21.3
3 2	9 59.09	+15 9.9	1.815	2.784	5.4	21.6
3 12	9 50.78	+15 47.2	1.873	2.794	9.4	21.8
3 22	9 44.47	+16 11.5	1.956	2.804	12.8	22.1

456519 2006 YL_{32} 2 19.8 37°.26 0°.2/19.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 37.42	+10 5.8	1.411	2.209	18.7	20.7
1 22	10 33.84	+10 0.9	1.347	2.225	14.8	20.5
2 1	10 27.26	+10 10.1	1.303	2.241	10.1	20.3
2 11	10 18.46	+10 29.4	1.283	2.259	4.9	20.0
2 21	10 8.61	+10 53.2	1.288	2.277	0.6	19.7
3 2	9 59.13	+11 15.3	1.320	2.295	5.9	20.2
3 12	9 51.33	+11 30.4	1.378	2.314	10.7	20.5
3 22	9 46.08	+11 35.6	1.458	2.334	14.8	20.8

467755 2009 US_{18} 2 19.8 37°.84 7°.5/26.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 12	10 32.42	− 8 35.2	1.663	2.379	19.5	20.2
1 22	10 29.62	− 9 17.1	1.588	2.392	16.7	20.0
2 1	10 24.29	− 9 32.9	1.531	2.406	13.5	19.8
2 11	10 17.04	− 9 20.6	1.495	2.421	10.2	19.6
2 21	10 8.79	− 8 41.1	1.483	2.437	7.8	19.5
3 2	10 0.68	− 7 39.1	1.496	2.452	7.8	19.6
3 12	9 53.84	− 6 23.0	1.535	2.469	10.0	19.7
3 22	9 49.07	− 5 2.0	1.599	2.485	13.1	20.0

98372 2000 TO_{19} 2 19.8 115°.83 4°.6/16.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 39.77	+19 28.8	1.681	2.483	16.0	19.9
1 22	10 35.46	+20 35.1	1.613	2.495	12.5	19.7
2 1	10 28.28	+21 48.6	1.568	2.507	8.6	19.5
2 11	10 18.96	+23 0.4	1.549	2.519	5.2	19.3
2 21	10 8.56	+24 1.5	1.557	2.530	5.1	19.3
3 2	9 58.43	+24 44.5	1.594	2.541	8.3	19.5
3 12	9 49.82	+25 5.7	1.656	2.551	12.0	19.8
3 22	9 43.62	+25 5.5	1.740	2.561	15.4	20.0

62306 2000 SS_{117} 2 19.8 176°.81 0°.4/20.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 33.40	+ 6 47.0	2.026	2.796	14.8	19.5
1 22	10 30.00	+ 7 18.0	1.935	2.796	11.8	19.3
2 1	10 24.39	+ 8 4.5	1.866	2.796	8.1	19.1
2 11	10 17.07	+ 9 2.8	1.823	2.797	4.0	18.8
2 21	10 8.81	+10 7.5	1.808	2.797	0.5	18.5
3 2	10 0.57	+11 12.3	1.823	2.797	4.7	18.8
3 12	9 53.35	+12 10.9	1.866	2.797	8.7	19.1
3 22	9 47.89	+12 58.8	1.934	2.796	12.3	19.3

462865 2010 VD_{46} 2 19.8 154°.79 4°.5/15.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 39.71	+22 23.1	2.230	3.019	13.0	22.0
1 22	10 34.75	+23 23.3	2.154	3.027	10.2	21.8
2 1	10 27.48	+24 26.8	2.102	3.035	7.2	21.7
2 11	10 18.49	+25 26.4	2.078	3.042	4.8	21.5
2 21	10 8.63	+26 15.3	2.084	3.049	4.9	21.5
3 2	9 58.93	+26 48.4	2.119	3.054	7.4	21.7
3 12	9 50.38	+27 3.0	2.181	3.059	10.3	21.9
3 22	9 43.73	+26 59.4	2.267	3.064	13.0	22.1

391021 2005 SG_{236} 2 19.9 218°.27 0°.2/19.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 39.59	+ 8 25.0	1.769	2.540	16.5	22.2
1 22	10 35.36	+ 8 43.2	1.670	2.532	13.2	22.0
2 1	10 28.35	+ 9 16.8	1.592	2.524	9.2	21.7
2 11	10 19.11	+10 2.2	1.540	2.514	4.5	21.4
2 21	10 8.53	+10 53.9	1.516	2.504	0.5	21.1
3 2	9 57.86	+11 45.0	1.521	2.494	5.6	21.4
3 12	9 48.39	+12 28.8	1.553	2.482	10.3	21.7
3 22	9 41.13	+13 1.1	1.610	2.470	14.5	21.9

45861 2000 UZ_{37} 2 19.9 211°.69 0°.1/19.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 32.07	+ 8 39.6	2.770	3.530	11.5	19.9
1 22	10 28.33	+ 9 1.9	2.669	3.526	9.1	19.7
2 1	10 22.93	+ 9 33.9	2.592	3.522	6.2	19.5
2 11	10 16.27	+10 13.0	2.543	3.517	3.0	19.3
2 21	10 8.93	+10 55.7	2.524	3.513	0.4	19.0
3 2	10 1.59	+11 37.8	2.536	3.508	3.7	19.3
3 12	9 54.95	+12 15.6	2.577	3.503	6.9	19.5
3 22	9 49.59	+12 46.2	2.645	3.498	9.7	19.7

51796 2001 MJ_{27} 2 19.9 179°.89 1°.1/20.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 35.53	+ 7 17.2	2.373	3.129	13.2	18.1
1 22	10 31.28	+ 7 12.3	2.277	3.130	10.6	17.9
2 1	10 25.05	+ 7 17.9	2.205	3.130	7.4	17.7
2 11	10 17.33	+ 7 31.9	2.159	3.130	3.9	17.5
2 21	10 8.80	+ 7 51.6	2.142	3.130	1.1	17.3
3 2	10 0.32	+ 8 13.2	2.156	3.130	4.0	17.5
3 12	9 52.73	+ 8 32.9	2.198	3.129	7.6	17.7
3 22	9 46.70	+ 8 47.8	2.267	3.129	10.8	17.9

390540 1999 TE_{165} 2 19.9 213°.06 0°.4/20.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 41.30	+ 7 58.6	1.944	2.703	15.7	22.2
1 22	10 36.47	+ 8 14.9	1.839	2.695	12.5	21.9
2 1	10 29.00	+ 8 45.6	1.757	2.685	8.7	21.7
2 11	10 19.39	+ 9 27.5	1.701	2.674	4.3	21.4
2 21	10 8.52	+10 15.5	1.673	2.662	0.6	21.1
3 2	9 57.52	+11 3.6	1.676	2.649	5.2	21.4
3 12	9 47.62	+11 45.7	1.708	2.635	9.7	21.6
3 22	9 39.77	+12 17.8	1.765	2.620	13.7	21.8

352683 2008 SU_{5} 2 19.9 183°.51 1°.7/18.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 37.82	+11 32.5	1.740	2.526	16.2	21.3
1 22	10 33.93	+12 27.6	1.653	2.527	12.7	21.1
2 1	10 27.33	+13 37.9	1.588	2.527	8.6	20.8
2 11	10 18.58	+14 57.3	1.550	2.526	4.1	20.5
2 21	10 8.63	+16 17.4	1.539	2.525	2.2	20.4
3 2	9 58.70	+17 29.5	1.558	2.524	6.4	20.7
3 12	9 50.04	+18 26.8	1.604	2.521	10.9	20.9
3 22	9 43.60	+19 5.7	1.673	2.518	14.7	21.1

203187 2001 CK 2 19.9 123°.58 5°.0/15.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 12	10 36.77	+10 25.2	1.226	2.036	20.3	20.1
1 22	10 34.21	+13 18.5	1.157	2.047	15.7	19.8
2 1	10 28.13	+16 42.6	1.111	2.057	10.5	19.6
2 11	10 19.17	+20 20.9	1.091	2.066	5.7	19.3
2 21	10 8.54	+23 51.1	1.100	2.075	6.2	19.4
3 2	9 57.96	+26 51.9	1.137	2.083	10.9	19.7
3 12	9 49.18	+29 10.4	1.199	2.091	15.8	20.0
3 22	9 43.42	+30 43.9	1.281	2.099	20.0	20.2

239205 2006 OT_{17} 2 19.9 136°.27 3°.7/16.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 36.86	+21 53.5	2.440	3.229	12.0	20.6
1 22	10 32.30	+22 32.3	2.360	3.234	9.4	20.4
2 1	10 25.71	+23 13.6	2.304	3.239	6.5	20.3
2 11	10 17.62	+23 51.7	2.276	3.243	4.2	20.1
2 21	10 8.78	+24 21.5	2.278	3.247	4.1	20.1
3 2	10 0.07	+24 38.8	2.309	3.252	6.4	20.3
3 12	9 52.38	+24 41.6	2.367	3.256	9.2	20.4
3 22	9 46.36	+24 29.8	2.451	3.259	11.8	20.6

138611 2000 QJ_{189} 2 19.9 193°.12 3°.0/16.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 33.21	+19 27.4	2.873	3.658	10.5	20.4
1 22	10 29.23	+20 22.8	2.783	3.656	8.2	20.2
2 1	10 23.54	+21 22.6	2.718	3.654	5.6	20.0
2 11	10 16.57	+22 22.1	2.682	3.651	3.4	19.9
2 21	10 8.91	+23 16.2	2.676	3.648	3.3	19.9
3 2	10 1.27	+24 0.5	2.701	3.645	5.5	20.0
3 12	9 54.37	+24 32.0	2.755	3.641	8.1	20.2
3 22	9 48.79	+24 49.4	2.833	3.637	10.5	20.3

227 Philosophia 2 19.9 296°.79 0°.4/20.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 34.84	+ 9 36.1	2.282	3.050	13.4	14.1
1 22	10 31.01	+ 9 33.7	2.170	3.031	10.7	13.9
2 1	10 25.05	+ 9 40.9	2.082	3.012	7.4	13.6
2 11	10 17.42	+ 9 55.4	2.020	2.994	3.7	13.4
2 21	10 8.80	+10 13.8	1.986	2.975	0.5	13.1
3 2	10 0.07	+10 32.5	1.983	2.956	4.4	13.3
3 12	9 52.18	+10 47.4	2.008	2.938	8.3	13.5
3 22	9 45.90	+10 55.7	2.058	2.919	11.7	13.7

397527 2007 TX_{174} 2 19.9 167°.42 1°.1/20.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 38.23	+ 5 27.4	2.221	2.969	14.3	22.5
1 22	10 33.52	+ 5 47.9	2.128	2.975	11.4	22.3
2 1	10 26.65	+ 6 22.6	2.058	2.980	8.0	22.1
2 11	10 18.13	+ 7 8.8	2.014	2.985	4.2	21.9
2 21	10 8.72	+ 8 2.0	2.001	2.988	1.1	21.6
3 2	9 59.35	+ 8 57.0	2.018	2.991	4.3	21.9
3 12	9 50.98	+ 9 48.1	2.064	2.993	8.1	22.1
3 22	9 44.33	+10 31.3	2.137	2.994	11.5	22.3

495416 2014 SZ_{135} 2 19.9 167°.32 0°.9/19.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 37.68	+11 4.1	2.140	2.911	14.1	22.5
1 22	10 33.21	+11 41.9	2.052	2.916	11.0	22.3
2 1	10 26.49	+12 31.4	1.986	2.921	7.5	22.1
2 11	10 18.07	+13 27.8	1.948	2.924	3.5	21.8
2 21	10 8.73	+14 25.3	1.940	2.927	1.3	21.6
3 2	9 59.45	+15 18.1	1.962	2.930	5.1	21.9
3 12	9 51.22	+16 1.1	2.012	2.931	8.9	22.2
3 22	9 44.79	+16 31.3	2.088	2.932	12.3	22.4

35993 1999 NS_{17} 2 19.9 298°.12 1°.6/18.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 35.86	+12 35.3	1.476	2.279	17.8	18.4
1 22	10 33.15	+12 58.4	1.375	2.258	14.2	18.1
2 1	10 27.30	+13 36.3	1.295	2.237	9.7	17.7
2 11	10 18.79	+14 24.0	1.239	2.216	4.7	17.4
2 21	10 8.60	+15 14.0	1.208	2.195	2.0	17.2
3 2	9 58.16	+15 57.8	1.204	2.175	7.1	17.4
3 12	9 49.05	+16 28.3	1.225	2.154	12.5	17.7
3 22	9 42.49	+16 41.5	1.268	2.134	17.2	17.9

323909 2005 TZ_{69} 2 19.9 52°.53 10°.4/ 1.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 31.27	−19 40.4	1.880	2.513	19.9	20.5
1 22	10 28.66	−20 21.3	1.793	2.520	18.0	20.3
2 1	10 23.66	−20 31.6	1.722	2.527	15.6	20.1
2 11	10 16.79	−20 7.2	1.669	2.534	13.2	20.0
2 21	10 8.89	−19 6.8	1.637	2.542	11.2	19.9
3 2	10 1.02	−17 33.7	1.630	2.549	10.4	19.9
3 12	9 54.25	−15 35.9	1.649	2.557	11.3	19.9
3 22	9 49.43	−13 24.6	1.692	2.565	13.2	20.1

336320 2008 TK_{66} 2 19.9 145°.16 1°.4/18.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 34.65	+13 5.7	2.279	3.058	13.0	21.5
1 22	10 30.70	+13 42.2	2.193	3.063	10.2	21.3
2 1	10 24.70	+14 27.7	2.131	3.068	6.8	21.1
2 11	10 17.18	+15 18.0	2.096	3.072	3.3	20.9
2 21	10 8.85	+16 7.6	2.090	3.076	1.7	20.8
3 2	10 0.60	+16 51.3	2.115	3.080	5.0	21.0
3 12	9 53.32	+17 24.9	2.167	3.083	8.5	21.2
3 22	9 47.67	+17 46.2	2.245	3.087	11.6	21.4

409927 2006 UY_8 2 19.9 51°.28 9°.5/13.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 12	10 43.39	+31 3.6	1.408	2.225	17.8	20.5
1 22	10 38.76	+32 31.6	1.373	2.252	14.4	20.4
2 1	10 30.63	+33 53.1	1.358	2.280	11.3	20.3
2 11	10 20.04	+34 55.3	1.368	2.309	9.6	20.2
2 21	10 8.51	+35 28.6	1.402	2.337	10.1	20.3
3 2	9 57.77	+35 28.8	1.460	2.366	12.4	20.5
3 12	9 49.26	+34 57.8	1.541	2.395	15.2	20.8
3 22	9 43.77	+34 1.5	1.642	2.424	17.8	21.0

319623 2006 ST_{303} 2 19.9 40°.29 0°.6/20.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 33.74	+ 6 37.2	1.572	2.357	17.7	21.4
1 22	10 30.86	+ 7 1.5	1.493	2.363	14.1	21.1
2 1	10 25.27	+ 7 44.4	1.435	2.369	9.7	20.9
2 11	10 17.59	+ 8 42.0	1.401	2.376	4.9	20.6
2 21	10 8.81	+ 9 47.6	1.394	2.383	0.7	20.3
3 2	10 0.14	+10 53.2	1.414	2.390	5.5	20.7
3 12	9 52.82	+11 51.1	1.461	2.397	10.2	21.0
3 22	9 47.74	+12 36.0	1.531	2.404	14.3	21.2

259243 2003 BF_{67} 2 19.9 27°.35 0°.5/19.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 34.18	+10 33.1	1.293	2.104	19.4	20.1
1 22	10 31.62	+10 46.0	1.231	2.117	15.3	19.8
2 1	10 25.93	+11 15.0	1.189	2.132	10.3	19.6
2 11	10 17.92	+11 54.6	1.170	2.147	4.9	19.3
2 21	10 8.78	+12 37.4	1.176	2.164	1.0	19.1
3 2	9 59.99	+13 15.6	1.207	2.182	6.4	19.5
3 12	9 52.93	+13 42.7	1.263	2.200	11.4	19.8
3 22	9 48.48	+13 55.7	1.341	2.219	15.7	20.1

424130 2007 EG_{221} 2 19.9 263°.21 1°.5/18.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 34.16	+12 27.8	2.107	2.890	13.8	21.5
1 22	10 30.71	+13 10.5	2.003	2.875	10.9	21.3
2 1	10 24.99	+14 5.2	1.921	2.859	7.4	21.0
2 11	10 17.44	+15 7.1	1.867	2.843	3.5	20.8
2 21	10 8.83	+16 10.2	1.841	2.827	1.9	20.6
3 2	10 0.10	+17 7.7	1.845	2.811	5.6	20.8
3 12	9 52.29	+17 54.3	1.877	2.794	9.6	21.0
3 22	9 46.23	+18 26.4	1.933	2.778	13.1	21.2

57243 2001 QH_{84} 2 19.9 40°.49 4°.3/17.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 43.46	+21 52.0	1.629	2.430	16.5	18.3
1 22	10 38.40	+22 5.6	1.558	2.437	13.0	18.1
2 1	10 30.31	+22 21.3	1.507	2.445	9.0	17.8
2 11	10 19.95	+22 32.0	1.482	2.453	5.3	17.6
2 21	10 8.53	+22 31.3	1.485	2.461	4.7	17.6
3 2	9 57.48	+22 14.9	1.515	2.470	7.9	17.8
3 12	9 48.15	+21 41.7	1.571	2.479	11.8	18.1
3 22	9 41.42	+20 53.6	1.651	2.488	15.3	18.3

384561 2010 FH_{55} 2 19.9 271°.30 1°.7/18.0 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 32.31	+12 44.9	2.440	3.220	12.3	21.2
1 22	10 28.98	+13 39.5	2.327	3.198	9.6	21.0
2 1	10 23.67	+14 45.5	2.238	3.176	6.5	20.8
2 11	10 16.77	+15 58.3	2.177	3.154	3.2	20.5
2 21	10 8.92	+17 12.2	2.146	3.131	2.0	20.4
3 2	10 0.91	+18 20.9	2.146	3.108	5.3	20.6
3 12	9 53.63	+19 19.0	2.173	3.085	8.8	20.7
3 22	9 47.82	+20 3.2	2.227	3.061	12.0	20.9

301651 2010 EQ_{109} 2 19.9 266°.42 0°.9/20.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 35.80	+ 6 19.8	1.569	2.350	17.9	21.9
1 22	10 32.81	+ 6 37.8	1.469	2.336	14.4	21.6
2 1	10 26.89	+ 7 15.4	1.389	2.321	10.2	21.3
2 11	10 18.53	+ 8 9.8	1.333	2.307	5.2	21.0
2 21	10 8.68	+ 9 15.1	1.303	2.292	0.9	20.6
3 2	9 58.63	+10 23.2	1.301	2.277	5.9	20.9
3 12	9 49.81	+11 25.4	1.325	2.261	11.1	21.2
3 22	9 43.34	+12 15.3	1.373	2.246	15.7	21.4

88164 2000 XC_{24} 2 19.9 88°.02 1°.8/21.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 38.86	+ 5 36.9	2.027	2.781	15.3	19.5
1 22	10 34.05	+ 5 25.0	1.951	2.800	12.2	19.3
2 1	10 26.97	+ 5 26.1	1.897	2.818	8.6	19.1
2 11	10 18.26	+ 5 38.4	1.869	2.837	4.7	18.9
2 21	10 8.75	+ 5 58.5	1.869	2.855	1.8	18.8
3 2	9 59.46	+ 6 22.2	1.899	2.873	4.5	19.0
3 12	9 51.36	+ 6 45.2	1.958	2.891	8.2	19.2
3 22	9 45.15	+ 7 3.8	2.042	2.909	11.6	19.5

12594 1999 RU_{145} 2 19.9 168°.34 1°.6/21.5 18 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 34.78	+ 3 45.8	2.505	3.245	13.0	19.6
1 22	10 30.59	+ 3 57.9	2.409	3.249	10.5	19.4
2 1	10 24.54	+ 4 23.2	2.335	3.253	7.5	19.2
2 11	10 17.09	+ 4 59.9	2.289	3.256	4.2	19.0
2 21	10 8.89	+ 5 44.5	2.272	3.258	1.6	18.9
3 2	10 0.72	+ 6 32.8	2.286	3.260	3.9	19.0
3 12	9 53.38	+ 7 20.1	2.330	3.262	7.2	19.2
3 22	9 47.48	+ 8 2.3	2.400	3.263	10.2	19.4

408995 2002 UZ_{36} 2 19.9 106°.26 6°.3/14.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 12	10 45.18	+28 29.8	2.144	2.930	13.5	22.7
1 22	10 38.98	+29 38.8	2.092	2.958	10.8	22.5
2 1	10 30.26	+30 45.0	2.065	2.985	8.1	22.4
2 11	10 19.78	+31 40.1	2.066	3.012	6.5	22.4
2 21	10 8.57	+32 17.2	2.095	3.037	6.8	22.4
3 2	9 57.79	+32 32.3	2.153	3.062	8.8	22.6
3 12	9 48.51	+32 25.1	2.238	3.086	11.3	22.8
3 22	9 41.45	+31 58.2	2.345	3.110	13.6	23.0

341656 2007 VQ_{59} 2 19.9 155°.44 0°.9/20.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 33.59	+ 6 15.7	2.743	3.491	11.9	21.8
1 22	10 29.47	+ 6 28.0	2.649	3.497	9.4	21.7
2 1	10 23.68	+ 6 50.9	2.579	3.502	6.6	21.5
2 11	10 16.64	+ 7 22.1	2.536	3.507	3.4	21.3
2 21	10 8.96	+ 7 58.5	2.524	3.511	0.9	21.1
3 2	10 1.32	+ 8 36.5	2.542	3.516	3.5	21.3
3 12	9 54.44	+ 9 12.1	2.590	3.519	6.7	21.5
3 22	9 48.87	+ 9 42.4	2.665	3.523	9.5	21.7

121001 Liangshanxichang 2 19.9 36°.29 2°.9/17.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 35.35	+13 42.5	1.248	2.067	19.5	19.7
1 22	10 32.85	+14 34.8	1.182	2.074	15.2	19.5
2 1	10 26.99	+15 43.3	1.136	2.082	10.2	19.2
2 11	10 18.52	+16 59.2	1.113	2.090	5.0	19.0
2 21	10 8.71	+18 11.6	1.115	2.099	3.5	18.9
3 2	9 59.15	+19 10.2	1.142	2.108	8.2	19.2
3 12	9 51.39	+19 47.9	1.193	2.118	13.1	19.5
3 22	9 46.48	+20 2.8	1.265	2.128	17.5	19.8

8103 Fermi 2 19.9 265°.77 1°.9/21.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 31.58	+ 2 46.9	2.247	2.997	14.1	18.4
1 22	10 28.39	+ 3 4.0	2.147	2.993	11.4	18.2
2 1	10 23.22	+ 3 37.1	2.070	2.989	8.2	18.0
2 11	10 16.52	+ 4 24.2	2.019	2.985	4.7	17.8
2 21	10 8.97	+ 5 21.6	1.996	2.981	1.9	17.6
3 2	10 1.40	+ 6 24.0	2.003	2.978	4.2	17.8
3 12	9 54.68	+ 7 25.5	2.038	2.974	7.8	18.0
3 22	9 49.50	+ 8 21.0	2.099	2.970	11.1	18.2

135509 2001 XP_{233} 2 19.9 157°.50 0°.2/20.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 33.04	+ 8 17.9	3.097	3.847	10.6	21.2
1 22	10 28.83	+ 8 39.2	3.003	3.854	8.3	21.1
2 1	10 23.14	+ 9 9.2	2.934	3.860	5.7	20.9
2 11	10 16.35	+ 9 45.4	2.894	3.867	2.8	20.7
2 21	10 9.00	+10 24.5	2.884	3.872	0.4	20.5
3 2	10 1.71	+11 3.3	2.906	3.878	3.3	20.8
3 12	9 55.07	+11 38.3	2.958	3.883	6.1	21.0
3 22	9 49.60	+12 7.1	3.037	3.887	8.7	21.2

243178 2007 TW_{147} 2 19.9 175°.47 3°.9/15.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 35.91	+22 19.5	2.534	3.323	11.6	20.8
1 22	10 31.57	+23 10.3	2.450	3.325	9.1	20.7
2 1	10 25.24	+24 3.8	2.392	3.326	6.4	20.5
2 11	10 17.44	+24 54.3	2.362	3.327	4.3	20.4
2 21	10 8.87	+25 36.2	2.361	3.327	4.3	20.4
3 2	10 0.38	+26 5.0	2.390	3.327	6.6	20.5
3 12	9 52.82	+26 18.4	2.447	3.327	9.2	20.7
3 22	9 46.86	+26 15.9	2.527	3.327	11.8	20.8

46539 Viktortikhonov 2 19.9 90°.51 0°.2/20.0 18 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 39.99	+10 25.9	1.734	2.512	16.5	18.0
1 22	10 35.55	+10 17.3	1.648	2.515	13.1	17.8
2 1	10 28.36	+10 20.0	1.583	2.517	9.1	17.5
2 11	10 19.07	+10 30.6	1.544	2.519	4.4	17.2
2 21	10 8.66	+10 45.0	1.533	2.522	0.5	16.9
3 2	9 58.36	+10 58.3	1.550	2.524	5.4	17.3
3 12	9 49.42	+11 6.2	1.595	2.526	9.9	17.6
3 22	9 42.72	+11 6.0	1.663	2.528	13.9	17.8

209898 2005 MY_{20} 2 19.9 227°.48 0°.9/20.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 31.13	+ 4 56.1	2.769	3.516	11.8	21.0
1 22	10 27.66	+ 5 26.1	2.661	3.508	9.4	20.8
2 1	10 22.53	+ 6 8.8	2.577	3.499	6.6	20.6
2 11	10 16.14	+ 7 1.8	2.520	3.490	3.5	20.4
2 21	10 9.04	+ 8 1.5	2.494	3.481	0.9	20.1
3 2	10 1.88	+ 9 3.4	2.498	3.472	3.6	20.3
3 12	9 55.39	+10 2.7	2.532	3.462	6.8	20.5
3 22	9 50.14	+10 55.4	2.593	3.452	9.7	20.7

158492 2002 EM_{31} 2 19.9 5°.11 7°.5/25.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 26.79	− 5 13.0	1.264	2.033	22.1	18.9
1 22	10 26.04	− 6 0.8	1.189	2.032	18.8	18.7
2 1	10 22.35	− 6 19.6	1.130	2.034	14.9	18.4
2 11	10 16.33	− 6 6.3	1.091	2.037	10.8	18.2
2 21	10 9.00	− 5 22.3	1.074	2.042	7.8	18.1
3 2	10 1.74	− 4 13.4	1.081	2.049	8.1	18.1
3 12	9 55.94	− 2 50.4	1.110	2.057	11.4	18.3
3 22	9 52.61	− 1 25.0	1.161	2.068	15.3	18.5

171191 2005 JT_{22} 2 19.9 197°.90 0°.9/18.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 12	10 33.84	+12 10.1	2.433	3.207	12.5	20.7
1 22	10 29.98	+12 38.1	2.339	3.206	9.8	20.5
2 1	10 24.19	+13 15.2	2.269	3.205	6.6	20.3
2 11	10 16.96	+13 57.4	2.227	3.203	3.1	20.1
2 21	10 8.94	+14 40.3	2.214	3.201	1.2	19.9
3 2	10 0.96	+15 19.2	2.231	3.199	4.6	20.2
3 12	9 53.83	+15 50.1	2.277	3.197	8.0	20.4
3 22	9 48.21	+16 10.6	2.349	3.195	11.0	20.6

416074 2002 NL_{39} 2 19.9 208°.12 9°.8/27.7 16

1 12	10 40.07	−16 39.9	2.293	2.909	17.1	21.4
1 22	10 35.28	−18 1.9	2.186	2.903	15.4	21.3
2 1	10 28.10	−19 3.8	2.097	2.897	13.4	21.1
2 11	10 18.99	−19 41.0	2.030	2.889	11.5	20.9
2 21	10 8.67	−19 50.4	1.987	2.882	10.1	20.8
3 2	9 58.12	−19 31.8	1.971	2.873	9.9	20.8
3 12	9 48.43	−18 49.0	1.980	2.864	11.0	20.9
3 22	9 40.49	−17 48.7	2.015	2.854	12.9	21.0

271883 2004 VA_{2} 2 19.9 137°.32 4°.6/15.7 18

1 12	10 40.35	+24 14.0	2.289	3.078	12.7	20.5
1 22	10 35.17	+24 58.4	2.215	3.087	10.0	20.3
2 1	10 27.73	+25 43.7	2.165	3.095	7.2	20.2
2 11	10 18.63	+26 23.4	2.142	3.104	4.9	20.0
2 21	10 8.74	+26 51.6	2.149	3.112	5.0	20.0
3 2	9 59.06	+27 4.2	2.185	3.119	7.3	20.2
3 12	9 50.56	+26 59.4	2.249	3.127	10.1	20.4
3 22	9 43.95	+26 38.2	2.336	3.133	12.7	20.6

500772 2013 CQ_{145} 2 19.9 265°.57 2°.2/18.2 17

1 12	10 37.08	+13 18.5	1.690	2.484	16.3	21.9
1 22	10 33.71	+14 2.2	1.588	2.466	12.9	21.6
2 1	10 27.46	+15 0.2	1.507	2.447	8.8	21.3
2 11	10 18.82	+16 6.7	1.451	2.427	4.3	21.0
2 21	10 8.69	+17 13.9	1.423	2.408	2.6	20.9
3 2	9 58.34	+18 13.0	1.423	2.388	7.0	21.1
3 12	9 49.17	+18 57.1	1.449	2.367	11.7	21.3
3 22	9 42.27	+19 22.6	1.498	2.347	16.0	21.5

88798 2001 SN_{119} 2 19.9 61°.55 3°.0/21.8 18

1 12	10 37.27	+ 3 15.2	1.439	2.213	19.6	19.8
1 22	10 33.94	+ 3 0.4	1.358	2.217	15.9	19.6
2 1	10 27.57	+ 3 6.1	1.297	2.221	11.5	19.3
2 11	10 18.80	+ 3 31.0	1.258	2.225	6.7	19.0
2 21	10 8.71	+ 4 11.1	1.244	2.229	3.0	18.8
3 2	9 58.70	+ 4 59.6	1.257	2.233	5.9	19.0
3 12	9 50.20	+ 5 48.6	1.296	2.237	10.7	19.3
3 22	9 44.23	+ 6 31.3	1.357	2.241	15.2	19.6

272490 2005 UN_{130} 2 19.9 136°.32 4°.5/14.9 18

1 12	10 38.29	+23 6.1	2.479	3.266	11.9	21.8
1 22	10 33.42	+24 21.1	2.410	3.282	9.3	21.6
2 1	10 26.48	+25 38.5	2.367	3.297	6.6	21.5
2 11	10 18.03	+26 51.5	2.352	3.312	4.7	21.4
2 21	10 8.82	+27 53.4	2.367	3.325	5.0	21.4
3 2	9 59.77	+28 39.3	2.413	3.338	7.1	21.6
3 12	9 51.75	+29 6.8	2.485	3.351	9.7	21.7
3 22	9 45.43	+29 15.9	2.582	3.362	12.1	21.9

146971 2002 NY_{10} 2 19.9 148°.42 1°.6/18.6 18

1 12	10 40.38	+11 28.6	1.773	2.553	16.2	21.2
1 22	10 35.77	+12 22.2	1.695	2.564	12.7	20.9
2 1	10 28.47	+13 29.9	1.638	2.575	8.5	20.7
2 11	10 19.12	+14 45.5	1.608	2.584	4.0	20.5
2 21	10 8.68	+16 0.7	1.607	2.593	2.0	20.3
3 2	9 58.38	+17 7.6	1.635	2.601	6.2	20.6
3 12	9 49.44	+18 0.0	1.692	2.608	10.5	20.9
3 22	9 42.73	+18 34.9	1.772	2.614	14.2	21.1

35107 1991 VH 2 19.9 151°.00 6°.6/15.8 18

1 12	10 46.80	− 4 21.1	0.388	1.249	40.0	16.7
1 22	10 46.61	+ 0 17.2	0.348	1.263	31.6	16.3
2 1	10 39.52	+ 6 56.3	0.318	1.275	20.9	15.8
2 11	10 25.81	+15 8.0	0.304	1.285	9.4	15.3
2 21	10 7.75	+23 26.5	0.310	1.293	9.6	15.3
3 2	9 49.79	+30 13.5	0.335	1.298	20.5	15.9
3 12	9 36.59	+34 45.7	0.375	1.301	30.0	16.4
3 22	9 30.51	+37 17.1	0.425	1.301	37.2	16.9

81443 2000 GV_{114} 2 19.9 8°.80 0°.5/19.5 18 R

1 12	10 35.99	+10 48.7	1.605	2.398	17.0	19.1
1 22	10 32.66	+11 2.0	1.523	2.399	13.5	18.9
2 1	10 26.55	+11 28.8	1.461	2.399	9.2	18.6
2 11	10 18.26	+12 4.8	1.424	2.400	4.4	18.4
2 21	10 8.80	+12 43.9	1.413	2.402	0.9	18.1
3 2	9 59.44	+13 19.6	1.430	2.403	5.9	18.4
3 12	9 51.45	+13 46.0	1.474	2.405	10.5	18.7
3 22	9 45.75	+14 0.1	1.540	2.407	14.6	19.0

112048 2002 JL_{8} 2 19.9 188°.27 2°.6/17.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 12	10 35.80	+13 34.1	1.723	2.518	15.9	20.0
1 22	10 32.42	+14 35.3	1.639	2.518	12.5	19.7
2 1	10 26.34	+15 50.4	1.577	2.518	8.4	19.5
2 11	10 18.17	+17 12.2	1.541	2.517	4.2	19.2
2 21	10 8.81	+18 32.1	1.533	2.516	3.0	19.1
3 2	9 59.50	+19 41.4	1.554	2.515	6.9	19.4
3 12	9 51.45	+20 33.6	1.601	2.514	11.2	19.6
3 22	9 45.58	+21 5.9	1.670	2.513	14.9	19.8

505291 2012 VU_{107} 2 19.9 228°.89 4°.8/25.1 17

1 12	10 32.12	− 6 54.3	2.756	3.440	13.2	21.4
1 22	10 28.48	− 7 13.3	2.645	3.432	11.3	21.2
2 1	10 23.13	− 7 16.2	2.555	3.424	9.0	21.0
2 11	10 16.47	− 7 2.1	2.490	3.416	6.7	20.9
2 21	10 9.05	− 6 32.1	2.452	3.408	5.0	20.7
3 2	10 1.58	− 5 48.6	2.444	3.399	5.2	20.7
3 12	9 54.75	− 4 55.9	2.464	3.391	7.1	20.8
3 22	9 49.19	− 3 59.0	2.511	3.382	9.5	21.0

258580 2002 CS_{153} 2 19.9 291°.06 1°.0/19.1 16

1 12	10 34.35	+10 10.7	1.515	2.313	17.6	21.2
1 22	10 31.84	+10 45.9	1.415	2.295	14.1	21.0
2 1	10 26.35	+11 39.3	1.336	2.277	9.7	20.6
2 11	10 18.36	+12 46.2	1.281	2.259	4.6	20.3
2 21	10 8.79	+13 58.9	1.253	2.241	1.5	20.0
3 2	9 59.01	+15 7.9	1.251	2.223	6.7	20.3
3 12	9 50.48	+16 4.7	1.275	2.205	12.0	20.6
3 22	9 44.37	+16 43.7	1.320	2.187	16.6	20.8

252326 2001 SC_{28} 2 19.9 37°.72 2°.3/18.1 18

1 12	10 36.29	+14 46.6	1.713	2.511	15.9	20.4
1 22	10 32.73	+15 21.4	1.633	2.513	12.5	20.2
2 1	10 26.50	+16 6.7	1.575	2.516	8.4	20.0
2 11	10 18.21	+16 56.4	1.543	2.519	4.2	19.7
2 21	10 8.84	+17 43.3	1.538	2.522	2.7	19.6
3 2	9 59.60	+18 20.6	1.561	2.526	6.6	19.9
3 12	9 51.70	+18 43.7	1.610	2.529	10.8	20.1
3 22	9 45.99	+18 50.7	1.683	2.533	14.5	20.4

166742 2002 TO_{297} 2 19.9 200°.88 1°.6/18.3 18

1 12	10 34.78	+14 31.3	2.600	3.375	11.7	20.7
1 22	10 30.62	+15 3.6	2.504	3.372	9.1	20.5
2 1	10 24.59	+15 43.0	2.433	3.369	6.2	20.3
2 11	10 17.17	+16 25.5	2.390	3.365	3.0	20.1
2 21	10 8.99	+17 6.6	2.377	3.361	1.9	20.0
3 2	10 0.83	+17 41.9	2.394	3.357	4.8	20.2
3 12	9 53.48	+18 7.9	2.441	3.352	7.9	20.4
3 22	9 47.58	+18 22.7	2.513	3.347	10.8	20.6

30867 1992 EL_{9} 2 19.9 46°.35 1°.7/18.2 18

1 12	10 32.32	+13 12.2	2.066	2.856	13.8	18.5
1 22	10 29.08	+13 58.0	1.991	2.867	10.8	18.4
2 1	10 23.71	+14 54.0	1.939	2.879	7.2	18.2
2 11	10 16.77	+15 54.7	1.914	2.891	3.4	17.9
2 21	10 9.05	+16 54.0	1.918	2.903	2.1	17.9
3 2	10 1.47	+17 45.8	1.950	2.915	5.5	18.1
3 12	9 54.94	+18 25.6	2.010	2.928	9.0	18.4
3 22	9 50.14	+18 51.0	2.095	2.940	12.2	18.6

96543 1998 SE_{48} 2 19.9 217°.64 5°.2/15.1 18

1 12	10 39.48	+26 5.1	2.315	3.106	12.5	20.0
1 22	10 34.66	+26 52.0	2.230	3.102	10.0	19.8
2 1	10 27.52	+27 39.0	2.169	3.097	7.3	19.7
2 11	10 18.63	+28 19.5	2.136	3.092	5.4	19.5
2 21	10 8.82	+28 47.3	2.132	3.087	5.7	19.5
3 2	9 59.12	+28 57.9	2.156	3.082	7.8	19.7
3 12	9 50.54	+28 49.7	2.207	3.077	10.6	19.8
3 22	9 43.84	+28 23.6	2.281	3.071	13.2	20.0

523512 2017 NQ_{4} 2 19.9 275°.73 2°.9/17.1 17

1 12	10 32.90	+13 12.4	1.863	2.659	14.9	21.3
1 22	10 30.16	+14 34.4	1.760	2.641	11.7	21.1
2 1	10 24.90	+16 12.9	1.681	2.622	7.9	20.8
2 11	10 17.56	+18 1.1	1.628	2.604	4.1	20.5
2 21	10 8.93	+19 49.8	1.604	2.585	3.4	20.4
3 2	10 0.10	+21 28.7	1.608	2.566	7.2	20.6
3 12	9 52.26	+22 49.7	1.640	2.547	11.4	20.8
3 22	9 46.38	+23 48.5	1.695	2.528	15.2	21.0

18227 1222 T-1 2 19.9 156°.87 1°.8/18.5 18

1 12	10 42.13	+15 6.0	2.178	2.950	13.8	19.2
1 22	10 36.62	+15 28.2	2.093	2.958	10.8	19.0
2 1	10 28.78	+15 57.5	2.032	2.966	7.3	18.8
2 11	10 19.21	+16 29.1	1.998	2.973	3.6	18.6
2 21	10 8.76	+16 57.9	1.995	2.980	2.0	18.5
3 2	9 58.45	+17 19.2	2.022	2.985	5.4	18.7
3 12	9 49.32	+17 29.9	2.078	2.990	9.1	19.0
3 22	9 42.09	+17 28.8	2.159	2.994	12.3	19.2

96412 1998 EC_{14} 2 19.9 15°.59 3°.4/17.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 12	10 36.52	+16 31.2	1.231	2.055	19.4	18.5
1 22	10 33.89	+16 58.8	1.164	2.058	15.3	18.2
2 1	10 27.78	+17 37.4	1.116	2.063	10.4	18.0
2 11	10 18.98	+18 19.0	1.091	2.068	5.3	17.7
2 21	10 8.79	+18 54.5	1.090	2.074	3.8	17.6
3 2	9 58.88	+19 15.7	1.115	2.081	8.3	17.9
3 12	9 50.87	+19 18.1	1.162	2.089	13.3	18.2
3 22	9 45.79	+19 1.2	1.231	2.097	17.6	18.5

69473 1996 XO_1 2 19.9 28°.08 3°.0/21.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 36.40	+ 3 47.6	1.472	2.247	19.1	18.5
1 22	10 33.19	+ 3 26.4	1.391	2.251	15.6	18.2
2 1	10 27.03	+ 3 24.0	1.331	2.255	11.3	18.0
2 11	10 18.57	+ 3 39.5	1.293	2.260	6.5	17.7
2 21	10 8.85	+ 4 9.1	1.280	2.265	3.0	17.5
3 2	9 59.23	+ 4 47.0	1.294	2.270	5.8	17.7
3 12	9 51.08	+ 5 26.0	1.334	2.276	10.4	18.0
3 22	9 45.37	+ 6 0.0	1.397	2.282	14.7	18.2

433249 2012 VL_{101} 2 19.9 203°.20 1°.1/21.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 32.74	+ 4 57.3	2.982	3.721	11.2	22.6
1 22	10 28.78	+ 5 16.6	2.874	3.716	9.0	22.4
2 1	10 23.24	+ 5 46.9	2.791	3.710	6.3	22.3
2 11	10 16.51	+ 6 26.3	2.736	3.704	3.4	22.1
2 21	10 9.12	+ 7 11.8	2.711	3.698	1.1	21.9
3 2	10 1.70	+ 7 59.6	2.717	3.691	3.3	22.0
3 12	9 54.92	+ 8 45.9	2.754	3.683	6.3	22.2
3 22	9 49.30	+ 9 27.1	2.818	3.675	9.0	22.4

467519 2007 GK_3 2 19.9 326°.96 6°.2/25.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 30.36	− 7 53.5	1.842	2.556	17.9	21.2
1 22	10 28.00	− 8 4.2	1.743	2.550	15.4	21.0
2 1	10 23.29	− 7 49.3	1.663	2.544	12.3	20.8
2 11	10 16.73	− 7 7.2	1.605	2.539	9.0	20.6
2 21	10 9.08	− 5 59.7	1.572	2.534	6.5	20.4
3 2	10 1.35	− 4 31.8	1.566	2.529	6.7	20.4
3 12	9 54.63	− 2 52.2	1.587	2.525	9.4	20.5
3 22	9 49.77	− 1 10.3	1.632	2.521	12.8	20.7

505740 2015 BK_{40} 2 19.9 239°.25 0°.9/20.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 38.45	+ 8 38.8	2.081	2.845	14.6	21.2
1 22	10 33.96	+ 8 27.1	1.984	2.841	11.7	21.0
2 1	10 27.13	+ 8 25.7	1.909	2.836	8.2	20.7
2 11	10 18.50	+ 8 32.7	1.860	2.832	4.2	20.5
2 21	10 8.87	+ 8 44.7	1.840	2.828	0.9	20.2
3 2	9 59.25	+ 8 57.9	1.849	2.823	4.6	20.5
3 12	9 50.67	+ 9 8.6	1.887	2.819	8.6	20.7
3 22	9 43.95	+ 9 13.8	1.951	2.814	12.2	20.9

372474 2009 SW_{184} 2 19.9 165°.43 0°.9/20.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 36.09	+ 7 15.7	1.979	2.746	15.2	21.6
1 22	10 32.19	+ 7 20.9	1.889	2.747	12.1	21.4
2 1	10 25.96	+ 7 39.5	1.820	2.748	8.5	21.2
2 11	10 17.94	+ 8 8.9	1.776	2.749	4.3	20.9
2 21	10 8.94	+ 8 44.7	1.761	2.749	0.9	20.7
3 2	9 59.98	+ 9 22.0	1.775	2.750	4.7	20.9
3 12	9 52.11	+ 9 55.5	1.817	2.750	8.8	21.2
3 22	9 46.10	+10 21.4	1.884	2.751	12.4	21.4

28987 2001 MP_{14} 2 19.9 223°.57 1°.7/21.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 38.06	+ 5 2.9	1.689	2.456	17.4	20.1
1 22	10 34.30	+ 5 9.3	1.592	2.449	14.1	19.9
2 1	10 27.76	+ 5 33.9	1.516	2.442	10.0	19.6
2 11	10 18.95	+ 6 14.3	1.464	2.434	5.4	19.3
2 21	10 8.80	+ 7 5.8	1.439	2.426	1.7	19.0
3 2	9 58.56	+ 8 1.9	1.442	2.417	5.4	19.3
3 12	9 49.53	+ 8 55.1	1.473	2.408	10.2	19.5
3 22	9 42.73	+ 9 39.6	1.527	2.399	14.5	19.7

416866 2005 NX_{92} 2 19.9 170°.22 1°.1/18.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 36.71	+11 49.4	2.107	2.883	14.1	21.9
1 22	10 32.55	+12 25.4	2.018	2.886	11.0	21.7
2 1	10 26.13	+13 12.5	1.953	2.889	7.5	21.5
2 11	10 18.00	+14 6.0	1.915	2.891	3.5	21.3
2 21	10 8.94	+15 0.1	1.905	2.892	1.5	21.1
3 2	9 59.93	+15 48.9	1.926	2.893	5.2	21.4
3 12	9 51.98	+16 27.7	1.975	2.894	9.0	21.6
3 22	9 45.82	+16 53.5	2.049	2.894	12.4	21.8

458590 2011 FB_{27} 2 19.9 183°.76 0°.0/19.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 32.68	+ 7 21.9	2.653	3.409	12.0	21.9
1 22	10 28.94	+ 8 9.5	2.554	3.409	9.5	21.7
2 1	10 23.45	+ 9 9.5	2.480	3.409	6.5	21.5
2 11	10 16.65	+10 18.6	2.434	3.408	3.1	21.3
2 21	10 9.11	+11 31.9	2.419	3.407	0.4	21.1
3 2	10 1.57	+12 44.1	2.434	3.406	3.9	21.4
3 12	9 54.76	+13 50.0	2.480	3.403	7.2	21.6
3 22	9 49.28	+14 46.0	2.552	3.401	10.2	21.7

395747 2012 UR_{162} 2 19.9 96°.32 1°.1/20.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 12	10 40.14	+ 6 16.7	1.448	2.227	19.2	21.7
1 22	10 36.02	+ 6 30.0	1.379	2.244	15.3	21.5
2 1	10 28.85	+ 7 2.4	1.330	2.261	10.7	21.3
2 11	10 19.38	+ 7 50.1	1.304	2.277	5.4	21.0
2 21	10 8.77	+ 8 46.2	1.305	2.294	1.1	20.7
3 2	9 58.45	+ 9 42.7	1.334	2.309	5.7	21.1
3 12	9 49.79	+10 32.2	1.389	2.325	10.7	21.4
3 22	9 43.70	+11 9.6	1.467	2.340	14.9	21.7

341628 2007 VY_8 2 19.9 108°.42 3°.9/23.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 32.92	− 2 53.1	2.459	3.172	13.9	21.3
1 22	10 29.20	− 3 6.0	2.366	3.179	11.6	21.1
2 1	10 23.66	− 3 2.7	2.295	3.187	8.9	20.9
2 11	10 16.74	− 2 43.5	2.248	3.194	6.0	20.8
2 21	10 9.11	− 2 10.3	2.230	3.201	4.0	20.6
3 2	10 1.51	− 1 26.6	2.241	3.208	4.7	20.7
3 12	9 54.74	− 0 37.3	2.281	3.215	7.2	20.9
3 22	9 49.39	+ 0 12.7	2.347	3.221	10.0	21.0

73607 4092 $T\text{-}_2$ 2 19.9 108°.66 2°.9/16.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 38.56	+19 18.5	2.525	3.305	11.9	20.2
1 22	10 33.43	+19 59.6	2.458	3.328	9.2	20.1
2 1	10 26.39	+20 44.3	2.415	3.350	6.3	19.9
2 11	10 17.99	+21 27.3	2.401	3.371	3.6	19.8
2 21	10 8.97	+22 3.6	2.417	3.392	3.2	19.8
3 2	10 0.18	+22 29.4	2.464	3.413	5.6	20.0
3 12	9 52.42	+22 42.2	2.539	3.433	8.4	20.2
3 22	9 46.28	+22 41.8	2.639	3.452	11.0	20.4

93999 2000 XZ_{20} 2 19.9 60°.26 3°.8/17.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 38.87	+19 57.3	1.845	2.643	14.9	19.5
1 22	10 34.54	+20 30.9	1.771	2.651	11.7	19.3
2 1	10 27.59	+21 9.2	1.720	2.658	8.0	19.1
2 11	10 18.71	+21 45.4	1.694	2.666	4.7	18.9
2 21	10 8.87	+22 13.1	1.697	2.674	4.2	18.9
3 2	9 59.26	+22 26.9	1.728	2.682	7.2	19.1
3 12	9 51.03	+22 24.3	1.786	2.689	10.8	19.3
3 22	9 44.97	+22 5.5	1.866	2.697	14.1	19.5

285574 2000 QG_{20} 2 19.9 172°.89 0°.2/20.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 38.99	+ 7 52.6	2.256	3.010	13.9	22.6
1 22	10 34.16	+ 8 22.0	2.162	3.015	11.0	22.4
2 1	10 27.15	+ 9 4.2	2.091	3.018	7.6	22.1
2 11	10 18.48	+ 9 55.9	2.048	3.021	3.7	21.9
2 21	10 8.91	+10 51.9	2.035	3.023	0.4	21.6
3 2	9 59.37	+11 46.9	2.053	3.024	4.5	22.0
3 12	9 50.81	+12 35.5	2.100	3.024	8.3	22.2
3 22	9 43.97	+13 14.2	2.174	3.024	11.6	22.4

145721 1993 PG 2 19.9 346°.36 4°.3/23.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 35.77	− 1 43.5	2.422	3.136	14.1	19.9
1 22	10 31.52	− 2 26.6	2.321	3.135	11.8	19.7
2 1	10 25.30	− 2 56.1	2.243	3.134	9.1	19.5
2 11	10 17.58	− 3 11.4	2.189	3.133	6.3	19.4
2 21	10 9.02	− 3 12.9	2.164	3.132	4.4	19.2
3 2	10 0.44	− 3 2.9	2.169	3.132	5.1	19.3
3 12	9 52.70	− 2 44.8	2.202	3.131	7.7	19.4
3 22	9 46.46	− 2 22.7	2.261	3.131	10.5	19.6

234167 2000 KV_{69} 2 19.9 217°.08 0°.6/20.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 38.88	+ 6 57.8	2.146	2.901	14.5	22.0
1 22	10 34.36	+ 7 20.5	2.038	2.890	11.6	21.8
2 1	10 27.49	+ 7 57.5	1.953	2.879	8.1	21.5
2 11	10 18.74	+ 8 46.0	1.894	2.867	4.1	21.2
2 21	10 8.87	+ 9 41.3	1.865	2.854	0.6	20.9
3 2	9 58.87	+10 37.5	1.866	2.839	4.7	21.2
3 12	9 49.80	+11 28.8	1.897	2.824	8.8	21.4
3 22	9 42.52	+12 10.8	1.953	2.808	12.6	21.6

491069 2011 QY_{90} 2 19.9 202°.42 2°.5/22.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 33.35	+ 1 40.5	2.612	3.343	12.8	22.1
1 22	10 29.47	+ 1 32.0	2.510	3.341	10.4	21.9
2 1	10 23.82	+ 1 36.2	2.431	3.339	7.7	21.7
2 11	10 16.84	+ 1 52.4	2.379	3.338	4.7	21.5
2 21	10 9.12	+ 2 18.2	2.355	3.336	2.6	21.4
3 2	10 1.40	+ 2 50.5	2.361	3.334	3.9	21.4
3 12	9 54.42	+ 3 25.3	2.397	3.331	6.9	21.6
3 22	9 48.80	+ 3 58.8	2.460	3.329	9.8	21.8

214087 2004 JC_6 2 19.9 311°.70 5°.5/26.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 28.57	−11 7.7	2.258	2.938	15.8	19.8
1 22	10 26.20	−10 40.8	2.142	2.924	13.7	19.6
2 1	10 21.88	− 9 47.2	2.046	2.911	11.1	19.4
2 11	10 16.01	− 8 26.0	1.972	2.897	8.3	19.2
2 21	10 9.22	− 6 39.4	1.926	2.884	6.0	19.0
3 2	10 2.33	− 4 33.1	1.909	2.871	5.8	19.0
3 12	9 56.21	− 2 15.9	1.921	2.858	8.1	19.1
3 22	9 51.58	+ 0 2.5	1.961	2.846	11.2	19.2

462024 2007 BZ_{16} 2 19.9 346°.52 3°.4/21.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 12	10 41.08	+ 5 55.7	1.574	2.344	18.4	20.4
1 22	10 36.82	+ 4 53.3	1.483	2.338	15.0	20.1
2 1	10 29.53	+ 4 2.5	1.411	2.334	10.9	19.9
2 11	10 19.83	+ 3 23.5	1.364	2.330	6.5	19.6
2 21	10 8.75	+ 2 55.9	1.343	2.326	3.4	19.4
3 2	9 57.66	+ 2 37.5	1.350	2.324	6.1	19.6
3 12	9 48.00	+ 2 24.9	1.384	2.322	10.5	19.8
3 22	9 40.79	+ 2 14.2	1.441	2.320	14.7	20.0

240855 2006 BS_{184} 2 19.9 309°.70 3°.2/17.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 33.57	+13 42.3	1.373	2.189	18.2	20.8
1 22	10 31.50	+14 42.8	1.287	2.177	14.4	20.5
2 1	10 26.25	+16 1.0	1.220	2.166	9.8	20.2
2 11	10 18.38	+17 29.1	1.178	2.155	4.9	19.9
2 21	10 8.92	+18 56.2	1.161	2.145	3.7	19.8
3 2	9 59.37	+20 11.0	1.171	2.135	8.3	20.1
3 12	9 51.30	+21 4.9	1.204	2.125	13.4	20.3
3 22	9 45.87	+21 34.0	1.258	2.116	17.9	20.6

307598 2003 PC 2 19.9 190°.34 2°.0/21.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 37.86	+ 3 54.7	2.712	3.440	12.4	21.3
1 22	10 32.90	+ 3 42.4	2.607	3.439	10.1	21.1
2 1	10 26.11	+ 3 40.7	2.526	3.437	7.3	20.9
2 11	10 17.94	+ 3 48.7	2.472	3.435	4.2	20.7
2 21	10 9.00	+ 4 4.3	2.448	3.432	2.0	20.6
3 2	10 0.06	+ 4 24.5	2.456	3.428	3.8	20.7
3 12	9 51.88	+ 4 46.1	2.493	3.424	6.9	20.9
3 22	9 45.10	+ 5 5.8	2.559	3.419	9.8	21.0

188251 2002 XK_{70} 2 19.9 25°.87 2°.1/18.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 34.73	+13 37.1	1.371	2.184	18.4	19.5
1 22	10 32.04	+14 7.4	1.304	2.193	14.4	19.3
2 1	10 26.29	+14 51.0	1.258	2.202	9.7	19.0
2 11	10 18.21	+15 41.0	1.235	2.213	4.6	18.8
2 21	10 8.97	+16 29.1	1.238	2.224	2.5	18.7
3 2	9 59.99	+17 7.4	1.267	2.236	7.1	19.0
3 12	9 52.67	+17 30.3	1.320	2.248	11.8	19.3
3 22	9 47.90	+17 35.8	1.395	2.262	15.9	19.6

335671 2006 TS_{91} 2 19.9 124°.12 2°.2/18.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 42.89	+13 41.6	1.523	2.314	17.9	21.9
1 22	10 38.15	+14 20.7	1.453	2.329	14.0	21.6
2 1	10 30.30	+15 12.3	1.404	2.343	9.4	21.4
2 11	10 20.10	+16 9.4	1.380	2.356	4.6	21.2
2 21	10 8.74	+17 3.4	1.384	2.369	2.6	21.1
3 2	9 57.66	+17 46.5	1.415	2.381	7.0	21.4
3 12	9 48.27	+18 13.7	1.473	2.392	11.6	21.6
3 22	9 41.52	+18 23.4	1.554	2.403	15.5	21.9

57263 2001 QM_{109} 2 19.9 83°.07 4°.3/15.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 36.04	+22 36.1	2.308	3.103	12.4	19.6
1 22	10 31.78	+23 33.7	2.244	3.120	9.7	19.5
2 1	10 25.44	+24 33.4	2.203	3.137	6.8	19.3
2 11	10 17.60	+25 29.0	2.191	3.154	4.6	19.2
2 21	10 9.06	+26 14.3	2.207	3.171	4.7	19.2
3 2	10 0.72	+26 44.7	2.252	3.188	7.0	19.4
3 12	9 53.48	+26 58.1	2.324	3.204	9.7	19.6
3 22	9 47.97	+26 54.6	2.420	3.221	12.2	19.8

69749 1998 MZ_{1} 2 19.9 278°.93 3°.9/16.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 35.54	+18 57.0	2.169	2.963	13.2	19.7
1 22	10 31.99	+20 2.2	2.057	2.935	10.4	19.5
2 1	10 26.05	+21 16.4	1.968	2.906	7.2	19.2
2 11	10 18.13	+22 33.1	1.906	2.876	4.4	19.0
2 21	10 8.96	+23 44.7	1.874	2.846	4.4	18.9
3 2	9 59.54	+24 43.8	1.870	2.816	7.4	19.0
3 12	9 50.97	+25 25.1	1.894	2.785	11.0	19.2
3 22	9 44.19	+25 46.4	1.941	2.754	14.3	19.3

152830 1999 VD_{57} 2 19.9 48°.06 1°.5/19.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 38.33	+12 2.7	1.197	2.011	20.5	20.1
1 22	10 35.30	+12 26.7	1.133	2.021	16.1	19.9
2 1	10 28.74	+13 7.0	1.088	2.032	10.9	19.6
2 11	10 19.46	+13 57.0	1.065	2.043	5.2	19.3
2 21	10 8.82	+14 47.4	1.067	2.054	2.0	19.1
3 2	9 58.51	+15 29.1	1.094	2.066	7.4	19.5
3 12	9 50.15	+15 55.5	1.145	2.078	12.7	19.8
3 22	9 44.78	+16 4.0	1.217	2.091	17.3	20.1

21016 Miyazawaseiroku 2 19.9 87°.77 6°.6/25.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 36.38	− 8 37.4	1.739	2.442	19.2	18.9
1 22	10 32.60	− 8 56.5	1.665	2.463	16.3	18.7
2 1	10 26.30	− 8 49.0	1.610	2.485	13.0	18.6
2 11	10 18.12	− 8 13.7	1.576	2.506	9.6	18.4
2 21	10 8.99	− 7 13.1	1.568	2.527	7.0	18.3
3 2	10 0.06	− 5 53.0	1.588	2.547	7.1	18.4
3 12	9 52.43	− 4 22.3	1.634	2.567	9.5	18.5
3 22	9 46.89	− 2 50.5	1.705	2.587	12.7	18.8

416832 2005 JJ_{100} 2 19.9 202°.54 4°.2/14.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 12	10 33.93	+22 25.9	2.534	3.328	11.5	21.2
1 22	10 30.14	+23 34.1	2.449	3.326	9.0	21.1
2 1	10 24.39	+24 45.9	2.390	3.323	6.4	20.9
2 11	10 17.16	+25 55.1	2.358	3.321	4.5	20.8
2 21	10 9.11	+26 55.5	2.356	3.318	4.7	20.8
3 2	10 1.09	+27 41.8	2.384	3.315	6.9	20.9
3 12	9 53.94	+28 11.1	2.438	3.311	9.6	21.1
3 22	9 48.32	+28 22.7	2.516	3.308	12.0	21.2

318239 2004 RX_{268} 2 19.9 207°.25 0°.2/20.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 35.65	+ 8 43.6	2.148	2.915	14.1	22.0
1 22	10 31.72	+ 9 0.9	2.052	2.913	11.2	21.8
2 1	10 25.59	+ 9 30.3	1.979	2.910	7.7	21.6
2 11	10 17.78	+10 8.8	1.932	2.906	3.8	21.3
2 21	10 9.04	+10 51.8	1.914	2.903	0.4	21.0
3 2	10 0.29	+11 34.2	1.926	2.899	4.6	21.3
3 12	9 52.51	+12 10.9	1.966	2.895	8.5	21.6
3 22	9 46.45	+12 38.5	2.032	2.890	12.0	21.8

298996 2004 XC_{29} 2 19.9 52°.95 0°.9/20.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 40.02	+ 8 26.1	1.332	2.124	19.9	20.5
1 22	10 36.09	+ 8 17.2	1.270	2.143	15.8	20.2
2 1	10 28.97	+ 8 24.8	1.227	2.162	10.9	20.0
2 11	10 19.46	+ 8 45.1	1.207	2.182	5.5	19.7
2 21	10 8.85	+ 9 12.5	1.213	2.202	1.0	19.5
3 2	9 58.65	+ 9 40.3	1.246	2.222	5.9	19.9
3 12	9 50.27	+10 2.5	1.304	2.243	11.0	20.2
3 22	9 44.62	+10 15.0	1.385	2.263	15.3	20.5

349931 2009 XE_{18} 2 19.9 115°.57 3°.9/16.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 40.60	+16 25.6	1.540	2.340	17.3	21.2
1 22	10 36.38	+17 37.4	1.474	2.356	13.5	21.0
2 1	10 29.11	+19 0.5	1.430	2.371	9.1	20.8
2 11	10 19.55	+20 25.5	1.411	2.385	5.0	20.6
2 21	10 8.84	+21 42.1	1.421	2.399	4.5	20.6
3 2	9 58.40	+22 41.5	1.458	2.412	8.1	20.8
3 12	9 49.61	+23 18.6	1.520	2.425	12.3	21.1
3 22	9 43.39	+23 32.9	1.605	2.437	15.9	21.3

127166 2002 GP_{149} 2 19.9 35°.93 0°.7/19.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 35.82	+11 30.1	1.843	2.629	15.4	20.0
1 22	10 32.15	+11 46.1	1.760	2.632	12.2	19.8
2 1	10 26.02	+12 13.4	1.699	2.636	8.2	19.5
2 11	10 18.02	+12 47.9	1.664	2.640	3.9	19.3
2 21	10 9.03	+13 24.0	1.656	2.644	1.0	19.1
3 2	10 0.15	+13 56.3	1.677	2.648	5.3	19.4
3 12	9 52.47	+14 19.8	1.725	2.653	9.5	19.6
3 22	9 46.80	+14 32.0	1.797	2.658	13.2	19.9

466777 2015 AV_{257} 2 19.9 272°.03 1°.9/18.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 35.56	+14 31.1	2.024	2.813	14.2	21.3
1 22	10 31.83	+15 2.0	1.934	2.808	11.1	21.1
2 1	10 25.77	+15 42.1	1.865	2.804	7.5	20.8
2 11	10 17.90	+16 26.3	1.824	2.800	3.7	20.6
2 21	10 9.04	+17 9.0	1.811	2.796	2.2	20.5
3 2	10 0.21	+17 44.2	1.827	2.791	5.8	20.7
3 12	9 52.45	+18 7.8	1.870	2.787	9.6	20.9
3 22	9 46.56	+18 17.7	1.937	2.783	13.0	21.1

169055 2001 FE_{105} 2 19.9 359°.38 0°.1/19.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 31.73	+ 8 7.3	1.307	2.115	19.4	19.9
1 22	10 29.97	+ 8 29.8	1.229	2.113	15.5	19.6
2 1	10 25.11	+ 9 12.8	1.170	2.111	10.7	19.3
2 11	10 17.78	+10 11.6	1.134	2.111	5.2	19.0
2 21	10 9.06	+11 18.6	1.122	2.111	0.6	18.7
3 2	10 0.41	+12 24.0	1.136	2.112	6.4	19.1
3 12	9 53.29	+13 18.8	1.174	2.114	11.8	19.4
3 22	9 48.76	+13 57.5	1.234	2.117	16.4	19.7

237453 1999 TV_{264} 2 19.9 229°.63 6°.8/27.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 34.56	−14 56.3	3.166	3.778	12.8	20.3
1 22	10 30.27	−15 46.6	3.048	3.767	11.4	20.2
2 1	10 24.34	−16 21.2	2.949	3.755	9.8	20.1
2 11	10 17.13	−16 38.1	2.874	3.743	8.2	19.9
2 21	10 9.15	−16 36.1	2.825	3.730	7.0	19.8
3 2	10 1.04	−16 16.1	2.804	3.717	6.9	19.8
3 12	9 53.48	−15 40.9	2.812	3.703	7.8	19.8
3 22	9 47.06	−14 54.6	2.845	3.689	9.4	19.9

328552 2009 RM_{60} 2 19.9 233°.19 5°.0/23.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 36.72	− 2 15.7	1.966	2.692	16.6	20.8
1 22	10 32.81	− 2 52.9	1.868	2.688	13.9	20.6
2 1	10 26.51	− 3 12.6	1.789	2.685	10.8	20.4
2 11	10 18.30	− 3 13.8	1.735	2.681	7.4	20.2
2 21	10 9.01	− 2 57.2	1.707	2.677	5.1	20.0
3 2	9 59.64	− 2 26.2	1.708	2.674	6.0	20.1
3 12	9 51.31	− 1 46.2	1.736	2.669	9.0	20.2
3 22	9 44.84	− 1 3.1	1.789	2.665	12.4	20.4

225039 2007 GY_4 2 19.9 112°.55 2°.7/17.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 12	10 35.54	+15 56.5	2.047	2.838	13.9	20.6
1 22	10 31.71	+16 48.6	1.969	2.846	10.8	20.4
2 1	10 25.60	+17 49.2	1.914	2.853	7.3	20.2
2 11	10 17.78	+18 52.3	1.886	2.861	3.8	20.0
2 21	10 9.08	+19 51.0	1.887	2.868	3.1	20.0
3 2	10 0.51	+20 39.1	1.918	2.875	6.2	20.2
3 12	9 53.04	+21 12.5	1.975	2.882	9.7	20.4
3 22	9 47.43	+21 29.6	2.057	2.889	12.9	20.6

436369 2010 LV_{69} 2 19.9 299°.12 1°.7/21.9 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 30.21	+ 0 20.0	2.334	3.073	13.9	21.0
1 22	10 27.55	+ 1 13.1	2.201	3.040	11.4	20.7
2 1	10 22.90	+ 2 28.1	2.091	3.007	8.3	20.5
2 11	10 16.59	+ 4 3.3	2.008	2.974	4.8	20.2
2 21	10 9.21	+ 5 54.1	1.954	2.940	1.7	19.9
3 2	10 1.55	+ 7 53.6	1.931	2.907	4.2	20.0
3 12	9 54.52	+ 9 53.1	1.938	2.873	8.2	20.2
3 22	9 48.90	+11 44.6	1.973	2.839	11.9	20.4

90629 2149 $T\text{-}_2$ 2 19.9 230°.67 3°.5/24.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 31.13	− 4 56.3	2.969	3.662	12.2	20.6
1 22	10 27.62	− 4 45.9	2.851	3.650	10.2	20.4
2 1	10 22.54	− 4 19.4	2.755	3.638	7.9	20.3
2 11	10 16.26	− 3 37.2	2.685	3.625	5.5	20.1
2 21	10 9.28	− 2 41.1	2.644	3.612	3.7	19.9
3 2	10 2.21	− 1 34.7	2.633	3.599	4.2	20.0
3 12	9 55.74	− 0 22.6	2.652	3.585	6.4	20.1
3 22	9 50.39	+ 0 50.1	2.700	3.570	8.9	20.2

73346 2002 JV_{122} 2 19.9 221°.24 0°.7/19.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 33.72	+10 6.9	2.565	3.330	12.1	20.8
1 22	10 29.92	+10 51.5	2.460	3.321	9.5	20.6
2 1	10 24.25	+11 47.4	2.379	3.311	6.5	20.4
2 11	10 17.13	+12 50.9	2.325	3.301	3.1	20.1
2 21	10 9.17	+13 56.9	2.303	3.290	1.0	19.9
3 2	10 1.15	+15 0.2	2.311	3.279	4.4	20.2
3 12	9 53.87	+15 55.6	2.348	3.267	7.8	20.4
3 22	9 47.99	+16 40.0	2.412	3.255	10.9	20.6

84872 2003 BM_{36} 2 19.9 239°.81 1°.8/21.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 34.97	+ 4 50.6	2.452	3.197	13.2	19.6
1 22	10 30.87	+ 4 38.6	2.352	3.195	10.6	19.5
2 1	10 24.86	+ 4 37.9	2.275	3.193	7.6	19.3
2 11	10 17.40	+ 4 47.2	2.224	3.190	4.3	19.0
2 21	10 9.14	+ 5 4.2	2.203	3.188	1.9	18.9
3 2	10 0.89	+ 5 25.6	2.212	3.186	4.0	19.0
3 12	9 53.47	+ 5 47.6	2.250	3.183	7.3	19.2
3 22	9 47.52	+ 6 6.8	2.314	3.181	10.4	19.4

158885 2004 PO_{61} 2 19.9 175°.16 1°.7/18.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 40.02	+13 3.7	2.088	2.861	14.3	21.2
1 22	10 35.21	+13 48.0	1.998	2.865	11.2	21.0
2 1	10 28.01	+14 43.1	1.933	2.868	7.5	20.8
2 11	10 18.98	+15 43.5	1.894	2.870	3.6	20.5
2 21	10 8.95	+16 42.9	1.886	2.871	2.0	20.4
3 2	9 58.96	+17 34.8	1.907	2.871	5.7	20.6
3 12	9 50.09	+18 14.4	1.958	2.870	9.5	20.9
3 22	9 43.12	+18 39.4	2.033	2.869	12.9	21.1

365206 2009 HP_3 2 19.9 317°.43 1°.8/18.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 33.05	+10 57.9	1.514	2.317	17.4	21.0
1 22	10 30.70	+11 53.3	1.427	2.310	13.7	20.8
2 1	10 25.48	+13 7.0	1.361	2.304	9.3	20.5
2 11	10 17.95	+14 32.7	1.320	2.298	4.4	20.2
2 21	10 9.06	+16 1.1	1.306	2.292	2.3	20.0
3 2	10 0.14	+17 21.8	1.318	2.287	7.0	20.3
3 12	9 52.55	+18 26.4	1.356	2.281	11.8	20.6
3 22	9 47.32	+19 10.3	1.416	2.277	16.1	20.8

408778 1999 TE_{64} 2 19.9 195°.04 0°.8/19.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 38.85	+11 13.4	2.095	2.865	14.3	22.4
1 22	10 34.33	+11 41.4	1.999	2.863	11.3	22.2
2 1	10 27.44	+12 20.6	1.926	2.860	7.7	22.0
2 11	10 18.72	+13 7.0	1.881	2.856	3.7	21.7
2 21	10 8.98	+13 55.1	1.864	2.852	1.1	21.5
3 2	9 59.24	+14 39.1	1.878	2.847	5.2	21.8
3 12	9 50.54	+15 14.0	1.920	2.841	9.1	22.0
3 22	9 43.70	+15 37.1	1.988	2.835	12.7	22.2

233979 1995 LS 2 19.9 332°.21 5°.0/14.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 32.23	+21 2.7	1.974	2.783	13.7	19.9
1 22	10 29.44	+22 26.3	1.892	2.778	10.7	19.7
2 1	10 24.27	+23 56.9	1.834	2.773	7.6	19.5
2 11	10 17.24	+25 26.3	1.802	2.768	5.2	19.3
2 21	10 9.17	+26 45.8	1.799	2.763	5.6	19.3
3 2	10 1.11	+27 47.8	1.823	2.759	8.4	19.5
3 12	9 54.13	+28 28.0	1.873	2.755	11.6	19.7
3 22	9 49.06	+28 45.4	1.945	2.751	14.6	19.9

128163 2003 QP_{103} 2 19.9 208°.62 1°.9/18.0 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 12	10 35.91	+15 7.7	2.560	3.336	11.9	21.5
1 22	10 31.61	+15 45.1	2.462	3.330	9.3	21.3
2 1	10 25.37	+16 29.7	2.388	3.324	6.3	21.1
2 11	10 17.66	+17 17.2	2.342	3.317	3.1	20.9
2 21	10 9.13	+18 2.7	2.326	3.310	2.2	20.8
3 2	10 0.58	+18 41.6	2.341	3.302	5.0	21.0
3 12	9 52.86	+19 10.1	2.385	3.294	8.2	21.1
3 22	9 46.63	+19 26.4	2.455	3.285	11.1	21.3

302063 2000 VU_{59} 2 19.9 102°.58 0°.3/19.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 39.81	+ 9 29.8	1.705	2.483	16.8	22.0
1 22	10 35.33	+ 9 55.6	1.635	2.501	13.2	21.8
2 1	10 28.18	+10 35.7	1.585	2.519	9.0	21.6
2 11	10 19.06	+11 25.1	1.562	2.537	4.3	21.4
2 21	10 8.97	+12 17.4	1.566	2.554	0.7	21.1
3 2	9 59.15	+13 5.8	1.599	2.571	5.5	21.5
3 12	9 50.75	+13 44.5	1.660	2.588	9.8	21.8
3 22	9 44.60	+14 10.4	1.744	2.604	13.6	22.1

323458 2004 JW_{10} 2 19.9 346°.69 1°.2/19.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 24.23	+ 8 50.1	1.147	1.979	20.1	19.7
1 22	10 24.54	+ 9 37.0	1.065	1.964	15.9	19.4
2 1	10 21.71	+10 49.5	1.001	1.950	10.9	19.0
2 11	10 16.28	+12 21.7	0.959	1.938	5.2	18.7
2 21	10 9.28	+14 3.0	0.940	1.928	1.7	18.4
3 2	10 2.19	+15 40.0	0.945	1.920	7.6	18.7
3 12	9 56.63	+17 0.1	0.972	1.914	13.4	19.0
3 22	9 53.77	+17 55.7	1.019	1.909	18.5	19.3

83571 2001 SH_{225} 2 19.9 81°.99 2°.0/22.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 31.55	+ 1 34.0	2.342	3.083	13.8	19.7
1 22	10 28.22	+ 1 57.3	2.256	3.095	11.2	19.5
2 1	10 23.05	+ 2 36.7	2.193	3.107	8.0	19.3
2 11	10 16.52	+ 3 30.0	2.155	3.119	4.7	19.1
2 21	10 9.28	+ 4 33.1	2.147	3.131	2.0	19.0
3 2	10 2.12	+ 5 40.7	2.168	3.143	3.9	19.1
3 12	9 55.83	+ 6 47.2	2.218	3.155	7.2	19.4
3 22	9 51.01	+ 7 47.5	2.295	3.166	10.3	19.6

455561 2004 PS_{49} 2 19.9 262°.71 2°.1/17.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 35.25	+13 38.3	2.118	2.902	13.8	21.7
1 22	10 31.70	+14 29.2	2.008	2.881	10.8	21.5
2 1	10 25.81	+15 32.0	1.922	2.861	7.4	21.2
2 11	10 18.03	+16 41.6	1.863	2.839	3.7	21.0
2 21	10 9.08	+17 51.4	1.833	2.817	2.5	20.8
3 2	9 59.95	+18 54.2	1.833	2.795	6.0	21.0
3 12	9 51.70	+19 44.3	1.861	2.772	10.0	21.2
3 22	9 45.21	+20 18.3	1.912	2.749	13.5	21.4

109674 2001 RG_{23} 2 19.9 205°.19 0°.6/19.4 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 38.01	+10 57.0	2.520	3.280	12.5	22.1
1 22	10 33.27	+11 21.8	2.416	3.273	9.8	21.9
2 1	10 26.52	+11 56.2	2.335	3.266	6.7	21.7
2 11	10 18.23	+12 36.6	2.283	3.258	3.2	21.5
2 21	10 9.07	+13 18.8	2.262	3.250	0.8	21.3
3 2	9 59.87	+13 58.2	2.271	3.240	4.4	21.5
3 12	9 51.49	+14 30.7	2.310	3.230	7.9	21.7
3 22	9 44.64	+14 53.7	2.376	3.219	11.0	21.9

14958 1996 JK_1 2 19.9 235°.64 7°.0/26.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 33.50	− 9 16.3	1.920	2.616	17.8	17.9
1 22	10 30.40	− 9 46.9	1.823	2.614	15.4	17.7
2 1	10 24.93	− 9 53.7	1.744	2.611	12.6	17.5
2 11	10 17.58	− 9 34.5	1.686	2.609	9.6	17.3
2 21	10 9.14	− 8 49.6	1.654	2.606	7.4	17.2
3 2	10 0.63	− 7 42.8	1.649	2.603	7.4	17.2
3 12	9 53.13	− 6 21.2	1.670	2.601	9.6	17.3
3 22	9 47.49	− 4 53.6	1.717	2.598	12.6	17.5

259869 2004 CC_{117} 2 19.9 24°.54 0°.7/19.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 29.59	+11 17.8	2.659	3.435	11.5	20.5
1 22	10 26.51	+11 48.7	2.574	3.442	8.9	20.3
2 1	10 21.80	+12 28.4	2.512	3.448	6.0	20.2
2 11	10 15.89	+13 13.2	2.479	3.455	2.8	20.0
2 21	10 9.36	+13 59.2	2.474	3.462	0.9	19.8
3 2	10 2.91	+14 41.9	2.500	3.469	4.0	20.1
3 12	9 57.20	+15 17.8	2.554	3.477	7.1	20.3
3 22	9 52.78	+15 44.4	2.634	3.485	9.8	20.5

128749 2004 RG_{181} 2 19.9 84°.50 4°.4/23.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 35.63	− 1 42.1	1.530	2.282	19.5	19.5
1 22	10 32.47	− 1 47.1	1.452	2.292	16.2	19.3
2 1	10 26.50	− 1 27.2	1.392	2.302	12.1	19.1
2 11	10 18.36	− 0 43.0	1.355	2.312	7.8	18.8
2 21	10 9.06	+ 0 21.5	1.343	2.322	4.5	18.7
3 2	9 59.87	+ 1 38.8	1.359	2.332	6.0	18.8
3 12	9 52.08	+ 2 59.3	1.400	2.342	10.0	19.0
3 22	9 46.60	+ 4 14.6	1.466	2.352	14.1	19.3

408122 2013 CN_{31} 2 19.9 313°.65 2°.6/18.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 12	10 34.18	+13 32.4	1.340	2.156	18.6	21.5
1 22	10 32.11	+14 13.2	1.251	2.141	14.7	21.2
2 1	10 26.78	+15 10.6	1.182	2.127	10.0	20.8
2 11	10 18.72	+16 17.8	1.135	2.113	5.0	20.5
2 21	10 8.99	+17 25.1	1.115	2.100	3.1	20.4
3 2	9 59.14	+18 22.3	1.119	2.087	8.0	20.6
3 12	9 50.78	+19 1.3	1.148	2.075	13.3	20.9
3 22	9 45.15	+19 18.5	1.197	2.063	18.0	21.1

12623 Tawaddud 2 19.9 173°.16 0°.7/20.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 35.26	+ 6 4.9	1.816	2.586	16.2	18.7
1 22	10 31.83	+ 6 34.1	1.726	2.587	13.0	18.5
2 1	10 25.91	+ 7 20.8	1.658	2.588	9.0	18.3
2 11	10 18.05	+ 8 21.5	1.616	2.589	4.6	18.0
2 21	10 9.11	+ 9 30.3	1.601	2.589	0.7	17.7
3 2	10 0.19	+10 39.9	1.615	2.590	5.0	18.0
3 12	9 52.41	+11 42.9	1.657	2.590	9.5	18.3
3 22	9 46.63	+12 34.3	1.723	2.590	13.4	18.5

453307 2008 UC_{336} 2 19.9 94°.33 0°.8/20.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 40.05	+ 7 16.5	1.549	2.326	18.3	21.9
1 22	10 35.79	+ 7 28.0	1.479	2.343	14.5	21.7
2 1	10 28.65	+ 7 56.4	1.428	2.360	10.0	21.5
2 11	10 19.34	+ 8 37.8	1.403	2.376	5.0	21.2
2 21	10 8.97	+ 9 26.0	1.404	2.393	0.8	21.0
3 2	9 58.86	+10 13.8	1.434	2.409	5.5	21.3
3 12	9 50.31	+10 54.8	1.490	2.424	10.2	21.6
3 22	9 44.19	+11 24.7	1.570	2.439	14.3	21.9

339544 2005 JJ_{62} 2 19.9 320°.15 4°.7/24.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 31.74	− 3 50.0	2.132	2.854	15.6	20.9
1 22	10 28.74	− 4 8.8	2.031	2.847	13.1	20.7
2 1	10 23.65	− 4 9.0	1.949	2.841	10.2	20.5
2 11	10 16.92	− 3 49.7	1.892	2.835	7.1	20.3
2 21	10 9.25	− 3 12.8	1.861	2.830	4.9	20.1
3 2	10 1.52	− 2 21.7	1.858	2.824	5.5	20.1
3 12	9 54.65	− 1 22.5	1.882	2.819	8.3	20.3
3 22	9 49.41	− 0 21.4	1.933	2.814	11.4	20.5

126106 2001 YC_{109} 2 19.9 95°.05 5°.1/16.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 39.86	+19 42.1	1.520	2.329	17.1	20.3
1 22	10 35.92	+20 52.3	1.456	2.342	13.4	20.0
2 1	10 28.88	+22 10.4	1.413	2.354	9.2	19.8
2 11	10 19.50	+23 26.5	1.396	2.366	5.7	19.7
2 21	10 8.96	+24 30.3	1.405	2.378	5.6	19.7
3 2	9 58.71	+25 13.7	1.442	2.390	9.0	19.9
3 12	9 50.14	+25 33.2	1.503	2.401	12.9	20.1
3 22	9 44.17	+25 29.2	1.586	2.412	16.4	20.4

355367 2007 TA_{276} 2 19.9 260°.67 0°.2/20.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 38.39	+ 8 47.8	1.775	2.550	16.4	21.4
1 22	10 34.64	+ 9 1.1	1.667	2.531	13.1	21.1
2 1	10 28.11	+ 9 29.2	1.579	2.511	9.2	20.8
2 11	10 19.27	+10 9.2	1.517	2.491	4.5	20.5
2 21	10 8.96	+10 55.8	1.482	2.470	0.5	20.1
3 2	9 58.41	+11 42.4	1.476	2.449	5.6	20.4
3 12	9 48.94	+12 22.5	1.497	2.427	10.5	20.7
3 22	9 41.62	+12 51.4	1.542	2.405	14.8	20.9

428437 2007 TE_{273} 2 19.9 278°.81 4°.7/24.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 31.99	− 4 49.0	2.300	3.010	14.9	21.3
1 22	10 28.77	− 5 4.5	2.197	3.005	12.6	21.1
2 1	10 23.58	− 5 1.7	2.114	3.000	9.8	21.0
2 11	10 16.87	− 4 40.1	2.055	2.995	7.0	20.8
2 21	10 9.28	− 4 1.1	2.023	2.989	4.9	20.6
3 2	10 1.64	− 3 8.4	2.020	2.984	5.3	20.6
3 12	9 54.80	− 2 7.4	2.045	2.979	7.9	20.8
3 22	9 49.47	− 1 4.2	2.096	2.974	10.8	21.0

291093 2005 YF_{134} 2 19.9 92°.15 0°.8/19.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 37.14	+12 6.6	1.954	2.735	14.9	21.3
1 22	10 33.09	+12 20.2	1.867	2.737	11.7	21.1
2 1	10 26.64	+12 43.9	1.803	2.738	7.9	20.8
2 11	10 18.36	+13 13.6	1.764	2.740	3.8	20.6
2 21	10 9.11	+13 44.4	1.754	2.742	1.1	20.4
3 2	9 59.94	+14 11.0	1.774	2.744	5.2	20.7
3 12	9 51.93	+14 29.3	1.820	2.746	9.3	20.9
3 22	9 45.85	+14 36.9	1.892	2.748	12.8	21.1

280175 2002 RB_{117} 2 19.9 82°.18 1°.1/21.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 31.83	+ 3 31.6	2.187	2.941	14.3	20.4
1 22	10 28.61	+ 4 12.4	2.103	2.953	11.4	20.3
2 1	10 23.40	+ 5 10.1	2.042	2.966	8.0	20.1
2 11	10 16.74	+ 6 21.1	2.008	2.978	4.3	19.9
2 21	10 9.31	+ 7 40.2	2.003	2.990	1.1	19.7
3 2	10 1.97	+ 9 1.0	2.027	3.002	4.1	19.9
3 12	9 55.57	+10 16.9	2.081	3.014	7.8	20.1
3 22	9 50.74	+11 23.0	2.160	3.026	11.1	20.4

467450 2006 BD_{202} 2 19.9 310°.31 2°.0/18.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 12	10 33.81	+13 38.0	1.941	2.733	14.5	21.2
1 22	10 30.59	+14 24.0	1.853	2.730	11.4	21.0
2 1	10 25.02	+15 21.3	1.787	2.727	7.7	20.8
2 11	10 17.62	+16 24.4	1.748	2.724	3.8	20.5
2 21	10 9.20	+17 26.5	1.737	2.721	2.4	20.4
3 2	10 0.80	+18 20.6	1.754	2.718	6.0	20.7
3 12	9 53.48	+19 1.6	1.799	2.716	9.9	20.9
3 22	9 48.05	+19 26.6	1.867	2.713	13.4	21.1

260858 2005 QT_{85} 2 19.9 83°.41 1°.0/19.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 43.39	+13 44.8	1.875	2.651	15.6	20.1
1 22	10 37.82	+13 42.2	1.805	2.671	12.2	19.9
2 1	10 29.70	+13 47.3	1.757	2.691	8.2	19.7
2 11	10 19.75	+13 56.0	1.735	2.711	3.9	19.5
2 21	10 8.97	+14 3.8	1.743	2.730	1.2	19.4
3 2	9 58.53	+14 6.7	1.780	2.750	5.3	19.7
3 12	9 49.54	+14 1.8	1.846	2.769	9.3	20.0
3 22	9 42.73	+13 48.3	1.936	2.788	12.8	20.2

462894 2010 WO_{34} 2 19.9 354°.35 11°.1/10.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 32.26	+31 0.0	1.275	2.115	17.9	20.5
1 22	10 31.06	+32 57.2	1.215	2.108	14.8	20.3
2 1	10 26.21	+34 53.0	1.176	2.103	12.2	20.1
2 11	10 18.45	+36 32.1	1.159	2.099	11.1	20.0
2 21	10 9.10	+37 40.5	1.166	2.096	12.3	20.1
3 2	9 59.95	+38 9.2	1.194	2.095	15.0	20.2
3 12	9 52.75	+37 56.9	1.241	2.095	18.1	20.4
3 22	9 48.64	+37 8.6	1.306	2.096	21.1	20.6

266287 2007 BU_{29} 2 19.9 34°.66 2°.9/17.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 34.57	+14 58.4	1.540	2.349	16.9	20.0
1 22	10 31.67	+15 48.4	1.471	2.357	13.2	19.8
2 1	10 25.95	+16 50.2	1.423	2.367	8.9	19.5
2 11	10 18.10	+17 56.3	1.400	2.376	4.5	19.3
2 21	10 9.16	+18 58.0	1.404	2.387	3.4	19.3
3 2	10 0.43	+19 47.4	1.435	2.398	7.2	19.5
3 12	9 53.16	+20 19.1	1.490	2.409	11.5	19.8
3 22	9 48.24	+20 31.3	1.569	2.420	15.3	20.0

427699 2004 FR_{31} 2 19.9 300°.53 0°.9/20.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 29.52	+ 2 1.7	2.228	2.979	14.1	20.7
1 22	10 27.05	+ 3 11.0	2.111	2.960	11.4	20.5
2 1	10 22.56	+ 4 42.3	2.017	2.940	8.1	20.2
2 11	10 16.45	+ 6 32.6	1.950	2.920	4.3	20.0
2 21	10 9.34	+ 8 35.8	1.912	2.901	0.9	19.7
3 2	10 2.06	+10 43.5	1.906	2.881	4.4	19.9
3 12	9 55.51	+12 46.4	1.930	2.862	8.4	20.1
3 22	9 50.46	+14 37.0	1.981	2.843	12.1	20.3

450464 2005 WN_{28} 2 19.9 131°.77 2°.1/21.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 40.27	+ 3 43.2	1.740	2.495	17.4	22.4
1 22	10 35.73	+ 3 47.9	1.660	2.508	14.0	22.2
2 1	10 28.53	+ 4 10.7	1.600	2.521	10.0	22.0
2 11	10 19.30	+ 4 49.2	1.566	2.533	5.6	21.7
2 21	10 9.02	+ 5 38.7	1.559	2.545	2.1	21.5
3 2	9 58.89	+ 6 32.8	1.580	2.555	5.1	21.8
3 12	9 50.10	+ 7 24.7	1.630	2.565	9.4	22.0
3 22	9 43.51	+ 8 9.0	1.705	2.575	13.3	22.3

3485 Barucci 2 19.9 226°.13 0°.3/20.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 37.66	+ 8 18.9	2.012	2.778	15.0	17.5
1 22	10 33.58	+ 8 36.2	1.909	2.769	12.0	17.2
2 1	10 27.08	+ 9 7.2	1.829	2.759	8.3	17.0
2 11	10 18.65	+ 9 48.7	1.775	2.749	4.1	16.7
2 21	10 9.09	+10 35.8	1.750	2.738	0.5	16.4
3 2	9 59.45	+11 22.8	1.754	2.727	4.9	16.7
3 12	9 50.81	+12 3.9	1.786	2.715	9.2	16.9
3 22	9 44.05	+12 35.3	1.844	2.703	13.0	17.1

239492 2007 UQ_{133} 2 19.9 142°.18 2°.3/17.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 34.07	+16 27.1	2.565	3.347	11.7	21.2
1 22	10 30.11	+17 13.2	2.481	3.354	9.1	21.0
2 1	10 24.32	+18 5.5	2.422	3.360	6.1	20.8
2 11	10 17.16	+18 59.4	2.391	3.365	3.2	20.6
2 21	10 9.30	+19 49.6	2.390	3.371	2.6	20.6
3 2	10 1.51	+20 31.6	2.420	3.376	5.2	20.8
3 12	9 54.58	+21 1.8	2.477	3.381	8.2	21.0
3 22	9 49.10	+21 19.0	2.560	3.385	10.9	21.2

341586 2007 UL_{87} 2 19.9 173°.63 0°.3/20.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 33.73	+ 8 21.8	2.590	3.348	12.2	21.5
1 22	10 29.81	+ 8 40.3	2.495	3.350	9.7	21.3
2 1	10 24.11	+ 9 9.2	2.423	3.351	6.6	21.1
2 11	10 17.07	+ 9 45.6	2.379	3.352	3.3	20.9
2 21	10 9.31	+10 25.8	2.364	3.353	0.4	20.7
3 2	10 1.58	+11 5.8	2.380	3.353	3.8	21.0
3 12	9 54.63	+11 41.4	2.426	3.354	7.2	21.2
3 22	9 49.07	+12 9.7	2.498	3.354	10.1	21.4

473069 2015 HP_{94} 2 19.9 319°.14 5°.7/14.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 12	10 33.74	+25 10.7	2.092	2.899	13.1	20.8
1 22	10 30.60	+26 18.8	2.005	2.886	10.4	20.6
2 1	10 25.07	+27 29.7	1.941	2.874	7.7	20.4
2 11	10 17.67	+28 35.6	1.904	2.861	5.9	20.2
2 21	10 9.23	+29 28.9	1.895	2.850	6.4	20.2
3 2	10 0.78	+30 3.4	1.913	2.838	8.7	20.4
3 12	9 53.40	+30 16.0	1.956	2.827	11.7	20.5
3 22	9 47.92	+30 7.0	2.021	2.816	14.5	20.7

334900 2003 WY_{89} 2 19.9 216°.08 5°.6/25.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 33.42	− 8 55.5	2.600	3.272	14.1	21.2
1 22	10 29.69	− 9 17.1	2.489	3.265	12.2	21.0
2 1	10 24.12	− 9 20.6	2.399	3.258	9.9	20.8
2 11	10 17.13	− 9 4.9	2.333	3.251	7.5	20.6
2 21	10 9.30	− 8 30.4	2.294	3.243	5.8	20.5
3 2	10 1.40	− 7 39.9	2.284	3.235	5.9	20.5
3 12	9 54.20	− 6 38.0	2.303	3.227	7.7	20.6
3 22	9 48.36	− 5 30.6	2.348	3.218	10.1	20.7

182313 2001 OK_{61} 2 19.9 138°.26 2°.4/17.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 38.77	+16 8.2	2.369	3.145	12.7	21.1
1 22	10 33.86	+16 55.6	2.291	3.160	9.9	20.9
2 1	10 26.89	+17 49.6	2.239	3.174	6.6	20.8
2 11	10 18.40	+18 45.1	2.214	3.187	3.5	20.6
2 21	10 9.17	+19 36.2	2.219	3.200	2.7	20.5
3 2	10 0.08	+20 18.0	2.256	3.212	5.5	20.7
3 12	9 52.02	+20 47.0	2.321	3.223	8.7	21.0
3 22	9 45.65	+21 1.9	2.411	3.234	11.5	21.2

246569 2008 TK_{19} 2 19.9 124°.09 1°.0/18.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 35.04	+12 8.6	2.202	2.980	13.5	21.5
1 22	10 31.16	+12 37.4	2.116	2.985	10.6	21.3
2 1	10 25.19	+13 16.0	2.053	2.989	7.1	21.1
2 11	10 17.64	+14 0.1	2.018	2.994	3.4	20.8
2 21	10 9.26	+14 44.8	2.011	2.998	1.3	20.7
3 2	10 0.96	+15 24.7	2.034	3.002	4.9	20.9
3 12	9 53.64	+15 55.7	2.085	3.006	8.5	21.2
3 22	9 48.01	+16 15.2	2.161	3.010	11.7	21.4

37336 2001 RM 2 19.9 171°.24 11°.9/ 8.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 41.75	−35 20.5	2.894	3.319	16.5	21.4
1 22	10 36.34	−36 19.0	2.796	3.326	15.6	21.3
2 1	10 28.73	−36 52.6	2.711	3.332	14.6	21.2
2 11	10 19.38	−36 56.4	2.641	3.337	13.5	21.1
2 21	10 9.05	−36 27.1	2.590	3.340	12.6	21.0
3 2	9 58.66	−35 24.4	2.561	3.342	12.0	21.0
3 12	9 49.21	−33 51.8	2.556	3.342	11.9	21.0
3 22	9 41.45	−31 55.9	2.574	3.342	12.4	21.0

240766 2005 NK_{87} 2 19.9 208°.95 8°.2/ 7.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 40.25	+43 0.9	3.072	3.835	10.4	21.4
1 22	10 35.24	+44 29.1	3.007	3.829	9.2	21.3
2 1	10 27.98	+45 49.0	2.968	3.822	8.4	21.3
2 11	10 19.01	+46 53.4	2.956	3.815	8.3	21.2
2 21	10 9.10	+47 36.9	2.969	3.808	8.9	21.3
3 2	9 59.23	+47 56.1	3.007	3.800	10.1	21.3
3 12	9 50.40	+47 51.0	3.068	3.792	11.5	21.4
3 22	9 43.35	+47 23.8	3.149	3.783	12.8	21.5

90683 1981 EQ_6 2 19.9 294°.40 0°.1/19.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 39.99	+11 44.3	1.829	2.607	15.8	19.8
1 22	10 35.72	+11 30.1	1.726	2.593	12.6	19.5
2 1	10 28.72	+11 24.9	1.645	2.578	8.7	19.2
2 11	10 19.53	+11 25.7	1.589	2.564	4.3	18.9
2 21	10 9.05	+11 28.8	1.561	2.550	0.5	18.6
3 2	9 58.47	+11 29.9	1.562	2.536	5.4	18.9
3 12	9 49.05	+11 25.5	1.591	2.522	10.0	19.2
3 22	9 41.79	+11 13.3	1.644	2.508	14.1	19.4

127498 2002 TQ_{47} 2 19.9 50°.37 2°.8/18.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 38.38	+14 19.1	1.264	2.078	19.6	19.6
1 22	10 35.30	+14 58.8	1.197	2.086	15.4	19.3
2 1	10 28.79	+15 52.8	1.149	2.094	10.4	19.1
2 11	10 19.61	+16 53.0	1.125	2.102	5.1	18.8
2 21	10 9.05	+17 49.5	1.126	2.110	3.3	18.7
3 2	9 58.76	+18 33.0	1.152	2.119	8.0	19.0
3 12	9 50.33	+18 57.4	1.203	2.128	13.0	19.3
3 22	9 44.80	+19 1.2	1.275	2.138	17.3	19.6

104510 2000 GD_{43} 2 19.9 14°.88 4°.6/16.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 37.57	+22 30.4	1.965	2.766	14.1	19.7
1 22	10 33.52	+23 10.0	1.888	2.767	11.1	19.5
2 1	10 26.97	+23 52.3	1.833	2.769	7.8	19.3
2 11	10 18.55	+24 30.5	1.805	2.771	5.1	19.1
2 21	10 9.18	+24 58.1	1.804	2.774	5.0	19.1
3 2	9 59.97	+25 10.1	1.832	2.776	7.6	19.3
3 12	9 52.03	+25 4.1	1.885	2.779	10.9	19.5
3 22	9 46.14	+24 40.7	1.962	2.782	13.9	19.7

56313 1999 SV_{14} 2 19.9 293°.15 5°.2/23.3 18 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 12	10 39.88	− 2 15.4	2.417	3.119	14.4	18.8
1 22	10 35.07	− 3 18.8	2.289	3.093	12.2	18.6
2 1	10 28.04	− 4 11.0	2.183	3.066	9.7	18.4
2 11	10 19.16	− 4 50.0	2.103	3.040	7.0	18.1
2 21	10 9.09	− 5 15.1	2.051	3.013	5.3	18.0
3 2	9 58.72	− 5 26.6	2.030	2.987	6.0	18.0
3 12	9 49.03	− 5 27.0	2.038	2.960	8.6	18.1
3 22	9 40.87	− 5 20.0	2.072	2.933	11.6	18.2

37372 2001 VF_{33} 2 19.9 92°.27 2°.3/18.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 37.31	+15 8.4	1.874	2.665	15.0	18.9
1 22	10 33.30	+15 47.0	1.799	2.675	11.7	18.7
2 1	10 26.81	+16 34.8	1.746	2.685	7.9	18.5
2 11	10 18.47	+17 25.7	1.719	2.695	3.9	18.3
2 21	10 9.20	+18 13.2	1.721	2.705	2.7	18.2
3 2	10 0.10	+18 51.0	1.752	2.714	6.2	18.5
3 12	9 52.25	+19 15.0	1.809	2.724	10.0	18.7
3 22	9 46.45	+19 23.7	1.890	2.733	13.4	18.9

458824 2011 UF_6 2 19.9 78°.48 1°.4/20.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 38.51	+ 5 15.4	1.561	2.333	18.4	22.5
1 22	10 34.52	+ 5 30.5	1.494	2.355	14.6	22.3
2 1	10 27.75	+ 6 4.4	1.448	2.376	10.2	22.0
2 11	10 18.94	+ 6 53.3	1.426	2.398	5.3	21.8
2 21	10 9.15	+ 7 51.1	1.431	2.419	1.4	21.6
3 2	9 59.66	+ 8 50.2	1.465	2.440	5.3	21.9
3 12	9 51.68	+ 9 43.3	1.525	2.461	9.8	22.2
3 22	9 46.03	+10 25.4	1.609	2.482	13.8	22.5

451884 2014 JD_3 2 19.9 252°.72 0°.9/20.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 37.47	+ 6 34.6	1.533	2.314	18.3	22.1
1 22	10 34.27	+ 6 49.1	1.436	2.303	14.7	21.8
2 1	10 28.05	+ 7 22.9	1.359	2.291	10.4	21.5
2 11	10 19.33	+ 8 13.0	1.306	2.279	5.3	21.2
2 21	10 9.08	+ 9 13.7	1.279	2.267	0.9	20.9
3 2	9 58.65	+10 16.7	1.279	2.255	5.9	21.2
3 12	9 49.52	+11 13.8	1.306	2.242	11.2	21.4
3 22	9 42.82	+11 58.7	1.355	2.229	15.8	21.7

501383 2013 YM_{65} 2 19.9 334°.81 2°.5/18.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 36.26	+17 29.5	1.963	2.758	14.3	20.7
1 22	10 32.55	+17 42.7	1.870	2.748	11.2	20.4
2 1	10 26.39	+18 1.8	1.799	2.739	7.7	20.2
2 11	10 18.33	+18 21.7	1.755	2.730	4.0	20.0
2 21	10 9.23	+18 37.1	1.738	2.721	2.8	19.9
3 2	10 0.16	+18 43.4	1.750	2.714	6.2	20.1
3 12	9 52.23	+18 37.6	1.790	2.706	10.0	20.3
3 22	9 46.25	+18 18.8	1.852	2.699	13.5	20.5

382005 2010 TO_6 2 19.9 246°.77 15°.4/ 3.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 34.01	−22 39.8	1.376	2.022	25.7	21.2
1 22	10 32.15	−24 7.1	1.289	2.016	23.7	21.0
2 1	10 26.97	−24 57.8	1.213	2.011	21.3	20.8
2 11	10 18.96	−25 1.9	1.152	2.005	18.8	20.6
2 21	10 9.12	−24 12.6	1.109	2.000	16.5	20.4
3 2	9 59.00	−22 29.2	1.085	1.994	15.5	20.3
3 12	9 50.32	−20 0.6	1.083	1.988	16.1	20.3
3 22	9 44.41	−17 3.4	1.102	1.981	18.2	20.4

59919 1999 RP_{161} 2 19.9 258°.93 0°.1/20.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 32.65	+ 8 56.9	2.559	3.323	12.2	19.5
1 22	10 29.08	+ 9 15.7	2.456	3.315	9.7	19.3
2 1	10 23.70	+ 9 44.9	2.377	3.307	6.6	19.1
2 11	10 16.93	+10 21.5	2.325	3.300	3.3	18.8
2 21	10 9.39	+11 2.0	2.303	3.292	0.4	18.6
3 2	10 1.83	+11 41.9	2.311	3.284	3.9	18.9
3 12	9 55.01	+12 17.3	2.348	3.276	7.4	19.1
3 22	9 49.58	+12 45.0	2.411	3.268	10.4	19.2

500539 2012 UX_{22} 2 19.9 89°.19 2°.4/22.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 35.08	+ 3 5.8	2.371	3.111	13.7	21.4
1 22	10 31.04	+ 2 49.3	2.275	3.112	11.1	21.2
2 1	10 25.05	+ 2 45.4	2.201	3.114	8.1	21.0
2 11	10 17.59	+ 2 53.2	2.154	3.116	4.9	20.8
2 21	10 9.32	+ 3 10.4	2.135	3.118	2.5	20.7
3 2	10 1.08	+ 3 33.9	2.147	3.120	4.2	20.8
3 12	9 53.71	+ 3 59.4	2.187	3.121	7.4	21.0
3 22	9 47.86	+ 4 23.4	2.253	3.123	10.5	21.2

175114 2004 QQ 2 19.9 222°.57 1°.5/21.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 41.20	+ 3 18.7	2.934	3.648	11.9	22.5
1 22	10 35.58	+ 3 35.2	2.806	3.630	9.7	22.3
2 1	10 28.08	+ 4 4.0	2.703	3.612	7.0	22.1
2 11	10 19.07	+ 4 43.6	2.628	3.592	3.9	21.8
2 21	10 9.15	+ 5 31.2	2.585	3.570	1.5	21.6
3 2	9 59.04	+ 6 22.9	2.575	3.547	3.7	21.7
3 12	9 49.55	+ 7 14.3	2.597	3.522	6.9	21.9
3 22	9 41.36	+ 8 1.5	2.649	3.496	9.9	22.1

519189 2010 PY_7 2 19.9 211°.81 2°.8/17.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 12	10 38.32	+19 26.4	2.420	3.202	12.3	21.4
1 22	10 33.59	+19 45.8	2.330	3.201	9.6	21.2
2 1	10 26.77	+20 8.5	2.264	3.200	6.6	21.0
2 11	10 18.41	+20 30.0	2.227	3.199	3.7	20.8
2 21	10 9.25	+20 45.6	2.219	3.197	3.0	20.8
3 2	10 0.19	+20 51.7	2.241	3.196	5.7	20.9
3 12	9 52.11	+20 46.1	2.291	3.194	8.8	21.1
3 22	9 45.71	+20 28.4	2.366	3.193	11.6	21.3

238735 2005 GC_{118} 2 19.9 160°.27 1°.9/22.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 32.42	+ 1 37.5	2.682	3.414	12.5	21.4
1 22	10 28.74	+ 1 57.1	2.585	3.418	10.1	21.2
2 1	10 23.37	+ 2 30.8	2.511	3.422	7.3	21.0
2 11	10 16.75	+ 3 16.7	2.464	3.426	4.3	20.8
2 21	10 9.45	+ 4 11.8	2.446	3.430	2.0	20.7
3 2	10 2.16	+ 5 11.5	2.459	3.433	3.6	20.8
3 12	9 55.61	+ 6 11.2	2.502	3.436	6.6	21.0
3 22	9 50.35	+ 7 6.4	2.571	3.438	9.5	21.2

441774 2009 DM_{31} 2 19.9 4°.10 4°.2/24.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 25.96	− 4 5.1	1.661	2.413	18.2	20.4
1 22	10 24.77	− 3 44.0	1.575	2.413	15.2	20.1
2 1	10 21.24	− 2 55.2	1.507	2.414	11.6	19.9
2 11	10 15.90	− 1 39.7	1.462	2.416	7.6	19.7
2 21	10 9.55	− 0 2.2	1.442	2.420	4.5	19.5
3 2	10 3.22	+ 1 48.9	1.449	2.424	5.4	19.6
3 12	9 57.99	+ 3 43.0	1.483	2.430	9.1	19.8
3 22	9 54.64	+ 5 30.0	1.542	2.437	13.0	20.0

317112 2001 TY_{221} 2 19.9 130°.85 4°.0/24.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 32.57	− 4 12.5	2.625	3.327	13.4	21.0
1 22	10 28.89	− 4 20.4	2.529	3.334	11.2	20.8
2 1	10 23.49	− 4 12.2	2.456	3.341	8.7	20.7
2 11	10 16.82	− 3 48.0	2.407	3.347	6.0	20.5
2 21	10 9.46	− 3 9.7	2.387	3.354	4.1	20.4
3 2	10 2.12	− 2 20.7	2.396	3.360	4.6	20.4
3 12	9 55.54	− 1 25.8	2.434	3.367	6.9	20.6
3 22	9 50.28	− 0 29.8	2.499	3.372	9.5	20.8

109894 2001 SC_{16} 2 19.9 62°.34 1°.3/19.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 37.92	+12 40.5	1.668	2.460	16.6	19.9
1 22	10 34.01	+13 2.7	1.597	2.473	13.0	19.6
2 1	10 27.41	+13 36.3	1.548	2.487	8.7	19.4
2 11	10 18.81	+14 16.0	1.524	2.501	4.1	19.2
2 21	10 9.23	+14 55.3	1.528	2.515	1.6	19.0
3 2	9 59.90	+15 28.0	1.559	2.529	5.9	19.3
3 12	9 51.99	+15 49.4	1.617	2.543	10.2	19.6
3 22	9 46.32	+15 57.4	1.699	2.557	13.9	19.9

465937 2010 YT_4 2 19.9 54°.55 1°.6/21.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 36.27	+ 5 8.4	1.584	2.359	18.0	21.5
1 22	10 32.75	+ 5 14.1	1.517	2.378	14.4	21.3
2 1	10 26.56	+ 5 37.9	1.470	2.398	10.1	21.1
2 11	10 18.39	+ 6 16.7	1.447	2.418	5.4	20.9
2 21	10 9.28	+ 7 5.0	1.450	2.438	1.6	20.7
3 2	10 0.43	+ 7 55.9	1.482	2.458	5.1	20.9
3 12	9 53.01	+ 8 42.7	1.540	2.478	9.6	21.2
3 22	9 47.83	+ 9 20.3	1.622	2.499	13.5	21.5

97705 2000 GM_{77} 2 19.9 215°.74 0°.1/19.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 33.62	+ 9 5.4	2.939	3.693	11.0	20.7
1 22	10 29.59	+ 9 31.7	2.831	3.685	8.7	20.5
2 1	10 23.93	+10 7.3	2.747	3.676	6.0	20.3
2 11	10 17.03	+10 49.5	2.692	3.666	2.9	20.1
2 21	10 9.43	+11 34.9	2.667	3.656	0.4	19.8
3 2	10 1.78	+12 19.4	2.674	3.646	3.6	20.1
3 12	9 54.78	+12 59.3	2.711	3.634	6.7	20.3
3 22	9 48.98	+13 31.8	2.775	3.623	9.5	20.4

284852 2009 BH_{128} 2 19.9 254°.50 2°.6/16.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 31.56	+14 59.9	2.369	3.157	12.3	21.0
1 22	10 28.45	+16 12.3	2.278	3.155	9.6	20.8
2 1	10 23.39	+17 34.4	2.213	3.152	6.4	20.6
2 11	10 16.84	+19 0.6	2.175	3.149	3.4	20.4
2 21	10 9.46	+20 24.1	2.167	3.147	3.0	20.4
3 2	10 2.05	+21 38.4	2.190	3.144	5.8	20.6
3 12	9 55.48	+22 38.3	2.240	3.141	9.0	20.7
3 22	9 50.42	+23 21.5	2.315	3.138	11.9	20.9

384566 2010 GV_{99} 2 19.9 323°.54 1°.2/18.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 31.33	+11 29.6	1.891	2.684	14.8	20.8
1 22	10 28.83	+12 5.5	1.793	2.670	11.7	20.5
2 1	10 23.98	+12 54.7	1.716	2.655	8.0	20.3
2 11	10 17.24	+13 52.8	1.665	2.642	3.8	20.0
2 21	10 9.40	+14 53.4	1.641	2.628	1.6	19.8
3 2	10 1.48	+15 49.6	1.646	2.615	5.7	20.0
3 12	9 54.55	+16 35.3	1.677	2.603	9.9	20.2
3 22	9 49.48	+17 6.6	1.732	2.591	13.7	20.4

499808 2011 CD_{101} 2 19.9 72°.57 3°.3/22.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 12	10 38.26	+ 2 33.1	1.967	2.711	16.0	21.7
1 22	10 33.98	+ 1 59.8	1.874	2.713	13.1	21.5
2 1	10 27.31	+ 1 40.8	1.802	2.714	9.7	21.3
2 11	10 18.79	+ 1 35.9	1.756	2.716	6.0	21.1
2 21	10 9.24	+ 1 43.3	1.737	2.717	3.4	20.9
3 2	9 59.71	+ 1 59.6	1.747	2.719	5.1	21.0
3 12	9 51.28	+ 2 20.3	1.785	2.720	8.7	21.2
3 22	9 44.75	+ 2 40.9	1.848	2.722	12.2	21.4

97888 2000 QC_{56} 2 19.9 123°.72 0°.3/20.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 37.29	+ 7 10.5	1.653	2.430	17.3	20.4
1 22	10 33.64	+ 7 38.9	1.572	2.438	13.8	20.2
2 1	10 27.28	+ 8 24.9	1.513	2.445	9.5	20.0
2 11	10 18.82	+ 9 24.2	1.478	2.452	4.7	19.7
2 21	10 9.24	+10 30.4	1.471	2.459	0.5	19.4
3 2	9 59.77	+11 35.4	1.492	2.466	5.4	19.8
3 12	9 51.63	+12 31.9	1.540	2.473	10.1	20.1
3 22	9 45.72	+13 15.3	1.612	2.479	14.1	20.3

227501 2005 XK_{79} 2 19.9 144°.08 3°.8/16.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 35.98	+18 51.0	2.106	2.900	13.5	20.6
1 22	10 32.13	+19 57.7	2.027	2.906	10.5	20.4
2 1	10 25.99	+21 11.2	1.973	2.911	7.2	20.2
2 11	10 18.12	+22 24.6	1.945	2.915	4.4	20.1
2 21	10 9.33	+23 30.5	1.947	2.920	4.2	20.1
3 2	10 0.63	+24 22.6	1.978	2.924	7.0	20.2
3 12	9 53.02	+24 56.8	2.036	2.928	10.3	20.4
3 22	9 47.24	+25 12.3	2.117	2.932	13.2	20.6

377730 2005 XF_1 2 19.9 145°.18 15°.6/ 1.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 43.34	−21 23.8	1.487	2.114	24.7	21.0
1 22	10 39.24	−23 33.9	1.411	2.123	22.6	20.9
2 1	10 31.68	−25 13.5	1.347	2.131	20.3	20.7
2 11	10 21.21	−26 12.8	1.301	2.138	18.0	20.6
2 21	10 8.95	−26 25.0	1.273	2.144	16.3	20.5
3 2	9 56.51	−25 48.5	1.266	2.150	15.6	20.4
3 12	9 45.63	−24 30.0	1.281	2.155	16.3	20.5
3 22	9 37.62	−22 42.3	1.315	2.160	18.1	20.6

328755 2009 UT_{70} 2 19.9 193°.83 0°.4/19.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 34.94	+ 9 5.5	2.236	3.004	13.6	21.8
1 22	10 31.16	+ 9 44.9	2.141	3.002	10.8	21.6
2 1	10 25.28	+10 37.2	2.068	3.000	7.3	21.4
2 11	10 17.78	+11 38.5	2.023	2.998	3.5	21.2
2 21	10 9.38	+12 43.5	2.007	2.995	0.7	20.9
3 2	10 0.97	+13 45.9	2.021	2.992	4.6	21.2
3 12	9 53.46	+14 40.5	2.064	2.988	8.4	21.4
3 22	9 47.58	+15 23.3	2.133	2.984	11.8	21.6

143353 2003 AP_{86} 2 19.9 116°.69 0°.5/19.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 37.91	+ 9 10.2	2.238	2.999	13.8	20.7
1 22	10 33.24	+ 9 56.7	2.164	3.022	10.8	20.6
2 1	10 26.51	+10 55.3	2.114	3.045	7.3	20.4
2 11	10 18.29	+12 1.3	2.091	3.066	3.4	20.2
2 21	10 9.34	+13 8.9	2.099	3.087	0.8	20.0
3 2	10 0.56	+14 12.2	2.137	3.107	4.6	20.3
3 12	9 52.84	+15 6.1	2.205	3.126	8.1	20.6
3 22	9 46.82	+15 47.6	2.299	3.144	11.3	20.8

217894 2001 RE_{143} 2 19.9 195°.15 2°.1/21.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 37.81	+ 3 37.9	2.311	3.049	14.1	21.7
1 22	10 33.31	+ 3 34.4	2.209	3.047	11.4	21.5
2 1	10 26.70	+ 3 44.4	2.129	3.044	8.2	21.3
2 11	10 18.46	+ 4 6.5	2.076	3.040	4.7	21.1
2 21	10 9.31	+ 4 37.8	2.052	3.036	2.1	20.9
3 2	10 0.12	+ 5 14.4	2.058	3.032	4.2	21.1
3 12	9 51.81	+ 5 51.5	2.093	3.026	7.8	21.3
3 22	9 45.13	+ 6 24.9	2.155	3.021	11.1	21.5

385633 2005 QD_{57} 2 19.9 199°.62 0°.3/20.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 38.68	+10 17.2	2.753	3.504	11.7	21.0
1 22	10 33.56	+10 5.3	2.651	3.502	9.3	20.9
2 1	10 26.63	+10 0.1	2.573	3.499	6.4	20.7
2 11	10 18.34	+ 9 59.8	2.524	3.497	3.2	20.4
2 21	10 9.33	+10 1.8	2.506	3.494	0.4	20.2
3 2	10 0.35	+10 3.5	2.519	3.491	3.7	20.5
3 12	9 52.17	+10 2.6	2.562	3.488	6.9	20.7
3 22	9 45.39	+ 9 57.3	2.633	3.485	9.8	20.9

2609 Kiril–Metodi 2 19.9 325°.76 2°.5/21.3 18 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 37.82	+ 6 10.0	1.297	2.089	20.4	16.1
1 22	10 35.01	+ 5 40.9	1.211	2.081	16.6	15.8
2 1	10 28.81	+ 5 29.3	1.142	2.074	11.9	15.5
2 11	10 19.81	+ 5 34.3	1.096	2.067	6.7	15.2
2 21	10 9.14	+ 5 52.4	1.074	2.061	2.5	14.9
3 2	9 58.40	+ 6 17.6	1.078	2.055	6.4	15.1
3 12	9 49.25	+ 6 42.9	1.106	2.050	11.9	15.4
3 22	9 42.91	+ 7 2.2	1.156	2.045	16.8	15.7

306445 1998 WL_{27} 2 19.9 81°.78 7°.1/26.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 12	10 36.86	−10 14.2	1.836	2.523	18.8	21.4
1 22	10 32.89	−10 42.0	1.765	2.549	16.1	21.2
2 1	10 26.52	−10 43.8	1.711	2.574	13.0	21.1
2 11	10 18.37	−10 18.2	1.680	2.599	9.9	20.9
2 21	10 9.34	− 9 26.9	1.674	2.623	7.6	20.9
3 2	10 0.51	− 8 14.8	1.694	2.647	7.4	20.9
3 12	9 52.94	− 6 50.3	1.742	2.671	9.4	21.1
3 22	9 47.36	− 5 22.2	1.815	2.694	12.2	21.3

105936 2000 SQ_{224} 2 19.9 247°.93 4°.8/25.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 31.10	− 8 0.7	2.757	3.435	13.3	20.8
1 22	10 27.83	− 8 3.3	2.639	3.423	11.4	20.6
2 1	10 22.86	− 7 47.8	2.543	3.410	9.1	20.4
2 11	10 16.59	− 7 13.9	2.471	3.397	6.8	20.2
2 21	10 9.54	− 6 22.7	2.426	3.383	5.0	20.1
3 2	10 2.40	− 5 17.2	2.411	3.369	5.1	20.1
3 12	9 55.88	− 4 2.7	2.425	3.355	7.0	20.2
3 22	9 50.59	− 2 44.6	2.467	3.341	9.6	20.3

212757 2007 TZ_{19} 2 19.9 125°.96 3°.4/17.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 41.61	+17 58.4	1.722	2.516	16.0	20.7
1 22	10 36.97	+18 35.5	1.647	2.525	12.5	20.4
2 1	10 29.50	+19 19.8	1.594	2.533	8.6	20.2
2 11	10 19.88	+20 4.3	1.567	2.541	4.7	20.0
2 21	10 9.17	+20 41.5	1.568	2.548	3.8	20.0
3 2	9 58.68	+21 5.3	1.597	2.555	7.2	20.2
3 12	9 49.68	+21 12.3	1.653	2.562	11.2	20.4
3 22	9 43.04	+21 2.1	1.732	2.568	14.8	20.7

314831 2006 UR_{104} 2 19.9 259°.50 2°.5/17.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 36.09	+14 27.9	1.776	2.572	15.6	21.3
1 22	10 32.71	+15 13.5	1.688	2.567	12.2	21.0
2 1	10 26.68	+16 10.8	1.622	2.562	8.3	20.8
2 11	10 18.58	+17 13.5	1.582	2.558	4.1	20.5
2 21	10 9.31	+18 14.2	1.569	2.553	2.9	20.4
3 2	10 0.04	+19 5.3	1.585	2.548	6.7	20.6
3 12	9 51.97	+19 41.2	1.627	2.543	10.8	20.9
3 22	9 46.03	+19 59.6	1.692	2.538	14.6	21.1

501136 2013 TO_{40} 2 19.9 67°.30 1°.2/18.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 35.17	+12 23.8	2.013	2.797	14.4	21.8
1 22	10 31.52	+12 52.7	1.929	2.801	11.3	21.6
2 1	10 25.59	+13 32.1	1.868	2.805	7.6	21.3
2 11	10 17.95	+14 17.4	1.833	2.810	3.6	21.1
2 21	10 9.41	+15 2.9	1.827	2.814	1.5	21.0
3 2	10 0.95	+15 43.1	1.850	2.819	5.3	21.2
3 12	9 53.58	+16 13.3	1.901	2.823	9.1	21.5
3 22	9 48.04	+16 30.9	1.976	2.828	12.5	21.7

465179 2007 EL_{127} 2 19.9 17°.69 1°.1/19.2 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 37.22	+12 44.1	1.697	2.489	16.3	22.0
1 22	10 33.58	+12 55.2	1.615	2.491	12.9	21.8
2 1	10 27.23	+13 17.1	1.555	2.493	8.7	21.5
2 11	10 18.82	+13 45.3	1.519	2.496	4.2	21.3
2 21	10 9.31	+14 14.1	1.511	2.498	1.4	21.1
3 2	9 59.92	+14 37.6	1.530	2.502	5.8	21.4
3 12	9 51.86	+14 51.3	1.577	2.505	10.2	21.6
3 22	9 46.00	+14 53.0	1.646	2.509	14.1	21.9

408144 2013 CA_{103} 2 19.9 131°.13 3°.2/17.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 38.66	+14 49.0	1.706	2.500	16.2	21.2
1 22	10 34.70	+16 0.6	1.633	2.511	12.6	21.0
2 1	10 27.99	+17 24.5	1.582	2.522	8.5	20.8
2 11	10 19.18	+18 52.7	1.557	2.532	4.4	20.6
2 21	10 9.27	+20 15.8	1.561	2.542	3.6	20.5
3 2	9 59.51	+21 25.0	1.594	2.551	7.3	20.8
3 12	9 51.14	+22 14.7	1.652	2.560	11.3	21.0
3 22	9 45.03	+22 43.0	1.734	2.568	14.9	21.3

110518 2001 TY_{78} 2 19.9 123°.01 4°.0/15.3 18 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 36.29	+23 52.2	2.821	3.606	10.6	20.3
1 22	10 31.70	+24 47.3	2.751	3.622	8.3	20.2
2 1	10 25.34	+25 43.4	2.707	3.637	6.0	20.0
2 11	10 17.70	+26 35.1	2.692	3.651	4.2	19.9
2 21	10 9.45	+27 17.5	2.706	3.666	4.4	20.0
3 2	10 1.34	+27 46.8	2.751	3.679	6.2	20.1
3 12	9 54.12	+28 1.1	2.823	3.693	8.5	20.3
3 22	9 48.34	+28 0.5	2.920	3.706	10.7	20.4

291857 2006 OY_{15} 2 19.9 222°.38 1°.4/18.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 39.19	+12 45.3	2.142	2.914	14.0	22.0
1 22	10 34.72	+13 17.3	2.038	2.904	11.0	21.7
2 1	10 27.87	+13 59.8	1.958	2.893	7.5	21.5
2 11	10 19.13	+14 48.4	1.905	2.881	3.6	21.2
2 21	10 9.28	+15 37.3	1.881	2.868	1.7	21.1
3 2	9 59.34	+16 20.8	1.888	2.854	5.4	21.3
3 12	9 50.37	+16 53.9	1.923	2.840	9.4	21.5
3 22	9 43.23	+17 14.0	1.983	2.825	12.9	21.7

28467 Maurentejamie 2 19.9 11°.45 6°.9/15.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 12	10 37.08	+21 51.9	1.118	1.955	20.1	17.7
1 22	10 34.94	+22 56.1	1.056	1.957	15.9	17.4
2 1	10 28.93	+24 7.8	1.014	1.959	11.3	17.2
2 11	10 19.87	+25 14.8	0.993	1.962	7.5	17.0
2 21	10 9.21	+26 4.1	0.995	1.966	7.6	17.0
3 2	9 58.86	+26 26.1	1.021	1.972	11.3	17.2
3 12	9 50.67	+26 17.5	1.068	1.978	15.8	17.5
3 22	9 45.75	+25 41.1	1.134	1.984	20.0	17.8

304091 2006 HV_{20} 2 19.9 311°.45 3°.7/17.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 36.22	+16 35.7	1.380	2.197	18.1	20.8
1 22	10 33.77	+17 14.9	1.290	2.181	14.3	20.6
2 1	10 28.00	+18 6.4	1.220	2.165	9.9	20.3
2 11	10 19.47	+19 2.8	1.174	2.150	5.3	19.9
2 21	10 9.25	+19 54.5	1.153	2.135	4.2	19.8
3 2	9 58.90	+20 32.2	1.157	2.121	8.5	20.0
3 12	9 50.07	+20 49.5	1.186	2.107	13.5	20.3
3 22	9 43.98	+20 44.6	1.235	2.094	18.1	20.5

166847 2002 VM_{127} 2 19.9 77°.95 5°.3/14.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 37.18	+25 22.2	2.201	2.999	12.8	20.0
1 22	10 32.95	+26 23.1	2.135	3.011	10.1	19.8
2 1	10 26.47	+27 24.7	2.094	3.024	7.4	19.6
2 11	10 18.33	+28 19.5	2.080	3.037	5.5	19.5
2 21	10 9.41	+29 1.3	2.094	3.049	5.8	19.6
3 2	10 0.70	+29 25.2	2.136	3.062	7.9	19.7
3 12	9 53.17	+29 29.5	2.205	3.074	10.6	19.9
3 22	9 47.50	+29 15.1	2.296	3.087	13.1	20.1

324526 2006 VX_{113} 2 19.9 89°.90 3°.7/17.1 18 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 40.72	+18 42.9	1.843	2.636	15.2	21.0
1 22	10 35.93	+19 33.3	1.781	2.658	11.8	20.8
2 1	10 28.58	+20 29.5	1.743	2.680	8.0	20.6
2 11	10 19.36	+21 24.3	1.731	2.702	4.6	20.4
2 21	10 9.31	+22 10.3	1.747	2.723	4.1	20.5
3 2	9 59.59	+22 41.9	1.792	2.744	7.1	20.7
3 12	9 51.30	+22 56.0	1.864	2.765	10.6	20.9
3 22	9 45.19	+22 52.7	1.959	2.785	13.7	21.2

334810 2003 SS_{297} 2 19.9 124°.28 1°.4/21.4 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 37.78	+ 5 8.8	2.719	3.453	12.3	22.2
1 22	10 32.76	+ 5 9.8	2.634	3.472	9.8	22.0
2 1	10 26.03	+ 5 21.5	2.574	3.490	6.9	21.9
2 11	10 18.05	+ 5 41.8	2.541	3.508	3.8	21.7
2 21	10 9.46	+ 6 8.1	2.539	3.525	1.4	21.5
3 2	10 1.00	+ 6 37.0	2.568	3.542	3.5	21.7
3 12	9 53.38	+ 7 4.9	2.628	3.558	6.6	22.0
3 22	9 47.16	+ 7 28.9	2.714	3.573	9.3	22.2

278007 2006 UC_{188} 2 19.9 49°.21 4°.4/22.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 39.06	+ 1 22.0	1.619	2.373	18.6	19.9
1 22	10 35.08	+ 0 36.8	1.538	2.380	15.3	19.7
2 1	10 28.32	+ 0 9.2	1.477	2.388	11.4	19.4
2 11	10 19.39	− 0 0.3	1.438	2.396	7.3	19.2
2 21	10 9.30	+ 0 6.6	1.426	2.404	4.5	19.1
3 2	9 59.32	+ 0 26.2	1.441	2.413	6.0	19.2
3 12	9 50.72	+ 0 52.6	1.483	2.422	9.9	19.4
3 22	9 44.41	+ 1 19.8	1.549	2.431	13.7	19.7

158090 2000 WL_{47} 2 19.9 92°.83 4°.0/16.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 36.50	+19 5.6	1.997	2.794	14.0	19.9
1 22	10 32.58	+20 15.7	1.930	2.809	10.9	19.8
2 1	10 26.31	+21 32.2	1.886	2.824	7.5	19.6
2 11	10 18.30	+22 47.5	1.870	2.839	4.6	19.4
2 21	10 9.44	+23 53.9	1.882	2.854	4.5	19.4
3 2	10 0.75	+24 45.0	1.923	2.869	7.2	19.6
3 12	9 53.27	+25 17.2	1.991	2.883	10.5	19.9
3 22	9 47.73	+25 30.1	2.082	2.898	13.4	20.1

47046 1998 WM_{9} 2 19.9 67°.83 6°.1/15.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 40.37	+23 34.3	1.599	2.408	16.4	18.4
1 22	10 36.20	+24 41.8	1.542	2.425	12.9	18.2
2 1	10 29.03	+25 52.1	1.507	2.442	9.2	18.0
2 11	10 19.67	+26 55.3	1.497	2.459	6.5	17.9
2 21	10 9.29	+27 42.2	1.513	2.477	6.6	18.0
3 2	9 59.29	+28 6.5	1.557	2.494	9.4	18.2
3 12	9 50.98	+28 6.3	1.625	2.511	12.8	18.4
3 22	9 45.21	+27 43.8	1.715	2.528	15.9	18.6

144666 2004 FQ_{125} 2 19.9 357°.86 2°.3/21.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 33.40	+ 4 33.2	1.453	2.238	18.9	19.8
1 22	10 31.05	+ 4 24.8	1.369	2.236	15.3	19.6
2 1	10 25.81	+ 4 36.1	1.305	2.234	11.0	19.3
2 11	10 18.27	+ 5 5.2	1.263	2.233	6.2	19.0
2 21	10 9.43	+ 5 47.7	1.246	2.233	2.3	18.8
3 2	10 0.61	+ 6 36.7	1.256	2.233	5.6	19.0
3 12	9 53.17	+ 7 24.5	1.291	2.234	10.5	19.3
3 22	9 48.10	+ 8 4.5	1.348	2.236	14.9	19.5

415756 2000 QL_{212} 2 19.9 146°.58 1°.6/18.6 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 12	10 40.87	+15 16.5	2.502	3.268	12.4	22.1
1 22	10 35.41	+15 35.8	2.417	3.280	9.7	21.9
2 1	10 27.95	+16 0.8	2.357	3.290	6.5	21.7
2 11	10 19.02	+16 27.5	2.326	3.301	3.2	21.5
2 21	10 9.37	+16 51.7	2.325	3.310	1.8	21.5
3 2	9 59.86	+17 9.5	2.356	3.319	4.8	21.7
3 12	9 51.35	+17 18.3	2.416	3.327	8.0	21.9
3 22	9 44.47	+17 16.9	2.502	3.335	10.9	22.1

345556 2006 RR_{36} 2 19.9 184°.16 1°.4/21.3 17

1 12	10 35.84	+ 5 52.0	2.547	3.292	12.7	20.8
1 22	10 31.54	+ 5 44.2	2.448	3.292	10.2	20.6
2 1	10 25.38	+ 5 46.9	2.372	3.292	7.3	20.4
2 11	10 17.82	+ 5 58.6	2.324	3.292	4.0	20.2
2 21	10 9.50	+ 6 16.6	2.305	3.291	1.4	20.0
3 2	10 1.20	+ 6 37.8	2.316	3.290	3.8	20.2
3 12	9 53.70	+ 6 58.5	2.357	3.290	7.1	20.4
3 22	9 47.64	+ 7 15.8	2.425	3.289	10.1	20.6

68749 2002 EJ_{63} 2 19.9 198°.44 0°.7/20.6 18

1 12	10 38.05	+ 6 28.1	2.129	2.884	14.6	20.6
1 22	10 33.75	+ 6 51.3	2.029	2.880	11.7	20.3
2 1	10 27.17	+ 7 29.2	1.951	2.876	8.2	20.1
2 11	10 18.79	+ 8 18.7	1.899	2.871	4.2	19.9
2 21	10 9.39	+ 9 15.2	1.877	2.866	0.7	19.6
3 2	9 59.93	+10 12.7	1.885	2.859	4.6	19.9
3 12	9 51.43	+11 5.5	1.923	2.852	8.6	20.1
3 22	9 44.71	+11 49.1	1.985	2.844	12.2	20.3

447355 2005 YG_{244} 2 19.9 54°.07 0°.1/20.0 17

1 12	10 39.01	+ 9 20.9	1.285	2.085	20.1	22.1
1 22	10 35.62	+ 9 29.3	1.221	2.099	15.9	21.9
2 1	10 28.93	+ 9 55.0	1.175	2.113	10.9	21.7
2 11	10 19.73	+10 33.2	1.152	2.128	5.3	21.4
2 21	10 9.29	+11 16.5	1.155	2.143	0.6	21.1
3 2	9 59.18	+11 57.0	1.183	2.159	6.3	21.5
3 12	9 50.89	+12 27.8	1.237	2.174	11.5	21.9
3 22	9 45.39	+12 45.2	1.312	2.190	16.0	22.2

351631 2005 XQ_{71} 2 19.9 125°.63 3°.8/17.1 18

1 12	10 42.01	+17 35.2	1.705	2.498	16.2	21.3
1 22	10 37.29	+18 35.9	1.636	2.513	12.6	21.1
2 1	10 29.73	+19 45.3	1.590	2.528	8.6	20.9
2 11	10 20.03	+20 55.0	1.569	2.542	4.8	20.7
2 21	10 9.27	+21 56.3	1.578	2.555	4.3	20.7
3 2	9 58.76	+22 41.9	1.614	2.568	7.6	20.9
3 12	9 49.76	+23 7.6	1.677	2.580	11.5	21.2
3 22	9 43.16	+23 13.2	1.764	2.591	14.9	21.4

488538 2001 SV_{195} 2 20.0 164°.26 0°.3/20.2 18

1 12	10 39.66	+ 7 19.3	1.987	2.746	15.4	23.1
1 22	10 35.09	+ 7 50.2	1.898	2.753	12.2	22.9
2 1	10 28.09	+ 8 36.2	1.831	2.759	8.4	22.7
2 11	10 19.23	+ 9 33.5	1.791	2.765	4.2	22.4
2 21	10 9.36	+10 36.3	1.780	2.769	0.4	22.2
3 2	9 59.54	+11 38.0	1.799	2.772	4.9	22.5
3 12	9 50.84	+12 32.5	1.847	2.775	9.0	22.8
3 22	9 44.08	+13 15.6	1.921	2.777	12.7	23.0

461688 2005 NV_{23} 2 20.0 129°.06 5°.2/24.5 18

1 12	10 38.17	− 4 55.0	2.185	2.884	15.8	21.7
1 22	10 33.64	− 5 26.0	2.097	2.897	13.3	21.5
2 1	10 26.94	− 5 38.8	2.029	2.910	10.4	21.3
2 11	10 18.62	− 5 32.4	1.986	2.921	7.5	21.2
2 21	10 9.43	− 5 8.2	1.970	2.933	5.4	21.0
3 2	10 0.31	− 4 29.5	1.983	2.944	5.8	21.1
3 12	9 52.19	− 3 41.7	2.024	2.954	8.2	21.3
3 22	9 45.79	− 2 50.6	2.092	2.964	11.1	21.5

467157 2016 EY_{88} 2 20.0 237°.11 2°.0/21.9 18

1 12	10 34.23	+ 1 40.5	2.120	2.864	15.0	21.6
1 22	10 30.86	+ 2 8.2	2.011	2.852	12.3	21.3
2 1	10 25.27	+ 2 54.9	1.923	2.840	8.9	21.1
2 11	10 17.92	+ 3 58.9	1.861	2.827	5.1	20.8
2 21	10 9.50	+ 5 15.8	1.828	2.813	2.0	20.6
3 2	10 0.94	+ 6 39.3	1.824	2.800	4.5	20.7
3 12	9 53.24	+ 8 1.9	1.850	2.785	8.4	20.9
3 22	9 47.20	+ 9 17.2	1.901	2.771	12.2	21.1

316668 1995 OT_{10} 2 20.0 241°.73 1°.0/20.6 18

1 12	10 41.02	+ 8 2.3	1.581	2.357	18.0	21.2
1 22	10 37.01	+ 7 56.1	1.484	2.348	14.5	20.9
2 1	10 29.94	+ 8 4.8	1.408	2.338	10.2	20.6
2 11	10 20.34	+ 8 26.0	1.355	2.328	5.3	20.3
2 21	10 9.23	+ 8 55.1	1.329	2.318	1.0	20.0
3 2	9 57.98	+ 9 26.0	1.331	2.307	5.8	20.3
3 12	9 48.07	+ 9 52.6	1.360	2.295	10.9	20.6
3 22	9 40.63	+10 10.3	1.412	2.284	15.5	20.8

250172 2002 TT_{146} 2 20.0 86°.18 1°.6/21.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 12	10 39.60	+ 4 27.1	1.842	2.597	16.6	21.0
1 22	10 34.92	+ 4 38.2	1.776	2.625	13.2	20.8
2 1	10 27.84	+ 5 5.9	1.731	2.653	9.3	20.6
2 11	10 19.02	+ 5 46.8	1.711	2.680	5.0	20.4
2 21	10 9.41	+ 6 36.2	1.720	2.707	1.6	20.2
3 2	10 0.09	+ 7 27.8	1.758	2.733	4.6	20.5
3 12	9 52.10	+ 8 15.8	1.824	2.759	8.6	20.8
3 22	9 46.14	+ 8 55.7	1.916	2.784	12.2	21.1

61613 2000 QY_{97} 2 20.0 152°.22 1°.7/18.4 18

1 12	10 36.41	+13 27.2	2.107	2.888	13.9	19.1
1 22	10 32.43	+14 7.3	2.022	2.893	10.9	18.9
2 1	10 26.21	+14 57.2	1.960	2.897	7.3	18.7
2 11	10 18.30	+15 52.0	1.925	2.901	3.6	18.5
2 21	10 9.48	+16 45.6	1.919	2.905	2.0	18.4
3 2	10 0.74	+17 32.2	1.943	2.908	5.5	18.6
3 12	9 53.04	+18 7.1	1.995	2.911	9.2	18.8
3 22	9 47.14	+18 28.2	2.071	2.914	12.4	19.0

317029 2001 QM_{245} 2 20.0 115°.75 3°.4/17.5 18

1 12	10 42.94	+19 48.1	2.031	2.815	14.3	20.7
1 22	10 37.50	+20 15.9	1.958	2.830	11.1	20.5
2 1	10 29.59	+20 47.5	1.908	2.843	7.6	20.3
2 11	10 19.88	+21 16.8	1.886	2.857	4.3	20.1
2 21	10 9.32	+21 38.2	1.893	2.870	3.7	20.1
3 2	9 59.02	+21 47.1	1.929	2.883	6.6	20.3
3 12	9 50.07	+21 41.4	1.993	2.895	10.0	20.6
3 22	9 43.20	+21 21.5	2.081	2.907	13.0	20.8

417241 2005 YH_{122} 2 20.0 61°.10 2°.3/21.7 18

1 12	10 41.61	+ 4 44.3	1.730	2.486	17.4	20.8
1 22	10 36.54	+ 4 24.1	1.670	2.518	14.0	20.6
2 1	10 28.93	+ 4 19.6	1.630	2.551	9.9	20.4
2 11	10 19.53	+ 4 28.6	1.616	2.583	5.6	20.3
2 21	10 9.36	+ 4 47.6	1.630	2.615	2.4	20.1
3 2	9 59.60	+ 5 11.8	1.672	2.646	4.9	20.3
3 12	9 51.31	+ 5 36.0	1.742	2.678	8.8	20.6
3 22	9 45.22	+ 5 56.0	1.837	2.709	12.4	20.9

112275 2002 LG_{24} 2 20.0 240°.50 1°.2/21.1 18

1 12	10 36.15	+ 4 47.5	2.009	2.765	15.3	20.5
1 22	10 32.52	+ 5 9.2	1.900	2.752	12.4	20.2
2 1	10 26.51	+ 5 48.2	1.814	2.737	8.8	20.0
2 11	10 18.57	+ 6 41.8	1.752	2.723	4.7	19.7
2 21	10 9.44	+ 7 45.7	1.720	2.707	1.2	19.4
3 2	10 0.15	+ 8 53.4	1.716	2.691	4.7	19.6
3 12	9 51.78	+ 9 57.9	1.741	2.675	9.1	19.8
3 22	9 45.22	+10 53.8	1.792	2.658	13.0	20.0

67737 2000 UN_{28} 2 20.0 226°.56 3°.0/22.5 18

1 12	10 35.91	+ 0 31.6	1.827	2.574	17.0	19.9
1 22	10 32.52	+ 0 38.2	1.727	2.566	14.0	19.6
2 1	10 26.59	+ 1 5.6	1.646	2.559	10.3	19.4
2 11	10 18.63	+ 1 52.8	1.589	2.551	6.3	19.1
2 21	10 9.44	+ 2 55.9	1.560	2.543	3.1	18.9
3 2	10 0.14	+ 4 8.9	1.559	2.534	5.2	19.0
3 12	9 51.89	+ 5 23.5	1.586	2.525	9.3	19.2
3 22	9 45.61	+ 6 32.7	1.638	2.515	13.4	19.4

10815 Östergarn 2 20.0 198°.60 0°.5/19.4 18

1 12	10 33.07	+10 34.9	2.874	3.636	11.0	20.3
1 22	10 29.22	+11 6.4	2.774	3.633	8.7	20.1
2 1	10 23.74	+11 46.7	2.699	3.630	5.9	19.9
2 11	10 17.03	+12 32.7	2.651	3.626	2.8	19.7
2 21	10 9.64	+13 20.4	2.634	3.622	0.7	19.5
3 2	10 2.24	+14 5.8	2.649	3.618	3.8	19.8
3 12	9 55.52	+14 45.2	2.692	3.613	6.9	20.0
3 22	9 50.04	+15 15.9	2.763	3.608	9.6	20.1

467516 2007 EM_{217} 2 20.0 299°.44 2°.0/21.6 17

1 12	10 33.21	+ 3 33.6	1.852	2.616	16.2	22.0
1 22	10 30.34	+ 3 42.6	1.753	2.607	13.2	21.8
2 1	10 25.06	+ 4 9.7	1.675	2.598	9.5	21.5
2 11	10 17.86	+ 4 53.0	1.621	2.589	5.3	21.3
2 21	10 9.54	+ 5 48.4	1.594	2.580	2.0	21.0
3 2	10 1.12	+ 6 49.8	1.596	2.572	4.8	21.2
3 12	9 53.73	+ 7 50.1	1.624	2.564	9.1	21.4
3 22	9 48.22	+ 8 43.2	1.678	2.555	13.1	21.6

378784 2008 SD_{48} 2 20.0 190°.52 0°.0/19.9 17

1 12	10 35.69	+ 9 16.3	2.264	3.030	13.5	21.6
1 22	10 31.72	+ 9 35.0	2.169	3.029	10.7	21.4
2 1	10 25.68	+10 4.9	2.098	3.028	7.4	21.1
2 11	10 18.04	+10 42.8	2.053	3.027	3.6	20.9
2 21	10 9.54	+11 24.4	2.037	3.026	0.4	20.6
3 2	10 1.05	+12 4.7	2.051	3.024	4.4	21.0
3 12	9 53.48	+12 39.2	2.094	3.022	8.1	21.2
3 22	9 47.53	+13 4.8	2.163	3.020	11.4	21.4