2020	α_{2000}	δ_{2000}	Δ	r	β	V
385425 2003 DA_{10}			3 27.9 358°.96		7°.4/29.9 17	
	h m	° ′			°	m
2 21	13 12.36	−11 13.6	1.499	2.270	19.3	19.4
3 2	13 4.34	−13 54.7	1.407	2.265	16.0	19.2
3 12	12 52.49	−16 30.8	1.338	2.261	12.1	18.9
3 22	12 37.48	−18 53.5	1.297	2.260	8.6	18.7
4 1	12 20.70	−20 54.3	1.285	2.260	7.5	18.7
4 11	12 4.12	−22 28.5	1.304	2.261	9.9	18.8
4 21	11 49.56	−23 37.3	1.349	2.264	13.7	19.0
5 1	11 38.41	−24 27.2	1.418	2.269	17.3	19.2
51247 2000 JL_{45}			3 27.9 310°.68		0°.5/28.5 18	
2 21	12 48.69	− 6 46.7	2.099	2.907	13.2	19.2
3 2	12 44.85	− 6 21.9	2.010	2.904	10.2	19.0
3 12	12 39.14	− 5 43.6	1.946	2.900	6.6	18.8
3 22	12 32.08	− 4 55.0	1.907	2.897	2.7	18.5
4 1	12 24.46	− 4 1.0	1.897	2.894	1.5	18.4
4 11	12 17.16	− 3 7.5	1.915	2.891	5.5	18.7
4 21	12 10.96	− 2 20.1	1.960	2.888	9.3	18.9
5 1	12 6.48	− 1 43.3	2.029	2.885	12.6	19.1
496318 2013 HT_{43}			3 27.9 272°.29		2°.6/30.2 17	
2 21	12 52.07	−12 6.8	1.712	2.507	16.3	22.0
3 2	12 48.18	−11 56.0	1.604	2.484	13.1	21.8
3 12	12 41.72	−11 24.3	1.516	2.460	9.2	21.5
3 22	12 33.22	−10 32.3	1.452	2.436	4.9	21.2
4 1	12 23.62	− 9 24.1	1.415	2.411	2.8	21.0
4 11	12 14.16	− 8 7.1	1.406	2.386	6.6	21.1
4 21	12 6.00	− 6 50.3	1.423	2.360	11.3	21.3
5 1	12 0.11	− 5 42.3	1.462	2.334	15.7	21.5
3412 Kafka			3 27.9 111°.37		1°.9/29.5 18	
2 21	12 55.39	− 9 48.1	1.489	2.297	17.8	17.0
3 2	12 50.58	− 9 40.2	1.418	2.308	13.9	16.8
3 12	12 43.05	− 9 12.6	1.368	2.318	9.4	16.5
3 22	12 33.62	− 8 27.8	1.342	2.329	4.5	16.3
4 1	12 23.46	− 7 31.7	1.342	2.339	2.4	16.1
4 11	12 13.94	− 6 32.5	1.370	2.349	6.8	16.4
4 21	12 6.18	− 5 38.3	1.422	2.358	11.4	16.7
5 1	12 0.97	− 4 55.7	1.497	2.367	15.5	17.0
82278 2001 KE_{25}			3 27.9 247°.61		3°.4/30.7 18	
2 21	12 53.74	−13 29.9	1.591	2.382	17.5	19.7
3 2	12 49.56	−13 29.2	1.493	2.369	14.2	19.4
3 12	12 42.64	−13 6.1	1.416	2.356	10.1	19.2
3 22	12 33.57	−12 20.9	1.362	2.342	5.7	18.9
4 1	12 23.42	−11 17.3	1.334	2.327	3.5	18.7
4 11	12 13.53	−10 2.8	1.333	2.312	6.9	18.9
4 21	12 5.16	− 8 47.1	1.357	2.297	11.6	19.1
5 1	11 59.27	− 7 39.3	1.404	2.281	16.0	19.3
112353 2002 NB_{13}			3 27.9 294°.50		0°.8/27.4 17	
2 21	12 50.01	− 4 27.2	1.517	2.349	16.3	20.2
3 2	12 46.73	− 3 50.1	1.423	2.331	12.5	19.9
3 12	12 40.81	− 2 55.5	1.350	2.312	8.0	19.6
3 22	12 32.86	− 1 47.9	1.301	2.294	3.0	19.3
4 1	12 23.89	− 0 34.7	1.279	2.275	2.6	19.2
4 11	12 15.20	+ 0 34.4	1.283	2.257	7.9	19.5
4 21	12 7.97	+ 1 31.0	1.311	2.239	12.9	19.7
5 1	12 3.14	+ 2 9.1	1.360	2.221	17.3	19.9
40795 1999 TF_{36}			3 27.9 192°.95		4°.0/23.9 18	
2 21	12 52.75	+ 4 35.4	1.860	2.695	13.6	18.8
3 2	12 48.11	+ 5 44.3	1.783	2.694	10.2	18.6
3 12	12 41.29	+ 7 0.2	1.731	2.693	6.7	18.3
3 22	12 32.92	+ 8 15.9	1.706	2.690	4.1	18.2
4 1	12 23.92	+ 9 23.2	1.709	2.688	5.4	18.3
4 11	12 15.36	+10 14.9	1.739	2.684	8.9	18.4
4 21	12 8.14	+10 47.0	1.795	2.681	12.4	18.7
5 1	12 2.94	+10 57.8	1.872	2.676	15.6	18.9
500890 2013 LS_{4}			3 27.9 318°.27		4°.0/25.1 17	
2 21	12 50.29	+ 2 52.3	1.260	2.119	17.3	21.1
3 2	12 47.41	+ 3 34.7	1.175	2.098	13.2	20.8
3 12	12 41.49	+ 4 28.6	1.111	2.078	8.5	20.5
3 22	12 33.18	+ 5 26.2	1.069	2.059	4.4	20.2
4 1	12 23.68	+ 6 17.6	1.052	2.040	5.7	20.2
4 11	12 14.53	+ 6 52.9	1.059	2.023	10.7	20.4
4 21	12 7.14	+ 7 5.6	1.087	2.006	15.8	20.7
5 1	12 2.56	+ 6 53.1	1.133	1.990	20.4	20.9
227074 2005 JG_{89}			3 27.9 28°.11		0°.4/27.5 18	
2 21	12 46.65	− 3 12.3	2.618	3.431	10.8	19.9
3 2	12 42.86	− 2 51.3	2.540	3.438	8.1	19.8
3 12	12 37.64	− 2 22.3	2.487	3.445	5.1	19.6
3 22	12 31.46	− 1 48.3	2.461	3.453	1.9	19.4
4 1	12 24.92	− 1 13.1	2.465	3.461	1.6	19.4
4 11	12 18.68	− 0 40.7	2.498	3.470	4.8	19.6
4 21	12 13.32	− 0 14.6	2.559	3.478	7.8	19.8
5 1	12 9.31	+ 0 2.7	2.644	3.487	10.4	20.0

2020	α_{2000}	δ_{2000}	Δ	r	β	V
206975 2004 TE_{79}			3 27.9 117°.75		2°.6/25.8 18	
	h m	° ′			°	m
2 21	12 57.62	+ 1 43.0	1.765	2.589	14.7	20.9
3 2	12 51.66	+ 2 23.5	1.704	2.609	11.0	20.7
3 12	12 43.42	+ 3 11.4	1.666	2.628	6.9	20.5
3 22	12 33.68	+ 4 0.7	1.656	2.646	3.1	20.3
4 1	12 23.48	+ 4 44.8	1.674	2.663	3.9	20.4
4 11	12 13.96	+ 5 17.6	1.720	2.680	7.7	20.7
4 21	12 6.03	+ 5 35.5	1.792	2.695	11.5	20.9
5 1	12 0.33	+ 5 37.0	1.887	2.711	14.7	21.2
426276 2012 SL_{23}			3 27.9 79°.61		1°.6/26.4 17	
2 21	12 51.03	+ 0 16.7	2.136	2.960	12.5	21.3
3 2	12 46.50	+ 0 43.1	2.059	2.963	9.4	21.1
3 12	12 40.11	+ 1 16.9	2.005	2.967	5.9	20.9
3 22	12 32.43	+ 1 53.8	1.979	2.970	2.4	20.7
4 1	12 24.27	+ 2 28.8	1.981	2.974	2.8	20.7
4 11	12 16.50	+ 2 57.2	2.012	2.977	6.3	21.0
4 21	12 9.88	+ 3 15.1	2.070	2.980	9.8	21.2
5 1	12 4.99	+ 3 20.3	2.150	2.984	12.8	21.4
334794 2003 SJ_{177}			3 28.0 195°.10		1°.4/26.5 17	
2 21	12 52.05	− 0 22.0	2.338	3.153	11.8	21.5
3 2	12 47.16	+ 0 5.6	2.251	3.151	8.9	21.3
3 12	12 40.50	+ 0 40.6	2.189	3.149	5.6	21.0
3 22	12 32.59	+ 1 19.3	2.155	3.147	2.2	20.8
4 1	12 24.17	+ 1 57.1	2.151	3.144	2.5	20.8
4 11	12 16.07	+ 2 29.2	2.176	3.140	6.0	21.0
4 21	12 9.02	+ 2 52.0	2.228	3.137	9.3	21.2
5 1	12 3.60	+ 3 2.9	2.305	3.133	12.3	21.4
452519 2004 SJ_{53}			3 28.0 149°.79		0°.6/28.6 18	
2 21	12 53.39	− 8 27.3	1.818	2.620	15.2	22.2
3 2	12 48.61	− 7 45.2	1.740	2.629	11.7	22.0
3 12	12 41.60	− 6 45.4	1.685	2.638	7.7	21.8
3 22	12 33.04	− 5 32.2	1.656	2.645	3.2	21.5
4 1	12 23.88	− 4 12.2	1.655	2.652	1.7	21.4
4 11	12 15.23	− 2 53.5	1.683	2.659	6.2	21.7
4 21	12 7.99	− 1 43.6	1.738	2.664	10.4	22.0
5 1	12 2.83	− 0 48.1	1.816	2.669	14.0	22.2
310963 2003 UQ_{119}			3 28.0 104°.50		1°.3/29.2 18	
2 21	12 54.07	− 9 2.4	1.714	2.517	16.0	21.3
3 2	12 49.17	− 8 42.2	1.645	2.533	12.4	21.1
3 12	12 41.95	− 8 4.7	1.598	2.549	8.2	20.9
3 22	12 33.16	− 7 13.3	1.576	2.564	3.7	20.7
4 1	12 23.82	− 6 13.7	1.582	2.579	1.9	20.6
4 11	12 15.07	− 5 13.3	1.616	2.594	6.1	20.9
4 21	12 7.86	− 4 19.2	1.676	2.608	10.3	21.2
5 1	12 2.85	− 3 36.7	1.760	2.622	13.9	21.4
337827 2001 VE_{39}			3 28.0 67°.55		8°.8/ 9.9 17	
2 21	12 48.82	−35 30.2	2.380	3.010	16.4	20.1
3 2	12 45.05	−35 45.4	2.292	3.021	14.7	19.9
3 12	12 39.29	−35 33.4	2.221	3.031	12.7	19.8
3 22	12 32.15	−34 52.1	2.170	3.042	10.8	19.7
4 1	12 24.48	−33 41.6	2.142	3.052	9.3	19.6
4 11	12 17.24	−32 6.4	2.140	3.063	8.8	19.6
4 21	12 11.24	−30 13.4	2.165	3.074	9.5	19.6
5 1	12 7.10	−28 11.8	2.214	3.085	11.2	19.8
72389 2001 CE_{16}			3 28.0 291°.42		3°.5/24.7 18	
2 21	12 50.59	+ 4 7.8	1.893	2.731	13.3	19.5
3 2	12 46.54	+ 4 54.6	1.806	2.718	10.0	19.3
3 12	12 40.35	+ 5 48.1	1.744	2.706	6.5	19.1
3 22	12 32.60	+ 6 42.1	1.707	2.694	3.7	18.9
4 1	12 24.16	+ 7 30.0	1.699	2.682	4.7	18.9
4 11	12 16.05	+ 8 5.2	1.717	2.670	8.3	19.1
4 21	12 9.18	+ 8 23.7	1.761	2.659	12.0	19.3
5 1	12 4.26	+ 8 23.5	1.826	2.647	15.3	19.5
508505 2016 QY_{20}			3 28.0 282°.24		4°.5/ 1.9 17	
2 21	12 49.19	−18 37.1	2.380	3.126	13.7	20.9
3 2	12 45.21	−18 51.4	2.277	3.117	11.3	20.8
3 12	12 39.39	−18 48.2	2.196	3.108	8.7	20.6
3 22	12 32.22	−18 27.2	2.139	3.099	6.0	20.4
4 1	12 24.42	−17 49.8	2.110	3.089	4.5	20.3
4 11	12 16.82	−17 0.2	2.109	3.080	5.6	20.3
4 21	12 10.22	−16 3.8	2.135	3.071	8.2	20.5
5 1	12 5.25	−15 6.8	2.187	3.062	11.1	20.6
115686 2003 UU_{151}			3 28.0 279°.66		4°.4/31.4 17	
2 21	12 52.45	−14 54.9	1.624	2.410	17.4	20.4
3 2	12 48.63	−15 11.6	1.522	2.392	14.3	20.1
3 12	12 42.09	−15 6.8	1.439	2.374	10.5	19.8
3 22	12 33.41	−14 39.6	1.380	2.355	6.5	19.6
4 1	12 23.59	−13 52.1	1.346	2.336	4.4	19.4
4 11	12 13.95	−12 50.5	1.339	2.317	7.1	19.5
4 21	12 5.74	−11 43.3	1.357	2.298	11.4	19.7
5 1	11 59.95	−10 39.9	1.397	2.280	15.7	19.9

101653 1999 CK_{68} 3 28.0 77°.06 5°.7/ 1.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 55.50	−17 52.7	1.746	2.507	17.4	18.2
3 2	12 50.50	−18 35.8	1.668	2.517	14.3	18.0
3 12	12 42.97	−18 58.1	1.611	2.528	10.9	17.8
3 22	12 33.63	−18 58.0	1.578	2.539	7.6	17.7
4 1	12 23.53	−18 36.7	1.570	2.549	5.7	17.6
4 11	12 13.92	−17 59.2	1.590	2.560	7.1	17.7
4 21	12 5.87	−17 12.7	1.635	2.570	10.3	17.9
5 1	12 0.16	−16 24.9	1.703	2.581	13.5	18.1

130421 2000 PN_{11} 3 28.0 186°.76 6°.5/21.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 54.50	+10 43.3	1.708	2.551	14.2	19.6
3 2	12 49.62	+12 4.0	1.640	2.551	11.0	19.4
3 12	12 42.34	+13 26.2	1.596	2.550	7.9	19.2
3 22	12 33.36	+14 40.6	1.579	2.549	6.5	19.1
4 1	12 23.73	+15 38.1	1.588	2.548	8.0	19.2
4 11	12 14.64	+16 12.3	1.624	2.546	11.1	19.4
4 21	12 7.09	+16 20.7	1.683	2.544	14.4	19.6
5 1	12 1.79	+16 4.0	1.761	2.541	17.3	19.8

208237 2000 SH_{320} 3 28.0 221°.48 1°.0/26.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 46.98	− 3 28.4	2.547	3.360	11.1	20.6
3 2	12 43.25	− 2 28.4	2.455	3.355	8.3	20.4
3 12	12 37.99	− 1 17.6	2.389	3.349	5.2	20.1
3 22	12 31.65	− 0 0.2	2.351	3.343	1.9	19.9
4 1	12 24.86	+ 1 18.3	2.343	3.337	2.2	19.9
4 11	12 18.33	+ 2 32.0	2.365	3.331	5.5	20.1
4 21	12 12.67	+ 3 35.8	2.415	3.324	8.7	20.3
5 1	12 8.40	+ 4 26.2	2.489	3.317	11.5	20.5

89392 2001 VG_{112} 3 28.0 229°.95 0°.5/27.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 52.92	− 3 40.5	2.171	2.979	12.9	21.0
3 2	12 48.08	− 3 15.1	2.073	2.968	9.8	20.8
3 12	12 41.25	− 2 38.9	1.999	2.957	6.3	20.5
3 22	12 32.96	− 1 55.0	1.953	2.944	2.3	20.3
4 1	12 24.00	− 1 8.4	1.936	2.932	1.9	20.2
4 11	12 15.29	− 0 24.5	1.948	2.919	6.0	20.4
4 21	12 7.68	+ 0 11.6	1.987	2.905	9.8	20.6
5 1	12 1.84	+ 0 36.0	2.051	2.891	13.1	20.8

330939 2009 SP_{234} 3 28.0 100°.35 7°.7/19.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 52.91	+16 27.5	1.876	2.718	13.2	20.4
3 2	12 48.13	+17 52.2	1.825	2.728	10.5	20.3
3 12	12 41.21	+19 11.6	1.798	2.737	8.4	20.1
3 22	12 32.88	+20 17.2	1.797	2.747	7.8	20.1
4 1	12 24.11	+21 1.5	1.823	2.756	9.1	20.2
4 11	12 15.94	+21 20.1	1.873	2.766	11.5	20.4
4 21	12 9.22	+21 12.6	1.947	2.775	14.1	20.6
5 1	12 4.53	+20 41.2	2.039	2.784	16.4	20.8

347674 2001 UB_{70} 3 28.0 159°.13 0°.1/28.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 49.38	− 5 21.2	2.542	3.344	11.4	21.8
3 2	12 45.02	− 4 55.0	2.457	3.347	8.7	21.7
3 12	12 39.08	− 4 18.6	2.396	3.351	5.6	21.5
3 22	12 32.07	− 3 35.1	2.363	3.354	2.1	21.2
4 1	12 24.63	− 2 48.5	2.360	3.357	1.4	21.2
4 11	12 17.50	− 2 3.5	2.386	3.359	4.8	21.4
4 21	12 11.30	− 1 24.2	2.441	3.362	8.0	21.6
5 1	12 6.55	− 0 54.2	2.520	3.364	10.9	21.8

144938 2005 EC_{16} 3 28.0 349°.67 0°.9/27.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 49.48	− 3 43.9	1.311	2.155	17.6	19.9
3 2	12 46.50	− 3 13.0	1.236	2.150	13.5	19.6
3 12	12 40.71	− 2 24.9	1.182	2.146	8.6	19.3
3 22	12 32.85	− 1 25.3	1.151	2.143	3.2	19.0
4 1	12 24.10	− 0 22.5	1.145	2.141	2.9	18.9
4 11	12 15.87	+ 0 33.9	1.164	2.139	8.3	19.3
4 21	12 9.39	+ 1 16.0	1.206	2.138	13.4	19.5
5 1	12 5.51	+ 1 38.6	1.268	2.138	17.7	19.8

308186 2005 CW_{43} 3 28.0 29°.01 2°.0/26.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 49.57	− 2 15.3	1.221	2.073	18.2	19.9
3 2	12 46.53	− 1 27.3	1.162	2.081	13.7	19.6
3 12	12 40.65	− 0 23.0	1.123	2.090	8.6	19.3
3 22	12 32.78	+ 0 49.8	1.107	2.100	3.3	19.1
4 1	12 24.20	+ 2 1.0	1.116	2.110	3.7	19.1
4 11	12 16.36	+ 3 0.4	1.149	2.121	8.9	19.4
4 21	12 10.40	+ 3 40.7	1.205	2.133	13.8	19.7
5 1	12 7.09	+ 3 58.4	1.281	2.146	17.9	20.0

109138 2001 QF_{55} 3 28.0 166°.98 0°.2/28.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 53.49	− 5 54.4	2.562	3.353	11.6	21.4
3 2	12 48.08	− 5 29.7	2.475	3.360	8.9	21.2
3 12	12 41.02	− 4 54.7	2.414	3.366	5.7	21.0
3 22	12 32.81	− 4 12.0	2.380	3.371	2.3	20.8
4 1	12 24.17	− 3 25.7	2.378	3.375	1.4	20.7
4 11	12 15.84	− 2 40.5	2.405	3.378	4.9	21.0
4 21	12 8.52	− 2 0.5	2.462	3.380	8.1	21.2
5 1	12 2.74	− 1 29.4	2.544	3.382	10.9	21.4

433185 2012 TE_{318} 3 28.0 156°.96 3°.3/23.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 48.68	+ 5 0.6	2.473	3.304	10.8	21.3
3 2	12 44.50	+ 6 6.7	2.400	3.308	8.1	21.2
3 12	12 38.75	+ 7 17.4	2.352	3.312	5.3	21.0
3 22	12 31.95	+ 8 27.1	2.333	3.316	3.3	20.9
4 1	12 24.74	+ 9 30.0	2.343	3.320	4.4	20.9
4 11	12 17.87	+10 20.9	2.382	3.323	7.1	21.1
4 21	12 11.96	+10 56.7	2.448	3.326	9.8	21.3
5 1	12 7.51	+11 15.8	2.536	3.328	12.3	21.5

170024 2002 VH 3 28.0 142°.72 3°.6/23.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 51.24	+ 7 53.3	2.620	3.447	10.4	20.7
3 2	12 46.29	+ 8 42.2	2.552	3.456	7.8	20.6
3 12	12 39.81	+ 9 32.6	2.509	3.466	5.3	20.4
3 22	12 32.33	+10 19.5	2.496	3.475	3.6	20.3
4 1	12 24.51	+10 58.3	2.512	3.483	4.6	20.4
4 11	12 17.05	+11 25.1	2.557	3.491	7.0	20.6
4 21	12 10.57	+11 37.7	2.629	3.499	9.5	20.7
5 1	12 5.55	+11 35.5	2.723	3.506	11.8	20.9

166221 2002 EC_{155} 3 28.0 207°.28 0°.5/28.5 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 56.04	− 5 49.2	1.854	2.659	14.9	20.9
3 2	12 50.77	− 5 41.6	1.763	2.654	11.5	20.7
3 12	12 43.12	− 5 21.0	1.695	2.649	7.5	20.4
3 22	12 33.73	− 4 49.9	1.654	2.644	3.1	20.1
4 1	12 23.54	− 4 12.9	1.641	2.638	1.8	20.0
4 11	12 13.72	− 3 35.9	1.656	2.632	6.3	20.3
4 21	12 5.26	− 3 4.5	1.698	2.624	10.6	20.5
5 1	11 58.96	− 2 43.3	1.764	2.617	14.3	20.7

137336 1999 TG_{68} 3 28.0 30°.38 0°.5/27.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 49.55	− 5 9.1	1.310	2.150	17.9	19.9
3 2	12 46.39	− 4 32.4	1.246	2.158	13.6	19.6
3 12	12 40.51	− 3 37.5	1.203	2.167	8.6	19.4
3 22	12 32.73	− 2 30.1	1.184	2.176	3.2	19.1
4 1	12 24.25	− 1 19.1	1.189	2.186	2.5	19.0
4 11	12 16.44	− 0 14.5	1.220	2.197	7.9	19.4
4 21	12 10.41	+ 0 35.8	1.275	2.208	12.7	19.7
5 1	12 6.91	+ 1 6.8	1.349	2.220	16.9	20.0

224916 2007 DQ_{24} 3 28.0 262°.82 1°.0/28.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 51.57	− 7 34.3	1.854	2.662	14.8	20.8
3 2	12 47.37	− 7 21.6	1.765	2.656	11.5	20.6
3 12	12 40.94	− 6 54.0	1.697	2.650	7.6	20.3
3 22	12 32.89	− 6 14.1	1.656	2.645	3.3	20.0
4 1	12 24.11	− 5 26.5	1.642	2.639	1.7	19.9
4 11	12 15.67	− 4 37.5	1.655	2.633	6.1	20.2
4 21	12 8.52	− 3 53.6	1.695	2.627	10.2	20.4
5 1	12 3.38	− 3 19.9	1.759	2.621	13.9	20.6

464739 2003 KD_{16} 3 28.0 307°.45 3°.0/25.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 48.78	+ 1 2.6	1.672	2.514	14.5	20.8
3 2	12 45.48	+ 1 59.6	1.585	2.500	11.0	20.6
3 12	12 39.85	+ 3 8.2	1.522	2.487	7.0	20.3
3 22	12 32.50	+ 4 21.8	1.483	2.473	3.4	20.1
4 1	12 24.36	+ 5 32.0	1.472	2.460	4.4	20.1
4 11	12 16.56	+ 6 30.4	1.487	2.448	8.6	20.3
4 21	12 10.10	+ 7 10.9	1.527	2.435	12.8	20.5
5 1	12 5.76	+ 7 30.3	1.587	2.423	16.5	20.7

292667 2006 UD_{69} 3 28.0 133°.65 2°.7/24.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 49.49	+ 4 41.8	2.751	3.575	10.0	21.4
3 2	12 44.91	+ 5 27.1	2.680	3.585	7.5	21.3
3 12	12 38.92	+ 6 15.6	2.635	3.595	4.8	21.1
3 22	12 32.00	+ 7 3.3	2.620	3.605	2.8	21.0
4 1	12 24.75	+ 7 45.6	2.634	3.614	3.6	21.0
4 11	12 17.83	+ 8 18.6	2.677	3.623	6.1	21.2
4 21	12 11.81	+ 8 39.8	2.748	3.632	8.7	21.4
5 1	12 7.13	+ 8 47.8	2.842	3.640	11.0	21.6

372470 2009 SK_{170} 3 28.0 107°.77 0°.3/28.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 55.51	− 4 46.6	1.955	2.761	14.2	21.4
3 2	12 50.03	− 4 43.0	1.882	2.774	10.8	21.2
3 12	12 42.43	− 4 28.3	1.832	2.787	7.0	21.0
3 22	12 33.40	− 4 5.6	1.809	2.799	2.7	20.7
4 1	12 23.84	− 3 38.9	1.814	2.811	1.6	20.6
4 11	12 14.79	− 3 13.4	1.849	2.823	5.8	21.0
4 21	12 7.11	− 2 53.4	1.910	2.835	9.7	21.2
5 1	12 1.43	− 2 42.5	1.996	2.846	13.0	21.4

150166 1997 WS_{1} 3 28.0 156°.92 0°.8/27.2 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 53.06	− 2 56.4	2.276	3.084	12.4	21.7
3 2	12 47.94	− 2 22.4	2.196	3.092	9.3	21.5
3 12	12 41.01	− 1 38.6	2.141	3.099	5.9	21.3
3 22	12 32.85	− 0 48.9	2.114	3.106	2.2	21.0
4 1	12 24.22	+ 0 1.5	2.116	3.111	2.0	21.0
4 11	12 15.97	+ 0 47.5	2.149	3.117	5.7	21.3
4 21	12 8.85	+ 1 24.6	2.208	3.121	9.2	21.5
5 1	12 3.42	+ 1 49.7	2.293	3.125	12.2	21.7

289195 2004 WL_{11} 3 28.0 124°.04 2°.1/26.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 55.40	− 0 24.8	1.803	2.625	14.5	21.3
3 2	12 50.02	+ 0 28.7	1.739	2.643	10.9	21.1
3 12	12 42.44	+ 1 32.2	1.698	2.660	6.8	20.9
3 22	12 33.40	+ 2 39.5	1.685	2.676	2.8	20.7
4 1	12 23.88	+ 3 43.3	1.701	2.691	3.5	20.7
4 11	12 14.98	+ 4 36.5	1.745	2.706	7.4	21.0
4 21	12 7.56	+ 5 14.5	1.814	2.720	11.2	21.3
5 1	12 2.26	+ 5 34.8	1.907	2.733	14.5	21.5

374066 2004 RR_{47} 3 28.0 173°.68 0°.3/28.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 52.12	− 6 24.1	2.612	3.404	11.4	22.2
3 2	12 47.06	− 5 59.8	2.523	3.407	8.8	22.1
3 12	12 40.39	− 5 24.9	2.459	3.410	5.7	21.9
3 22	12 32.61	− 4 42.1	2.423	3.412	2.3	21.6
4 1	12 24.38	− 3 55.3	2.417	3.414	1.3	21.6
4 11	12 16.45	− 3 9.1	2.442	3.415	4.7	21.8
4 21	12 9.47	− 2 27.6	2.495	3.415	7.9	22.0
5 1	12 3.97	− 1 54.6	2.574	3.415	10.7	22.2

22763 1999 AW_3 3 28.0 151°.71 4°.0/23.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 53.38	+ 6 15.4	2.066	2.897	12.6	19.2
3 2	12 48.33	+ 7 13.8	1.996	2.904	9.5	19.0
3 12	12 41.31	+ 8 16.1	1.952	2.911	6.3	18.9
3 22	12 32.98	+ 9 15.7	1.935	2.917	4.1	18.7
4 1	12 24.16	+10 6.2	1.947	2.923	5.2	18.8
4 11	12 15.81	+10 42.1	1.988	2.928	8.2	19.0
4 21	12 8.72	+11 0.4	2.053	2.933	11.3	19.2
5 1	12 3.48	+11 0.4	2.141	2.938	14.1	19.4

173447 2000 PT_2 3 28.0 199°.65 0°.1/28.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 53.17	− 6 39.1	1.912	2.718	14.4	21.2
3 2	12 48.50	− 5 56.7	1.822	2.714	11.1	21.0
3 12	12 41.63	− 4 58.3	1.755	2.710	7.2	20.7
3 22	12 33.17	− 3 48.0	1.715	2.706	2.8	20.4
4 1	12 24.01	− 2 32.0	1.703	2.700	1.8	20.3
4 11	12 15.21	− 1 18.0	1.721	2.694	6.3	20.6
4 21	12 7.69	− 0 13.1	1.765	2.687	10.5	20.8
5 1	12 2.17	+ 0 37.3	1.833	2.680	14.2	21.1

346961 2010 CU_1 3 28.0 106°.56 2°.1/26.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 58.22	− 1 38.4	1.633	2.453	15.9	21.6
3 2	12 52.20	− 0 34.4	1.580	2.482	11.8	21.4
3 12	12 43.81	+ 0 41.3	1.550	2.511	7.3	21.2
3 22	12 33.90	+ 2 1.5	1.547	2.538	2.9	21.0
4 1	12 23.62	+ 3 17.5	1.573	2.564	3.5	21.1
4 11	12 14.14	+ 4 21.4	1.627	2.590	7.8	21.4
4 21	12 6.41	+ 5 7.9	1.707	2.614	11.8	21.7
5 1	12 1.02	+ 5 34.7	1.809	2.637	15.1	21.9

293461 2007 EB_{203} 3 28.0 274°.07 0°.6/27.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 51.81	− 5 12.9	1.436	2.266	17.1	21.6
3 2	12 48.30	− 4 32.9	1.343	2.249	13.2	21.3
3 12	12 41.97	− 3 33.2	1.271	2.232	8.5	21.0
3 22	12 33.43	− 2 18.5	1.223	2.215	3.2	20.6
4 1	12 23.79	− 0 56.8	1.201	2.198	2.6	20.5
4 11	12 14.43	+ 0 21.2	1.206	2.180	8.3	20.8
4 21	12 6.66	+ 1 26.1	1.234	2.163	13.5	21.0
5 1	12 1.46	+ 2 11.0	1.283	2.145	18.1	21.2

133272 2003 SN_{10} 3 28.0 262°.21 0°.6/28.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 52.61	− 7 47.3	1.807	2.613	15.1	20.8
3 2	12 48.44	− 7 15.5	1.699	2.591	11.8	20.5
3 12	12 41.84	− 6 25.6	1.613	2.567	7.8	20.2
3 22	12 33.35	− 5 20.4	1.553	2.543	3.3	19.9
4 1	12 23.85	− 4 5.4	1.521	2.519	1.8	19.7
4 11	12 14.51	− 2 48.9	1.517	2.493	6.7	20.0
4 21	12 6.41	− 1 39.0	1.540	2.468	11.4	20.2
5 1	12 0.43	− 0 42.6	1.585	2.441	15.5	20.4

68820 2002 GB_{72} 3 28.0 271°.48 0°.7/27.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 48.09	− 5 27.7	2.037	2.852	13.3	20.1
3 2	12 44.61	− 4 26.7	1.936	2.835	10.2	19.9
3 12	12 39.15	− 3 9.6	1.859	2.818	6.5	19.6
3 22	12 32.24	− 1 40.9	1.809	2.801	2.4	19.3
4 1	12 24.63	− 0 7.5	1.788	2.783	2.2	19.2
4 11	12 17.25	+ 1 22.4	1.795	2.765	6.5	19.5
4 21	12 10.94	+ 2 41.4	1.829	2.747	10.5	19.7
5 1	12 6.39	+ 3 44.0	1.887	2.729	14.0	19.9

330108 2005 XT_6 3 28.0 246°.25 2°.3/30.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 50.74	−11 59.4	2.002	2.789	14.5	21.4
3 2	12 46.67	−11 45.7	1.904	2.780	11.6	21.1
3 12	12 40.49	−11 14.3	1.828	2.771	8.0	20.9
3 22	12 32.76	−10 26.7	1.778	2.761	4.3	20.6
4 1	12 24.30	− 9 26.8	1.756	2.751	2.4	20.5
4 11	12 16.11	− 8 21.1	1.762	2.741	5.6	20.7
4 21	12 9.09	− 7 16.4	1.795	2.730	9.5	20.9
5 1	12 3.96	− 6 19.3	1.852	2.719	13.1	21.1

508138 2015 FL_{45} 3 28.0 229°.35 3°.9/22.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 51.18	+10 7.3	2.841	3.667	9.7	21.6
3 2	12 46.28	+10 49.2	2.754	3.656	7.4	21.5
3 12	12 39.87	+11 31.5	2.693	3.645	5.2	21.3
3 22	12 32.43	+12 9.7	2.660	3.634	3.9	21.2
4 1	12 24.55	+12 39.2	2.658	3.622	4.8	21.2
4 11	12 16.91	+12 56.8	2.684	3.610	7.0	21.4
4 21	12 10.13	+13 0.3	2.737	3.598	9.5	21.5
5 1	12 4.71	+12 49.2	2.813	3.585	11.7	21.6

268382 2005 UO_{50} 3 28.0 166°.53 1°.5/29.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 51.86	−10 28.9	2.295	3.078	13.0	21.6
3 2	12 47.11	−10 5.8	2.207	3.082	10.2	21.4
3 12	12 40.55	− 9 27.8	2.143	3.087	6.9	21.2
3 22	12 32.71	− 8 37.4	2.105	3.090	3.4	21.0
4 1	12 24.37	− 7 38.6	2.097	3.093	1.7	20.9
4 11	12 16.37	− 6 37.2	2.119	3.096	5.0	21.1
4 21	12 9.45	− 5 38.9	2.168	3.098	8.5	21.3
5 1	12 4.21	− 4 48.7	2.243	3.099	11.6	21.5

96048 2004 QU_9 3 28.0 297°.36 5°.6/23.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 52.02	+ 5 48.1	1.368	2.223	16.4	19.8
3 2	12 48.36	+ 7 5.1	1.297	2.217	12.5	19.5
3 12	12 41.88	+ 8 30.5	1.248	2.212	8.3	19.3
3 22	12 33.34	+ 9 54.2	1.224	2.207	5.6	19.1
4 1	12 23.95	+11 4.9	1.225	2.202	7.3	19.2
4 11	12 15.11	+11 53.1	1.250	2.197	11.4	19.4
4 21	12 8.02	+12 14.2	1.298	2.192	15.6	19.6
5 1	12 3.53	+12 7.4	1.364	2.188	19.4	19.9

134687 1999 XL_{56} 3 28.0 181°.34 1°.2/26.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 53.89	− 2 9.6	2.083	2.896	13.2	20.7
3 2	12 48.80	− 1 31.0	1.999	2.898	10.0	20.5
3 12	12 41.70	− 0 42.0	1.939	2.898	6.3	20.2
3 22	12 33.18	+ 0 13.1	1.907	2.898	2.4	20.0
4 1	12 24.08	+ 1 8.6	1.904	2.898	2.5	20.0
4 11	12 15.36	+ 1 58.2	1.930	2.896	6.4	20.2
4 21	12 7.85	+ 2 37.1	1.983	2.894	10.1	20.4
5 1	12 2.20	+ 3 1.9	2.060	2.892	13.4	20.7

402849 2007 QT_{14} 3 28.0 108°.63 1°.6/26.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 54.72	− 2 6.9	1.699	2.522	15.2	22.4
3 2	12 49.64	− 1 18.8	1.636	2.540	11.4	22.2
3 12	12 42.27	− 0 18.9	1.597	2.558	7.1	22.0
3 22	12 33.38	+ 0 47.0	1.583	2.575	2.7	21.7
4 1	12 24.00	+ 1 51.3	1.598	2.592	3.0	21.8
4 11	12 15.26	+ 2 46.6	1.641	2.608	7.3	22.1
4 21	12 8.07	+ 3 27.6	1.710	2.624	11.3	22.4
5 1	12 3.07	+ 3 51.2	1.800	2.639	14.7	22.6

56978 2000 SR_{173} 3 28.0 18°.55 6°.9/ 6.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 46.42	−28 6.9	2.144	2.844	16.3	18.1
3 2	12 43.36	−28 2.9	2.053	2.847	14.1	17.9
3 12	12 38.32	−27 32.0	1.980	2.851	11.6	17.8
3 22	12 31.90	−26 33.1	1.929	2.854	9.0	17.6
4 1	12 24.92	−25 8.1	1.903	2.858	7.2	17.5
4 11	12 18.32	−23 23.1	1.904	2.863	7.2	17.5
4 21	12 12.91	−21 26.4	1.932	2.868	9.0	17.6
5 1	12 9.32	−19 27.7	1.986	2.873	11.5	17.8

317951 2003 WV_{132} 3 28.0 141°.71 1°.1/26.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 54.66	− 2 38.7	2.021	2.833	13.5	22.4
3 2	12 49.33	− 1 59.8	1.948	2.846	10.2	22.2
3 12	12 41.98	− 1 10.4	1.899	2.858	6.4	22.0
3 22	12 33.26	− 0 14.9	1.877	2.869	2.4	21.7
4 1	12 24.06	+ 0 40.8	1.884	2.879	2.4	21.7
4 11	12 15.34	+ 1 30.5	1.921	2.889	6.4	22.0
4 21	12 7.92	+ 2 9.3	1.985	2.898	10.1	22.2
5 1	12 2.42	+ 2 34.1	2.072	2.906	13.2	22.5

474435 2003 GB_{32} 3 28.0 2°.02 3°.4/25.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 54.49	+ 6 9.7	1.732	2.570	14.3	20.0
3 2	12 49.59	+ 6 10.9	1.658	2.569	10.8	19.7
3 12	12 42.34	+ 6 13.8	1.607	2.569	7.0	19.5
3 22	12 33.45	+ 6 13.6	1.582	2.569	3.8	19.3
4 1	12 23.93	+ 6 5.7	1.584	2.571	4.5	19.3
4 11	12 14.93	+ 5 46.4	1.613	2.573	8.1	19.6
4 21	12 7.42	+ 5 14.0	1.668	2.576	11.9	19.8
5 1	12 2.10	+ 4 28.5	1.744	2.580	15.2	20.0

307536 2003 CV_3 3 28.0 86°.63 7°.9/18.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 54.87	+16 5.5	1.986	2.821	12.8	19.8
3 2	12 49.32	+18 25.1	1.962	2.860	10.2	19.7
3 12	12 41.82	+20 37.5	1.964	2.897	8.3	19.7
3 22	12 33.14	+22 32.5	1.995	2.933	8.0	19.7
4 1	12 24.20	+24 2.0	2.055	2.969	9.4	19.8
4 11	12 15.98	+25 1.9	2.140	3.004	11.5	20.0
4 21	12 9.22	+25 32.3	2.247	3.038	13.7	20.3
5 1	12 4.42	+25 35.8	2.374	3.070	15.5	20.5

2020	α_{2000}	δ_{2000}	Δ	r	β	V
308715 2006 GT_{36}			3 28.0 348°.69		0°.9/27.4 17	
	h m	° ′			°	m
2 21	12 47.49	− 4 20.2	1.143	1.997	19.0	20.4
3 2	12 45.38	− 3 47.2	1.070	1.990	14.6	20.1
3 12	12 40.23	− 2 54.0	1.017	1.984	9.3	19.7
3 22	12 32.79	− 1 46.4	0.986	1.979	3.5	19.4
4 1	12 24.34	− 0 34.0	0.978	1.975	3.0	19.3
4 11	12 16.43	+ 0 31.5	0.994	1.972	9.0	19.7
4 21	12 10.43	+ 1 20.7	1.031	1.970	14.5	20.0
5 1	12 7.25	+ 1 47.6	1.088	1.970	19.2	20.2
408785 1999 XY_{145}			3 28.0 216°.33		1°.2/26.9 16	
2 21	12 53.63	− 2 21.7	2.026	2.841	13.4	22.4
3 2	12 48.77	− 1 43.7	1.934	2.833	10.2	22.1
3 12	12 41.78	− 0 54.4	1.865	2.825	6.5	21.9
3 22	12 33.26	+ 0 1.9	1.824	2.815	2.4	21.6
4 1	12 24.04	+ 0 59.4	1.811	2.806	2.5	21.6
4 11	12 15.13	+ 1 51.4	1.828	2.795	6.6	21.8
4 21	12 7.42	+ 2 32.7	1.871	2.784	10.6	22.1
5 1	12 1.61	+ 2 59.4	1.938	2.772	14.0	22.2
386219 2007 WX_{58}			3 28.0 89°.15		1°.5/29.7 17	
2 21	12 50.11	− 9 41.5	2.302	3.091	12.8	21.6
3 2	12 45.74	− 9 30.8	2.222	3.101	10.0	21.4
3 12	12 39.65	− 9 6.8	2.166	3.112	6.7	21.2
3 22	12 32.38	− 8 31.7	2.137	3.122	3.3	21.0
4 1	12 24.66	− 7 49.2	2.136	3.132	1.7	20.9
4 11	12 17.31	− 7 4.3	2.165	3.143	4.8	21.2
4 21	12 11.02	− 6 21.8	2.221	3.153	8.2	21.4
5 1	12 6.35	− 5 46.0	2.302	3.163	11.1	21.6
459582 2013 GV_{117}			3 28.0 7°.97		1°.6/27.0 16	
2 21	12 56.14	− 0 19.2	1.380	2.218	17.3	21.5
3 2	12 51.46	− 0 11.6	1.307	2.218	13.2	21.3
3 12	12 43.86	+ 0 6.3	1.255	2.218	8.4	21.0
3 22	12 34.12	+ 0 29.7	1.227	2.219	3.2	20.7
4 1	12 23.50	+ 0 52.3	1.225	2.220	3.2	20.7
4 11	12 13.49	+ 1 7.3	1.249	2.221	8.4	21.0
4 21	12 5.32	+ 1 9.9	1.296	2.222	13.2	21.3
5 1	11 59.87	+ 0 57.3	1.365	2.224	17.4	21.5
17961 Mariagorodnitsky			3 28.0 173°.81		3°.0/25.4 18	
2 21	12 56.06	+ 2 54.6	1.846	2.673	14.0	18.6
3 2	12 50.66	+ 3 36.8	1.770	2.676	10.6	18.3
3 12	12 42.98	+ 4 26.1	1.717	2.678	6.7	18.1
3 22	12 33.70	+ 5 16.4	1.692	2.680	3.4	17.9
4 1	12 23.80	+ 6 1.0	1.695	2.681	4.3	18.0
4 11	12 14.38	+ 6 33.8	1.726	2.682	8.0	18.2
4 21	12 6.38	+ 6 51.0	1.782	2.682	11.8	18.4
5 1	12 0.51	+ 6 50.9	1.861	2.681	15.1	18.6
55735 Magdeburg			3 28.0 255°.28		5°.4/ 2.6 18	
2 21	12 52.45	−21 14.0	2.316	3.043	14.5	19.0
3 2	12 47.95	−21 27.6	2.197	3.021	12.3	18.7
3 12	12 41.36	−21 21.3	2.099	2.999	9.6	18.5
3 22	12 33.15	−20 53.7	2.026	2.976	7.0	18.3
4 1	12 24.09	−20 5.6	1.979	2.952	5.4	18.2
4 11	12 15.13	−19 0.9	1.961	2.928	6.3	18.2
4 21	12 7.18	−17 45.9	1.971	2.903	9.0	18.3
5 1	12 1.00	−16 28.2	2.006	2.878	12.1	18.4
471340 2011 OK_{48}			3 28.0 277°.15		4°.9/ 2.0 17	
2 21	12 50.93	−18 50.0	2.237	2.983	14.4	21.6
3 2	12 46.75	−19 13.9	2.132	2.971	12.0	21.4
3 12	12 40.54	−19 19.6	2.048	2.958	9.3	21.2
3 22	12 32.82	−19 6.5	1.988	2.946	6.5	21.0
4 1	12 24.33	−18 35.5	1.956	2.933	5.0	20.9
4 11	12 16.03	−17 50.4	1.951	2.920	6.1	21.0
4 21	12 8.79	−16 56.9	1.973	2.908	8.8	21.1
5 1	12 3.31	−16 1.7	2.020	2.895	11.8	21.3
498648 2008 SO_{67}			3 28.0 204°.83		1°.0/27.1 17	
2 21	12 51.82	− 2 0.8	2.177	2.992	12.6	21.9
3 2	12 47.19	− 1 35.1	2.090	2.989	9.6	21.7
3 12	12 40.67	− 1 0.2	2.027	2.987	6.0	21.5
3 22	12 32.80	− 0 19.7	1.992	2.984	2.3	21.2
4 1	12 24.38	+ 0 21.4	1.986	2.981	2.2	21.2
4 11	12 16.29	+ 0 57.9	2.009	2.978	6.0	21.5
4 21	12 9.31	+ 1 25.6	2.058	2.974	9.6	21.7
5 1	12 4.05	+ 1 41.3	2.132	2.970	12.8	21.9
188007 2001 TN_{7}			3 28.0 80°.17		2°.8/31.2 18	
2 21	12 49.07	−15 31.0	1.776	2.559	16.3	19.9
3 2	12 45.46	−14 50.1	1.700	2.570	13.0	19.7
3 12	12 39.69	−13 45.1	1.644	2.582	9.2	19.5
3 22	12 32.44	−12 19.0	1.614	2.594	5.1	19.2
4 1	12 24.64	−10 38.3	1.611	2.605	2.9	19.1
4 11	12 17.35	− 8 52.1	1.636	2.617	5.8	19.3
4 21	12 11.43	− 7 10.1	1.689	2.628	9.7	19.6
5 1	12 7.54	− 5 40.4	1.765	2.640	13.3	19.8

2020	α_{2000}	δ_{2000}	Δ	r	β	V
436208 2009 XZ_{12}			3 28.0 99°.93		1°.5/26.6 17	
	h m	° ′			°	m
2 21	12 52.33	− 0 43.1	1.933	2.757	13.6	21.5
3 2	12 47.68	− 0 11.6	1.860	2.765	10.2	21.3
3 12	12 41.00	+ 0 28.9	1.811	2.773	6.4	21.1
3 22	12 32.92	+ 1 13.7	1.789	2.781	2.5	20.9
4 1	12 24.33	+ 1 57.2	1.795	2.788	2.8	20.9
4 11	12 16.20	+ 2 33.5	1.829	2.796	6.7	21.1
4 21	12 9.37	+ 2 58.4	1.890	2.804	10.4	21.4
5 1	12 4.46	+ 3 9.2	1.973	2.811	13.6	21.6
152561 1991 RB			3 28.0 61°.44		7°.4/29.5 13 C	
2 21	14 32.64	− 4 35.1	0.423	1.223	47.7	19.4
3 2	14 3.17	− 8 26.5	0.419	1.300	35.8	19.1
3 12	13 26.90	−11 35.1	0.429	1.374	23.1	18.9
3 22	12 48.83	−13 37.1	0.463	1.445	11.5	18.8
4 1	12 15.44	−14 31.0	0.522	1.513	7.9	19.0
4 11	11 50.82	−14 40.4	0.605	1.578	14.0	19.7
4 21	11 35.37	−14 32.0	0.708	1.639	20.2	20.3
5 1	11 27.72	−14 23.6	0.826	1.697	24.8	20.9
357932 2005 WX_{210}			3 28.1 44°.30		0°.1/28.0 18	
2 21	12 51.96	− 5 55.7	1.158	2.000	19.6	21.3
3 2	12 48.51	− 5 26.9	1.101	2.013	15.0	21.1
3 12	12 42.01	− 4 37.8	1.064	2.027	9.6	20.8
3 22	12 33.39	− 3 34.3	1.049	2.041	3.7	20.5
4 1	12 24.05	− 2 25.6	1.058	2.056	2.4	20.5
4 11	12 15.55	− 1 22.7	1.092	2.071	8.2	20.8
4 21	12 9.11	− 0 34.0	1.149	2.087	13.4	21.2
5 1	12 5.50	− 0 4.8	1.225	2.103	17.8	21.5
400324 2007 TC_{412}			3 28.1 164°.30		2°.2/30.1 16	
2 21	12 54.59	−11 28.9	1.927	2.712	15.1	22.4
3 2	12 49.56	−11 17.4	1.842	2.717	12.0	22.2
3 12	12 42.30	−10 48.4	1.779	2.722	8.2	22.0
3 22	12 33.46	−10 3.8	1.742	2.726	4.3	21.8
4 1	12 23.97	− 9 7.8	1.734	2.729	2.4	21.6
4 11	12 14.90	− 8 7.1	1.754	2.732	5.7	21.9
4 21	12 7.18	− 7 8.3	1.801	2.734	9.7	22.1
5 1	12 1.50	− 6 17.8	1.872	2.735	13.2	22.3
413131 2001 XB_{188}			3 28.1 102°.78		2°.6/30.9 18	
2 21	12 53.25	−13 37.2	2.112	2.884	14.4	21.9
3 2	12 48.19	−13 22.0	2.042	2.907	11.4	21.8
3 12	12 41.21	−12 49.4	1.994	2.930	8.0	21.6
3 22	12 32.98	−12 1.4	1.973	2.952	4.4	21.4
4 1	12 24.33	−11 2.3	1.980	2.973	2.6	21.3
4 11	12 16.19	− 9 58.2	2.017	2.994	5.1	21.5
4 21	12 9.32	− 8 55.5	2.081	3.015	8.5	21.8
5 1	12 4.29	− 7 59.8	2.170	3.034	11.6	22.0
178681 2000 RF_{17}			3 28.1 214°.15		3°.4/ 1.5 18	
2 21	12 50.08	−17 24.2	2.989	3.726	11.3	21.2
3 2	12 45.52	−17 28.3	2.881	3.718	9.3	21.1
3 12	12 39.46	−17 18.2	2.797	3.710	7.0	20.9
3 22	12 32.33	−16 54.4	2.740	3.702	4.7	20.7
4 1	12 24.71	−16 18.4	2.711	3.693	3.4	20.6
4 11	12 17.27	−15 33.7	2.712	3.684	4.5	20.7
4 21	12 10.61	−14 44.4	2.742	3.674	6.8	20.8
5 1	12 5.25	−13 55.1	2.799	3.663	9.3	21.0
493464 2014 WJ_{450}			3 28.1 66°.11		1°.5/29.4 18	
2 21	12 53.30	− 8 59.1	1.643	2.451	16.4	21.5
3 2	12 48.69	− 8 48.9	1.580	2.470	12.7	21.3
3 12	12 41.74	− 8 21.6	1.539	2.490	8.4	21.1
3 22	12 33.22	− 7 40.4	1.522	2.510	3.9	20.9
4 1	12 24.18	− 6 50.5	1.533	2.530	2.0	20.8
4 11	12 15.79	− 5 59.4	1.571	2.550	6.1	21.1
4 21	12 8.97	− 5 13.5	1.634	2.570	10.3	21.4
5 1	12 4.37	− 4 38.2	1.721	2.589	13.9	21.6
211128 2002 GL_{51}			3 28.1 322°.53		1°.4/27.0 17	
2 21	12 49.10	− 2 40.9	1.263	2.112	17.8	20.6
3 2	12 46.53	− 2 11.4	1.178	2.095	13.7	20.2
3 12	12 40.99	− 1 24.8	1.113	2.079	8.8	19.9
3 22	12 33.14	− 0 26.5	1.070	2.063	3.3	19.5
4 1	12 24.14	+ 0 35.1	1.052	2.048	3.3	19.5
4 11	12 15.51	+ 1 29.5	1.059	2.034	9.0	19.8
4 21	12 8.59	+ 2 8.5	1.087	2.020	14.4	20.0
5 1	12 4.42	+ 2 26.2	1.135	2.008	19.2	20.3
466505 2014 AH_{51}			3 28.1 331°.65		11°.7/ 1.7 18	
2 21	13 6.62	−20 9.6	1.188	1.954	23.7	20.7
3 2	13 0.89	−22 37.4	1.109	1.952	20.4	20.5
3 12	12 50.86	−24 45.7	1.048	1.950	16.7	20.2
3 22	12 37.17	−26 24.1	1.007	1.949	13.4	20.0
4 1	12 21.41	−27 23.7	0.989	1.947	11.8	19.9
4 11	12 5.88	−27 43.4	0.995	1.946	13.0	20.0
4 21	11 52.81	−27 30.6	1.022	1.945	16.2	20.2
5 1	11 43.76	−26 58.6	1.069	1.944	19.9	20.4

363529 2003 UJ_{240} 3 28.1 113°.66 0°.3/27.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 54.64	− 4 40.3	1.753	2.568	15.2	21.3
3 2	12 49.60	− 4 11.5	1.684	2.582	11.6	21.1
3 12	12 42.29	− 3 29.2	1.638	2.596	7.3	20.9
3 22	12 33.44	− 2 38.0	1.618	2.609	2.8	20.6
4 1	12 24.04	− 1 44.0	1.626	2.622	2.0	20.6
4 11	12 15.22	− 0 54.2	1.662	2.635	6.5	20.9
4 21	12 7.89	− 0 14.3	1.724	2.647	10.7	21.2
5 1	12 2.72	+ 0 11.8	1.809	2.659	14.2	21.4

345589 2006 SJ_{63} 3 28.1 127°.10 2°.8/24.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 51.04	+ 5 51.9	2.851	3.672	9.8	21.3
3 2	12 46.03	+ 6 30.2	2.783	3.686	7.3	21.2
3 12	12 39.64	+ 7 10.8	2.742	3.700	4.8	21.0
3 22	12 32.35	+ 7 49.5	2.730	3.714	2.9	20.9
4 1	12 24.76	+ 8 22.4	2.749	3.727	3.6	21.0
4 11	12 17.53	+ 8 45.9	2.797	3.740	6.0	21.2
4 21	12 11.20	+ 8 58.2	2.872	3.753	8.5	21.3
5 1	12 6.20	+ 8 58.1	2.972	3.765	10.7	21.5

53114 1999 AV_{9} 3 28.1 162°.82 6°.2/21.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 51.58	+11 30.3	1.988	2.829	12.6	19.0
3 2	12 47.12	+13 1.9	1.925	2.833	9.7	18.8
3 12	12 40.66	+14 34.1	1.886	2.836	7.2	18.7
3 22	12 32.81	+15 58.4	1.875	2.839	6.2	18.6
4 1	12 24.45	+17 6.6	1.891	2.842	7.6	18.7
4 11	12 16.55	+17 53.0	1.934	2.844	10.3	18.9
4 21	12 9.92	+18 15.2	2.001	2.846	13.1	19.0
5 1	12 5.18	+18 13.5	2.087	2.847	15.6	19.2

522820 2016 NT_{81} 3 28.1 213°.23 3°.0/31.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 50.93	−13 33.3	2.417	3.185	12.9	21.5
3 2	12 46.44	−13 44.9	2.323	3.184	10.4	21.3
3 12	12 40.17	−13 42.3	2.252	3.183	7.4	21.1
3 22	12 32.64	−13 26.2	2.207	3.181	4.5	20.9
4 1	12 24.55	−12 58.6	2.190	3.180	3.0	20.8
4 11	12 16.72	−12 23.6	2.203	3.179	4.9	20.9
4 21	12 9.90	−11 45.9	2.243	3.178	7.9	21.1
5 1	12 4.66	−11 10.4	2.309	3.177	10.9	21.3

188063 2001 WV_{29} 3 28.1 206°.76 2°.1/30.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 51.17	−13 2.1	2.364	3.136	13.0	21.1
3 2	12 46.67	−12 36.0	2.264	3.130	10.4	20.9
3 12	12 40.34	−11 53.1	2.186	3.123	7.2	20.7
3 22	12 32.71	−10 55.3	2.135	3.116	3.9	20.5
4 1	12 24.50	− 9 46.3	2.114	3.108	2.2	20.3
4 11	12 16.55	− 8 32.0	2.122	3.100	4.9	20.5
4 21	12 9.60	− 7 18.8	2.159	3.091	8.4	20.7
5 1	12 4.29	− 6 12.5	2.221	3.081	11.5	20.9

437202 2012 WC_{8} 3 28.1 202°.22 0°.6/28.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 49.90	− 6 55.0	2.464	3.261	11.9	21.7
3 2	12 45.56	− 6 39.1	2.373	3.260	9.1	21.6
3 12	12 39.56	− 6 12.1	2.306	3.258	6.0	21.3
3 22	12 32.39	− 5 36.5	2.267	3.256	2.5	21.1
4 1	12 24.74	− 4 55.8	2.256	3.253	1.3	21.0
4 11	12 17.35	− 4 14.8	2.275	3.251	4.8	21.3
4 21	12 10.92	− 3 37.8	2.322	3.249	8.1	21.5
5 1	12 6.00	− 3 8.5	2.394	3.246	11.1	21.6

73588 1067 $T\text{-}_{2}$ 3 28.1 64°.01 1°.3/29.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 53.21	− 8 32.5	1.434	2.252	17.8	19.1
3 2	12 48.96	− 8 15.3	1.371	2.268	13.8	18.9
3 12	12 42.09	− 7 38.8	1.330	2.284	9.1	18.6
3 22	12 33.41	− 6 46.9	1.311	2.301	4.0	18.4
4 1	12 24.12	− 5 46.3	1.320	2.317	2.0	18.3
4 11	12 15.53	− 4 45.8	1.354	2.334	6.8	18.6
4 21	12 8.70	− 3 53.1	1.413	2.350	11.4	18.9
5 1	12 4.35	− 3 14.3	1.495	2.367	15.4	19.2

415714 1998 YZ_{19} 3 28.1 136°.15 1°.5/29.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 54.02	− 9 42.4	2.163	2.948	13.7	21.8
3 2	12 48.80	− 9 26.5	2.084	2.962	10.6	21.6
3 12	12 41.65	− 8 56.2	2.029	2.975	7.1	21.4
3 22	12 33.19	− 8 13.8	2.001	2.987	3.4	21.2
4 1	12 24.25	− 7 23.7	2.002	2.998	1.8	21.1
4 11	12 15.74	− 6 31.3	2.032	3.009	5.2	21.4
4 21	12 8.45	− 5 42.4	2.091	3.020	8.7	21.6
5 1	12 2.96	− 5 1.5	2.174	3.029	11.9	21.8

293192 2007 AH_{30} 3 28.1 93°.85 0°.4/27.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 51.65	− 4 36.3	1.773	2.593	14.8	21.2
3 2	12 47.41	− 4 4.1	1.698	2.599	11.3	21.0
3 12	12 40.96	− 3 18.3	1.646	2.605	7.2	20.8
3 22	12 32.97	− 2 23.3	1.620	2.612	2.7	20.5
4 1	12 24.39	− 1 25.3	1.622	2.618	2.1	20.5
4 11	12 16.30	− 0 31.6	1.651	2.624	6.5	20.8
4 21	12 9.58	+ 0 12.0	1.706	2.630	10.7	21.0
5 1	12 4.92	+ 0 41.2	1.784	2.637	14.2	21.3

429100 2009 SB_{39} 3 28.1 169°.56 0°.1/28.1 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 54.22	− 4 41.8	2.365	3.163	12.3	22.5
3 2	12 48.84	− 4 25.7	2.278	3.167	9.4	22.3
3 12	12 41.64	− 3 59.6	2.217	3.171	6.0	22.1
3 22	12 33.20	− 3 26.5	2.183	3.174	2.3	21.9
4 1	12 24.24	− 2 50.2	2.179	3.176	1.5	21.8
4 11	12 15.63	− 2 15.5	2.206	3.178	5.2	22.1
4 21	12 8.11	− 1 46.4	2.260	3.179	8.7	22.3
5 1	12 2.24	− 1 26.3	2.339	3.180	11.7	22.5

337692 2001 TO_{250} 3 28.1 183°.05 0°.9/26.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 49.12	− 2 35.5	2.620	3.429	10.9	22.1
3 2	12 44.83	− 1 57.5	2.533	3.430	8.2	22.0
3 12	12 39.03	− 1 10.8	2.471	3.430	5.1	21.8
3 22	12 32.18	− 0 19.1	2.438	3.429	1.9	21.5
4 1	12 24.91	+ 0 33.3	2.434	3.429	1.9	21.5
4 11	12 17.91	+ 1 21.5	2.460	3.427	5.2	21.8
4 21	12 11.80	+ 2 1.7	2.514	3.426	8.3	22.0
5 1	12 7.08	+ 2 30.8	2.593	3.424	11.0	22.1

70103 1999 JZ_{131} 3 28.1 311°.90 1°.7/26.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 49.89	− 2 1.2	1.284	2.133	17.6	19.8
3 2	12 47.23	− 1 30.7	1.190	2.108	13.6	19.5
3 12	12 41.56	− 0 43.4	1.117	2.083	8.7	19.1
3 22	12 33.44	+ 0 15.6	1.066	2.059	3.4	18.7
4 1	12 24.00	+ 1 17.6	1.040	2.035	3.6	18.7
4 11	12 14.78	+ 2 12.4	1.038	2.012	9.4	18.9
4 21	12 7.21	+ 2 50.9	1.059	1.990	15.0	19.1
5 1	12 2.42	+ 3 7.5	1.098	1.969	19.9	19.4

5865 Qualytemocrina 3 28.1 164°.75 0°.7/28.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 51.89	− 8 52.9	1.903	2.703	14.7	18.1
3 2	12 47.51	− 8 9.2	1.820	2.708	11.4	17.9
3 12	12 41.00	− 7 7.9	1.759	2.711	7.5	17.6
3 22	12 33.00	− 5 52.9	1.725	2.715	3.1	17.4
4 1	12 24.39	− 4 30.5	1.720	2.717	1.6	17.3
4 11	12 16.21	− 3 8.7	1.744	2.720	6.0	17.5
4 21	12 9.32	− 1 55.0	1.794	2.721	10.0	17.8
5 1	12 4.40	− 0 55.0	1.868	2.723	13.6	18.0

179383 2001 YU_{14} 3 28.1 180°.23 2°.8/31.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 48.50	−15 17.8	2.548	3.309	12.5	20.6
3 2	12 44.50	−15 5.7	2.454	3.310	10.1	20.4
3 12	12 38.89	−14 37.7	2.382	3.310	7.3	20.2
3 22	12 32.15	−13 54.9	2.337	3.310	4.4	20.0
4 1	12 24.94	−13 0.4	2.320	3.310	2.8	19.9
4 11	12 17.99	−11 58.9	2.333	3.310	4.6	20.0
4 21	12 11.97	−10 55.8	2.373	3.309	7.5	20.2
5 1	12 7.41	− 9 56.6	2.440	3.309	10.3	20.4

414839 2010 UZ_{99} 3 28.1 281°.73 1°.1/27.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 51.58	− 3 22.0	1.602	2.431	15.7	21.2
3 2	12 47.90	− 2 44.7	1.505	2.412	12.1	20.9
3 12	12 41.63	− 1 51.6	1.430	2.392	7.7	20.6
3 22	12 33.37	− 0 47.4	1.380	2.372	2.9	20.3
4 1	12 24.09	+ 0 20.6	1.357	2.352	2.8	20.2
4 11	12 15.06	+ 1 23.6	1.360	2.332	7.9	20.5
4 21	12 7.42	+ 2 13.9	1.389	2.312	12.7	20.7
5 1	12 2.10	+ 2 46.1	1.438	2.292	16.9	20.9

38774 2000 RD_{10} 3 28.1 116°.49 1°.3/26.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 52.40	− 3 36.0	1.644	2.470	15.5	18.4
3 2	12 48.09	− 2 40.9	1.575	2.480	11.7	18.2
3 12	12 41.44	− 1 31.0	1.528	2.490	7.4	17.9
3 22	12 33.17	− 0 12.6	1.507	2.499	2.7	17.7
4 1	12 24.30	+ 1 6.3	1.514	2.508	2.9	17.7
4 11	12 16.00	+ 2 16.8	1.548	2.517	7.4	18.0
4 21	12 9.21	+ 3 12.4	1.607	2.525	11.6	18.3
5 1	12 4.61	+ 3 49.1	1.689	2.534	15.3	18.5

503468 2016 EG_{145} 3 28.1 312°.96 0°.9/27.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 51.57	− 2 36.7	1.560	2.392	15.9	21.5
3 2	12 47.84	− 2 17.8	1.472	2.381	12.2	21.3
3 12	12 41.54	− 1 45.8	1.407	2.369	7.8	21.0
3 22	12 33.30	− 1 5.1	1.365	2.358	2.9	20.6
4 1	12 24.16	− 0 22.0	1.351	2.347	2.6	20.6
4 11	12 15.36	+ 0 16.1	1.362	2.336	7.6	20.9
4 21	12 8.05	+ 0 43.1	1.398	2.326	12.3	21.1
5 1	12 3.09	+ 0 54.6	1.455	2.316	16.4	21.3

507857 2014 HC_{139} 3 28.1 199°.93 2°.9/24.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 48.49	+ 6 11.9	2.870	3.696	9.6	21.6
3 2	12 44.23	+ 6 51.3	2.789	3.695	7.2	21.4
3 12	12 38.58	+ 7 33.2	2.735	3.693	4.7	21.2
3 22	12 32.00	+ 8 13.4	2.709	3.692	3.0	21.1
4 1	12 25.05	+ 8 48.0	2.713	3.690	3.8	21.2
4 11	12 18.37	+ 9 13.3	2.745	3.688	6.1	21.3
4 21	12 12.51	+ 9 26.9	2.805	3.686	8.6	21.5
5 1	12 7.91	+ 9 27.7	2.889	3.684	10.9	21.6

222701 2002 AJ_{50} 3 28.1 56°.80 2°.5/25.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 50.41	+ 0 19.1	1.743	2.578	14.3	20.3
3 2	12 46.48	+ 1 11.4	1.672	2.584	10.8	20.1
3 12	12 40.37	+ 2 13.9	1.625	2.589	6.7	19.8
3 22	12 32.76	+ 3 20.3	1.603	2.594	3.0	19.6
4 1	12 24.57	+ 4 23.0	1.610	2.600	3.8	19.7
4 11	12 16.87	+ 5 14.8	1.643	2.605	7.8	19.9
4 21	12 10.55	+ 5 50.6	1.701	2.611	11.6	20.1
5 1	12 6.26	+ 6 7.9	1.781	2.616	15.0	20.4

311582 2006 HN_{45} 3 28.1 217°.52 0°.6/27.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 52.29	− 5 21.6	1.829	2.643	14.7	21.4
3 2	12 47.99	− 4 29.7	1.738	2.636	11.2	21.2
3 12	12 41.43	− 3 21.4	1.670	2.629	7.2	20.9
3 22	12 33.21	− 2 1.6	1.629	2.621	2.7	20.6
4 1	12 24.25	− 0 37.4	1.616	2.612	2.3	20.6
4 11	12 15.61	+ 0 42.7	1.631	2.603	6.9	20.9
4 21	12 8.28	+ 1 51.1	1.673	2.593	11.2	21.1
5 1	12 3.00	+ 2 42.6	1.738	2.582	14.9	21.3

118914 2000 VV_{18} 3 28.1 34°.54 2°.1/30.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 46.09	−14 14.8	2.313	3.090	13.1	19.5
3 2	12 42.81	−13 29.5	2.224	3.092	10.4	19.4
3 12	12 37.86	−12 25.5	2.157	3.095	7.3	19.2
3 22	12 31.76	−11 5.6	2.117	3.097	3.9	18.9
4 1	12 25.21	− 9 34.7	2.105	3.100	2.1	18.8
4 11	12 18.98	− 7 59.6	2.123	3.103	4.7	19.0
4 21	12 13.74	− 6 27.5	2.169	3.106	8.1	19.2
5 1	12 10.03	− 5 4.5	2.241	3.109	11.2	19.4

163346 2002 NS 3 28.1 279°.08 5°.0/22.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 51.19	+ 8 40.5	2.036	2.875	12.4	20.0
3 2	12 47.00	+ 9 42.6	1.945	2.855	9.5	19.8
3 12	12 40.74	+10 48.3	1.878	2.835	6.6	19.5
3 22	12 32.94	+11 50.8	1.838	2.815	5.0	19.4
4 1	12 24.42	+12 42.7	1.827	2.795	6.3	19.4
4 11	12 16.16	+13 17.9	1.842	2.774	9.3	19.6
4 21	12 9.04	+13 32.9	1.881	2.754	12.6	19.7
5 1	12 3.77	+13 26.6	1.942	2.733	15.6	19.9

312068 2007 TE_{18} 3 28.1 167°.21 2°.8/30.6 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 55.04	−12 34.2	1.892	2.672	15.5	21.8
3 2	12 50.00	−12 32.2	1.805	2.676	12.4	21.6
3 12	12 42.66	−12 12.1	1.741	2.680	8.7	21.3
3 22	12 33.67	−11 35.2	1.702	2.683	4.8	21.1
4 1	12 23.98	−10 45.1	1.692	2.685	2.8	21.0
4 11	12 14.70	− 9 48.1	1.709	2.687	5.9	21.2
4 21	12 6.80	− 8 51.2	1.754	2.688	9.8	21.4
5 1	12 1.00	− 8 1.0	1.822	2.689	13.3	21.6

430037 2013 RW_{71} 3 28.1 145°.29 2°.2/26.0 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 53.03	+ 1 14.0	2.012	2.837	13.1	21.7
3 2	12 48.20	+ 1 47.9	1.936	2.841	9.9	21.5
3 12	12 41.36	+ 2 29.1	1.884	2.845	6.2	21.3
3 22	12 33.12	+ 3 12.8	1.859	2.849	2.7	21.1
4 1	12 24.36	+ 3 53.3	1.863	2.853	3.3	21.2
4 11	12 16.02	+ 4 25.1	1.895	2.856	6.9	21.4
4 21	12 8.94	+ 4 44.5	1.953	2.860	10.5	21.6
5 1	12 3.73	+ 4 49.2	2.034	2.863	13.6	21.8

415659 2014 QT_{410} 3 28.1 217°.49 1°.1/29.0 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 55.14	− 8 3.1	1.792	2.593	15.4	22.2
3 2	12 50.27	− 7 51.0	1.699	2.587	12.1	21.9
3 12	12 42.96	− 7 22.8	1.628	2.579	8.0	21.7
3 22	12 33.83	− 6 41.0	1.583	2.572	3.6	21.4
4 1	12 23.86	− 5 50.3	1.566	2.563	1.8	21.2
4 11	12 14.21	− 4 57.5	1.577	2.554	6.3	21.5
4 21	12 5.94	− 4 9.4	1.614	2.544	10.8	21.7
5 1	11 59.87	− 3 31.8	1.675	2.534	14.7	22.0

506403 2017 SA_{5} 3 28.1 281°.27 4°.6/24.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 54.52	+ 8 22.4	1.910	2.746	13.3	20.8
3 2	12 49.59	+ 8 58.3	1.825	2.734	10.2	20.5
3 12	12 42.40	+ 9 36.1	1.763	2.721	6.9	20.3
3 22	12 33.58	+10 9.8	1.729	2.709	4.7	20.2
4 1	12 24.05	+10 32.8	1.721	2.697	5.8	20.2
4 11	12 14.88	+10 40.1	1.742	2.685	9.0	20.4
4 21	12 7.02	+10 29.4	1.787	2.672	12.5	20.5
5 1	12 1.21	+10 0.3	1.853	2.660	15.6	20.7

378878 2008 TN_{137} 3 28.1 69°.69 0°.1/28.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 50.77	− 5 20.0	1.948	2.761	13.9	21.5
3 2	12 46.55	− 4 55.9	1.874	2.770	10.6	21.3
3 12	12 40.33	− 4 19.1	1.822	2.779	6.8	21.1
3 22	12 32.74	− 3 33.4	1.797	2.788	2.6	20.9
4 1	12 24.63	− 2 44.2	1.800	2.797	1.7	20.8
4 11	12 16.98	− 1 57.4	1.832	2.807	5.9	21.1
4 21	12 10.57	− 1 18.3	1.889	2.816	9.7	21.4
5 1	12 6.03	− 0 51.0	1.971	2.825	13.0	21.6

115787 2003 UV_{218} 3 28.1 328°.07 3°.2/30.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 50.23	−11 57.1	1.388	2.202	18.5	19.5
3 2	12 47.18	−12 3.1	1.303	2.193	14.8	19.2
3 12	12 41.32	−11 46.6	1.237	2.185	10.4	18.9
3 22	12 33.29	−11 8.4	1.193	2.177	5.7	18.6
4 1	12 24.22	−10 12.9	1.174	2.169	3.3	18.5
4 11	12 15.55	− 9 8.3	1.181	2.163	7.2	18.7
4 21	12 8.52	− 8 4.3	1.211	2.157	12.1	18.9
5 1	12 4.11	− 7 9.9	1.262	2.151	16.5	19.2

95127 2002 AL_{150} 3 28.1 289°.58 2°.2/26.0 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 50.55	+ 0 4.2	1.791	2.624	14.1	19.7
3 2	12 46.71	+ 0 47.6	1.704	2.614	10.7	19.4
3 12	12 40.64	+ 1 41.7	1.640	2.604	6.7	19.2
3 22	12 32.93	+ 2 41.0	1.602	2.593	2.9	18.9
4 1	12 24.49	+ 3 38.5	1.592	2.583	3.6	18.9
4 11	12 16.38	+ 4 27.0	1.609	2.573	7.7	19.1
4 21	12 9.56	+ 5 0.9	1.650	2.563	11.8	19.3
5 1	12 4.77	+ 5 17.1	1.714	2.553	15.3	19.6

54513 2000 PS_{11} 3 28.1 137°.66 5°.9/19.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 49.70	+16 20.1	2.642	3.474	10.1	18.4
3 2	12 45.24	+17 34.9	2.585	3.482	8.0	18.2
3 12	12 39.26	+18 45.9	2.553	3.489	6.4	18.1
3 22	12 32.28	+19 47.3	2.550	3.497	6.0	18.1
4 1	12 24.96	+20 33.6	2.575	3.504	7.0	18.2
4 11	12 18.00	+21 1.5	2.627	3.510	8.9	18.3
4 21	12 12.01	+21 9.8	2.702	3.517	11.0	18.5
5 1	12 7.46	+20 59.1	2.799	3.523	12.8	18.6

515757 2015 FB_{354} 3 28.1 250°.63 1°.7/26.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 51.95	+ 1 1.9	2.275	3.095	11.9	21.3
3 2	12 47.24	+ 1 22.5	2.188	3.091	9.0	21.1
3 12	12 40.71	+ 1 49.4	2.126	3.086	5.7	20.8
3 22	12 32.89	+ 2 18.8	2.091	3.082	2.4	20.6
4 1	12 24.54	+ 2 46.2	2.086	3.077	2.8	20.6
4 11	12 16.50	+ 3 7.2	2.109	3.073	6.2	20.8
4 21	12 9.52	+ 3 18.5	2.159	3.068	9.6	21.0
5 1	12 4.20	+ 3 17.9	2.233	3.064	12.5	21.2

422280 2014 SL_{153} 3 28.1 189°.93 1°.3/29.4 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 53.96	− 9 27.8	1.991	2.783	14.5	22.7
3 2	12 49.08	− 9 7.1	1.901	2.782	11.3	22.5
3 12	12 42.04	− 8 30.2	1.833	2.781	7.6	22.3
3 22	12 33.44	− 7 39.6	1.792	2.779	3.5	22.0
4 1	12 24.17	− 6 40.1	1.779	2.776	1.8	21.9
4 11	12 15.25	− 5 38.1	1.795	2.772	5.7	22.1
4 21	12 7.59	− 4 40.3	1.839	2.768	9.7	22.4
5 1	12 1.88	− 3 52.3	1.906	2.763	13.3	22.6

23471 1990 TH_{3} 3 28.1 188°.18 3°.2/24.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 52.79	+ 6 32.6	2.734	3.554	10.2	20.0
3 2	12 47.54	+ 7 18.1	2.651	3.553	7.7	19.8
3 12	12 40.73	+ 8 6.3	2.595	3.552	5.1	19.6
3 22	12 32.87	+ 8 52.6	2.568	3.549	3.3	19.5
4 1	12 24.58	+ 9 32.4	2.571	3.546	4.1	19.6
4 11	12 16.58	+10 1.6	2.604	3.543	6.6	19.7
4 21	12 9.51	+10 17.7	2.664	3.538	9.2	19.9
5 1	12 3.86	+10 19.8	2.748	3.533	11.6	20.0

264657 2001 XH_{98} 3 28.1 174°.74 5°.6/ 3.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 52.16	−22 1.8	2.159	2.887	15.4	20.4
3 2	12 47.70	−22 13.3	2.066	2.889	13.0	20.2
3 12	12 41.15	−22 2.9	1.993	2.891	10.2	20.1
3 22	12 33.11	−21 29.9	1.943	2.892	7.4	19.9
4 1	12 24.40	−20 35.8	1.921	2.892	5.7	19.8
4 11	12 16.02	−19 25.8	1.926	2.893	6.4	19.8
4 21	12 8.84	−18 7.0	1.958	2.893	8.9	20.0
5 1	12 3.55	−16 47.2	2.016	2.892	11.8	20.1

427963 2005 YF_{65} 3 28.1 108°.47 5°.4/ 2.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 53.61	−21 7.6	2.127	2.859	15.5	21.4
3 2	12 48.69	−21 25.6	2.048	2.875	12.9	21.2
3 12	12 41.70	−21 22.4	1.990	2.891	10.0	21.0
3 22	12 33.28	−20 57.6	1.956	2.906	7.2	20.9
4 1	12 24.32	−20 13.1	1.949	2.921	5.5	20.8
4 11	12 15.79	−19 14.1	1.969	2.936	6.3	20.9
4 21	12 8.56	−18 7.2	2.017	2.950	8.8	21.1
5 1	12 3.25	−16 59.9	2.090	2.964	11.6	21.3

306315 2011 SX_{87} 3 28.1 215°.76 0°.4/28.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 51.64	− 5 20.8	2.662	3.457	11.1	21.3
3 2	12 46.78	− 5 17.0	2.567	3.453	8.6	21.1
3 12	12 40.32	− 5 4.5	2.496	3.448	5.6	20.9
3 22	12 32.74	− 4 45.3	2.454	3.444	2.3	20.7
4 1	12 24.66	− 4 22.3	2.441	3.439	1.3	20.6
4 11	12 16.82	− 3 59.3	2.459	3.433	4.6	20.8
4 21	12 9.87	− 3 39.6	2.505	3.428	7.8	21.0
5 1	12 4.35	− 3 26.3	2.576	3.422	10.6	21.2

461926 2006 SA_{143} 3 28.1 313°.03 1°.6/29.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 49.69	− 8 28.5	1.381	2.208	17.9	20.9
3 2	12 46.93	− 8 25.2	1.285	2.186	14.1	20.5
3 12	12 41.29	− 8 1.7	1.208	2.164	9.6	20.2
3 22	12 33.36	− 7 19.9	1.154	2.143	4.5	19.9
4 1	12 24.19	− 6 24.8	1.125	2.122	2.3	19.6
4 11	12 15.23	− 5 24.8	1.121	2.102	7.6	19.9
4 21	12 7.83	− 4 29.5	1.140	2.083	13.0	20.1
5 1	12 3.06	− 3 46.9	1.179	2.064	17.8	20.4

90844 1996 AF_{3} 3 28.1 285°.73 1°.1/28.9 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 53.76	− 7 4.0	1.442	2.264	17.5	20.3
3 2	12 49.97	− 7 1.1	1.344	2.243	13.8	20.0
3 12	12 43.22	− 6 40.6	1.267	2.223	9.2	19.7
3 22	12 34.10	− 6 4.4	1.212	2.202	4.0	19.3
4 1	12 23.71	− 5 17.5	1.184	2.181	2.1	19.1
4 11	12 13.50	− 4 27.7	1.181	2.161	7.6	19.4
4 21	12 4.87	− 3 43.6	1.203	2.140	13.0	19.6
5 1	11 58.89	− 3 12.2	1.245	2.119	17.8	19.8

199874 2007 ER_{171} 3 28.1 292°.60 1°.6/27.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 56.74	− 0 23.2	1.345	2.183	17.6	20.8
3 2	12 52.23	− 0 17.1	1.262	2.173	13.5	20.5
3 12	12 44.61	− 0 0.1	1.199	2.163	8.7	20.2
3 22	12 34.59	+ 0 22.9	1.161	2.153	3.4	19.8
4 1	12 23.44	+ 0 45.7	1.148	2.143	3.3	19.8
4 11	12 12.73	+ 1 1.0	1.160	2.133	8.8	20.1
4 21	12 3.85	+ 1 3.5	1.197	2.124	14.0	20.3
5 1	11 57.83	+ 0 49.8	1.253	2.115	18.5	20.6

300056 2006 US_{181} 3 28.1 144°.93 4°.1/22.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 49.03	+ 8 54.6	2.564	3.397	10.4	20.7
3 2	12 44.78	+ 9 56.4	2.494	3.402	7.9	20.5
3 12	12 39.01	+10 59.7	2.451	3.406	5.4	20.4
3 22	12 32.21	+11 58.9	2.436	3.411	4.1	20.3
4 1	12 25.04	+12 48.6	2.450	3.415	5.1	20.3
4 11	12 18.20	+13 24.7	2.492	3.419	7.5	20.5
4 21	12 12.31	+13 44.8	2.561	3.423	10.0	20.7
5 1	12 7.84	+13 48.1	2.651	3.427	12.2	20.8

294215 2007 UK_{3} 3 28.1 148°.61 3°.4/24.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 51.28	+ 5 53.4	2.219	3.051	11.8	20.6
3 2	12 46.73	+ 6 32.6	2.143	3.051	8.9	20.4
3 12	12 40.37	+ 7 15.2	2.092	3.051	5.8	20.2
3 22	12 32.77	+ 7 56.0	2.067	3.052	3.5	20.0
4 1	12 24.68	+ 8 29.6	2.072	3.052	4.5	20.1
4 11	12 16.97	+ 8 51.5	2.105	3.052	7.4	20.3
4 21	12 10.37	+ 8 59.0	2.163	3.052	10.5	20.5
5 1	12 5.45	+ 8 51.0	2.245	3.053	13.2	20.6

472063 2013 YV_{69} 3 28.1 241°.86 6°.3/19.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 48.44	+14 25.9	2.346	3.186	10.9	21.3
3 2	12 44.58	+15 56.7	2.277	3.181	8.6	21.1
3 12	12 39.02	+17 26.3	2.234	3.176	6.8	21.0
3 22	12 32.26	+18 47.2	2.218	3.171	6.3	20.9
4 1	12 25.02	+19 52.7	2.230	3.165	7.6	21.0
4 11	12 18.11	+20 37.7	2.269	3.160	9.8	21.1
4 21	12 12.21	+21 0.2	2.331	3.154	12.2	21.3
5 1	12 7.88	+21 0.3	2.413	3.148	14.4	21.4

191111 2002 EU_{71} 3 28.1 269°.40 1°.5/29.4 17 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 52.23	− 8 36.1	1.921	2.722	14.6	20.3
3 2	12 47.84	− 8 33.6	1.835	2.721	11.4	20.1
3 12	12 41.29	− 8 16.6	1.771	2.720	7.7	19.9
3 22	12 33.19	− 7 47.0	1.732	2.719	3.6	19.6
4 1	12 24.41	− 7 9.0	1.721	2.718	1.9	19.5
4 11	12 15.99	− 6 28.0	1.738	2.717	5.7	19.7
4 21	12 8.84	− 5 49.9	1.782	2.716	9.7	20.0
5 1	12 3.65	− 5 19.8	1.850	2.715	13.2	20.2

348458 2005 SX_{13} 3 28.1 203°.80 0°.7/27.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 49.40	− 2 8.3	2.927	3.732	10.0	21.7
3 2	12 44.94	− 1 42.4	2.834	3.728	7.5	21.6
3 12	12 39.08	− 1 9.4	2.766	3.724	4.7	21.4
3 22	12 32.26	− 0 32.2	2.727	3.719	1.8	21.2
4 1	12 25.03	+ 0 5.6	2.719	3.714	1.7	21.1
4 11	12 18.02	+ 0 40.3	2.741	3.708	4.7	21.3
4 21	12 11.79	+ 1 8.6	2.791	3.703	7.5	21.5
5 1	12 6.82	+ 1 28.0	2.866	3.696	10.1	21.7

286345 2001 XJ_{94} 3 28.1 132°.55 4°.0/ 1.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 53.46	−18 41.8	2.385	3.122	13.9	21.9
3 2	12 48.31	−18 39.3	2.302	3.139	11.4	21.7
3 12	12 41.35	−18 18.2	2.242	3.154	8.5	21.5
3 22	12 33.14	−17 39.2	2.207	3.169	5.7	21.4
4 1	12 24.47	−16 44.9	2.201	3.183	4.0	21.3
4 11	12 16.21	−15 40.5	2.225	3.197	5.2	21.4
4 21	12 9.08	−14 32.1	2.276	3.209	7.9	21.6
5 1	12 3.66	−13 25.9	2.354	3.221	10.7	21.8

177303 2003 YG_{7} 3 28.1 179°.14 0°.6/28.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 53.89	− 7 30.1	2.133	2.928	13.5	21.6
3 2	12 48.85	− 7 4.0	2.045	2.930	10.5	21.4
3 12	12 41.81	− 6 24.1	1.980	2.931	6.8	21.1
3 22	12 33.36	− 5 33.4	1.943	2.932	2.9	20.9
4 1	12 24.32	− 4 36.5	1.934	2.932	1.5	20.8
4 11	12 15.63	− 3 39.6	1.956	2.931	5.5	21.0
4 21	12 8.12	− 2 48.5	2.005	2.929	9.3	21.3
5 1	12 2.43	− 2 7.7	2.078	2.927	12.6	21.5

16765 Agnesi 3 28.1 219°.79 1°.3/26.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 55.70	− 0 7.5	2.061	2.877	13.2	18.6
3 2	12 50.32	+ 0 4.7	1.972	2.871	10.0	18.4
3 12	12 42.80	+ 0 24.4	1.906	2.865	6.4	18.2
3 22	12 33.76	+ 0 47.9	1.868	2.859	2.5	17.9
4 1	12 24.05	+ 1 10.6	1.859	2.853	2.5	17.9
4 11	12 14.67	+ 1 27.9	1.878	2.846	6.5	18.1
4 21	12 6.52	+ 1 36.0	1.925	2.839	10.3	18.3
5 1	12 0.29	+ 1 32.6	1.996	2.831	13.6	18.5

463110 2011 UN_{153} 3 28.1 199°.84 3°.3/25.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 55.44	+ 3 10.0	1.891	2.718	13.7	22.4
3 2	12 50.27	+ 4 3.4	1.808	2.715	10.4	22.2
3 12	12 42.83	+ 5 4.5	1.750	2.711	6.7	22.0
3 22	12 33.78	+ 6 6.9	1.718	2.706	3.6	21.8
4 1	12 24.04	+ 7 3.4	1.716	2.700	4.6	21.8
4 11	12 14.70	+ 7 47.2	1.741	2.694	8.2	22.0
4 21	12 6.71	+ 8 14.1	1.792	2.687	12.0	22.2
5 1	12 0.78	+ 8 22.0	1.866	2.679	15.3	22.4

155841 2000 YU_{69} 3 28.1 103°.00 6°.3/21.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 54.35	+13 19.4	1.944	2.782	13.0	20.0
3 2	12 49.20	+14 20.4	1.886	2.791	10.1	19.9
3 12	12 41.98	+15 18.8	1.853	2.801	7.5	19.7
3 22	12 33.38	+16 7.1	1.846	2.811	6.3	19.7
4 1	12 24.35	+16 38.8	1.867	2.820	7.5	19.7
4 11	12 15.88	+16 49.7	1.914	2.829	10.1	19.9
4 21	12 8.81	+16 38.8	1.985	2.838	12.8	20.1
5 1	12 3.74	+16 7.4	2.076	2.847	15.3	20.3

365505 2010 RB_{68} 3 28.1 184°.27 2°.4/30.4 16 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 53.25	−12 19.1	1.945	2.728	15.1	21.7
3 2	12 48.62	−12 5.5	1.856	2.729	12.0	21.4
3 12	12 41.79	−11 33.4	1.788	2.729	8.3	21.2
3 22	12 33.39	−10 44.8	1.746	2.728	4.4	21.0
4 1	12 24.30	− 9 43.8	1.732	2.727	2.5	20.8
4 11	12 15.57	− 8 37.1	1.747	2.725	5.7	21.0
4 21	12 8.12	− 7 31.8	1.788	2.723	9.6	21.3
5 1	12 2.68	− 6 34.4	1.854	2.720	13.2	21.5

165350 2000 WW_{16} 3 28.1 107°.79 0°.7/27.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 55.54	− 3 45.6	1.686	2.504	15.5	20.9
3 2	12 50.36	− 3 13.0	1.621	2.521	11.8	20.7
3 12	12 42.84	− 2 27.4	1.578	2.537	7.4	20.5
3 22	12 33.74	− 1 33.8	1.562	2.553	2.8	20.2
4 1	12 24.11	− 0 38.8	1.573	2.569	2.3	20.2
4 11	12 15.12	+ 0 10.5	1.612	2.584	6.9	20.5
4 21	12 7.69	+ 0 48.3	1.678	2.599	11.0	20.8
5 1	12 2.50	+ 1 11.2	1.766	2.613	14.6	21.0

410225 2007 SN_{15} 3 28.1 128°.37 2°.9/30.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 55.15	−13 12.9	1.867	2.645	15.8	21.6
3 2	12 50.02	−13 6.6	1.790	2.659	12.5	21.4
3 12	12 42.63	−12 41.3	1.735	2.672	8.8	21.2
3 22	12 33.68	−11 58.7	1.706	2.685	4.9	21.0
4 1	12 24.14	−11 2.9	1.704	2.697	2.9	20.9
4 11	12 15.10	−10 0.6	1.731	2.709	5.8	21.1
4 21	12 7.51	− 8 59.2	1.784	2.720	9.6	21.4
5 1	12 2.02	− 8 5.0	1.862	2.730	13.0	21.6

498314 2007 VQ_{147} 3 28.1 93°.24 1°.2/26.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 49.09	− 1 44.9	2.248	3.067	12.1	21.7
3 2	12 45.06	− 1 5.6	2.169	3.072	9.1	21.5
3 12	12 39.30	− 0 17.2	2.115	3.076	5.7	21.3
3 22	12 32.37	+ 0 36.1	2.088	3.080	2.2	21.1
4 1	12 24.98	+ 1 29.1	2.090	3.084	2.4	21.1
4 11	12 17.94	+ 2 16.2	2.121	3.088	5.9	21.3
4 21	12 11.95	+ 2 53.2	2.179	3.092	9.3	21.6
5 1	12 7.54	+ 3 17.2	2.260	3.096	12.2	21.8

109440 2001 QZ_{199} 3 28.1 181°.37 0°.2/27.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 53.51	− 4 38.4	2.315	3.116	12.4	20.1
3 2	12 48.40	− 4 14.1	2.227	3.117	9.5	19.9
3 12	12 41.45	− 3 39.1	2.163	3.118	6.1	19.7
3 22	12 33.21	− 2 56.7	2.127	3.118	2.3	19.5
4 1	12 24.44	− 2 11.3	2.120	3.117	1.6	19.4
4 11	12 15.99	− 1 28.0	2.144	3.116	5.4	19.7
4 21	12 8.62	− 0 51.4	2.195	3.114	8.9	19.9
5 1	12 2.93	− 0 24.9	2.271	3.111	12.0	20.1

213346 2001 SG_{303} 3 28.1 89°.65 1°.1/29.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 52.57	− 7 28.1	2.270	3.064	12.8	20.6
3 2	12 47.67	− 7 30.3	2.190	3.073	9.9	20.4
3 12	12 40.97	− 7 21.3	2.133	3.082	6.6	20.2
3 22	12 33.01	− 7 2.9	2.104	3.091	3.0	20.0
4 1	12 24.58	− 6 38.5	2.103	3.100	1.6	19.9
4 11	12 16.52	− 6 12.3	2.132	3.109	5.0	20.1
4 21	12 9.57	− 5 48.5	2.189	3.118	8.4	20.4
5 1	12 4.30	− 5 30.8	2.270	3.127	11.4	20.6

378873 2008 TY_{124} 3 28.1 131°.57 1°.9/30.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 50.56	−11 14.3	2.123	2.910	13.8	21.4
3 2	12 46.34	−10 57.8	2.038	2.915	10.9	21.3
3 12	12 40.21	−10 25.3	1.977	2.920	7.5	21.0
3 22	12 32.75	− 9 38.9	1.941	2.925	3.8	20.8
4 1	12 24.75	− 8 42.9	1.933	2.929	2.0	20.7
4 11	12 17.11	− 7 43.1	1.955	2.933	5.2	20.9
4 21	12 10.62	− 6 45.7	2.003	2.938	8.8	21.1
5 1	12 5.88	− 5 56.1	2.077	2.942	12.0	21.4

195523 2002 JW_{19} 3 28.1 225°.53 3°.0/24.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 49.91	+ 2 32.2	2.049	2.881	12.6	20.3
3 2	12 45.90	+ 3 31.7	1.969	2.878	9.5	20.1
3 12	12 39.96	+ 4 39.0	1.913	2.875	6.0	19.9
3 22	12 32.67	+ 5 48.2	1.884	2.872	3.2	19.7
4 1	12 24.81	+ 6 52.3	1.884	2.868	4.2	19.7
4 11	12 17.32	+ 7 44.9	1.912	2.865	7.6	19.9
4 21	12 10.96	+ 8 21.6	1.965	2.861	11.0	20.1
5 1	12 6.37	+ 8 40.1	2.041	2.857	14.1	20.3

217965 2001 UJ_{221} 3 28.1 153°.16 1°.9/26.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 53.29	+ 0 10.3	1.934	2.758	13.6	20.5
3 2	12 48.51	+ 0 44.2	1.857	2.761	10.3	20.3
3 12	12 41.65	+ 1 26.6	1.803	2.765	6.4	20.1
3 22	12 33.32	+ 2 12.8	1.777	2.768	2.7	19.8
4 1	12 24.42	+ 2 56.8	1.779	2.770	3.1	19.9
4 11	12 15.95	+ 3 32.7	1.809	2.773	7.0	20.1
4 21	12 8.78	+ 3 56.3	1.865	2.775	10.7	20.3
5 1	12 3.55	+ 4 5.1	1.944	2.777	14.0	20.6

89650 2001 XT_{241} 3 28.1 313°.65 3°.1/25.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 49.49	+ 3 36.8	1.972	2.809	12.8	19.2
3 2	12 45.78	+ 4 16.3	1.879	2.791	9.7	18.9
3 12	12 40.02	+ 5 2.4	1.811	2.774	6.3	18.7
3 22	12 32.75	+ 5 49.8	1.768	2.756	3.4	18.5
4 1	12 24.78	+ 6 32.2	1.754	2.739	4.3	18.5
4 11	12 17.07	+ 7 3.6	1.767	2.723	7.8	18.7
4 21	12 10.49	+ 7 19.9	1.804	2.707	11.5	18.8
5 1	12 5.75	+ 7 19.0	1.864	2.691	14.8	19.0

304658 2006 WV_{30} 3 28.1 287°.16 6°.2/ 4.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 48.08	−25 9.3	2.377	3.085	14.6	20.6
3 2	12 44.59	−25 18.8	2.267	3.071	12.6	20.5
3 12	12 39.22	−25 6.2	2.177	3.057	10.2	20.3
3 22	12 32.44	−24 30.4	2.110	3.043	7.9	20.1
4 1	12 24.98	−23 32.1	2.069	3.030	6.3	20.0
4 11	12 17.72	−22 15.6	2.056	3.016	6.6	20.0
4 21	12 11.47	−20 47.3	2.069	3.002	8.6	20.1
5 1	12 6.88	−19 15.0	2.108	2.988	11.2	20.2

493236 2014 UK_{86} 3 28.1 260°.51 1°.1/27.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 53.71	− 2 48.0	1.746	2.568	14.9	21.7
3 2	12 49.35	− 2 15.7	1.648	2.550	11.5	21.4
3 12	12 42.52	− 1 29.8	1.572	2.532	7.3	21.1
3 22	12 33.79	− 0 34.8	1.521	2.513	2.8	20.8
4 1	12 24.10	+ 0 23.1	1.499	2.494	2.7	20.7
4 11	12 14.65	+ 1 16.0	1.504	2.474	7.4	21.0
4 21	12 6.51	+ 1 57.5	1.535	2.454	12.0	21.2
5 1	12 0.57	+ 2 22.8	1.587	2.434	16.0	21.4

125576 2001 XQ_{21} 3 28.1 23°.68 1°.9/29.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 50.36	− 9 23.3	2.017	2.815	14.1	19.6
3 2	12 46.28	− 9 28.7	1.936	2.820	11.0	19.4
3 12	12 40.23	− 9 20.2	1.879	2.826	7.5	19.2
3 22	12 32.79	− 8 59.5	1.847	2.832	3.8	18.9
4 1	12 24.80	− 8 30.1	1.843	2.839	2.1	18.8
4 11	12 17.18	− 7 56.9	1.867	2.846	5.3	19.1
4 21	12 10.77	− 7 25.0	1.917	2.853	9.0	19.3
5 1	12 6.17	− 6 59.2	1.991	2.861	12.2	19.5

298977 2004 VF_{112} 3 28.1 103°.87 1°.7/26.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 55.92	− 1 21.4	1.597	2.424	15.9	21.1
3 2	12 50.78	− 0 42.7	1.535	2.440	11.9	20.9
3 12	12 43.18	+ 0 7.5	1.494	2.456	7.5	20.7
3 22	12 33.92	+ 1 3.1	1.480	2.472	2.9	20.4
4 1	12 24.12	+ 1 56.9	1.493	2.487	3.2	20.5
4 11	12 14.99	+ 2 41.5	1.534	2.502	7.6	20.8
4 21	12 7.53	+ 3 11.9	1.600	2.516	11.8	21.0
5 1	12 2.39	+ 3 25.2	1.688	2.530	15.4	21.3

189831 2002 VW_{94} 3 28.1 253°.16 2°.3/26.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 55.46	− 0 31.7	1.595	2.424	15.7	21.1
3 2	12 50.94	+ 0 13.9	1.499	2.406	12.0	20.8
3 12	12 43.68	+ 1 13.1	1.424	2.387	7.7	20.5
3 22	12 34.28	+ 2 20.2	1.376	2.367	3.2	20.2
4 1	12 23.79	+ 3 26.9	1.355	2.346	3.9	20.2
4 11	12 13.54	+ 4 24.3	1.360	2.325	8.7	20.4
4 21	12 4.77	+ 5 5.3	1.391	2.303	13.5	20.6
5 1	11 58.43	+ 5 25.7	1.442	2.281	17.7	20.8

426545 2013 RL_{84} 3 28.1 147°.72 2°.7/30.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 52.17	−13 2.5	2.110	2.886	14.3	21.4
3 2	12 47.62	−12 59.9	2.023	2.891	11.4	21.2
3 12	12 41.08	−12 40.5	1.959	2.896	8.0	21.0
3 22	12 33.14	−12 5.7	1.921	2.900	4.5	20.8
4 1	12 24.61	−11 18.9	1.911	2.904	2.8	20.7
4 11	12 16.43	−10 25.6	1.929	2.907	5.3	20.9
4 21	12 9.44	− 9 31.8	1.975	2.911	8.8	21.1
5 1	12 4.27	− 8 43.3	2.046	2.914	12.0	21.3

110722 2001 TG_{232} 3 28.1 236°.69 5°.0/21.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 50.17	+11 9.4	2.392	3.227	10.9	19.7
3 2	12 45.86	+12 13.4	2.314	3.220	8.4	19.5
3 12	12 39.84	+13 17.9	2.262	3.213	6.1	19.4
3 22	12 32.63	+14 16.8	2.237	3.206	5.0	19.3
4 1	12 24.93	+15 4.0	2.241	3.199	6.1	19.4
4 11	12 17.54	+15 35.1	2.273	3.191	8.6	19.5
4 21	12 11.15	+15 47.6	2.329	3.183	11.2	19.6
5 1	12 6.33	+15 41.2	2.407	3.175	13.6	19.8

310996 2003 WZ_{129} 3 28.1 46°.29 3°.9/31.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 52.27	−13 57.9	1.365	2.169	19.3	20.3
3 2	12 48.54	−14 6.4	1.301	2.183	15.4	20.1
3 12	12 42.02	−13 50.5	1.256	2.198	11.0	19.9
3 22	12 33.55	−13 11.4	1.234	2.213	6.4	19.7
4 1	12 24.37	−12 14.2	1.236	2.229	4.0	19.6
4 11	12 15.87	−11 7.6	1.264	2.245	7.0	19.8
4 21	12 9.20	−10 1.3	1.316	2.261	11.3	20.1
5 1	12 5.13	− 9 4.0	1.389	2.278	15.3	20.3

30590 2001 QZ_{9} 3 28.1 140°.45 0°.5/28.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 55.53	− 7 33.4	1.802	2.604	15.3	20.3
3 2	12 50.33	− 6 57.5	1.728	2.617	11.8	20.1
3 12	12 42.86	− 6 5.3	1.676	2.629	7.7	19.9
3 22	12 33.82	− 5 0.8	1.651	2.641	3.1	19.6
4 1	12 24.20	− 3 50.5	1.654	2.651	1.7	19.5
4 11	12 15.12	− 2 42.1	1.686	2.661	6.2	19.8
4 21	12 7.50	− 1 42.4	1.745	2.670	10.4	20.1
5 1	12 2.03	− 0 56.5	1.827	2.679	14.0	20.3

148867 2001 VR_{88} 3 28.1 87°.43 2°.8/25.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 52.50	+ 1 37.3	1.766	2.599	14.3	19.8
3 2	12 48.03	+ 2 25.5	1.699	2.609	10.7	19.6
3 12	12 41.37	+ 3 21.8	1.657	2.620	6.7	19.4
3 22	12 33.24	+ 4 20.2	1.640	2.630	3.2	19.2
4 1	12 24.58	+ 5 13.5	1.652	2.640	4.0	19.3
4 11	12 16.46	+ 5 55.0	1.690	2.650	7.8	19.5
4 21	12 9.76	+ 6 20.7	1.754	2.660	11.6	19.8
5 1	12 5.11	+ 6 28.4	1.840	2.670	14.8	20.0

492251 2013 UH_{6} 3 28.1 226°.94 0°.6/27.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 52.95	− 3 16.2	2.158	2.968	12.9	22.0
3 2	12 48.21	− 2 51.9	2.063	2.959	9.8	21.8
3 12	12 41.48	− 2 17.0	1.992	2.950	6.3	21.5
3 22	12 33.31	− 1 35.1	1.949	2.940	2.4	21.3
4 1	12 24.49	− 0 50.8	1.934	2.930	2.0	21.2
4 11	12 15.94	− 0 9.8	1.949	2.920	6.0	21.4
4 21	12 8.49	+ 0 23.2	1.991	2.909	9.7	21.7
5 1	12 2.81	+ 0 44.6	2.057	2.898	13.0	21.8

141269 2001 YK_{32} 3 28.1 270°.33 4°.2/23.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 51.16	+ 8 45.5	2.315	3.148	11.3	20.4
3 2	12 46.65	+ 9 29.4	2.234	3.141	8.6	20.2
3 12	12 40.36	+10 14.9	2.178	3.134	5.9	20.0
3 22	12 32.84	+10 56.5	2.149	3.127	4.2	19.9
4 1	12 24.81	+11 28.7	2.150	3.120	5.2	20.0
4 11	12 17.10	+11 47.2	2.178	3.114	7.9	20.1
4 21	12 10.44	+11 49.8	2.232	3.107	10.8	20.3
5 1	12 5.41	+11 35.7	2.308	3.100	13.4	20.4

465104 2006 UM_{288} 3 28.1 119°.44 1°.1/29.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 54.39	− 8 45.2	2.064	2.855	14.0	21.9
3 2	12 49.17	− 8 26.9	1.991	2.872	10.9	21.7
3 12	12 41.97	− 7 54.2	1.941	2.889	7.2	21.5
3 22	12 33.45	− 7 10.1	1.918	2.905	3.3	21.3
4 1	12 24.46	− 6 19.1	1.924	2.921	1.6	21.2
4 11	12 15.95	− 5 27.2	1.959	2.936	5.3	21.4
4 21	12 8.73	− 4 39.9	2.022	2.950	9.0	21.7
5 1	12 3.38	− 4 1.9	2.109	2.964	12.2	21.9

2020	α_{2000}	δ_{2000}	Δ	r	β	V
74762 1999 RC_{212}			3 28.1 189°.79		2°.8/30.9 18	
	h m	° ′			°	m
2 21	12 54.96	−13 23.6	2.184	2.951	14.1	20.1
3 2	12 49.75	−13 20.8	2.088	2.950	11.3	19.9
3 12	12 42.48	−13 1.3	2.015	2.949	8.0	19.7
3 22	12 33.71	−12 26.1	1.968	2.946	4.6	19.5
4 1	12 24.27	−11 38.2	1.951	2.943	2.8	19.4
4 11	12 15.13	−10 43.1	1.962	2.939	5.3	19.5
4 21	12 7.15	− 9 46.7	2.001	2.934	8.9	19.7
5 1	12 1.03	− 8 55.1	2.066	2.928	12.2	19.9
418278 2008 EQ_{107}			3 28.1 111°.18		4°.2/31.8 18	
2 21	12 56.41	−15 24.9	1.816	2.584	16.5	21.6
3 2	12 51.11	−15 43.6	1.740	2.599	13.4	21.5
3 12	12 43.42	−15 42.6	1.686	2.613	9.8	21.3
3 22	12 34.07	−15 22.0	1.656	2.627	6.1	21.1
4 1	12 24.07	−14 44.5	1.654	2.641	4.2	21.0
4 11	12 14.59	−13 56.0	1.679	2.654	6.2	21.1
4 21	12 6.62	−13 3.6	1.731	2.667	9.7	21.4
5 1	12 0.88	−12 14.3	1.807	2.680	13.1	21.6
234884 2002 TR_{74}			3 28.1 182°.70		2°.5/25.4 18	
2 21	12 52.42	+ 3 34.2	2.462	3.283	11.1	20.9
3 2	12 47.45	+ 4 6.6	2.380	3.283	8.4	20.7
3 12	12 40.81	+ 4 43.5	2.324	3.283	5.3	20.6
3 22	12 33.00	+ 5 20.6	2.295	3.283	2.7	20.4
4 1	12 24.74	+ 5 53.3	2.297	3.282	3.4	20.4
4 11	12 16.80	+ 6 17.4	2.327	3.281	6.4	20.6
4 21	12 9.87	+ 6 30.1	2.385	3.280	9.4	20.8
5 1	12 4.49	+ 6 29.8	2.467	3.278	12.0	21.0
2140 Kemerovo			3 28.1 152°.94		3°.2/31.8 18	
2 21	12 50.15	−15 25.0	2.374	3.136	13.3	16.4
3 2	12 45.92	−15 23.4	2.283	3.138	10.7	16.3
3 12	12 39.93	−15 5.4	2.214	3.141	7.8	16.1
3 22	12 32.69	−14 31.9	2.172	3.143	4.8	15.9
4 1	12 24.93	−13 45.5	2.157	3.146	3.2	15.8
4 11	12 17.46	−12 51.0	2.171	3.148	4.9	15.9
4 21	12 11.02	−11 54.1	2.214	3.150	7.9	16.1
5 1	12 6.17	−11 0.3	2.281	3.152	10.9	16.3
327814 2006 VZ_{74}			3 28.1 48°.15		4°.3/ 1.1 18	
2 21	12 50.14	−16 31.4	1.551	2.337	18.1	20.3
3 2	12 46.69	−16 25.9	1.478	2.347	14.7	20.1
3 12	12 40.76	−15 54.9	1.425	2.358	10.7	19.9
3 22	12 33.07	−14 59.7	1.395	2.370	6.6	19.7
4 1	12 24.70	−13 45.3	1.391	2.381	4.3	19.6
4 11	12 16.89	−12 20.2	1.413	2.393	6.5	19.7
4 21	12 10.66	−10 54.5	1.460	2.405	10.5	20.0
5 1	12 6.75	− 9 37.1	1.530	2.417	14.3	20.2
292391 2006 SE_{268}			3 28.1 350°.32		0°.7/28.8 18	
2 21	12 51.76	− 5 50.4	2.170	2.973	13.0	20.6
3 2	12 47.25	− 5 51.9	2.082	2.972	10.1	20.4
3 12	12 40.83	− 5 42.8	2.018	2.971	6.6	20.2
3 22	12 33.05	− 5 25.3	1.980	2.970	2.8	19.9
4 1	12 24.70	− 5 2.7	1.972	2.969	1.5	19.8
4 11	12 16.66	− 4 39.6	1.992	2.968	5.3	20.1
4 21	12 9.73	− 4 20.0	2.039	2.968	8.9	20.3
5 1	12 4.53	− 4 7.7	2.110	2.968	12.1	20.5
8890 Montaigne			3 28.1 30°.74		0°.2/27.9 18	
2 21	12 48.70	− 4 46.7	1.918	2.738	13.9	17.7
3 2	12 45.05	− 4 19.5	1.846	2.747	10.5	17.5
3 12	12 39.45	− 3 39.9	1.797	2.756	6.7	17.3
3 22	12 32.53	− 2 51.9	1.774	2.766	2.5	17.0
4 1	12 25.10	− 2 1.1	1.779	2.776	1.8	17.0
4 11	12 18.11	− 1 13.6	1.812	2.787	5.9	17.3
4 21	12 12.35	− 0 34.8	1.870	2.798	9.7	17.5
5 1	12 8.40	− 0 8.3	1.952	2.809	13.0	17.8
163720 2003 HW_{25}			3 28.1 276°.64		2°.1/29.8 16	
2 21	12 51.73	−10 43.6	1.507	2.317	17.5	20.7
3 2	12 48.25	−10 28.9	1.413	2.303	13.9	20.5
3 12	12 42.03	− 9 52.2	1.338	2.288	9.5	20.2
3 22	12 33.69	− 8 55.2	1.287	2.274	4.7	19.8
4 1	12 24.29	− 7 43.3	1.263	2.259	2.4	19.6
4 11	12 15.16	− 6 25.3	1.264	2.245	7.0	19.9
4 21	12 7.56	− 5 11.0	1.290	2.230	12.0	20.1
5 1	12 2.43	− 4 9.2	1.338	2.215	16.5	20.3
240873 2006 DU_{3}			3 28.1 74°.48		0°.6/27.6 18	
2 21	12 52.41	− 5 54.4	1.372	2.202	17.8	20.8
3 2	12 48.52	− 5 2.8	1.311	2.217	13.5	20.6
3 12	12 41.94	− 3 52.0	1.270	2.231	8.6	20.3
3 22	12 33.53	− 2 28.6	1.254	2.246	3.2	20.1
4 1	12 24.49	− 1 2.1	1.264	2.260	2.5	20.1
4 11	12 16.16	+ 0 16.9	1.300	2.275	7.7	20.4
4 21	12 9.61	+ 1 20.2	1.360	2.289	12.5	20.7
5 1	12 5.57	+ 2 2.9	1.442	2.303	16.5	21.0

2020	α_{2000}	δ_{2000}	Δ	r	β	V
21453 Victorlevine			3 28.1 296°.34		1°.5/29.5 18	
	h m	° ′			°	m
2 21	12 49.72	−10 15.6	1.518	2.332	17.2	18.9
3 2	12 46.59	− 9 47.5	1.429	2.322	13.5	18.6
3 12	12 40.88	− 8 56.9	1.360	2.312	9.1	18.3
3 22	12 33.22	− 7 46.7	1.314	2.302	4.3	18.0
4 1	12 24.62	− 6 23.4	1.295	2.293	2.1	17.8
4 11	12 16.38	− 4 56.6	1.303	2.283	6.9	18.1
4 21	12 9.63	− 3 36.2	1.335	2.274	11.8	18.3
5 1	12 5.25	− 2 30.6	1.389	2.265	16.1	18.6
340363 2006 DF_{116}			3 28.1 275°.17		0°.7/27.6 17	
2 21	12 55.97	− 1 11.3	2.022	2.835	13.5	21.1
3 2	12 50.68	− 1 14.9	1.926	2.824	10.3	20.8
3 12	12 43.17	− 1 11.1	1.854	2.812	6.6	20.6
3 22	12 34.03	− 1 2.8	1.809	2.801	2.5	20.3
4 1	12 24.12	− 0 53.6	1.793	2.789	2.1	20.2
4 11	12 14.49	− 0 47.7	1.806	2.778	6.3	20.5
4 21	12 6.07	− 0 48.7	1.846	2.766	10.3	20.7
5 1	11 59.62	− 0 59.3	1.910	2.755	13.7	20.9
325189 2008 FC_{97}			3 28.1 9°.44		0°.9/28.9 17	
2 21	12 47.88	− 9 23.0	1.512	2.333	16.9	20.0
3 2	12 45.04	− 8 39.9	1.435	2.334	13.1	19.8
3 12	12 39.76	− 7 34.8	1.379	2.335	8.7	19.5
3 22	12 32.72	− 6 12.1	1.347	2.336	3.7	19.2
4 1	12 24.97	− 4 39.9	1.341	2.339	1.8	19.1
4 11	12 17.69	− 3 8.3	1.362	2.341	6.8	19.4
4 21	12 11.91	− 1 46.8	1.407	2.344	11.5	19.7
5 1	12 8.37	− 0 42.8	1.474	2.348	15.5	19.9
135441 2001 UJ_{201}			3 28.1 0°.02		0°.2/28.2 18	
2 21	12 54.01	− 4 9.5	1.223	2.063	18.9	19.9
3 2	12 50.29	− 4 10.8	1.151	2.061	14.6	19.6
3 12	12 43.43	− 3 56.4	1.098	2.060	9.5	19.3
3 22	12 34.23	− 3 30.1	1.068	2.060	3.7	19.0
4 1	12 24.01	− 2 58.2	1.063	2.060	2.3	18.9
4 11	12 14.38	− 2 28.8	1.082	2.061	8.2	19.2
4 21	12 6.73	− 2 8.9	1.124	2.063	13.5	19.5
5 1	12 1.99	− 2 3.5	1.186	2.065	18.1	19.8
419231 2009 VO_{23}			3 28.1 93°.15		5°.4/22.8 18	
2 21	12 53.74	+10 14.7	1.951	2.788	12.9	20.9
3 2	12 48.71	+11 16.3	1.896	2.804	9.9	20.8
3 12	12 41.69	+12 17.7	1.865	2.819	6.9	20.6
3 22	12 33.35	+13 11.8	1.862	2.835	5.4	20.6
4 1	12 24.62	+13 51.9	1.886	2.850	6.5	20.6
4 11	12 16.47	+14 13.6	1.937	2.865	9.2	20.8
4 21	12 9.69	+14 15.1	2.013	2.880	12.1	21.0
5 1	12 4.84	+13 57.1	2.110	2.894	14.7	21.3
258741 2002 GX_{158}			3 28.1 331°.99		0°.9/27.4 17	
2 21	12 44.49	− 5 39.8	1.161	2.015	18.7	19.9
3 2	12 43.25	− 4 51.2	1.077	1.997	14.5	19.6
3 12	12 39.08	− 3 37.7	1.013	1.980	9.3	19.2
3 22	12 32.61	− 2 5.1	0.970	1.963	3.5	18.8
4 1	12 25.00	− 0 23.9	0.952	1.948	3.0	18.7
4 11	12 17.75	+ 1 12.1	0.956	1.935	9.2	19.0
4 21	12 12.24	+ 2 30.5	0.983	1.922	14.9	19.3
5 1	12 9.49	+ 3 23.1	1.027	1.911	19.9	19.6
5667 Nakhimovskaya			3 28.1 229°.13		1°.3/26.9 18	
2 21	12 53.57	− 3 9.8	1.811	2.630	14.6	18.0
3 2	12 49.09	− 2 20.1	1.718	2.619	11.1	17.8
3 12	12 42.28	− 1 16.0	1.647	2.608	7.1	17.5
3 22	12 33.71	− 0 2.4	1.604	2.595	2.7	17.2
4 1	12 24.33	+ 1 13.5	1.588	2.583	2.8	17.2
4 11	12 15.24	+ 2 23.2	1.601	2.569	7.3	17.4
4 21	12 7.46	+ 3 20.0	1.640	2.555	11.7	17.6
5 1	12 1.78	+ 3 59.0	1.701	2.540	15.4	17.8
350290 2012 TL_{294}			3 28.1 220°.13		2°.4/25.5 18	
2 21	12 52.49	+ 3 38.2	2.490	3.311	11.0	21.6
3 2	12 47.55	+ 4 7.1	2.402	3.304	8.3	21.4
3 12	12 40.92	+ 4 40.3	2.338	3.298	5.3	21.2
3 22	12 33.10	+ 5 13.9	2.303	3.291	2.7	21.0
4 1	12 24.77	+ 5 43.3	2.298	3.284	3.4	21.0
4 11	12 16.72	+ 6 4.4	2.322	3.276	6.3	21.2
4 21	12 9.65	+ 6 14.4	2.373	3.269	9.4	21.4
5 1	12 4.10	+ 6 11.7	2.448	3.261	12.1	21.5
319426 2006 HO_{98}			3 28.1 291°.91		0°.6/28.7 17	
2 21	12 50.20	− 6 53.5	2.009	2.816	13.8	21.4
3 2	12 46.25	− 6 32.8	1.920	2.813	10.6	21.1
3 12	12 40.29	− 5 58.3	1.855	2.809	7.0	20.9
3 22	12 32.90	− 5 13.0	1.815	2.805	2.9	20.6
4 1	12 24.88	− 4 21.7	1.804	2.802	1.5	20.5
4 11	12 17.19	− 3 30.5	1.821	2.798	5.7	20.8
4 21	12 10.65	− 2 45.1	1.865	2.795	9.6	21.0
5 1	12 5.94	− 2 10.3	1.932	2.791	13.0	21.2

2020	α_{2000}	δ_{2000}	Δ	r	β	V
92811 2000 QF_{167}			3 28.1 110°.17		0°.1/28.2 18	
	h m	° ′			°	m
2 21	12 52.25	− 7 29.0	1.580	2.397	16.5	19.5
3 2	12 48.16	− 6 38.7	1.509	2.407	12.6	19.3
3 12	12 41.64	− 5 29.2	1.460	2.418	8.1	19.0
3 22	12 33.43	− 4 5.9	1.436	2.427	3.2	18.7
4 1	12 24.59	− 2 37.1	1.440	2.437	2.0	18.7
4 11	12 16.31	− 1 12.4	1.471	2.446	6.9	19.0
4 21	12 9.60	+ 0 0.0	1.527	2.456	11.4	19.3
5 1	12 5.16	+ 0 54.3	1.606	2.464	15.2	19.5
419703 2010 UG_{63}			3 28.1 73°.90		7°.5/23.0 18	
2 21	13 2.99	+16 9.3	1.637	2.467	15.3	20.9
3 2	12 55.90	+16 46.5	1.592	2.490	12.1	20.7
3 12	12 46.28	+17 16.1	1.570	2.513	9.1	20.6
3 22	12 35.10	+17 30.3	1.574	2.536	7.5	20.5
4 1	12 23.62	+17 23.5	1.606	2.558	8.6	20.7
4 11	12 13.12	+16 53.3	1.663	2.580	11.2	20.9
4 21	12 4.57	+16 1.4	1.745	2.602	14.1	21.1
5 1	11 58.57	+14 51.5	1.847	2.624	16.7	21.3
462179 2007 TK_{367}			3 28.1 114°.95		5°.1/23.6 18	
2 21	12 58.36	+ 9 2.8	1.874	2.704	13.7	21.7
3 2	12 52.22	+10 0.6	1.820	2.725	10.4	21.5
3 12	12 43.91	+10 59.0	1.791	2.746	7.1	21.4
3 22	12 34.22	+11 50.7	1.790	2.766	5.1	21.3
4 1	12 24.14	+12 29.0	1.816	2.785	6.2	21.4
4 11	12 14.75	+12 49.1	1.871	2.804	9.2	21.6
4 21	12 6.91	+12 49.5	1.951	2.822	12.3	21.8
5 1	12 1.20	+12 30.8	2.052	2.839	15.0	22.1
311238 2005 CH_{26}			3 28.1 136°.99		1°.7/26.5 18	
2 21	12 54.90	− 1 31.5	1.873	2.692	14.2	21.3
3 2	12 49.75	− 0 43.1	1.803	2.705	10.7	21.1
3 12	12 42.46	+ 0 16.1	1.756	2.717	6.7	20.9
3 22	12 33.70	+ 1 20.7	1.737	2.728	2.6	20.7
4 1	12 24.43	+ 2 23.6	1.746	2.739	3.0	20.7
4 11	12 15.68	+ 3 18.0	1.784	2.749	7.0	21.0
4 21	12 8.32	+ 3 59.0	1.848	2.758	10.8	21.2
5 1	12 2.99	+ 4 23.4	1.935	2.767	14.1	21.4
144829 2004 JV_{16}			3 28.1 18°.81		2°.0/26.6 18	
2 21	12 51.86	− 0 23.6	1.397	2.241	16.8	19.6
3 2	12 48.16	+ 0 3.5	1.330	2.244	12.7	19.3
3 12	12 41.79	+ 0 42.1	1.284	2.249	8.0	19.1
3 22	12 33.52	+ 1 26.2	1.262	2.254	3.2	18.8
4 1	12 24.53	+ 2 8.3	1.266	2.260	3.5	18.8
4 11	12 16.14	+ 2 40.7	1.295	2.266	8.3	19.1
4 21	12 9.47	+ 2 58.1	1.348	2.273	12.9	19.4
5 1	12 5.27	+ 2 57.7	1.422	2.281	16.8	19.6
201737 2003 UF_{258}			3 28.1 305°.90		2°.9/25.9 17	
2 21	12 53.40	+ 3 4.9	1.754	2.588	14.3	19.4
3 2	12 49.16	+ 3 26.0	1.654	2.564	10.9	19.1
3 12	12 42.46	+ 3 54.0	1.577	2.539	7.1	18.8
3 22	12 33.85	+ 4 23.6	1.526	2.515	3.4	18.6
4 1	12 24.26	+ 4 48.8	1.502	2.491	4.1	18.5
4 11	12 14.87	+ 5 3.5	1.505	2.467	8.3	18.7
4 21	12 6.77	+ 5 3.6	1.532	2.444	12.6	18.9
5 1	12 0.85	+ 4 46.7	1.582	2.420	16.4	19.1
224378 2005 UD_{183}			3 28.1 83°.70		1°.6/26.7 17	
2 21	12 52.38	− 1 10.7	1.800	2.627	14.3	20.9
3 2	12 47.99	− 0 37.2	1.727	2.633	10.8	20.7
3 12	12 41.42	+ 0 6.6	1.677	2.639	6.8	20.4
3 22	12 33.33	+ 0 55.6	1.653	2.645	2.7	20.2
4 1	12 24.66	+ 1 43.7	1.657	2.651	2.9	20.2
4 11	12 16.47	+ 2 24.4	1.689	2.657	7.0	20.5
4 21	12 9.65	+ 2 52.8	1.746	2.663	10.9	20.7
5 1	12 4.86	+ 3 6.0	1.825	2.669	14.4	20.9
276521 2003 RM_{14}			3 28.1 196°.67		0°.4/28.7 18	
2 21	12 50.16	− 7 47.8	2.857	3.643	10.7	21.8
3 2	12 45.62	− 7 9.5	2.759	3.639	8.2	21.6
3 12	12 39.61	− 6 19.7	2.685	3.635	5.4	21.4
3 22	12 32.58	− 5 21.2	2.640	3.629	2.2	21.2
4 1	12 25.12	− 4 17.9	2.626	3.624	1.2	21.1
4 11	12 17.88	− 3 14.6	2.643	3.617	4.4	21.3
4 21	12 11.45	− 2 15.8	2.689	3.610	7.4	21.5
5 1	12 6.33	− 1 25.6	2.761	3.602	10.1	21.6
190602 2000 UZ_{79}			3 28.1 269°.77		10°.3/ 9.6 18	
2 21	12 53.02	−37 34.1	2.352	2.959	17.0	20.3
3 2	12 48.86	−38 2.0	2.224	2.932	15.6	20.1
3 12	12 42.28	−38 2.3	2.112	2.904	13.9	19.9
3 22	12 33.79	−37 30.1	2.019	2.875	12.2	19.7
4 1	12 24.28	−36 22.4	1.949	2.845	10.8	19.6
4 11	12 14.88	−34 40.9	1.903	2.815	10.3	19.5
4 21	12 6.67	−32 31.8	1.883	2.784	11.2	19.5
5 1	12 0.57	−30 5.1	1.889	2.753	13.1	19.5

2020	α_{2000}	δ_{2000}	Δ	r	β	V
116940 2004 GX_{39}			3 28.1 245°.37		0°.4/28.6 18	
	h m	° ′			°	m
2 21	12 51.89	− 5 29.8	2.680	3.474	11.1	20.4
3 2	12 47.09	− 5 23.7	2.575	3.461	8.6	20.2
3 12	12 40.65	− 5 8.5	2.495	3.447	5.6	20.0
3 22	12 33.03	− 4 46.4	2.443	3.433	2.3	19.8
4 1	12 24.85	− 4 20.2	2.421	3.418	1.3	19.7
4 11	12 16.84	− 3 53.7	2.429	3.404	4.7	19.9
4 21	12 9.69	− 3 30.6	2.466	3.389	7.9	20.1
5 1	12 3.94	− 3 14.1	2.528	3.373	10.8	20.2
501857 2014 WU_{230}			3 28.1 19°.09		0°.5/27.6 17	
2 21	12 46.32	− 7 20.1	1.631	2.457	15.6	20.1
3 2	12 43.64	− 6 9.0	1.556	2.460	11.9	19.8
3 12	12 38.76	− 4 37.7	1.504	2.464	7.6	19.6
3 22	12 32.33	− 2 52.5	1.477	2.469	2.8	19.3
4 1	12 25.31	− 1 2.7	1.477	2.474	2.2	19.3
4 11	12 18.74	+ 0 41.2	1.505	2.479	7.0	19.6
4 21	12 13.54	+ 2 10.3	1.558	2.485	11.3	19.8
5 1	12 10.35	+ 3 18.6	1.633	2.491	15.0	20.1
463167 2012 BG_{47}			3 28.1 323°.32		2°.6/30.0 17	
2 21	12 50.38	−10 6.6	1.405	2.224	18.0	21.0
3 2	12 47.39	−10 15.8	1.315	2.210	14.4	20.7
3 12	12 41.58	−10 5.1	1.245	2.196	10.0	20.4
3 22	12 33.57	− 9 35.3	1.197	2.183	5.2	20.1
4 1	12 24.46	− 8 50.6	1.174	2.170	2.8	19.9
4 11	12 15.64	− 7 58.6	1.176	2.158	7.2	20.1
4 21	12 8.42	− 7 8.0	1.202	2.147	12.2	20.4
5 1	12 3.78	− 6 26.9	1.249	2.137	16.8	20.6
368269 2002 CV_{70}			3 28.1 124°.52		9°.9/ 6.1 18	
2 21	12 58.90	−29 52.6	2.064	2.733	17.6	20.7
3 2	12 53.36	−31 19.9	1.975	2.737	15.7	20.5
3 12	12 45.16	−32 24.5	1.905	2.742	13.5	20.4
3 22	12 34.91	−33 1.4	1.857	2.746	11.4	20.2
4 1	12 23.62	−33 7.9	1.833	2.750	10.1	20.2
4 11	12 12.57	−32 45.6	1.834	2.754	10.1	20.2
4 21	12 2.95	−32 0.2	1.859	2.758	11.4	20.3
5 1	11 55.69	−31 0.2	1.908	2.762	13.4	20.4
47042 1998 WP_{3}			3 28.1 100°.55		1°.6/26.4 18	
2 21	12 50.32	− 0 43.1	2.136	2.958	12.5	18.7
3 2	12 46.10	− 0 2.4	2.060	2.964	9.4	18.6
3 12	12 40.07	+ 0 47.1	2.010	2.971	5.9	18.3
3 22	12 32.79	+ 1 40.7	1.986	2.977	2.4	18.1
4 1	12 25.04	+ 2 32.8	1.991	2.983	2.8	18.2
4 11	12 17.68	+ 3 17.7	2.025	2.989	6.3	18.4
4 21	12 11.44	+ 3 51.1	2.085	2.996	9.7	18.6
5 1	12 6.89	+ 4 10.5	2.168	3.002	12.7	18.8
68990 2002 TY_{44}			3 28.1 69°.61		0°.9/27.2 18	
2 21	12 50.21	− 3 6.5	2.057	2.875	13.1	19.4
3 2	12 46.03	− 2 30.3	1.989	2.889	9.9	19.2
3 12	12 40.01	− 1 43.6	1.944	2.904	6.2	19.0
3 22	12 32.75	− 0 50.9	1.926	2.918	2.3	18.8
4 1	12 25.08	+ 0 2.3	1.937	2.932	2.1	18.8
4 11	12 17.85	+ 0 50.2	1.976	2.947	5.9	19.1
4 21	12 11.80	+ 1 28.1	2.042	2.961	9.5	19.3
5 1	12 7.49	+ 1 52.8	2.132	2.975	12.5	19.6
150094 6845 $P–L$			3 28.1 207°.90		1°.2/26.5 17	
2 21	12 49.40	− 0 25.9	2.924	3.734	9.8	21.5
3 2	12 45.00	+ 0 8.0	2.831	3.729	7.4	21.4
3 12	12 39.20	+ 0 48.4	2.764	3.723	4.7	21.2
3 22	12 32.44	+ 1 32.0	2.726	3.717	1.9	21.0
4 1	12 25.26	+ 2 14.9	2.718	3.710	2.1	21.0
4 11	12 18.29	+ 2 53.1	2.740	3.703	5.0	21.2
4 21	12 12.11	+ 3 23.4	2.791	3.696	7.8	21.3
5 1	12 7.18	+ 3 43.4	2.866	3.688	10.3	21.5
468054 2013 RC_{63}			3 28.1 143°.24		0°.2/28.3 17	
2 21	12 52.59	− 5 39.3	2.036	2.842	13.7	22.2
3 2	12 47.96	− 5 15.9	1.955	2.848	10.5	22.0
3 12	12 41.33	− 4 39.9	1.898	2.854	6.7	21.8
3 22	12 33.31	− 3 54.8	1.868	2.859	2.7	21.5
4 1	12 24.73	− 3 5.7	1.866	2.864	1.6	21.4
4 11	12 16.56	− 2 18.2	1.893	2.868	5.7	21.7
4 21	12 9.60	− 1 37.9	1.947	2.872	9.5	22.0
5 1	12 4.49	− 1 8.6	2.025	2.876	12.8	22.2
219815 2002 BX_{4}			3 28.1 63°.41		5°.1/31.9 18	
2 21	13 0.99	−15 17.9	1.682	2.448	17.7	19.2
3 2	12 54.65	−16 13.2	1.621	2.476	14.4	19.0
3 12	12 45.70	−16 49.0	1.581	2.504	10.6	18.9
3 22	12 35.00	−17 4.1	1.566	2.533	7.0	18.7
4 1	12 23.71	−16 59.9	1.578	2.561	5.1	18.7
4 11	12 13.15	−16 41.0	1.618	2.589	6.9	18.8
4 21	12 4.37	−16 14.0	1.683	2.617	10.2	19.1
5 1	11 58.09	−15 46.0	1.773	2.645	13.4	19.3

237643 2001 SP_{98} 3 28.1 254°.16 0°.1/28.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 47.66	− 6 49.6	2.269	3.075	12.4	21.0
3 2	12 44.11	− 6 0.2	2.177	3.070	9.5	20.8
3 12	12 38.84	− 4 56.7	2.109	3.065	6.1	20.5
3 22	12 32.35	− 3 42.9	2.068	3.059	2.4	20.3
4 1	12 25.34	− 2 24.4	2.057	3.054	1.5	20.2
4 11	12 18.60	− 1 7.9	2.074	3.048	5.4	20.4
4 21	12 12.83	+ 0 0.8	2.119	3.042	9.0	20.7
5 1	12 8.63	+ 0 56.7	2.189	3.037	12.1	20.8

120104 2003 FG_{9} 3 28.1 108°.96 8°.8/18.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 53.67	+18 56.9	1.851	2.690	13.4	19.2
3 2	12 48.91	+20 35.2	1.804	2.701	11.0	19.0
3 12	12 41.95	+22 6.3	1.781	2.711	9.2	18.9
3 22	12 33.53	+23 20.4	1.784	2.721	8.9	18.9
4 1	12 24.65	+24 9.8	1.813	2.731	10.2	19.0
4 11	12 16.38	+24 30.5	1.867	2.740	12.5	19.2
4 21	12 9.60	+24 22.5	1.941	2.750	14.9	19.4
5 1	12 4.91	+23 48.5	2.034	2.759	17.0	19.5

16762 1996 TK_{10} 3 28.1 187°.74 1°.9/29.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 55.77	− 9 56.5	1.920	2.708	15.0	19.2
3 2	12 50.62	− 9 53.1	1.830	2.708	11.8	19.0
3 12	12 43.19	− 9 33.9	1.763	2.707	8.1	18.8
3 22	12 34.09	− 9 0.6	1.721	2.706	4.0	18.5
4 1	12 24.24	− 8 17.0	1.708	2.704	2.1	18.4
4 11	12 14.76	− 7 29.0	1.724	2.701	5.8	18.6
4 21	12 6.60	− 6 42.9	1.766	2.698	9.9	18.8
5 1	12 0.51	− 6 4.5	1.833	2.694	13.5	19.0

117016 2004 JH_{8} 3 28.1 244°.32 5°.1/21.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 49.47	+11 57.3	2.532	3.366	10.4	20.1
3 2	12 45.30	+13 4.7	2.452	3.357	8.1	19.9
3 12	12 39.52	+14 12.2	2.399	3.347	6.0	19.8
3 22	12 32.59	+15 14.0	2.373	3.338	5.1	19.7
4 1	12 25.20	+16 4.1	2.375	3.328	6.2	19.8
4 11	12 18.07	+16 38.2	2.406	3.317	8.4	19.9
4 21	12 11.87	+16 53.9	2.461	3.307	10.9	20.0
5 1	12 7.14	+16 50.9	2.538	3.296	13.2	20.2

211541 2003 RA_{21} 3 28.1 109°.16 0°.2/28.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 55.49	− 5 20.1	1.622	2.437	16.2	20.5
3 2	12 50.61	− 5 6.2	1.549	2.446	12.4	20.2
3 12	12 43.23	− 4 37.9	1.498	2.455	8.0	20.0
3 22	12 34.09	− 3 59.2	1.473	2.463	3.2	19.7
4 1	12 24.28	− 3 15.5	1.474	2.472	1.9	19.6
4 11	12 15.02	− 2 33.9	1.504	2.480	6.7	20.0
4 21	12 7.36	− 2 0.4	1.558	2.488	11.2	20.2
5 1	12 2.03	− 1 39.5	1.636	2.495	14.9	20.5

265627 2005 SN_{189} 3 28.1 228°.52 0°.6/27.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 52.48	− 3 40.0	1.880	2.698	14.2	21.2
3 2	12 48.12	− 3 13.0	1.794	2.694	10.8	21.0
3 12	12 41.58	− 2 33.6	1.731	2.690	6.9	20.8
3 22	12 33.46	− 1 46.0	1.694	2.686	2.6	20.5
4 1	12 24.66	− 0 55.7	1.685	2.681	2.1	20.4
4 11	12 16.21	− 0 9.2	1.704	2.677	6.5	20.7
4 21	12 9.03	+ 0 27.8	1.749	2.672	10.6	20.9
5 1	12 3.84	+ 0 51.4	1.818	2.667	14.1	21.1

157492 2005 RY_{24} 3 28.1 212°.45 0°.9/27.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 57.26	− 3 5.7	1.834	2.645	14.7	20.8
3 2	12 51.90	− 2 36.1	1.741	2.638	11.3	20.5
3 12	12 44.10	− 1 54.0	1.671	2.629	7.2	20.2
3 22	12 34.48	− 1 3.5	1.628	2.620	2.7	19.9
4 1	12 24.01	− 0 10.5	1.614	2.609	2.4	19.9
4 11	12 13.87	+ 0 37.9	1.628	2.598	7.0	20.2
4 21	12 5.10	+ 1 15.9	1.669	2.586	11.4	20.4
5 1	11 58.52	+ 1 39.3	1.733	2.573	15.1	20.6

225987 2002 CT_{251} 3 28.1 353°.84 7°.5/ 2.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 53.93	−20 34.3	1.655	2.409	18.4	19.8
3 2	12 49.84	−21 39.6	1.568	2.407	15.6	19.5
3 12	12 43.03	−22 23.1	1.500	2.405	12.4	19.3
3 22	12 34.13	−22 41.4	1.455	2.403	9.4	19.1
4 1	12 24.21	−22 33.5	1.433	2.402	7.6	19.0
4 11	12 14.59	−22 3.2	1.437	2.401	8.5	19.1
4 21	12 6.50	−21 17.6	1.466	2.401	11.2	19.2
5 1	12 0.88	−20 25.5	1.517	2.401	14.5	19.4

420529 2012 FP_{68} 3 28.1 62°.17 4°.0/24.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 50.33	+ 2 43.7	1.593	2.438	15.0	21.0
3 2	12 46.69	+ 4 3.0	1.528	2.444	11.2	20.8
3 12	12 40.72	+ 5 32.0	1.485	2.450	7.2	20.5
3 22	12 33.12	+ 7 2.1	1.469	2.456	4.1	20.4
4 1	12 24.91	+ 8 23.5	1.479	2.462	5.5	20.5
4 11	12 17.25	+ 9 27.8	1.516	2.468	9.3	20.7
4 21	12 11.07	+10 9.9	1.577	2.474	13.2	20.9
5 1	12 7.05	+10 27.8	1.658	2.480	16.5	21.2

501695 2014 UC_{4} 3 28.1 303°.16 5°.6/23.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 51.36	+ 6 8.1	1.408	2.263	16.0	20.5
3 2	12 48.18	+ 7 16.3	1.318	2.238	12.3	20.2
3 12	12 42.14	+ 8 33.9	1.250	2.214	8.4	19.9
3 22	12 33.85	+ 9 51.7	1.206	2.190	5.7	19.7
4 1	12 24.40	+10 58.7	1.188	2.166	7.4	19.7
4 11	12 15.20	+11 44.8	1.194	2.142	11.6	19.8
4 21	12 7.58	+12 4.0	1.221	2.119	16.2	20.0
5 1	12 2.55	+11 54.3	1.267	2.096	20.3	20.2

246386 2007 UP_{18} 3 28.2 147°.46 1°.4/29.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 49.40	−10 39.1	2.531	3.312	12.0	20.9
3 2	12 45.21	−10 13.9	2.444	3.318	9.4	20.8
3 12	12 39.44	− 9 35.1	2.381	3.324	6.4	20.6
3 22	12 32.58	− 8 45.0	2.345	3.329	3.1	20.4
4 1	12 25.28	− 7 47.4	2.338	3.335	1.6	20.3
4 11	12 18.29	− 6 47.6	2.361	3.339	4.5	20.5
4 21	12 12.23	− 5 50.4	2.413	3.344	7.6	20.7
5 1	12 7.63	− 5 0.5	2.490	3.348	10.5	20.9

303363 2004 UQ_{9} 3 28.2 173°.85 3°.5/24.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 55.28	+ 3 36.6	2.007	2.832	13.1	22.1
3 2	12 50.01	+ 4 41.6	1.931	2.836	9.9	21.9
3 12	12 42.66	+ 5 53.7	1.880	2.840	6.4	21.7
3 22	12 33.86	+ 7 6.1	1.856	2.842	3.6	21.6
4 1	12 24.48	+ 8 11.5	1.862	2.843	4.7	21.6
4 11	12 15.54	+ 9 3.5	1.896	2.844	8.1	21.8
4 21	12 7.88	+ 9 37.9	1.957	2.844	11.5	22.0
5 1	12 2.17	+ 9 53.0	2.040	2.842	14.5	22.2

370143 2001 XM_{78} 3 28.2 189°.65 4°.9/ 2.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 51.89	−21 23.4	2.318	3.045	14.5	21.4
3 2	12 47.43	−21 19.7	2.219	3.044	12.1	21.2
3 12	12 41.03	−20 54.9	2.141	3.043	9.4	21.0
3 22	12 33.25	−20 8.7	2.088	3.041	6.6	20.8
4 1	12 24.85	−19 3.3	2.063	3.038	4.9	20.7
4 11	12 16.74	−17 44.1	2.066	3.035	5.8	20.7
4 21	12 9.72	−16 17.9	2.097	3.032	8.4	20.9
5 1	12 4.45	−14 52.4	2.153	3.027	11.3	21.1

24213 1999 XA_{61} 3 28.2 158°.62 6°.0/20.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 53.58	+16 15.7	2.555	3.381	10.6	19.0
3 2	12 48.28	+17 22.3	2.494	3.388	8.4	18.8
3 12	12 41.33	+18 25.1	2.459	3.395	6.6	18.7
3 22	12 33.29	+19 17.8	2.452	3.401	6.0	18.7
4 1	12 24.87	+19 55.3	2.473	3.406	7.1	18.7
4 11	12 16.86	+20 14.0	2.522	3.411	9.0	18.9
4 21	12 9.91	+20 13.1	2.596	3.416	11.2	19.0
5 1	12 4.53	+19 53.4	2.690	3.419	13.2	19.2

64003 2001 SN_{118} 3 28.2 66°.79 2°.0/29.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 52.56	−11 14.8	1.312	2.128	19.2	20.1
3 2	12 48.82	−10 45.9	1.250	2.143	15.0	19.9
3 12	12 42.27	− 9 52.2	1.207	2.159	10.1	19.6
3 22	12 33.77	− 8 38.0	1.188	2.175	4.9	19.4
4 1	12 24.58	− 7 11.3	1.194	2.191	2.3	19.2
4 11	12 16.13	− 5 43.3	1.226	2.207	7.1	19.6
4 21	12 9.56	− 4 24.4	1.282	2.223	12.0	19.9
5 1	12 5.62	− 3 22.3	1.359	2.239	16.2	20.2

60050 1999 TJ_{106} 3 28.2 229°.37 1°.4/30.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 46.95	−12 21.1	2.637	3.413	11.7	19.5
3 2	12 43.38	−11 34.1	2.537	3.408	9.2	19.3
3 12	12 38.29	−10 31.3	2.461	3.402	6.3	19.1
3 22	12 32.15	− 9 15.3	2.412	3.396	3.2	18.9
4 1	12 25.56	− 7 50.4	2.393	3.389	1.6	18.7
4 11	12 19.19	− 6 22.6	2.405	3.383	4.4	18.9
4 21	12 13.67	− 4 57.9	2.445	3.376	7.5	19.1
5 1	12 9.51	− 3 41.6	2.512	3.370	10.4	19.3

174512 2003 BC_{78} 3 28.2 118°.87 1°.3/29.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 52.42	− 8 10.9	2.439	3.227	12.2	20.2
3 2	12 47.54	− 8 12.8	2.354	3.234	9.5	20.0
3 12	12 40.95	− 8 3.6	2.294	3.240	6.4	19.8
3 22	12 33.17	− 7 45.2	2.261	3.247	3.0	19.6
4 1	12 24.93	− 7 20.5	2.257	3.254	1.6	19.5
4 11	12 17.00	− 6 53.4	2.283	3.260	4.7	19.8
4 21	12 10.09	− 6 28.0	2.337	3.266	7.9	20.0
5 1	12 4.75	− 6 7.9	2.416	3.272	10.8	20.2

420824 2013 HZ_{114} 3 28.2 260°.36 0°.2/28.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 52.86	− 6 36.3	1.721	2.534	15.5	22.4
3 2	12 48.82	− 6 6.5	1.621	2.517	12.1	22.2
3 12	12 42.29	− 5 19.6	1.543	2.499	7.9	21.9
3 22	12 33.85	− 4 18.7	1.491	2.481	3.2	21.6
4 1	12 24.45	− 3 10.0	1.466	2.463	1.9	21.4
4 11	12 15.26	− 2 1.6	1.468	2.444	6.9	21.7
4 21	12 7.41	− 1 1.3	1.496	2.425	11.6	21.9
5 1	12 1.75	− 0 15.4	1.547	2.405	15.7	22.1

304641 2006 WY_1 3 28.2 212°.41 3°.1/ 1.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 48.77	−16 33.5	2.729	3.478	12.0	21.4
3 2	12 44.75	−16 22.9	2.627	3.474	9.8	21.2
3 12	12 39.18	−15 56.7	2.548	3.469	7.2	21.1
3 22	12 32.51	−15 15.7	2.495	3.464	4.6	20.9
4 1	12 25.35	−14 22.4	2.471	3.458	3.1	20.8
4 11	12 18.41	−13 21.2	2.477	3.453	4.5	20.9
4 21	12 12.32	−12 17.2	2.511	3.447	7.2	21.0
5 1	12 7.61	−11 15.5	2.572	3.441	9.8	21.2

386589 2009 FH_{39} 3 28.2 89°.54 5°.1/ 2.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 59.64	−18 50.8	2.400	3.124	14.1	21.6
3 2	12 53.09	−19 44.1	2.323	3.146	11.7	21.4
3 12	12 44.53	−20 21.2	2.268	3.168	9.0	21.3
3 22	12 34.58	−20 40.9	2.240	3.189	6.5	21.2
4 1	12 24.08	−20 43.5	2.240	3.210	5.2	21.1
4 11	12 13.98	−20 31.7	2.270	3.231	6.0	21.2
4 21	12 5.11	−20 10.1	2.329	3.251	8.3	21.4
5 1	11 58.11	−19 44.1	2.413	3.272	10.8	21.6

245483 2005 OA_9 3 28.2 221°.00 5°.0/ 5.3 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 49.17	−27 14.6	3.295	3.963	11.6	21.7
3 2	12 44.90	−27 5.9	3.177	3.952	10.0	21.5
3 12	12 39.21	−26 39.2	3.081	3.940	8.2	21.4
3 22	12 32.51	−25 53.8	3.009	3.928	6.4	21.3
4 1	12 25.36	−24 51.0	2.965	3.916	5.2	21.2
4 11	12 18.40	−23 34.0	2.951	3.903	5.3	21.1
4 21	12 12.19	−22 7.6	2.965	3.889	6.7	21.2
5 1	12 7.22	−20 37.4	3.008	3.875	8.6	21.3

349280 2007 TJ_{335} 3 28.2 114°.20 0°.4/27.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 50.90	− 3 49.6	2.457	3.262	11.6	22.1
3 2	12 46.30	− 3 21.9	2.382	3.275	8.8	22.0
3 12	12 40.11	− 2 45.0	2.332	3.288	5.6	21.8
3 22	12 32.84	− 2 2.2	2.309	3.300	2.1	21.6
4 1	12 25.19	− 1 18.0	2.316	3.313	1.6	21.5
4 11	12 17.90	− 0 36.9	2.353	3.324	5.1	21.8
4 21	12 11.62	− 0 3.0	2.418	3.336	8.2	22.0
5 1	12 6.84	+ 0 21.0	2.507	3.347	11.0	22.2

109559 2001 QH_{262} 3 28.2 245°.51 5°.1/ 1.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 53.24	−17 51.1	1.883	2.643	16.3	20.5
3 2	12 48.94	−18 14.5	1.788	2.637	13.5	20.2
3 12	12 42.28	−18 17.3	1.713	2.631	10.3	20.0
3 22	12 33.83	−17 58.6	1.662	2.625	7.0	19.8
4 1	12 24.52	−17 19.9	1.637	2.619	5.1	19.7
4 11	12 15.49	−16 26.2	1.639	2.613	6.6	19.8
4 21	12 7.76	−15 24.8	1.668	2.606	9.9	19.9
5 1	12 2.16	−14 23.6	1.720	2.600	13.4	20.1

243998 2001 SR_{11} 3 28.2 240°.87 1°.0/29.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 52.50	− 7 4.8	2.388	3.181	12.3	20.9
3 2	12 47.76	− 7 4.2	2.290	3.173	9.6	20.7
3 12	12 41.20	− 6 52.7	2.216	3.165	6.4	20.5
3 22	12 33.33	− 6 32.4	2.169	3.157	2.9	20.3
4 1	12 24.86	− 6 6.2	2.152	3.149	1.5	20.1
4 11	12 16.62	− 5 38.3	2.164	3.140	4.9	20.4
4 21	12 9.37	− 5 12.8	2.204	3.132	8.4	20.6
5 1	12 3.71	− 4 53.6	2.268	3.123	11.5	20.8

256424 2007 BU_{44} 3 28.2 342°.08 2°.9/30.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 50.54	−12 4.6	1.615	2.417	16.9	20.2
3 2	12 47.09	−12 5.0	1.530	2.413	13.4	19.9
3 12	12 41.16	−11 45.2	1.465	2.409	9.4	19.7
3 22	12 33.40	−11 6.4	1.424	2.406	5.2	19.4
4 1	12 24.81	−10 13.0	1.409	2.404	3.0	19.3
4 11	12 16.61	− 9 12.2	1.420	2.401	6.3	19.5
4 21	12 9.85	− 8 12.2	1.457	2.399	10.7	19.7
5 1	12 5.35	− 7 20.4	1.516	2.398	14.7	19.9

287354 2002 UT_{10} 3 28.2 228°.77 1°.0/27.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 54.08	− 2 30.7	2.091	2.903	13.2	22.0
3 2	12 49.23	− 1 57.2	1.993	2.891	10.1	21.8
3 12	12 42.28	− 1 12.8	1.920	2.878	6.4	21.5
3 22	12 33.79	− 0 21.3	1.874	2.865	2.4	21.2
4 1	12 24.58	+ 0 31.9	1.857	2.851	2.3	21.2
4 11	12 15.62	+ 1 20.4	1.869	2.837	6.4	21.4
4 21	12 7.79	+ 1 59.2	1.908	2.822	10.3	21.6
5 1	12 1.80	+ 2 24.4	1.970	2.806	13.7	21.8

319791 2006 UB_{337} 3 28.2 319°.26 2°.3/30.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 47.94	−11 13.8	1.416	2.234	18.0	20.6
3 2	12 45.54	−10 59.6	1.323	2.217	14.3	20.3
3 12	12 40.43	−10 21.5	1.250	2.201	9.9	20.0
3 22	12 33.20	− 9 21.3	1.199	2.185	5.0	19.7
4 1	12 24.91	− 8 4.5	1.173	2.170	2.6	19.5
4 11	12 16.90	− 6 40.7	1.173	2.155	7.1	19.7
4 21	12 10.42	− 5 20.5	1.196	2.142	12.2	20.0
5 1	12 6.42	− 4 13.4	1.241	2.128	16.9	20.2

168187 2006 HG_{114} 3 28.2 295°.57 2°.7/26.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 53.12	+ 0 22.4	1.458	2.299	16.3	20.2
3 2	12 49.55	+ 0 59.0	1.358	2.272	12.6	19.9
3 12	12 43.08	+ 1 48.8	1.280	2.244	8.1	19.6
3 22	12 34.29	+ 2 46.0	1.225	2.217	3.5	19.2
4 1	12 24.21	+ 3 42.4	1.197	2.189	4.3	19.2
4 11	12 14.27	+ 4 28.7	1.194	2.161	9.4	19.4
4 21	12 5.81	+ 4 57.7	1.215	2.134	14.5	19.6
5 1	11 59.93	+ 5 4.9	1.255	2.107	19.1	19.8

501934 2014 XT_3 3 28.2 256°.24 4°.6/ 1.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 59.14	−17 29.4	2.229	2.966	14.7	22.7
3 2	12 53.40	−17 48.0	2.099	2.936	12.3	22.5
3 12	12 45.23	−17 48.8	1.990	2.903	9.3	22.2
3 22	12 35.06	−17 30.3	1.907	2.870	6.3	22.0
4 1	12 23.72	−16 52.9	1.853	2.835	4.6	21.8
4 11	12 12.29	−16 0.2	1.828	2.799	6.3	21.8
4 21	12 1.86	−14 58.3	1.832	2.761	9.8	22.0
5 1	11 53.37	−13 54.8	1.862	2.722	13.4	22.1

381850 2009 WJ_{240} 3 28.2 137°.18 4°.5/ 2.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 52.46	−18 35.6	2.247	2.991	14.4	21.4
3 2	12 47.85	−18 46.6	2.159	2.998	11.9	21.2
3 12	12 41.30	−18 38.9	2.093	3.005	9.0	21.0
3 22	12 33.38	−18 12.4	2.052	3.012	6.1	20.8
4 1	12 24.88	−17 29.3	2.038	3.018	4.5	20.7
4 11	12 16.73	−16 34.3	2.053	3.024	5.6	20.8
4 21	12 9.71	−15 33.6	2.095	3.030	8.4	21.0
5 1	12 4.46	−14 33.6	2.162	3.036	11.2	21.2

264610 2001 UP_{178} 3 28.2 105°.62 3°.6/24.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 55.27	+ 5 23.4	2.144	2.969	12.4	21.3
3 2	12 49.66	+ 6 22.0	2.091	2.995	9.3	21.1
3 12	12 42.24	+ 7 24.0	2.063	3.021	6.0	20.9
3 22	12 33.66	+ 8 23.2	2.062	3.046	3.7	20.8
4 1	12 24.77	+ 9 13.5	2.092	3.070	4.6	20.9
4 11	12 16.45	+ 9 50.1	2.150	3.093	7.5	21.2
4 21	12 9.42	+10 10.5	2.235	3.116	10.5	21.4
5 1	12 4.18	+10 14.1	2.342	3.138	13.1	21.6

232827 2004 SX_{51} 3 28.2 148°.21 2°.9/24.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 52.91	+ 4 54.2	2.569	3.389	10.7	21.3
3 2	12 47.74	+ 5 43.1	2.498	3.401	8.1	21.1
3 12	12 40.99	+ 6 35.5	2.453	3.411	5.2	20.9
3 22	12 33.20	+ 7 26.8	2.437	3.421	3.1	20.8
4 1	12 25.03	+ 8 12.0	2.451	3.430	3.9	20.9
4 11	12 17.23	+ 8 46.8	2.494	3.439	6.5	21.1
4 21	12 10.43	+ 9 8.5	2.564	3.447	9.3	21.2
5 1	12 5.13	+ 9 15.8	2.659	3.454	11.7	21.4

6548 1988 BO_4 3 28.2 283°.92 4°.6/ 2.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 50.01	−18 52.1	2.255	3.002	14.3	17.3
3 2	12 46.10	−19 5.4	2.156	2.996	11.9	17.1
3 12	12 40.26	−19 0.0	2.078	2.989	9.1	16.9
3 22	12 33.01	−18 35.6	2.024	2.983	6.3	16.7
4 1	12 25.11	−17 53.8	1.997	2.977	4.7	16.6
4 11	12 17.43	−16 59.1	1.999	2.971	5.7	16.6
4 21	12 10.80	−15 57.6	2.027	2.964	8.5	16.8
5 1	12 5.89	−14 55.8	2.080	2.958	11.4	16.9

138622 2000 QU_{221} 3 28.2 265°.68 0°.8/27.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 52.01	− 1 50.1	2.352	3.163	11.9	20.2
3 2	12 47.41	− 1 36.0	2.254	3.151	9.1	20.0
3 12	12 41.00	− 1 13.8	2.181	3.139	5.8	19.7
3 22	12 33.28	− 0 46.7	2.136	3.127	2.2	19.5
4 1	12 24.95	− 0 18.6	2.120	3.115	1.9	19.4
4 11	12 16.86	+ 0 6.2	2.133	3.103	5.6	19.7
4 21	12 9.74	+ 0 23.8	2.173	3.091	9.1	19.8
5 1	12 4.22	+ 0 31.5	2.238	3.078	12.2	20.0

122176 2000 KK_{35} 3 28.2 203°.45 5°.9/21.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 54.55	+14 26.2	2.443	3.269	11.0	20.8
3 2	12 49.21	+15 35.1	2.367	3.264	8.7	20.6
3 12	12 42.07	+16 42.1	2.317	3.258	6.7	20.5
3 22	12 33.66	+17 40.8	2.295	3.251	5.9	20.4
4 1	12 24.74	+18 25.0	2.301	3.243	7.0	20.5
4 11	12 16.16	+18 50.4	2.336	3.235	9.2	20.6
4 21	12 8.64	+18 55.5	2.395	3.226	11.7	20.8
5 1	12 2.78	+18 40.6	2.476	3.216	13.9	20.9

465154 2007 CR_{57} 3 28.2 37°.14 9°.9/18.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 50.13	+16 19.3	1.368	2.231	15.9	20.2
3 2	12 46.81	+18 20.3	1.332	2.245	12.8	20.0
3 12	12 40.88	+20 14.3	1.318	2.260	10.4	19.9
3 22	12 33.22	+21 48.4	1.327	2.276	10.0	19.9
4 1	12 25.07	+22 52.1	1.361	2.293	11.7	20.1
4 11	12 17.71	+23 20.1	1.416	2.310	14.4	20.3
4 21	12 12.14	+23 13.0	1.492	2.328	17.2	20.5
5 1	12 8.99	+22 34.9	1.584	2.346	19.7	20.7

40729 1999 SJ_{12} 3 28.2 277°.19 13°.1/15.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 5.56	+29 56.2	1.707	2.514	15.9	17.9
3 2	12 58.84	+31 18.9	1.632	2.488	14.2	17.8
3 12	12 48.87	+32 25.8	1.579	2.462	13.2	17.6
3 22	12 36.46	+33 4.5	1.548	2.436	13.4	17.6
4 1	12 22.98	+33 5.0	1.541	2.409	14.8	17.6
4 11	12 10.08	+32 23.4	1.555	2.381	17.0	17.6
4 21	11 59.19	+31 2.0	1.590	2.354	19.4	17.7
5 1	11 51.26	+29 7.4	1.641	2.326	21.8	17.9

275706 2000 VU_{40} 3 28.2 197°.08 3°.0/31.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 51.58	−15 23.3	2.351	3.111	13.4	21.3
3 2	12 47.13	−15 11.0	2.253	3.108	10.9	21.1
3 12	12 40.83	−14 41.3	2.177	3.105	7.9	20.9
3 22	12 33.22	−13 55.2	2.128	3.101	4.8	20.7
4 1	12 25.01	−12 55.8	2.107	3.097	3.0	20.6
4 11	12 17.07	−11 48.4	2.115	3.092	5.0	20.7
4 21	12 10.17	−10 39.3	2.152	3.087	8.2	20.9
5 1	12 4.91	− 9 34.4	2.214	3.081	11.3	21.1

120128 2003 FP_{106} 3 28.2 277°.31 2°.3/25.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 50.09	+ 2 34.4	2.418	3.242	11.2	19.8
3 2	12 45.88	+ 3 7.5	2.327	3.232	8.4	19.6
3 12	12 39.98	+ 3 46.1	2.260	3.221	5.4	19.4
3 22	12 32.87	+ 4 26.2	2.222	3.210	2.6	19.1
4 1	12 25.23	+ 5 3.1	2.212	3.200	3.3	19.2
4 11	12 17.85	+ 5 32.1	2.231	3.189	6.3	19.3
4 21	12 11.40	+ 5 49.8	2.277	3.178	9.5	19.5
5 1	12 6.46	+ 5 54.3	2.347	3.168	12.3	19.7

11888 1990 UD_{3} 3 28.2 177°.61 1°.9/30.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 51.09	−12 51.6	2.780	3.542	11.5	19.9
3 2	12 46.41	−12 27.7	2.684	3.545	9.1	19.7
3 12	12 40.20	−11 49.9	2.612	3.547	6.4	19.5
3 22	12 32.93	−10 59.9	2.568	3.548	3.5	19.3
4 1	12 25.22	−10 1.1	2.554	3.548	1.9	19.2
4 11	12 17.77	− 8 58.0	2.571	3.548	4.2	19.4
4 21	12 11.19	− 7 55.7	2.617	3.547	7.1	19.6
5 1	12 5.99	− 6 58.8	2.689	3.545	9.9	19.7

300073 2006 UD_{207} 3 28.2 241°.62 1°.3/26.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 50.28	− 0 41.4	2.593	3.406	10.9	21.8
3 2	12 45.94	− 0 8.3	2.495	3.394	8.2	21.6
3 12	12 39.98	+ 0 32.4	2.422	3.382	5.2	21.4
3 22	12 32.87	+ 1 17.2	2.378	3.369	2.1	21.2
4 1	12 25.24	+ 2 1.6	2.363	3.356	2.3	21.2
4 11	12 17.82	+ 2 41.2	2.378	3.343	5.5	21.3
4 21	12 11.26	+ 3 12.0	2.421	3.329	8.7	21.5
5 1	12 6.12	+ 3 31.3	2.488	3.315	11.5	21.7

47909 2000 GC_{74} 3 28.2 105°.75 0°.7/29.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 49.88	− 8 10.2	2.234	3.031	12.9	18.1
3 2	12 45.76	− 7 41.5	2.154	3.040	10.0	17.9
3 12	12 39.90	− 6 59.3	2.098	3.049	6.5	17.7
3 22	12 32.83	− 6 6.7	2.069	3.057	2.8	17.5
4 1	12 25.30	− 5 8.3	2.068	3.066	1.4	17.4
4 11	12 18.13	− 4 10.1	2.097	3.074	5.0	17.7
4 21	12 12.03	− 3 17.2	2.153	3.082	8.5	17.9
5 1	12 7.56	− 2 34.2	2.234	3.090	11.6	18.1

425091 2009 SW_{37} 3 28.2 158°.93 0°.3/28.5 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 53.49	− 5 57.5	2.200	2.999	13.0	22.7
3 2	12 48.54	− 5 37.1	2.117	3.005	10.0	22.5
3 12	12 41.70	− 5 4.9	2.057	3.010	6.5	22.3
3 22	12 33.54	− 4 24.0	2.025	3.015	2.6	22.0
4 1	12 24.85	− 3 38.8	2.022	3.019	1.5	21.9
4 11	12 16.52	− 2 54.6	2.048	3.023	5.4	22.2
4 21	12 9.33	− 2 16.3	2.102	3.026	9.0	22.4
5 1	12 3.89	− 1 47.7	2.180	3.029	12.1	22.6

365106 2009 BK_{182} 3 28.2 325°.41 0°.1/28.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 52.11	− 4 31.0	1.317	2.154	18.0	20.8
3 2	12 48.83	− 4 23.3	1.234	2.144	13.9	20.5
3 12	12 42.59	− 3 59.5	1.172	2.133	9.1	20.2
3 22	12 34.08	− 3 23.0	1.132	2.124	3.6	19.8
4 1	12 24.47	− 2 40.5	1.117	2.114	2.3	19.7
4 11	12 15.26	− 2 0.2	1.127	2.106	8.0	20.0
4 21	12 7.78	− 1 29.8	1.160	2.098	13.3	20.3
5 1	12 3.03	− 1 15.0	1.213	2.091	17.9	20.6

468677 2009 FT_{49} 3 28.2 55°.65 0°.3/27.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 52.39	− 2 58.2	2.223	3.033	12.5	21.0
3 2	12 47.69	− 2 50.7	2.140	3.036	9.5	20.8
3 12	12 41.15	− 2 34.7	2.082	3.039	6.1	20.6
3 22	12 33.33	− 2 12.9	2.050	3.042	2.3	20.3
4 1	12 24.98	− 1 49.2	2.048	3.045	1.7	20.3
4 11	12 16.99	− 1 28.0	2.075	3.048	5.5	20.5
4 21	12 10.09	− 1 12.9	2.128	3.051	9.0	20.8
5 1	12 4.88	− 1 6.8	2.206	3.054	12.0	21.0

492196 2013 RJ_{39} 3 28.2 184°.03 0°.3/27.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 51.70	− 5 10.9	2.118	2.926	13.2	22.0
3 2	12 47.30	− 4 35.6	2.032	2.926	10.1	21.8
3 12	12 40.97	− 3 47.7	1.970	2.926	6.4	21.6
3 22	12 33.28	− 2 51.0	1.934	2.926	2.5	21.3
4 1	12 25.02	− 1 50.9	1.928	2.925	1.7	21.3
4 11	12 17.10	− 0 53.5	1.951	2.924	5.8	21.5
4 21	12 10.30	− 0 4.3	2.000	2.922	9.5	21.8
5 1	12 5.26	+ 0 32.4	2.074	2.920	12.8	22.0

214424 2005 QG_{16} 3 28.2 243°.66 0°.1/28.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 49.41	− 5 32.6	2.640	3.439	11.1	21.7
3 2	12 45.26	− 5 7.7	2.539	3.428	8.5	21.5
3 12	12 39.55	− 4 32.5	2.463	3.417	5.5	21.3
3 22	12 32.71	− 3 49.8	2.415	3.405	2.2	21.0
4 1	12 25.36	− 3 3.4	2.396	3.393	1.3	20.9
4 11	12 18.21	− 2 17.7	2.407	3.381	4.7	21.2
4 21	12 11.89	− 1 37.1	2.447	3.369	8.0	21.3
5 1	12 6.96	− 1 5.1	2.511	3.356	10.8	21.5

266227 2006 XR 3 28.2 355°.74 4°.5/24.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 51.79	+ 5 9.5	1.538	2.386	15.3	19.9
3 2	12 47.99	+ 6 6.6	1.468	2.384	11.6	19.6
3 12	12 41.70	+ 7 10.3	1.420	2.383	7.6	19.4
3 22	12 33.62	+ 8 12.8	1.397	2.382	4.7	19.2
4 1	12 24.83	+ 9 5.1	1.401	2.382	5.9	19.3
4 11	12 16.56	+ 9 39.9	1.430	2.382	9.7	19.5
4 21	12 9.84	+ 9 53.3	1.483	2.382	13.7	19.7
5 1	12 5.43	+ 9 44.1	1.555	2.383	17.2	20.0

61428 2000 QA_{17} 3 28.2 245°.79 0°.5/27.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 52.68	− 5 28.1	1.672	2.491	15.6	20.5
3 2	12 48.69	− 4 45.0	1.580	2.480	12.0	20.2
3 12	12 42.22	− 3 44.5	1.509	2.467	7.8	19.9
3 22	12 33.88	− 2 31.1	1.463	2.455	3.0	19.6
4 1	12 24.64	− 1 12.0	1.446	2.442	2.2	19.5
4 11	12 15.70	+ 0 3.8	1.455	2.429	7.2	19.8
4 21	12 8.14	+ 1 8.2	1.490	2.415	11.9	20.0
5 1	12 2.82	+ 1 55.3	1.548	2.401	16.0	20.2

327270 2005 SV_{202} 3 28.2 160°.66 0°.3/27.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 51.73	− 5 14.1	1.808	2.624	14.7	21.7
3 2	12 47.63	− 4 42.1	1.727	2.625	11.3	21.5
3 12	12 41.33	− 3 55.9	1.668	2.626	7.2	21.2
3 22	12 33.46	− 2 59.4	1.636	2.627	2.8	21.0
4 1	12 24.94	− 1 59.0	1.631	2.628	1.9	20.9
4 11	12 16.82	− 1 1.7	1.654	2.628	6.4	21.2
4 21	12 10.03	− 0 13.8	1.702	2.629	10.6	21.4
5 1	12 5.25	+ 0 20.0	1.774	2.629	14.2	21.6

21231 1995 SC_{17} 3 28.2 289°.64 0°.7/27.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 50.13	− 4 35.1	1.845	2.665	14.3	18.6
3 2	12 46.64	− 3 53.9	1.738	2.639	11.0	18.3
3 12	12 40.88	− 2 57.0	1.653	2.613	7.1	18.0
3 22	12 33.37	− 1 48.3	1.595	2.587	2.7	17.7
4 1	12 24.94	− 0 34.3	1.564	2.560	2.3	17.6
4 11	12 16.65	+ 0 37.1	1.561	2.534	7.0	17.8
4 21	12 9.50	+ 1 38.4	1.584	2.507	11.4	18.0
5 1	12 4.33	+ 2 23.8	1.629	2.480	15.4	18.2

374123 2004 TP_{65} 3 28.2 134°.19 4°.6/22.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 53.39	+ 9 44.9	2.367	3.195	11.3	21.3
3 2	12 48.23	+10 46.2	2.305	3.209	8.6	21.1
3 12	12 41.36	+11 47.8	2.269	3.222	6.0	21.0
3 22	12 33.38	+12 44.0	2.261	3.234	4.6	20.9
4 1	12 25.03	+13 28.8	2.283	3.246	5.6	21.0
4 11	12 17.12	+13 58.3	2.332	3.257	8.0	21.2
4 21	12 10.32	+14 10.4	2.408	3.268	10.6	21.4
5 1	12 5.16	+14 5.0	2.506	3.278	13.0	21.5

312835 2011 UP_{8} 3 28.2 146°.74 2°.2/26.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 56.84	+ 0 31.0	1.834	2.655	14.3	20.7
3 2	12 51.36	+ 1 10.6	1.762	2.665	10.8	20.5
3 12	12 43.62	+ 1 59.0	1.714	2.674	6.8	20.3
3 22	12 34.32	+ 2 50.7	1.692	2.683	2.9	20.1
4 1	12 24.44	+ 3 39.2	1.700	2.691	3.4	20.1
4 11	12 15.10	+ 4 18.1	1.735	2.698	7.4	20.4
4 21	12 7.21	+ 4 43.2	1.797	2.704	11.2	20.6
5 1	12 1.44	+ 4 52.0	1.882	2.710	14.6	20.9

420192 2011 GW_{60} 3 28.2 23°.48 10°.1/22.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 58.24	+18 28.8	1.153	2.012	18.5	19.7
3 2	12 53.20	+19 4.6	1.118	2.029	14.9	19.5
3 12	12 44.99	+19 27.5	1.103	2.049	11.6	19.4
3 22	12 34.80	+19 27.7	1.110	2.070	10.1	19.4
4 1	12 24.25	+18 58.6	1.139	2.093	11.2	19.5
4 11	12 14.94	+17 59.3	1.192	2.116	14.0	19.7
4 21	12 8.00	+16 33.9	1.265	2.142	17.2	20.0
5 1	12 4.03	+14 48.7	1.356	2.168	20.0	20.2

83842 2001 UZ_{35} 3 28.2 95°.78 8°.1/18.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 53.82	+23 10.3	2.364	3.186	11.5	19.4
3 2	12 48.61	+24 19.4	2.319	3.198	9.6	19.3
3 12	12 41.61	+25 18.9	2.298	3.209	8.4	19.2
3 22	12 33.47	+26 2.2	2.304	3.221	8.2	19.2
4 1	12 25.00	+26 24.0	2.335	3.232	9.2	19.3
4 11	12 17.05	+26 22.2	2.392	3.243	10.9	19.4
4 21	12 10.33	+25 57.2	2.471	3.254	12.8	19.6
5 1	12 5.36	+25 11.4	2.570	3.265	14.5	19.7

2562 Chaliapin 3 28.2 331°.81 2°.8/30.7 18

2 21	12 52.69	−11 36.3	2.125	2.907	14.0	16.3
3 2	12 48.16	−11 54.8	2.033	2.904	11.2	16.0
3 12	12 41.60	−11 59.2	1.964	2.902	7.9	15.8
3 22	12 33.57	−11 50.1	1.921	2.900	4.5	15.6
4 1	12 24.88	−11 29.8	1.905	2.898	2.8	15.5
4 11	12 16.47	−11 2.5	1.918	2.896	5.3	15.7
4 21	12 9.19	−10 33.1	1.958	2.894	8.8	15.9
5 1	12 3.72	−10 6.6	2.022	2.892	12.1	16.1

160426 2005 QL_{114} 3 28.2 293°.02 1°.1/26.9 17

2 21	12 48.63	− 2 3.5	2.267	3.086	12.0	20.3
3 2	12 44.93	− 1 27.4	2.173	3.075	9.1	20.0
3 12	12 39.46	− 0 41.4	2.103	3.063	5.8	19.8
3 22	12 32.72	+ 0 10.5	2.060	3.052	2.2	19.5
4 1	12 25.41	+ 1 3.2	2.046	3.040	2.3	19.5
4 11	12 18.33	+ 1 51.2	2.060	3.029	5.9	19.7
4 21	12 12.23	+ 2 29.7	2.102	3.017	9.4	19.9
5 1	12 7.69	+ 2 55.4	2.167	3.006	12.5	20.1

506269 2016 QS_{75} 3 28.2 257°.67 6°.2/ 5.0 17

2 21	12 49.49	−25 47.6	2.596	3.291	13.8	20.7
3 2	12 45.56	−26 8.6	2.493	3.286	11.9	20.5
3 12	12 39.87	−26 9.9	2.410	3.281	9.8	20.3
3 22	12 32.89	−25 50.2	2.351	3.275	7.7	20.2
4 1	12 25.31	−25 10.1	2.317	3.270	6.3	20.1
4 11	12 17.94	−24 12.9	2.311	3.264	6.5	20.1
4 21	12 11.51	−23 4.0	2.332	3.259	8.1	20.2
5 1	12 6.65	−21 49.9	2.379	3.253	10.3	20.3

304086 2006 HZ_{1} 3 28.2 308°.12 5°.0/24.4 16

2 21	12 54.11	+ 5 53.7	1.388	2.239	16.4	20.1
3 2	12 50.15	+ 6 43.7	1.312	2.230	12.6	19.9
3 12	12 43.32	+ 7 40.2	1.257	2.221	8.4	19.6
3 22	12 34.34	+ 8 35.0	1.227	2.212	5.2	19.4
4 1	12 24.41	+ 9 18.4	1.222	2.204	6.5	19.4
4 11	12 14.97	+ 9 42.5	1.242	2.196	10.7	19.7
4 21	12 7.28	+ 9 43.2	1.285	2.188	15.1	19.9
5 1	12 2.22	+ 9 19.9	1.346	2.181	19.0	20.1

328475 2009 HJ_{2} 3 28.2 309°.29 9°.1/17.5 17

2 21	12 52.88	+23 20.4	2.120	2.949	12.4	19.9
3 2	12 48.34	+24 33.8	2.052	2.935	10.5	19.8
3 12	12 41.70	+25 38.1	2.009	2.922	9.3	19.7
3 22	12 33.59	+26 25.4	1.990	2.908	9.2	19.6
4 1	12 24.90	+26 48.9	1.997	2.895	10.4	19.7
4 11	12 16.63	+26 45.1	2.027	2.883	12.4	19.8
4 21	12 9.63	+26 14.1	2.080	2.870	14.6	19.9
5 1	12 4.55	+25 18.3	2.150	2.858	16.6	20.0

307345 2002 RW_{144} 3 28.2 213°.84 0°.7/27.5 17

2 21	12 54.41	− 3 21.4	2.122	2.929	13.1	22.2
3 2	12 49.44	− 2 50.8	2.027	2.922	10.0	22.0
3 12	12 42.41	− 2 9.0	1.956	2.913	6.4	21.8
3 22	12 33.89	− 1 19.7	1.913	2.905	2.4	21.5
4 1	12 24.69	− 0 28.1	1.899	2.895	2.1	21.4
4 11	12 15.77	+ 0 19.9	1.915	2.885	6.1	21.7
4 21	12 7.99	+ 0 59.0	1.957	2.874	10.0	21.9
5 1	12 2.03	+ 1 25.5	2.024	2.862	13.3	22.1

42024 2000 YX_{82} 3 28.2 184°.88 0°.7/28.9 18 R

2 21	12 51.20	− 7 55.8	2.122	2.921	13.4	20.1
3 2	12 46.95	− 7 29.7	2.034	2.921	10.4	19.9
3 12	12 40.77	− 6 49.3	1.970	2.921	6.9	19.7
3 22	12 33.24	− 5 57.6	1.932	2.921	3.0	19.5
4 1	12 25.12	− 4 59.5	1.922	2.920	1.5	19.3
4 11	12 17.33	− 4 1.0	1.942	2.919	5.4	19.6
4 21	12 10.66	− 3 8.0	1.989	2.918	9.1	19.8
5 1	12 5.73	− 2 25.2	2.060	2.916	12.4	20.0

401040 2011 SA_{240} 3 28.2 253°.68 0°.1/28.2 18

2 21	12 52.30	− 6 38.9	1.442	2.267	17.3	21.4
3 2	12 48.65	− 6 2.6	1.363	2.266	13.4	21.1
3 12	12 42.29	− 5 6.6	1.305	2.264	8.7	20.8
3 22	12 33.93	− 3 55.7	1.271	2.262	3.4	20.5
4 1	12 24.70	− 2 37.8	1.263	2.260	2.1	20.4
4 11	12 15.95	− 1 22.7	1.281	2.258	7.5	20.7
4 21	12 8.83	− 0 19.5	1.324	2.256	12.4	21.0
5 1	12 4.21	+ 0 25.8	1.388	2.254	16.7	21.3

85284 1994 PT_{21} 3 28.2 236°.69 0°.7/27.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 54.99	− 4 6.1	1.706	2.523	15.4	20.4
3 2	12 50.44	− 3 33.3	1.612	2.511	11.9	20.2
3 12	12 43.35	− 2 45.6	1.540	2.499	7.6	19.9
3 22	12 34.35	− 1 47.3	1.494	2.486	2.9	19.5
4 1	12 24.42	− 0 44.9	1.476	2.472	2.3	19.5
4 11	12 14.78	+ 0 13.7	1.486	2.458	7.3	19.7
4 21	12 6.53	+ 1 1.4	1.521	2.443	11.9	20.0
5 1	12 0.54	+ 1 33.1	1.579	2.428	15.9	20.2

258091 2001 QF_{114} 3 28.2 171°.08 4°.8/ 2.1 17

2 21	12 55.62	−18 58.4	2.290	3.024	14.5	21.7
3 2	12 50.31	−19 20.6	2.196	3.028	12.0	21.5
3 12	12 42.95	−19 24.8	2.124	3.031	9.2	21.4
3 22	12 34.11	−19 10.2	2.077	3.033	6.4	21.2
4 1	12 24.60	−18 38.2	2.058	3.035	4.8	21.1
4 11	12 15.39	−17 52.8	2.068	3.037	5.9	21.2
4 21	12 7.33	−16 59.9	2.106	3.037	8.6	21.3
5 1	12 1.10	−16 5.9	2.169	3.038	11.4	21.5

93410 2000 SJ_{297} 3 28.2 43°.08 3°.3/30.9 18

2 21	12 53.82	−12 27.6	1.827	2.612	15.8	19.5
3 2	12 49.32	−12 45.7	1.742	2.614	12.7	19.2
3 12	12 42.49	−12 46.6	1.678	2.615	9.0	19.0
3 22	12 33.97	−12 31.1	1.639	2.617	5.2	18.8
4 1	12 24.69	−12 1.7	1.627	2.619	3.3	18.7
4 11	12 15.78	−11 23.7	1.642	2.621	6.0	18.8
4 21	12 8.24	−10 43.5	1.684	2.622	9.8	19.1
5 1	12 2.81	−10 7.4	1.749	2.624	13.4	19.3

459542 2013 GP_{22} 3 28.2 269°.27 1°.3/27.2 17

2 21	12 55.49	− 1 47.3	1.620	2.445	15.7	21.8
3 2	12 51.01	− 1 27.3	1.524	2.428	12.1	21.6
3 12	12 43.84	− 0 55.2	1.450	2.411	7.8	21.3
3 22	12 34.58	− 0 15.2	1.401	2.393	3.0	20.9
4 1	12 24.27	+ 0 26.6	1.379	2.375	2.8	20.9
4 11	12 14.20	+ 1 2.8	1.385	2.356	7.8	21.1
4 21	12 5.58	+ 1 27.3	1.415	2.338	12.6	21.3
5 1	11 59.34	+ 1 36.1	1.467	2.319	16.8	21.6

78771 2002 VU_{37} 3 28.2 145°.72 4°.6/23.0 18

2 21	12 51.93	+ 9 40.7	2.307	3.139	11.4	19.7
3 2	12 47.25	+10 34.6	2.237	3.143	8.7	19.5
3 12	12 40.83	+11 29.2	2.193	3.147	6.1	19.4
3 22	12 33.22	+12 18.6	2.177	3.151	4.6	19.3
4 1	12 25.19	+12 57.3	2.189	3.155	5.6	19.3
4 11	12 17.54	+13 20.9	2.229	3.158	8.1	19.5
4 21	12 10.98	+13 27.4	2.295	3.161	10.8	19.7
5 1	12 6.05	+13 16.5	2.382	3.165	13.3	19.9

502849 2015 DV_{172} 3 28.2 157°.86 2°.4/30.9 17

2 21	12 48.73	−14 21.6	1.912	2.696	15.3	20.8
3 2	12 45.32	−13 41.6	1.824	2.696	12.2	20.6
3 12	12 39.85	−12 39.5	1.757	2.696	8.5	20.4
3 22	12 32.92	−11 17.8	1.715	2.696	4.6	20.1
4 1	12 25.36	− 9 42.2	1.702	2.697	2.5	20.0
4 11	12 18.17	− 8 1.1	1.716	2.697	5.5	20.2
4 21	12 12.20	− 6 23.4	1.758	2.697	9.4	20.4
5 1	12 8.11	− 4 56.7	1.824	2.697	13.0	20.6

243453 2009 HX_{85} 3 28.2 273°.65 0°.4/29.1 18

2 21	12 42.20	− 8 0.7	4.418	5.201	7.2	20.2
3 2	12 39.25	− 7 26.4	4.314	5.193	5.6	20.1
3 12	12 35.46	− 6 44.8	4.236	5.184	3.6	20.0
3 22	12 31.10	− 5 57.7	4.187	5.175	1.6	19.8
4 1	12 26.50	− 5 7.4	4.169	5.166	0.8	19.7
4 11	12 22.02	− 4 16.7	4.181	5.157	2.8	19.9
4 21	12 17.99	− 3 28.2	4.224	5.148	4.8	20.0
5 1	12 14.70	− 2 44.5	4.293	5.139	6.7	20.1

229196 2004 TN_{303} 3 28.2 141°.69 1°.2/29.5 17

2 21	12 52.27	− 9 3.2	2.128	2.921	13.6	21.3
3 2	12 47.72	− 8 46.0	2.045	2.927	10.6	21.1
3 12	12 41.25	− 8 14.4	1.985	2.933	7.1	20.8
3 22	12 33.43	− 7 31.1	1.952	2.939	3.3	20.6
4 1	12 25.08	− 6 40.3	1.947	2.944	1.6	20.5
4 11	12 17.09	− 5 47.7	1.972	2.950	5.2	20.8
4 21	12 10.26	− 4 59.0	2.023	2.954	8.9	21.0
5 1	12 5.20	− 4 18.9	2.100	2.959	12.1	21.2

290373 2005 SD_{279} 3 28.2 68°.63 2°.8/25.8 18

2 21	12 53.92	+ 2 7.3	1.683	2.517	14.8	21.3
3 2	12 49.26	+ 2 46.1	1.621	2.531	11.1	21.1
3 12	12 42.32	+ 3 32.4	1.582	2.545	7.0	20.8
3 22	12 33.85	+ 4 19.9	1.569	2.559	3.3	20.6
4 1	12 24.86	+ 5 1.9	1.584	2.573	4.1	20.7
4 11	12 16.48	+ 5 32.1	1.625	2.587	7.9	21.0
4 21	12 9.61	+ 5 46.9	1.692	2.601	11.7	21.2
5 1	12 4.89	+ 5 44.6	1.780	2.615	15.0	21.5

252964 2002 PU_{137} 3 28.2 207°.95 0°.2/27.9 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 55.01	− 4 33.7	2.189	2.990	13.0	22.1
3 2	12 49.85	− 4 9.4	2.094	2.984	10.0	21.9
3 12	12 42.67	− 3 33.7	2.022	2.977	6.4	21.7
3 22	12 34.03	− 2 49.7	1.978	2.969	2.5	21.4
4 1	12 24.72	− 2 2.3	1.964	2.961	1.7	21.3
4 11	12 15.69	− 1 16.9	1.979	2.951	5.8	21.6
4 21	12 7.77	− 0 38.5	2.022	2.941	9.5	21.8
5 1	12 1.64	− 0 11.2	2.089	2.930	12.9	22.0

489461 2007 CY_{64} 3 28.2 22°.76 0°.8/28.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 49.86	− 7 35.3	1.448	2.274	17.2	21.3
3 2	12 46.67	− 7 15.1	1.378	2.280	13.3	21.1
3 12	12 40.94	− 6 36.1	1.329	2.286	8.8	20.8
3 22	12 33.39	− 5 42.5	1.303	2.293	3.7	20.5
4 1	12 25.14	− 4 41.0	1.303	2.301	1.8	20.4
4 11	12 17.43	− 3 40.4	1.329	2.309	6.8	20.7
4 21	12 11.32	− 2 48.3	1.380	2.318	11.5	21.0
5 1	12 7.57	− 2 10.9	1.451	2.328	15.5	21.3

160955 2002 AN_{126} 3 28.2 226°.60 3°.4/31.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 54.65	−13 53.0	1.769	2.549	16.4	20.6
3 2	12 50.18	−13 53.8	1.672	2.541	13.3	20.3
3 12	12 43.20	−13 34.0	1.597	2.532	9.5	20.1
3 22	12 34.33	−12 54.3	1.545	2.523	5.6	19.8
4 1	12 24.52	−11 58.0	1.521	2.514	3.4	19.6
4 11	12 15.00	−10 51.6	1.524	2.503	6.3	19.8
4 21	12 6.85	− 9 43.4	1.554	2.493	10.5	20.0
5 1	12 0.93	− 8 41.4	1.607	2.481	14.4	20.2

466841 2015 BL_{247} 3 28.2 141°.77 0°.8/27.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 51.67	− 3 49.0	2.129	2.940	13.0	21.8
3 2	12 47.22	− 3 7.9	2.050	2.947	9.8	21.6
3 12	12 40.90	− 2 15.4	1.996	2.954	6.2	21.4
3 22	12 33.30	− 1 15.9	1.970	2.961	2.3	21.2
4 1	12 25.21	− 0 14.8	1.972	2.967	2.0	21.2
4 11	12 17.50	+ 0 41.5	2.003	2.973	5.9	21.4
4 21	12 10.93	+ 1 28.0	2.061	2.979	9.5	21.7
5 1	12 6.09	+ 2 1.1	2.144	2.984	12.6	21.9

381519 2008 SL_{196} 3 28.2 225°.42 1°.6/26.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 52.21	− 0 16.9	2.133	2.953	12.6	21.4
3 2	12 47.72	+ 0 13.9	2.046	2.949	9.6	21.2
3 12	12 41.29	+ 0 53.2	1.984	2.944	6.0	21.0
3 22	12 33.48	+ 1 36.5	1.948	2.939	2.5	20.8
4 1	12 25.08	+ 2 18.8	1.942	2.935	2.7	20.8
4 11	12 17.00	+ 2 54.6	1.964	2.929	6.4	21.0
4 21	12 10.04	+ 3 19.7	2.013	2.924	10.0	21.2
5 1	12 4.82	+ 3 31.4	2.085	2.919	13.2	21.4

289650 2005 GX_{109} 3 28.2 268°.70 0°.4/27.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 53.09	− 4 27.9	1.690	2.510	15.4	21.7
3 2	12 49.01	− 4 4.1	1.597	2.498	11.9	21.4
3 12	12 42.45	− 3 25.9	1.527	2.485	7.7	21.1
3 22	12 34.04	− 2 36.9	1.481	2.473	3.0	20.8
4 1	12 24.72	− 1 43.3	1.463	2.460	2.1	20.7
4 11	12 15.69	− 0 52.4	1.473	2.448	7.0	21.0
4 21	12 8.04	− 0 11.0	1.507	2.435	11.6	21.2
5 1	12 2.60	+ 0 15.9	1.564	2.422	15.6	21.4

500580 2012 UG_{87} 3 28.2 144°.59 2°.5/25.0 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 50.49	+ 3 39.3	2.617	3.439	10.5	21.9
3 2	12 45.97	+ 4 24.0	2.543	3.446	7.9	21.8
3 12	12 39.94	+ 5 13.1	2.494	3.453	5.0	21.6
3 22	12 32.91	+ 6 2.3	2.473	3.460	2.7	21.5
4 1	12 25.49	+ 6 46.6	2.483	3.466	3.4	21.5
4 11	12 18.39	+ 7 22.0	2.521	3.472	6.1	21.7
4 21	12 12.22	+ 7 45.5	2.587	3.478	8.9	21.9
5 1	12 7.46	+ 7 55.6	2.677	3.483	11.4	22.0

215882 2005 EO_{253} 3 28.2 0°.62 2°.0/26.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 50.29	− 1 35.4	1.267	2.117	17.8	20.5
3 2	12 47.37	− 0 59.4	1.197	2.115	13.5	20.2
3 12	12 41.60	− 0 8.4	1.148	2.114	8.5	19.9
3 22	12 33.72	+ 0 51.1	1.121	2.114	3.4	19.6
4 1	12 24.97	+ 1 50.0	1.120	2.114	3.6	19.6
4 11	12 16.78	+ 2 38.8	1.143	2.116	8.8	19.9
4 21	12 10.38	+ 3 10.3	1.188	2.118	13.8	20.2
5 1	12 6.63	+ 3 20.9	1.253	2.121	18.1	20.5

368968 2007 CO 3 28.2 95°.12 5°.8/ 3.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 52.87	−21 9.7	1.852	2.596	17.1	20.8
3 2	12 48.60	−21 24.7	1.772	2.607	14.3	20.6
3 12	12 42.03	−21 15.5	1.712	2.618	11.1	20.4
3 22	12 33.81	−20 41.5	1.675	2.629	7.9	20.3
4 1	12 24.92	−19 45.1	1.664	2.639	5.9	20.2
4 11	12 16.49	−18 32.4	1.680	2.650	6.8	20.3
4 21	12 9.49	−17 11.6	1.722	2.660	9.6	20.4
5 1	12 4.61	−15 51.8	1.788	2.671	12.8	20.6

354840 2005 YK_{48} 3 28.2 97°.28 1°.3/29.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 54.98	− 8 34.8	1.455	2.269	17.8	21.3
3 2	12 50.58	− 8 19.7	1.384	2.278	13.8	21.1
3 12	12 43.45	− 7 45.4	1.334	2.287	9.2	20.8
3 22	12 34.39	− 6 55.1	1.308	2.297	4.1	20.6
4 1	12 24.58	− 5 55.2	1.308	2.306	2.0	20.4
4 11	12 15.37	− 4 54.3	1.335	2.315	6.9	20.8
4 21	12 7.90	− 4 0.7	1.387	2.323	11.6	21.1
5 1	12 2.95	− 3 20.5	1.460	2.332	15.7	21.3

426310 2012 TX_{186} 3 28.2 134°.99 3°.1/24.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 51.75	+ 6 1.0	2.556	3.380	10.7	21.3
3 2	12 46.94	+ 6 39.3	2.484	3.388	8.0	21.1
3 12	12 40.57	+ 7 20.1	2.437	3.395	5.3	20.9
3 22	12 33.15	+ 7 59.0	2.419	3.402	3.2	20.8
4 1	12 25.35	+ 8 31.5	2.430	3.409	4.0	20.9
4 11	12 17.90	+ 8 53.6	2.470	3.415	6.6	21.0
4 21	12 11.42	+ 9 3.1	2.537	3.421	9.3	21.2
5 1	12 6.42	+ 8 59.0	2.627	3.427	11.7	21.4

295741 2008 UJ_{94} 3 28.2 168°.80 4°.0/24.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 56.01	+ 4 23.6	1.841	2.671	13.9	21.6
3 2	12 50.81	+ 5 32.4	1.769	2.676	10.5	21.3
3 12	12 43.34	+ 6 48.0	1.721	2.680	6.9	21.1
3 22	12 34.30	+ 8 3.1	1.700	2.684	4.1	21.0
4 1	12 24.64	+ 9 9.5	1.707	2.687	5.3	21.0
4 11	12 15.47	+10 0.2	1.743	2.689	8.8	21.2
4 21	12 7.72	+10 31.2	1.803	2.690	12.4	21.5
5 1	12 2.06	+10 41.0	1.886	2.690	15.5	21.7

219683 2001 WM_{32} 3 28.2 212°.37 2°.8/25.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 53.37	+ 3 5.5	2.288	3.110	11.8	21.2
3 2	12 48.49	+ 3 55.5	2.199	3.102	9.0	21.0
3 12	12 41.75	+ 4 51.9	2.135	3.094	5.7	20.8
3 22	12 33.67	+ 5 49.7	2.098	3.086	3.1	20.6
4 1	12 25.01	+ 6 43.0	2.092	3.076	3.9	20.6
4 11	12 16.62	+ 7 26.2	2.114	3.066	7.1	20.8
4 21	12 9.29	+ 7 55.5	2.164	3.056	10.3	21.0
5 1	12 3.63	+ 8 8.8	2.236	3.044	13.2	21.1

410207 2007 RS_{217} 3 28.2 7°.00 2°.8/29.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 56.05	− 7 23.4	1.191	2.021	20.0	20.7
3 2	12 52.10	− 8 9.9	1.120	2.021	15.8	20.4
3 12	12 44.83	− 8 40.5	1.067	2.022	10.8	20.1
3 22	12 35.05	− 8 55.3	1.037	2.024	5.4	19.9
4 1	12 24.15	− 8 57.0	1.031	2.027	3.1	19.7
4 11	12 13.85	− 8 51.1	1.049	2.031	7.8	20.0
4 21	12 5.61	− 8 44.3	1.090	2.036	13.1	20.3
5 1	12 0.45	− 8 43.1	1.151	2.042	17.7	20.6

246177 2007 RN_{33} 3 28.2 247°.21 2°.5/25.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 54.41	+ 0 14.2	1.728	2.556	14.8	21.2
3 2	12 49.98	+ 1 3.2	1.634	2.541	11.3	20.9
3 12	12 43.08	+ 2 4.1	1.564	2.526	7.2	20.6
3 22	12 34.29	+ 3 10.9	1.520	2.511	3.2	20.3
4 1	12 24.60	+ 4 16.0	1.504	2.495	3.9	20.3
4 11	12 15.18	+ 5 11.1	1.516	2.478	8.3	20.5
4 21	12 7.12	+ 5 50.3	1.552	2.461	12.6	20.8
5 1	12 1.27	+ 6 9.7	1.610	2.443	16.4	21.0

112120 2002 JS_{46} 3 28.2 8°.97 4°.7/ 1.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 48.52	−17 3.0	1.597	2.381	17.8	18.7
3 2	12 45.62	−17 9.5	1.516	2.382	14.6	18.5
3 12	12 40.29	−16 51.3	1.455	2.384	10.8	18.3
3 22	12 33.18	−16 8.9	1.416	2.387	7.0	18.1
4 1	12 25.31	−15 5.9	1.402	2.390	4.7	17.9
4 11	12 17.85	−13 49.7	1.414	2.394	6.6	18.0
4 21	12 11.86	−12 29.7	1.451	2.398	10.4	18.3
5 1	12 8.11	−11 15.1	1.511	2.403	14.1	18.5

437193 2012 VX_{106} 3 28.2 30°.78 1°.8/30.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 48.93	−10 55.5	2.098	2.890	13.8	20.9
3 2	12 45.26	−10 40.9	2.015	2.894	10.9	20.7
3 12	12 39.73	−10 10.5	1.954	2.899	7.4	20.5
3 22	12 32.88	− 9 26.6	1.919	2.903	3.8	20.3
4 1	12 25.51	− 8 33.3	1.912	2.908	2.0	20.2
4 11	12 18.48	− 7 36.4	1.934	2.913	5.1	20.4
4 21	12 12.56	− 6 42.0	1.982	2.919	8.7	20.6
5 1	12 8.34	− 5 55.2	2.054	2.924	11.9	20.8

122483 2000 QK_{170} 3 28.2 200°.18 1°.7/29.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 52.55	− 9 53.7	1.993	2.785	14.4	20.1
3 2	12 48.17	− 9 44.3	1.903	2.784	11.3	19.9
3 12	12 41.68	− 9 19.3	1.836	2.782	7.7	19.7
3 22	12 33.68	− 8 40.8	1.795	2.781	3.8	19.4
4 1	12 25.01	− 7 52.7	1.782	2.779	1.9	19.3
4 11	12 16.66	− 7 0.9	1.798	2.776	5.5	19.5
4 21	12 9.53	− 6 11.7	1.840	2.774	9.4	19.8
5 1	12 4.29	− 5 30.5	1.906	2.771	12.9	20.0

121370 1999 TK_{72} 3 28.2 245°.47 2°.3/25.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 51.68	+ 1 15.2	2.031	2.858	12.9	20.2
3 2	12 47.41	+ 1 55.4	1.947	2.853	9.8	20.0
3 12	12 41.14	+ 2 43.6	1.887	2.848	6.2	19.7
3 22	12 33.45	+ 3 34.8	1.853	2.843	2.8	19.5
4 1	12 25.16	+ 4 23.0	1.849	2.838	3.5	19.5
4 11	12 17.20	+ 5 2.3	1.872	2.833	7.1	19.7
4 21	12 10.39	+ 5 28.4	1.921	2.828	10.7	19.9
5 1	12 5.40	+ 5 38.8	1.994	2.823	13.9	20.1

455678 2005 EY_{16} 3 28.2 348°.66 3°.7/24.7 17

2 21	12 42.49	− 2 22.8	1.140	2.006	18.2	20.4
3 2	12 41.69	− 0 35.4	1.069	1.997	13.7	20.1
3 12	12 38.09	+ 1 36.8	1.018	1.989	8.5	19.8
3 22	12 32.40	+ 4 2.1	0.991	1.983	4.1	19.5
4 1	12 25.79	+ 6 24.4	0.989	1.978	5.9	19.6
4 11	12 19.68	+ 8 27.2	1.010	1.974	11.1	19.9
4 21	12 15.29	+ 9 58.8	1.052	1.971	16.2	20.2
5 1	12 13.49	+10 53.9	1.112	1.970	20.5	20.4

463142 2011 YM_{23} 3 28.2 116°.96 0°.1/28.1 18

2 21	12 55.49	− 5 24.0	1.758	2.569	15.3	22.4
3 2	12 50.44	− 4 55.8	1.688	2.583	11.7	22.2
3 12	12 43.11	− 4 13.5	1.641	2.597	7.5	22.0
3 22	12 34.21	− 3 21.5	1.620	2.611	2.9	21.7
4 1	12 24.75	− 2 25.9	1.627	2.624	1.8	21.7
4 11	12 15.85	− 1 33.6	1.662	2.637	6.4	22.0
4 21	12 8.43	− 0 50.6	1.724	2.649	10.5	22.3
5 1	12 3.16	− 0 21.2	1.808	2.661	14.1	22.5

465134 2006 YQ_{17} 3 28.2 79°.16 6°.5/ 3.3 18

2 21	12 56.46	−21 31.0	1.811	2.548	17.6	20.7
3 2	12 51.32	−22 9.3	1.742	2.570	14.8	20.6
3 12	12 43.75	−22 24.0	1.692	2.592	11.6	20.4
3 22	12 34.48	−22 13.6	1.665	2.613	8.5	20.3
4 1	12 24.58	−21 39.6	1.665	2.634	6.6	20.2
4 11	12 15.24	−20 47.5	1.691	2.655	7.3	20.3
4 21	12 7.48	−19 45.0	1.743	2.676	9.9	20.5
5 1	12 1.99	−18 40.6	1.818	2.697	12.8	20.7

365452 2010 NZ_{23} 3 28.2 235°.79 1°.9/26.4 16

2 21	12 53.43	− 1 13.9	1.931	2.752	13.7	22.2
3 2	12 48.97	− 0 24.0	1.836	2.739	10.5	22.0
3 12	12 42.28	+ 0 37.8	1.765	2.726	6.6	21.7
3 22	12 33.96	+ 1 46.5	1.721	2.712	2.7	21.4
4 1	12 24.85	+ 2 55.2	1.705	2.697	3.2	21.4
4 11	12 16.01	+ 3 56.3	1.718	2.682	7.3	21.6
4 21	12 8.37	+ 4 44.0	1.757	2.666	11.3	21.9
5 1	12 2.69	+ 5 14.4	1.818	2.650	14.9	22.0

431972 2008 UX_{141} 3 28.2 73°.57 0°.5/27.8 17

2 21	12 51.99	− 4 9.5	1.992	2.806	13.7	21.9
3 2	12 47.49	− 3 39.1	1.928	2.825	10.3	21.7
3 12	12 41.07	− 2 57.4	1.887	2.845	6.5	21.5
3 22	12 33.39	− 2 8.7	1.872	2.864	2.5	21.3
4 1	12 25.29	− 1 18.5	1.887	2.883	1.8	21.3
4 11	12 17.69	− 0 32.5	1.929	2.902	5.8	21.6
4 21	12 11.36	+ 0 4.4	1.999	2.921	9.5	21.9
5 1	12 6.83	+ 0 28.9	2.092	2.940	12.6	22.1

393368 1999 TJ_{134} 3 28.2 175°.23 0°.4/28.6 18

2 21	12 58.40	− 6 2.7	1.660	2.466	16.2	22.0
3 2	12 52.99	− 5 49.3	1.577	2.469	12.6	21.8
3 12	12 44.96	− 5 20.9	1.517	2.471	8.2	21.5
3 22	12 35.02	− 4 40.7	1.483	2.473	3.4	21.3
4 1	12 24.26	− 3 54.2	1.476	2.474	1.8	21.1
4 11	12 13.98	− 3 8.4	1.498	2.474	6.8	21.5
4 21	12 5.27	− 2 29.9	1.545	2.473	11.3	21.7
5 1	11 58.97	− 2 3.8	1.615	2.472	15.3	21.9

58068 3143 $T\text{-}_{1}$ 3 28.2 94°.87 2°.0/29.4 18

2 21	13 6.41	− 6 18.9	1.813	2.597	15.9	18.7
3 2	12 58.76	− 7 9.8	1.737	2.613	12.5	18.5
3 12	12 48.48	− 7 50.7	1.684	2.629	8.4	18.3
3 22	12 36.34	− 8 21.5	1.660	2.645	4.1	18.1
4 1	12 23.50	− 8 43.4	1.665	2.660	2.3	18.0
4 11	12 11.27	− 8 59.1	1.700	2.676	6.2	18.3
4 21	12 0.75	− 9 12.4	1.764	2.690	10.2	18.5
5 1	11 52.71	− 9 27.1	1.852	2.705	13.7	18.8

491617 2012 TW_{69} 3 28.2 124°.60 0°.4/27.9 17

2 21	12 53.40	− 3 1.0	2.419	3.222	11.8	21.8
3 2	12 48.31	− 2 49.9	2.339	3.231	9.0	21.6
3 12	12 41.52	− 2 30.8	2.285	3.240	5.7	21.4
3 22	12 33.57	− 2 6.3	2.258	3.249	2.2	21.2
4 1	12 25.18	− 1 40.3	2.261	3.258	1.6	21.1
4 11	12 17.15	− 1 16.8	2.294	3.266	5.1	21.4
4 21	12 10.16	− 0 59.2	2.355	3.274	8.4	21.6
5 1	12 4.75	− 0 50.2	2.440	3.282	11.2	21.8

322372 2011 LP_{13} 3 28.2 176°.93 1°.2/26.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 50.63	− 1 46.1	2.322	3.137	11.9	21.3
3 2	12 46.34	− 1 6.1	2.238	3.138	9.0	21.1
3 12	12 40.34	− 0 16.9	2.179	3.139	5.7	20.9
3 22	12 33.13	+ 0 37.3	2.148	3.139	2.2	20.7
4 1	12 25.44	+ 1 31.3	2.146	3.140	2.3	20.7
4 11	12 18.05	+ 2 19.8	2.173	3.140	5.8	20.9
4 21	12 11.68	+ 2 58.4	2.227	3.139	9.2	21.1
5 1	12 6.88	+ 3 24.1	2.306	3.139	12.1	21.3

253202 2002 XY_{73} 3 28.2 119°.54 3°.3/25.2 18

2 21	12 55.35	+ 3 46.5	1.893	2.721	13.7	20.8
3 2	12 50.16	+ 4 32.0	1.827	2.734	10.3	20.7
3 12	12 42.84	+ 5 23.1	1.786	2.746	6.6	20.5
3 22	12 34.10	+ 6 13.7	1.771	2.758	3.5	20.3
4 1	12 24.88	+ 6 57.4	1.785	2.770	4.4	20.4
4 11	12 16.19	+ 7 28.5	1.827	2.781	7.8	20.6
4 21	12 8.89	+ 7 43.8	1.895	2.792	11.3	20.8
5 1	12 3.60	+ 7 42.0	1.985	2.802	14.3	21.0

336331 2008 TX_{86} 3 28.2 292°.90 3°.1/31.6 17

2 21	12 48.03	−15 50.0	1.906	2.684	15.5	21.5
3 2	12 44.97	−15 20.8	1.806	2.672	12.6	21.3
3 12	12 39.78	−14 28.2	1.726	2.660	9.1	21.0
3 22	12 33.00	−13 13.7	1.671	2.648	5.3	20.8
4 1	12 25.49	−11 41.9	1.643	2.636	3.1	20.6
4 11	12 18.23	−10 0.5	1.643	2.624	5.7	20.7
4 21	12 12.14	− 8 18.9	1.670	2.612	9.6	20.9
5 1	12 7.96	− 6 45.8	1.721	2.600	13.4	21.1

471561 2012 PO_{30} 3 28.2 237°.72 5°.8/ 3.5 18

2 21	12 53.48	−22 54.7	2.458	3.168	14.2	21.9
3 2	12 48.79	−23 21.3	2.346	3.155	12.1	21.7
3 12	12 42.11	−23 29.0	2.255	3.141	9.7	21.5
3 22	12 33.91	−23 16.4	2.188	3.126	7.4	21.3
4 1	12 24.93	−22 43.6	2.148	3.111	5.9	21.2
4 11	12 16.09	−21 54.0	2.137	3.096	6.4	21.2
4 21	12 8.23	−20 52.8	2.152	3.080	8.6	21.3
5 1	12 2.07	−19 46.7	2.193	3.064	11.2	21.4

463722 2014 QY_{267} 3 28.2 165°.16 1°.7/26.5 17

2 21	12 54.79	− 0 49.6	2.102	2.916	13.0	22.4
3 2	12 49.63	− 0 3.7	2.023	2.922	9.8	22.2
3 12	12 42.50	+ 0 51.7	1.968	2.928	6.2	22.0
3 22	12 33.99	+ 1 51.6	1.941	2.932	2.5	21.8
4 1	12 24.94	+ 2 49.9	1.944	2.936	2.9	21.8
4 11	12 16.30	+ 3 40.6	1.976	2.939	6.6	22.0
4 21	12 8.86	+ 4 19.0	2.035	2.942	10.2	22.2
5 1	12 3.26	+ 4 42.3	2.117	2.943	13.3	22.4

38440 1999 SA_{5} 3 28.2 267°.52 1°.8/26.7 18

2 21	12 54.51	− 0 53.4	1.677	2.504	15.2	18.7
3 2	12 50.19	− 0 20.8	1.581	2.487	11.6	18.4
3 12	12 43.31	+ 0 24.0	1.507	2.468	7.4	18.1
3 22	12 34.46	+ 1 15.8	1.458	2.450	3.0	17.8
4 1	12 24.60	+ 2 7.9	1.438	2.431	3.3	17.7
4 11	12 14.99	+ 2 52.7	1.444	2.412	7.9	18.0
4 21	12 6.74	+ 3 23.9	1.475	2.393	12.5	18.2
5 1	12 0.77	+ 3 37.5	1.528	2.373	16.6	18.4

98865 2001 AY_{47} 3 28.2 201°.79 4°.9/22.5 18

2 21	12 54.24	+11 34.3	2.461	3.287	11.0	20.3
3 2	12 49.00	+12 28.2	2.382	3.283	8.5	20.2
3 12	12 42.00	+13 21.9	2.330	3.278	6.1	20.0
3 22	12 33.79	+14 9.5	2.305	3.273	4.9	19.9
4 1	12 25.08	+14 45.5	2.309	3.267	5.9	20.0
4 11	12 16.69	+15 5.8	2.342	3.261	8.3	20.1
4 21	12 9.35	+15 8.6	2.400	3.254	10.9	20.2
5 1	12 3.61	+14 53.7	2.481	3.246	13.3	20.4

413568 2005 TC_{103} 3 28.2 158°.53 2°.6/24.9 16

2 21	12 53.16	+ 3 14.3	2.581	3.397	10.8	22.3
3 2	12 48.02	+ 4 9.9	2.505	3.406	8.1	22.1
3 12	12 41.28	+ 5 10.5	2.456	3.415	5.2	21.9
3 22	12 33.48	+ 6 11.5	2.436	3.423	2.8	21.8
4 1	12 25.28	+ 7 7.5	2.447	3.430	3.6	21.9
4 11	12 17.42	+ 7 53.7	2.487	3.436	6.3	22.0
4 21	12 10.55	+ 8 27.0	2.555	3.441	9.2	22.2
5 1	12 5.16	+ 8 45.6	2.647	3.446	11.7	22.4

502482 2015 BS_{354} 3 28.2 238°.89 0°.9/27.4 17

2 21	12 51.23	− 2 59.2	2.075	2.891	13.1	21.6
3 2	12 47.06	− 2 27.3	1.987	2.887	10.0	21.3
3 12	12 40.94	− 1 44.4	1.923	2.882	6.3	21.1
3 22	12 33.42	− 0 54.6	1.886	2.877	2.4	20.8
4 1	12 25.29	− 0 3.2	1.877	2.873	2.1	20.8
4 11	12 17.47	+ 0 43.9	1.897	2.868	6.1	21.1
4 21	12 10.77	+ 1 21.5	1.943	2.863	9.9	21.3
5 1	12 5.83	+ 1 46.2	2.013	2.858	13.2	21.5

273640 2007 DT_{54} 3 28.2 240°.83 0°.6/27.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 51.45	− 4 27.8	2.124	2.934	13.0	21.7
3 2	12 47.28	− 3 45.4	2.025	2.921	10.0	21.5
3 12	12 41.12	− 2 49.9	1.951	2.908	6.4	21.3
3 22	12 33.52	− 1 45.3	1.903	2.895	2.4	21.0
4 1	12 25.22	− 0 37.2	1.885	2.881	2.0	20.9
4 11	12 17.16	+ 0 27.7	1.895	2.866	6.1	21.2
4 21	12 10.16	+ 1 23.4	1.933	2.851	10.0	21.4
5 1	12 4.91	+ 2 5.3	1.994	2.836	13.4	21.5

46193 2001 FW_{141} 3 28.2 228°.55 0°.7/27.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 50.46	− 3 45.6	2.159	2.972	12.8	19.7
3 2	12 46.41	− 3 9.1	2.070	2.968	9.7	19.5
3 12	12 40.49	− 2 21.1	2.005	2.963	6.2	19.2
3 22	12 33.24	− 1 25.6	1.967	2.959	2.3	19.0
4 1	12 25.41	− 0 27.9	1.958	2.954	2.0	18.9
4 11	12 17.88	+ 0 26.0	1.978	2.949	5.9	19.2
4 21	12 11.41	+ 1 10.8	2.025	2.944	9.5	19.4
5 1	12 6.63	+ 1 42.8	2.095	2.939	12.7	19.6

109354 2001 QU_{153} 3 28.2 115°.39 2°.9/25.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 54.40	+ 2 51.1	2.111	2.933	12.7	20.5
3 2	12 49.18	+ 3 46.3	2.049	2.953	9.5	20.3
3 12	12 42.10	+ 4 47.4	2.013	2.973	6.0	20.2
3 22	12 33.80	+ 5 48.4	2.004	2.992	3.2	20.0
4 1	12 25.11	+ 6 43.3	2.025	3.010	4.0	20.1
4 11	12 16.94	+ 7 26.4	2.075	3.027	7.1	20.3
4 21	12 10.03	+ 7 54.6	2.151	3.044	10.3	20.5
5 1	12 4.90	+ 8 6.3	2.250	3.061	13.1	20.8

36645 2000 QV_{189} 3 28.2 114°.39 3°.5/24.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 53.88	+ 4 52.2	2.120	2.947	12.4	19.0
3 2	12 48.80	+ 5 48.0	2.059	2.965	9.3	18.8
3 12	12 41.86	+ 6 48.0	2.023	2.982	6.0	18.7
3 22	12 33.71	+ 7 46.2	2.014	2.999	3.6	18.5
4 1	12 25.17	+ 8 36.5	2.035	3.015	4.5	18.6
4 11	12 17.12	+ 9 13.8	2.084	3.030	7.5	18.8
4 21	12 10.31	+ 9 35.1	2.159	3.045	10.6	19.1
5 1	12 5.28	+ 9 39.4	2.257	3.060	13.3	19.3

387043 2012 TS_{7} 3 28.2 126°.35 2°.1/30.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 53.22	−10 59.4	2.370	3.146	12.9	21.4
3 2	12 48.30	−11 4.9	2.285	3.154	10.2	21.2
3 12	12 41.59	−10 57.3	2.223	3.162	7.1	21.1
3 22	12 33.64	−10 38.0	2.189	3.170	3.8	20.9
4 1	12 25.18	−10 9.5	2.183	3.177	2.2	20.8
4 11	12 17.05	− 9 36.2	2.207	3.185	4.8	20.9
4 21	12 9.98	− 9 2.7	2.259	3.192	8.0	21.2
5 1	12 4.55	− 8 33.3	2.336	3.199	10.9	21.4

340744 2006 SS_{210} 3 28.2 188°.59 2°.1/26.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 54.22	+ 3 15.6	2.575	3.389	10.9	20.9
3 2	12 48.88	+ 3 32.3	2.489	3.389	8.2	20.7
3 12	12 41.88	+ 3 52.7	2.430	3.388	5.2	20.5
3 22	12 33.74	+ 4 13.4	2.398	3.387	2.5	20.3
4 1	12 25.13	+ 4 30.7	2.397	3.385	2.9	20.3
4 11	12 16.82	+ 4 40.9	2.425	3.384	5.9	20.5
4 21	12 9.49	+ 4 41.6	2.482	3.382	8.8	20.7
5 1	12 3.67	+ 4 31.6	2.563	3.380	11.5	20.9

184420 2005 MJ_{52} 3 28.2 133°.58 1°.8/25.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 48.98	+ 0 12.4	2.448	3.268	11.2	20.8
3 2	12 44.99	+ 1 0.4	2.369	3.272	8.4	20.6
3 12	12 39.43	+ 1 55.8	2.315	3.276	5.3	20.4
3 22	12 32.78	+ 2 54.3	2.290	3.280	2.3	20.2
4 1	12 25.71	+ 3 50.5	2.294	3.284	2.8	20.3
4 11	12 18.96	+ 4 39.4	2.327	3.288	5.9	20.5
4 21	12 13.14	+ 5 17.1	2.387	3.291	9.0	20.7
5 1	12 8.78	+ 5 41.2	2.471	3.294	11.7	20.9

420774 2013 GO_{49} 3 28.2 264°.49 0°.7/27.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 55.52	− 3 31.1	1.732	2.549	15.2	22.0
3 2	12 50.98	− 3 10.0	1.628	2.528	11.8	21.7
3 12	12 43.85	− 2 35.5	1.548	2.506	7.6	21.4
3 22	12 34.70	− 1 51.2	1.492	2.484	2.9	21.0
4 1	12 24.48	− 1 2.6	1.465	2.461	2.3	20.9
4 11	12 14.42	− 0 17.1	1.465	2.438	7.3	21.2
4 21	12 5.67	+ 0 19.0	1.491	2.415	12.0	21.4
5 1	11 59.18	+ 0 40.5	1.539	2.391	16.1	21.6

357161 2002 CO_{160} 3 28.2 10°.82 7°.7/22.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 51.15	+ 9 33.2	1.121	1.992	18.0	19.4
3 2	12 48.27	+10 51.4	1.067	1.993	13.9	19.1
3 12	12 42.27	+12 12.3	1.033	1.996	9.9	18.9
3 22	12 34.03	+13 23.6	1.022	1.999	7.7	18.8
4 1	12 24.98	+14 13.0	1.033	2.004	9.4	18.9
4 11	12 16.72	+14 32.3	1.067	2.010	13.3	19.1
4 21	12 10.51	+14 19.5	1.120	2.016	17.4	19.4
5 1	12 7.18	+13 36.8	1.191	2.024	21.1	19.6

111856 2002 EC_{69} 3 28.2 351°.46 1°.3/29.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 47.92	− 8 15.4	1.161	2.002	19.6	19.0
3 2	12 45.92	− 8 3.0	1.086	1.996	15.4	18.7
3 12	12 40.90	− 7 27.3	1.031	1.991	10.3	18.4
3 22	12 33.58	− 6 31.8	0.996	1.987	4.6	18.1
4 1	12 25.20	− 5 23.9	0.986	1.983	2.2	17.9
4 11	12 17.33	− 4 14.5	0.998	1.982	7.9	18.2
4 21	12 11.31	− 3 14.2	1.033	1.981	13.4	18.5
5 1	12 8.10	− 2 31.3	1.088	1.981	18.2	18.8

96928 1999 TU_{128} 3 28.2 122°.25 0°.7/29.0 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 51.10	− 8 9.9	2.041	2.841	13.8	19.9
3 2	12 46.94	− 7 41.0	1.960	2.847	10.7	19.7
3 12	12 40.83	− 6 57.2	1.902	2.853	7.0	19.5
3 22	12 33.37	− 6 1.9	1.871	2.859	3.0	19.3
4 1	12 25.37	− 5 0.2	1.868	2.865	1.5	19.1
4 11	12 17.75	− 3 58.5	1.893	2.871	5.4	19.4
4 21	12 11.31	− 3 3.0	1.946	2.876	9.2	19.7
5 1	12 6.66	− 2 18.4	2.023	2.882	12.5	19.9

63145 Choemuseon 3 28.2 272°.92 1°.0/27.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 49.31	− 1 57.2	2.474	3.288	11.3	20.0
3 2	12 45.37	− 1 24.5	2.374	3.273	8.6	19.7
3 12	12 39.76	− 0 43.0	2.299	3.258	5.4	19.5
3 22	12 32.96	+ 0 3.9	2.252	3.243	2.1	19.3
4 1	12 25.60	+ 0 51.7	2.234	3.228	2.1	19.2
4 11	12 18.43	+ 1 35.4	2.245	3.213	5.5	19.4
4 21	12 12.14	+ 2 10.8	2.283	3.198	8.9	19.6
5 1	12 7.30	+ 2 34.7	2.346	3.182	11.8	19.8

226023 2002 EY_{115} 3 28.2 15°.10 4°.5/25.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 57.51	+ 7 50.9	1.522	2.364	15.7	19.1
3 2	12 52.36	+ 8 2.5	1.455	2.367	12.0	18.9
3 12	12 44.54	+ 8 14.9	1.410	2.371	8.0	18.7
3 22	12 34.86	+ 8 21.8	1.391	2.375	4.8	18.5
4 1	12 24.49	+ 8 17.3	1.397	2.380	5.6	18.6
4 11	12 14.78	+ 7 57.4	1.430	2.386	9.4	18.8
4 21	12 6.81	+ 7 20.9	1.488	2.393	13.3	19.0
5 1	12 1.35	+ 6 28.4	1.566	2.400	16.8	19.3

380592 2004 RE_{323} 3 28.2 234°.40 4°.2/ 1.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 55.25	−16 24.7	2.262	3.011	14.2	21.3
3 2	12 50.21	−16 50.4	2.155	3.000	11.7	21.1
3 12	12 43.06	−17 0.0	2.071	2.989	8.8	20.9
3 22	12 34.31	−16 52.8	2.012	2.977	5.8	20.7
4 1	12 24.76	−16 29.8	1.982	2.965	4.3	20.5
4 11	12 15.36	−15 54.6	1.980	2.952	5.8	20.6
4 21	12 7.03	−15 12.6	2.006	2.939	8.8	20.8
5 1	12 0.51	−14 29.8	2.057	2.925	12.0	20.9

385155 2013 TE_{90} 3 28.2 208°.49 0°.6/28.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 52.11	− 7 5.6	2.109	2.909	13.5	21.7
3 2	12 47.73	− 6 44.2	2.018	2.906	10.4	21.5
3 12	12 41.38	− 6 9.3	1.951	2.903	6.8	21.3
3 22	12 33.61	− 5 23.9	1.910	2.899	2.9	21.0
4 1	12 25.21	− 4 32.4	1.898	2.895	1.5	20.9
4 11	12 17.12	− 3 40.8	1.914	2.891	5.5	21.2
4 21	12 10.15	− 2 54.6	1.958	2.886	9.3	21.4
5 1	12 4.95	− 2 18.4	2.026	2.881	12.7	21.6

342943 2009 AO_{32} 3 28.2 83°.99 3°.9/ 1.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 52.12	−16 2.7	2.207	2.966	14.2	20.9
3 2	12 47.68	−16 18.6	2.120	2.972	11.6	20.7
3 12	12 41.31	−16 17.5	2.056	2.979	8.6	20.5
3 22	12 33.57	−15 59.7	2.017	2.985	5.6	20.3
4 1	12 25.26	−15 27.4	2.006	2.992	3.9	20.3
4 11	12 17.26	−14 44.9	2.023	2.998	5.4	20.4
4 21	12 10.40	−13 58.0	2.067	3.004	8.4	20.5
5 1	12 5.29	−13 12.3	2.136	3.011	11.3	20.7

303392 2004 XT_{62} 3 28.2 170°.36 0°.2/28.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 55.34	− 5 35.7	2.001	2.803	14.0	21.9
3 2	12 50.21	− 4 58.0	1.917	2.808	10.7	21.7
3 12	12 42.97	− 4 6.7	1.857	2.812	6.9	21.5
3 22	12 34.23	− 3 5.6	1.824	2.815	2.7	21.2
4 1	12 24.89	− 2 0.7	1.821	2.818	1.8	21.2
4 11	12 15.94	− 0 58.7	1.847	2.819	6.1	21.5
4 21	12 8.27	− 0 5.7	1.900	2.820	10.0	21.7
5 1	12 2.54	+ 0 33.9	1.977	2.820	13.4	21.9

255727 2006 QE_{129} 3 28.2 180°.34 0°.8/27.5 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 54.96	− 3 5.4	2.105	2.913	13.2	21.9
3 2	12 49.84	− 2 34.2	2.020	2.914	10.1	21.7
3 12	12 42.70	− 1 52.3	1.958	2.915	6.4	21.5
3 22	12 34.13	− 1 3.7	1.924	2.916	2.4	21.2
4 1	12 24.96	− 0 13.4	1.920	2.915	2.1	21.2
4 11	12 16.15	+ 0 32.4	1.944	2.914	6.1	21.4
4 21	12 8.53	+ 1 9.1	1.996	2.912	9.8	21.7
5 1	12 2.75	+ 1 33.1	2.072	2.910	13.1	21.9

65500 2759 *P–L* 3 28.2 184°.27 0°.1/28.1 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 53.90	− 5 38.6	2.127	2.928	13.3	21.2
3 2	12 49.04	− 5 4.8	2.039	2.929	10.2	21.0
3 12	12 42.19	− 4 18.2	1.975	2.929	6.6	20.8
3 22	12 33.93	− 3 22.2	1.937	2.928	2.6	20.5
4 1	12 25.08	− 2 22.1	1.930	2.927	1.6	20.5
4 11	12 16.56	− 1 24.3	1.951	2.925	5.7	20.7
4 21	12 9.19	− 0 34.2	2.000	2.922	9.5	21.0
5 1	12 3.62	+ 0 3.9	2.074	2.918	12.8	21.2

325265 2008 GQ_{113} 3 28.2 39°.78 1°.1/29.2 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 51.04	− 8 47.9	1.583	2.397	16.6	21.2
3 2	12 47.45	− 8 23.4	1.507	2.401	12.9	21.0
3 12	12 41.44	− 7 39.8	1.452	2.406	8.6	20.7
3 22	12 33.69	− 6 40.9	1.422	2.411	3.8	20.4
4 1	12 25.23	− 5 32.9	1.418	2.416	1.8	20.3
4 11	12 17.26	− 4 24.3	1.441	2.421	6.5	20.6
4 21	12 10.77	− 3 23.2	1.490	2.427	11.0	20.9
5 1	12 6.53	− 2 35.8	1.560	2.432	14.9	21.1

458794 2011 SW_{170} 3 28.2 92°.93 0°.4/28.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 55.97	− 6 37.2	1.554	2.367	16.8	22.2
3 2	12 51.08	− 6 15.2	1.489	2.385	12.9	22.0
3 12	12 43.66	− 5 36.8	1.446	2.401	8.4	21.8
3 22	12 34.51	− 4 46.3	1.428	2.418	3.4	21.5
4 1	12 24.77	− 3 50.1	1.437	2.435	1.8	21.4
4 11	12 15.68	− 2 56.2	1.473	2.451	6.7	21.8
4 21	12 8.28	− 2 11.3	1.535	2.466	11.1	22.1
5 1	12 3.26	− 1 40.2	1.620	2.482	14.9	22.4

503011 2015 FG_{109} 3 28.2 171°.29 3°.2/31.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 53.62	−13 31.0	2.291	3.057	13.6	20.8
3 2	12 48.78	−13 49.7	2.199	3.058	10.9	20.6
3 12	12 42.02	−13 53.8	2.129	3.059	7.9	20.4
3 22	12 33.88	−13 43.9	2.086	3.060	4.8	20.2
4 1	12 25.11	−13 21.7	2.071	3.060	3.2	20.1
4 11	12 16.62	−12 51.3	2.085	3.061	5.2	20.3
4 21	12 9.20	−12 17.5	2.126	3.061	8.3	20.4
5 1	12 3.50	−11 45.4	2.193	3.061	11.3	20.6

210739 2000 UD_{17} 3 28.2 117°.24 0°.8/29.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 55.76	− 8 17.4	1.805	2.603	15.5	21.4
3 2	12 50.61	− 7 48.6	1.735	2.622	11.9	21.2
3 12	12 43.22	− 7 3.4	1.688	2.639	7.8	21.0
3 22	12 34.32	− 6 5.8	1.667	2.656	3.4	20.8
4 1	12 24.88	− 5 1.5	1.675	2.672	1.6	20.7
4 11	12 16.02	− 3 58.0	1.711	2.688	6.0	21.0
4 21	12 8.62	− 3 2.0	1.774	2.703	10.0	21.3
5 1	12 3.33	− 2 18.4	1.861	2.717	13.5	21.5

129339 2005 UT_{109} 3 28.2 196°.04 1°.8/29.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 52.62	−10 24.0	2.052	2.841	14.2	20.2
3 2	12 48.21	−10 11.6	1.961	2.839	11.2	20.0
3 12	12 41.73	− 9 43.3	1.893	2.838	7.6	19.8
3 22	12 33.78	− 9 1.2	1.851	2.836	3.8	19.6
4 1	12 25.17	− 8 9.4	1.837	2.833	2.0	19.4
4 11	12 16.88	− 7 13.6	1.852	2.831	5.4	19.6
4 21	12 9.76	− 6 20.2	1.894	2.828	9.2	19.9
5 1	12 4.48	− 5 34.7	1.960	2.824	12.6	20.1

165276 2000 SJ_{280} 3 28.2 181°.92 2°.0/30.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 54.33	−11 50.3	1.952	2.734	15.0	20.6
3 2	12 49.60	−11 28.2	1.862	2.736	11.9	20.4
3 12	12 42.67	−10 47.6	1.794	2.736	8.2	20.1
3 22	12 34.16	− 9 50.6	1.753	2.736	4.2	19.9
4 1	12 24.95	− 8 42.0	1.739	2.735	2.2	19.7
4 11	12 16.11	− 7 28.8	1.755	2.734	5.6	20.0
4 21	12 8.54	− 6 18.3	1.798	2.731	9.6	20.2
5 1	12 2.97	− 5 17.3	1.865	2.729	13.2	20.4

386237 2008 AM_{13} 3 28.2 42°.57 3°.4/24.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 48.22	+ 4 16.2	2.252	3.086	11.6	20.7
3 2	12 44.58	+ 5 22.4	2.178	3.088	8.7	20.5
3 12	12 39.25	+ 6 34.2	2.129	3.090	5.6	20.3
3 22	12 32.76	+ 7 45.8	2.108	3.092	3.4	20.2
4 1	12 25.82	+ 8 50.8	2.115	3.095	4.5	20.3
4 11	12 19.20	+ 9 43.3	2.151	3.097	7.4	20.5
4 21	12 13.60	+10 19.8	2.213	3.099	10.4	20.6
5 1	12 9.55	+10 38.5	2.296	3.102	13.0	20.8

292463 2006 SN_{375} 3 28.2 219°.95 1°.4/26.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 48.09	− 2 6.7	2.390	3.207	11.5	21.1
3 2	12 44.43	− 1 8.2	2.303	3.204	8.7	20.9
3 12	12 39.15	+ 0 0.6	2.241	3.201	5.4	20.7
3 22	12 32.73	+ 1 15.1	2.207	3.198	2.2	20.5
4 1	12 25.83	+ 2 29.3	2.203	3.195	2.5	20.5
4 11	12 19.20	+ 3 37.3	2.228	3.192	5.9	20.7
4 21	12 13.50	+ 4 34.0	2.280	3.188	9.1	20.9
5 1	12 9.27	+ 5 16.2	2.356	3.185	12.0	21.1

474594 2004 PE_{84} 3 28.2 291°.79 9°.1/ 4.3 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 2.24	−28 54.1	2.502	3.153	15.2	20.6
3 2	12 55.91	−30 35.5	2.386	3.137	13.6	20.5
3 12	12 47.02	−32 0.8	2.292	3.120	11.8	20.3
3 22	12 36.02	−33 4.9	2.222	3.103	10.1	20.1
4 1	12 23.73	−33 44.0	2.178	3.087	9.2	20.1
4 11	12 11.27	−33 57.4	2.161	3.070	9.4	20.0
4 21	11 59.78	−33 48.2	2.171	3.054	10.7	20.1
5 1	11 50.27	−33 22.3	2.205	3.037	12.6	20.2

136739 1995 VD_{13} 3 28.2 318°.19 1°.3/26.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 48.68	− 2 3.4	2.161	2.983	12.4	20.1
3 2	12 45.06	− 1 23.1	2.074	2.977	9.4	19.9
3 12	12 39.65	− 0 32.6	2.012	2.972	5.9	19.7
3 22	12 32.95	+ 0 23.8	1.976	2.968	2.3	19.4
4 1	12 25.70	+ 1 20.6	1.969	2.963	2.4	19.4
4 11	12 18.74	+ 2 11.9	1.990	2.958	6.1	19.6
4 21	12 12.82	+ 2 52.7	2.038	2.954	9.6	19.8
5 1	12 8.52	+ 3 19.7	2.109	2.950	12.8	20.0

10834 Zembsch–Schreve 3 28.2 304°.65 0°.2/28.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 55.41	− 3 47.1	1.436	2.264	17.2	17.6
3 2	12 51.19	− 3 44.3	1.353	2.257	13.3	17.3
3 12	12 44.10	− 3 27.8	1.290	2.250	8.7	17.0
3 22	12 34.83	− 3 1.1	1.252	2.243	3.4	16.7
4 1	12 24.54	− 2 29.8	1.240	2.237	2.2	16.6
4 11	12 14.67	− 2 0.9	1.253	2.230	7.6	16.9
4 21	12 6.47	− 1 40.8	1.291	2.224	12.6	17.1
5 1	12 0.89	− 1 34.2	1.350	2.218	17.0	17.4

422247 2014 SF_{68} 3 28.2 204°.80 2°.7/25.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 56.02	+ 1 50.9	2.020	2.840	13.2	22.0
3 2	12 50.79	+ 2 40.8	1.932	2.835	10.0	21.7
3 12	12 43.40	+ 3 39.1	1.869	2.828	6.4	21.5
3 22	12 34.45	+ 4 40.2	1.833	2.821	3.1	21.3
4 1	12 24.80	+ 5 37.4	1.826	2.813	3.9	21.3
4 11	12 15.49	+ 6 24.2	1.848	2.804	7.5	21.5
4 21	12 7.41	+ 6 56.1	1.896	2.794	11.2	21.7
5 1	12 1.27	+ 7 10.7	1.968	2.784	14.5	21.9

121517 1999 UO_{11} 3 28.2 164°.14 0°.3/27.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 50.99	− 5 19.7	2.383	3.185	12.1	20.6
3 2	12 46.59	− 4 39.0	2.298	3.189	9.2	20.4
3 12	12 40.51	− 3 46.7	2.238	3.193	5.9	20.2
3 22	12 33.27	− 2 46.7	2.206	3.197	2.2	20.0
4 1	12 25.55	− 1 43.7	2.203	3.200	1.6	19.9
4 11	12 18.15	− 0 43.6	2.230	3.203	5.2	20.2
4 21	12 11.75	+ 0 8.8	2.285	3.205	8.6	20.4
5 1	12 6.89	+ 0 49.7	2.365	3.207	11.5	20.6

428932 2008 WE_{116} 3 28.2 123°.14 0°.3/28.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 51.37	− 6 13.8	2.209	3.011	12.9	22.0
3 2	12 47.01	− 5 50.7	2.128	3.018	9.9	21.8
3 12	12 40.83	− 5 15.8	2.071	3.024	6.4	21.6
3 22	12 33.40	− 4 31.9	2.040	3.030	2.6	21.3
4 1	12 25.48	− 3 43.8	2.039	3.036	1.4	21.2
4 11	12 17.90	− 2 56.7	2.066	3.042	5.2	21.5
4 21	12 11.42	− 2 15.7	2.121	3.048	8.8	21.7
5 1	12 6.60	− 1 44.5	2.200	3.053	11.9	22.0

111484 2001 YD_{41} 3 28.2 242°.66 4°.9/22.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 51.44	+11 50.4	2.498	3.329	10.7	20.2
3 2	12 46.92	+12 44.9	2.417	3.320	8.3	20.0
3 12	12 40.72	+13 39.0	2.362	3.312	6.0	19.8
3 22	12 33.35	+14 27.3	2.335	3.303	4.9	19.8
4 1	12 25.50	+15 4.1	2.337	3.293	6.0	19.8
4 11	12 17.93	+15 25.5	2.366	3.284	8.3	19.9
4 21	12 11.33	+15 29.4	2.421	3.275	10.8	20.1
5 1	12 6.24	+15 15.6	2.497	3.265	13.1	20.2

287996 2003 UC_{190} 3 28.3 140°.72 0°.9/29.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 54.93	− 8 12.3	1.929	2.725	14.7	21.8
3 2	12 49.95	− 7 47.4	1.851	2.736	11.4	21.6
3 12	12 42.82	− 7 7.2	1.796	2.746	7.5	21.4
3 22	12 34.20	− 6 14.8	1.767	2.756	3.3	21.2
4 1	12 25.01	− 5 15.6	1.767	2.765	1.6	21.0
4 11	12 16.27	− 4 16.2	1.796	2.773	5.7	21.3
4 21	12 8.87	− 3 23.1	1.852	2.781	9.7	21.6
5 1	12 3.46	− 2 41.0	1.932	2.788	13.1	21.8

338445 2003 ET_{47} 3 28.3 336°.82 22°.4/22.6 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	13 6.27	−26 32.7	1.135	1.875	26.0	19.7
3 2	13 3.22	−31 26.2	1.024	1.829	24.4	19.4
3 12	12 54.95	−36 31.4	0.934	1.783	23.0	19.1
3 22	12 40.59	−41 29.8	0.864	1.740	22.4	18.9
4 1	12 20.12	−45 54.2	0.817	1.699	23.0	18.7
4 11	11 55.41	−49 18.6	0.790	1.660	25.1	18.6
4 21	11 30.27	−51 30.5	0.781	1.625	28.0	18.7
5 1	11 9.32	−52 37.7	0.784	1.593	31.2	18.7

388796 2008 AY_{128} 3 28.3 345°.04 2°.9/30.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 50.59	−11 28.3	1.927	2.719	14.9	21.0
3 2	12 46.88	−11 48.9	1.835	2.712	11.9	20.8
3 12	12 41.02	−11 54.4	1.764	2.705	8.4	20.6
3 22	12 33.57	−11 45.2	1.719	2.699	4.8	20.3
4 1	12 25.37	−11 23.9	1.700	2.693	3.0	20.2
4 11	12 17.44	−10 55.0	1.709	2.688	5.7	20.4
4 21	12 10.70	−10 24.0	1.743	2.684	9.4	20.6
5 1	12 5.87	− 9 56.4	1.802	2.680	12.9	20.8

95512 2002 EH_{52} 3 28.3 176°.14 3°.3/30.9 18 R

2 21	12 59.77	−12 1.1	2.175	2.939	14.3	19.5
3 2	12 53.60	−12 41.3	2.081	2.940	11.5	19.3
3 12	12 45.22	−13 8.7	2.011	2.941	8.2	19.1
3 22	12 35.19	−13 22.8	1.967	2.942	4.9	18.9
4 1	12 24.41	−13 24.6	1.953	2.942	3.3	18.8
4 11	12 13.91	−13 17.1	1.968	2.942	5.6	19.0
4 21	12 4.63	−13 4.7	2.012	2.942	9.0	19.2
5 1	11 57.32	−12 52.2	2.081	2.942	12.2	19.4

206986 2004 TV_{135} 3 28.3 163°.84 1°.6/29.6 18

2 21	12 57.57	− 8 39.8	1.753	2.549	15.9	21.1
3 2	12 52.28	− 8 40.1	1.670	2.554	12.5	20.9
3 12	12 44.50	− 8 24.7	1.610	2.557	8.4	20.7
3 22	12 34.93	− 7 55.7	1.574	2.561	4.0	20.4
4 1	12 24.58	− 7 17.1	1.567	2.564	2.0	20.3
4 11	12 14.68	− 6 35.2	1.587	2.566	6.2	20.5
4 21	12 6.26	− 5 56.4	1.635	2.568	10.5	20.8
5 1	12 0.12	− 5 26.2	1.705	2.569	14.3	21.0

162751 2000 WZ_{46} 3 28.3 113°.35 0°.6/27.7 18

2 21	12 55.29	− 4 56.2	1.752	2.564	15.3	20.9
3 2	12 50.30	− 4 13.7	1.685	2.582	11.6	20.7
3 12	12 43.05	− 3 17.0	1.642	2.599	7.4	20.5
3 22	12 34.29	− 2 11.3	1.625	2.616	2.8	20.2
4 1	12 25.01	− 1 3.4	1.636	2.632	2.1	20.2
4 11	12 16.31	− 0 1.0	1.675	2.648	6.6	20.5
4 21	12 9.10	+ 0 49.7	1.741	2.663	10.7	20.8
5 1	12 4.02	+ 1 24.8	1.830	2.677	14.1	21.1

22119 2000 SA_{101} 3 28.3 55°.50 7°.2/ 4.4 18

2 21	12 52.30	−23 46.4	1.794	2.527	17.9	17.3
3 2	12 48.38	−24 19.5	1.716	2.537	15.3	17.1
3 12	12 42.05	−24 26.9	1.655	2.547	12.2	17.0
3 22	12 33.97	−24 7.0	1.617	2.558	9.3	16.8
4 1	12 25.16	−23 20.8	1.604	2.568	7.4	16.7
4 11	12 16.79	−22 13.9	1.616	2.579	7.8	16.8
4 21	12 9.89	−20 54.6	1.654	2.590	10.1	16.9
5 1	12 5.20	−19 32.4	1.715	2.601	13.0	17.1

151861 2003 HB_{27} 3 28.3 80°.87 1°.8/30.3 18

2 21	12 50.71	−12 59.4	1.820	2.609	15.7	19.5
3 2	12 46.79	−12 10.8	1.750	2.628	12.3	19.4
3 12	12 40.80	−11 0.9	1.703	2.647	8.4	19.2
3 22	12 33.41	− 9 33.9	1.682	2.666	4.2	18.9
4 1	12 25.54	− 7 56.5	1.688	2.685	2.0	18.8
4 11	12 18.21	− 6 17.7	1.723	2.703	5.6	19.1
4 21	12 12.24	− 4 46.0	1.786	2.722	9.5	19.4
5 1	12 8.22	− 3 28.1	1.872	2.740	13.0	19.6

207394 2005 XL_{101} 3 28.3 228°.36 3°.5/25.0 18

2 21	12 55.09	+ 2 30.5	1.731	2.563	14.6	21.5
3 2	12 50.50	+ 3 32.5	1.644	2.553	11.1	21.2
3 12	12 43.44	+ 4 44.6	1.580	2.542	7.2	20.9
3 22	12 34.55	+ 5 59.9	1.543	2.531	3.8	20.7
4 1	12 24.81	+ 7 9.8	1.533	2.518	4.9	20.7
4 11	12 15.41	+ 8 6.1	1.551	2.506	8.9	21.0
4 21	12 7.40	+ 8 43.1	1.594	2.492	13.0	21.2
5 1	12 1.59	+ 8 58.4	1.658	2.478	16.6	21.4

461061 2014 YE_{13} 3 28.3 187°.39 4°.2/23.7 17

2 21	12 52.02	+ 5 57.0	2.051	2.885	12.5	21.1
3 2	12 47.66	+ 7 5.5	1.976	2.885	9.5	20.9
3 12	12 41.34	+ 8 19.0	1.925	2.884	6.3	20.7
3 22	12 33.64	+ 9 30.8	1.902	2.883	4.2	20.6
4 1	12 25.39	+10 33.7	1.907	2.882	5.4	20.6
4 11	12 17.51	+11 21.4	1.940	2.880	8.4	20.8
4 21	12 10.81	+11 50.5	1.998	2.878	11.6	21.0
5 1	12 5.91	+11 59.4	2.079	2.876	14.5	21.2

437579 2014 AX_{39} 3 28.3 21°.29 4°.2/ 1.6 17

2 21	12 51.03	−16 54.0	2.187	2.945	14.4	20.7
3 2	12 46.95	−17 11.2	2.097	2.946	11.8	20.5
3 12	12 40.93	−17 10.9	2.028	2.948	8.8	20.3
3 22	12 33.51	−16 52.9	1.985	2.950	5.9	20.1
4 1	12 25.47	−16 19.4	1.968	2.952	4.2	20.0
4 11	12 17.72	−15 34.7	1.979	2.954	5.6	20.1
4 21	12 11.07	−14 44.5	2.018	2.956	8.5	20.3
5 1	12 6.16	−13 55.1	2.081	2.958	11.5	20.5

245467 2005 MU_{52} 3 28.3 235°.20 3°.2/ 1.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 48.81	−17 13.4	2.634	3.382	12.4	20.9
3 2	12 44.98	−16 59.2	2.529	3.374	10.2	20.7
3 12	12 39.54	−16 28.0	2.446	3.366	7.5	20.5
3 22	12 32.94	−15 40.7	2.390	3.357	4.8	20.3
4 1	12 25.81	−14 40.0	2.362	3.348	3.2	20.2
4 11	12 18.88	−13 30.5	2.363	3.339	4.6	20.3
4 21	12 12.82	−12 17.8	2.393	3.330	7.4	20.4
5 1	12 8.18	−11 7.8	2.448	3.320	10.2	20.6

323854 2005 SA_{110} 3 28.3 281°.07 0°.2/28.1 17

2 21	12 53.06	− 4 32.4	1.758	2.575	15.0	21.2
3 2	12 48.99	− 4 15.6	1.662	2.560	11.6	21.0
3 12	12 42.52	− 3 45.3	1.588	2.545	7.5	20.7
3 22	12 34.22	− 3 4.7	1.539	2.530	3.0	20.4
4 1	12 25.01	− 2 19.3	1.518	2.515	1.9	20.2
4 11	12 16.05	− 1 35.7	1.524	2.500	6.7	20.5
4 21	12 8.39	− 1 0.1	1.556	2.485	11.2	20.7
5 1	12 2.85	− 0 37.4	1.610	2.469	15.2	20.9

464907 2005 SR_{189} 3 28.3 223°.77 0°.2/28.5 17

2 21	12 52.28	− 6 54.0	2.275	3.071	12.7	22.8
3 2	12 47.81	− 6 16.2	2.174	3.060	9.8	22.6
3 12	12 41.46	− 5 24.7	2.096	3.049	6.4	22.3
3 22	12 33.72	− 4 22.5	2.047	3.037	2.6	22.0
4 1	12 25.34	− 3 14.6	2.027	3.024	1.4	21.9
4 11	12 17.18	− 2 7.2	2.036	3.010	5.4	22.2
4 21	12 10.02	− 1 6.3	2.074	2.996	9.2	22.4
5 1	12 4.52	− 0 16.7	2.136	2.982	12.5	22.6

153903 2001 XR_{227} 3 28.3 191°.52 0°.2/28.1 17

2 21	12 52.77	− 4 55.4	1.874	2.687	14.4	20.6
3 2	12 48.46	− 4 32.0	1.790	2.686	11.1	20.4
3 12	12 41.98	− 3 55.6	1.729	2.686	7.1	20.2
3 22	12 33.93	− 3 9.9	1.695	2.686	2.8	19.9
4 1	12 25.23	− 2 20.1	1.688	2.685	1.8	19.8
4 11	12 16.90	− 1 32.8	1.709	2.684	6.2	20.1
4 21	12 9.84	− 0 53.7	1.757	2.683	10.3	20.3
5 1	12 4.77	− 0 27.1	1.828	2.682	13.8	20.5

42340 2002 AH_{23} 3 28.3 318°.50 5°.5/22.3 18

2 21	12 49.80	+ 7 28.1	1.786	2.633	13.5	18.9
3 2	12 46.26	+ 9 2.1	1.717	2.632	10.3	18.7
3 12	12 40.58	+10 41.4	1.672	2.630	7.1	18.5
3 22	12 33.38	+12 17.2	1.653	2.629	5.5	18.4
4 1	12 25.57	+13 39.8	1.662	2.628	7.0	18.5
4 11	12 18.18	+14 41.8	1.697	2.627	10.1	18.7
4 21	12 12.08	+15 19.0	1.756	2.626	13.4	18.9
5 1	12 7.96	+15 30.7	1.835	2.625	16.4	19.1

44200 1998 MJ_{25} 3 28.3 238°.16 0°.4/28.7 18

2 21	12 54.15	− 7 15.7	2.239	3.032	13.0	19.9
3 2	12 49.35	− 6 45.0	2.129	3.013	10.2	19.7
3 12	12 42.53	− 6 0.1	2.044	2.994	6.7	19.4
3 22	12 34.18	− 5 3.6	1.985	2.974	2.8	19.1
4 1	12 25.05	− 4 0.3	1.956	2.953	1.4	19.0
4 11	12 16.08	− 2 56.2	1.957	2.932	5.6	19.2
4 21	12 8.12	− 1 57.5	1.986	2.909	9.5	19.4
5 1	12 1.88	− 1 9.3	2.039	2.885	13.0	19.6

211484 2003 FP_{89} 3 28.3 249°.50 2°.3/31.1 17

2 21	12 48.47	−13 34.9	2.521	3.291	12.4	20.1
3 2	12 44.75	−13 16.9	2.421	3.285	9.9	19.9
3 12	12 39.40	−12 43.5	2.345	3.279	7.0	19.7
3 22	12 32.89	−11 56.1	2.294	3.273	4.0	19.5
4 1	12 25.85	−10 58.0	2.273	3.266	2.3	19.4
4 11	12 19.04	− 9 54.2	2.281	3.260	4.5	19.6
4 21	12 13.12	− 8 50.2	2.317	3.253	7.6	19.7
5 1	12 8.65	− 7 51.3	2.378	3.246	10.6	19.9

425064 2009 RD_{15} 3 28.3 109°.11 0°.2/28.1 16

2 21	12 51.98	− 5 58.5	2.005	2.812	13.8	21.9
3 2	12 47.58	− 5 15.7	1.933	2.826	10.5	21.8
3 12	12 41.24	− 4 19.3	1.884	2.840	6.7	21.5
3 22	12 33.59	− 3 13.7	1.863	2.854	2.6	21.3
4 1	12 25.46	− 2 5.0	1.870	2.867	1.7	21.3
4 11	12 17.79	− 0 59.9	1.906	2.880	5.8	21.6
4 21	12 11.35	− 0 4.3	1.969	2.893	9.5	21.8
5 1	12 6.73	+ 0 37.7	2.056	2.905	12.8	22.0

187958 2001 OR_{66} 3 28.3 144°.04 10°.7/ 9.8 17

2 21	12 52.97	−35 19.5	1.977	2.621	19.0	19.9
3 2	12 49.09	−36 4.4	1.887	2.623	17.1	19.8
3 12	12 42.64	−36 19.5	1.812	2.626	15.0	19.6
3 22	12 34.27	−36 0.3	1.756	2.628	12.9	19.5
4 1	12 25.02	−35 5.3	1.721	2.630	11.2	19.4
4 11	12 16.15	−33 37.8	1.711	2.632	10.7	19.3
4 21	12 8.77	−31 46.0	1.725	2.634	11.6	19.4
5 1	12 3.73	−29 40.9	1.763	2.635	13.4	19.5

2020	α_{2000}	δ_{2000}	Δ	r	β	V
519337 2011 FK_{159}			3 28.3 267°.25		2°.2/25.9 17	
	h m	° ′			°	m
2 21	12 50.44	− 0 3.0	2.038	2.864	12.9	21.8
3 2	12 46.61	+ 0 49.2	1.944	2.851	9.8	21.6
3 12	12 40.79	+ 1 51.8	1.875	2.837	6.2	21.3
3 22	12 33.49	+ 2 59.6	1.833	2.823	2.8	21.1
4 1	12 25.51	+ 4 6.0	1.819	2.809	3.4	21.1
4 11	12 17.78	+ 5 4.1	1.833	2.795	7.1	21.3
4 21	12 11.14	+ 5 48.5	1.873	2.781	10.9	21.5
5 1	12 6.27	+ 6 15.9	1.936	2.766	14.2	21.6
42967 1999 TR_{164}			3 28.3 297°.62		3°.6/30.7 18	
2 21	12 53.67	−11 43.7	1.500	2.303	17.9	19.6
3 2	12 50.14	−12 6.1	1.395	2.278	14.5	19.3
3 12	12 43.69	−12 9.4	1.310	2.253	10.4	19.0
3 22	12 34.84	−11 53.0	1.247	2.228	5.9	18.7
4 1	12 24.62	−11 18.9	1.209	2.203	3.6	18.5
4 11	12 14.43	−10 33.2	1.198	2.179	7.3	18.6
4 21	12 5.68	− 9 44.0	1.210	2.154	12.3	18.8
5 1	11 59.52	− 8 59.9	1.244	2.130	17.0	19.0
130122 1999 XZ_{90}			3 28.3 190°.89		2°.0/30.3 18	
2 21	12 54.30	−11 38.6	2.202	2.978	13.8	20.4
3 2	12 49.39	−11 22.5	2.107	2.977	10.9	20.2
3 12	12 42.48	−10 50.3	2.035	2.975	7.5	20.0
3 22	12 34.13	−10 3.8	1.990	2.972	3.9	19.7
4 1	12 25.14	− 9 6.7	1.973	2.969	2.1	19.6
4 11	12 16.44	− 8 5.0	1.986	2.964	5.2	19.8
4 21	12 8.87	− 7 4.7	2.027	2.959	8.8	20.0
5 1	12 3.07	− 6 11.5	2.094	2.954	12.1	20.2
215447 2002 NR_{45}			3 28.3 314°.90		5°.9/23.2 17	
2 21	12 49.77	+ 5 59.6	1.350	2.209	16.3	19.9
3 2	12 47.07	+ 7 20.7	1.270	2.193	12.5	19.7
3 12	12 41.57	+ 8 51.8	1.212	2.176	8.5	19.4
3 22	12 33.92	+10 22.6	1.178	2.160	6.0	19.2
4 1	12 25.25	+11 41.1	1.169	2.145	7.7	19.2
4 11	12 16.95	+12 36.7	1.183	2.130	11.9	19.4
4 21	12 10.28	+13 3.4	1.219	2.116	16.3	19.6
5 1	12 6.17	+12 59.7	1.274	2.102	20.2	19.8
246650 2008 YG_{22}			3 28.3 100°.33		5°.8/21.0 17	
2 21	12 50.64	+12 33.0	2.265	3.102	11.4	20.8
3 2	12 46.35	+13 56.7	2.211	3.116	8.8	20.7
3 12	12 40.36	+15 19.1	2.182	3.129	6.6	20.6
3 22	12 33.23	+16 33.0	2.182	3.143	5.8	20.5
4 1	12 25.73	+17 31.9	2.209	3.156	6.9	20.6
4 11	12 18.66	+18 11.4	2.263	3.169	9.2	20.8
4 21	12 12.70	+18 29.7	2.342	3.182	11.6	21.0
5 1	12 8.36	+18 27.2	2.441	3.194	13.8	21.2
341774 2007 WG_{3}			3 28.3 131°.09		0°.8/29.1 17	
2 21	12 52.81	− 6 47.2	2.372	3.165	12.4	21.1
3 2	12 48.01	− 6 42.0	2.287	3.171	9.6	20.9
3 12	12 41.46	− 6 26.0	2.227	3.177	6.3	20.7
3 22	12 33.69	− 6 1.6	2.194	3.183	2.8	20.5
4 1	12 25.44	− 5 32.0	2.191	3.188	1.3	20.4
4 11	12 17.50	− 5 1.6	2.217	3.193	4.8	20.7
4 21	12 10.60	− 4 34.5	2.270	3.199	8.2	20.9
5 1	12 5.30	− 4 14.3	2.349	3.203	11.2	21.1
211492 2003 NE_{7}			3 28.3 227°.01		0°.1/28.3 16	
2 21	12 56.05	− 5 24.3	2.046	2.846	13.8	21.4
3 2	12 50.95	− 5 0.6	1.944	2.833	10.7	21.2
3 12	12 43.63	− 4 23.9	1.866	2.820	7.0	20.9
3 22	12 34.64	− 3 37.0	1.815	2.805	2.8	20.6
4 1	12 24.83	− 2 45.0	1.793	2.790	1.7	20.5
4 11	12 15.24	− 1 54.1	1.800	2.773	6.1	20.8
4 21	12 6.82	− 1 9.9	1.834	2.756	10.2	21.0
5 1	12 0.32	− 0 37.4	1.893	2.738	13.8	21.2
292888 2006 VU_{30}			3 28.3 204°.76		2°.8/24.5 17	
2 21	12 51.47	+ 6 11.2	2.944	3.763	9.5	21.4
3 2	12 46.68	+ 6 49.1	2.857	3.758	7.2	21.2
3 12	12 40.47	+ 7 29.4	2.796	3.753	4.8	21.0
3 22	12 33.28	+ 8 8.3	2.764	3.747	2.9	20.9
4 1	12 25.68	+ 8 41.7	2.763	3.741	3.7	20.9
4 11	12 18.32	+ 9 6.0	2.791	3.734	6.0	21.1
4 21	12 11.75	+ 9 19.0	2.846	3.727	8.5	21.2
5 1	12 6.47	+ 9 19.3	2.926	3.719	10.8	21.4
24611 Svetochka			3 28.3 170°.67		1°.0/29.2 18	
2 21	12 55.34	− 9 16.2	1.800	2.597	15.6	18.5
3 2	12 50.52	− 8 44.0	1.716	2.601	12.2	18.3
3 12	12 43.35	− 7 53.5	1.655	2.604	8.1	18.0
3 22	12 34.51	− 6 48.2	1.619	2.607	3.6	17.8
4 1	12 24.95	− 5 34.0	1.612	2.609	1.7	17.6
4 11	12 15.83	− 4 18.9	1.633	2.610	6.1	17.9
4 21	12 8.11	− 3 10.6	1.681	2.611	10.4	18.2
5 1	12 2.53	− 2 15.2	1.752	2.610	14.2	18.4

2020	α_{2000}	δ_{2000}	Δ	r	β	V
86118 1999 RD_{138}			3 28.3 108°.40		1°.3/29.6 18	
	h m	° ′			°	m
2 21	12 54.67	− 8 31.4	2.151	2.940	13.6	19.6
3 2	12 49.52	− 8 25.8	2.076	2.956	10.6	19.4
3 12	12 42.45	− 8 7.2	2.025	2.972	7.1	19.2
3 22	12 34.08	− 7 37.8	2.001	2.987	3.3	19.0
4 1	12 25.23	− 7 1.5	2.005	3.002	1.6	18.9
4 11	12 16.82	− 6 23.3	2.039	3.017	5.1	19.2
4 21	12 9.62	− 5 48.1	2.100	3.031	8.6	19.4
5 1	12 4.22	− 5 20.1	2.187	3.045	11.7	19.6
191302 2003 GD_{32}			3 28.3 263°.51		3°.5/25.5 18	
2 21	12 56.13	+ 2 52.6	1.594	2.429	15.5	20.3
3 2	12 51.61	+ 3 35.1	1.501	2.411	11.8	20.0
3 12	12 44.36	+ 4 27.0	1.431	2.394	7.7	19.7
3 22	12 35.01	+ 5 21.8	1.387	2.376	3.9	19.5
4 1	12 24.61	+ 6 11.3	1.370	2.357	4.9	19.5
4 11	12 14.48	+ 6 47.7	1.379	2.338	9.2	19.7
4 21	12 5.83	+ 7 5.5	1.412	2.319	13.7	19.9
5 1	11 59.61	+ 7 2.3	1.466	2.300	17.7	20.1
160995 2002 CN_{218}			3 28.3 89°.46		0°.1/28.3 18	
2 21	12 57.49	− 4 59.1	1.515	2.333	17.0	20.0
3 2	12 52.32	− 4 45.5	1.451	2.349	13.0	19.8
3 12	12 44.53	− 4 17.3	1.409	2.366	8.4	19.6
3 22	12 34.94	− 3 38.8	1.392	2.383	3.3	19.3
4 1	12 24.74	− 2 56.0	1.402	2.399	1.9	19.3
4 11	12 15.21	− 2 16.2	1.439	2.415	6.9	19.6
4 21	12 7.45	− 1 45.5	1.501	2.431	11.4	19.9
5 1	12 2.15	− 1 28.0	1.585	2.446	15.3	20.2
415584 2014 QS_{302}			3 28.3 234°.01		1°.2/29.4 17	
2 21	12 52.98	−10 15.6	1.817	2.614	15.5	21.3
3 2	12 48.88	− 9 36.6	1.718	2.602	12.2	21.1
3 12	12 42.43	− 8 37.2	1.640	2.589	8.2	20.8
3 22	12 34.20	− 7 20.2	1.588	2.576	3.8	20.5
4 1	12 25.11	− 5 51.7	1.565	2.562	1.7	20.3
4 11	12 16.27	− 4 20.2	1.569	2.548	6.2	20.6
4 21	12 8.71	− 2 54.6	1.601	2.532	10.7	20.8
5 1	12 3.23	− 1 42.5	1.656	2.517	14.7	21.0
14522 1997 GS_{21}			3 28.3 214°.18		2°.9/25.7 18	
2 21	12 55.76	+ 2 54.7	1.942	2.766	13.5	18.9
3 2	12 50.69	+ 3 31.0	1.856	2.761	10.3	18.7
3 12	12 43.41	+ 4 14.0	1.795	2.755	6.6	18.5
3 22	12 34.53	+ 4 58.4	1.761	2.749	3.3	18.2
4 1	12 24.95	+ 5 38.0	1.755	2.742	4.0	18.3
4 11	12 15.72	+ 6 7.0	1.777	2.735	7.7	18.5
4 21	12 7.78	+ 6 21.6	1.826	2.728	11.4	18.7
5 1	12 1.84	+ 6 19.8	1.897	2.720	14.7	18.9
106862 2000 YZ_{26}			3 28.3 97°.18		1°.1/29.4 18	
2 21	12 52.36	−10 40.7	1.640	2.442	16.6	19.7
3 2	12 48.30	− 9 50.1	1.571	2.458	12.9	19.5
3 12	12 41.90	− 8 38.1	1.523	2.474	8.6	19.3
3 22	12 33.91	− 7 9.4	1.501	2.489	3.8	19.0
4 1	12 25.35	− 5 31.9	1.506	2.504	1.7	18.9
4 11	12 17.37	− 3 55.5	1.540	2.518	6.2	19.2
4 21	12 10.90	− 2 29.1	1.599	2.533	10.6	19.5
5 1	12 6.61	− 1 19.2	1.682	2.547	14.3	19.8
181944 1999 TN_{180}			3 28.3 208°.49		1°.3/26.9 17	
2 21	12 54.21	− 2 23.7	2.124	2.934	13.0	21.2
3 2	12 49.37	− 1 39.0	2.031	2.928	9.9	21.0
3 12	12 42.50	− 0 42.9	1.962	2.921	6.3	20.8
3 22	12 34.16	+ 0 20.0	1.921	2.913	2.5	20.5
4 1	12 25.17	+ 1 23.8	1.910	2.904	2.5	20.5
4 11	12 16.45	+ 2 22.0	1.928	2.894	6.4	20.7
4 21	12 8.86	+ 3 9.2	1.973	2.884	10.2	20.9
5 1	12 3.07	+ 3 41.7	2.042	2.873	13.5	21.1
304878 2007 RO_{158}			3 28.3 63°.71		1°.6/27.1 18	
2 21	12 54.93	− 2 2.6	1.373	2.209	17.4	20.5
3 2	12 50.58	− 1 28.1	1.315	2.224	13.2	20.3
3 12	12 43.50	− 0 40.1	1.277	2.240	8.3	20.1
3 22	12 34.56	+ 0 15.1	1.263	2.255	3.2	19.8
4 1	12 24.99	+ 1 9.2	1.276	2.271	3.1	19.8
4 11	12 16.15	+ 1 53.9	1.315	2.287	8.0	20.2
4 21	12 9.14	+ 2 23.6	1.377	2.303	12.6	20.5
5 1	12 4.68	+ 2 34.9	1.461	2.319	16.5	20.7
60137 1999 TC_{280}			3 28.3 254°.12		1°.0/27.1 18	
2 21	12 49.71	− 1 55.2	2.628	3.438	10.8	19.5
3 2	12 45.60	− 1 23.9	2.528	3.425	8.2	19.3
3 12	12 39.93	− 0 44.4	2.454	3.412	5.2	19.0
3 22	12 33.12	+ 0 0.2	2.407	3.399	2.0	18.8
4 1	12 25.79	+ 0 45.4	2.391	3.385	2.0	18.8
4 11	12 18.66	+ 1 26.9	2.404	3.372	5.2	19.0
4 21	12 12.36	+ 2 0.6	2.444	3.358	8.4	19.2
5 1	12 7.43	+ 2 23.7	2.510	3.344	11.2	19.3

5685 Sanenobufukui 3 28.3 4°.50 4°.9/ 1.8 18 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 50.56	−17 25.6	1.773	2.544	16.8	15.9
3 2	12 47.07	−17 43.6	1.687	2.544	13.8	15.7
3 12	12 41.25	−17 39.8	1.621	2.544	10.4	15.4
3 22	12 33.73	−17 14.0	1.579	2.545	6.9	15.2
4 1	12 25.43	−16 28.4	1.562	2.546	4.9	15.1
4 11	12 17.49	−15 28.9	1.571	2.548	6.4	15.2
4 21	12 10.89	−14 23.4	1.606	2.550	9.8	15.4
5 1	12 6.41	−13 19.9	1.665	2.552	13.3	15.6

78927 2003 SN_{128} 3 28.3 257°.36 1°.1/27.2 18

2 21	12 53.61	− 3 54.3	1.878	2.692	14.3	20.9
3 2	12 49.36	− 3 5.8	1.771	2.670	11.0	20.7
3 12	12 42.77	− 2 1.7	1.688	2.647	7.1	20.4
3 22	12 34.37	− 0 46.6	1.631	2.623	2.7	20.0
4 1	12 25.01	+ 0 32.8	1.603	2.598	2.5	20.0
4 11	12 15.80	+ 1 48.2	1.603	2.573	7.2	20.2
4 21	12 7.76	+ 2 52.1	1.630	2.547	11.6	20.4
5 1	12 1.74	+ 3 38.9	1.679	2.520	15.5	20.6

480262 2015 HR_{71} 3 28.3 266°.36 4°.0/24.1 17

2 21	12 53.44	+ 8 31.5	2.309	3.137	11.5	21.5
3 2	12 48.59	+ 9 6.1	2.224	3.129	8.8	21.3
3 12	12 41.90	+ 9 42.0	2.164	3.120	6.0	21.1
3 22	12 33.90	+10 14.1	2.131	3.111	4.1	21.0
4 1	12 25.35	+10 37.3	2.128	3.101	5.0	21.0
4 11	12 17.10	+10 47.5	2.152	3.092	7.7	21.2
4 21	12 9.92	+10 42.5	2.203	3.083	10.7	21.3
5 1	12 4.39	+10 21.8	2.276	3.074	13.4	21.5

88182 2000 XH_{37} 3 28.3 107°.23 0°.5/28.7 18

2 21	12 57.19	− 5 7.9	2.043	2.842	13.9	19.6
3 2	12 51.53	− 5 12.6	1.968	2.855	10.7	19.4
3 12	12 43.79	− 5 6.9	1.916	2.868	7.0	19.2
3 22	12 34.63	− 4 53.1	1.891	2.881	2.9	19.0
4 1	12 24.94	− 4 34.7	1.896	2.893	1.5	18.9
4 11	12 15.70	− 4 16.4	1.930	2.905	5.5	19.2
4 21	12 7.78	− 4 2.0	1.991	2.917	9.3	19.4
5 1	12 1.80	− 3 55.1	2.076	2.929	12.5	19.7

244847 2003 UR_{134} 3 28.3 174°.82 1°.7/30.0 17

2 21	12 54.79	−11 2.8	2.204	2.981	13.7	21.9
3 2	12 49.71	−10 40.5	2.114	2.985	10.8	21.7
3 12	12 42.66	−10 2.1	2.046	2.988	7.4	21.5
3 22	12 34.21	− 9 10.1	2.006	2.990	3.7	21.2
4 1	12 25.17	− 8 8.6	1.995	2.991	1.9	21.1
4 11	12 16.46	− 7 3.6	2.014	2.992	5.1	21.3
4 21	12 8.90	− 6 1.4	2.061	2.991	8.8	21.5
5 1	12 3.13	− 5 7.4	2.133	2.990	12.0	21.7

350949 2002 VU_{133} 3 28.3 148°.10 0°.7/27.7 18

2 21	12 55.99	− 5 10.2	1.689	2.502	15.7	21.9
3 2	12 51.04	− 4 21.0	1.615	2.512	12.0	21.7
3 12	12 43.68	− 3 15.8	1.564	2.521	7.7	21.4
3 22	12 34.64	− 2 0.2	1.538	2.530	2.9	21.1
4 1	12 24.94	− 0 41.6	1.541	2.538	2.3	21.1
4 11	12 15.78	+ 0 31.1	1.573	2.545	7.0	21.4
4 21	12 8.14	+ 1 31.0	1.630	2.551	11.3	21.7
5 1	12 2.75	+ 2 13.4	1.710	2.556	15.0	21.9

361111 2006 DR_{211} 3 28.3 16°.10 1°.1/28.9 14 C

2 21	12 53.38	− 6 14.0	1.172	2.011	19.7	20.9
3 2	12 50.04	− 6 21.9	1.106	2.014	15.3	20.6
3 12	12 43.54	− 6 11.5	1.058	2.018	10.1	20.3
3 22	12 34.70	− 5 46.0	1.032	2.023	4.4	20.0
4 1	12 24.89	− 5 11.3	1.030	2.028	2.1	19.8
4 11	12 15.74	− 4 35.9	1.053	2.035	7.8	20.2
4 21	12 8.60	− 4 7.8	1.098	2.042	13.2	20.5
5 1	12 4.38	− 3 52.9	1.162	2.050	17.8	20.8

134727 2000 AR_{68} 3 28.3 150°.64 3°.9/24.4 18

2 21	12 54.47	+ 4 34.5	1.903	2.734	13.5	20.0
3 2	12 49.61	+ 5 38.8	1.833	2.741	10.2	19.8
3 12	12 42.63	+ 6 49.1	1.788	2.748	6.6	19.6
3 22	12 34.20	+ 7 58.4	1.770	2.754	4.0	19.4
4 1	12 25.21	+ 8 59.3	1.780	2.760	5.1	19.5
4 11	12 16.71	+ 9 45.2	1.819	2.765	8.4	19.7
4 21	12 9.53	+10 12.6	1.882	2.770	11.8	19.9
5 1	12 4.34	+10 20.1	1.967	2.774	14.8	20.1

375262 2008 GT_{130} 3 28.3 250°.48 2°.9/25.4 17

2 21	12 52.09	+ 1 40.0	1.909	2.739	13.5	21.8
3 2	12 47.99	+ 2 35.0	1.821	2.729	10.2	21.5
3 12	12 41.74	+ 3 39.5	1.756	2.718	6.5	21.3
3 22	12 33.91	+ 4 47.5	1.718	2.707	3.3	21.1
4 1	12 25.35	+ 5 51.7	1.708	2.695	4.1	21.1
4 11	12 17.10	+ 6 45.1	1.726	2.684	7.9	21.3
4 21	12 10.05	+ 7 22.3	1.769	2.672	11.7	21.5
5 1	12 4.92	+ 7 40.7	1.835	2.660	15.1	21.7

284633 2007 VS_{265} 3 28.3 76°.64 1°.7/30.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 50.32	−10 46.5	2.219	3.005	13.3	20.8
3 2	12 46.23	−10 30.2	2.141	3.018	10.4	20.6
3 12	12 40.36	− 9 59.2	2.087	3.030	7.1	20.4
3 22	12 33.29	− 9 15.7	2.059	3.043	3.6	20.2
4 1	12 25.76	− 8 23.9	2.059	3.055	1.8	20.1
4 11	12 18.60	− 7 29.2	2.088	3.068	4.8	20.3
4 21	12 12.53	− 6 37.1	2.145	3.080	8.2	20.6
5 1	12 8.11	− 5 52.5	2.226	3.092	11.3	20.8

330414 2007 BQ_{63} 3 28.3 338°.06 1°.2/29.3 17

2 21	12 50.38	− 8 35.9	1.588	2.404	16.4	20.9
3 2	12 47.10	− 8 19.1	1.504	2.399	12.9	20.6
3 12	12 41.36	− 7 43.7	1.441	2.395	8.6	20.4
3 22	12 33.80	− 6 52.7	1.402	2.391	3.9	20.1
4 1	12 25.43	− 5 51.9	1.389	2.387	1.8	19.9
4 11	12 17.42	− 4 49.2	1.403	2.383	6.5	20.2
4 21	12 10.86	− 3 52.5	1.442	2.380	11.1	20.5
5 1	12 6.52	− 3 8.5	1.502	2.378	15.2	20.7

488782 2004 VM_{30} 3 28.3 214°.79 0°.9/27.2 17

2 21	12 52.19	− 2 42.6	2.500	3.305	11.5	22.8
3 2	12 47.55	− 2 3.7	2.403	3.297	8.7	22.6
3 12	12 41.21	− 1 15.3	2.331	3.288	5.5	22.4
3 22	12 33.65	− 0 20.9	2.287	3.278	2.1	22.1
4 1	12 25.53	+ 0 34.8	2.273	3.268	2.0	22.1
4 11	12 17.64	+ 1 26.5	2.289	3.257	5.5	22.3
4 21	12 10.67	+ 2 9.7	2.333	3.245	8.8	22.5
5 1	12 5.20	+ 2 41.1	2.402	3.233	11.7	22.7

347374 2012 RM_{10} 3 28.3 140°.23 0°.4/28.7 17

2 21	12 51.34	− 6 29.5	2.188	2.990	13.0	21.3
3 2	12 47.07	− 6 7.9	2.104	2.994	10.0	21.1
3 12	12 40.96	− 5 34.0	2.044	2.997	6.5	20.9
3 22	12 33.55	− 4 50.8	2.010	3.000	2.7	20.7
4 1	12 25.61	− 4 2.8	2.005	3.002	1.4	20.6
4 11	12 18.01	− 3 15.4	2.029	3.005	5.2	20.9
4 21	12 11.49	− 2 33.7	2.080	3.008	8.9	21.1
5 1	12 6.65	− 2 1.9	2.156	3.010	12.0	21.3

165906 2001 SM_{323} 3 28.3 59°.75 4°.2/ 2.6 18

2 21	12 49.04	−20 4.1	2.092	2.840	15.3	19.8
3 2	12 45.39	−19 41.3	2.019	2.860	12.5	19.7
3 12	12 39.87	−18 55.8	1.967	2.881	9.4	19.5
3 22	12 33.10	−17 49.2	1.939	2.901	6.2	19.3
4 1	12 25.90	−16 25.8	1.939	2.922	4.3	19.2
4 11	12 19.17	−14 52.6	1.967	2.943	5.4	19.4
4 21	12 13.63	−13 17.5	2.022	2.964	8.2	19.6
5 1	12 9.83	−11 48.1	2.104	2.985	11.2	19.8

299299 2005 QL_{31} 3 28.3 196°.25 4°.4/ 3.9 18

2 21	12 50.30	−23 21.7	3.289	3.983	11.2	21.6
3 2	12 45.84	−23 27.2	3.181	3.979	9.5	21.4
3 12	12 39.98	−23 17.3	3.096	3.976	7.6	21.3
3 22	12 33.14	−22 51.6	3.036	3.971	5.7	21.2
4 1	12 25.85	−22 11.3	3.004	3.966	4.5	21.1
4 11	12 18.74	−21 19.3	3.002	3.961	4.8	21.1
4 21	12 12.36	−20 19.7	3.029	3.955	6.4	21.2
5 1	12 7.20	−19 17.3	3.082	3.949	8.4	21.3

70370 1999 RS_{205} 3 28.3 199°.29 3°.4/ 1.1 18

2 21	12 52.47	−16 9.9	2.458	3.209	13.2	19.8
3 2	12 47.87	−16 8.9	2.358	3.206	10.7	19.6
3 12	12 41.47	−15 51.4	2.280	3.202	7.9	19.4
3 22	12 33.77	−15 17.9	2.229	3.198	5.0	19.2
4 1	12 25.48	−14 30.7	2.206	3.193	3.4	19.1
4 11	12 17.41	−13 34.6	2.212	3.188	5.0	19.2
4 21	12 10.33	−12 34.9	2.247	3.182	7.9	19.3
5 1	12 4.84	−11 37.5	2.307	3.176	10.8	19.5

343040 2009 BC_{148} 3 28.3 7°.78 3°.8/ 1.1 17

2 21	12 51.82	−15 19.7	2.155	2.920	14.3	20.7
3 2	12 47.61	−15 38.4	2.065	2.921	11.7	20.5
3 12	12 41.41	−15 40.4	1.996	2.921	8.6	20.3
3 22	12 33.77	−15 26.0	1.952	2.921	5.5	20.1
4 1	12 25.48	−14 57.1	1.935	2.922	3.8	20.0
4 11	12 17.48	−14 18.0	1.947	2.923	5.5	20.1
4 21	12 10.59	−13 34.4	1.986	2.924	8.6	20.3
5 1	12 5.48	−12 52.1	2.049	2.925	11.7	20.5

91789 1999 TH_{221} 3 28.3 167°.86 3°.2/24.8 18

2 21	12 54.16	+ 5 27.1	2.391	3.212	11.4	20.0
3 2	12 48.98	+ 6 7.6	2.314	3.216	8.6	19.8
3 12	12 42.07	+ 6 51.6	2.262	3.220	5.6	19.7
3 22	12 33.96	+ 7 34.1	2.238	3.223	3.3	19.5
4 1	12 25.40	+ 8 10.2	2.245	3.225	4.1	19.6
4 11	12 17.19	+ 8 35.4	2.280	3.227	6.9	19.7
4 21	12 10.04	+ 8 47.1	2.342	3.229	9.9	19.9
5 1	12 4.50	+ 8 44.2	2.428	3.230	12.5	20.1

127138 2002 GD_{112} 3 28.3 298°.20 2°.5/25.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 49.82	+ 0 10.9	1.850	2.683	13.7	20.0
3 2	12 46.30	+ 1 6.7	1.765	2.675	10.4	19.7
3 12	12 40.67	+ 2 13.4	1.704	2.667	6.6	19.5
3 22	12 33.50	+ 3 25.2	1.669	2.659	3.0	19.2
4 1	12 25.65	+ 4 34.5	1.662	2.651	3.7	19.3
4 11	12 18.12	+ 5 33.8	1.682	2.644	7.6	19.5
4 21	12 11.81	+ 6 17.7	1.727	2.636	11.5	19.7
5 1	12 7.40	+ 6 42.6	1.795	2.629	14.9	19.9

384056 2008 UU_{274} 3 28.3 233°.79 1°.1/27.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 52.36	− 1 40.6	2.171	2.986	12.6	21.5
3 2	12 47.91	− 1 12.8	2.081	2.980	9.6	21.3
3 12	12 41.55	− 0 35.8	2.015	2.974	6.1	21.1
3 22	12 33.81	+ 0 6.7	1.976	2.967	2.4	20.8
4 1	12 25.47	+ 0 49.6	1.966	2.960	2.3	20.8
4 11	12 17.40	+ 1 27.6	1.984	2.953	6.1	21.0
4 21	12 10.41	+ 1 56.3	2.030	2.946	9.7	21.2
5 1	12 5.14	+ 2 12.6	2.099	2.938	12.9	21.4

460383 2014 ST_{43} 3 28.3 115°.98 3°.2/25.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 55.34	+ 2 36.2	1.871	2.698	13.9	22.3
3 2	12 50.20	+ 3 35.5	1.810	2.716	10.4	22.1
3 12	12 42.96	+ 4 41.8	1.773	2.733	6.6	21.9
3 22	12 34.32	+ 5 48.5	1.763	2.750	3.5	21.8
4 1	12 25.22	+ 6 48.3	1.781	2.766	4.3	21.8
4 11	12 16.69	+ 7 35.0	1.828	2.782	7.8	22.1
4 21	12 9.57	+ 8 4.6	1.900	2.797	11.3	22.3
5 1	12 4.45	+ 8 15.8	1.995	2.811	14.3	22.6

231752 1999 TF_{173} 3 28.3 114°.94 1°.1/29.5 18 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 52.58	− 9 8.2	2.253	3.041	13.1	21.1
3 2	12 47.88	− 8 46.0	2.177	3.056	10.2	21.0
3 12	12 41.39	− 8 10.1	2.125	3.071	6.8	20.8
3 22	12 33.70	− 7 23.3	2.099	3.086	3.1	20.6
4 1	12 25.57	− 6 30.0	2.103	3.101	1.5	20.5
4 11	12 17.84	− 5 35.7	2.137	3.115	4.9	20.7
4 21	12 11.23	− 4 45.6	2.198	3.128	8.3	21.0
5 1	12 6.29	− 4 4.1	2.284	3.141	11.4	21.2

503526 2016 FL_{17} 3 28.3 262°.06 1°.0/29.0 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 58.59	− 5 39.8	1.938	2.736	14.6	21.7
3 2	12 53.11	− 5 57.8	1.834	2.720	11.4	21.5
3 12	12 45.17	− 6 5.4	1.753	2.703	7.6	21.2
3 22	12 35.34	− 6 4.0	1.698	2.686	3.4	20.9
4 1	12 24.53	− 5 56.2	1.672	2.669	1.7	20.8
4 11	12 13.88	− 5 46.2	1.675	2.652	6.1	21.0
4 21	12 4.47	− 5 38.5	1.705	2.634	10.4	21.2
5 1	11 57.16	− 5 37.0	1.760	2.616	14.2	21.4

111602 2002 AP_{81} 3 28.3 113°.95 2°.6/25.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 53.58	+ 1 48.2	2.188	3.009	12.3	19.9
3 2	12 48.56	+ 2 50.8	2.127	3.030	9.2	19.8
3 12	12 41.77	+ 4 0.1	2.091	3.051	5.8	19.6
3 22	12 33.83	+ 5 10.1	2.083	3.071	2.9	19.4
4 1	12 25.51	+ 6 14.7	2.105	3.091	3.7	19.5
4 11	12 17.69	+ 7 8.0	2.157	3.110	6.8	19.7
4 21	12 11.04	+ 7 46.5	2.235	3.128	10.0	20.0
5 1	12 6.10	+ 8 8.3	2.336	3.146	12.7	20.2

470892 2009 BH_{166} 3 28.3 245°.23 2°.2/25.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 48.60	+ 0 18.4	2.268	3.094	11.8	21.3
3 2	12 44.95	+ 1 19.0	2.184	3.090	8.9	21.1
3 12	12 39.59	+ 2 28.5	2.125	3.087	5.6	20.9
3 22	12 33.02	+ 3 41.7	2.094	3.084	2.6	20.7
4 1	12 25.95	+ 4 52.4	2.092	3.080	3.3	20.8
4 11	12 19.17	+ 5 54.5	2.118	3.077	6.6	21.0
4 21	12 13.37	+ 6 43.1	2.171	3.073	9.8	21.2
5 1	12 9.11	+ 7 15.6	2.247	3.069	12.7	21.3

309816 2009 BE_{105} 3 28.3 31°.57 2°.4/30.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 52.49	−10 27.0	1.321	2.139	19.0	20.7
3 2	12 49.07	−10 25.1	1.250	2.145	15.0	20.5
3 12	12 42.78	−10 1.0	1.199	2.151	10.3	20.2
3 22	12 34.40	− 9 17.1	1.171	2.157	5.2	19.9
4 1	12 25.15	− 8 19.3	1.167	2.164	2.6	19.8
4 11	12 16.48	− 7 16.6	1.189	2.172	7.1	20.1
4 21	12 9.63	− 6 18.5	1.235	2.179	12.0	20.4
5 1	12 5.42	− 5 32.6	1.301	2.188	16.3	20.7

349406 2007 YU_{27} 3 28.3 150°.78 4°.3/22.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 51.10	+10 6.7	2.597	3.426	10.4	21.4
3 2	12 46.55	+11 1.7	2.527	3.431	7.9	21.3
3 12	12 40.45	+11 56.9	2.484	3.436	5.6	21.1
3 22	12 33.32	+12 47.3	2.468	3.440	4.3	21.0
4 1	12 25.81	+13 27.7	2.482	3.445	5.3	21.1
4 11	12 18.62	+13 54.2	2.524	3.449	7.5	21.2
4 21	12 12.39	+14 5.0	2.592	3.453	10.0	21.4
5 1	12 7.60	+13 59.5	2.683	3.456	12.2	21.6

500725 2012 XP_{43} 3 28.3 145°.75 4°.0/23.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 51.19	+ 9 16.7	2.584	3.413	10.4	21.5
3 2	12 46.63	+10 6.6	2.514	3.418	7.9	21.3
3 12	12 40.51	+10 57.3	2.469	3.423	5.5	21.2
3 22	12 33.35	+11 43.7	2.453	3.427	4.1	21.1
4 1	12 25.80	+12 20.9	2.465	3.432	5.0	21.2
4 11	12 18.59	+12 45.0	2.506	3.436	7.3	21.3
4 21	12 12.33	+12 54.1	2.573	3.440	9.8	21.5
5 1	12 7.51	+12 47.6	2.663	3.444	12.1	21.6

309380 2007 TG_{132} 3 28.3 100°.62 1°.5/27.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 56.54	− 1 46.9	1.660	2.482	15.6	20.9
3 2	12 51.38	− 1 12.8	1.596	2.499	11.8	20.7
3 12	12 43.84	− 0 27.5	1.556	2.516	7.4	20.5
3 22	12 34.70	+ 0 23.7	1.541	2.533	2.9	20.3
4 1	12 25.02	+ 1 13.8	1.555	2.549	2.8	20.3
4 11	12 15.98	+ 1 56.0	1.596	2.565	7.2	20.6
4 21	12 8.52	+ 2 25.3	1.662	2.581	11.3	20.9
5 1	12 3.32	+ 2 38.8	1.751	2.596	14.8	21.1

416942 2005 SW_{132} 3 28.3 71°.61 1°.6/29.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 53.31	−11 53.8	1.783	2.574	15.9	21.3
3 2	12 48.69	−11 10.2	1.727	2.606	12.4	21.1
3 12	12 41.98	−10 7.2	1.693	2.638	8.3	20.9
3 22	12 33.92	− 8 49.0	1.685	2.670	4.0	20.7
4 1	12 25.51	− 7 22.6	1.705	2.702	1.9	20.6
4 11	12 17.75	− 5 56.4	1.753	2.733	5.6	21.0
4 21	12 11.46	− 4 38.1	1.829	2.764	9.4	21.2
5 1	12 7.19	− 3 33.3	1.929	2.794	12.8	21.5

157294 2004 RP_{323} 3 28.3 123°.48 3°.3/ 1.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 50.53	−17 11.5	2.145	2.903	14.6	20.1
3 2	12 46.54	−16 42.5	2.060	2.913	11.8	19.9
3 12	12 40.65	−15 52.4	1.997	2.922	8.6	19.7
3 22	12 33.45	−14 43.2	1.959	2.931	5.3	19.5
4 1	12 25.75	−13 19.1	1.950	2.940	3.3	19.4
4 11	12 18.42	−11 47.2	1.970	2.948	5.1	19.5
4 21	12 12.25	−10 15.1	2.017	2.957	8.4	19.8
5 1	12 7.82	− 8 50.1	2.091	2.965	11.6	20.0

315324 2007 TP_{354} 3 28.3 168°.04 5°.1/22.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 54.77	+ 8 15.8	2.020	2.852	12.8	21.3
3 2	12 49.78	+ 9 40.6	1.951	2.858	9.7	21.1
3 12	12 42.74	+11 8.7	1.908	2.862	6.8	20.9
3 22	12 34.28	+12 32.4	1.892	2.866	5.1	20.8
4 1	12 25.28	+13 43.5	1.905	2.869	6.4	20.9
4 11	12 16.71	+14 35.9	1.945	2.871	9.3	21.1
4 21	12 9.42	+15 6.2	2.011	2.873	12.3	21.2
5 1	12 4.02	+15 14.2	2.098	2.873	15.1	21.4

205840 2002 EC_{26} 3 28.3 84°.53 4°.4/31.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 55.59	−14 43.9	1.518	2.304	18.4	20.2
3 2	12 51.19	−15 3.9	1.443	2.312	14.9	19.9
3 12	12 44.04	−15 1.6	1.387	2.320	10.9	19.7
3 22	12 34.89	−14 37.0	1.354	2.329	6.7	19.5
4 1	12 24.90	−13 53.2	1.346	2.337	4.4	19.4
4 11	12 15.42	−12 57.4	1.365	2.344	6.9	19.5
4 21	12 7.64	−11 58.2	1.410	2.352	11.0	19.8
5 1	12 2.40	−11 4.1	1.476	2.360	14.9	20.0

353287 2010 GA_{78} 3 28.3 128°.63 7°.8/ 8.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 53.07	−32 36.1	2.785	3.417	14.2	20.7
3 2	12 48.36	−33 20.4	2.692	3.425	12.6	20.6
3 12	12 41.82	−33 44.0	2.619	3.432	10.9	20.5
3 22	12 33.94	−33 44.8	2.567	3.440	9.3	20.3
4 1	12 25.45	−33 22.2	2.539	3.447	8.1	20.3
4 11	12 17.22	−32 38.4	2.538	3.454	7.9	20.3
4 21	12 9.99	−31 38.2	2.563	3.461	8.7	20.3
5 1	12 4.40	−30 27.8	2.613	3.467	10.2	20.4

421963 2014 QQ_{281} 3 28.3 151°.88 2°.0/26.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 55.14	− 0 5.7	2.056	2.873	13.2	21.9
3 2	12 50.00	+ 0 39.6	1.981	2.882	9.9	21.7
3 12	12 42.85	+ 1 33.7	1.931	2.890	6.3	21.5
3 22	12 34.32	+ 2 31.5	1.908	2.898	2.7	21.3
4 1	12 25.28	+ 3 26.8	1.914	2.905	3.1	21.3
4 11	12 16.67	+ 4 13.7	1.949	2.912	6.7	21.6
4 21	12 9.31	+ 4 47.7	2.011	2.917	10.3	21.8
5 1	12 3.80	+ 5 6.3	2.097	2.922	13.4	22.0

390704 2003 CJ_{26} 3 28.3 292°.13 3°.0/31.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 52.09	−13 7.2	2.324	3.094	13.3	21.0
3 2	12 47.68	−13 22.1	2.229	3.091	10.7	20.8
3 12	12 41.41	−13 22.7	2.157	3.088	7.7	20.6
3 22	12 33.80	−13 9.6	2.110	3.086	4.6	20.4
4 1	12 25.56	−12 44.9	2.092	3.083	3.0	20.3
4 11	12 17.57	−12 12.7	2.103	3.080	5.0	20.4
4 21	12 10.59	−11 37.6	2.141	3.077	8.2	20.6
5 1	12 5.25	−11 4.7	2.204	3.074	11.2	20.7

326185 2012 BN_{139} 3 28.3 94°.51 1°.7/29.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 58.10	− 9 5.8	1.739	2.533	16.1	21.6
3 2	12 52.51	− 9 6.6	1.673	2.554	12.6	21.4
3 12	12 44.56	− 8 51.5	1.629	2.576	8.5	21.2
3 22	12 35.00	− 8 22.9	1.611	2.597	4.1	21.0
4 1	12 24.91	− 7 45.1	1.621	2.618	2.0	20.9
4 11	12 15.44	− 7 4.5	1.659	2.638	5.9	21.2
4 21	12 7.55	− 6 27.1	1.724	2.658	10.0	21.5
5 1	12 1.91	− 5 58.0	1.812	2.677	13.5	21.7

219761 2001 YR_{76} 3 28.3 51°.42 2°.6/30.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 53.17	−11 15.9	1.660	2.458	16.6	19.9
3 2	12 49.02	−11 20.5	1.587	2.469	13.1	19.7
3 12	12 42.48	−11 6.7	1.535	2.479	9.1	19.5
3 22	12 34.25	−10 36.2	1.507	2.490	4.9	19.3
4 1	12 25.34	− 9 53.2	1.506	2.501	2.7	19.2
4 11	12 16.94	− 9 4.5	1.532	2.513	6.0	19.4
4 21	12 10.04	− 8 17.0	1.584	2.524	10.1	19.7
5 1	12 5.35	− 7 37.1	1.658	2.536	13.8	19.9

144777 2004 HR_{27} 3 28.3 338°.57 0°.1/28.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 47.40	− 7 14.4	2.086	2.896	13.3	20.2
3 2	12 44.24	− 6 27.6	1.998	2.892	10.2	20.0
3 12	12 39.25	− 5 25.5	1.933	2.889	6.6	19.7
3 22	12 32.95	− 4 12.1	1.895	2.886	2.6	19.5
4 1	12 26.10	− 2 53.4	1.885	2.883	1.5	19.4
4 11	12 19.54	− 1 36.5	1.904	2.880	5.6	19.6
4 21	12 14.03	− 0 27.8	1.950	2.878	9.3	19.9
5 1	12 10.18	+ 0 27.5	2.019	2.876	12.6	20.1

499839 2011 EC_{10} 3 28.3 295°.87 4°.8/23.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 48.91	+ 4 2.7	1.752	2.597	13.8	21.1
3 2	12 45.95	+ 5 38.7	1.654	2.569	10.5	20.8
3 12	12 40.69	+ 7 27.5	1.579	2.542	7.0	20.5
3 22	12 33.64	+ 9 20.5	1.531	2.514	4.8	20.3
4 1	12 25.66	+11 7.3	1.510	2.486	6.4	20.4
4 11	12 17.84	+12 37.3	1.517	2.458	10.2	20.5
4 21	12 11.20	+13 43.2	1.547	2.430	14.2	20.7
5 1	12 6.58	+14 21.5	1.597	2.402	17.8	20.8

458760 2011 SD_{10} 3 28.3 172°.34 0°.4/27.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 47.93	− 6 0.4	2.873	3.669	10.4	22.2
3 2	12 44.08	− 4 55.2	2.783	3.672	7.9	22.0
3 12	12 38.88	− 3 38.7	2.719	3.674	5.0	21.8
3 22	12 32.75	− 2 14.9	2.684	3.675	1.9	21.6
4 1	12 26.25	− 0 48.6	2.681	3.677	1.5	21.6
4 11	12 19.99	+ 0 34.4	2.708	3.678	4.6	21.8
4 21	12 14.51	+ 1 49.5	2.765	3.678	7.5	22.0
5 1	12 10.25	+ 2 52.8	2.847	3.679	10.1	22.2

91519 1999 RT_{180} 3 28.3 170°.63 0°.1/28.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 55.94	− 3 55.1	2.387	3.184	12.2	20.3
3 2	12 50.42	− 3 49.3	2.299	3.187	9.4	20.1
3 12	12 43.07	− 3 34.8	2.237	3.190	6.0	19.9
3 22	12 34.43	− 3 14.0	2.202	3.192	2.4	19.7
4 1	12 25.27	− 2 50.5	2.197	3.194	1.4	19.6
4 11	12 16.42	− 2 28.3	2.222	3.195	5.1	19.9
4 21	12 8.63	− 2 11.1	2.275	3.196	8.6	20.1
5 1	12 2.50	− 2 1.8	2.354	3.196	11.6	20.3

431889 2008 SL_{264} 3 28.3 237°.36 1°.5/26.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 50.88	− 1 46.7	2.100	2.919	12.8	21.9
3 2	12 46.88	− 1 2.0	2.011	2.913	9.7	21.7
3 12	12 40.95	− 0 6.5	1.947	2.907	6.2	21.4
3 22	12 33.64	+ 0 54.9	1.909	2.901	2.5	21.2
4 1	12 25.72	+ 1 56.5	1.901	2.894	2.6	21.2
4 11	12 18.09	+ 2 51.8	1.921	2.888	6.4	21.4
4 21	12 11.55	+ 3 35.7	1.967	2.881	10.1	21.6
5 1	12 6.74	+ 4 4.7	2.037	2.874	13.3	21.8

418050 2007 VL_{121} 3 28.3 271°.11 2°.0/26.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 57.92	+ 0 4.2	1.708	2.530	15.2	21.2
3 2	12 53.02	+ 0 26.4	1.601	2.504	11.7	20.9
3 12	12 45.38	+ 0 58.9	1.517	2.477	7.6	20.6
3 22	12 35.56	+ 1 37.3	1.458	2.449	3.2	20.3
4 1	12 24.52	+ 2 15.3	1.428	2.421	3.3	20.2
4 11	12 13.57	+ 2 46.1	1.425	2.392	8.1	20.4
4 21	12 3.94	+ 3 3.8	1.447	2.363	12.9	20.6
5 1	11 56.65	+ 3 4.9	1.492	2.333	17.1	20.8

326333 2000 KX_4 3 28.3 267°.67 5°.1/22.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 56.31	+10 6.4	2.345	3.169	11.5	21.3
3 2	12 51.06	+11 11.6	2.234	3.135	9.0	21.0
3 12	12 43.74	+12 20.2	2.149	3.100	6.5	20.8
3 22	12 34.80	+13 25.6	2.093	3.063	5.1	20.7
4 1	12 25.00	+14 20.8	2.065	3.026	6.3	20.7
4 11	12 15.27	+14 59.9	2.067	2.988	9.1	20.8
4 21	12 6.48	+15 19.2	2.094	2.949	12.2	20.9
5 1	11 59.39	+15 17.5	2.143	2.909	15.1	21.0

425222 2009 VS_{67} 3 28.3 63°.16 2°.6/30.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 51.65	−12 24.2	1.842	2.631	15.6	21.3
3 2	12 47.72	−12 17.3	1.761	2.636	12.4	21.1
3 12	12 41.59	−11 51.8	1.701	2.642	8.6	20.9
3 22	12 33.91	−11 9.5	1.666	2.647	4.7	20.6
4 1	12 25.58	−10 14.6	1.658	2.652	2.6	20.5
4 11	12 17.65	− 9 13.8	1.678	2.658	5.6	20.7
4 21	12 11.02	− 8 14.1	1.724	2.664	9.5	20.9
5 1	12 6.40	− 7 22.0	1.794	2.669	13.1	21.2

292286 2006 SG_{131} 3 28.3 87°.63 1°.5/26.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 48.43	− 2 23.1	2.311	3.129	11.9	20.5
3 2	12 44.71	− 1 14.8	2.240	3.142	8.9	20.3
3 12	12 39.37	+ 0 3.7	2.195	3.156	5.5	20.2
3 22	12 32.96	+ 1 27.0	2.178	3.169	2.2	19.9
4 1	12 26.16	+ 2 48.9	2.190	3.182	2.6	20.0
4 11	12 19.73	+ 4 3.0	2.232	3.196	5.9	20.2
4 21	12 14.30	+ 5 4.3	2.301	3.209	9.1	20.5
5 1	12 10.36	+ 5 49.9	2.394	3.222	11.9	20.7

508588 2017 OT_{49} 3 28.3 213°.39 1°.5/29.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 53.53	−10 9.2	2.499	3.275	12.3	22.8
3 2	12 48.66	− 9 55.5	2.396	3.267	9.7	22.6
3 12	12 42.00	− 9 28.6	2.316	3.258	6.6	22.4
3 22	12 34.05	− 8 50.2	2.264	3.248	3.3	22.2
4 1	12 25.49	− 8 3.4	2.241	3.238	1.7	22.0
4 11	12 17.13	− 7 13.0	2.249	3.226	4.7	22.2
4 21	12 9.70	− 6 24.1	2.285	3.215	8.1	22.4
5 1	12 3.83	− 5 41.2	2.347	3.202	11.2	22.6

421296 2013 TM_{13} 3 28.3 73°.58 2°.0/26.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 53.71	+ 0 30.1	1.856	2.682	14.0	21.0
3 2	12 49.21	+ 0 58.3	1.777	2.682	10.6	20.8
3 12	12 42.52	+ 1 35.0	1.721	2.683	6.7	20.5
3 22	12 34.28	+ 2 15.2	1.692	2.683	2.9	20.3
4 1	12 25.40	+ 2 53.2	1.691	2.684	3.2	20.3
4 11	12 16.92	+ 3 23.1	1.718	2.684	7.1	20.5
4 21	12 9.77	+ 3 40.6	1.770	2.685	11.0	20.8
5 1	12 4.60	+ 3 43.3	1.845	2.685	14.4	21.0

105535 2000 RT_{32} 3 28.3 149°.35 1°.5/30.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 49.34	−11 33.8	2.924	3.694	10.8	20.1
3 2	12 45.14	−11 9.4	2.835	3.702	8.5	20.0
3 12	12 39.55	−10 32.7	2.771	3.709	5.8	19.8
3 22	12 33.04	− 9 45.6	2.734	3.716	3.0	19.6
4 1	12 26.15	− 8 51.5	2.728	3.723	1.6	19.5
4 11	12 19.51	− 7 54.6	2.751	3.729	3.9	19.7
4 21	12 13.68	− 6 59.2	2.804	3.735	6.7	19.9
5 1	12 9.10	− 6 9.5	2.883	3.741	9.2	20.1

148418 2000 WD_{81} 3 28.3 190°.99 1°.4/30.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 49.94	−10 22.8	2.983	3.756	10.6	20.6
3 2	12 45.61	−10 8.2	2.885	3.754	8.3	20.4
3 12	12 39.89	− 9 42.5	2.812	3.752	5.7	20.3
3 22	12 33.18	− 9 7.3	2.767	3.750	2.9	20.1
4 1	12 26.06	− 8 25.4	2.752	3.748	1.5	20.0
4 11	12 19.14	− 7 40.7	2.767	3.745	3.9	20.1
4 21	12 12.98	− 6 57.1	2.811	3.741	6.7	20.3
5 1	12 8.06	− 6 18.3	2.881	3.738	9.3	20.5

205383 2001 BV_{47} 3 28.3 11°.75 17°.3/ 5.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	13 4.85	−29 3.7	1.099	1.832	27.0	19.6
3 2	13 0.52	−32 9.0	1.030	1.833	24.4	19.4
3 12	12 51.54	−34 47.0	0.975	1.833	21.6	19.2
3 22	12 38.42	−36 43.2	0.937	1.835	19.0	19.0
4 1	12 22.79	−37 45.1	0.918	1.836	17.5	19.0
4 11	12 7.30	−37 50.0	0.918	1.839	17.6	19.0
4 21	11 54.50	−37 6.6	0.937	1.841	19.2	19.1
5 1	11 46.25	−35 51.9	0.972	1.844	21.7	19.2

199463 2006 DX_{57} 3 28.3 237°.23 0°.1/28.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 50.88	− 6 1.5	2.078	2.886	13.4	20.8
3 2	12 46.92	− 5 30.0	1.988	2.881	10.3	20.5
3 12	12 41.01	− 4 45.0	1.921	2.876	6.7	20.3
3 22	12 33.69	− 3 50.0	1.881	2.872	2.7	20.0
4 1	12 25.76	− 2 50.3	1.869	2.867	1.5	19.9
4 11	12 18.11	− 1 52.1	1.886	2.862	5.7	20.2
4 21	12 11.57	− 1 1.3	1.930	2.857	9.5	20.4
5 1	12 6.77	− 0 22.4	1.998	2.851	12.9	20.6

503852 1995 TN_4 3 28.3 154°.24 1°.6/26.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 54.12	+ 1 24.8	2.364	3.179	11.7	21.5
3 2	12 49.05	+ 1 36.9	2.281	3.180	8.9	21.3
3 12	12 42.20	+ 1 54.3	2.222	3.181	5.6	21.1
3 22	12 34.11	+ 2 13.4	2.192	3.182	2.4	20.9
4 1	12 25.53	+ 2 30.5	2.191	3.183	2.6	20.9
4 11	12 17.27	+ 2 41.6	2.219	3.184	5.8	21.1
4 21	12 10.06	+ 2 44.1	2.275	3.185	9.1	21.3
5 1	12 4.47	+ 2 36.1	2.355	3.186	12.0	21.5

28210 Howardfeng 3 28.3 119°.75 4°.3/24.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 59.15	+ 5 26.5	1.637	2.469	15.3	19.3
3 2	12 53.41	+ 6 20.9	1.578	2.485	11.5	19.1
3 12	12 45.18	+ 7 20.1	1.542	2.502	7.6	18.9
3 22	12 35.29	+ 8 16.4	1.533	2.517	4.5	18.7
4 1	12 24.88	+ 9 2.0	1.552	2.532	5.6	18.8
4 11	12 15.17	+ 9 30.6	1.597	2.546	9.1	19.1
4 21	12 7.14	+ 9 39.5	1.668	2.560	12.9	19.3
5 1	12 1.48	+ 9 28.4	1.760	2.573	16.1	19.5

522650 2016 GU_{262} 3 28.3 278°.26 1°.8/29.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 52.42	− 9 52.0	1.859	2.656	15.1	21.6
3 2	12 48.53	− 9 43.5	1.754	2.637	12.0	21.4
3 12	12 42.32	− 9 18.0	1.671	2.618	8.2	21.1
3 22	12 34.30	− 8 37.1	1.613	2.599	4.1	20.8
4 1	12 25.36	− 7 44.6	1.582	2.579	2.0	20.6
4 11	12 16.57	− 6 47.1	1.580	2.560	6.0	20.8
4 21	12 8.98	− 5 51.6	1.603	2.540	10.4	21.0
5 1	12 3.41	− 5 4.7	1.650	2.520	14.3	21.2

386161 2007 TU_{377} 3 28.3 63°.61 0°.3/28.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 51.11	− 4 32.8	2.086	2.898	13.2	21.5
3 2	12 46.91	− 4 7.7	2.015	2.911	10.0	21.3
3 12	12 40.88	− 3 31.5	1.967	2.924	6.4	21.1
3 22	12 33.59	− 2 47.9	1.946	2.937	2.5	20.9
4 1	12 25.85	− 2 1.9	1.954	2.951	1.6	20.8
4 11	12 18.53	− 1 19.0	1.990	2.964	5.5	21.1
4 21	12 12.37	− 0 43.9	2.053	2.978	9.1	21.3
5 1	12 7.92	− 0 19.9	2.140	2.992	12.2	21.6

324619 2006 YF_{55} 3 28.3 194°.99 2°.3/25.9 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 54.08	+ 0 48.8	2.034	2.855	13.1	21.8
3 2	12 49.34	+ 1 35.8	1.950	2.853	9.9	21.6
3 12	12 42.55	+ 2 31.6	1.890	2.851	6.3	21.3
3 22	12 34.30	+ 3 30.8	1.858	2.848	2.9	21.1
4 1	12 25.42	+ 4 27.2	1.855	2.844	3.5	21.1
4 11	12 16.89	+ 5 14.4	1.880	2.840	7.1	21.4
4 21	12 9.55	+ 5 47.8	1.932	2.836	10.7	21.6
5 1	12 4.08	+ 6 4.9	2.006	2.831	14.0	21.8

366388 2001 OV_{31} 3 28.3 208°.56 5°.1/ 3.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 53.16	−22 52.7	2.461	3.172	14.1	22.2
3 2	12 48.55	−22 50.3	2.353	3.165	12.0	22.0
3 12	12 42.03	−22 26.9	2.266	3.157	9.4	21.8
3 22	12 34.10	−21 42.0	2.203	3.149	6.9	21.6
4 1	12 25.52	−20 37.1	2.169	3.139	5.2	21.5
4 11	12 17.15	−19 16.9	2.163	3.129	5.8	21.5
4 21	12 9.81	−17 48.1	2.186	3.119	8.2	21.6
5 1	12 4.13	−16 18.1	2.235	3.107	11.0	21.8

360187 2013 CU_{180} 3 28.3 291°.53 2°.1/29.9 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 52.35	−10 4.8	1.402	2.218	18.2	21.1
3 2	12 49.22	− 9 58.0	1.306	2.199	14.5	20.8
3 12	12 43.15	− 9 29.3	1.229	2.181	10.0	20.5
3 22	12 34.75	− 8 39.9	1.176	2.162	5.0	20.1
4 1	12 25.09	− 7 34.9	1.147	2.144	2.4	19.9
4 11	12 15.62	− 6 23.1	1.144	2.126	7.4	20.2
4 21	12 7.73	− 5 14.8	1.165	2.108	12.7	20.4
5 1	12 2.48	− 4 19.0	1.206	2.090	17.5	20.6

421483 2014 ON_{54} 3 28.3 109°.41 4°.0/24.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 55.50	+ 3 50.5	1.638	2.474	15.1	21.7
3 2	12 50.66	+ 4 57.3	1.578	2.489	11.3	21.5
3 12	12 43.45	+ 6 11.1	1.542	2.503	7.3	21.3
3 22	12 34.63	+ 7 24.1	1.531	2.517	4.2	21.1
4 1	12 25.27	+ 8 27.4	1.549	2.531	5.3	21.2
4 11	12 16.54	+ 9 14.0	1.593	2.544	9.0	21.4
4 21	12 9.39	+ 9 40.1	1.662	2.557	12.7	21.7
5 1	12 4.48	+ 9 44.5	1.752	2.569	16.0	21.9

128390 2004 KQ_{14} 3 28.3 259°.88 6°.3/ 4.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 51.29	−26 50.9	2.166	2.864	16.1	20.2
3 2	12 47.53	−26 30.4	2.045	2.844	14.0	20.0
3 12	12 41.60	−25 41.4	1.944	2.823	11.3	19.8
3 22	12 34.00	−24 22.1	1.866	2.802	8.6	19.6
4 1	12 25.57	−22 33.8	1.814	2.780	6.5	19.4
4 11	12 17.33	−20 22.9	1.791	2.758	6.8	19.4
4 21	12 10.22	−17 58.8	1.797	2.735	9.3	19.5
5 1	12 5.02	−15 32.9	1.829	2.711	12.5	19.6

31223 1998 BJ_{30} 3 28.3 182°.36 1°.1/29.5 18 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 53.04	− 8 54.8	2.178	2.968	13.4	19.2
3 2	12 48.47	− 8 35.9	2.088	2.969	10.5	19.0
3 12	12 41.95	− 8 2.7	2.022	2.969	7.0	18.8
3 22	12 34.07	− 7 17.7	1.982	2.969	3.3	18.6
4 1	12 25.58	− 6 25.3	1.971	2.968	1.5	18.4
4 11	12 17.41	− 5 30.9	1.989	2.967	5.2	18.7
4 21	12 10.34	− 4 40.4	2.035	2.965	8.9	18.9
5 1	12 5.01	− 3 58.5	2.105	2.964	12.1	19.1

326440 2001 UZ_{206} 3 28.3 50°.81 8°.7/22.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 58.96	+16 50.8	1.454	2.299	16.2	19.7
3 2	12 53.38	+17 50.7	1.417	2.321	12.9	19.5
3 12	12 45.15	+18 42.0	1.401	2.344	10.0	19.4
3 22	12 35.25	+19 15.4	1.410	2.367	8.7	19.4
4 1	12 25.00	+19 23.6	1.443	2.390	9.9	19.5
4 11	12 15.73	+19 4.0	1.501	2.413	12.5	19.7
4 21	12 8.43	+18 18.4	1.581	2.437	15.4	20.0
5 1	12 3.69	+17 10.7	1.680	2.461	18.0	20.2

495090 2011 SY_{29} 3 28.3 212°.10 1°.0/27.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 57.37	− 2 48.4	1.928	2.737	14.2	22.9
3 2	12 52.08	− 2 18.6	1.834	2.729	10.9	22.7
3 12	12 44.46	− 1 37.0	1.763	2.721	7.0	22.4
3 22	12 35.12	− 0 47.7	1.720	2.711	2.7	22.1
4 1	12 24.97	+ 0 3.6	1.706	2.701	2.3	22.1
4 11	12 15.11	+ 0 50.3	1.720	2.690	6.7	22.3
4 21	12 6.54	+ 1 27.0	1.761	2.678	10.9	22.6
5 1	12 0.02	+ 1 49.5	1.826	2.665	14.5	22.8

372729 2009 YO_{11} 3 28.3 77°.31 1°.7/29.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 53.66	− 9 38.9	1.924	2.717	14.8	20.6
3 2	12 49.02	− 9 32.0	1.853	2.734	11.6	20.4
3 12	12 42.31	− 9 9.9	1.805	2.752	7.8	20.2
3 22	12 34.19	− 8 34.8	1.783	2.769	3.8	20.0
4 1	12 25.57	− 7 51.2	1.789	2.786	1.9	19.9
4 11	12 17.43	− 7 4.9	1.823	2.802	5.4	20.2
4 21	12 10.62	− 6 21.8	1.884	2.819	9.2	20.4
5 1	12 5.74	− 5 46.8	1.969	2.836	12.5	20.7

500534 2012 UK_{2} 3 28.3 137°.41 0°.7/27.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 49.92	− 3 40.3	2.458	3.266	11.6	22.0
3 2	12 45.80	− 2 56.7	2.378	3.273	8.7	21.9
3 12	12 40.09	− 2 3.2	2.322	3.280	5.5	21.7
3 22	12 33.30	− 1 3.6	2.295	3.286	2.1	21.4
4 1	12 26.08	− 0 2.9	2.297	3.293	1.8	21.4
4 11	12 19.18	+ 0 53.6	2.329	3.299	5.2	21.7
4 21	12 13.23	+ 1 41.3	2.389	3.305	8.4	21.9
5 1	12 8.73	+ 2 17.0	2.473	3.310	11.2	22.1

35011 1981 DU_{2} 3 28.3 290°.28 6°.6/ 2.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 54.62	−19 59.5	1.894	2.639	16.7	19.6
3 2	12 50.47	−20 48.8	1.782	2.617	14.2	19.3
3 12	12 43.76	−21 18.9	1.690	2.595	11.3	19.1
3 22	12 34.97	−21 26.9	1.621	2.572	8.4	18.9
4 1	12 25.01	−21 11.7	1.578	2.549	6.6	18.7
4 11	12 15.05	−20 36.4	1.561	2.527	7.7	18.7
4 21	12 6.28	−19 46.8	1.569	2.504	10.7	18.8
5 1	11 59.69	−18 51.3	1.601	2.482	14.1	19.0

520069 2013 WU_{112} 3 28.3 141°.10 2°.9/31.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 51.59	−14 20.6	2.241	3.008	13.8	22.0
3 2	12 47.33	−14 15.0	2.152	3.013	11.1	21.8
3 12	12 41.22	−13 52.5	2.087	3.017	7.9	21.7
3 22	12 33.78	−13 14.4	2.046	3.022	4.7	21.5
4 1	12 25.79	−12 23.9	2.035	3.026	2.9	21.3
4 11	12 18.12	−11 26.2	2.051	3.030	5.0	21.5
4 21	12 11.52	−10 27.3	2.096	3.033	8.2	21.7
5 1	12 6.62	− 9 32.9	2.166	3.037	11.3	21.9

264600 2001 UZ_{61} 3 28.3 110°.68 1°.4/29.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 54.11	− 9 52.5	2.047	2.835	14.2	21.9
3 2	12 49.23	− 9 30.1	1.975	2.853	11.1	21.7
3 12	12 42.39	− 8 52.2	1.925	2.871	7.4	21.6
3 22	12 34.21	− 8 1.7	1.902	2.888	3.5	21.3
4 1	12 25.57	− 7 3.6	1.908	2.905	1.7	21.2
4 11	12 17.39	− 6 3.9	1.943	2.921	5.2	21.5
4 21	12 10.48	− 5 8.8	2.005	2.937	8.9	21.8
5 1	12 5.41	− 4 23.2	2.092	2.952	12.1	22.0

287621 2003 HE_{14} 3 28.3 272°.89 0°.7/29.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 49.42	− 9 30.0	1.889	2.692	14.7	20.6
3 2	12 46.10	− 8 43.1	1.791	2.680	11.5	20.3
3 12	12 40.66	− 7 36.7	1.716	2.668	7.6	20.1
3 22	12 33.63	− 6 14.2	1.666	2.655	3.3	19.8
4 1	12 25.86	− 4 42.0	1.645	2.642	1.5	19.6
4 11	12 18.33	− 3 8.5	1.652	2.630	6.0	19.9
4 21	12 11.97	− 1 42.2	1.685	2.617	10.3	20.1
5 1	12 7.51	− 0 30.1	1.742	2.604	14.1	20.3

498593 2008 QU_{46} 3 28.3 180°.31 1°.4/30.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 51.57	−10 57.4	2.636	3.410	11.8	22.5
3 2	12 47.02	−10 29.5	2.542	3.411	9.3	22.3
3 12	12 40.88	− 9 48.0	2.471	3.412	6.3	22.1
3 22	12 33.62	− 8 55.0	2.428	3.412	3.1	21.9
4 1	12 25.90	− 7 54.2	2.416	3.412	1.5	21.8
4 11	12 18.42	− 6 50.7	2.433	3.411	4.4	22.0
4 21	12 11.85	− 5 49.5	2.479	3.409	7.5	22.2
5 1	12 6.71	− 4 55.4	2.552	3.407	10.4	22.4

2020	α_{2000}	δ_{2000}	Δ	r	β	V
387320 2012 VG_{72}			3 28.3 198°.42		3°.9/23.8 18	
	h m	° ′			°	m
2 21	12 51.86	+ 7 56.6	2.386	3.215	11.2	21.2
3 2	12 47.34	+ 8 42.6	2.309	3.214	8.5	21.0
3 12	12 41.12	+ 9 30.5	2.257	3.213	5.8	20.9
3 22	12 33.72	+10 15.1	2.233	3.212	4.0	20.7
4 1	12 25.85	+10 51.1	2.238	3.211	4.9	20.8
4 11	12 18.31	+11 14.3	2.271	3.209	7.5	21.0
4 21	12 11.78	+11 22.2	2.330	3.208	10.3	21.1
5 1	12 6.81	+11 14.1	2.412	3.206	12.8	21.3
145661 6714 P–L			3 28.3 118°.54		1°.0/29.3 17	
2 21	12 56.31	− 6 19.8	2.567	3.350	11.8	20.3
3 2	12 50.58	− 6 35.2	2.482	3.359	9.1	20.1
3 12	12 43.13	− 6 41.9	2.422	3.368	6.1	19.9
3 22	12 34.51	− 6 41.3	2.389	3.376	2.8	19.7
4 1	12 25.40	− 6 35.6	2.388	3.385	1.4	19.6
4 11	12 16.61	− 6 28.1	2.417	3.393	4.5	19.9
4 21	12 8.84	− 6 21.7	2.474	3.401	7.7	20.1
5 1	12 2.62	− 6 19.4	2.558	3.409	10.5	20.3
503127 2015 FS_{363}			3 28.3 171°.05		3°.0/24.6 17	
2 21	12 50.57	+ 2 33.4	2.243	3.070	11.9	21.8
3 2	12 46.47	+ 3 46.7	2.166	3.073	8.9	21.6
3 12	12 40.61	+ 5 7.5	2.114	3.075	5.7	21.4
3 22	12 33.53	+ 6 29.7	2.090	3.076	3.2	21.3
4 1	12 25.97	+ 7 46.5	2.096	3.078	4.2	21.3
4 11	12 18.73	+ 8 51.5	2.130	3.079	7.2	21.5
4 21	12 12.54	+ 9 40.4	2.191	3.079	10.4	21.7
5 1	12 7.94	+10 10.9	2.274	3.080	13.1	21.9
281045 2006 HL_{66}			3 28.3 230°.82		1°.2/27.0 17	
2 21	12 51.71	− 1 38.9	2.176	2.992	12.6	21.5
3 2	12 47.46	− 1 6.4	2.087	2.987	9.5	21.3
3 12	12 41.32	− 0 24.4	2.023	2.983	6.0	21.1
3 22	12 33.84	+ 0 23.1	1.987	2.978	2.4	20.8
4 1	12 25.78	+ 1 10.7	1.979	2.973	2.4	20.8
4 11	12 18.01	+ 1 53.0	1.999	2.968	6.1	21.0
4 21	12 11.31	+ 2 25.6	2.047	2.962	9.7	21.2
5 1	12 6.28	+ 2 45.1	2.118	2.957	12.8	21.4
435024 2006 VF_{83}			3 28.3 251°.95		4°.1/23.9 17	
2 21	12 52.82	+ 8 54.6	2.363	3.192	11.3	20.8
3 2	12 48.09	+ 9 31.9	2.286	3.190	8.6	20.6
3 12	12 41.61	+10 10.2	2.233	3.188	5.9	20.4
3 22	12 33.92	+10 44.2	2.209	3.186	4.1	20.3
4 1	12 25.76	+11 9.1	2.213	3.184	5.0	20.4
4 11	12 17.93	+11 20.9	2.245	3.183	7.6	20.5
4 21	12 11.15	+11 17.6	2.303	3.181	10.4	20.7
5 1	12 5.97	+10 58.8	2.384	3.179	12.9	20.9
424921 2008 XS_{22}			3 28.3 248°.00		0°.9/27.4 17	
2 21	12 53.45	− 1 50.2	2.145	2.958	12.8	21.2
3 2	12 48.85	− 1 32.0	2.053	2.950	9.8	20.9
3 12	12 42.26	− 1 4.9	1.984	2.943	6.2	20.7
3 22	12 34.23	− 0 32.4	1.943	2.934	2.4	20.4
4 1	12 25.56	+ 0 1.1	1.931	2.926	2.1	20.4
4 11	12 17.16	+ 0 30.5	1.947	2.918	6.0	20.6
4 21	12 9.85	+ 0 51.5	1.991	2.909	9.7	20.8
5 1	12 4.29	+ 1 1.2	2.058	2.901	13.0	21.0
107016 2000 YK_{115}			3 28.3 147°.05		0°.2/28.2 18	R
2 21	12 56.02	− 5 10.7	1.956	2.760	14.2	20.7
3 2	12 50.83	− 4 40.9	1.879	2.770	10.9	20.5
3 12	12 43.50	− 3 58.2	1.825	2.780	7.0	20.2
3 22	12 34.70	− 3 6.5	1.798	2.788	2.7	20.0
4 1	12 25.33	− 2 11.4	1.800	2.797	1.7	19.9
4 11	12 16.40	− 1 19.3	1.831	2.804	6.0	20.2
4 21	12 8.79	− 0 35.8	1.889	2.811	9.9	20.5
5 1	12 3.16	− 0 4.9	1.970	2.817	13.3	20.7
60158 1999 UH_{24}			3 28.3 262°.53		4°.4/ 3.2 18	
2 21	12 48.25	−21 14.6	2.564	3.291	13.2	19.0
3 2	12 44.71	−21 6.8	2.462	3.287	11.1	18.8
3 12	12 39.51	−20 39.8	2.382	3.283	8.6	18.7
3 22	12 33.13	−19 53.8	2.326	3.278	6.1	18.5
4 1	12 26.22	−18 50.8	2.298	3.274	4.5	18.4
4 11	12 19.54	−17 35.7	2.299	3.270	5.2	18.4
4 21	12 13.77	−16 14.4	2.327	3.265	7.5	18.5
5 1	12 9.46	−14 53.4	2.382	3.261	10.1	18.7
371195 2005 YW_{148}			3 28.3 180°.82		1°.8/30.5 15	
2 21	12 54.18	−11 25.8	2.742	3.506	11.6	22.7
3 2	12 48.96	−11 15.1	2.645	3.508	9.2	22.6
3 12	12 42.11	−10 51.8	2.573	3.509	6.4	22.4
3 22	12 34.13	−10 17.4	2.528	3.509	3.4	22.2
4 1	12 25.65	− 9 34.7	2.514	3.508	1.8	22.1
4 11	12 17.41	− 8 47.9	2.530	3.507	4.3	22.2
4 21	12 10.07	− 8 1.5	2.575	3.504	7.3	22.4
5 1	12 4.17	− 7 19.8	2.647	3.501	10.1	22.6

2020	α_{2000}	δ_{2000}	Δ	r	β	V
426347 2013 KO_2			3 28.3 168°.23		4°.3/22.9 16	
	h m	° ′			°	m
2 21	12 51.99	+ 6 59.9	2.338	3.167	11.4	21.8
3 2	12 47.47	+ 8 22.5	2.265	3.171	8.6	21.7
3 12	12 41.21	+ 9 49.0	2.219	3.175	5.9	21.5
3 22	12 33.77	+11 12.8	2.202	3.179	4.3	21.4
4 1	12 25.86	+12 27.0	2.214	3.181	5.4	21.5
4 11	12 18.30	+13 25.8	2.255	3.184	8.0	21.6
4 21	12 11.77	+14 6.0	2.321	3.185	10.8	21.8
5 1	12 6.83	+14 26.3	2.410	3.186	13.3	22.0
34209 2000 QP_{67}			3 28.3 38°.71		7°.3/21.0 18	
2 21	12 49.79	+10 32.6	1.523	2.380	14.9	17.7
3 2	12 46.56	+12 21.1	1.472	2.389	11.5	17.5
3 12	12 40.94	+14 10.9	1.445	2.400	8.4	17.4
3 22	12 33.71	+15 50.7	1.443	2.410	7.3	17.3
4 1	12 25.92	+17 9.8	1.466	2.422	8.9	17.5
4 11	12 18.73	+18 1.1	1.514	2.433	12.0	17.7
4 21	12 13.09	+18 22.2	1.584	2.445	15.1	17.9
5 1	12 9.64	+18 14.4	1.672	2.457	17.9	18.1
207989 1998 DH_{19}			3 28.3 241°.05		1°.1/29.2 16	
2 21	12 56.60	− 7 14.9	1.757	2.560	15.7	20.6
3 2	12 51.80	− 7 14.9	1.662	2.550	12.3	20.4
3 12	12 44.47	− 7 0.3	1.588	2.539	8.2	20.1
3 22	12 35.20	− 6 33.2	1.540	2.528	3.7	19.8
4 1	12 24.99	− 5 57.5	1.520	2.517	1.8	19.6
4 11	12 15.03	− 5 19.5	1.527	2.506	6.4	19.9
4 21	12 6.45	− 4 45.2	1.561	2.494	10.9	20.1
5 1	12 0.10	− 4 20.2	1.618	2.481	14.9	20.3
238457 2004 RL_7			3 28.3 187°.25		4°.6/ 2.8 18	
2 21	12 53.83	−22 30.2	2.031	2.758	16.3	20.1
3 2	12 49.36	−21 48.1	1.931	2.758	13.6	19.9
3 12	12 42.68	−20 37.8	1.851	2.757	10.4	19.7
3 22	12 34.42	−19 0.0	1.797	2.755	7.0	19.5
4 1	12 25.48	−16 58.8	1.770	2.753	4.7	19.3
4 11	12 16.91	−14 43.0	1.774	2.749	5.9	19.4
4 21	12 9.63	−12 23.4	1.806	2.745	9.2	19.6
5 1	12 4.35	−10 10.7	1.865	2.740	12.7	19.8
372574 2009 UR_{72}			3 28.3 182°.37		0°.2/28.1 17	
2 21	12 52.38	− 5 31.4	2.411	3.209	12.1	22.1
3 2	12 47.76	− 4 51.4	2.321	3.210	9.2	21.9
3 12	12 41.42	− 3 59.6	2.256	3.210	5.9	21.7
3 22	12 33.87	− 2 59.7	2.219	3.210	2.3	21.4
4 1	12 25.81	− 1 56.5	2.212	3.209	1.5	21.4
4 11	12 18.04	− 0 55.7	2.235	3.207	5.2	21.6
4 21	12 11.25	− 0 2.2	2.286	3.205	8.6	21.8
5 1	12 6.01	+ 0 39.9	2.361	3.202	11.6	22.0
37245 2000 WL_{179}			3 28.3 236°.37		4°.5/22.4 18	
2 21	12 49.28	+ 9 35.4	2.535	3.369	10.4	18.9
3 2	12 45.35	+10 42.0	2.457	3.363	8.0	18.7
3 12	12 39.84	+11 50.2	2.405	3.358	5.7	18.6
3 22	12 33.24	+12 54.3	2.381	3.353	4.5	18.5
4 1	12 26.18	+13 48.6	2.386	3.347	5.5	18.6
4 11	12 19.39	+14 28.5	2.418	3.342	7.9	18.7
4 21	12 13.51	+14 51.2	2.477	3.336	10.4	18.8
5 1	12 9.04	+14 56.1	2.557	3.330	12.7	19.0
114384 2002 YF			3 28.3 14°.62		6°.1/ 3.8 18	
2 21	12 51.47	−22 17.9	2.178	2.905	15.3	19.5
3 2	12 47.49	−22 50.1	2.087	2.906	13.0	19.3
3 12	12 41.47	−23 1.9	2.015	2.908	10.4	19.1
3 22	12 33.96	−22 52.1	1.967	2.909	7.8	18.9
4 1	12 25.75	−22 21.4	1.945	2.911	6.2	18.8
4 11	12 17.82	−21 33.8	1.950	2.913	6.7	18.9
4 21	12 11.02	−20 35.2	1.981	2.915	8.9	19.0
5 1	12 6.04	−19 32.8	2.037	2.917	11.5	19.2
213865 2003 SJ_{156}			3 28.3 130°.67		0°.4/28.7 18	
2 21	12 55.58	− 6 50.8	1.865	2.667	14.9	21.0
3 2	12 50.57	− 6 22.8	1.791	2.680	11.5	20.8
3 12	12 43.38	− 5 40.2	1.740	2.693	7.5	20.6
3 22	12 34.67	− 4 46.5	1.715	2.704	3.1	20.3
4 1	12 25.38	− 3 47.7	1.718	2.716	1.6	20.2
4 11	12 16.59	− 2 50.5	1.750	2.726	6.0	20.6
4 21	12 9.18	− 2 1.0	1.809	2.736	10.0	20.8
5 1	12 3.81	− 1 23.9	1.892	2.746	13.5	21.1
177124 2003 HV_9			3 28.3 288°.25		2°.3/25.7 17	
2 21	12 50.62	+ 2 24.0	2.360	3.184	11.4	20.4
3 2	12 46.59	+ 2 59.1	2.260	3.165	8.7	20.2
3 12	12 40.77	+ 3 40.6	2.186	3.146	5.6	19.9
3 22	12 33.66	+ 4 24.0	2.138	3.127	2.7	19.7
4 1	12 25.93	+ 5 4.6	2.120	3.108	3.3	19.7
4 11	12 18.38	+ 5 37.2	2.130	3.089	6.5	19.9
4 21	12 11.75	+ 5 58.1	2.167	3.070	9.8	20.1
5 1	12 6.66	+ 6 5.1	2.228	3.051	12.8	20.2

477581 2010 JP_{20} 3 28.3 289°.26 8°.3/ 8.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 49.41	−32 35.5	2.441	3.091	15.6	21.0
3 2	12 46.01	−32 54.7	2.322	3.071	14.0	20.9
3 12	12 40.60	−32 49.1	2.222	3.051	12.1	20.7
3 22	12 33.64	−32 15.8	2.142	3.031	10.1	20.5
4 1	12 25.91	−31 13.9	2.087	3.012	8.7	20.4
4 11	12 18.34	−29 46.5	2.057	2.992	8.4	20.3
4 21	12 11.80	−27 59.8	2.054	2.972	9.5	20.4
5 1	12 7.01	−26 2.2	2.076	2.952	11.5	20.4

309419 2007 TM_{365} 3 28.3 298°.64 1°.7/27.2 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 56.28	− 0 21.5	1.415	2.251	17.0	20.5
3 2	12 52.05	− 0 9.9	1.330	2.240	13.1	20.2
3 12	12 44.87	+ 0 12.7	1.266	2.229	8.4	19.9
3 22	12 35.43	+ 0 41.3	1.226	2.218	3.4	19.6
4 1	12 24.89	+ 1 9.4	1.213	2.208	3.2	19.6
4 11	12 14.72	+ 1 29.9	1.224	2.197	8.4	19.8
4 21	12 6.24	+ 1 37.3	1.260	2.187	13.4	20.1
5 1	12 0.42	+ 1 28.2	1.316	2.177	17.8	20.3

414062 2007 SE_{17} 3 28.3 276°.89 0°.6/27.9 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 57.70	− 2 32.2	1.528	2.351	16.6	21.4
3 2	12 53.10	− 2 29.8	1.431	2.333	12.9	21.1
3 12	12 45.57	− 2 15.6	1.356	2.315	8.4	20.8
3 22	12 35.74	− 1 52.9	1.305	2.296	3.3	20.4
4 1	12 24.68	− 1 26.9	1.280	2.277	2.3	20.3
4 11	12 13.82	− 1 4.3	1.283	2.258	7.8	20.6
4 21	12 4.50	− 0 51.0	1.310	2.239	12.9	20.8
5 1	11 57.74	− 0 51.2	1.359	2.220	17.3	21.0

334633 2002 VX_{108} 3 28.3 78°.52 2°.4/31.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 52.91	−13 15.4	2.303	3.071	13.4	21.1
3 2	12 48.07	−13 2.1	2.238	3.101	10.6	21.0
3 12	12 41.52	−12 33.2	2.196	3.130	7.4	20.8
3 22	12 33.87	−11 50.9	2.181	3.159	4.1	20.7
4 1	12 25.87	−10 58.9	2.195	3.188	2.4	20.6
4 11	12 18.34	−10 2.7	2.238	3.216	4.6	20.8
4 21	12 11.96	− 9 7.7	2.309	3.244	7.7	21.0
5 1	12 7.22	− 8 18.7	2.406	3.272	10.5	21.2

125000 2001 TA_{153} 3 28.3 94°.57 3°.0/25.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 56.27	+ 0 55.4	1.454	2.290	16.6	20.1
3 2	12 51.56	+ 1 46.1	1.393	2.304	12.5	19.9
3 12	12 44.20	+ 2 47.3	1.354	2.318	7.9	19.6
3 22	12 35.02	+ 3 51.6	1.341	2.331	3.7	19.4
4 1	12 25.21	+ 4 50.2	1.354	2.344	4.4	19.5
4 11	12 16.09	+ 5 35.0	1.393	2.357	8.7	19.8
4 21	12 8.73	+ 6 1.2	1.457	2.369	13.0	20.1
5 1	12 3.85	+ 6 6.8	1.541	2.382	16.7	20.3

378245 2007 CZ_{40} 3 28.3 333°.33 2°.0/26.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 48.82	− 1 50.6	1.479	2.322	16.1	20.6
3 2	12 46.13	− 1 3.1	1.397	2.311	12.2	20.4
3 12	12 40.92	− 0 0.5	1.336	2.301	7.8	20.1
3 22	12 33.82	+ 1 11.1	1.300	2.291	3.1	19.8
4 1	12 25.85	+ 2 23.0	1.289	2.283	3.5	19.8
4 11	12 18.24	+ 3 25.8	1.304	2.275	8.3	20.0
4 21	12 12.10	+ 4 12.1	1.343	2.267	12.9	20.3
5 1	12 8.25	+ 4 37.5	1.402	2.261	17.0	20.5

146560 2001 SJ_{350} 3 28.3 249°.47 1°.1/29.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 53.65	− 8 1.5	1.928	2.728	14.6	20.5
3 2	12 49.31	− 7 51.1	1.832	2.718	11.4	20.3
3 12	12 42.74	− 7 25.9	1.757	2.707	7.7	20.0
3 22	12 34.50	− 6 48.1	1.709	2.697	3.5	19.8
4 1	12 25.45	− 6 1.9	1.688	2.686	1.6	19.6
4 11	12 16.65	− 5 13.5	1.696	2.674	5.8	19.8
4 21	12 9.06	− 4 28.9	1.730	2.663	10.0	20.1
5 1	12 3.43	− 3 53.6	1.788	2.651	13.7	20.3

148669 2001 SL_{162} 3 28.3 82°.52 1°.0/29.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 54.23	− 7 50.2	1.760	2.565	15.5	19.8
3 2	12 49.67	− 7 36.2	1.689	2.579	12.0	19.6
3 12	12 42.84	− 7 6.7	1.641	2.593	7.9	19.4
3 22	12 34.47	− 6 25.0	1.619	2.607	3.5	19.2
4 1	12 25.52	− 5 36.3	1.624	2.621	1.6	19.1
4 11	12 17.09	− 4 47.2	1.656	2.635	5.9	19.4
4 21	12 10.10	− 4 3.9	1.715	2.649	10.0	19.6
5 1	12 5.20	− 3 31.4	1.798	2.663	13.6	19.9

162791 2000 YC_{42} 3 28.3 93°.13 1°.5/27.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 55.68	− 2 37.7	1.621	2.444	15.8	20.4
3 2	12 50.79	− 1 48.7	1.562	2.465	11.9	20.1
3 12	12 43.55	− 0 47.1	1.525	2.486	7.5	19.9
3 22	12 34.73	+ 0 21.1	1.515	2.506	2.9	19.7
4 1	12 25.40	+ 1 28.0	1.532	2.526	2.9	19.7
4 11	12 16.75	+ 2 25.7	1.577	2.546	7.3	20.0
4 21	12 9.69	+ 3 8.6	1.647	2.565	11.4	20.3
5 1	12 4.88	+ 3 33.7	1.740	2.584	14.9	20.6

34766 2001 QP_{200} 3 28.3 105°.83 1°.8/29.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 55.79	−10 34.7	1.573	2.373	17.3	19.0
3 2	12 51.12	−10 15.7	1.503	2.388	13.6	18.8
3 12	12 43.91	− 9 36.6	1.455	2.402	9.2	18.5
3 22	12 34.92	− 8 40.4	1.431	2.417	4.5	18.3
4 1	12 25.27	− 7 33.3	1.434	2.430	2.1	18.2
4 11	12 16.22	− 6 23.6	1.464	2.444	6.3	18.5
4 21	12 8.82	− 5 19.7	1.520	2.457	10.8	18.7
5 1	12 3.79	− 4 28.1	1.599	2.470	14.7	19.0

400999 2011 QG_{11} 3 28.3 234°.13 0°.7/27.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 55.73	− 4 29.8	1.733	2.547	15.4	22.0
3 2	12 51.16	− 3 52.5	1.637	2.534	11.9	21.7
3 12	12 44.08	− 2 59.7	1.563	2.521	7.7	21.4
3 22	12 35.08	− 1 55.5	1.515	2.506	3.0	21.1
4 1	12 25.12	− 0 46.6	1.495	2.492	2.3	21.0
4 11	12 15.42	+ 0 18.6	1.503	2.476	7.2	21.3
4 21	12 7.07	+ 1 12.9	1.537	2.460	11.8	21.5
5 1	12 0.94	+ 1 50.9	1.594	2.443	15.8	21.7

136182 2003 UE_{202} 3 28.3 323°.42 0°.3/28.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 51.28	− 5 39.6	1.319	2.154	18.0	20.4
3 2	12 48.43	− 5 28.5	1.233	2.141	14.1	20.1
3 12	12 42.65	− 4 59.3	1.167	2.128	9.3	19.8
3 22	12 34.59	− 4 15.5	1.124	2.115	3.8	19.4
4 1	12 25.39	− 3 23.5	1.106	2.104	2.1	19.3
4 11	12 16.52	− 2 32.4	1.112	2.092	7.8	19.6
4 21	12 9.32	− 1 50.7	1.142	2.082	13.2	19.8
5 1	12 4.79	− 1 24.9	1.191	2.073	17.9	20.1

264630 2001 WD_{37} 3 28.3 76°.94 11°.7/18.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	13 2.79	+28 22.9	1.757	2.569	15.2	19.7
3 2	12 56.18	+29 31.6	1.716	2.579	13.3	19.6
3 12	12 46.94	+30 22.9	1.697	2.589	12.0	19.5
3 22	12 36.03	+30 47.6	1.701	2.599	11.8	19.5
4 1	12 24.71	+30 39.5	1.729	2.609	12.8	19.6
4 11	12 14.32	+29 57.4	1.780	2.618	14.6	19.8
4 21	12 5.86	+28 44.9	1.852	2.628	16.6	19.9
5 1	11 59.97	+27 7.7	1.942	2.638	18.5	20.1

349407 2007 YY_{29} 3 28.3 48°.94 8°.1/ 6.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 52.27	−28 32.0	2.133	2.820	16.7	20.2
3 2	12 48.16	−29 16.8	2.056	2.836	14.5	20.0
3 12	12 41.91	−29 37.5	1.997	2.852	12.2	19.9
3 22	12 34.13	−29 31.8	1.960	2.868	9.9	19.8
4 1	12 25.72	−28 59.8	1.947	2.885	8.3	19.7
4 11	12 17.71	−28 5.6	1.960	2.902	8.2	19.7
4 21	12 10.98	−26 55.6	1.998	2.919	9.6	19.9
5 1	12 6.21	−25 38.0	2.061	2.937	11.6	20.0

205598 2001 TX_{232} 3 28.3 239°.11 0°.1/28.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 50.84	− 5 1.0	2.428	3.230	11.8	20.8
3 2	12 46.65	− 4 37.9	2.333	3.223	9.1	20.6
3 12	12 40.76	− 4 4.3	2.261	3.216	5.9	20.4
3 22	12 33.65	− 3 23.2	2.218	3.208	2.3	20.1
4 1	12 25.99	− 2 38.5	2.203	3.200	1.4	20.0
4 11	12 18.56	− 1 55.2	2.218	3.192	5.0	20.3
4 21	12 12.06	− 1 17.7	2.260	3.184	8.5	20.5
5 1	12 7.05	− 0 49.7	2.328	3.176	11.5	20.6

221297 2005 UG_{482} 3 28.3 96°.80 1°.1/29.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 53.72	− 8 20.3	1.844	2.645	15.1	21.1
3 2	12 49.24	− 8 6.4	1.768	2.655	11.7	20.9
3 12	12 42.57	− 7 37.1	1.715	2.665	7.8	20.7
3 22	12 34.38	− 6 55.3	1.687	2.675	3.5	20.4
4 1	12 25.59	− 6 6.0	1.687	2.685	1.6	20.3
4 11	12 17.26	− 5 15.5	1.715	2.694	5.7	20.6
4 21	12 10.27	− 4 30.0	1.770	2.704	9.7	20.8
5 1	12 5.30	− 3 54.6	1.848	2.713	13.3	21.1

313706 2003 UN_{57} 3 28.3 110°.72 1°.4/27.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 56.57	− 2 0.2	1.808	2.624	14.7	21.3
3 2	12 51.29	− 1 22.8	1.743	2.643	11.1	21.1
3 12	12 43.80	− 0 34.6	1.702	2.661	7.0	20.9
3 22	12 34.83	+ 0 19.1	1.687	2.678	2.7	20.7
4 1	12 25.37	+ 1 11.9	1.701	2.696	2.6	20.7
4 11	12 16.48	+ 1 57.3	1.743	2.712	6.8	21.0
4 21	12 9.06	+ 2 30.5	1.812	2.728	10.7	21.2
5 1	12 3.74	+ 2 48.6	1.903	2.743	14.0	21.5

131409 2001 MX_{5} 3 28.3 248°.53 6°.2/19.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 52.97	+16 42.2	2.639	3.464	10.3	20.1
3 2	12 48.21	+17 52.5	2.553	3.445	8.3	19.9
3 12	12 41.74	+19 0.3	2.493	3.426	6.7	19.8
3 22	12 34.04	+19 59.2	2.460	3.406	6.2	19.7
4 1	12 25.78	+20 43.6	2.457	3.386	7.3	19.7
4 11	12 17.73	+21 9.1	2.480	3.365	9.3	19.8
4 21	12 10.60	+21 14.0	2.528	3.343	11.6	19.9
5 1	12 4.96	+20 58.7	2.596	3.321	13.7	20.1

2020	α_{2000}	δ_{2000}	Δ	r	β	V
494887 2008 SE_{108}			3 28.3 197°.29	2°.4/30.8 17		
	h m	° ′			°	m
2 21	12 54.58	−11 49.1	2.314	3.085	13.3	22.3
3 2	12 49.63	−11 55.6	2.217	3.083	10.6	22.1
3 12	12 42.74	−11 48.1	2.144	3.080	7.5	21.9
3 22	12 34.46	−11 27.5	2.098	3.077	4.2	21.7
4 1	12 25.53	−10 56.4	2.080	3.073	2.5	21.6
4 11	12 16.86	−10 19.2	2.092	3.069	5.0	21.8
4 21	12 9.23	− 9 40.7	2.131	3.065	8.3	22.0
5 1	12 3.30	− 9 5.9	2.196	3.060	11.5	22.1
93054 2000 SW_{12}			3 28.3 253°.98	0°.3/28.1 17		
2 21	12 53.09	− 6 16.6	1.646	2.462	15.9	19.7
3 2	12 49.28	− 5 34.4	1.550	2.448	12.4	19.4
3 12	12 42.93	− 4 33.6	1.476	2.434	8.0	19.1
3 22	12 34.65	− 3 18.4	1.428	2.419	3.2	18.8
4 1	12 25.40	− 1 55.9	1.407	2.404	2.0	18.7
4 11	12 16.40	− 0 35.4	1.413	2.388	7.2	19.0
4 21	12 8.77	+ 0 34.3	1.444	2.372	12.0	19.2
5 1	12 3.40	+ 1 26.8	1.498	2.356	16.2	19.4
266689 2009 OB_{24}			3 28.3 208°.50	2°.9/30.9 17		
2 21	12 54.42	−12 37.3	1.952	2.731	15.2	21.5
3 2	12 49.86	−12 43.4	1.859	2.728	12.1	21.3
3 12	12 43.07	−12 32.4	1.789	2.725	8.6	21.0
3 22	12 34.63	−12 5.1	1.743	2.722	4.9	20.8
4 1	12 25.43	−11 24.5	1.725	2.718	2.9	20.7
4 11	12 16.52	−10 36.2	1.736	2.715	5.7	20.8
4 21	12 8.86	− 9 46.5	1.773	2.711	9.5	21.0
5 1	12 3.19	− 9 1.8	1.834	2.706	13.0	21.2
107454 2001 DR_{23}			3 28.3 326°.97	1°.2/27.6 18		
2 21	12 55.75	− 2 25.7	1.230	2.071	18.8	19.8
3 2	12 51.93	− 2 9.1	1.155	2.067	14.4	19.5
3 12	12 44.91	− 1 37.4	1.101	2.064	9.3	19.2
3 22	12 35.48	− 0 55.7	1.069	2.061	3.6	18.9
4 1	12 24.95	− 0 11.8	1.061	2.058	3.0	18.8
4 11	12 14.95	+ 0 25.2	1.079	2.055	8.7	19.1
4 21	12 6.90	+ 0 48.4	1.119	2.053	14.1	19.4
5 1	12 1.78	+ 0 53.2	1.179	2.051	18.7	19.7
498652 2008 SX_{88}			3 28.3 211°.65	1°.8/30.3 17		
2 21	12 52.54	−10 42.8	2.276	3.057	13.2	22.2
3 2	12 48.10	−10 32.5	2.179	3.052	10.4	22.0
3 12	12 41.77	−10 7.7	2.106	3.047	7.2	21.8
3 22	12 34.08	− 9 30.0	2.059	3.042	3.7	21.5
4 1	12 25.76	− 8 43.0	2.040	3.036	1.9	21.4
4 11	12 17.69	− 7 51.8	2.051	3.030	4.9	21.6
4 21	12 10.65	− 7 1.8	2.090	3.024	8.5	21.8
5 1	12 5.28	− 6 18.2	2.154	3.017	11.7	22.0
333464 2004 QH_{18}			3 28.4 236°.88	5°.1/ 3.3 18		
2 21	12 54.40	−22 21.6	2.677	3.383	13.2	21.4
3 2	12 49.48	−22 35.8	2.557	3.365	11.2	21.2
3 12	12 42.69	−22 32.0	2.458	3.346	8.9	21.0
3 22	12 34.47	−22 9.2	2.384	3.326	6.6	20.8
4 1	12 25.51	−21 27.8	2.338	3.305	5.2	20.7
4 11	12 16.64	−20 31.3	2.321	3.283	5.8	20.7
4 21	12 8.64	−19 24.7	2.333	3.261	8.0	20.8
5 1	12 2.19	−18 14.4	2.371	3.238	10.6	20.9
497314 2005 TH_{97}			3 28.4 209°.50	0°.8/29.2 17		
2 21	12 53.28	− 8 8.6	2.187	2.980	13.3	23.1
3 2	12 48.72	− 7 45.7	2.092	2.974	10.4	22.9
3 12	12 42.20	− 7 8.9	2.019	2.968	6.9	22.7
3 22	12 34.26	− 6 20.6	1.974	2.962	3.1	22.4
4 1	12 25.68	− 5 25.2	1.958	2.955	1.4	22.3
4 11	12 17.35	− 4 28.6	1.970	2.948	5.3	22.6
4 21	12 10.09	− 3 36.6	2.011	2.940	9.1	22.8
5 1	12 4.57	− 2 53.9	2.076	2.931	12.4	23.0
310533 2001 BN_{33}			3 28.4 104°.20	7°.8/19.3 18		
2 21	12 55.26	+13 53.0	1.814	2.654	13.7	20.3
3 2	12 50.26	+16 10.3	1.777	2.680	10.7	20.2
3 12	12 43.10	+18 24.2	1.765	2.705	8.4	20.1
3 22	12 34.54	+20 23.2	1.781	2.730	7.9	20.1
4 1	12 25.59	+21 57.7	1.825	2.754	9.4	20.2
4 11	12 17.28	+23 2.1	1.894	2.777	11.9	20.4
4 21	12 10.48	+23 35.6	1.986	2.799	14.4	20.6
5 1	12 5.75	+23 40.4	2.096	2.820	16.6	20.8
245427 2005 JL_{89}			3 28.4 237°.25	2°.8/25.6 17		
2 21	12 54.57	+ 4 26.1	2.188	3.011	12.2	20.8
3 2	12 49.60	+ 4 50.1	2.105	3.008	9.3	20.6
3 12	12 42.69	+ 5 18.0	2.046	3.005	6.0	20.4
3 22	12 34.43	+ 5 45.4	2.015	3.002	3.2	20.2
4 1	12 25.61	+ 6 7.5	2.013	2.999	3.8	20.3
4 11	12 17.12	+ 6 19.8	2.039	2.996	7.0	20.4
4 21	12 9.75	+ 6 19.7	2.092	2.992	10.3	20.6
5 1	12 4.14	+ 6 5.9	2.168	2.989	13.2	20.8

2020	α_{2000}	δ_{2000}	Δ	r	β	V
329598 2003 DJ_{11}			3 28.4 47°.64	1°.2/27.2 18		
	h m	° ′			°	m
2 21	12 49.30	− 5 17.3	1.511	2.342	16.4	20.5
3 2	12 46.22	− 4 5.9	1.447	2.354	12.4	20.3
3 12	12 40.78	− 2 36.3	1.404	2.366	7.8	20.1
3 22	12 33.71	− 0 55.7	1.387	2.379	2.9	19.8
4 1	12 26.04	+ 0 45.9	1.397	2.392	2.8	19.8
4 11	12 18.94	+ 2 18.0	1.433	2.406	7.5	20.1
4 21	12 13.35	+ 3 32.5	1.495	2.419	11.9	20.4
5 1	12 9.93	+ 4 24.9	1.578	2.433	15.6	20.7
170062 2002 VE_{88}			3 28.4 90°.73	2°.5/25.8 18		
2 21	12 53.64	+ 3 15.0	2.240	3.062	12.0	20.7
3 2	12 48.69	+ 3 46.6	2.174	3.078	9.0	20.5
3 12	12 41.98	+ 4 22.8	2.133	3.093	5.8	20.4
3 22	12 34.11	+ 4 59.1	2.120	3.108	2.9	20.2
4 1	12 25.83	+ 5 30.4	2.135	3.122	3.4	20.3
4 11	12 18.00	+ 5 52.6	2.180	3.137	6.5	20.5
4 21	12 11.31	+ 6 2.9	2.251	3.151	9.6	20.7
5 1	12 6.29	+ 6 0.0	2.345	3.166	12.3	20.9
242161 2003 FO_{42}			3 28.4 318°.16	2°.2/25.6 18		
2 21	12 45.73	− 2 6.1	1.959	2.790	13.1	19.4
3 2	12 43.24	− 0 43.5	1.861	2.771	9.9	19.1
3 12	12 38.82	+ 0 54.5	1.788	2.751	6.3	18.8
3 22	12 32.97	+ 2 41.5	1.741	2.732	2.8	18.6
4 1	12 26.43	+ 4 29.3	1.724	2.714	3.6	18.6
4 11	12 20.10	+ 6 8.5	1.734	2.695	7.5	18.8
4 21	12 14.79	+ 7 31.6	1.770	2.678	11.4	19.0
5 1	12 11.20	+ 8 33.6	1.829	2.660	14.8	19.2
277855 2006 HN_{150}			3 28.4 116°.93	0°.8/29.2 17		
2 21	12 51.33	− 8 39.8	2.103	2.900	13.6	21.1
3 2	12 47.17	− 8 5.6	2.024	2.909	10.6	20.9
3 12	12 41.14	− 7 16.4	1.969	2.919	7.0	20.7
3 22	12 33.82	− 6 15.7	1.940	2.928	3.1	20.5
4 1	12 25.99	− 5 8.5	1.939	2.937	1.4	20.4
4 11	12 18.54	− 4 1.6	1.968	2.946	5.2	20.6
4 21	12 12.24	− 3 0.9	2.024	2.954	8.9	20.9
5 1	12 7.66	− 2 11.3	2.104	2.962	12.1	21.1
360407 2002 GS_{42}			3 28.4 333°.86	1°.6/27.3 18		
2 21	12 52.24	− 1 25.0	1.246	2.094	18.1	20.2
3 2	12 49.26	− 1 8.4	1.167	2.083	13.9	19.9
3 12	12 43.23	− 0 37.8	1.107	2.072	9.0	19.6
3 22	12 34.85	+ 0 1.5	1.071	2.063	3.5	19.3
4 1	12 25.35	+ 0 41.7	1.058	2.054	3.3	19.2
4 11	12 16.26	+ 1 14.1	1.070	2.046	8.8	19.5
4 21	12 8.97	+ 1 31.8	1.104	2.039	14.1	19.8
5 1	12 4.48	+ 1 30.7	1.158	2.033	18.7	20.0
198986 2005 VB_{82}			3 28.4 159°.60	3°.0/25.7 18		
2 21	12 56.02	+ 0 50.1	1.637	2.466	15.4	21.0
3 2	12 51.25	+ 1 51.1	1.564	2.472	11.6	20.7
3 12	12 44.01	+ 3 3.1	1.515	2.477	7.4	20.5
3 22	12 35.01	+ 4 18.9	1.492	2.481	3.5	20.3
4 1	12 25.32	+ 5 29.7	1.497	2.485	4.3	20.3
4 11	12 16.14	+ 6 27.5	1.528	2.488	8.5	20.6
4 21	12 8.50	+ 7 6.6	1.585	2.491	12.6	20.8
5 1	12 3.15	+ 7 24.7	1.664	2.493	16.2	21.1
331924 2004 RC_{272}			3 28.4 265°.75	0°.9/27.5 17		
2 21	12 51.77	− 3 49.2	1.985	2.800	13.6	21.9
3 2	12 47.85	− 3 9.7	1.884	2.783	10.5	21.7
3 12	12 41.81	− 2 16.8	1.807	2.765	6.7	21.4
3 22	12 34.18	− 1 14.5	1.756	2.748	2.6	21.1
4 1	12 25.75	− 0 8.8	1.734	2.729	2.2	21.0
4 11	12 17.53	+ 0 53.1	1.740	2.711	6.5	21.3
4 21	12 10.41	+ 1 45.1	1.772	2.693	10.6	21.5
5 1	12 5.14	+ 2 22.5	1.828	2.674	14.2	21.7
17577 1994 PD_{38}			3 28.4 326°.85	2°.4/25.7 18		
2 21	12 47.58	+ 0 5.0	1.942	2.776	13.1	18.0
3 2	12 44.60	+ 1 3.1	1.855	2.765	9.9	17.8
3 12	12 39.66	+ 2 11.9	1.791	2.754	6.3	17.5
3 22	12 33.29	+ 3 25.9	1.753	2.744	2.9	17.3
4 1	12 26.28	+ 4 37.9	1.744	2.734	3.6	17.3
4 11	12 19.55	+ 5 40.4	1.762	2.724	7.3	17.5
4 21	12 13.91	+ 6 28.0	1.805	2.715	11.1	17.7
5 1	12 10.03	+ 6 57.2	1.870	2.706	14.4	17.9
237198 2008 UH_{258}			3 28.4 116°.47	0°.5/28.9 17		
2 21	12 51.54	− 7 1.9	2.116	2.917	13.4	21.1
3 2	12 47.37	− 6 39.1	2.034	2.922	10.3	20.9
3 12	12 41.29	− 6 3.2	1.974	2.927	6.8	20.7
3 22	12 33.90	− 5 17.2	1.942	2.931	2.9	20.5
4 1	12 25.95	− 4 25.9	1.938	2.935	1.4	20.4
4 11	12 18.36	− 3 34.9	1.963	2.940	5.3	20.6
4 21	12 11.88	− 2 49.7	2.014	2.944	9.0	20.9
5 1	12 7.13	− 2 14.6	2.090	2.948	12.2	21.1

135505 2001 XY_{143} 3 28.4 176°.91 0°.6/28.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 52.63	− 7 31.5	2.005	2.805	14.0	20.7
3 2	12 48.34	− 7 5.5	1.919	2.807	10.9	20.4
3 12	12 42.00	− 6 24.9	1.856	2.807	7.2	20.2
3 22	12 34.20	− 5 32.9	1.819	2.808	3.1	20.0
4 1	12 25.78	− 4 34.5	1.810	2.808	1.4	19.8
4 11	12 17.69	− 3 36.1	1.831	2.808	5.6	20.1
4 21	12 10.80	− 2 43.9	1.878	2.808	9.5	20.3
5 1	12 5.75	− 2 2.8	1.949	2.807	13.0	20.6

502283 2015 BB_{139} 3 28.4 179°.15 0°.1/28.3 17

2 21	12 54.29	− 4 28.2	1.982	2.790	13.9	22.0
3 2	12 49.61	− 4 16.7	1.897	2.791	10.7	21.8
3 12	12 42.83	− 3 54.1	1.836	2.791	6.9	21.6
3 22	12 34.54	− 3 23.3	1.800	2.791	2.7	21.3
4 1	12 25.61	− 2 48.8	1.794	2.791	1.6	21.2
4 11	12 17.02	− 2 16.0	1.815	2.791	5.9	21.5
4 21	12 9.66	− 1 49.7	1.864	2.791	9.8	21.7
5 1	12 4.20	− 1 33.8	1.936	2.790	13.2	21.9

54931 2001 OY_{102} 3 28.4 117°.10 6°.2/ 3.6 18

2 21	12 56.80	−22 22.6	2.092	2.812	16.1	18.3
3 2	12 51.55	−22 56.7	2.011	2.827	13.6	18.2
3 12	12 44.09	−23 9.4	1.951	2.841	10.7	18.0
3 22	12 35.04	−22 59.4	1.914	2.855	8.0	17.9
4 1	12 25.33	−22 27.4	1.903	2.869	6.3	17.8
4 11	12 16.03	−21 38.0	1.920	2.882	6.9	17.8
4 21	12 8.06	−20 37.8	1.965	2.895	9.1	18.0
5 1	12 2.11	−19 34.4	2.034	2.907	11.9	18.2

277500 2005 WP_{133} 3 28.4 137°.12 2°.3/30.9 16

2 21	12 53.11	−12 48.6	2.142	2.917	14.1	22.0
3 2	12 48.55	−12 34.5	2.059	2.926	11.2	21.8
3 12	12 42.06	−12 3.5	1.998	2.935	7.8	21.6
3 22	12 34.21	−11 17.5	1.963	2.943	4.3	21.4
4 1	12 25.81	−10 20.4	1.957	2.951	2.4	21.3
4 11	12 17.78	− 9 18.1	1.980	2.959	5.1	21.5
4 21	12 10.92	− 8 16.9	2.030	2.966	8.6	21.7
5 1	12 5.83	− 7 22.5	2.105	2.973	11.8	21.9

148541 2001 QC_{119} 3 28.4 127°.08 2°.1/30.6 18

2 21	12 53.41	−12 13.3	2.044	2.824	14.5	20.6
3 2	12 48.84	−11 52.0	1.965	2.836	11.5	20.4
3 12	12 42.26	−11 13.3	1.908	2.848	7.9	20.2
3 22	12 34.29	−10 19.4	1.877	2.859	4.2	20.0
4 1	12 25.78	− 9 15.0	1.875	2.870	2.2	19.9
4 11	12 17.70	− 8 6.6	1.901	2.881	5.2	20.1
4 21	12 10.84	− 7 0.8	1.955	2.891	8.9	20.4
5 1	12 5.83	− 6 3.6	2.034	2.900	12.2	20.6

426453 2013 QW_{64} 3 28.4 190°.44 3°.2/24.9 17

2 21	12 53.13	+ 3 42.9	2.129	2.955	12.4	22.0
3 2	12 48.57	+ 4 39.7	2.048	2.954	9.4	21.8
3 12	12 42.08	+ 5 42.8	1.993	2.953	6.1	21.6
3 22	12 34.23	+ 6 46.5	1.965	2.951	3.4	21.5
4 1	12 25.82	+ 7 44.2	1.966	2.949	4.3	21.5
4 11	12 17.75	+ 8 30.0	1.996	2.946	7.5	21.7
4 21	12 10.81	+ 9 0.0	2.052	2.943	10.8	21.9
5 1	12 5.62	+ 9 12.3	2.130	2.940	13.8	22.1

358036 2006 FF_{37} 3 28.4 6°.63 3°.5/25.8 18

2 21	12 52.51	+ 1 25.8	1.229	2.083	17.9	20.0
3 2	12 49.32	+ 2 11.7	1.163	2.083	13.6	19.7
3 12	12 43.14	+ 3 9.7	1.117	2.084	8.7	19.4
3 22	12 34.78	+ 4 11.6	1.094	2.085	4.2	19.2
4 1	12 25.52	+ 5 7.6	1.096	2.087	5.0	19.2
4 11	12 16.88	+ 5 48.0	1.122	2.089	9.8	19.5
4 21	12 10.11	+ 6 7.2	1.170	2.092	14.7	19.8
5 1	12 6.08	+ 6 2.9	1.237	2.096	18.8	20.0

371257 2006 BP_{224} 3 28.4 86°.39 4°.3/23.5 18

2 21	12 51.42	+ 4 56.4	1.909	2.746	13.2	20.9
3 2	12 47.29	+ 6 27.3	1.854	2.765	9.9	20.7
3 12	12 41.22	+ 8 3.6	1.824	2.784	6.5	20.5
3 22	12 33.86	+ 9 37.3	1.822	2.803	4.4	20.4
4 1	12 26.08	+10 59.8	1.848	2.821	5.6	20.5
4 11	12 18.82	+12 4.4	1.901	2.840	8.7	20.8
4 21	12 12.84	+12 47.7	1.979	2.858	11.8	21.0
5 1	12 8.69	+13 8.5	2.079	2.875	14.5	21.2

507308 2011 OQ_{60} 3 28.4 184°.58 3°.5/ 1.7 17

2 21	12 52.79	−17 4.6	2.893	3.628	11.7	22.4
3 2	12 47.94	−17 17.3	2.793	3.628	9.6	22.3
3 12	12 41.53	−17 16.1	2.716	3.628	7.2	22.1
3 22	12 34.00	−17 1.2	2.666	3.627	4.8	21.9
4 1	12 25.97	−16 34.1	2.644	3.626	3.5	21.8
4 11	12 18.13	−15 58.0	2.653	3.624	4.5	21.9
4 21	12 11.12	−15 17.0	2.690	3.622	6.9	22.1
5 1	12 5.48	−14 35.6	2.754	3.620	9.4	22.2

388634 2007 TE_{103} 3 28.4 86°.32 2°.4/25.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 52.29	+ 2 29.4	2.214	3.038	12.1	21.2
3 2	12 47.75	+ 3 6.7	2.145	3.050	9.1	21.0
3 12	12 41.44	+ 3 49.4	2.102	3.062	5.8	20.8
3 22	12 33.95	+ 4 33.0	2.085	3.074	2.8	20.6
4 1	12 26.03	+ 5 12.2	2.098	3.086	3.4	20.7
4 11	12 18.53	+ 5 42.2	2.139	3.098	6.5	20.9
4 21	12 12.15	+ 6 0.0	2.207	3.110	9.7	21.1
5 1	12 7.41	+ 6 3.7	2.298	3.121	12.5	21.3

390238 2012 XG_{63} 3 28.4 233°.45 1°.8/30.7 17

2 21	12 48.69	−12 51.3	2.436	3.211	12.6	21.4
3 2	12 45.08	−12 18.2	2.338	3.206	10.0	21.2
3 12	12 39.80	−11 28.7	2.263	3.201	7.0	21.0
3 22	12 33.34	−10 24.9	2.214	3.196	3.7	20.8
4 1	12 26.35	− 9 10.8	2.195	3.190	1.9	20.7
4 11	12 19.60	− 7 52.4	2.205	3.184	4.6	20.8
4 21	12 13.77	− 6 35.9	2.243	3.179	7.9	21.0
5 1	12 9.41	− 5 26.8	2.307	3.173	10.9	21.2

434956 2006 UW_{49} 3 28.4 268°.22 0°.9/29.2 17

2 21	12 52.92	− 6 41.5	2.327	3.121	12.5	21.5
3 2	12 48.37	− 6 42.3	2.230	3.114	9.8	21.2
3 12	12 41.97	− 6 32.6	2.157	3.107	6.5	21.0
3 22	12 34.23	− 6 14.1	2.112	3.100	2.9	20.8
4 1	12 25.87	− 5 49.9	2.095	3.092	1.4	20.6
4 11	12 17.73	− 5 24.3	2.107	3.085	5.0	20.9
4 21	12 10.58	− 5 1.3	2.147	3.077	8.5	21.1
5 1	12 5.06	− 4 44.8	2.212	3.070	11.6	21.3

132057 2002 CG_{141} 3 28.4 325°.59 2°.2/30.1 17

2 21	12 46.79	−11 12.5	1.221	2.051	19.5	18.8
3 2	12 45.29	−10 55.2	1.131	2.032	15.6	18.5
3 12	12 40.84	−10 10.3	1.060	2.014	10.8	18.1
3 22	12 34.01	− 8 59.5	1.010	1.997	5.4	17.8
4 1	12 25.95	− 7 29.3	0.984	1.981	2.5	17.5
4 11	12 18.15	− 5 51.5	0.981	1.966	7.7	17.8
4 21	12 12.02	− 4 18.9	1.001	1.952	13.4	18.0
5 1	12 8.65	− 3 3.1	1.041	1.939	18.5	18.3

468123 2014 TC_{45} 3 28.4 357°.70 4°.4/25.8 16

2 21	12 56.25	+ 5 59.5	1.255	2.108	17.7	20.2
3 2	12 52.19	+ 6 12.4	1.186	2.105	13.5	20.0
3 12	12 45.01	+ 6 28.8	1.138	2.102	8.9	19.7
3 22	12 35.55	+ 6 41.8	1.113	2.101	4.9	19.5
4 1	12 25.15	+ 6 44.1	1.113	2.101	5.7	19.5
4 11	12 15.37	+ 6 29.8	1.137	2.101	10.1	19.7
4 21	12 7.56	+ 5 56.9	1.183	2.103	14.8	20.0
5 1	12 2.60	+ 5 5.5	1.249	2.105	18.9	20.3

502713 2015 DS_{24} 3 28.4 159°.31 1°.2/29.7 17

2 21	12 54.91	− 8 42.9	2.582	3.359	11.9	21.9
3 2	12 49.59	− 8 36.9	2.493	3.366	9.3	21.7
3 12	12 42.60	− 8 19.5	2.430	3.373	6.3	21.6
3 22	12 34.43	− 7 52.8	2.394	3.379	3.0	21.3
4 1	12 25.79	− 7 19.7	2.388	3.385	1.5	21.2
4 11	12 17.44	− 6 44.3	2.413	3.390	4.5	21.5
4 21	12 10.07	− 6 10.8	2.466	3.394	7.6	21.7
5 1	12 4.22	− 5 42.9	2.545	3.398	10.5	21.9

160968 2002 BP_{23} 3 28.4 314°.31 1°.8/29.5 17

2 21	12 57.72	− 6 31.9	1.672	2.478	16.2	19.1
3 2	12 52.88	− 7 6.6	1.577	2.466	12.8	18.8
3 12	12 45.34	− 7 30.1	1.504	2.454	8.7	18.5
3 22	12 35.70	− 7 43.0	1.456	2.442	4.2	18.2
4 1	12 25.01	− 7 47.4	1.435	2.431	2.2	18.1
4 11	12 14.55	− 7 47.2	1.441	2.420	6.5	18.3
4 21	12 5.52	− 7 47.0	1.473	2.410	11.1	18.5
5 1	11 58.86	− 7 51.5	1.528	2.400	15.2	18.8

168519 1999 TS_{193} 3 28.4 141°.30 3°.3/31.5 18

2 21	12 55.17	−14 27.9	1.895	2.667	15.8	20.4
3 2	12 50.43	−14 25.1	1.813	2.676	12.7	20.2
3 12	12 43.44	−14 2.6	1.752	2.684	9.1	20.0
3 22	12 34.84	−13 21.7	1.715	2.691	5.4	19.8
4 1	12 25.57	−12 26.0	1.707	2.699	3.3	19.6
4 11	12 16.72	−11 22.0	1.727	2.705	5.7	19.8
4 21	12 9.22	−10 17.0	1.773	2.712	9.4	20.0
5 1	12 3.78	− 9 18.0	1.844	2.717	12.9	20.3

267422 2002 CN_{36} 3 28.4 87°.08 1°.8/26.6 18

2 21	12 53.72	− 1 3.1	1.869	2.691	14.1	20.9
3 2	12 49.08	− 0 15.9	1.807	2.710	10.6	20.7
3 12	12 42.40	+ 0 41.0	1.769	2.730	6.6	20.5
3 22	12 34.36	+ 1 42.1	1.758	2.749	2.7	20.3
4 1	12 25.88	+ 2 40.7	1.776	2.768	3.0	20.4
4 11	12 17.94	+ 3 30.4	1.821	2.787	6.8	20.6
4 21	12 11.35	+ 4 6.5	1.893	2.805	10.5	20.9
5 1	12 6.70	+ 4 26.5	1.987	2.824	13.6	21.1

350545 2000 SV_{173} 3 28.4 160°.23 3°.0/ 1.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 51.85	−17 2.4	3.358	4.087	10.4	22.8
3 2	12 46.98	−17 7.0	3.262	4.094	8.5	22.7
3 12	12 40.79	−16 59.2	3.190	4.101	6.3	22.6
3 22	12 33.70	−16 39.6	3.146	4.107	4.2	22.4
4 1	12 26.23	−16 9.8	3.131	4.113	3.0	22.4
4 11	12 18.96	−15 32.8	3.147	4.118	3.9	22.4
4 21	12 12.42	−14 51.9	3.192	4.123	6.0	22.6
5 1	12 7.04	−14 11.1	3.264	4.127	8.1	22.7

423572 2005 VF_{6} 3 28.4 162°.13 0°.4/28.8 15

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 54.55	− 6 38.3	2.481	3.270	12.0	22.6
3 2	12 49.37	− 6 16.6	2.395	3.277	9.3	22.4
3 12	12 42.48	− 5 43.9	2.334	3.283	6.1	22.2
3 22	12 34.40	− 5 2.8	2.300	3.289	2.5	22.0
4 1	12 25.84	− 4 17.3	2.297	3.294	1.2	21.9
4 11	12 17.60	− 3 32.2	2.323	3.299	4.8	22.1
4 21	12 10.36	− 2 51.8	2.379	3.302	8.1	22.3
5 1	12 4.68	− 2 20.0	2.459	3.305	11.0	22.5

388376 2006 UW_{158} 3 28.4 105°.86 0°.1/28.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 48.57	− 6 49.0	2.356	3.158	12.2	21.6
3 2	12 44.96	− 6 4.3	2.271	3.162	9.3	21.4
3 12	12 39.70	− 5 6.7	2.211	3.165	6.0	21.2
3 22	12 33.31	− 3 59.8	2.178	3.168	2.4	21.0
4 1	12 26.46	− 2 48.9	2.174	3.172	1.3	20.9
4 11	12 19.90	− 1 40.0	2.200	3.175	5.0	21.1
4 21	12 14.29	− 0 38.5	2.253	3.178	8.4	21.4
5 1	12 10.18	+ 0 11.5	2.331	3.182	11.4	21.6

168379 1997 GB_{15} 3 28.4 53°.79 1°.2/29.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 53.81	− 8 22.6	1.413	2.231	18.0	20.0
3 2	12 49.87	− 8 8.2	1.350	2.246	14.0	19.8
3 12	12 43.26	− 7 34.6	1.307	2.261	9.3	19.6
3 22	12 34.79	− 6 45.6	1.288	2.277	4.1	19.3
4 1	12 25.64	− 5 47.7	1.295	2.292	1.9	19.2
4 11	12 17.16	− 4 49.7	1.328	2.308	6.7	19.5
4 21	12 10.40	− 3 59.3	1.385	2.324	11.4	19.8
5 1	12 6.12	− 3 22.5	1.464	2.341	15.4	20.1

310906 2003 SD_{45} 3 28.4 161°.12 0°.6/27.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 55.23	− 4 21.9	1.996	2.802	13.9	21.6
3 2	12 50.28	− 3 42.2	1.915	2.809	10.6	21.4
3 12	12 43.24	− 2 49.8	1.859	2.815	6.8	21.2
3 22	12 34.74	− 1 49.1	1.829	2.820	2.6	20.9
4 1	12 25.66	− 0 46.0	1.828	2.825	2.0	20.9
4 11	12 16.97	+ 0 12.6	1.857	2.829	6.1	21.2
4 21	12 9.54	+ 1 1.3	1.913	2.832	10.0	21.4
5 1	12 4.02	+ 1 35.9	1.992	2.834	13.4	21.6

266546 2008 FA_{124} 3 28.4 255°.76 3°.2/25.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 53.22	+ 2 56.8	1.944	2.773	13.3	20.9
3 2	12 48.98	+ 3 49.9	1.852	2.759	10.1	20.7
3 12	12 42.56	+ 4 51.2	1.783	2.744	6.6	20.4
3 22	12 34.54	+ 5 55.0	1.742	2.729	3.5	20.2
4 1	12 25.74	+ 6 53.9	1.729	2.714	4.4	20.2
4 11	12 17.20	+ 7 41.2	1.743	2.698	8.0	20.4
4 21	12 9.83	+ 8 12.0	1.783	2.682	11.8	20.6
5 1	12 4.38	+ 8 23.7	1.846	2.666	15.2	20.8

174005 2001 XU_{262} 3 28.4 210°.20 0°.2/28.0 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 50.54	− 4 32.1	3.113	3.905	9.7	22.6
3 2	12 46.09	− 4 1.2	3.011	3.897	7.4	22.4
3 12	12 40.29	− 3 21.8	2.936	3.889	4.8	22.2
3 22	12 33.53	− 2 36.6	2.889	3.880	1.9	22.0
4 1	12 26.35	− 1 49.1	2.873	3.870	1.2	21.9
4 11	12 19.34	− 1 3.2	2.888	3.860	4.2	22.1
4 21	12 13.04	− 0 22.3	2.932	3.849	7.0	22.3
5 1	12 7.91	+ 0 10.4	3.002	3.838	9.5	22.4

501485 2014 CW_{4} 3 28.4 145°.15 2°.9/31.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 52.44	−14 15.7	2.513	3.272	12.7	21.4
3 2	12 47.85	−14 22.9	2.422	3.277	10.2	21.3
3 12	12 41.56	−14 15.7	2.355	3.282	7.4	21.1
3 22	12 34.07	−13 54.9	2.314	3.286	4.5	20.9
4 1	12 26.05	−13 22.7	2.301	3.290	2.9	20.8
4 11	12 18.30	−12 43.3	2.318	3.294	4.7	20.9
4 21	12 11.52	−12 1.2	2.362	3.298	7.5	21.1
5 1	12 6.26	−11 21.3	2.433	3.302	10.3	21.3

272996 2006 DE_{49} 3 28.4 47°.03 0°.6/28.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 55.67	− 5 8.2	1.749	2.560	15.3	20.3
3 2	12 50.88	− 5 15.4	1.675	2.569	11.8	20.1
3 12	12 43.75	− 5 10.7	1.623	2.578	7.8	19.9
3 22	12 34.98	− 4 56.7	1.597	2.587	3.3	19.6
4 1	12 25.55	− 4 37.5	1.598	2.596	1.6	19.5
4 11	12 16.60	− 4 18.1	1.627	2.605	6.1	19.8
4 21	12 9.10	− 4 3.5	1.682	2.615	10.2	20.1
5 1	12 3.75	− 3 57.4	1.760	2.625	13.8	20.3

428293 2007 EL_{139} 3 28.4 257°.24 2°.4/26.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 53.30	+ 1 11.2	2.019	2.843	13.1	21.4
3 2	12 48.96	+ 1 51.9	1.924	2.828	10.0	21.1
3 12	12 42.52	+ 2 41.3	1.853	2.814	6.4	20.9
3 22	12 34.52	+ 3 34.4	1.809	2.799	3.0	20.6
4 1	12 25.77	+ 4 25.1	1.794	2.784	3.5	20.6
4 11	12 17.27	+ 5 7.0	1.807	2.769	7.2	20.8
4 21	12 9.89	+ 5 35.6	1.846	2.753	11.0	21.0
5 1	12 4.35	+ 5 47.8	1.908	2.737	14.4	21.2

508406 2016 GM_{256} 3 28.4 244°.87 1°.5/26.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 50.07	− 2 46.6	2.353	3.165	11.9	22.3
3 2	12 46.22	− 1 40.0	2.252	3.150	9.0	22.1
3 12	12 40.62	− 0 21.1	2.176	3.135	5.7	21.8
3 22	12 33.73	+ 1 5.5	2.128	3.119	2.3	21.6
4 1	12 26.23	+ 2 33.4	2.110	3.102	2.6	21.6
4 11	12 18.92	+ 3 55.6	2.122	3.085	6.2	21.8
4 21	12 12.52	+ 5 6.2	2.161	3.068	9.6	21.9
5 1	12 7.64	+ 6 1.1	2.225	3.050	12.7	22.1

240564 2004 SS_{2} 3 28.4 187°.39 0°.1/28.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 55.68	− 6 35.9	1.939	2.739	14.5	21.8
3 2	12 50.78	− 5 59.8	1.850	2.739	11.2	21.6
3 12	12 43.67	− 5 8.4	1.785	2.738	7.3	21.4
3 22	12 34.96	− 4 5.7	1.746	2.736	2.9	21.1
4 1	12 25.55	− 2 57.4	1.737	2.734	1.6	21.0
4 11	12 16.48	− 1 50.7	1.756	2.731	6.1	21.3
4 21	12 8.69	− 0 52.4	1.802	2.727	10.2	21.5
5 1	12 2.88	− 0 7.4	1.873	2.722	13.8	21.7

323812 2005 RE_{27} 3 28.4 137°.02 11°.4/ 3.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	13 10.64	−23 39.4	1.340	2.070	23.1	20.7
3 2	13 3.89	−25 44.1	1.265	2.080	20.0	20.5
3 12	12 53.09	−27 24.0	1.208	2.090	16.5	20.3
3 22	12 39.00	−28 30.2	1.171	2.099	13.3	20.1
4 1	12 23.20	−28 56.2	1.158	2.107	11.5	20.0
4 11	12 7.86	−28 43.8	1.170	2.115	12.1	20.1
4 21	11 54.93	−28 1.9	1.205	2.122	14.8	20.3
5 1	11 45.74	−27 4.2	1.261	2.128	18.0	20.5

412386 2013 QK_{56} 3 28.4 152°.56 0°.6/27.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 44.88	− 0 55.6	4.520	5.323	6.8	21.0
3 2	12 41.40	− 0 38.4	4.431	5.324	5.1	20.9
3 12	12 37.09	− 0 17.4	4.369	5.325	3.2	20.8
3 22	12 32.22	+ 0 5.5	4.335	5.326	1.2	20.6
4 1	12 27.14	+ 0 28.4	4.333	5.327	1.2	20.6
4 11	12 22.18	+ 0 49.1	4.361	5.328	3.1	20.7
4 21	12 17.69	+ 1 5.8	4.418	5.330	5.0	20.9
5 1	12 13.93	+ 1 17.0	4.502	5.331	6.7	21.0

260700 2005 JF_{120} 3 28.4 279°.83 1°.7/26.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 51.95	− 2 30.0	1.663	2.492	15.2	21.0
3 2	12 48.42	− 1 42.7	1.569	2.475	11.7	20.8
3 12	12 42.43	− 0 40.4	1.497	2.459	7.5	20.5
3 22	12 34.57	+ 0 31.6	1.450	2.442	3.0	20.2
4 1	12 25.77	+ 1 45.7	1.431	2.425	3.1	20.1
4 11	12 17.21	+ 2 52.9	1.438	2.408	7.8	20.4
4 21	12 9.98	+ 3 46.0	1.471	2.391	12.3	20.6
5 1	12 4.92	+ 4 19.8	1.525	2.374	16.4	20.8

41099 1999 VL_{64} 3 28.4 101°.42 0°.8/27.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 51.89	− 3 26.3	1.989	2.805	13.6	19.9
3 2	12 47.76	− 2 52.9	1.910	2.809	10.3	19.7
3 12	12 41.65	− 2 8.0	1.855	2.813	6.6	19.5
3 22	12 34.14	− 1 15.8	1.826	2.817	2.5	19.2
4 1	12 26.06	− 0 22.1	1.825	2.821	2.0	19.2
4 11	12 18.36	+ 0 26.9	1.853	2.825	6.1	19.5
4 21	12 11.85	+ 1 6.2	1.907	2.829	9.9	19.7
5 1	12 7.15	+ 1 32.1	1.985	2.833	13.2	19.9

500023 2011 RA_{3} 3 28.4 356°.28 4°.7/ 2.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 50.88	−18 17.4	2.111	2.864	15.0	21.2
3 2	12 47.11	−18 35.0	2.018	2.863	12.4	21.0
3 12	12 41.31	−18 33.4	1.947	2.862	9.4	20.9
3 22	12 34.04	−18 12.4	1.900	2.861	6.5	20.7
4 1	12 26.10	−17 33.7	1.880	2.861	4.7	20.6
4 11	12 18.42	−16 42.2	1.887	2.861	5.9	20.6
4 21	12 11.87	−15 43.9	1.921	2.861	8.7	20.8
5 1	12 7.12	−14 45.8	1.979	2.861	11.8	21.0

409402 2005 EA_{270} 3 28.4 15°.62 2°.0/26.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 50.52	− 1 58.7	1.247	2.096	18.0	20.6
3 2	12 47.74	− 1 15.0	1.182	2.099	13.7	20.4
3 12	12 42.11	− 0 15.4	1.138	2.103	8.7	20.1
3 22	12 34.42	+ 0 52.8	1.116	2.108	3.5	19.8
4 1	12 25.91	+ 2 0.1	1.119	2.114	3.6	19.8
4 11	12 18.01	+ 2 56.3	1.147	2.120	8.8	20.1
4 21	12 11.91	+ 3 34.1	1.197	2.128	13.7	20.4
5 1	12 8.41	+ 3 49.9	1.267	2.136	17.9	20.7

292854 2006 UN_{338} 3 28.4 243°.38 2°.0/25.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 51.14	+ 1 54.4	2.684	3.500	10.5	21.2
3 2	12 46.78	+ 2 30.7	2.586	3.487	7.9	21.0
3 12	12 40.85	+ 3 12.7	2.515	3.474	5.0	20.8
3 22	12 33.80	+ 3 56.8	2.471	3.460	2.4	20.6
4 1	12 26.24	+ 4 38.5	2.458	3.446	2.9	20.6
4 11	12 18.87	+ 5 13.4	2.474	3.432	5.8	20.8
4 21	12 12.32	+ 5 38.2	2.517	3.417	8.7	21.0
5 1	12 7.13	+ 5 50.7	2.585	3.402	11.4	21.1

463014 2011 GO_{29} 3 28.4 261°.38 1°.5/26.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 49.10	− 3 57.8	1.954	2.775	13.6	21.5
3 2	12 45.77	− 2 45.6	1.866	2.769	10.3	21.2
3 12	12 40.45	− 1 18.2	1.802	2.763	6.5	21.0
3 22	12 33.70	+ 0 18.8	1.765	2.756	2.5	20.7
4 1	12 26.31	+ 1 57.4	1.756	2.750	2.8	20.7
4 11	12 19.21	+ 3 29.1	1.777	2.744	6.8	20.9
4 21	12 13.25	+ 4 46.6	1.823	2.737	10.7	21.2
5 1	12 9.06	+ 5 45.1	1.893	2.731	14.1	21.4

514609 2003 TY_{7} 3 28.4 122°.56 30°.4/28.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	15 18.00	+62 49.0	1.217	1.768	32.5	21.8
3 2	14 46.42	+64 52.4	1.182	1.778	31.7	21.8
3 12	13 58.98	+65 50.0	1.157	1.787	31.0	21.7
3 22	13 2.87	+64 48.6	1.146	1.796	30.5	21.7
4 1	12 12.11	+61 27.5	1.152	1.804	30.5	21.7
4 11	11 35.64	+56 15.4	1.180	1.812	30.9	21.8
4 21	11 13.28	+50 1.3	1.228	1.819	31.6	21.9
5 1	11 1.52	+43 26.6	1.297	1.825	32.4	22.0

2271 Kiso 3 28.4 234°.75 1°.4/26.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 51.42	− 1 59.6	2.054	2.873	13.1	15.6
3 2	12 47.42	− 1 17.3	1.968	2.869	9.9	15.4
3 12	12 41.46	− 0 24.1	1.905	2.865	6.3	15.2
3 22	12 34.09	+ 0 35.3	1.869	2.860	2.5	14.9
4 1	12 26.10	+ 1 35.0	1.861	2.855	2.6	14.9
4 11	12 18.42	+ 2 28.7	1.882	2.850	6.4	15.1
4 21	12 11.85	+ 3 11.0	1.929	2.845	10.1	15.4
5 1	12 7.04	+ 3 38.6	2.000	2.840	13.4	15.5

500611 2012 UU_{138} 3 28.4 127°.30 3°.1/31.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 56.43	−13 11.8	2.442	3.200	13.0	21.6
3 2	12 50.93	−13 39.8	2.353	3.207	10.5	21.5
3 12	12 43.58	−13 54.7	2.288	3.215	7.6	21.3
3 22	12 34.90	−13 56.8	2.250	3.222	4.6	21.1
4 1	12 25.65	−13 47.6	2.240	3.229	3.1	21.0
4 11	12 16.69	−13 30.1	2.261	3.236	4.9	21.1
4 21	12 8.77	−13 8.7	2.310	3.242	7.8	21.3
5 1	12 2.53	−12 47.6	2.384	3.249	10.7	21.5

45678 2000 EQ_{127} 3 28.4 80°.85 4°.0/23.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 49.63	+ 4 21.1	2.029	2.865	12.6	18.0
3 2	12 45.94	+ 5 47.4	1.965	2.876	9.4	17.8
3 12	12 40.41	+ 7 19.9	1.926	2.887	6.2	17.6
3 22	12 33.63	+ 8 51.3	1.915	2.898	4.0	17.5
4 1	12 26.39	+10 13.5	1.933	2.909	5.2	17.6
4 11	12 19.57	+11 20.1	1.978	2.920	8.2	17.8
4 21	12 13.90	+12 6.8	2.049	2.931	11.3	18.0
5 1	12 9.94	+12 32.3	2.141	2.941	14.0	18.2

425025 2009 FR_{67} 3 28.4 278°.01 1°.7/27.0 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 54.61	− 1 18.0	1.651	2.479	15.4	21.5
3 2	12 50.55	− 0 47.3	1.553	2.458	11.8	21.2
3 12	12 43.89	− 0 3.9	1.477	2.438	7.6	20.9
3 22	12 35.19	+ 0 47.3	1.426	2.417	3.1	20.6
4 1	12 25.44	+ 1 39.6	1.402	2.396	3.1	20.5
4 11	12 15.87	+ 2 25.2	1.405	2.375	7.9	20.8
4 21	12 7.65	+ 2 57.6	1.432	2.353	12.6	21.0
5 1	12 1.71	+ 3 12.5	1.482	2.332	16.7	21.2

16116 Balakrishnan 3 28.4 227°.84 0°.6/27.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 54.43	− 4 37.0	2.079	2.883	13.5	19.5
3 2	12 49.80	− 3 57.9	1.979	2.871	10.4	19.2
3 12	12 43.07	− 3 5.5	1.903	2.858	6.7	19.0
3 22	12 34.77	− 2 3.6	1.853	2.845	2.6	18.7
4 1	12 25.71	− 0 57.7	1.834	2.830	1.9	18.6
4 11	12 16.87	+ 0 5.2	1.843	2.815	6.2	18.9
4 21	12 9.13	+ 0 59.2	1.880	2.799	10.2	19.1
5 1	12 3.23	+ 1 39.5	1.940	2.782	13.7	19.2

267433 2002 CR_{124} 3 28.4 111°.50 1°.0/27.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 51.17	− 3 56.9	1.908	2.726	14.0	20.4
3 2	12 47.30	− 3 7.1	1.831	2.731	10.6	20.2
3 12	12 41.39	− 2 4.0	1.777	2.736	6.7	19.9
3 22	12 34.06	− 0 52.7	1.749	2.741	2.6	19.7
4 1	12 26.15	+ 0 20.0	1.750	2.745	2.3	19.7
4 11	12 18.64	+ 1 26.8	1.779	2.750	6.4	19.9
4 21	12 12.35	+ 2 21.7	1.834	2.755	10.3	20.2
5 1	12 7.92	+ 3 0.6	1.913	2.759	13.7	20.4

372515 2009 SA_{297} 3 28.4 182°.81 2°.8/30.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 56.96	−11 51.8	2.123	2.895	14.3	21.2
3 2	12 51.67	−12 10.2	2.030	2.895	11.5	21.0
3 12	12 44.23	−12 14.1	1.961	2.895	8.1	20.7
3 22	12 35.22	−12 4.2	1.917	2.895	4.6	20.5
4 1	12 25.49	−11 42.5	1.902	2.894	2.8	20.4
4 11	12 16.05	−11 13.3	1.916	2.893	5.4	20.6
4 21	12 7.80	−10 41.9	1.958	2.892	8.9	20.8
5 1	12 1.44	−10 13.3	2.024	2.890	12.2	21.0

28752 2000 GZ_{176} 3 28.4 219°.39 0°.4/28.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 56.16	− 6 46.8	1.710	2.516	15.8	19.8
3 2	12 51.55	− 6 23.1	1.618	2.509	12.3	19.6
3 12	12 44.41	− 5 42.9	1.548	2.501	8.1	19.3
3 22	12 35.36	− 4 49.5	1.503	2.493	3.4	19.0
4 1	12 25.40	− 3 48.6	1.487	2.484	1.7	18.9
4 11	12 15.75	− 2 48.0	1.498	2.475	6.6	19.1
4 21	12 7.50	− 1 55.0	1.535	2.464	11.3	19.4
5 1	12 1.51	− 1 15.4	1.595	2.454	15.3	19.6

506392 2017 RU_{12} 3 28.4 237°.73 2°.6/25.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 52.00	+ 0 55.7	2.180	3.002	12.3	22.1
3 2	12 47.83	+ 1 59.3	2.085	2.989	9.3	21.9
3 12	12 41.73	+ 3 12.7	2.015	2.975	6.0	21.7
3 22	12 34.23	+ 4 30.4	1.972	2.961	2.9	21.4
4 1	12 26.05	+ 5 45.7	1.959	2.946	3.7	21.5
4 11	12 18.10	+ 6 51.5	1.974	2.930	7.2	21.6
4 21	12 11.17	+ 7 42.6	2.016	2.914	10.7	21.8
5 1	12 5.92	+ 8 16.0	2.082	2.898	13.8	22.0

94659 2001 WU_{90} 3 28.4 288°.51 6°.4/ 2.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 53.68	−18 15.3	1.460	2.237	19.5	19.5
3 2	12 50.39	−18 49.7	1.362	2.221	16.3	19.2
3 12	12 44.10	−18 59.1	1.283	2.206	12.6	18.9
3 22	12 35.39	−18 40.9	1.225	2.190	8.7	18.6
4 1	12 25.35	−17 55.4	1.191	2.174	6.4	18.5
4 11	12 15.46	−16 48.5	1.182	2.159	8.1	18.5
4 21	12 7.15	−15 30.0	1.197	2.144	12.1	18.7
5 1	12 1.53	−14 11.3	1.234	2.128	16.5	18.9

439006 2010 WL_{71} 3 28.4 323°.70 15°.8/11.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 51.07	−36 19.3	1.201	1.899	26.8	20.3
3 2	12 49.41	−37 46.3	1.121	1.894	24.6	20.1
3 12	12 44.01	−38 32.2	1.053	1.889	22.0	19.9
3 22	12 35.48	−38 26.4	0.999	1.884	19.2	19.6
4 1	12 25.29	−37 21.7	0.962	1.880	16.9	19.5
4 11	12 15.49	−35 20.6	0.943	1.876	15.8	19.4
4 21	12 7.99	−32 35.6	0.944	1.872	16.6	19.4
5 1	12 4.11	−29 27.0	0.965	1.869	19.0	19.5

417749 2007 DG_{19} 3 28.4 64°.81 1°.4/29.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 55.70	− 8 16.2	1.629	2.435	16.5	21.4
3 2	12 50.94	− 8 11.4	1.568	2.456	12.8	21.2
3 12	12 43.78	− 7 50.4	1.527	2.478	8.5	21.0
3 22	12 35.01	− 7 16.1	1.512	2.499	3.9	20.7
4 1	12 25.69	− 6 33.8	1.523	2.521	1.8	20.6
4 11	12 17.01	− 5 50.3	1.562	2.542	6.0	21.0
4 21	12 9.91	− 5 11.8	1.627	2.564	10.2	21.3
5 1	12 5.07	− 4 43.3	1.715	2.585	13.9	21.5

302203 2001 UQ_{111} 3 28.4 256°.94 2°.0/30.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 54.19	−11 13.5	1.650	2.447	16.7	21.4
3 2	12 50.31	−10 54.1	1.548	2.430	13.4	21.2
3 12	12 43.79	−10 13.2	1.466	2.412	9.3	20.9
3 22	12 35.19	− 9 12.3	1.408	2.393	4.7	20.5
4 1	12 25.49	− 7 56.3	1.377	2.374	2.3	20.3
4 11	12 15.96	− 6 33.6	1.374	2.354	6.6	20.5
4 21	12 7.79	− 5 13.7	1.396	2.334	11.5	20.8
5 1	12 1.94	− 4 5.2	1.441	2.314	15.9	21.0

8784 1977 RQ_{19} 3 28.4 179°.54 1°.0/27.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 53.86	− 4 1.8	1.764	2.582	15.0	19.1
3 2	12 49.57	− 3 17.9	1.683	2.583	11.4	18.9
3 12	12 42.99	− 2 19.6	1.625	2.583	7.3	18.6
3 22	12 34.75	− 1 12.0	1.592	2.584	2.8	18.4
4 1	12 25.80	− 0 2.1	1.588	2.584	2.3	18.3
4 11	12 17.26	+ 1 2.3	1.611	2.583	6.9	18.6
4 21	12 10.07	+ 1 54.7	1.660	2.582	11.1	18.9
5 1	12 4.98	+ 2 30.4	1.732	2.581	14.8	19.1

339035 2004 HV_{62} 3 28.4 354°.92 1°.6/26.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 51.60	+ 0 2.8	1.996	2.822	13.2	20.9
3 2	12 47.58	+ 0 25.7	1.915	2.820	10.0	20.7
3 12	12 41.57	+ 0 56.5	1.857	2.818	6.3	20.5
3 22	12 34.16	+ 1 31.0	1.826	2.817	2.6	20.2
4 1	12 26.14	+ 2 4.2	1.823	2.816	2.7	20.2
4 11	12 18.47	+ 2 30.8	1.848	2.816	6.5	20.5
4 21	12 11.96	+ 2 46.7	1.898	2.816	10.2	20.7
5 1	12 7.25	+ 2 49.5	1.972	2.816	13.4	20.9

376007 2010 AL_{27} 3 28.4 163°.19 0°.2/28.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 52.97	− 4 41.5	2.229	3.033	12.7	21.7
3 2	12 48.41	− 4 15.0	2.145	3.036	9.7	21.5
3 12	12 42.00	− 3 37.4	2.084	3.039	6.3	21.3
3 22	12 34.30	− 2 52.1	2.051	3.042	2.4	21.0
4 1	12 26.07	− 2 4.0	2.048	3.045	1.5	21.0
4 11	12 18.16	− 1 18.3	2.073	3.047	5.4	21.2
4 21	12 11.33	− 0 39.7	2.126	3.049	9.0	21.5
5 1	12 6.16	− 0 12.0	2.203	3.050	12.1	21.7

376503 2012 KN_{46} 3 28.4 281°.38 1°.6/29.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 50.28	−11 1.3	1.819	2.617	15.4	20.5
3 2	12 46.90	−10 29.9	1.727	2.611	12.1	20.3
3 12	12 41.31	− 9 38.7	1.657	2.605	8.3	20.1
3 22	12 34.11	− 8 30.3	1.612	2.598	4.0	19.8
4 1	12 26.16	− 7 10.4	1.595	2.592	1.8	19.6
4 11	12 18.51	− 5 46.9	1.605	2.586	5.8	19.9
4 21	12 12.10	− 4 28.3	1.642	2.580	10.1	20.1
5 1	12 7.66	− 3 21.5	1.702	2.574	13.9	20.3

125811 2001 XP_{162} 3 28.4 100°.93 2°.4/26.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 53.31	+ 0 40.1	1.849	2.677	14.0	19.9
3 2	12 48.93	+ 1 27.8	1.780	2.686	10.5	19.7
3 12	12 42.44	+ 2 24.5	1.734	2.695	6.7	19.5
3 22	12 34.49	+ 3 24.2	1.714	2.704	3.0	19.2
4 1	12 25.99	+ 4 20.1	1.723	2.713	3.6	19.3
4 11	12 17.97	+ 5 5.8	1.760	2.722	7.3	19.5
4 21	12 11.27	+ 5 36.7	1.822	2.731	11.0	19.8
5 1	12 6.52	+ 5 50.5	1.906	2.739	14.2	20.0

24367 2000 AC_{126} 3 28.4 263°.06 5°.2/22.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 52.52	+ 6 41.8	1.920	2.758	13.1	17.9
3 2	12 48.60	+ 8 15.8	1.825	2.735	10.1	17.6
3 12	12 42.45	+ 9 58.3	1.754	2.712	7.0	17.4
3 22	12 34.59	+11 41.1	1.711	2.688	5.2	17.2
4 1	12 25.87	+13 14.4	1.696	2.663	6.7	17.3
4 11	12 17.32	+14 29.5	1.708	2.638	10.1	17.4
4 21	12 9.91	+15 20.9	1.745	2.613	13.6	17.6
5 1	12 4.44	+15 46.3	1.802	2.586	16.8	17.7

153900 2001 XZ_{216} 3 28.4 326°.22 6°.3/23.0 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 52.03	+ 9 12.3	1.518	2.371	15.2	19.7
3 2	12 48.61	+10 16.1	1.442	2.358	11.7	19.5
3 12	12 42.60	+11 23.2	1.388	2.347	8.3	19.2
3 22	12 34.66	+12 24.9	1.359	2.336	6.3	19.1
4 1	12 25.86	+13 11.5	1.355	2.325	7.7	19.1
4 11	12 17.48	+13 35.7	1.376	2.315	11.2	19.3
4 21	12 10.61	+13 34.2	1.419	2.306	15.0	19.5
5 1	12 6.10	+13 7.1	1.481	2.297	18.4	19.7

496128 2010 LJ_{10} 3 28.4 252°.59 7°.4/ 3.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 57.85	−23 23.7	1.997	2.713	16.9	22.1
3 2	12 53.00	−24 10.4	1.882	2.693	14.6	21.8
3 12	12 45.52	−24 36.0	1.786	2.671	11.9	21.6
3 22	12 35.92	−24 37.0	1.713	2.650	9.2	21.4
4 1	12 25.08	−24 11.8	1.666	2.627	7.5	21.2
4 11	12 14.24	−23 23.2	1.646	2.604	8.1	21.2
4 21	12 4.59	−22 17.5	1.652	2.580	10.7	21.3
5 1	11 57.13	−21 3.6	1.682	2.555	13.9	21.5

54301 2000 JG_{64} 3 28.4 347°.99 4°.7/24.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 52.55	+ 5 24.2	1.416	2.268	16.1	18.1
3 2	12 49.09	+ 6 11.8	1.345	2.263	12.3	17.9
3 12	12 42.93	+ 7 5.8	1.295	2.259	8.1	17.6
3 22	12 34.79	+ 7 58.4	1.269	2.255	4.9	17.4
4 1	12 25.81	+ 8 40.4	1.269	2.252	6.1	17.5
4 11	12 17.33	+ 9 4.6	1.293	2.249	10.1	17.7
4 21	12 10.49	+ 9 6.8	1.340	2.248	14.3	17.9
5 1	12 6.12	+ 8 46.2	1.407	2.247	18.0	18.1

191852 2004 VZ_{58} 3 28.4 187°.84 0°.8/29.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 52.48	− 8 25.2	2.453	3.239	12.2	21.7
3 2	12 47.93	− 7 59.5	2.360	3.239	9.5	21.5
3 12	12 41.66	− 7 21.0	2.290	3.237	6.3	21.3
3 22	12 34.17	− 6 32.3	2.248	3.236	2.8	21.1
4 1	12 26.16	− 5 37.3	2.236	3.234	1.3	21.0
4 11	12 18.40	− 4 41.4	2.254	3.231	4.7	21.2
4 21	12 11.60	− 3 49.4	2.300	3.228	8.1	21.4
5 1	12 6.33	− 3 5.9	2.371	3.224	11.1	21.6

142699 2002 TU_{251} 3 28.4 270°.86 2°.7/26.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 55.82	+ 1 35.1	1.752	2.579	14.6	20.7
3 2	12 51.34	+ 2 8.3	1.654	2.560	11.2	20.4
3 12	12 44.33	+ 2 50.7	1.579	2.540	7.2	20.1
3 22	12 35.38	+ 3 37.2	1.529	2.519	3.4	19.9
4 1	12 25.44	+ 4 20.8	1.508	2.498	3.9	19.8
4 11	12 15.69	+ 4 54.6	1.513	2.477	8.2	20.0
4 21	12 7.25	+ 5 13.5	1.544	2.455	12.5	20.2
5 1	12 1.00	+ 5 14.4	1.597	2.434	16.4	20.4

192700 1999 TJ_{61} 3 28.4 146°.18 1°.2/29.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 53.48	− 8 2.4	1.958	2.757	14.4	20.9
3 2	12 49.11	− 7 57.0	1.872	2.757	11.3	20.7
3 12	12 42.62	− 7 37.7	1.809	2.758	7.5	20.4
3 22	12 34.61	− 7 6.6	1.771	2.758	3.5	20.2
4 1	12 25.92	− 6 27.9	1.761	2.759	1.6	20.0
4 11	12 17.57	− 5 47.1	1.780	2.759	5.5	20.3
4 21	12 10.44	− 5 9.8	1.826	2.760	9.5	20.5
5 1	12 5.22	− 4 40.9	1.895	2.760	13.0	20.8

224277 2005 TU_{52} 3 28.4 342°.07 0°.2/28.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 54.42	− 4 11.3	1.745	2.561	15.2	20.7
3 2	12 50.05	− 3 58.2	1.663	2.561	11.7	20.5
3 12	12 43.34	− 3 32.6	1.603	2.560	7.5	20.2
3 22	12 34.92	− 2 58.0	1.569	2.560	3.0	19.9
4 1	12 25.75	− 2 19.8	1.562	2.560	1.8	19.8
4 11	12 16.98	− 1 44.0	1.583	2.559	6.5	20.1
4 21	12 9.59	− 1 16.3	1.630	2.559	10.8	20.4
5 1	12 4.32	− 1 0.7	1.699	2.559	14.5	20.6

164130 Jonckheere 3 28.4 166°.21 0°.3/28.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 52.18	− 4 23.9	2.358	3.161	12.1	20.8
3 2	12 47.72	− 3 57.6	2.272	3.164	9.3	20.6
3 12	12 41.53	− 3 21.2	2.211	3.166	5.9	20.4
3 22	12 34.12	− 2 37.8	2.178	3.168	2.3	20.2
4 1	12 26.21	− 1 51.8	2.173	3.170	1.5	20.1
4 11	12 18.60	− 1 8.3	2.199	3.172	5.2	20.3
4 21	12 11.99	− 0 31.6	2.251	3.173	8.6	20.6
5 1	12 6.95	− 0 5.2	2.329	3.174	11.6	20.8

519938 2013 RF_{106} 3 28.4 220°.27 0°.2/28.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 51.99	− 6 42.5	2.035	2.839	13.8	22.3
3 2	12 47.93	− 6 10.0	1.944	2.835	10.6	22.1
3 12	12 41.84	− 5 23.2	1.876	2.830	6.9	21.8
3 22	12 34.30	− 4 25.4	1.835	2.825	2.8	21.6
4 1	12 26.10	− 3 22.0	1.822	2.820	1.5	21.5
4 11	12 18.19	− 2 19.6	1.838	2.814	5.7	21.7
4 21	12 11.40	− 1 24.3	1.881	2.809	9.6	21.9
5 1	12 6.42	− 0 41.2	1.948	2.803	13.1	22.2

52536 1996 TB_{20} 3 28.4 218°.34 2°.4/30.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 53.19	−11 48.1	2.405	3.177	12.8	19.7
3 2	12 48.58	−11 56.2	2.308	3.173	10.2	19.5
3 12	12 42.15	−11 51.0	2.234	3.170	7.2	19.3
3 22	12 34.40	−11 33.3	2.187	3.166	4.1	19.1
4 1	12 26.04	−11 5.7	2.168	3.161	2.4	18.9
4 11	12 17.90	−10 32.0	2.179	3.157	4.8	19.1
4 21	12 10.74	− 9 56.9	2.217	3.152	8.0	19.3
5 1	12 5.17	− 9 25.0	2.281	3.148	11.0	19.5

83635 2001 SF_{325} 3 28.4 20°.70 5°.1/22.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 50.43	+ 9 41.8	2.150	2.988	11.9	18.9
3 2	12 46.54	+10 50.5	2.080	2.989	9.1	18.7
3 12	12 40.82	+12 0.6	2.036	2.990	6.4	18.5
3 22	12 33.85	+13 5.5	2.018	2.991	5.1	18.4
4 1	12 26.38	+13 58.5	2.029	2.992	6.2	18.5
4 11	12 19.27	+14 34.3	2.066	2.993	8.8	18.7
4 21	12 13.26	+14 50.6	2.128	2.994	11.6	18.8
5 1	12 8.91	+14 46.7	2.212	2.995	14.1	19.0

238543 2004 VK_{36} 3 28.4 135°.09 1°.5/30.0 17 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 51.73	−10 24.0	2.088	2.877	14.0	20.8
3 2	12 47.62	−10 0.6	2.003	2.882	10.9	20.6
3 12	12 41.58	− 9 21.1	1.942	2.887	7.4	20.4
3 22	12 34.17	− 8 28.2	1.907	2.892	3.6	20.2
4 1	12 26.19	− 7 26.5	1.900	2.896	1.7	20.0
4 11	12 18.56	− 6 22.2	1.921	2.901	5.1	20.3
4 21	12 12.07	− 5 21.7	1.970	2.905	8.9	20.5
5 1	12 7.34	− 4 30.4	2.044	2.909	12.2	20.7

269965 2000 SM_{292} 3 28.4 209°.21 2°.0/30.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 55.99	−11 10.9	2.650	3.413	12.0	21.9
3 2	12 50.56	−11 13.3	2.544	3.405	9.6	21.7
3 12	12 43.37	−11 3.4	2.462	3.397	6.7	21.5
3 22	12 34.88	−10 42.4	2.408	3.388	3.6	21.3
4 1	12 25.78	−10 12.3	2.383	3.377	2.1	21.2
4 11	12 16.84	− 9 37.1	2.390	3.367	4.5	21.3
4 21	12 8.80	− 9 1.1	2.425	3.355	7.7	21.5
5 1	12 2.27	− 8 28.4	2.487	3.343	10.6	21.7

173955 2001 XU_{11} 3 28.4 84°.79 7°.1/ 6.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 53.34	−28 28.5	2.483	3.156	14.9	20.5
3 2	12 48.73	−29 1.8	2.403	3.174	12.9	20.4
3 12	12 42.23	−29 13.6	2.342	3.193	10.8	20.2
3 22	12 34.42	−29 2.3	2.304	3.211	8.7	20.1
4 1	12 26.07	−28 28.4	2.292	3.229	7.3	20.1
4 11	12 18.08	−27 35.4	2.306	3.247	7.2	20.1
4 21	12 11.21	−26 29.1	2.347	3.265	8.5	20.2
5 1	12 6.07	−25 16.3	2.413	3.282	10.4	20.4

507359 2011 WX_{64} 3 28.4 184.°05 6.°5/17.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 52.64	+25 28.8	3.432	4.236	8.7	22.3
3 2	12 47.57	+26 30.0	3.374	4.236	7.4	22.2
3 12	12 41.19	+27 23.5	3.343	4.236	6.6	22.2
3 22	12 33.93	+28 4.7	3.339	4.235	6.7	22.2
4 1	12 26.36	+28 29.8	3.362	4.233	7.4	22.2
4 11	12 19.07	+28 36.9	3.411	4.232	8.7	22.3
4 21	12 12.59	+28 25.8	3.484	4.229	10.1	22.4
5 1	12 7.33	+27 57.5	3.576	4.227	11.4	22.5

158489 2002 EQ_{22} 3 28.4 38.°14 3.°3/25.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 53.42	+ 3 10.6	1.642	2.481	14.9	19.6
3 2	12 49.28	+ 3 50.3	1.576	2.488	11.3	19.4
3 12	12 42.79	+ 4 37.0	1.532	2.495	7.2	19.1
3 22	12 34.68	+ 5 24.1	1.514	2.503	3.7	18.9
4 1	12 25.96	+ 6 4.6	1.523	2.511	4.5	19.0
4 11	12 17.77	+ 6 32.2	1.559	2.519	8.3	19.2
4 21	12 11.06	+ 6 43.0	1.619	2.528	12.2	19.5
5 1	12 6.52	+ 6 35.7	1.700	2.537	15.5	19.7

61275 2000 OE_{34} 3 28.4 187.°72 0.°5/28.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 52.48	− 7 49.8	2.290	3.082	12.8	20.4
3 2	12 48.06	− 7 14.7	2.198	3.082	9.9	20.2
3 12	12 41.81	− 6 25.9	2.131	3.081	6.5	20.0
3 22	12 34.27	− 5 26.3	2.090	3.079	2.8	19.7
4 1	12 26.17	− 4 20.9	2.079	3.077	1.3	19.6
4 11	12 18.35	− 3 15.7	2.098	3.074	5.1	19.9
4 21	12 11.55	− 2 16.3	2.145	3.071	8.7	20.1
5 1	12 6.38	− 1 27.4	2.217	3.068	11.9	20.3

19223 1993 QH_{8} 3 28.4 282.°24 1.°2/27.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 50.12	− 1 24.9	2.383	3.198	11.6	18.7
3 2	12 46.26	− 0 52.5	2.284	3.184	8.8	18.5
3 12	12 40.68	− 0 11.3	2.211	3.170	5.6	18.3
3 22	12 33.84	+ 0 35.0	2.164	3.155	2.2	18.0
4 1	12 26.41	+ 1 21.7	2.147	3.141	2.2	18.0
4 11	12 19.18	+ 2 3.8	2.159	3.127	5.7	18.2
4 21	12 12.85	+ 2 36.9	2.197	3.112	9.1	18.4
5 1	12 8.02	+ 2 57.8	2.260	3.098	12.1	18.6

141263 2001 YW_{25} 3 28.4 220.°56 3.°8/ 2.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 50.22	−18 9.3	2.526	3.269	13.0	20.4
3 2	12 46.30	−18 7.8	2.426	3.266	10.7	20.3
3 12	12 40.68	−17 49.0	2.348	3.262	8.1	20.1
3 22	12 33.83	−17 13.3	2.296	3.258	5.4	19.9
4 1	12 26.43	−16 23.0	2.271	3.254	3.8	19.8
4 11	12 19.24	−15 22.5	2.275	3.250	4.9	19.9
4 21	12 12.97	−14 17.2	2.307	3.245	7.6	20.0
5 1	12 8.20	−13 13.2	2.365	3.241	10.3	20.2

213417 2001 XZ_{30} 3 28.4 124.°81 0.°6/27.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 49.17	− 4 57.5	2.659	3.460	11.0	20.8
3 2	12 45.20	− 4 1.1	2.581	3.472	8.3	20.6
3 12	12 39.80	− 2 54.3	2.528	3.484	5.3	20.5
3 22	12 33.42	− 1 41.1	2.504	3.495	2.0	20.2
4 1	12 26.69	− 0 26.4	2.510	3.506	1.6	20.2
4 11	12 20.25	+ 0 44.1	2.547	3.517	4.8	20.5
4 21	12 14.68	+ 1 46.1	2.612	3.527	7.8	20.7
5 1	12 10.44	+ 2 35.9	2.702	3.537	10.5	20.9

504140 2006 SG_{39} 3 28.4 206.°17 1.°5/30.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 52.56	− 9 50.8	2.691	3.466	11.5	21.9
3 2	12 47.90	− 9 48.6	2.592	3.462	9.1	21.7
3 12	12 41.62	− 9 35.1	2.517	3.458	6.2	21.5
3 22	12 34.19	− 9 11.6	2.470	3.453	3.2	21.3
4 1	12 26.24	− 8 40.8	2.452	3.448	1.7	21.1
4 11	12 18.49	− 8 6.5	2.465	3.443	4.3	21.3
4 21	12 11.59	− 7 32.7	2.505	3.437	7.4	21.5
5 1	12 6.10	− 7 3.4	2.572	3.431	10.2	21.7

466184 2012 KB_{18} 3 28.4 303.°66 6.°7/21.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 50.49	+ 9 48.0	1.640	2.492	14.3	20.9
3 2	12 47.32	+11 20.8	1.561	2.477	11.1	20.6
3 12	12 41.73	+12 58.5	1.506	2.462	8.1	20.4
3 22	12 34.35	+14 31.2	1.476	2.447	6.7	20.3
4 1	12 26.14	+15 48.2	1.472	2.433	8.4	20.3
4 11	12 18.25	+16 41.1	1.493	2.418	11.6	20.5
4 21	12 11.73	+17 5.9	1.537	2.404	15.2	20.7
5 1	12 7.37	+17 1.9	1.599	2.391	18.3	20.9

465774 2009 WN_{230} 3 28.4 173.°14 5.°7/22.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 55.32	+11 28.6	1.985	2.819	12.9	21.2
3 2	12 50.40	+12 23.6	1.915	2.820	10.0	21.0
3 12	12 43.38	+13 18.0	1.870	2.821	7.2	20.8
3 22	12 34.91	+14 5.0	1.851	2.821	5.7	20.7
4 1	12 25.87	+14 37.9	1.860	2.821	6.8	20.8
4 11	12 17.27	+14 51.8	1.896	2.822	9.5	21.0
4 21	12 9.98	+14 45.3	1.956	2.822	12.5	21.2
5 1	12 4.62	+14 18.6	2.038	2.822	15.2	21.3

127525 2002 VE_{60} 3 28.4 159.°40 4.°6/22.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 53.45	+11 19.9	2.603	3.428	10.5	20.2
3 2	12 48.47	+12 11.6	2.533	3.434	8.1	20.1
3 12	12 41.91	+13 2.6	2.490	3.438	5.8	19.9
3 22	12 34.27	+13 47.7	2.474	3.443	4.6	19.9
4 1	12 26.23	+14 22.1	2.488	3.447	5.5	19.9
4 11	12 18.54	+14 42.1	2.530	3.451	7.7	20.1
4 21	12 11.82	+14 45.9	2.598	3.454	10.1	20.2
5 1	12 6.59	+14 33.5	2.689	3.457	12.3	20.4

6142 Tantawi 3 28.4 324.°78 0.°1/28.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 49.72	− 6 18.0	1.403	2.235	17.3	17.0
3 2	12 47.12	− 5 47.9	1.316	2.222	13.5	16.7
3 12	12 41.83	− 4 58.1	1.251	2.211	8.8	16.4
3 22	12 34.45	− 3 52.8	1.208	2.199	3.6	16.1
4 1	12 26.07	− 2 39.5	1.191	2.189	2.0	15.9
4 11	12 18.02	− 1 28.0	1.199	2.179	7.5	16.2
4 21	12 11.50	− 0 27.6	1.231	2.169	12.7	16.5
5 1	12 7.44	+ 0 14.9	1.284	2.161	17.1	16.7

504185 2006 TK_{27} 3 28.4 193.°48 0.°1/28.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 50.64	− 5 6.1	2.879	3.673	10.4	22.4
3 2	12 46.29	− 4 39.0	2.785	3.671	8.0	22.2
3 12	12 40.51	− 4 2.9	2.716	3.669	5.1	22.0
3 22	12 33.73	− 3 20.4	2.676	3.666	2.0	21.8
4 1	12 26.52	− 2 35.0	2.666	3.663	1.2	21.7
4 11	12 19.53	− 1 51.0	2.686	3.659	4.4	21.9
4 21	12 13.31	− 1 12.1	2.734	3.655	7.3	22.1
5 1	12 8.36	− 0 41.4	2.809	3.650	9.9	22.3

93845 2000 WF_{90} 3 28.4 178.°82 1.°8/26.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 53.96	+ 0 9.4	2.210	3.026	12.4	20.2
3 2	12 49.19	+ 0 44.2	2.128	3.027	9.4	20.0
3 12	12 42.55	+ 1 26.8	2.069	3.028	6.0	19.8
3 22	12 34.58	+ 2 12.9	2.038	3.029	2.5	19.5
4 1	12 26.07	+ 2 57.2	2.037	3.029	2.8	19.5
4 11	12 17.88	+ 3 34.4	2.064	3.028	6.3	19.8
4 21	12 10.79	+ 4 0.7	2.118	3.027	9.7	20.0
5 1	12 5.40	+ 4 13.5	2.197	3.026	12.7	20.2

416333 2003 SV_{202} 3 28.4 226.°16 0.°4/28.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 55.81	− 6 55.1	2.055	2.851	13.9	22.9
3 2	12 50.95	− 6 29.9	1.953	2.838	10.9	22.7
3 12	12 43.90	− 5 50.3	1.874	2.825	7.2	22.4
3 22	12 35.20	− 4 59.1	1.822	2.811	3.0	22.2
4 1	12 25.69	− 4 1.1	1.799	2.797	1.5	22.0
4 11	12 16.38	− 3 2.8	1.805	2.781	5.8	22.3
4 21	12 8.21	− 2 10.3	1.839	2.765	9.9	22.5
5 1	12 1.94	− 1 28.8	1.897	2.748	13.6	22.7

322809 2001 RU_{149} 3 28.4 234.°67 3.°9/23.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 51.11	+ 2 50.7	1.976	2.809	13.0	21.3
3 2	12 47.35	+ 4 24.6	1.889	2.799	9.8	21.1
3 12	12 41.54	+ 6 9.1	1.828	2.789	6.4	20.8
3 22	12 34.24	+ 7 56.5	1.794	2.778	4.0	20.7
4 1	12 26.25	+ 9 37.7	1.789	2.767	5.3	20.7
4 11	12 18.53	+11 4.1	1.812	2.756	8.7	20.9
4 21	12 11.93	+12 9.8	1.861	2.744	12.2	21.1
5 1	12 7.16	+12 51.8	1.931	2.731	15.3	21.3

168510 1999 TK_{81} 3 28.4 84.°27 1.°8/29.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 56.89	− 9 31.2	1.601	2.402	17.0	20.4
3 2	12 51.96	− 9 24.8	1.536	2.421	13.3	20.2
3 12	12 44.53	− 9 0.5	1.493	2.441	9.0	20.0
3 22	12 35.39	− 8 21.1	1.474	2.460	4.3	19.8
4 1	12 25.66	− 7 32.0	1.482	2.479	2.0	19.7
4 11	12 16.55	− 6 40.3	1.518	2.498	6.2	20.0
4 21	12 9.09	− 5 53.2	1.579	2.516	10.4	20.3
5 1	12 3.96	− 5 16.4	1.664	2.534	14.2	20.5

157813 1995 WN_{1} 3 28.4 126.°83 1.°7/27.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	13 0.39	− 0 40.9	1.622	2.441	16.0	20.4
3 2	12 54.60	− 0 15.9	1.554	2.455	12.2	20.1
3 12	12 46.23	+ 0 19.1	1.509	2.468	7.7	19.9
3 22	12 36.08	+ 0 59.1	1.490	2.481	3.1	19.7
4 1	12 25.28	+ 1 37.5	1.499	2.493	3.0	19.7
4 11	12 15.11	+ 2 7.8	1.535	2.504	7.5	20.0
4 21	12 6.64	+ 2 25.5	1.598	2.515	11.8	20.2
5 1	12 0.57	+ 2 28.0	1.683	2.525	15.4	20.5

209183 2003 UC_{179} 3 28.4 283.°81 1.°4/27.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 55.98	− 1 30.1	1.571	2.398	16.0	20.5
3 2	12 51.84	− 1 11.0	1.471	2.376	12.4	20.2
3 12	12 44.90	− 0 39.6	1.392	2.353	8.0	19.8
3 22	12 35.74	− 0 0.1	1.338	2.330	3.2	19.5
4 1	12 25.37	+ 0 41.1	1.311	2.306	2.9	19.4
4 11	12 15.14	+ 1 16.6	1.310	2.283	8.0	19.6
4 21	12 6.32	+ 1 39.9	1.334	2.259	13.0	19.9
5 1	11 59.94	+ 1 46.6	1.380	2.236	17.4	20.1

2020	α_{2000}	δ_{2000}	Δ	r	β	V
437155 2012 VC_{36}			3 28.4 246°.23		0°.4/27.9 17	
	h m	° ′			°	m
2 21	12 50.52	− 4 48.0	2.432	3.235	11.8	21.6
3 2	12 46.55	− 4 9.0	2.330	3.222	9.0	21.4
3 12	12 40.87	− 3 18.3	2.254	3.209	5.8	21.2
3 22	12 33.94	− 2 19.6	2.204	3.195	2.3	20.9
4 1	12 26.43	− 1 17.4	2.185	3.181	1.6	20.8
4 11	12 19.11	− 0 17.5	2.195	3.167	5.3	21.0
4 21	12 12.67	+ 0 35.1	2.232	3.152	8.7	21.2
5 1	12 7.72	+ 1 16.3	2.294	3.137	11.8	21.4
265329 2004 PC_{10}			3 28.4 301°.02		2°.1/26.6 17	
2 21	12 50.74	− 1 31.2	1.642	2.476	15.1	20.5
3 2	12 47.65	− 0 42.9	1.541	2.450	11.6	20.2
3 12	12 42.08	+ 0 20.2	1.462	2.425	7.5	19.9
3 22	12 34.58	+ 1 32.8	1.409	2.400	3.1	19.6
4 1	12 26.04	+ 2 47.1	1.382	2.375	3.5	19.5
4 11	12 17.65	+ 3 53.7	1.382	2.351	8.2	19.7
4 21	12 10.53	+ 4 45.2	1.406	2.326	12.9	19.9
5 1	12 5.59	+ 5 16.4	1.452	2.302	17.0	20.1
359981 2012 UK_{86}			3 28.4 218°.83		0°.6/27.8 17	
2 21	12 51.66	− 3 19.0	2.388	3.195	11.9	21.3
3 2	12 47.37	− 2 53.8	2.298	3.192	9.1	21.1
3 12	12 41.36	− 2 19.2	2.231	3.188	5.8	20.9
3 22	12 34.13	− 1 38.4	2.193	3.184	2.2	20.7
4 1	12 26.36	− 0 55.8	2.183	3.179	1.7	20.6
4 11	12 18.84	− 0 16.1	2.203	3.175	5.3	20.9
4 21	12 12.28	+ 0 16.3	2.250	3.170	8.7	21.1
5 1	12 7.25	+ 0 38.3	2.322	3.165	11.7	21.2
319604 2006 SN_{212}			3 28.4 184°.24		4°.3/22.6 17	
2 21	12 50.26	+ 9 23.8	2.589	3.420	10.3	20.6
3 2	12 46.14	+10 30.7	2.515	3.420	7.9	20.4
3 12	12 40.47	+11 39.1	2.467	3.420	5.6	20.3
3 22	12 33.74	+12 43.4	2.447	3.419	4.3	20.2
4 1	12 26.59	+13 38.1	2.456	3.418	5.3	20.3
4 11	12 19.71	+14 18.5	2.494	3.418	7.6	20.4
4 21	12 13.73	+14 42.3	2.557	3.416	10.1	20.6
5 1	12 9.16	+14 48.6	2.643	3.415	12.4	20.7
64684 2001 XB_{72}			3 28.4 62°.56		1°.2/27.3 18	
2 21	12 50.79	− 4 31.0	1.664	2.490	15.4	19.0
3 2	12 47.24	− 3 30.1	1.598	2.502	11.7	18.8
3 12	12 41.48	− 2 13.8	1.554	2.515	7.4	18.6
3 22	12 34.20	− 0 48.3	1.536	2.528	2.8	18.3
4 1	12 26.36	+ 0 38.1	1.545	2.541	2.5	18.3
4 11	12 19.03	+ 1 56.3	1.582	2.554	7.0	18.7
4 21	12 13.10	+ 2 59.6	1.644	2.567	11.1	18.9
5 1	12 9.22	+ 3 43.7	1.729	2.580	14.7	19.2
362100 2009 BF_{190}			3 28.4 311°.60		2°.1/26.6 17	
2 21	12 49.79	− 3 0.1	1.386	2.228	17.0	20.8
3 2	12 47.19	− 1 58.7	1.302	2.216	13.0	20.6
3 12	12 41.88	− 0 38.3	1.239	2.204	8.3	20.3
3 22	12 34.50	+ 0 54.4	1.201	2.193	3.3	19.9
4 1	12 26.13	+ 2 29.0	1.188	2.181	3.7	19.9
4 11	12 18.11	+ 3 54.1	1.200	2.171	8.8	20.2
4 21	12 11.65	+ 5 0.3	1.236	2.161	13.8	20.4
5 1	12 7.63	+ 5 41.9	1.291	2.151	18.2	20.7
185580 Andratx			3 28.4 14°.68		1°.7/29.8 18	
2 21	12 52.22	− 9 32.3	1.474	2.288	17.6	20.6
3 2	12 48.82	− 9 21.4	1.397	2.290	13.8	20.3
3 12	12 42.79	− 8 50.6	1.340	2.291	9.4	20.1
3 22	12 34.81	− 8 2.4	1.306	2.293	4.5	19.8
4 1	12 26.00	− 7 2.6	1.299	2.296	2.1	19.6
4 11	12 17.64	− 5 59.8	1.317	2.299	6.6	19.9
4 21	12 10.87	− 5 2.4	1.360	2.302	11.4	20.2
5 1	12 6.49	− 4 17.3	1.425	2.305	15.5	20.4
245184 2004 TD_{239}			3 28.4 263°.04		0°.7/29.0 16	
2 21	12 53.47	− 7 47.9	1.513	2.329	17.1	21.0
3 2	12 49.81	− 7 22.7	1.426	2.323	13.4	20.8
3 12	12 43.48	− 6 38.1	1.361	2.316	8.9	20.5
3 22	12 35.12	− 5 37.5	1.320	2.310	3.8	20.2
4 1	12 25.81	− 4 27.4	1.305	2.303	1.8	20.0
4 11	12 16.86	− 3 16.9	1.317	2.296	7.0	20.3
4 21	12 9.44	− 2 14.8	1.353	2.289	11.9	20.6
5 1	12 4.42	− 1 27.8	1.411	2.283	16.2	20.8
352524 2008 CK_{134}			3 28.4 291°.90		6°.5/ 3.7 16	
2 21	12 53.54	−23 12.0	2.406	3.116	14.4	20.8
3 2	12 49.28	−23 56.4	2.284	3.090	12.5	20.6
3 12	12 42.92	−24 23.3	2.182	3.064	10.2	20.4
3 22	12 34.90	−24 30.3	2.105	3.037	7.9	20.2
4 1	12 25.91	−24 16.6	2.053	3.011	6.6	20.1
4 11	12 16.91	−23 44.1	2.028	2.984	7.0	20.0
4 21	12 8.80	−22 57.4	2.031	2.957	9.1	20.1
5 1	12 2.39	−22 2.9	2.058	2.930	11.8	20.2

2020	α_{2000}	δ_{2000}	Δ	r	β	V
55452 2001 TE_{125}			3 28.4 283°.04		3°.9/ 1.3 18	
	h m	° ′			°	m
2 21	12 52.97	−15 44.7	2.256	3.013	14.0	19.4
3 2	12 48.65	−16 7.0	2.156	3.007	11.5	19.2
3 12	12 42.36	−16 13.5	2.079	3.001	8.5	19.0
3 22	12 34.60	−16 3.8	2.027	2.994	5.6	18.8
4 1	12 26.14	−15 39.5	2.003	2.988	3.9	18.6
4 11	12 17.87	−15 4.5	2.007	2.982	5.4	18.7
4 21	12 10.64	−14 23.9	2.038	2.976	8.4	18.9
5 1	12 5.12	−13 43.4	2.095	2.970	11.5	19.1
173054 2006 RR_{71}			3 28.4 15°.04		0°.5/27.9 17	
2 21	12 49.01	− 4 58.9	2.030	2.845	13.4	20.1
3 2	12 45.62	− 4 18.9	1.949	2.847	10.2	19.9
3 12	12 40.35	− 3 25.9	1.891	2.849	6.5	19.7
3 22	12 33.76	− 2 24.1	1.860	2.851	2.5	19.4
4 1	12 26.63	− 1 19.4	1.857	2.854	1.8	19.3
4 11	12 19.82	− 0 18.4	1.882	2.856	5.8	19.6
4 21	12 14.12	+ 0 33.4	1.933	2.859	9.5	19.8
5 1	12 10.12	+ 1 11.6	2.009	2.863	12.8	20.1
35959 1999 LE_{5}			3 28.4 147°.37		3°.1/24.6 18	
2 21	12 51.66	+ 2 7.4	2.243	3.067	12.0	19.5
3 2	12 47.38	+ 3 29.7	2.171	3.076	9.0	19.3
3 12	12 41.35	+ 4 59.7	2.124	3.084	5.7	19.1
3 22	12 34.13	+ 6 31.2	2.106	3.092	3.2	19.0
4 1	12 26.44	+ 7 56.8	2.118	3.099	4.2	19.1
4 11	12 19.12	+ 9 10.0	2.159	3.106	7.2	19.3
4 21	12 12.85	+10 6.2	2.226	3.113	10.3	19.5
5 1	12 8.20	+10 43.3	2.317	3.119	13.0	19.7
34059 2000 OS_{45}			3 28.4 227°.63		1°.7/30.7 17	
2 21	12 49.43	−12 12.2	2.671	3.442	11.7	19.6
3 2	12 45.59	−11 43.8	2.567	3.434	9.3	19.4
3 12	12 40.19	−11 1.0	2.488	3.426	6.4	19.2
3 22	12 33.68	−10 5.5	2.435	3.417	3.4	19.0
4 1	12 26.67	− 9 1.0	2.412	3.408	1.7	18.9
4 11	12 19.84	− 7 52.4	2.419	3.399	4.3	19.1
4 21	12 13.84	− 6 45.1	2.455	3.389	7.4	19.2
5 1	12 9.19	− 5 44.1	2.517	3.379	10.3	19.4
380067 2013 ST_{25}			3 28.4 164°.29		2°.2/30.7 17	
2 21	12 52.05	−12 7.5	2.040	2.823	14.5	21.1
3 2	12 48.00	−11 51.8	1.952	2.825	11.5	20.9
3 12	12 41.93	−11 18.8	1.886	2.826	8.0	20.7
3 22	12 34.42	−10 30.3	1.846	2.828	4.3	20.5
4 1	12 26.27	− 9 30.5	1.833	2.829	2.2	20.3
4 11	12 18.44	− 8 25.7	1.850	2.830	5.2	20.5
4 21	12 11.77	− 7 22.6	1.893	2.831	9.0	20.7
5 1	12 6.92	− 6 27.2	1.961	2.831	12.4	21.0
158497 2002 ER_{43}			3 28.5 350°.99		0°.4/28.8 17	
2 21	12 49.57	− 7 32.8	1.661	2.479	15.7	19.7
3 2	12 46.52	− 6 59.6	1.579	2.476	12.2	19.5
3 12	12 41.18	− 6 8.5	1.518	2.474	8.0	19.2
3 22	12 34.17	− 5 3.5	1.482	2.472	3.4	18.9
4 1	12 26.41	− 3 51.1	1.472	2.470	1.6	18.8
4 11	12 19.03	− 2 39.7	1.490	2.469	6.4	19.1
4 21	12 12.98	− 1 37.0	1.533	2.468	10.8	19.4
5 1	12 9.01	− 0 49.1	1.598	2.468	14.7	19.6
115094 2003 SZ_{16}			3 28.5 126°.37		0°.7/27.8 18	
2 21	12 53.35	− 5 43.5	1.722	2.537	15.4	19.8
3 2	12 49.20	− 4 48.2	1.648	2.546	11.8	19.6
3 12	12 42.77	− 3 36.5	1.597	2.555	7.5	19.4
3 22	12 34.75	− 2 13.9	1.572	2.564	2.9	19.1
4 1	12 26.12	− 0 48.1	1.576	2.572	2.1	19.1
4 11	12 17.96	+ 0 31.9	1.607	2.580	6.7	19.4
4 21	12 11.21	+ 1 38.9	1.664	2.588	10.9	19.7
5 1	12 6.55	+ 2 28.1	1.744	2.595	14.6	19.9
421755 2014 PF_{56}			3 28.5 115°.93		1°.5/26.9 18	
2 21	12 54.39	− 2 55.6	1.749	2.569	15.0	21.9
3 2	12 49.89	− 1 59.1	1.681	2.583	11.3	21.7
3 12	12 43.15	− 0 49.4	1.636	2.596	7.1	21.5
3 22	12 34.88	+ 0 27.4	1.618	2.609	2.8	21.2
4 1	12 26.06	+ 1 43.5	1.628	2.622	2.8	21.2
4 11	12 17.76	+ 2 50.9	1.665	2.634	7.1	21.5
4 21	12 10.88	+ 3 43.7	1.729	2.646	11.1	21.8
5 1	12 6.08	+ 4 18.2	1.816	2.657	14.5	22.0
497792 2006 SS_{401}			3 28.5 100°.79		4°.9/23.1 17	
2 21	12 54.76	+12 16.3	2.410	3.236	11.2	22.1
3 2	12 49.58	+12 54.7	2.344	3.243	8.6	21.9
3 12	12 42.68	+13 31.2	2.303	3.251	6.2	21.8
3 22	12 34.64	+14 0.5	2.289	3.258	4.9	21.7
4 1	12 26.20	+14 18.0	2.305	3.265	5.8	21.7
4 11	12 18.17	+14 20.4	2.348	3.272	8.0	21.9
4 21	12 11.24	+14 6.7	2.418	3.279	10.5	22.1
5 1	12 5.92	+13 37.1	2.509	3.286	12.8	22.2

2020	α_{2000}	δ_{2000}	Δ	r	β	V
344316 2001 UD_{201}			3 28.5 171°.40	0°.5/29.1 17		
	h m	° ′			°	m
2 21	12 52.25	− 6 36.4	2.739	3.527	11.0	21.9
3 2	12 47.59	− 6 22.2	2.648	3.529	8.5	21.7
3 12	12 41.40	− 5 58.2	2.583	3.532	5.6	21.6
3 22	12 34.15	− 5 26.8	2.545	3.534	2.4	21.3
4 1	12 26.45	− 4 51.1	2.538	3.535	1.1	21.2
4 11	12 19.00	− 4 15.2	2.560	3.536	4.3	21.5
4 21	12 12.40	− 3 42.8	2.611	3.537	7.4	21.7
5 1	12 7.17	− 3 17.2	2.688	3.538	10.1	21.8
213809 2003 HA_{15}			3 28.5 293°.08	3°.0/24.9 18		
2 21	12 49.88	+ 3 45.6	2.293	3.122	11.6	20.2
3 2	12 46.18	+ 4 35.0	2.197	3.105	8.8	20.0
3 12	12 40.71	+ 5 30.7	2.127	3.087	5.7	19.7
3 22	12 33.94	+ 6 27.6	2.083	3.070	3.2	19.5
4 1	12 26.55	+ 7 19.9	2.069	3.052	4.1	19.6
4 11	12 19.36	+ 8 2.1	2.082	3.035	7.1	19.7
4 21	12 13.10	+ 8 30.2	2.122	3.017	10.3	19.9
5 1	12 8.39	+ 8 41.9	2.185	3.000	13.3	20.1
501188 2013 TG_{110}			3 28.5 124°.46	1°.7/30.2 17		
2 21	12 52.88	−10 29.7	2.100	2.886	14.0	21.5
3 2	12 48.52	−10 17.7	2.017	2.893	11.0	21.3
3 12	12 42.21	− 9 50.3	1.956	2.899	7.5	21.1
3 22	12 34.52	− 9 9.8	1.922	2.906	3.8	20.9
4 1	12 26.26	− 8 20.1	1.916	2.912	1.9	20.8
4 11	12 18.35	− 7 27.0	1.938	2.918	5.1	21.0
4 21	12 11.59	− 6 36.3	1.988	2.924	8.7	21.2
5 1	12 6.61	− 5 53.2	2.063	2.929	12.0	21.4
422792 2001 WM_{43}			3 28.5 250°.52	4°.0/23.9 18		
2 21	12 52.54	+ 8 2.8	2.326	3.155	11.4	20.7
3 2	12 48.08	+ 8 47.3	2.245	3.150	8.7	20.5
3 12	12 41.84	+ 9 33.9	2.189	3.145	5.9	20.4
3 22	12 34.36	+10 17.1	2.161	3.140	4.1	20.2
4 1	12 26.36	+10 51.7	2.162	3.135	5.0	20.3
4 11	12 18.65	+11 13.1	2.190	3.129	7.7	20.4
4 21	12 11.97	+11 18.9	2.245	3.124	10.5	20.6
5 1	12 6.89	+11 8.2	2.322	3.119	13.2	20.8
213792 2003 FJ_{42}			3 28.5 299°.46	0°.3/28.2 18		
2 21	12 57.97	− 1 31.4	2.251	3.054	12.7	19.3
3 2	12 52.36	− 1 48.6	2.154	3.044	9.7	19.1
3 12	12 44.71	− 1 59.8	2.080	3.035	6.3	18.9
3 22	12 35.55	− 2 7.1	2.035	3.026	2.5	18.6
4 1	12 25.69	− 2 13.0	2.019	3.016	1.6	18.5
4 11	12 16.05	− 2 20.7	2.034	3.007	5.5	18.8
4 21	12 7.51	− 2 32.9	2.076	2.998	9.2	19.0
5 1	12 0.74	− 2 51.8	2.143	2.990	12.4	19.2
296198 2009 BA_{187}			3 28.5 255°.91	4°.8/ 1.9 18		
2 21	12 56.00	−17 54.8	2.439	3.174	13.7	20.9
3 2	12 50.92	−18 36.7	2.333	3.165	11.4	20.7
3 12	12 43.83	−19 3.8	2.249	3.155	8.8	20.6
3 22	12 35.23	−19 15.0	2.191	3.146	6.2	20.4
4 1	12 25.85	−19 10.3	2.160	3.136	4.8	20.3
4 11	12 16.58	−18 52.3	2.159	3.126	5.8	20.3
4 21	12 8.29	−18 25.4	2.185	3.116	8.3	20.4
5 1	12 1.68	−17 54.7	2.237	3.106	11.1	20.6
29399 1996 RO_{5}			3 28.5 303°.17	4°.0/24.3 18		
2 21	12 48.84	+ 1 42.8	1.622	2.467	14.8	17.8
3 2	12 46.11	+ 3 11.9	1.535	2.451	11.2	17.6
3 12	12 41.02	+ 4 54.9	1.472	2.436	7.2	17.3
3 22	12 34.16	+ 6 43.6	1.434	2.421	4.2	17.1
4 1	12 26.44	+ 8 27.0	1.423	2.406	5.6	17.1
4 11	12 19.01	+ 9 54.8	1.439	2.391	9.6	17.3
4 21	12 12.87	+10 59.5	1.478	2.377	13.8	17.5
5 1	12 8.85	+11 37.3	1.538	2.363	17.4	17.7
170109 2002 XX_{92}			3 28.5 65°.01	2°.3/30.9 18		
2 21	12 51.68	−12 20.4	2.083	2.864	14.3	19.4
3 2	12 47.55	−12 11.0	2.010	2.881	11.3	19.2
3 12	12 41.54	−11 45.1	1.959	2.898	7.9	19.0
3 22	12 34.24	−11 4.9	1.934	2.915	4.3	18.8
4 1	12 26.45	−10 14.3	1.937	2.932	2.3	18.7
4 11	12 19.09	− 9 19.1	1.969	2.949	5.0	18.9
4 21	12 12.90	− 8 25.3	2.027	2.966	8.4	19.2
5 1	12 8.46	− 7 38.2	2.110	2.983	11.5	19.4
518874 2010 ED_{9}			3 28.5 233°.90	3°.2/24.5 17		
2 21	12 49.59	+ 3 57.3	2.359	3.188	11.3	21.4
3 2	12 45.83	+ 5 0.0	2.277	3.184	8.5	21.2
3 12	12 40.39	+ 6 8.7	2.220	3.180	5.5	21.0
3 22	12 33.79	+ 7 17.9	2.192	3.177	3.3	20.8
4 1	12 26.68	+ 8 21.4	2.192	3.173	4.2	20.9
4 11	12 19.85	+ 9 13.7	2.222	3.169	7.1	21.1
4 21	12 13.97	+ 9 50.9	2.277	3.165	10.0	21.2
5 1	12 9.58	+10 11.2	2.355	3.161	12.7	21.4

2020	α_{2000}	δ_{2000}	Δ	r	β	V
473030 2015 HB_{69}			3 28.5 231°.33	3°.1/24.7 17		
	h m	° ′			°	m
2 21	12 53.32	+ 6 38.1	2.734	3.553	10.2	21.9
3 2	12 48.44	+ 7 11.5	2.642	3.543	7.8	21.7
3 12	12 41.98	+ 7 47.2	2.577	3.532	5.2	21.5
3 22	12 34.41	+ 8 21.1	2.539	3.522	3.2	21.4
4 1	12 26.34	+ 8 49.0	2.532	3.510	3.9	21.4
4 11	12 18.50	+ 9 7.0	2.554	3.499	6.4	21.5
4 21	12 11.51	+ 9 13.0	2.604	3.487	9.1	21.7
5 1	12 5.91	+ 9 5.6	2.677	3.475	11.6	21.9
386183 2007 VD_{79}			3 28.5 122°.80	0°.2/28.3 17		
2 21	12 51.46	− 5 7.5	2.499	3.299	11.6	22.1
3 2	12 47.06	− 4 37.0	2.421	3.310	8.9	21.9
3 12	12 41.08	− 3 56.4	2.368	3.321	5.7	21.7
3 22	12 34.03	− 3 8.9	2.342	3.332	2.2	21.5
4 1	12 26.57	− 2 18.9	2.346	3.343	1.3	21.5
4 11	12 19.43	− 1 31.2	2.379	3.353	4.8	21.7
4 21	12 13.24	− 0 50.1	2.441	3.363	8.0	21.9
5 1	12 8.51	− 0 18.8	2.527	3.373	10.8	22.1
38919 2000 SS_{218}			3 28.5 158°.74	5°.2/22.8 18		
2 21	12 56.46	+12 3.9	2.327	3.152	11.6	18.9
3 2	12 50.95	+12 57.4	2.260	3.159	9.0	18.8
3 12	12 43.62	+13 49.7	2.218	3.165	6.5	18.6
3 22	12 35.04	+14 34.6	2.203	3.170	5.2	18.6
4 1	12 26.02	+15 6.8	2.218	3.175	6.2	18.6
4 11	12 17.42	+15 22.2	2.260	3.179	8.5	18.8
4 21	12 9.96	+15 19.4	2.328	3.183	11.1	18.9
5 1	12 4.22	+14 58.8	2.419	3.187	13.5	19.1
121357 1999 TA_{54}			3 28.5 216°.59	1°.2/30.0 17		
2 21	12 49.13	−10 6.6	2.608	3.391	11.7	20.4
3 2	12 45.36	− 9 42.9	2.513	3.388	9.1	20.3
3 12	12 40.05	− 9 6.2	2.443	3.386	6.2	20.1
3 22	12 33.65	− 8 18.7	2.399	3.384	3.0	19.9
4 1	12 26.78	− 7 24.1	2.384	3.381	1.4	19.7
4 11	12 20.13	− 6 27.1	2.399	3.379	4.3	19.9
4 21	12 14.32	− 5 32.6	2.443	3.376	7.5	20.1
5 1	12 9.89	− 4 45.0	2.512	3.373	10.3	20.3
320452 2007 VV_{210}			3 28.5 150°.81	1°.2/29.8 17		
2 21	12 52.10	− 8 40.0	2.261	3.052	13.0	21.7
3 2	12 47.84	− 8 32.2	2.173	3.053	10.1	21.5
3 12	12 41.75	− 8 11.6	2.107	3.054	6.8	21.3
3 22	12 34.35	− 7 40.2	2.069	3.055	3.3	21.0
4 1	12 26.40	− 7 1.8	2.059	3.056	1.5	20.9
4 11	12 18.72	− 6 21.0	2.078	3.057	4.9	21.1
4 21	12 12.08	− 5 42.8	2.124	3.057	8.4	21.3
5 1	12 7.08	− 5 11.6	2.195	3.058	11.5	21.5
64392 2001 UL_{150}			3 28.5 137°.01	1°.2/27.4 18	R	
2 21	12 53.04	− 2 45.9	1.836	2.656	14.4	19.8
3 2	12 48.89	− 2 9.0	1.757	2.659	10.9	19.5
3 12	12 42.58	− 1 20.0	1.701	2.661	7.0	19.3
3 22	12 34.71	− 0 23.7	1.671	2.663	2.7	19.0
4 1	12 26.21	+ 0 33.5	1.669	2.665	2.4	19.0
4 11	12 18.09	+ 1 24.7	1.695	2.667	6.7	19.3
4 21	12 11.26	+ 2 4.5	1.747	2.668	10.7	19.5
5 1	12 6.41	+ 2 29.0	1.822	2.670	14.2	19.7
303268 2004 RT_{141}			3 28.5 255°.37	2°.4/26.3 17		
2 21	12 53.14	− 1 56.4	1.596	2.426	15.7	21.0
3 2	12 49.49	− 0 49.9	1.504	2.412	12.0	20.7
3 12	12 43.28	+ 0 33.4	1.435	2.397	7.6	20.4
3 22	12 35.10	+ 2 6.8	1.391	2.382	3.3	20.1
4 1	12 25.95	+ 3 40.8	1.375	2.367	3.8	20.1
4 11	12 17.07	+ 5 5.2	1.386	2.351	8.5	20.4
4 21	12 9.58	+ 6 11.5	1.421	2.335	13.2	20.6
5 1	12 4.37	+ 6 54.8	1.477	2.318	17.2	20.8
376797 2000 SZ_{156}			3 28.5 223°.54	7°.1/ 5.1 17		
2 21	12 56.29	−26 43.3	2.479	3.158	14.8	21.7
3 2	12 51.28	−27 23.0	2.368	3.147	12.9	21.5
3 12	12 44.15	−27 43.0	2.277	3.136	10.7	21.3
3 22	12 35.40	−27 40.5	2.209	3.124	8.6	21.2
4 1	12 25.80	−27 14.9	2.167	3.112	7.2	21.1
4 11	12 16.30	−26 28.7	2.153	3.098	7.4	21.1
4 21	12 7.82	−25 27.0	2.166	3.085	9.1	21.1
5 1	12 1.12	−24 16.9	2.205	3.070	11.4	21.3
385858 2006 QC_{150}			3 28.5 194°.83	1°.8/26.1 17		
2 21	12 49.71	− 0 25.7	2.587	3.402	10.8	21.8
3 2	12 45.77	+ 0 31.6	2.500	3.400	8.2	21.6
3 12	12 40.30	+ 1 37.2	2.438	3.398	5.1	21.4
3 22	12 33.75	+ 2 46.5	2.405	3.395	2.3	21.2
4 1	12 26.75	+ 3 54.4	2.403	3.393	2.7	21.2
4 11	12 19.99	+ 4 55.3	2.429	3.390	5.7	21.4
4 21	12 14.09	+ 5 45.2	2.484	3.386	8.7	21.6
5 1	12 9.56	+ 6 21.1	2.562	3.383	11.4	21.8

292427 2006 SF_{321} 3 28.5 262°.26 2°.3/26.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 55.29	+ 0 21.7	1.793	2.618	14.5	22.2
3 2	12 50.91	+ 0 59.7	1.695	2.600	11.1	21.9
3 12	12 44.10	+ 1 48.4	1.621	2.581	7.1	21.6
3 22	12 35.42	+ 2 42.5	1.572	2.563	3.2	21.3
4 1	12 25.80	+ 3 35.2	1.552	2.543	3.6	21.3
4 11	12 16.38	+ 4 19.3	1.559	2.524	7.8	21.5
4 21	12 8.23	+ 4 49.2	1.591	2.504	12.1	21.7
5 1	12 2.19	+ 5 1.3	1.646	2.484	15.9	21.9

69379 1994 WC_{13} 3 28.5 234°.11 0°.6/29.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 52.07	− 7 44.8	2.402	3.193	12.3	20.9
3 2	12 47.80	− 7 17.9	2.299	3.181	9.6	20.7
3 12	12 41.75	− 6 38.0	2.220	3.169	6.4	20.4
3 22	12 34.38	− 5 47.6	2.167	3.156	2.8	20.2
4 1	12 26.39	− 4 50.9	2.145	3.142	1.2	20.0
4 11	12 18.58	− 3 53.3	2.152	3.129	4.9	20.3
4 21	12 11.70	− 3 0.0	2.187	3.114	8.5	20.5
5 1	12 6.35	− 2 15.7	2.247	3.100	11.7	20.6

248044 2004 HP_{37} 3 28.5 300°.02 4°.0/24.6 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 53.83	+ 6 52.8	2.132	2.962	12.3	20.3
3 2	12 49.47	+ 7 28.9	2.026	2.932	9.5	20.1
3 12	12 43.01	+ 8 8.8	1.944	2.902	6.4	19.8
3 22	12 34.95	+ 8 47.1	1.890	2.872	4.1	19.6
4 1	12 26.06	+ 9 17.8	1.863	2.842	5.0	19.6
4 11	12 17.28	+ 9 35.6	1.865	2.812	8.2	19.8
4 21	12 9.51	+ 9 37.1	1.892	2.782	11.7	19.9
5 1	12 3.52	+ 9 20.9	1.941	2.752	14.9	20.1

412161 2013 GA_{83} 3 28.5 303°.75 0°.3/28.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 53.44	− 4 23.4	1.363	2.196	17.7	20.6
3 2	12 50.29	− 4 11.3	1.267	2.174	13.8	20.3
3 12	12 44.14	− 3 42.7	1.192	2.153	9.1	20.0
3 22	12 35.57	− 3 1.0	1.140	2.132	3.7	19.6
4 1	12 25.68	− 2 12.5	1.113	2.111	2.2	19.4
4 11	12 15.94	− 1 25.9	1.112	2.090	8.1	19.7
4 21	12 7.78	− 0 49.5	1.133	2.070	13.6	19.9
5 1	12 2.31	− 0 29.5	1.174	2.051	18.4	20.2

241479 2009 BB_{68} 3 28.5 218°.53 1°.1/27.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 50.84	− 2 5.4	2.402	3.214	11.7	21.3
3 2	12 46.76	− 1 29.6	2.313	3.210	8.9	21.1
3 12	12 41.01	− 0 44.7	2.249	3.207	5.6	20.8
3 22	12 34.06	+ 0 5.5	2.212	3.203	2.2	20.6
4 1	12 26.59	+ 0 56.2	2.204	3.199	2.1	20.6
4 11	12 19.38	+ 1 42.2	2.226	3.195	5.5	20.8
4 21	12 13.11	+ 2 19.3	2.275	3.190	8.8	21.0
5 1	12 8.33	+ 2 44.4	2.348	3.186	11.8	21.2

411801 2012 CM_{57} 3 28.5 43°.67 0°.6/28.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 50.54	− 8 53.0	1.395	2.218	17.9	20.3
3 2	12 47.52	− 8 7.5	1.330	2.230	13.9	20.1
3 12	12 41.91	− 7 0.0	1.285	2.242	9.1	19.8
3 22	12 34.49	− 5 35.7	1.264	2.254	3.9	19.5
4 1	12 26.38	− 4 3.6	1.269	2.267	1.7	19.4
4 11	12 18.87	− 2 34.4	1.300	2.281	6.9	19.8
4 21	12 13.01	− 1 17.7	1.356	2.294	11.7	20.1
5 1	12 9.51	− 0 19.9	1.433	2.308	15.8	20.4

423705 2006 AV_{94} 3 28.5 147°.25 5°.0/ 2.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 54.96	−18 56.1	2.131	2.872	15.2	21.5
3 2	12 50.26	−19 20.3	2.041	2.876	12.6	21.3
3 12	12 43.45	−19 25.5	1.972	2.881	9.7	21.1
3 22	12 35.09	−19 10.8	1.928	2.885	6.8	20.9
4 1	12 26.03	−18 37.9	1.911	2.889	5.0	20.8
4 11	12 17.27	−17 51.0	1.922	2.892	6.1	20.9
4 21	12 9.70	−16 56.4	1.959	2.896	8.8	21.1
5 1	12 4.03	−16 0.8	2.022	2.899	11.8	21.3

462065 2007 EE_{103} 3 28.5 317°.93 1°.3/27.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 50.51	− 3 22.4	1.692	2.520	15.1	21.4
3 2	12 47.24	− 2 36.5	1.607	2.513	11.5	21.1
3 12	12 41.67	− 1 35.9	1.545	2.506	7.3	20.9
3 22	12 34.41	− 0 25.8	1.509	2.500	2.9	20.6
4 1	12 26.40	+ 0 46.3	1.499	2.494	2.6	20.5
4 11	12 18.71	+ 1 52.1	1.516	2.489	7.2	20.8
4 21	12 12.34	+ 2 44.7	1.559	2.483	11.5	21.0
5 1	12 8.04	+ 3 19.5	1.623	2.478	15.3	21.3

377705 2005 WG_{33} 3 28.5 246°.77 6°.1/ 3.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 53.62	−23 14.9	2.208	2.924	15.4	21.2
3 2	12 49.41	−23 31.9	2.096	2.909	13.2	21.0
3 12	12 43.04	−23 27.1	2.004	2.893	10.6	20.8
3 22	12 34.99	−22 58.8	1.935	2.877	7.9	20.6
4 1	12 26.06	−22 7.4	1.893	2.860	6.2	20.4
4 11	12 17.27	−20 57.1	1.878	2.843	6.8	20.4
4 21	12 9.55	−19 34.7	1.891	2.825	9.2	20.6
5 1	12 3.69	−18 8.4	1.928	2.807	12.2	20.7

243800 2000 SV_{134} 3 28.5 188°.49 3°.0/ 1.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 50.53	−16 36.2	2.871	3.614	11.6	21.2
3 2	12 46.34	−16 28.9	2.771	3.613	9.5	21.0
3 12	12 40.65	−16 6.9	2.694	3.612	7.0	20.9
3 22	12 33.91	−15 30.9	2.644	3.611	4.5	20.7
4 1	12 26.70	−14 43.4	2.622	3.609	3.0	20.6
4 11	12 19.69	−13 48.2	2.631	3.606	4.3	20.7
4 21	12 13.49	−12 50.0	2.668	3.604	6.8	20.8
5 1	12 8.60	−11 53.6	2.732	3.601	9.3	21.0

41328 1999 XP_{220} 3 28.5 124°.30 3°.5/24.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 53.31	+ 5 59.7	2.449	3.272	11.1	19.2
3 2	12 48.43	+ 7 3.0	2.387	3.290	8.4	19.1
3 12	12 41.94	+ 8 9.4	2.350	3.307	5.5	18.9
3 22	12 34.39	+ 9 13.4	2.343	3.323	3.6	18.8
4 1	12 26.48	+10 9.3	2.365	3.339	4.5	18.9
4 11	12 18.96	+10 52.4	2.416	3.355	7.1	19.1
4 21	12 12.49	+11 20.0	2.493	3.369	9.7	19.3
5 1	12 7.54	+11 31.2	2.594	3.383	12.1	19.4

323726 2005 JK_{128} 3 28.5 194°.17 3°.6/ 1.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 52.95	−17 38.7	2.191	2.941	14.6	20.4
3 2	12 48.67	−17 21.8	2.093	2.939	11.9	20.2
3 12	12 42.39	−16 44.3	2.017	2.937	8.8	20.0
3 22	12 34.67	−15 47.0	1.966	2.934	5.6	19.8
4 1	12 26.29	−14 33.1	1.943	2.930	3.6	19.6
4 11	12 18.18	−13 9.0	1.949	2.926	5.3	19.7
4 21	12 11.18	−11 41.9	1.983	2.922	8.5	19.9
5 1	12 5.94	−10 19.3	2.043	2.916	11.8	20.1

423206 2004 RK_{6} 3 28.5 187°.61 6°.4/21.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 55.74	+15 36.3	2.310	3.136	11.6	21.2
3 2	12 50.53	+16 42.6	2.241	3.136	9.2	21.0
3 12	12 43.43	+17 45.8	2.197	3.135	7.2	20.9
3 22	12 35.03	+18 39.0	2.181	3.133	6.4	20.9
4 1	12 26.12	+19 16.0	2.193	3.131	7.5	20.9
4 11	12 17.60	+19 32.9	2.231	3.129	9.7	21.1
4 21	12 10.22	+19 28.4	2.295	3.126	12.1	21.2
5 1	12 4.57	+19 3.4	2.379	3.123	14.3	21.4

37405 2001 XT_{100} 3 28.5 135°.92 1°.3/27.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 54.71	− 1 26.8	2.182	2.993	12.7	19.5
3 2	12 49.75	− 0 50.8	2.108	3.004	9.6	19.3
3 12	12 42.92	− 0 6.0	2.057	3.015	6.1	19.1
3 22	12 34.82	+ 0 43.4	2.035	3.026	2.4	18.9
4 1	12 26.24	+ 1 32.0	2.042	3.036	2.4	18.9
4 11	12 18.06	+ 2 14.4	2.078	3.045	6.0	19.2
4 21	12 11.03	+ 2 46.5	2.141	3.054	9.4	19.4
5 1	12 5.72	+ 3 5.6	2.229	3.063	12.4	19.6

439595 2014 DW_{137} 3 28.5 117°.09 3°.4/ 1.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 52.84	−15 22.7	2.480	3.234	13.0	21.2
3 2	12 48.30	−15 38.6	2.389	3.238	10.6	21.0
3 12	12 42.02	−15 39.7	2.321	3.243	7.8	20.8
3 22	12 34.48	−15 26.3	2.279	3.247	5.0	20.7
4 1	12 26.40	−15 0.4	2.265	3.252	3.4	20.6
4 11	12 18.58	−14 25.7	2.281	3.256	4.9	20.7
4 21	12 11.73	−13 46.9	2.324	3.260	7.6	20.8
5 1	12 6.43	−13 8.9	2.392	3.264	10.4	21.0

434001 2000 SQ_{296} 3 28.5 182°.18 2°.0/31.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 49.53	−13 50.2	2.856	3.615	11.3	21.3
3 2	12 45.55	−13 25.0	2.758	3.616	9.0	21.1
3 12	12 40.13	−12 45.6	2.685	3.616	6.4	20.9
3 22	12 33.70	−11 53.8	2.639	3.616	3.6	20.7
4 1	12 26.84	−10 52.7	2.622	3.615	2.0	20.6
4 11	12 20.19	− 9 46.9	2.635	3.614	4.0	20.8
4 21	12 14.35	− 8 41.2	2.678	3.613	6.8	20.9
5 1	12 9.78	− 7 40.4	2.747	3.611	9.4	21.1

363415 2003 QP_{66} 3 28.5 196°.58 0°.7/29.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 56.13	− 7 51.8	2.131	2.920	13.7	22.6
3 2	12 51.07	− 7 27.8	2.036	2.917	10.7	22.3
3 12	12 43.94	− 6 49.6	1.965	2.913	7.1	22.1
3 22	12 35.30	− 5 59.9	1.921	2.909	3.1	21.8
4 1	12 25.96	− 5 3.2	1.906	2.903	1.4	21.7
4 11	12 16.90	− 4 5.7	1.920	2.897	5.4	22.0
4 21	12 8.97	− 3 13.2	1.962	2.890	9.3	22.2
5 1	12 2.89	− 2 30.7	2.030	2.882	12.8	22.4

497067 2003 UC_{144} 3 28.5 170°.04 1°.6/26.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 53.81	+ 0 43.5	2.778	3.585	10.4	22.3
3 2	12 48.71	+ 1 14.9	2.694	3.589	7.9	22.1
3 12	12 42.11	+ 1 52.0	2.636	3.593	5.0	21.9
3 22	12 34.48	+ 2 31.3	2.607	3.596	2.2	21.7
4 1	12 26.43	+ 3 8.8	2.608	3.599	2.4	21.7
4 11	12 18.65	+ 3 40.5	2.639	3.601	5.2	21.9
4 21	12 11.75	+ 4 3.5	2.699	3.602	8.1	22.1
5 1	12 6.21	+ 4 15.6	2.784	3.603	10.6	22.3

300149 2006 VU_{80} 3 28.5 236°.79 1°.3/26.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 50.60	− 1 7.8	2.691	3.501	10.6	21.7
3 2	12 46.45	− 0 30.9	2.593	3.490	8.1	21.5
3 12	12 40.77	+ 0 13.8	2.521	3.479	5.1	21.3
3 22	12 33.98	+ 1 2.8	2.476	3.467	2.1	21.1
4 1	12 26.69	+ 1 51.8	2.462	3.455	2.2	21.1
4 11	12 19.58	+ 2 36.2	2.477	3.443	5.3	21.3
4 21	12 13.28	+ 3 12.1	2.520	3.430	8.3	21.5
5 1	12 8.32	+ 3 36.7	2.588	3.418	11.0	21.6

365897 2011 WQ_{24} 3 28.5 89°.54 3°.9/31.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 53.97	−15 11.4	1.553	2.338	18.1	20.9
3 2	12 50.11	−15 10.8	1.475	2.344	14.7	20.7
3 12	12 43.63	−14 46.3	1.416	2.351	10.6	20.5
3 22	12 35.23	−13 58.8	1.381	2.357	6.4	20.3
4 1	12 26.02	−12 52.6	1.371	2.363	3.9	20.1
4 11	12 17.27	−11 35.9	1.388	2.369	6.5	20.3
4 21	12 10.11	−10 18.2	1.430	2.375	10.7	20.5
5 1	12 5.34	− 9 8.5	1.495	2.381	14.6	20.8

11785 Migaic 3 28.5 30°.26 4°.1/24.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 53.65	+ 5 50.0	1.774	2.612	14.0	16.9
3 2	12 49.39	+ 6 34.7	1.704	2.615	10.6	16.7
3 12	12 42.91	+ 7 23.7	1.658	2.619	7.0	16.5
3 22	12 34.87	+ 8 10.4	1.638	2.622	4.3	16.3
4 1	12 26.24	+ 8 48.0	1.646	2.627	5.2	16.4
4 11	12 18.07	+ 9 10.7	1.679	2.631	8.6	16.6
4 21	12 11.27	+ 9 15.5	1.738	2.635	12.1	16.8
5 1	12 6.52	+ 9 1.7	1.818	2.640	15.3	17.0

335808 2007 JG 3 28.5 282°.74 7°.1/20.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 51.21	+12 58.1	1.887	2.731	13.0	20.9
3 2	12 47.62	+14 34.6	1.810	2.718	10.3	20.7
3 12	12 41.85	+16 12.3	1.757	2.704	7.9	20.5
3 22	12 34.50	+17 42.0	1.731	2.691	7.2	20.5
4 1	12 26.42	+18 54.3	1.732	2.677	8.6	20.5
4 11	12 18.64	+19 42.5	1.758	2.663	11.4	20.7
4 21	12 12.09	+20 3.5	1.807	2.650	14.4	20.8
5 1	12 7.48	+19 57.4	1.875	2.636	17.1	21.0

221136 2005 SU_{281} 3 28.5 92°.86 0°.7/27.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 51.51	− 5 31.8	1.820	2.635	14.7	21.0
3 2	12 47.70	− 4 37.0	1.747	2.645	11.2	20.8
3 12	12 41.79	− 3 26.9	1.697	2.655	7.1	20.6
3 22	12 34.43	− 2 6.9	1.673	2.664	2.7	20.3
4 1	12 26.50	− 0 44.2	1.678	2.674	2.0	20.3
4 11	12 19.01	+ 0 32.9	1.710	2.684	6.4	20.6
4 21	12 12.83	+ 1 37.7	1.769	2.693	10.4	20.9
5 1	12 8.56	+ 2 25.7	1.851	2.702	13.8	21.1

85939 1999 DN_5 3 28.5 45°.73 7°.5/ 4.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 51.67	−24 18.3	1.596	2.337	19.5	18.4
3 2	12 48.41	−24 40.7	1.521	2.348	16.6	18.3
3 12	12 42.54	−24 33.4	1.463	2.359	13.3	18.1
3 22	12 34.80	−23 54.8	1.427	2.371	10.0	17.9
4 1	12 26.28	−22 46.9	1.414	2.383	7.7	17.8
4 11	12 18.26	−21 16.8	1.427	2.395	8.0	17.8
4 21	12 11.83	−19 35.1	1.464	2.408	10.6	18.0
5 1	12 7.77	−17 53.1	1.525	2.420	13.8	18.2

471150 2010 FC_{49} 3 28.5 259°.60 0°.2/31.9 15

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 32.29	−12 10.1	38.754	39.501	0.9	21.8
3 2	12 31.56	−12 8.4	38.651	39.500	0.7	21.7
3 12	12 30.74	−12 6.0	38.574	39.499	0.5	21.7
3 22	12 29.88	−12 2.8	38.525	39.497	0.3	21.7
4 1	12 28.99	−11 59.0	38.506	39.496	0.2	21.7
4 11	12 28.12	−11 55.0	38.517	39.494	0.3	21.7
4 21	12 27.28	−11 50.7	38.557	39.493	0.5	21.7
5 1	12 26.51	−11 46.5	38.625	39.491	0.8	21.7

273962 2007 KQ_4 3 28.5 179°.74 3°.6/24.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 53.22	+ 4 48.9	2.043	2.874	12.7	20.6
3 2	12 48.83	+ 5 40.8	1.967	2.874	9.6	20.4
3 12	12 42.46	+ 6 38.1	1.915	2.874	6.3	20.2
3 22	12 34.69	+ 7 34.6	1.890	2.874	3.8	20.0
4 1	12 26.36	+ 8 23.9	1.893	2.874	4.7	20.1
4 11	12 18.40	+ 9 0.4	1.925	2.874	7.8	20.3
4 21	12 11.61	+ 9 20.5	1.981	2.874	11.1	20.5
5 1	12 6.61	+ 9 22.7	2.060	2.873	14.1	20.7

265020 2003 HF_{17} 3 28.5 339°.91 0°.6/27.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 48.54	− 5 20.8	1.478	2.312	16.5	20.3
3 2	12 46.07	− 4 38.8	1.396	2.304	12.7	20.0
3 12	12 41.11	− 3 38.2	1.334	2.296	8.2	19.7
3 22	12 34.27	− 2 24.2	1.297	2.288	3.2	19.4
4 1	12 26.57	− 1 4.9	1.285	2.282	2.3	19.3
4 11	12 19.22	+ 0 9.9	1.299	2.276	7.4	19.6
4 21	12 13.32	+ 1 11.6	1.337	2.271	12.2	19.8
5 1	12 9.69	+ 1 54.4	1.396	2.267	16.4	20.1

315992 2009 DN_{64} 3 28.5 214°.39 3°.9/24.7 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 54.13	+ 3 22.4	1.726	2.561	14.5	21.6
3 2	12 49.94	+ 4 30.8	1.647	2.557	11.0	21.4
3 12	12 43.40	+ 5 48.3	1.591	2.553	7.2	21.2
3 22	12 35.13	+ 7 7.2	1.562	2.548	4.2	21.0
4 1	12 26.12	+ 8 19.0	1.560	2.543	5.2	21.0
4 11	12 17.49	+ 9 15.5	1.586	2.538	9.0	21.2
4 21	12 10.24	+ 9 51.7	1.636	2.532	12.8	21.4
5 1	12 5.11	+10 5.4	1.707	2.526	16.3	21.6

430531 2002 CV_{184} 3 28.5 97°.57 8°.8/17.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 51.28	+17 20.0	1.858	2.703	13.2	20.6
3 2	12 47.57	+19 34.9	1.810	2.711	10.7	20.4
3 12	12 41.72	+21 44.9	1.787	2.718	9.1	20.3
3 22	12 34.41	+23 39.3	1.791	2.726	9.0	20.3
4 1	12 26.54	+25 8.3	1.821	2.733	10.5	20.5
4 11	12 19.15	+26 6.4	1.875	2.741	12.8	20.6
4 21	12 13.09	+26 32.4	1.951	2.748	15.2	20.8
5 1	12 8.99	+26 28.6	2.044	2.755	17.3	21.0

523509 2017 LJ 3 28.5 206°.57 1°.1/26.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 51.25	− 7 8.8	2.185	2.985	13.1	21.5
3 2	12 47.29	− 5 20.5	2.089	2.981	10.0	21.3
3 12	12 41.47	− 3 13.0	2.020	2.976	6.3	21.1
3 22	12 34.32	− 0 52.7	1.979	2.971	2.4	20.8
4 1	12 26.58	+ 1 31.5	1.971	2.965	2.4	20.8
4 11	12 19.10	+ 3 49.2	1.994	2.958	6.4	21.0
4 21	12 12.67	+ 5 52.0	2.045	2.952	10.1	21.3
5 1	12 7.89	+ 7 33.6	2.123	2.944	13.4	21.5

472276 2014 UN_{132} 3 28.5 189°.14 4°.8/23.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 52.64	+ 7 26.6	1.923	2.761	13.1	20.5
3 2	12 48.52	+ 8 33.1	1.851	2.761	10.0	20.3
3 12	12 42.32	+ 9 43.5	1.803	2.760	6.8	20.1
3 22	12 34.66	+10 50.4	1.782	2.760	4.8	20.0
4 1	12 26.41	+11 46.4	1.788	2.760	6.0	20.0
4 11	12 18.55	+12 25.4	1.821	2.760	9.0	20.2
4 21	12 11.94	+12 44.2	1.879	2.759	12.2	20.4
5 1	12 7.21	+12 41.9	1.958	2.759	15.1	20.6

495886 2004 TB_7 3 28.5 198°.33 2°.6/25.0 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 53.05	+ 3 21.4	2.805	3.618	10.1	22.9
3 2	12 48.21	+ 4 17.1	2.715	3.614	7.6	22.7
3 12	12 41.85	+ 5 18.1	2.651	3.608	4.9	22.5
3 22	12 34.42	+ 6 20.1	2.617	3.602	2.7	22.4
4 1	12 26.53	+ 7 17.9	2.613	3.595	3.4	22.4
4 11	12 18.86	+ 8 6.9	2.639	3.587	6.1	22.6
4 21	12 12.02	+ 8 43.9	2.694	3.579	8.8	22.7
5 1	12 6.51	+ 9 6.8	2.773	3.569	11.3	22.9

95942 2003 LU_5 3 28.5 290°.32 0°.2/28.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 50.67	− 5 50.1	2.467	3.267	11.8	20.1
3 2	12 46.81	− 5 29.1	2.351	3.239	9.1	19.9
3 12	12 41.20	− 4 56.8	2.259	3.211	6.0	19.7
3 22	12 34.25	− 4 15.6	2.193	3.183	2.5	19.4
4 1	12 26.60	− 3 29.2	2.157	3.155	1.3	19.2
4 11	12 19.03	− 2 42.6	2.150	3.126	5.0	19.5
4 21	12 12.27	− 2 0.5	2.171	3.098	8.6	19.6
5 1	12 6.97	− 1 27.2	2.217	3.069	11.8	19.8

81321 2000 GE_{17} 3 28.5 164°.43 0°.4/28.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 53.86	− 5 17.9	2.064	2.868	13.6	19.7
3 2	12 49.31	− 4 38.6	1.981	2.873	10.4	19.5
3 12	12 42.78	− 3 46.2	1.922	2.877	6.7	19.3
3 22	12 34.84	− 2 44.7	1.890	2.881	2.6	19.1
4 1	12 26.32	− 1 39.9	1.887	2.884	1.7	19.0
4 11	12 18.16	− 0 38.4	1.913	2.886	5.8	19.3
4 21	12 11.16	+ 0 14.2	1.966	2.888	9.6	19.5
5 1	12 5.97	+ 0 53.6	2.043	2.889	12.9	19.7

87587 2000 RL_{22} 3 28.5 147°.92 1°.0/29.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 51.01	−10 51.8	2.097	2.885	13.9	19.8
3 2	12 47.14	− 9 59.5	2.012	2.891	10.9	19.6
3 12	12 41.37	− 8 49.0	1.950	2.896	7.3	19.4
3 22	12 34.28	− 7 24.1	1.915	2.901	3.4	19.2
4 1	12 26.64	− 5 50.8	1.908	2.906	1.4	19.0
4 11	12 19.35	− 4 16.8	1.932	2.910	5.2	19.3
4 21	12 13.18	− 2 49.7	1.983	2.914	9.0	19.5
5 1	12 8.73	− 1 35.4	2.059	2.918	12.3	19.7

208665 2002 GJ_{12} 3 28.5 284°.05 9°.2/18.9 17 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 53.27	+14 51.0	1.560	2.411	14.9	20.0
3 2	12 49.82	+16 47.9	1.479	2.388	12.1	19.8
3 12	12 43.64	+18 46.9	1.421	2.364	9.8	19.6
3 22	12 35.36	+20 35.6	1.388	2.341	9.3	19.5
4 1	12 26.00	+22 1.3	1.381	2.317	11.2	19.5
4 11	12 16.90	+22 54.7	1.396	2.293	14.4	19.6
4 21	12 9.27	+23 12.0	1.433	2.268	17.8	19.8
5 1	12 4.07	+22 54.3	1.486	2.244	20.9	19.9

1264 Letaba 3 28.5 300°.99 9°.1/ 8.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 49.31	−33 7.7	2.078	2.740	17.7	14.4
3 2	12 46.43	−33 20.6	1.967	2.724	15.9	14.2
3 12	12 41.26	−33 3.7	1.872	2.708	13.7	14.0
3 22	12 34.34	−32 13.3	1.797	2.693	11.4	13.8
4 1	12 26.56	−30 48.6	1.746	2.677	9.6	13.7
4 11	12 19.00	−28 53.6	1.719	2.662	9.1	13.6
4 21	12 12.67	−26 36.9	1.719	2.647	10.4	13.7
5 1	12 8.38	−24 9.7	1.744	2.632	12.8	13.8

297687 2001 UL_{204} 3 28.5 198°.83 2°.4/30.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 55.86	−12 32.6	1.815	2.597	16.0	21.4
3 2	12 51.29	−12 16.9	1.723	2.594	12.8	21.2
3 12	12 44.32	−11 41.2	1.651	2.591	9.0	21.0
3 22	12 35.55	−10 47.0	1.605	2.587	4.8	20.7
4 1	12 25.95	− 9 38.9	1.587	2.582	2.5	20.5
4 11	12 16.65	− 8 24.2	1.597	2.577	5.9	20.7
4 21	12 8.71	− 7 11.1	1.633	2.571	10.1	21.0
5 1	12 2.90	− 6 7.0	1.694	2.564	14.0	21.2

13853 Jenniferfritz 3 28.5 204°.10 0°.5/28.9 18 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 55.66	− 6 49.7	2.046	2.842	14.0	19.4
3 2	12 50.83	− 6 28.2	1.952	2.837	10.9	19.2
3 12	12 43.86	− 5 52.9	1.882	2.833	7.2	19.0
3 22	12 35.33	− 5 6.7	1.838	2.827	3.0	18.7
4 1	12 26.08	− 4 14.3	1.823	2.821	1.4	18.5
4 11	12 17.10	− 3 21.9	1.837	2.814	5.7	18.8
4 21	12 9.30	− 2 35.2	1.879	2.806	9.7	19.0
5 1	12 3.37	− 1 59.1	1.944	2.798	13.2	19.2

195250 2002 EG_{46} 3 28.5 316°.55 2°.0/30.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 53.44	− 9 27.7	1.787	2.586	15.6	20.2
3 2	12 49.48	− 9 34.3	1.696	2.580	12.3	19.9
3 12	12 43.17	− 9 25.2	1.627	2.573	8.5	19.7
3 22	12 35.10	− 9 2.0	1.582	2.567	4.3	19.4
4 1	12 26.20	− 8 28.0	1.564	2.561	2.2	19.3
4 11	12 17.57	− 7 49.1	1.574	2.555	5.9	19.5
4 21	12 10.23	− 7 11.5	1.610	2.549	10.1	19.7
5 1	12 4.98	− 6 40.9	1.668	2.544	13.9	19.9

130575 2000 RV_{67} 3 28.5 150°.16 1°.7/26.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 57.84	− 0 48.3	1.884	2.699	14.3	20.2
3 2	12 52.47	− 0 13.8	1.809	2.708	10.8	20.0
3 12	12 44.86	+ 0 30.2	1.758	2.716	6.9	19.8
3 22	12 35.70	+ 1 19.0	1.733	2.724	2.8	19.6
4 1	12 25.92	+ 2 6.4	1.737	2.731	2.8	19.6
4 11	12 16.62	+ 2 46.2	1.770	2.737	6.9	19.8
4 21	12 8.69	+ 3 13.9	1.830	2.743	10.7	20.1
5 1	12 2.82	+ 3 26.6	1.912	2.748	14.1	20.3

213187 2000 SS_{245} 3 28.5 186°.18 2°.8/25.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 53.08	− 1 0.0	1.700	2.528	14.9	20.5
3 2	12 49.16	+ 0 19.3	1.621	2.529	11.3	20.3
3 12	12 42.90	+ 1 52.7	1.566	2.528	7.2	20.0
3 22	12 34.96	+ 3 32.7	1.538	2.528	3.3	19.8
4 1	12 26.31	+ 5 10.0	1.537	2.526	4.1	19.8
4 11	12 18.05	+ 6 34.8	1.565	2.525	8.3	20.1
4 21	12 11.18	+ 7 40.3	1.617	2.523	12.4	20.3
5 1	12 6.41	+ 8 22.7	1.691	2.521	15.9	20.5

19214 1993 FT_{22} 3 28.5 54°.45 1°.3/29.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 50.83	− 9 16.3	2.180	2.973	13.3	18.6
3 2	12 46.95	− 9 0.7	2.097	2.978	10.4	18.4
3 12	12 41.24	− 8 31.1	2.036	2.983	7.0	18.2
3 22	12 34.24	− 7 49.8	2.001	2.987	3.4	18.0
4 1	12 26.71	− 7 1.1	1.995	2.992	1.5	17.9
4 11	12 19.50	− 6 10.3	2.018	2.997	4.9	18.1
4 21	12 13.35	− 5 22.8	2.067	3.002	8.5	18.3
5 1	12 8.84	− 4 43.4	2.142	3.008	11.6	18.6

262837 2007 BP_{3} 3 28.5 96°.84 6°.7/22.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 56.26	+12 43.6	1.756	2.595	14.1	20.4
3 2	12 51.41	+13 47.7	1.695	2.601	11.0	20.2
3 12	12 44.23	+14 50.0	1.658	2.606	8.1	20.0
3 22	12 35.45	+15 42.3	1.646	2.612	6.7	20.0
4 1	12 26.09	+16 16.9	1.661	2.617	7.9	20.1
4 11	12 17.29	+16 28.9	1.701	2.623	10.7	20.2
4 21	12 9.98	+16 17.0	1.765	2.628	13.7	20.4
5 1	12 4.84	+15 42.7	1.850	2.633	16.5	20.6

13311 1998 RA_{68} 3 28.5 225°.35 1°.0/29.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 54.96	− 7 29.8	2.418	3.203	12.4	17.9
3 2	12 50.01	− 7 28.2	2.317	3.195	9.7	17.7
3 12	12 43.21	− 7 15.6	2.239	3.186	6.5	17.5
3 22	12 35.06	− 6 53.8	2.189	3.176	3.0	17.2
4 1	12 26.26	− 6 25.6	2.169	3.166	1.4	17.1
4 11	12 17.64	− 5 55.4	2.178	3.156	4.8	17.3
4 21	12 9.99	− 5 27.3	2.216	3.145	8.3	17.5
5 1	12 3.93	− 5 5.3	2.279	3.134	11.4	17.7

477461 2009 WP_{255} 3 28.5 135°.85 1°.3/26.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 47.58	+ 1 0.0	3.546	4.356	8.3	22.0
3 2	12 43.74	+ 1 33.7	3.466	4.363	6.2	21.9
3 12	12 38.83	+ 2 11.6	3.412	4.370	3.9	21.7
3 22	12 33.20	+ 2 51.1	3.388	4.377	1.7	21.6
4 1	12 27.29	+ 3 28.9	3.394	4.384	2.0	21.6
4 11	12 21.58	+ 4 1.9	3.430	4.390	4.2	21.8
4 21	12 16.49	+ 4 27.9	3.495	4.397	6.5	21.9
5 1	12 12.38	+ 4 45.0	3.585	4.403	8.5	22.1

157245 2004 RU_{110} 3 28.5 186°.91 0°.3/28.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 52.93	− 5 8.1	2.209	3.012	12.8	21.2
3 2	12 48.53	− 4 35.3	2.121	3.011	9.9	21.0
3 12	12 42.27	− 3 50.5	2.056	3.011	6.4	20.7
3 22	12 34.67	− 2 57.3	2.019	3.010	2.5	20.5
4 1	12 26.49	− 2 0.6	2.011	3.008	1.5	20.4
4 11	12 18.60	− 1 6.3	2.033	3.007	5.5	20.7
4 21	12 11.78	− 0 19.7	2.081	3.004	9.1	20.9
5 1	12 6.63	+ 0 15.4	2.154	3.002	12.3	21.1

308647 2006 BH_{6} 3 28.5 30°.38 14°.0/ 3.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	13 7.03	−22 47.1	1.060	1.825	26.0	19.7
3 2	13 2.14	−25 36.9	0.992	1.829	22.8	19.5
3 12	12 52.70	−28 2.8	0.941	1.833	19.2	19.3
3 22	12 39.35	−29 52.0	0.908	1.839	15.9	19.1
4 1	12 23.83	−30 54.1	0.896	1.844	14.1	19.0
4 11	12 8.65	−31 7.9	0.905	1.850	14.8	19.0
4 21	11 56.21	−30 42.6	0.934	1.857	17.4	19.2
5 1	11 48.11	−29 53.9	0.981	1.864	20.6	19.4

98678 2000 WF_{173} 3 28.5 38°.24 5°.1/23.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 52.92	+ 7 43.6	1.696	2.540	14.3	18.7
3 2	12 48.91	+ 8 43.1	1.635	2.548	10.9	18.5
3 12	12 42.64	+ 9 45.6	1.596	2.555	7.4	18.3
3 22	12 34.82	+10 43.3	1.583	2.563	5.2	18.2
4 1	12 26.44	+11 28.4	1.597	2.571	6.3	18.3
4 11	12 18.58	+11 55.1	1.637	2.580	9.5	18.5
4 21	12 12.15	+12 0.6	1.701	2.589	12.9	18.7
5 1	12 7.80	+11 45.0	1.786	2.598	15.9	18.9

370678 2004 ER_{64} 3 28.5 90°.57 1°.5/28.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	13 17.11	+ 3 10.4	1.072	1.898	22.0	19.9
3 2	13 8.81	+ 2 12.8	1.009	1.910	17.0	19.6
3 12	12 56.18	+ 1 17.0	0.965	1.923	11.1	19.3
3 22	12 40.40	+ 0 20.7	0.945	1.936	4.5	19.0
4 1	12 23.45	− 0 37.9	0.952	1.949	3.1	19.0
4 11	12 7.71	− 1 40.1	0.986	1.961	9.5	19.4
4 21	11 55.00	− 2 46.2	1.044	1.973	15.3	19.7
5 1	11 46.38	− 3 56.6	1.122	1.985	20.1	20.0

82473 2001 OR_{22} 3 28.5 172°.34 4°.0/24.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 56.07	+ 7 4.0	2.294	3.116	11.8	20.3
3 2	12 50.77	+ 7 58.1	2.218	3.120	9.0	20.1
3 12	12 43.62	+ 8 55.3	2.168	3.123	6.0	19.9
3 22	12 35.18	+ 9 49.6	2.146	3.126	4.0	19.8
4 1	12 26.24	+10 35.2	2.153	3.127	4.9	19.9
4 11	12 17.66	+11 7.3	2.190	3.129	7.7	20.0
4 21	12 10.19	+11 23.1	2.252	3.129	10.6	20.2
5 1	12 4.42	+11 21.8	2.338	3.129	13.3	20.4

61225 2000 OP_{13} 3 28.5 193°.96 2°.1/30.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 54.02	−12 4.3	2.321	3.093	13.3	20.1
3 2	12 49.36	−11 52.7	2.225	3.091	10.6	19.9
3 12	12 42.81	−11 25.9	2.151	3.088	7.4	19.6
3 22	12 34.90	−10 45.3	2.104	3.085	4.0	19.4
4 1	12 26.37	− 9 54.4	2.086	3.081	2.2	19.3
4 11	12 18.09	− 8 58.1	2.098	3.077	4.8	19.5
4 21	12 10.83	− 8 2.3	2.138	3.072	8.3	19.7
5 1	12 5.24	− 7 12.3	2.203	3.067	11.4	19.9

382794 2003 TH_{18} 3 28.5 193°.22 3°.3/ 1.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 52.19	−16 33.4	2.475	3.224	13.1	21.8
3 2	12 47.89	−16 25.7	2.376	3.223	10.7	21.6
3 12	12 41.82	−16 1.0	2.300	3.221	7.9	21.4
3 22	12 34.49	−15 20.0	2.250	3.218	5.0	21.2
4 1	12 26.59	−14 25.5	2.228	3.215	3.3	21.1
4 11	12 18.92	−13 22.1	2.235	3.212	4.8	21.2
4 21	12 12.21	−12 15.6	2.271	3.208	7.7	21.4
5 1	12 7.04	−11 12.0	2.332	3.204	10.6	21.5

422558 2014 TB_{37} 3 28.5 247°.46 2°.2/26.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 55.13	− 0 29.6	1.814	2.636	14.4	21.1
3 2	12 50.77	+ 0 16.4	1.718	2.621	11.0	20.9
3 12	12 44.03	+ 1 14.3	1.645	2.606	7.1	20.6
3 22	12 35.48	+ 2 18.7	1.599	2.590	3.1	20.3
4 1	12 26.03	+ 3 22.5	1.581	2.573	3.4	20.3
4 11	12 16.81	+ 4 17.9	1.591	2.556	7.7	20.5
4 21	12 8.85	+ 4 58.9	1.627	2.539	11.9	20.7
5 1	12 2.97	+ 5 21.6	1.684	2.521	15.7	20.9

2020	α_{2000}	δ_{2000}	Δ	r	β	V
67794 2000 UZ_{103}			3 28.5 324°.06		4°.6/ 1.2 18	
	h m	° ′			°	m
2 21	12 52.88	−15 29.4	1.461	2.251	18.8	17.7
3 2	12 49.63	−15 45.2	1.374	2.246	15.4	17.5
3 12	12 43.57	−15 36.8	1.307	2.241	11.4	17.2
3 22	12 35.36	−15 3.7	1.262	2.236	7.1	17.0
4 1	12 26.10	−14 8.9	1.241	2.231	4.6	16.8
4 11	12 17.17	−12 59.8	1.246	2.227	7.0	16.9
4 21	12 9.84	−11 46.3	1.276	2.223	11.4	17.2
5 1	12 5.04	−10 38.3	1.327	2.220	15.6	17.4
90086 2002 VL_{135}			3 28.5 27°.73		3°.1/26.2 18	
2 21	12 53.42	− 0 20.3	1.206	2.056	18.4	19.5
3 2	12 50.20	+ 0 35.2	1.141	2.059	14.0	19.3
3 12	12 43.94	+ 1 45.8	1.097	2.063	8.9	19.0
3 22	12 35.47	+ 3 3.2	1.076	2.067	4.0	18.7
4 1	12 26.09	+ 4 16.3	1.079	2.071	4.6	18.7
4 11	12 17.35	+ 5 14.4	1.106	2.075	9.7	19.0
4 21	12 10.52	+ 5 50.5	1.156	2.080	14.7	19.3
5 1	12 6.47	+ 6 1.5	1.225	2.085	18.9	19.6
176655 2002 NP_{61}			3 28.5 204°.26		0°.5/28.1 16	
2 21	12 57.28	− 3 23.8	1.958	2.765	14.1	21.3
3 2	12 52.14	− 3 7.4	1.868	2.761	10.9	21.0
3 12	12 44.76	− 2 40.1	1.801	2.757	7.0	20.8
3 22	12 35.72	− 2 5.1	1.761	2.752	2.8	20.5
4 1	12 25.94	− 1 27.5	1.750	2.746	1.8	20.4
4 11	12 16.47	− 0 52.8	1.767	2.741	6.2	20.7
4 21	12 8.24	− 0 26.1	1.811	2.734	10.3	20.9
5 1	12 2.02	− 0 11.1	1.880	2.727	13.8	21.1
151756 2003 EN_{3}			3 28.5 16°.43		2°.2/26.8 16	
2 21	12 53.41	+ 0 1.8	1.474	2.313	16.3	19.9
3 2	12 49.69	+ 0 28.9	1.404	2.316	12.4	19.7
3 12	12 43.37	+ 1 6.6	1.356	2.319	7.9	19.4
3 22	12 35.19	+ 1 49.1	1.332	2.323	3.3	19.2
4 1	12 26.26	+ 2 29.2	1.334	2.328	3.4	19.2
4 11	12 17.84	+ 2 59.7	1.362	2.333	8.0	19.5
4 21	12 11.03	+ 3 15.7	1.414	2.338	12.4	19.7
5 1	12 6.58	+ 3 14.3	1.487	2.345	16.3	20.0
210169 2006 TK_{19}			3 28.5 205°.10		4°.2/24.2 18	
2 21	12 56.26	+10 18.3	2.434	3.255	11.2	20.1
3 2	12 50.83	+10 45.1	2.355	3.254	8.6	19.9
3 12	12 43.62	+11 11.2	2.302	3.253	6.0	19.7
3 22	12 35.18	+11 31.9	2.276	3.251	4.3	19.6
4 1	12 26.27	+11 42.8	2.280	3.250	5.1	19.7
4 11	12 17.70	+11 40.6	2.312	3.248	7.5	19.8
4 21	12 10.19	+11 23.9	2.372	3.246	10.2	20.0
5 1	12 4.32	+10 52.6	2.454	3.244	12.7	20.2
163608 2002 TW_{259}			3 28.5 92°.17		0°.2/28.3 18	
2 21	12 51.92	− 4 51.5	2.194	3.000	12.8	20.1
3 2	12 47.70	− 4 23.9	2.117	3.010	9.8	20.0
3 12	12 41.67	− 3 45.1	2.065	3.020	6.3	19.8
3 22	12 34.42	− 2 58.8	2.039	3.030	2.5	19.5
4 1	12 26.69	− 2 9.8	2.042	3.040	1.5	19.5
4 11	12 19.32	− 1 23.6	2.074	3.049	5.3	19.7
4 21	12 13.03	− 0 44.7	2.134	3.059	8.8	20.0
5 1	12 8.38	− 0 16.7	2.217	3.068	11.9	20.2
297942 2002 ET_{161}			3 28.5 101°.95		2°.9/31.1 18	
2 21	12 57.33	−13 30.2	1.664	2.446	17.3	21.4
3 2	12 52.34	−13 19.0	1.597	2.467	13.7	21.2
3 12	12 44.89	−12 46.5	1.550	2.487	9.6	21.0
3 22	12 35.74	−11 54.8	1.528	2.507	5.3	20.8
4 1	12 26.00	−10 49.1	1.533	2.527	2.9	20.6
4 11	12 16.86	− 9 37.4	1.566	2.546	6.0	20.9
4 21	12 9.33	− 8 28.0	1.625	2.564	10.0	21.1
5 1	12 4.10	− 7 28.1	1.708	2.582	13.7	21.4
496317 2013 HS_{40}			3 28.5 147°.93		3°.0/31.3 18	
2 21	12 55.10	−14 6.9	1.784	2.562	16.4	22.2
3 2	12 50.66	−13 52.9	1.702	2.569	13.2	22.0
3 12	12 43.87	−13 17.6	1.640	2.575	9.4	21.7
3 22	12 35.38	−12 22.7	1.603	2.581	5.3	21.5
4 1	12 26.16	−11 12.9	1.593	2.587	3.0	21.4
4 11	12 17.37	− 9 55.6	1.612	2.592	5.8	21.6
4 21	12 9.99	− 8 39.2	1.657	2.597	9.8	21.8
5 1	12 4.74	− 7 31.4	1.726	2.601	13.5	22.0
429191 2009 WL_{53}			3 28.5 111°.38		3°.2/25.2 18	
2 21	12 54.23	+ 3 33.6	2.049	2.875	12.9	21.5
3 2	12 49.49	+ 4 25.8	1.984	2.889	9.7	21.3
3 12	12 42.83	+ 5 23.7	1.943	2.902	6.2	21.1
3 22	12 34.88	+ 6 21.3	1.929	2.916	3.4	21.0
4 1	12 26.46	+ 7 12.3	1.945	2.928	4.2	21.1
4 11	12 18.50	+ 7 51.2	1.988	2.941	7.3	21.3
4 21	12 11.77	+ 8 14.7	2.057	2.953	10.6	21.5
5 1	12 6.84	+ 8 21.3	2.150	2.965	13.5	21.7

2020	α_{2000}	δ_{2000}	Δ	r	β	V
330996 2009 UT_{33}			3 28.5 53°.90		4°.3/24.8 16	
	h m	° ′			°	m
2 21	12 55.36	+ 6 32.5	1.737	2.574	14.3	21.1
3 2	12 50.73	+ 7 13.5	1.671	2.581	10.9	20.9
3 12	12 43.81	+ 7 57.9	1.629	2.588	7.2	20.7
3 22	12 35.31	+ 8 39.0	1.613	2.596	4.5	20.5
4 1	12 26.24	+ 9 9.9	1.624	2.604	5.4	20.6
4 11	12 17.69	+ 9 25.5	1.661	2.612	8.7	20.8
4 21	12 10.60	+ 9 23.1	1.724	2.620	12.3	21.0
5 1	12 5.62	+ 9 2.4	1.807	2.628	15.4	21.2
296860 2009 WU_{225}			3 28.5 31°.55		0°.1/28.4 17	
2 21	12 47.46	− 5 18.0	2.652	3.456	10.9	20.9
3 2	12 44.04	− 4 49.8	2.574	3.465	8.3	20.7
3 12	12 39.21	− 4 12.1	2.520	3.474	5.4	20.6
3 22	12 33.42	− 3 27.9	2.493	3.484	2.1	20.3
4 1	12 27.25	− 2 41.1	2.496	3.493	1.2	20.3
4 11	12 21.36	− 1 56.1	2.528	3.503	4.4	20.5
4 21	12 16.29	− 1 16.9	2.587	3.514	7.4	20.7
5 1	12 12.51	− 0 46.6	2.672	3.524	10.1	20.9
271897 2004 VM_{45}			3 28.5 136°.07		2°.8/25.6 17	
2 21	12 53.39	+ 2 40.3	2.140	2.964	12.5	21.4
3 2	12 48.85	+ 3 28.8	2.067	2.971	9.4	21.2
3 12	12 42.44	+ 4 23.5	2.019	2.978	6.0	21.0
3 22	12 34.74	+ 5 19.3	1.997	2.985	3.1	20.8
4 1	12 26.55	+ 6 10.0	2.005	2.991	3.8	20.8
4 11	12 18.74	+ 6 50.2	2.042	2.998	7.0	21.1
4 21	12 12.07	+ 7 16.3	2.104	3.003	10.2	21.3
5 1	12 7.11	+ 7 26.5	2.190	3.009	13.1	21.5
208591 2002 CO_{132}			3 28.5 114°.85		1°.7/29.9 18	
2 21	12 58.60	− 9 35.8	1.722	2.514	16.4	20.9
3 2	12 53.24	− 9 29.4	1.651	2.531	12.8	20.7
3 12	12 45.46	− 9 6.1	1.602	2.548	8.7	20.4
3 22	12 35.99	− 8 28.2	1.578	2.564	4.2	20.2
4 1	12 25.89	− 7 40.6	1.582	2.579	2.0	20.1
4 11	12 16.34	− 6 50.1	1.614	2.594	5.9	20.4
4 21	12 8.35	− 6 3.4	1.673	2.608	10.1	20.7
5 1	12 2.62	− 5 26.2	1.756	2.622	13.8	20.9
146503 2001 SZ_{42}			3 28.5 210°.13		1°.2/27.3 17	
2 21	12 54.27	− 2 24.4	2.217	3.025	12.6	20.9
3 2	12 49.60	− 1 45.6	2.124	3.019	9.6	20.7
3 12	12 43.01	− 0 56.3	2.055	3.012	6.1	20.4
3 22	12 35.01	− 0 0.7	2.013	3.004	2.4	20.2
4 1	12 26.38	+ 0 56.0	2.002	2.996	2.2	20.1
4 11	12 18.00	+ 1 47.8	2.019	2.988	6.0	20.4
4 21	12 10.67	+ 2 29.7	2.064	2.978	9.7	20.6
5 1	12 5.04	+ 2 58.2	2.133	2.969	12.9	20.8
138574 2000 QS_{109}			3 28.5 273°.16		2°.8/25.1 17	
2 21	12 49.15	+ 1 55.1	2.265	3.093	11.7	20.0
3 2	12 45.64	+ 3 0.3	2.180	3.087	8.8	19.8
3 12	12 40.41	+ 4 13.6	2.120	3.082	5.7	19.6
3 22	12 33.95	+ 5 29.4	2.088	3.076	3.0	19.4
4 1	12 26.96	+ 6 41.3	2.085	3.070	3.8	19.5
4 11	12 20.23	+ 7 42.9	2.110	3.064	6.9	19.7
4 21	12 14.46	+ 8 29.8	2.162	3.058	10.1	19.9
5 1	12 10.22	+ 8 59.4	2.236	3.052	13.0	20.0
350627 2001 SF_{256}			3 28.5 170°.80		1°.7/26.0 18	
2 21	12 51.34	+ 1 38.7	3.208	4.016	9.1	21.9
3 2	12 46.71	+ 2 17.9	3.124	4.020	6.9	21.7
3 12	12 40.81	+ 3 1.9	3.066	4.024	4.4	21.5
3 22	12 34.05	+ 3 47.2	3.038	4.027	2.1	21.4
4 1	12 26.94	+ 4 30.1	3.041	4.029	2.4	21.4
4 11	12 20.05	+ 5 7.2	3.074	4.031	4.8	21.6
4 21	12 13.89	+ 5 35.7	3.136	4.033	7.3	21.7
5 1	12 8.87	+ 5 53.7	3.224	4.034	9.5	21.9
213892 2003 SH_{334}			3 28.5 262°.64		0°.2/28.7 18	
2 21	12 53.09	− 6 54.0	1.613	2.428	16.2	20.7
3 2	12 49.44	− 6 22.3	1.525	2.421	12.6	20.5
3 12	12 43.28	− 5 32.5	1.458	2.414	8.3	20.2
3 22	12 35.23	− 4 28.5	1.417	2.407	3.4	19.9
4 1	12 26.29	− 3 16.9	1.402	2.399	1.7	19.8
4 11	12 17.67	− 2 6.5	1.414	2.392	6.8	20.1
4 21	12 10.47	− 1 5.3	1.451	2.385	11.5	20.3
5 1	12 5.52	− 0 19.6	1.511	2.377	15.6	20.5
38934 2000 SB_{239}			3 28.5 246°.70		4°.1/24.7 17	
2 21	12 54.04	+ 3 5.9	1.670	2.507	14.8	19.5
3 2	12 50.08	+ 4 17.7	1.585	2.496	11.3	19.3
3 12	12 43.65	+ 5 40.2	1.523	2.484	7.4	19.0
3 22	12 35.37	+ 7 5.4	1.486	2.472	4.3	18.8
4 1	12 26.21	+ 8 24.1	1.477	2.460	5.5	18.8
4 11	12 17.37	+ 9 27.4	1.495	2.447	9.4	19.0
4 21	12 9.90	+10 9.2	1.537	2.435	13.4	19.2
5 1	12 4.62	+10 27.0	1.600	2.421	17.1	19.4

56348 2000 AH_{69} 3 28.5 136°.95 3°.8/25.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 57.82	+ 2 32.2	1.586	2.417	15.7	19.5
3 2	12 52.81	+ 3 38.7	1.521	2.429	11.9	19.3
3 12	12 45.26	+ 4 54.4	1.479	2.440	7.6	19.0
3 22	12 35.94	+ 6 11.2	1.463	2.450	4.1	18.8
4 1	12 25.97	+ 7 20.0	1.474	2.459	5.1	18.9
4 11	12 16.59	+ 8 12.9	1.513	2.468	9.0	19.2
4 21	12 8.85	+ 8 45.0	1.576	2.477	13.0	19.4
5 1	12 3.47	+ 8 54.9	1.661	2.484	16.4	19.7

269677 1995 UK_{65} 3 28.5 299°.62 3°.9/25.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 58.34	+ 6 37.9	1.817	2.646	14.1	20.1
3 2	12 53.10	+ 6 55.4	1.734	2.639	10.8	19.9
3 12	12 45.45	+ 7 15.2	1.674	2.632	7.2	19.6
3 22	12 36.05	+ 7 32.0	1.640	2.625	4.2	19.4
4 1	12 25.87	+ 7 40.0	1.634	2.618	4.9	19.5
4 11	12 16.09	+ 7 34.8	1.656	2.611	8.4	19.7
4 21	12 7.70	+ 7 14.2	1.704	2.605	12.1	19.9
5 1	12 1.48	+ 6 37.7	1.773	2.598	15.5	20.1

269342 2008 TU_{91} 3 28.5 253°.57 1°.6/26.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 51.00	− 2 21.8	2.122	2.939	12.8	20.8
3 2	12 47.25	− 1 24.7	2.026	2.926	9.7	20.6
3 12	12 41.58	− 0 15.2	1.953	2.913	6.2	20.4
3 22	12 34.48	+ 1 1.8	1.908	2.899	2.5	20.1
4 1	12 26.70	+ 2 19.8	1.892	2.885	2.7	20.1
4 11	12 19.14	+ 3 31.6	1.905	2.871	6.5	20.3
4 21	12 12.60	+ 4 31.3	1.944	2.856	10.3	20.5
5 1	12 7.74	+ 5 14.6	2.007	2.842	13.6	20.7

417037 2005 UT_{114} 3 28.5 100°.49 5°.2/23.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 59.49	+10 42.8	1.952	2.779	13.4	21.2
3 2	12 53.50	+11 24.7	1.896	2.797	10.3	21.1
3 12	12 45.39	+12 5.3	1.864	2.815	7.2	20.9
3 22	12 35.91	+12 38.4	1.859	2.833	5.3	20.8
4 1	12 26.01	+12 58.0	1.883	2.850	6.2	20.9
4 11	12 16.73	+13 0.4	1.934	2.867	8.9	21.1
4 21	12 8.91	+12 44.7	2.011	2.884	11.9	21.3
5 1	12 3.13	+12 11.6	2.109	2.900	14.5	21.5

436697 2011 SL_{256} 3 28.5 240°.66 0°.2/28.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 48.95	− 7 19.0	2.659	3.452	11.2	21.8
3 2	12 45.29	− 6 33.9	2.557	3.442	8.6	21.6
3 12	12 40.11	− 5 36.3	2.480	3.431	5.6	21.4
3 22	12 33.84	− 4 29.2	2.431	3.421	2.3	21.2
4 1	12 27.07	− 3 17.3	2.412	3.410	1.2	21.0
4 11	12 20.48	− 2 5.9	2.423	3.399	4.6	21.3
4 21	12 14.69	− 1 0.2	2.463	3.387	7.8	21.5
5 1	12 10.22	− 0 4.6	2.528	3.376	10.7	21.6

465457 2008 SE_{99} 3 28.5 227°.30 2°.9/25.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 56.15	+ 4 51.2	2.447	3.263	11.4	21.7
3 2	12 50.88	+ 5 23.4	2.352	3.251	8.7	21.5
3 12	12 43.76	+ 5 59.7	2.283	3.239	5.7	21.3
3 22	12 35.32	+ 6 35.5	2.241	3.227	3.2	21.1
4 1	12 26.27	+ 7 6.0	2.230	3.213	3.8	21.1
4 11	12 17.45	+ 7 27.0	2.248	3.199	6.7	21.3
4 21	12 9.60	+ 7 35.5	2.293	3.185	9.8	21.5
5 1	12 3.34	+ 7 29.9	2.363	3.170	12.6	21.6

70204 1999 RD_{26} 3 28.5 69°.71 2°.0/26.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 54.72	− 1 49.5	1.472	2.304	16.7	18.8
3 2	12 50.53	− 0 59.7	1.413	2.322	12.6	18.6
3 12	12 43.80	+ 0 3.2	1.377	2.339	7.9	18.4
3 22	12 35.35	+ 1 12.3	1.365	2.356	3.2	18.2
4 1	12 26.31	+ 2 19.0	1.380	2.374	3.3	18.2
4 11	12 17.94	+ 3 15.0	1.422	2.391	7.9	18.5
4 21	12 11.24	+ 3 54.2	1.488	2.409	12.2	18.8
5 1	12 6.89	+ 4 13.9	1.575	2.426	15.9	19.1

489987 2008 SN_{145} 3 28.5 237°.84 0°.3/28.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 55.76	− 7 38.3	1.745	2.548	15.7	23.0
3 2	12 51.44	− 6 58.4	1.644	2.533	12.3	22.7
3 12	12 44.61	− 5 59.5	1.564	2.517	8.1	22.4
3 22	12 35.81	− 4 45.0	1.511	2.500	3.4	22.1
4 1	12 26.01	− 3 21.3	1.485	2.483	1.7	21.9
4 11	12 16.40	− 1 57.4	1.488	2.464	6.7	22.2
4 21	12 8.09	− 0 41.9	1.517	2.445	11.5	22.5
5 1	12 1.97	+ 0 18.1	1.569	2.425	15.6	22.7

447261 2005 UY_{324} 3 28.5 90°.77 2°.6/26.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 58.99	+ 0 35.8	1.361	2.196	17.6	21.3
3 2	12 54.10	+ 1 5.7	1.298	2.207	13.4	21.1
3 12	12 46.28	+ 1 46.2	1.255	2.218	8.5	20.8
3 22	12 36.42	+ 2 30.7	1.238	2.228	3.7	20.6
4 1	12 25.79	+ 3 11.2	1.246	2.239	3.9	20.6
4 11	12 15.85	+ 3 40.3	1.280	2.249	8.6	20.9
4 21	12 7.82	+ 3 52.9	1.338	2.259	13.3	21.2
5 1	12 2.48	+ 3 47.1	1.417	2.269	17.2	21.4

435405 2008 AL_{30} 3 28.5 170°.68 4°.6/22.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 51.55	+10 7.5	2.411	3.243	11.0	21.4
3 2	12 47.32	+11 5.5	2.339	3.243	8.4	21.2
3 12	12 41.42	+12 4.2	2.292	3.244	6.0	21.0
3 22	12 34.37	+12 57.9	2.273	3.244	4.7	20.9
4 1	12 26.86	+13 40.9	2.282	3.245	5.6	21.0
4 11	12 19.67	+14 8.9	2.319	3.245	8.0	21.1
4 21	12 13.47	+14 19.8	2.382	3.245	10.6	21.3
5 1	12 8.79	+14 13.0	2.466	3.246	13.0	21.5

505048 2011 SU_{6} 3 28.5 127°.35 1°.8/30.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 52.77	−10 28.6	2.556	3.331	12.1	22.2
3 2	12 48.20	−10 30.0	2.468	3.337	9.5	22.0
3 12	12 41.97	−10 19.4	2.404	3.343	6.6	21.8
3 22	12 34.60	− 9 58.3	2.367	3.349	3.5	21.6
4 1	12 26.74	− 9 29.2	2.359	3.355	1.9	21.5
4 11	12 19.15	− 8 56.2	2.381	3.360	4.3	21.7
4 21	12 12.48	− 8 23.3	2.431	3.365	7.4	21.9
5 1	12 7.29	− 7 54.7	2.507	3.371	10.2	22.1

378960 2008 UL_{196} 3 28.5 112°.21 1°.7/26.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 52.45	− 0 39.4	2.073	2.893	13.0	21.4
3 2	12 48.24	+ 0 0.7	1.996	2.898	9.8	21.2
3 12	12 42.13	+ 0 49.8	1.943	2.903	6.2	21.0
3 22	12 34.68	+ 1 43.2	1.917	2.908	2.6	20.8
4 1	12 26.70	+ 2 35.1	1.920	2.913	2.8	20.8
4 11	12 19.09	+ 3 19.6	1.952	2.918	6.4	21.1
4 21	12 12.61	+ 3 52.5	2.009	2.923	9.9	21.3
5 1	12 7.88	+ 4 10.8	2.090	2.927	13.0	21.5

501128 2013 TX_{31} 3 28.5 202°.32 0°.3/28.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 53.23	− 7 14.1	2.555	3.342	11.8	22.9
3 2	12 48.59	− 6 38.1	2.456	3.337	9.1	22.7
3 12	12 42.27	− 5 49.7	2.381	3.331	6.0	22.5
3 22	12 34.74	− 4 51.9	2.335	3.324	2.5	22.2
4 1	12 26.66	− 3 49.1	2.319	3.316	1.2	22.1
4 11	12 18.79	− 2 46.4	2.333	3.308	4.8	22.3
4 21	12 11.82	− 1 49.1	2.376	3.299	8.1	22.5
5 1	12 6.32	− 1 1.5	2.444	3.289	11.1	22.7

264670 2001 XS_{216} 3 28.5 90°.01 6°.0/22.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 56.59	+11 19.2	1.885	2.720	13.5	20.2
3 2	12 51.36	+12 29.8	1.838	2.743	10.4	20.1
3 12	12 44.05	+13 39.1	1.815	2.765	7.5	19.9
3 22	12 35.40	+14 39.2	1.819	2.787	6.0	19.9
4 1	12 26.37	+15 23.2	1.850	2.809	7.1	20.0
4 11	12 17.96	+15 46.6	1.908	2.830	9.7	20.2
4 21	12 11.00	+15 48.0	1.991	2.851	12.5	20.4
5 1	12 6.04	+15 28.7	2.094	2.872	15.0	20.6

406335 2007 RV_{37} 3 28.5 152°.80 1°.2/27.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 56.29	− 3 7.0	1.938	2.748	14.1	22.0
3 2	12 51.28	− 2 23.0	1.861	2.757	10.7	21.8
3 12	12 44.14	− 1 27.0	1.808	2.765	6.8	21.6
3 22	12 35.50	− 0 23.9	1.781	2.772	2.7	21.4
4 1	12 26.28	+ 0 40.0	1.784	2.779	2.3	21.3
4 11	12 17.48	+ 1 37.7	1.816	2.785	6.5	21.6
4 21	12 9.98	+ 2 23.7	1.874	2.791	10.3	21.9
5 1	12 4.44	+ 2 54.5	1.956	2.795	13.7	22.1

278229 2007 EV_{99} 3 28.5 15°.81 0°.1/28.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 53.42	− 5 25.1	1.780	2.593	15.0	21.2
3 2	12 49.38	− 5 5.8	1.698	2.594	11.6	20.9
3 12	12 43.07	− 4 32.6	1.638	2.594	7.6	20.7
3 22	12 35.12	− 3 49.2	1.604	2.595	3.1	20.4
4 1	12 26.46	− 3 1.0	1.598	2.595	1.6	20.3
4 11	12 18.17	− 2 14.7	1.619	2.596	6.2	20.6
4 21	12 11.20	− 1 36.1	1.666	2.597	10.4	20.8
5 1	12 6.28	− 1 9.9	1.735	2.598	14.1	21.1

145559 Didiermüller 3 28.5 166°.57 0°.2/28.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 50.01	− 7 37.0	2.536	3.328	11.7	20.4
3 2	12 46.10	− 6 51.5	2.447	3.331	9.0	20.3
3 12	12 40.63	− 5 53.4	2.383	3.334	5.9	20.1
3 22	12 34.06	− 4 45.9	2.347	3.336	2.4	19.8
4 1	12 27.05	− 3 33.8	2.341	3.339	1.2	19.7
4 11	12 20.29	− 2 22.8	2.364	3.340	4.7	20.0
4 21	12 14.42	− 1 18.1	2.416	3.342	7.9	20.2
5 1	12 9.96	− 0 24.0	2.494	3.343	10.8	20.4

255795 2006 SH_{8} 3 28.5 229°.98 5°.9/23.4 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	13 3.13	+13 25.4	2.119	2.935	12.8	20.8
3 2	12 56.53	+14 4.4	2.030	2.922	10.1	20.6
3 12	12 47.58	+14 41.1	1.965	2.908	7.5	20.4
3 22	12 36.93	+15 8.9	1.928	2.893	6.0	20.3
4 1	12 25.51	+15 21.6	1.920	2.878	6.9	20.3
4 11	12 14.42	+15 15.0	1.941	2.862	9.6	20.5
4 21	12 4.64	+14 48.0	1.987	2.845	12.6	20.6
5 1	11 56.93	+14 1.6	2.056	2.827	15.5	20.8

132080 2002 CS_{165} 3 28.5 82°.06 2°.4/26.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 58.54	− 0 11.3	1.456	2.286	16.9	20.5
3 2	12 53.40	+ 0 30.2	1.402	2.309	12.8	20.3
3 12	12 45.62	+ 1 22.4	1.370	2.331	8.1	20.1
3 22	12 36.09	+ 2 18.4	1.363	2.353	3.4	19.9
4 1	12 26.02	+ 3 10.3	1.383	2.375	3.6	19.9
4 11	12 16.74	+ 3 50.6	1.429	2.397	8.1	20.2
4 21	12 9.26	+ 4 14.4	1.501	2.418	12.4	20.5
5 1	12 4.27	+ 4 19.9	1.593	2.439	16.0	20.8

21847 1999 TA_{116} 3 28.5 68°.33 1°.1/29.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 56.39	− 7 15.5	1.836	2.636	15.2	18.1
3 2	12 51.38	− 7 15.6	1.771	2.657	11.7	17.9
3 12	12 44.18	− 7 2.2	1.728	2.678	7.8	17.7
3 22	12 35.51	− 6 38.0	1.711	2.698	3.5	17.5
4 1	12 26.33	− 6 7.1	1.722	2.719	1.6	17.4
4 11	12 17.69	− 5 35.1	1.761	2.740	5.6	17.7
4 21	12 10.47	− 5 7.2	1.827	2.761	9.5	17.9
5 1	12 5.29	− 4 47.7	1.916	2.781	12.8	18.2

461361 2000 FH_{14} 3 28.5 13°.38 0°.2/28.7 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 47.48	− 9 14.3	1.365	2.193	17.9	21.8
3 2	12 45.40	− 8 11.4	1.292	2.195	13.9	21.6
3 12	12 40.76	− 6 43.5	1.240	2.199	9.1	21.3
3 22	12 34.25	− 4 56.4	1.212	2.203	3.8	21.0
4 1	12 26.97	− 3 0.5	1.209	2.207	1.8	20.9
4 11	12 20.18	− 1 8.4	1.233	2.213	7.3	21.2
4 21	12 14.95	+ 0 28.5	1.280	2.219	12.2	21.5
5 1	12 12.05	+ 1 42.8	1.349	2.226	16.5	21.8

173949 2001 WH_{95} 3 28.5 165°.47 4°.3/22.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 51.07	+ 9 20.8	2.600	3.428	10.4	20.3
3 2	12 46.84	+10 24.7	2.527	3.431	7.9	20.2
3 12	12 41.07	+11 30.0	2.481	3.434	5.6	20.0
3 22	12 34.24	+12 31.0	2.464	3.436	4.3	19.9
4 1	12 27.00	+13 22.5	2.475	3.438	5.2	20.0
4 11	12 20.05	+14 0.0	2.515	3.440	7.5	20.1
4 21	12 14.00	+14 21.3	2.580	3.442	10.0	20.3
5 1	12 9.35	+14 25.5	2.668	3.443	12.2	20.4

2723 Gorshkov 3 28.5 159°.96 0°.4/27.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 50.82	− 4 0.6	2.900	3.697	10.3	18.9
3 2	12 46.49	− 3 27.1	2.814	3.703	7.8	18.7
3 12	12 40.77	− 2 45.3	2.754	3.708	5.0	18.6
3 22	12 34.11	− 1 58.0	2.723	3.713	1.9	18.4
4 1	12 27.07	− 1 9.2	2.721	3.718	1.4	18.3
4 11	12 20.26	− 0 23.0	2.750	3.722	4.4	18.5
4 21	12 14.25	+ 0 16.9	2.808	3.725	7.3	18.7
5 1	12 9.48	+ 0 47.8	2.891	3.729	9.8	18.9

164707 1998 DE_{27} 3 28.5 96°.25 3°.6/31.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 57.55	−13 3.8	1.573	2.360	17.9	20.0
3 2	12 52.86	−13 22.2	1.497	2.369	14.4	19.8
3 12	12 45.48	−13 20.5	1.442	2.379	10.3	19.5
3 22	12 36.15	−12 59.1	1.410	2.388	6.0	19.3
4 1	12 25.98	−12 21.3	1.405	2.397	3.6	19.2
4 11	12 16.31	−11 33.7	1.426	2.406	6.5	19.4
4 21	12 8.28	−10 44.1	1.473	2.415	10.6	19.6
5 1	12 2.70	−10 0.0	1.542	2.423	14.5	19.9

159546 2001 SK_{26} 3 28.5 226°.08 0°.6/28.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 55.29	− 4 59.1	1.565	2.384	16.5	21.3
3 2	12 51.21	− 4 24.3	1.479	2.379	12.7	21.1
3 12	12 44.48	− 3 32.8	1.416	2.374	8.2	20.8
3 22	12 35.78	− 2 29.1	1.377	2.368	3.3	20.5
4 1	12 26.15	− 1 20.4	1.365	2.362	2.2	20.4
4 11	12 16.88	− 0 15.7	1.380	2.355	7.3	20.7
4 21	12 9.12	+ 0 37.4	1.420	2.348	12.1	20.9
5 1	12 3.71	+ 1 13.5	1.481	2.341	16.2	21.2

370791 2004 TX_{65} 3 28.5 131°.28 1°.1/27.2 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 54.83	− 1 33.1	2.546	3.349	11.4	22.4
3 2	12 49.61	− 0 58.0	2.474	3.366	8.6	22.2
3 12	12 42.79	− 0 15.3	2.426	3.382	5.4	22.0
3 22	12 34.92	+ 0 31.2	2.408	3.398	2.2	21.8
4 1	12 26.66	+ 1 16.9	2.420	3.414	2.0	21.8
4 11	12 18.77	+ 1 57.5	2.462	3.428	5.2	22.1
4 21	12 11.88	+ 2 29.3	2.532	3.442	8.3	22.3
5 1	12 6.49	+ 2 49.9	2.627	3.455	10.9	22.5

197538 2004 EH_{79} 3 28.5 315°.12 2°.6/26.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 53.90	− 0 5.4	1.178	2.030	18.7	20.0
3 2	12 51.01	+ 0 21.5	1.096	2.014	14.4	19.6
3 12	12 44.85	+ 1 2.6	1.033	1.999	9.3	19.3
3 22	12 36.08	+ 1 51.6	0.993	1.985	4.0	18.9
4 1	12 25.96	+ 2 39.5	0.977	1.971	4.2	18.9
4 11	12 16.19	+ 3 16.2	0.984	1.958	9.8	19.2
4 21	12 8.27	+ 3 34.2	1.013	1.945	15.4	19.4
5 1	12 3.33	+ 3 29.6	1.060	1.933	20.2	19.7

389681 2011 QA_{17} 3 28.5 192°.23 1°.4/26.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 49.23	− 2 1.3	2.548	3.361	11.1	21.7
3 2	12 45.52	− 1 2.3	2.461	3.360	8.3	21.5
3 12	12 40.27	+ 0 6.2	2.400	3.359	5.3	21.3
3 22	12 33.94	+ 1 19.9	2.366	3.357	2.2	21.1
4 1	12 27.16	+ 2 33.2	2.363	3.356	2.4	21.1
4 11	12 20.62	+ 3 40.6	2.389	3.354	5.5	21.3
4 21	12 14.95	+ 4 37.3	2.443	3.352	8.6	21.5
5 1	12 10.64	+ 5 20.3	2.522	3.350	11.4	21.6

508711 2017 UD_{23} 3 28.5 257°.70 1°.8/26.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 52.06	− 1 4.2	2.012	2.833	13.2	21.7
3 2	12 48.17	− 0 16.7	1.919	2.822	10.1	21.4
3 12	12 42.25	+ 0 41.8	1.851	2.811	6.4	21.2
3 22	12 34.82	+ 1 46.4	1.809	2.800	2.7	20.9
4 1	12 26.68	+ 2 50.6	1.796	2.788	3.0	20.9
4 11	12 18.79	+ 3 47.7	1.810	2.776	6.8	21.1
4 21	12 12.00	+ 4 32.1	1.851	2.764	10.7	21.3
5 1	12 7.01	+ 5 0.1	1.915	2.752	14.0	21.5

8273 Apatheia 3 28.5 55°.23 3°.5/31.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 55.73	−13 41.0	1.503	2.295	18.4	17.1
3 2	12 51.32	−13 47.4	1.445	2.320	14.6	16.9
3 12	12 44.34	−13 31.7	1.407	2.345	10.4	16.8
3 22	12 35.62	−12 55.5	1.393	2.371	6.0	16.6
4 1	12 26.32	−12 3.8	1.404	2.397	3.5	16.5
4 11	12 17.72	−11 4.3	1.442	2.423	6.3	16.7
4 21	12 10.84	−10 5.5	1.505	2.449	10.3	17.0
5 1	12 6.35	− 9 14.6	1.591	2.476	14.0	17.3

249159 2008 BF_{13} 3 28.5 250°.66 0°.7/27.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 53.09	− 2 5.2	2.391	3.199	11.8	20.5
3 2	12 48.56	− 1 52.1	2.302	3.196	9.0	20.3
3 12	12 42.29	− 1 31.3	2.237	3.193	5.8	20.1
3 22	12 34.78	− 1 5.6	2.199	3.190	2.3	19.9
4 1	12 26.73	− 0 38.9	2.191	3.187	1.7	19.8
4 11	12 18.93	− 0 15.4	2.212	3.184	5.3	20.1
4 21	12 12.10	+ 0 1.4	2.260	3.181	8.6	20.3
5 1	12 6.81	+ 0 8.8	2.333	3.178	11.6	20.5

337695 2001 TM_{253} 3 28.5 31°.48 3°.9/24.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 53.74	+ 6 58.6	2.116	2.946	12.3	20.2
3 2	12 49.20	+ 7 35.2	2.042	2.948	9.4	20.0
3 12	12 42.74	+ 8 14.2	1.993	2.951	6.3	19.8
3 22	12 34.96	+ 8 50.3	1.971	2.953	4.0	19.7
4 1	12 26.65	+ 9 18.0	1.977	2.955	4.8	19.7
4 11	12 18.72	+ 9 32.8	2.011	2.958	7.7	19.9
4 21	12 11.95	+ 9 32.3	2.070	2.960	10.8	20.1
5 1	12 6.93	+ 9 15.8	2.152	2.963	13.6	20.3

519300 2011 CM_{121} 3 28.5 174°.13 5°.8/21.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 52.33	+10 21.5	2.093	2.930	12.2	21.3
3 2	12 48.20	+11 56.6	2.025	2.932	9.4	21.1
3 12	12 42.14	+13 33.6	1.983	2.933	6.9	20.9
3 22	12 34.73	+15 4.6	1.968	2.934	5.8	20.9
4 1	12 26.78	+16 21.3	1.981	2.935	7.1	20.9
4 11	12 19.18	+17 17.7	2.022	2.935	9.7	21.1
4 21	12 12.73	+17 50.8	2.086	2.936	12.5	21.3
5 1	12 8.03	+18 0.3	2.172	2.935	15.0	21.5

349071 2007 AU_{19} 3 28.5 168°.21 1°.3/27.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 58.08	− 3 0.8	1.531	2.352	16.7	20.9
3 2	12 53.29	− 2 25.7	1.454	2.355	12.8	20.6
3 12	12 45.78	− 1 36.1	1.399	2.358	8.2	20.4
3 22	12 36.29	− 0 37.5	1.369	2.360	3.2	20.1
4 1	12 25.95	+ 0 22.7	1.367	2.362	2.7	20.0
4 11	12 16.11	+ 1 16.0	1.391	2.363	7.7	20.3
4 21	12 7.91	+ 1 55.8	1.441	2.364	12.3	20.6
5 1	12 2.17	+ 2 18.0	1.512	2.364	16.3	20.8

84452 2002 TQ_{248} 3 28.5 87°.99 1°.2/27.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 52.20	− 2 18.1	2.196	3.009	12.6	19.6
3 2	12 47.87	− 1 37.2	2.128	3.026	9.5	19.5
3 12	12 41.80	− 0 46.9	2.085	3.043	6.0	19.3
3 22	12 34.56	+ 0 8.2	2.068	3.059	2.4	19.1
4 1	12 26.90	+ 1 2.9	2.081	3.076	2.2	19.1
4 11	12 19.65	+ 1 51.6	2.123	3.092	5.7	19.3
4 21	12 13.50	+ 2 29.9	2.192	3.108	9.1	19.6
5 1	12 8.97	+ 2 55.1	2.285	3.124	12.0	19.8

125409 2001 VR_{106} 3 28.5 7°.74 5°.5/ 1.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 51.64	−16 11.9	1.213	2.017	21.2	19.1
3 2	12 49.14	−16 38.0	1.139	2.017	17.4	18.8
3 12	12 43.51	−16 36.0	1.082	2.018	13.0	18.6
3 22	12 35.49	−16 4.8	1.047	2.020	8.3	18.3
4 1	12 26.36	−15 7.6	1.033	2.023	5.5	18.1
4 11	12 17.72	−13 53.5	1.044	2.026	7.8	18.3
4 21	12 10.97	−12 34.1	1.077	2.031	12.4	18.5
5 1	12 7.10	−11 21.0	1.131	2.036	16.8	18.8

287916 2003 TJ_{47} 3 28.6 191°.58 0°.8/29.2 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 57.81	− 6 42.1	1.887	2.684	14.9	22.1
3 2	12 52.69	− 6 35.7	1.798	2.683	11.6	21.8
3 12	12 45.23	− 6 15.8	1.732	2.682	7.7	21.6
3 22	12 36.05	− 5 44.8	1.691	2.680	3.4	21.3
4 1	12 26.09	− 5 7.1	1.680	2.677	1.5	21.2
4 11	12 16.45	− 4 28.4	1.696	2.674	5.9	21.4
4 21	12 8.13	− 3 54.5	1.740	2.671	10.1	21.7
5 1	12 1.90	− 3 30.1	1.808	2.667	13.8	21.9

22785 1999 JP_{62} 3 28.6 284°.27 1°.7/30.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 49.04	−12 0.4	2.280	3.062	13.1	18.4
3 2	12 45.66	−11 29.6	2.183	3.056	10.4	18.2
3 12	12 40.52	−10 41.9	2.109	3.050	7.2	18.0
3 22	12 34.11	− 9 39.9	2.061	3.044	3.7	17.7
4 1	12 27.12	− 8 27.6	2.041	3.038	1.8	17.6
4 11	12 20.36	− 7 11.4	2.051	3.032	4.7	17.8
4 21	12 14.56	− 5 57.6	2.088	3.026	8.3	18.0
5 1	12 10.32	− 4 52.1	2.151	3.020	11.5	18.2

418415 2008 LV_{10} 3 28.6 276°.35 9°.0/19.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 56.38	+18 48.6	1.799	2.635	13.9	20.7
3 2	12 51.80	+20 9.9	1.726	2.621	11.5	20.5
3 12	12 44.74	+21 25.9	1.677	2.607	9.5	20.3
3 22	12 35.88	+22 26.9	1.652	2.593	9.1	20.3
4 1	12 26.22	+23 4.0	1.653	2.579	10.4	20.3
4 11	12 16.96	+23 12.1	1.679	2.565	12.9	20.4
4 21	12 9.15	+22 50.2	1.726	2.551	15.7	20.6
5 1	12 3.55	+22 0.7	1.792	2.537	18.3	20.7

303389 2004 XM_{56} 3 28.6 46°.77 0°.8/27.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 55.79	− 3 25.7	1.266	2.103	18.6	20.4
3 2	12 51.80	− 3 6.9	1.208	2.117	14.2	20.1
3 12	12 44.89	− 2 32.9	1.170	2.132	9.1	19.9
3 22	12 35.93	− 1 49.2	1.155	2.147	3.5	19.6
4 1	12 26.24	− 1 3.4	1.166	2.163	2.4	19.6
4 11	12 17.30	− 0 23.9	1.201	2.179	7.8	19.9
4 21	12 10.28	+ 0 2.7	1.261	2.195	12.7	20.3
5 1	12 5.96	+ 0 12.6	1.340	2.212	16.9	20.6

288996 2004 TN_{66} 3 28.6 155°.32 3°.5/25.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 58.86	+ 4 5.5	1.956	2.776	13.6	21.3
3 2	12 53.22	+ 4 56.4	1.884	2.786	10.3	21.1
3 12	12 45.40	+ 5 52.9	1.837	2.795	6.7	20.9
3 22	12 36.07	+ 6 49.0	1.817	2.803	3.8	20.7
4 1	12 26.17	+ 7 37.9	1.826	2.810	4.5	20.7
4 11	12 16.75	+ 8 13.8	1.864	2.816	7.9	21.0
4 21	12 8.69	+ 8 33.1	1.928	2.821	11.3	21.2
5 1	12 2.63	+ 8 34.7	2.015	2.825	14.4	21.4

443666 2015 FV_{337} 3 28.6 290°.57 4°.2/23.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 50.08	+ 7 15.2	2.291	3.125	11.4	20.7
3 2	12 46.43	+ 8 17.3	2.203	3.111	8.7	20.5
3 12	12 41.02	+ 9 23.6	2.141	3.098	5.9	20.3
3 22	12 34.33	+10 27.9	2.106	3.084	4.2	20.1
4 1	12 27.06	+11 23.9	2.099	3.071	5.3	20.2
4 11	12 20.02	+12 6.2	2.120	3.058	8.0	20.3
4 21	12 13.93	+12 31.3	2.167	3.044	10.9	20.5
5 1	12 9.39	+12 37.7	2.235	3.031	13.6	20.6

188104 2001 YA_{106} 3 28.6 152°.03 0°.7/27.7 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 54.22	− 3 45.2	2.514	3.312	11.6	21.8
3 2	12 49.26	− 3 3.5	2.434	3.323	8.8	21.6
3 12	12 42.66	− 2 12.1	2.378	3.333	5.6	21.4
3 22	12 34.93	− 1 14.8	2.352	3.342	2.2	21.2
4 1	12 26.78	− 0 16.2	2.355	3.351	1.7	21.2
4 11	12 18.95	+ 0 38.2	2.389	3.359	5.1	21.4
4 21	12 12.09	+ 1 24.4	2.452	3.366	8.3	21.7
5 1	12 6.74	+ 1 59.0	2.539	3.373	11.1	21.9

429219 2009 XU_{18} 3 28.6 182°.52 3°.3/24.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 52.75	+ 4 23.8	2.295	3.120	11.7	21.6
3 2	12 48.35	+ 5 23.5	2.216	3.120	8.8	21.4
3 12	12 42.19	+ 6 28.6	2.162	3.120	5.8	21.2
3 22	12 34.78	+ 7 33.7	2.136	3.120	3.5	21.1
4 1	12 26.86	+ 8 32.3	2.139	3.119	4.3	21.1
4 11	12 19.24	+ 9 19.2	2.171	3.118	7.2	21.3
4 21	12 12.65	+ 9 50.7	2.230	3.117	10.3	21.5
5 1	12 7.65	+10 5.1	2.311	3.115	13.0	21.6

465381 2008 EW_{153} 3 28.6 215°.14 1°.9/26.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 59.32	+ 1 32.8	2.115	2.926	13.1	21.7
3 2	12 53.60	+ 1 46.3	2.023	2.919	10.0	21.5
3 12	12 45.71	+ 2 5.8	1.955	2.912	6.4	21.3
3 22	12 36.25	+ 2 27.4	1.915	2.905	2.8	21.0
4 1	12 26.07	+ 2 46.6	1.904	2.897	2.9	21.0
4 11	12 16.16	+ 2 59.0	1.923	2.888	6.6	21.2
4 21	12 7.45	+ 3 1.2	1.969	2.879	10.3	21.4
5 1	12 0.64	+ 2 51.2	2.039	2.869	13.6	21.6

22494 Trillium 3 28.6 264°.28 1°.9/26.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 53.27	− 1 34.7	1.706	2.533	15.0	19.3
3 2	12 49.47	− 0 49.4	1.620	2.525	11.4	19.1
3 12	12 43.29	+ 0 8.9	1.556	2.517	7.3	18.8
3 22	12 35.33	+ 1 14.7	1.517	2.508	3.0	18.5
4 1	12 26.56	+ 2 20.6	1.506	2.500	3.1	18.5
4 11	12 18.09	+ 3 18.4	1.522	2.491	7.5	18.7
4 21	12 10.96	+ 4 2.0	1.563	2.482	11.9	19.0
5 1	12 5.94	+ 4 27.2	1.627	2.473	15.6	19.2

147123 2002 TR_{126} 3 28.6 132°.02 3°.2/25.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 56.87	+ 3 17.9	1.852	2.678	14.0	19.9
3 2	12 51.81	+ 4 1.5	1.782	2.687	10.6	19.7
3 12	12 44.55	+ 4 51.5	1.736	2.696	6.8	19.5
3 22	12 35.75	+ 5 41.7	1.717	2.704	3.6	19.3
4 1	12 26.38	+ 6 25.6	1.726	2.712	4.3	19.3
4 11	12 17.50	+ 6 57.3	1.763	2.720	7.8	19.6
4 21	12 9.99	+ 7 13.3	1.826	2.727	11.4	19.8
5 1	12 4.53	+ 7 12.0	1.911	2.734	14.6	20.0

129968 Mitchwhiteley 3 28.6 102°.20 2°.6/25.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 56.12	+ 3 6.8	2.149	2.968	12.6	20.2
3 2	12 50.86	+ 3 41.5	2.086	2.987	9.5	20.0
3 12	12 43.73	+ 4 21.0	2.047	3.005	6.1	19.8
3 22	12 35.37	+ 5 0.6	2.035	3.023	3.1	19.7
4 1	12 26.60	+ 5 35.1	2.053	3.040	3.5	19.7
4 11	12 18.30	+ 5 59.8	2.099	3.057	6.7	19.9
4 21	12 11.21	+ 6 11.8	2.173	3.074	9.9	20.2
5 1	12 5.90	+ 6 10.0	2.269	3.090	12.7	20.4

316800 1999 UM_{27} 3 28.6 201°.10 0°.1/28.7 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 57.53	− 5 11.6	1.921	2.723	14.5	21.8
3 2	12 52.46	− 4 58.6	1.831	2.720	11.3	21.6
3 12	12 45.09	− 4 33.2	1.764	2.717	7.4	21.3
3 22	12 36.04	− 3 58.2	1.723	2.712	3.0	21.1
4 1	12 26.20	− 3 18.4	1.710	2.708	1.5	20.9
4 11	12 16.68	− 2 39.7	1.726	2.703	6.0	21.2
4 21	12 8.42	− 2 7.3	1.770	2.697	10.2	21.4
5 1	12 2.20	− 1 45.7	1.837	2.690	13.8	21.7

28283 1999 CR_{35} 3 28.6 25°.74 4°.9/23.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 53.71	+ 9 26.3	2.019	2.855	12.7	17.7
3 2	12 49.29	+10 14.8	1.949	2.856	9.7	17.5
3 12	12 42.88	+11 4.2	1.904	2.858	6.8	17.3
3 22	12 35.08	+11 48.2	1.884	2.860	5.0	17.2
4 1	12 26.74	+12 20.6	1.893	2.862	6.0	17.2
4 11	12 18.81	+12 36.6	1.928	2.865	8.7	17.4
4 21	12 12.09	+12 34.3	1.989	2.867	11.7	17.6
5 1	12 7.20	+12 13.4	2.071	2.870	14.5	17.8

216249 2006 VV_{99} 3 28.6 275°.43 2°.6/31.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 49.62	−14 25.7	2.419	3.185	12.9	20.6
3 2	12 46.03	−14 11.5	2.321	3.181	10.4	20.4
3 12	12 40.74	−13 40.9	2.246	3.177	7.5	20.2
3 22	12 34.23	−12 55.4	2.197	3.172	4.4	20.0
4 1	12 27.16	−11 58.0	2.176	3.168	2.6	19.9
4 11	12 20.31	−10 53.9	2.184	3.163	4.6	20.0
4 21	12 14.38	− 9 48.7	2.219	3.159	7.7	20.2
5 1	12 9.94	− 8 48.3	2.281	3.155	10.7	20.4

348961 2006 UO_{37} 3 28.6 54°.90 2°.5/31.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 49.63	−14 11.3	2.318	3.088	13.3	20.9
3 2	12 46.06	−13 53.6	2.229	3.092	10.7	20.8
3 12	12 40.75	−13 19.0	2.162	3.095	7.6	20.6
3 22	12 34.23	−12 29.3	2.121	3.098	4.4	20.4
4 1	12 27.18	−11 28.1	2.108	3.101	2.5	20.3
4 11	12 20.40	−10 20.8	2.124	3.104	4.6	20.4
4 21	12 14.61	− 9 13.5	2.168	3.108	7.9	20.6
5 1	12 10.37	− 8 11.9	2.237	3.111	10.9	20.8

338984 2004 FF_{128} 3 28.6 40°.70 2°.3/26.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 52.39	+ 1 30.2	1.944	2.773	13.4	20.0
3 2	12 48.30	+ 2 3.8	1.876	2.782	10.1	19.8
3 12	12 42.24	+ 2 44.3	1.830	2.791	6.4	19.6
3 22	12 34.82	+ 3 26.9	1.811	2.801	3.0	19.4
4 1	12 26.88	+ 4 5.7	1.821	2.811	3.3	19.5
4 11	12 19.38	+ 4 35.4	1.857	2.821	6.8	19.7
4 21	12 13.10	+ 4 52.4	1.920	2.832	10.4	19.9
5 1	12 8.63	+ 4 54.5	2.005	2.843	13.5	20.2

10803 Caléyo 3 28.6 213°.36 2°.3/26.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 53.45	+ 0 25.3	1.882	2.707	13.8	18.7
3 2	12 49.31	+ 1 9.7	1.801	2.706	10.5	18.5
3 12	12 43.01	+ 2 3.6	1.743	2.704	6.7	18.3
3 22	12 35.18	+ 3 1.6	1.712	2.702	3.0	18.0
4 1	12 26.68	+ 3 57.0	1.710	2.700	3.4	18.1
4 11	12 18.53	+ 4 43.0	1.734	2.698	7.2	18.3
4 21	12 11.63	+ 5 15.0	1.785	2.696	11.1	18.5
5 1	12 6.65	+ 5 30.0	1.858	2.694	14.4	18.7

2020	α_{2000}	δ_{2000}	Δ	r	β	V
224439 2005 UK_{478}			3 28.6 170°.28		0°.5/27.9 16	
	h m	° ′			°	m
2 21	12 52.33	− 5 58.1	2.282	3.082	12.6	21.5
3 2	12 48.06	− 4 59.8	2.196	3.085	9.6	21.3
3 12	12 42.02	− 3 48.0	2.134	3.089	6.2	21.1
3 22	12 34.73	− 2 27.1	2.101	3.091	2.4	20.8
4 1	12 26.93	− 1 3.0	2.097	3.093	1.7	20.8
4 11	12 19.42	+ 0 17.5	2.123	3.095	5.5	21.0
4 21	12 12.94	+ 1 28.3	2.177	3.096	9.0	21.2
5 1	12 8.06	+ 2 25.0	2.256	3.096	12.1	21.4
186567 2002 YG_{25}			3 28.6	8°.46	5°.0/24.6 18	
2 21	12 51.60	+ 5 9.7	1.332	2.188	16.7	19.1
3 2	12 48.60	+ 6 7.6	1.269	2.189	12.7	18.9
3 12	12 42.87	+ 7 12.7	1.227	2.191	8.4	18.6
3 22	12 35.18	+ 8 16.1	1.208	2.194	5.2	18.4
4 1	12 26.71	+ 9 7.8	1.215	2.197	6.4	18.5
4 11	12 18.81	+ 9 39.8	1.246	2.202	10.4	18.8
4 21	12 12.61	+ 9 47.9	1.299	2.207	14.6	19.0
5 1	12 8.89	+ 9 31.6	1.371	2.214	18.2	19.3
383358 2006 SW_{10}			3 28.6	320°.11	8°.1/ 5.1 17	
2 21	12 53.98	−25 30.6	2.053	2.760	16.7	21.0
3 2	12 50.02	−26 30.3	1.953	2.752	14.5	20.8
3 12	12 43.71	−27 9.0	1.872	2.743	12.1	20.6
3 22	12 35.57	−27 23.1	1.813	2.735	9.8	20.4
4 1	12 26.45	−27 11.4	1.779	2.727	8.2	20.3
4 11	12 17.46	−26 36.3	1.770	2.719	8.4	20.3
4 21	12 9.65	−25 43.5	1.786	2.712	10.2	20.4
5 1	12 3.88	−24 40.8	1.826	2.705	12.8	20.5
500605 2012 UP_{123}			3 28.6	105°.64	3°.0/ 1.3 17	
2 21	12 50.84	−15 49.6	2.423	3.179	13.2	21.4
3 2	12 46.90	−15 40.1	2.335	3.187	10.7	21.2
3 12	12 41.25	−15 13.9	2.271	3.195	7.8	21.1
3 22	12 34.42	−14 32.2	2.232	3.202	4.8	20.9
4 1	12 27.10	−13 38.0	2.221	3.210	3.0	20.8
4 11	12 20.07	−12 36.4	2.239	3.217	4.6	20.9
4 21	12 14.02	−11 32.9	2.285	3.225	7.5	21.1
5 1	12 9.49	−10 33.3	2.357	3.232	10.4	21.3
52291 Mott			3 28.6	156°.54	1°.6/30.7 18	
2 21	12 51.42	−11 27.8	2.749	3.518	11.5	20.1
3 2	12 47.11	−11 11.4	2.658	3.523	9.1	20.0
3 12	12 41.29	−10 42.3	2.592	3.529	6.3	19.8
3 22	12 34.43	−10 2.4	2.552	3.534	3.3	19.6
4 1	12 27.13	− 9 14.6	2.543	3.538	1.7	19.5
4 11	12 20.07	− 8 23.5	2.563	3.542	4.1	19.7
4 21	12 13.86	− 7 33.3	2.612	3.546	7.0	19.9
5 1	12 8.99	− 6 48.4	2.688	3.550	9.7	20.0
466938 2016 AZ_{113}			3 28.6	46°.63	0°.6/29.0 18	
2 21	12 55.56	− 6 28.4	1.287	2.114	18.9	21.6
3 2	12 51.62	− 6 19.9	1.228	2.130	14.6	21.4
3 12	12 44.79	− 5 53.4	1.189	2.146	9.6	21.2
3 22	12 35.94	− 5 13.0	1.173	2.163	4.1	20.9
4 1	12 26.37	− 4 25.6	1.183	2.181	1.8	20.8
4 11	12 17.52	− 3 39.7	1.217	2.198	7.2	21.2
4 21	12 10.57	− 3 2.8	1.276	2.217	12.1	21.5
5 1	12 6.28	− 2 40.3	1.356	2.235	16.2	21.8
388003 2005 QL_{139}			3 28.6	24°.10	0°.8/29.3 17	
2 21	12 54.67	− 5 50.7	2.195	2.992	13.1	20.6
3 2	12 49.95	− 6 1.2	2.110	2.995	10.2	20.4
3 12	12 43.30	− 6 1.8	2.048	2.998	6.7	20.1
3 22	12 35.28	− 5 54.3	2.014	3.002	3.0	19.9
4 1	12 26.68	− 5 41.7	2.007	3.005	1.3	19.8
4 11	12 18.38	− 5 27.8	2.030	3.009	5.0	20.1
4 21	12 11.17	− 5 16.5	2.081	3.013	8.6	20.3
5 1	12 5.69	− 5 11.0	2.156	3.017	11.8	20.5
33610 Payra			3 28.6	16°.42	7°.3/24.2 18	
2 21	12 54.97	+ 9 36.6	1.044	1.913	19.2	17.8
3 2	12 51.75	+10 24.2	0.993	1.918	14.8	17.5
3 12	12 45.14	+11 12.5	0.961	1.924	10.4	17.3
3 22	12 36.14	+11 50.5	0.951	1.932	7.5	17.2
4 1	12 26.28	+12 7.7	0.963	1.941	8.7	17.3
4 11	12 17.32	+11 57.6	0.998	1.951	12.7	17.5
4 21	12 10.59	+11 19.6	1.052	1.963	17.0	17.8
5 1	12 6.93	+10 16.6	1.124	1.975	20.9	18.1
505503 2013 WC_{85}			3 28.6	229°.23	6°.2/20.6 17	
2 21	12 55.38	+15 32.5	2.515	3.338	10.8	22.5
3 2	12 50.36	+16 46.5	2.431	3.324	8.7	22.3
3 12	12 43.52	+17 58.7	2.373	3.309	6.8	22.2
3 22	12 35.37	+19 2.4	2.343	3.293	6.2	22.1
4 1	12 26.63	+19 51.4	2.342	3.276	7.3	22.2
4 11	12 18.12	+20 21.1	2.368	3.259	9.5	22.3
4 21	12 10.58	+20 29.6	2.419	3.241	11.8	22.4
5 1	12 4.63	+20 17.1	2.491	3.223	14.0	22.5

2020	α_{2000}	δ_{2000}	Δ	r	β	V
386221 2007 XQ_{19}			3 28.6	81°.18	2°.5/26.0 18	
	h m	° ′			°	m
2 21	12 54.25	+ 3 20.6	2.208	3.029	12.2	20.8
3 2	12 49.48	+ 3 48.6	2.137	3.040	9.2	20.6
3 12	12 42.90	+ 4 21.3	2.092	3.050	5.9	20.4
3 22	12 35.09	+ 4 54.0	2.073	3.061	3.0	20.2
4 1	12 26.82	+ 5 22.0	2.084	3.071	3.4	20.3
4 11	12 18.95	+ 5 41.0	2.123	3.082	6.5	20.5
4 21	12 12.21	+ 5 48.2	2.188	3.092	9.7	20.7
5 1	12 7.15	+ 5 42.1	2.278	3.102	12.5	20.9
13154 Petermrva			3 28.6	149°.21	2°.2/30.4 18	
2 21	12 59.58	−10 41.1	1.729	2.515	16.6	18.3
3 2	12 54.21	−10 40.2	1.649	2.524	13.1	18.1
3 12	12 46.30	−10 21.6	1.590	2.532	9.0	17.8
3 22	12 36.55	− 9 47.0	1.557	2.540	4.7	17.6
4 1	12 26.04	− 9 0.4	1.552	2.548	2.3	17.4
4 11	12 15.98	− 8 8.7	1.574	2.554	6.0	17.7
4 21	12 7.45	− 7 18.9	1.624	2.560	10.3	18.0
5 1	12 1.23	− 6 37.4	1.697	2.565	14.1	18.2
244005 2001 SH_{59}			3 28.6	210°.83	2°.0/26.9 17	
2 21	12 58.63	− 0 13.8	1.813	2.629	14.7	21.1
3 2	12 53.45	+ 0 20.5	1.723	2.623	11.2	20.9
3 12	12 45.83	+ 1 5.1	1.658	2.616	7.2	20.6
3 22	12 36.39	+ 1 54.9	1.618	2.608	3.1	20.3
4 1	12 26.10	+ 2 43.5	1.607	2.600	3.2	20.3
4 11	12 16.13	+ 3 24.1	1.625	2.591	7.4	20.6
4 21	12 7.52	+ 3 51.4	1.668	2.581	11.6	20.8
5 1	12 1.07	+ 4 2.4	1.734	2.571	15.3	21.0
244044 2001 SV_{344}			3 28.6	156°.25	5°.9/19.8 17	
2 21	12 53.08	+18 9.0	2.907	3.727	9.6	21.2
3 2	12 48.24	+19 17.6	2.848	3.735	7.8	21.1
3 12	12 41.94	+20 21.6	2.816	3.742	6.3	21.0
3 22	12 34.67	+21 15.6	2.811	3.749	6.0	21.0
4 1	12 27.06	+21 55.0	2.835	3.755	6.9	21.0
4 11	12 19.75	+22 16.7	2.886	3.760	8.5	21.2
4 21	12 13.34	+22 19.9	2.962	3.765	10.4	21.3
5 1	12 8.29	+22 5.2	3.059	3.770	12.1	21.4
419895 2011 AV_{60}			3 28.6	103°.16	1°.4/27.2 18	
2 21	12 55.01	− 1 58.3	1.893	2.710	14.1	21.9
3 2	12 50.33	− 1 18.2	1.826	2.725	10.7	21.7
3 12	12 43.57	− 0 27.5	1.781	2.740	6.8	21.5
3 22	12 35.39	+ 0 28.6	1.764	2.755	2.7	21.2
4 1	12 26.70	+ 1 24.0	1.775	2.769	2.5	21.2
4 11	12 18.49	+ 2 12.1	1.814	2.783	6.5	21.5
4 21	12 11.60	+ 2 48.1	1.880	2.797	10.3	21.8
5 1	12 6.64	+ 3 9.2	1.969	2.811	13.5	22.0
161660 2006 CW_{34}			3 28.6	274°.46	3°.3/25.6 18	
2 21	12 52.66	− 0 18.0	1.497	2.335	16.1	20.3
3 2	12 49.44	+ 0 55.5	1.406	2.319	12.3	20.0
3 12	12 43.55	+ 2 25.6	1.338	2.302	7.9	19.7
3 22	12 35.57	+ 4 4.7	1.295	2.284	3.8	19.4
4 1	12 26.53	+ 5 42.2	1.278	2.267	4.8	19.4
4 11	12 17.74	+ 7 6.8	1.287	2.249	9.5	19.6
4 21	12 10.39	+ 8 10.0	1.320	2.232	14.2	19.9
5 1	12 5.43	+ 8 47.1	1.374	2.214	18.4	20.1
217556 2007 HB_{63}			3 28.6	295°.68	3°.1/26.5 17	
2 21	12 55.95	+ 1 12.7	1.321	2.164	17.6	20.6
3 2	12 52.34	+ 1 44.3	1.235	2.149	13.5	20.3
3 12	12 45.63	+ 2 27.7	1.169	2.133	8.8	20.0
3 22	12 36.47	+ 3 16.6	1.127	2.117	4.0	19.7
4 1	12 26.06	+ 4 2.2	1.110	2.102	4.5	19.6
4 11	12 15.94	+ 4 35.5	1.118	2.087	9.6	19.9
4 21	12 7.54	+ 4 50.2	1.148	2.072	14.7	20.1
5 1	12 1.91	+ 4 43.0	1.199	2.058	19.3	20.3
495968 2007 RP_{234}			3 28.6	225°.63	0°.6/29.1 17	
2 21	12 55.56	− 7 23.2	1.681	2.488	16.1	22.4
3 2	12 51.32	− 7 2.0	1.591	2.482	12.6	22.1
3 12	12 44.57	− 6 23.7	1.523	2.476	8.3	21.9
3 22	12 35.93	− 5 31.6	1.480	2.469	3.6	21.6
4 1	12 26.38	− 4 31.2	1.465	2.462	1.6	21.4
4 11	12 17.14	− 3 30.4	1.476	2.455	6.5	21.7
4 21	12 9.30	− 2 36.5	1.514	2.448	11.1	21.9
5 1	12 3.70	− 1 55.6	1.574	2.440	15.1	22.2
303789 2005 RA_{44}			3 28.6	244°.68	4°.6/ 3.8 18	
2 21	12 51.09	−22 20.2	2.860	3.568	12.4	21.4
3 2	12 47.05	−22 25.2	2.745	3.554	10.5	21.2
3 12	12 41.40	−22 12.9	2.651	3.539	8.3	21.0
3 22	12 34.55	−21 42.8	2.582	3.524	6.1	20.9
4 1	12 27.10	−20 56.2	2.540	3.509	4.7	20.8
4 11	12 19.78	−19 56.4	2.528	3.493	5.2	20.8
4 21	12 13.24	−18 48.2	2.544	3.477	7.2	20.9
5 1	12 8.07	−17 37.4	2.586	3.461	9.6	21.0

2020	α_{2000}	δ_{2000}	Δ	r	β	V
72514 2001 DC_{79}			3 28.6 279°.02	6°.8/21.0 18		
	h m	° ′			°	m
2 21	12 52.72	+13 43.4	1.974	2.814	12.7	18.6
3 2	12 48.71	+15 3.4	1.903	2.808	10.0	18.4
3 12	12 42.62	+16 22.5	1.857	2.802	7.7	18.2
3 22	12 35.06	+17 32.3	1.837	2.796	6.8	18.2
4 1	12 26.86	+18 25.1	1.844	2.790	8.1	18.2
4 11	12 19.03	+18 55.4	1.876	2.784	10.7	18.4
4 21	12 12.41	+19 1.0	1.932	2.778	13.5	18.5
5 1	12 7.67	+18 42.7	2.007	2.772	16.0	18.7
419961 2011 BL_{102}			3 28.6 96°.33	2°.3/26.3 18		
2 21	12 54.15	− 0 12.3	1.848	2.672	14.1	21.7
3 2	12 49.71	+ 0 42.5	1.784	2.688	10.6	21.5
3 12	12 43.18	+ 1 46.9	1.743	2.704	6.7	21.3
3 22	12 35.24	+ 2 54.9	1.729	2.719	3.0	21.1
4 1	12 26.79	+ 3 59.3	1.743	2.734	3.4	21.1
4 11	12 18.85	+ 4 53.2	1.786	2.749	7.1	21.4
4 21	12 12.24	+ 5 32.1	1.854	2.764	10.8	21.6
5 1	12 7.57	+ 5 53.3	1.945	2.778	14.0	21.9
219691 2001 WG_{61}			3 28.6 167°.95	0°.7/27.9 17		
2 21	12 55.15	− 3 27.8	2.141	2.947	13.1	21.7
3 2	12 50.34	− 2 59.5	2.058	2.950	10.0	21.5
3 12	12 43.57	− 2 20.6	1.998	2.953	6.4	21.2
3 22	12 35.42	− 1 34.9	1.965	2.956	2.5	21.0
4 1	12 26.68	− 0 47.3	1.962	2.958	1.8	20.9
4 11	12 18.28	− 0 3.4	1.988	2.960	5.7	21.2
4 21	12 11.02	+ 0 32.0	2.041	2.961	9.4	21.4
5 1	12 5.51	+ 0 55.4	2.118	2.962	12.6	21.6
364353 2006 UW_{221}			3 28.6 200°.49	2°.4/25.9 16		
2 21	12 55.50	+ 1 7.1	2.217	3.032	12.4	22.6
3 2	12 50.59	+ 1 58.8	2.128	3.028	9.4	22.4
3 12	12 43.75	+ 2 59.0	2.064	3.023	6.0	22.1
3 22	12 35.50	+ 4 2.3	2.028	3.017	2.9	21.9
4 1	12 26.63	+ 5 2.7	2.022	3.010	3.4	22.0
4 11	12 18.03	+ 5 54.2	2.045	3.003	6.8	22.1
4 21	12 10.51	+ 6 32.4	2.095	2.995	10.2	22.3
5 1	12 4.70	+ 6 54.4	2.168	2.986	13.3	22.5
120833 1998 HF_{146}			3 28.6 272°.37	1°.6/26.9 18		
2 21	12 51.48	− 2 12.2	1.968	2.789	13.5	20.0
3 2	12 47.86	− 1 22.8	1.873	2.775	10.3	19.7
3 12	12 42.16	− 0 20.8	1.801	2.761	6.6	19.5
3 22	12 34.92	+ 0 49.0	1.756	2.747	2.7	19.2
4 1	12 26.92	+ 1 59.8	1.739	2.732	2.8	19.2
4 11	12 19.15	+ 3 4.4	1.750	2.718	6.8	19.4
4 21	12 12.47	+ 3 56.6	1.787	2.703	10.8	19.6
5 1	12 7.61	+ 4 32.2	1.847	2.689	14.3	19.8
389197 2009 CM_{49}			3 28.6 20°.48	3°.6/24.6 17		
2 21	12 50.35	+ 4 21.9	2.045	2.880	12.5	20.9
3 2	12 46.75	+ 5 21.8	1.972	2.882	9.5	20.7
3 12	12 41.27	+ 6 27.5	1.923	2.884	6.2	20.5
3 22	12 34.49	+ 7 32.9	1.902	2.887	3.7	20.3
4 1	12 27.18	+ 8 31.1	1.908	2.889	4.7	20.4
4 11	12 20.22	+ 9 16.3	1.942	2.892	7.7	20.6
4 21	12 14.37	+ 9 44.7	2.002	2.895	10.9	20.8
5 1	12 10.22	+ 9 54.6	2.083	2.899	13.8	21.0
284360 2006 SV_{120}			3 28.6 179°.45	2°.7/24.7 18		
2 21	12 50.88	+ 4 40.5	2.988	3.805	9.5	21.8
3 2	12 46.56	+ 5 33.5	2.906	3.806	7.1	21.6
3 12	12 40.89	+ 6 30.2	2.850	3.807	4.7	21.5
3 22	12 34.28	+ 7 26.6	2.824	3.807	2.8	21.4
4 1	12 27.30	+ 8 18.1	2.828	3.807	3.5	21.4
4 11	12 20.54	+ 9 0.8	2.862	3.807	5.8	21.5
4 21	12 14.54	+ 9 31.7	2.923	3.806	8.3	21.7
5 1	12 9.75	+ 9 49.4	3.009	3.804	10.5	21.9
34302 Riagalanos			3 28.6 107°.23	3°.5/31.5 18		
2 21	12 56.56	−13 40.8	1.580	2.366	17.9	18.9
3 2	12 52.14	−13 45.1	1.504	2.375	14.3	18.7
3 12	12 45.08	−13 27.7	1.448	2.385	10.2	18.4
3 22	12 36.12	−12 49.8	1.416	2.394	5.9	18.2
4 1	12 26.35	−11 55.3	1.410	2.403	3.5	18.1
4 11	12 17.07	−10 51.8	1.431	2.412	6.3	18.3
4 21	12 9.40	− 9 48.0	1.477	2.420	10.6	18.5
5 1	12 4.13	− 8 51.6	1.547	2.429	14.5	18.8
152738 1998 WM_{31}			3 28.6 242°.51	0°.6/29.1 18		
2 21	12 56.58	− 7 20.3	1.704	2.509	16.0	20.5
3 2	12 52.21	− 6 57.4	1.605	2.494	12.5	20.3
3 12	12 45.25	− 6 17.1	1.527	2.479	8.4	20.0
3 22	12 36.26	− 5 22.3	1.475	2.464	3.6	19.6
4 1	12 26.23	− 4 18.5	1.450	2.448	1.6	19.5
4 11	12 16.39	− 3 13.5	1.452	2.431	6.6	19.7
4 21	12 7.89	− 2 15.4	1.481	2.413	11.4	20.0
5 1	12 1.65	− 1 30.5	1.533	2.395	15.6	20.2

2020	α_{2000}	δ_{2000}	Δ	r	β	V
54529 2000 QW_{20}			3 28.6 288°.06	2°.5/31.1 18		
	h m	° ′			°	m
2 21	12 53.21	−11 46.1	2.262	3.038	13.4	19.6
3 2	12 48.97	−11 58.5	2.161	3.028	10.8	19.4
3 12	12 42.79	−11 57.2	2.083	3.019	7.6	19.1
3 22	12 35.16	−11 42.8	2.031	3.009	4.4	18.9
4 1	12 26.83	−11 17.6	2.007	3.000	2.6	18.8
4 11	12 18.68	−10 45.6	2.011	2.991	5.0	18.9
4 21	12 11.52	−10 11.7	2.043	2.981	8.4	19.1
5 1	12 6.02	− 9 40.9	2.100	2.972	11.6	19.3
32382 2000 QE_{187}			3 28.6 152°.84	0°.2/28.4 18		
2 21	12 54.01	− 3 35.8	2.712	3.507	10.9	19.6
3 2	12 49.05	− 3 25.2	2.627	3.513	8.4	19.4
3 12	12 42.55	− 3 6.9	2.566	3.518	5.4	19.2
3 22	12 34.98	− 2 43.5	2.533	3.523	2.1	19.0
4 1	12 26.97	− 2 18.0	2.531	3.528	1.2	18.9
4 11	12 19.23	− 1 54.2	2.559	3.533	4.5	19.2
4 21	12 12.37	− 1 35.3	2.616	3.537	7.6	19.4
5 1	12 6.90	− 1 23.8	2.698	3.541	10.2	19.6
27209 1999 CN_{105}			3 28.6 15°.64	2°.8/25.3 18		
2 21	12 49.35	+ 0 55.7	2.004	2.835	12.9	18.4
3 2	12 46.06	+ 2 7.6	1.927	2.836	9.7	18.2
3 12	12 40.88	+ 3 29.2	1.875	2.837	6.2	18.0
3 22	12 34.36	+ 4 54.1	1.850	2.838	3.2	17.8
4 1	12 27.30	+ 6 14.7	1.853	2.840	4.0	17.9
4 11	12 20.56	+ 7 23.9	1.885	2.841	7.4	18.1
4 21	12 14.93	+ 8 16.3	1.942	2.843	10.8	18.3
5 1	12 10.99	+ 8 49.3	2.021	2.845	13.9	18.5
247763 2003 QX_{17}			3 28.6 230°.00	2°.3/31.4 18		
2 21	12 53.10	−12 25.0	3.006	3.762	10.9	20.5
3 2	12 48.38	−12 38.0	2.900	3.755	8.7	20.4
3 12	12 42.16	−12 40.3	2.818	3.747	6.2	20.2
3 22	12 34.85	−12 32.4	2.764	3.739	3.7	20.0
4 1	12 27.03	−12 15.9	2.740	3.731	2.3	19.9
4 11	12 19.34	−11 53.7	2.746	3.722	4.0	20.0
4 21	12 12.40	−11 29.0	2.780	3.714	6.6	20.2
5 1	12 6.71	−11 5.6	2.842	3.705	9.2	20.3
271345 2003 WL_{134}			3 28.6 199°.55	5°.9/21.5 18		
2 21	12 55.49	+15 10.3	2.499	3.322	10.9	20.8
3 2	12 50.36	+16 8.3	2.425	3.319	8.7	20.6
3 12	12 43.47	+17 3.4	2.377	3.315	6.7	20.5
3 22	12 35.37	+17 49.7	2.357	3.311	5.9	20.4
4 1	12 26.79	+18 21.8	2.365	3.307	6.8	20.5
4 11	12 18.52	+18 35.8	2.401	3.302	8.9	20.6
4 21	12 11.28	+18 30.6	2.461	3.297	11.3	20.7
5 1	12 5.64	+18 6.7	2.544	3.291	13.4	20.9
151637 2002 XN_{28}			3 28.6 161°.00	1°.6/30.2 18		
2 21	12 54.68	−10 19.2	1.976	2.763	14.7	20.8
3 2	12 50.21	−10 2.5	1.890	2.768	11.6	20.6
3 12	12 43.62	− 9 29.3	1.827	2.771	7.9	20.4
3 22	12 35.49	− 8 42.0	1.790	2.774	3.9	20.1
4 1	12 26.71	− 7 45.0	1.780	2.777	1.8	20.0
4 11	12 18.27	− 6 44.8	1.800	2.780	5.4	20.2
4 21	12 11.06	− 5 47.8	1.846	2.782	9.3	20.5
5 1	12 5.75	− 4 59.8	1.917	2.784	12.8	20.7
328556 2009 RF_{72}			3 28.6 283°.78	1°.7/27.2 17		
2 21	12 55.92	− 0 23.9	1.755	2.578	14.8	21.9
3 2	12 51.61	− 0 4.9	1.657	2.559	11.4	21.6
3 12	12 44.81	+ 0 23.9	1.581	2.541	7.4	21.4
3 22	12 36.08	+ 0 58.3	1.531	2.522	3.1	21.0
4 1	12 26.37	+ 1 32.6	1.509	2.503	2.9	21.0
4 11	12 16.83	+ 2 0.4	1.514	2.484	7.4	21.2
4 21	12 8.58	+ 2 16.6	1.544	2.466	11.8	21.4
5 1	12 2.49	+ 2 17.8	1.597	2.447	15.7	21.6
506638 2006 RV_{25}			3 28.6 138°.47	2°.9/ 1.2 17		
2 21	12 53.24	−15 15.7	2.748	3.495	12.0	22.4
3 2	12 48.53	−15 19.6	2.659	3.505	9.7	22.3
3 12	12 42.25	−15 9.5	2.594	3.514	7.1	22.1
3 22	12 34.88	−14 46.4	2.555	3.524	4.4	22.0
4 1	12 27.05	−14 12.2	2.545	3.532	2.9	21.9
4 11	12 19.47	−13 30.9	2.565	3.541	4.3	22.0
4 21	12 12.79	−12 46.7	2.613	3.549	6.9	22.2
5 1	12 7.50	−12 4.2	2.688	3.557	9.5	22.3
339018 2004 GO_{83}			3 28.6 46°.79	3°.3/25.4 17		
2 21	12 54.18	+ 5 12.9	2.084	2.912	12.6	20.7
3 2	12 49.59	+ 5 43.4	2.012	2.918	9.5	20.5
3 12	12 43.08	+ 6 17.4	1.965	2.923	6.2	20.3
3 22	12 35.23	+ 6 50.0	1.944	2.929	3.5	20.1
4 1	12 26.88	+ 7 15.8	1.952	2.936	4.2	20.2
4 11	12 18.93	+ 7 30.4	1.987	2.942	7.2	20.4
4 21	12 12.16	+ 7 31.3	2.049	2.948	10.5	20.6
5 1	12 7.15	+ 7 17.4	2.133	2.955	13.3	20.8

480453 2015 KT_{159} 3 28.6 283°.30 1°.5/26.7 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 48.92	− 2 45.6	2.416	3.229	11.6	21.5
3 2	12 45.58	− 1 42.3	2.307	3.206	8.8	21.2
3 12	12 40.56	− 0 26.7	2.224	3.183	5.6	21.0
3 22	12 34.27	+ 0 56.8	2.169	3.160	2.3	20.7
4 1	12 27.35	+ 2 22.1	2.143	3.136	2.5	20.7
4 11	12 20.55	+ 3 42.7	2.147	3.112	6.0	20.9
4 21	12 14.58	+ 4 52.5	2.178	3.088	9.4	21.1
5 1	12 10.04	+ 5 47.4	2.233	3.064	12.5	21.2

368738 2005 UQ_{274} 3 28.6 176°.59 3°.0/ 1.1 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 54.03	−15 43.2	2.388	3.140	13.5	22.5
3 2	12 49.42	−15 28.0	2.292	3.142	10.9	22.3
3 12	12 42.98	−14 55.3	2.220	3.144	7.9	22.1
3 22	12 35.22	−14 6.1	2.173	3.145	4.8	21.9
4 1	12 26.89	−13 3.9	2.156	3.146	3.0	21.8
4 11	12 18.83	−11 53.8	2.168	3.146	4.8	21.9
4 21	12 11.78	−10 42.2	2.208	3.145	7.9	22.1
5 1	12 6.36	− 9 35.1	2.275	3.144	10.9	22.3

351599 2005 VK_{16} 3 28.6 135°.89 2°.9/26.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 59.00	+ 1 6.6	1.649	2.473	15.5	21.8
3 2	12 53.71	+ 1 57.1	1.582	2.486	11.8	21.6
3 12	12 45.94	+ 2 57.0	1.538	2.498	7.5	21.4
3 22	12 36.44	+ 3 59.9	1.520	2.509	3.5	21.1
4 1	12 26.30	+ 4 57.6	1.529	2.519	4.1	21.2
4 11	12 16.73	+ 5 43.0	1.567	2.529	8.1	21.5
4 21	12 8.75	+ 6 11.3	1.630	2.538	12.2	21.7
5 1	12 3.07	+ 6 20.5	1.715	2.546	15.7	22.0

174492 2003 BF_{13} 3 28.6 53°.70 4°.2/ 2.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 51.04	−18 24.7	2.204	2.953	14.5	20.1
3 2	12 47.31	−18 28.8	2.116	2.958	12.0	19.9
3 12	12 41.69	−18 13.5	2.050	2.964	9.1	19.7
3 22	12 34.72	−17 39.4	2.008	2.970	6.1	19.6
4 1	12 27.16	−16 48.8	1.993	2.976	4.3	19.4
4 11	12 19.90	−15 47.0	2.006	2.982	5.4	19.5
4 21	12 13.72	−14 40.2	2.047	2.988	8.2	19.7
5 1	12 9.23	−13 35.1	2.112	2.994	11.1	19.9

218024 2001 YC_{56} 3 28.6 112°.83 3°.8/ 1.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 55.65	−16 18.2	2.075	2.830	15.1	20.2
3 2	12 50.83	−16 22.4	1.996	2.846	12.3	20.0
3 12	12 43.94	−16 7.7	1.939	2.861	9.0	19.8
3 22	12 35.62	−15 35.0	1.907	2.876	5.7	19.7
4 1	12 26.72	−14 47.0	1.903	2.890	3.8	19.6
4 11	12 18.22	−13 49.5	1.927	2.904	5.4	19.7
4 21	12 10.98	−12 48.8	1.979	2.917	8.6	19.9
5 1	12 5.62	−11 51.7	2.055	2.931	11.7	20.1

93992 2000 XO_{17} 3 28.6 120°.77 2°.2/26.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 58.49	+ 2 41.1	2.212	3.024	12.5	20.0
3 2	12 52.69	+ 2 59.5	2.141	3.038	9.5	19.8
3 12	12 44.99	+ 3 22.6	2.094	3.051	6.1	19.6
3 22	12 36.00	+ 3 46.3	2.076	3.064	2.8	19.4
4 1	12 26.54	+ 4 6.1	2.087	3.077	3.1	19.4
4 11	12 17.53	+ 4 18.1	2.128	3.089	6.3	19.7
4 21	12 9.73	+ 4 19.6	2.196	3.101	9.6	19.9
5 1	12 3.71	+ 4 9.3	2.288	3.112	12.5	20.1

495123 2011 WM_{21} 3 28.6 250°.33 4°.8/24.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 58.97	+ 6 30.5	1.785	2.614	14.3	22.5
3 2	12 53.95	+ 7 27.0	1.689	2.594	11.1	22.2
3 12	12 46.34	+ 8 29.8	1.616	2.573	7.5	21.9
3 22	12 36.73	+ 9 31.7	1.570	2.552	4.9	21.7
4 1	12 26.09	+10 24.3	1.552	2.529	6.0	21.7
4 11	12 15.63	+11 0.0	1.561	2.506	9.7	21.9
4 21	12 6.51	+11 14.6	1.595	2.482	13.6	22.1
5 1	11 59.60	+11 6.4	1.650	2.457	17.2	22.2

55436 2001 TL_{69} 3 28.6 350°.45 0°.7/28.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 53.87	− 3 10.8	1.533	2.361	16.3	19.2
3 2	12 50.17	− 2 56.2	1.453	2.358	12.6	18.9
3 12	12 43.90	− 2 28.4	1.396	2.355	8.1	18.7
3 22	12 35.71	− 1 51.8	1.362	2.353	3.2	18.3
4 1	12 26.66	− 1 12.3	1.355	2.352	2.2	18.3
4 11	12 18.01	− 0 37.1	1.374	2.351	7.1	18.6
4 21	12 10.88	− 0 12.1	1.417	2.350	11.8	18.8
5 1	12 6.06	− 0 1.6	1.482	2.350	15.8	19.1

517623 2014 YR_{10} 3 28.6 62°.14 4°.2/ 1.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 52.91	−16 51.8	1.754	2.524	16.9	20.8
3 2	12 49.11	−16 52.3	1.679	2.537	13.8	20.6
3 12	12 43.00	−16 30.2	1.625	2.550	10.2	20.4
3 22	12 35.28	−15 46.4	1.594	2.564	6.5	20.2
4 1	12 26.91	−14 44.7	1.589	2.578	4.2	20.1
4 11	12 18.99	−13 32.3	1.612	2.591	6.0	20.3
4 21	12 12.48	−12 17.4	1.661	2.605	9.5	20.5
5 1	12 8.07	−11 8.0	1.734	2.619	12.9	20.7

122260 2000 OY_{44} 3 28.6 140°.77 0°.9/27.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 52.97	− 4 3.5	2.540	3.339	11.5	20.3
3 2	12 48.32	− 3 2.4	2.464	3.354	8.7	20.2
3 12	12 42.10	− 1 50.7	2.412	3.368	5.5	20.0
3 22	12 34.83	− 0 33.1	2.390	3.381	2.1	19.8
4 1	12 27.15	+ 0 45.0	2.398	3.393	1.9	19.8
4 11	12 19.81	+ 1 57.8	2.437	3.405	5.2	20.0
4 21	12 13.42	+ 3 0.4	2.505	3.416	8.3	20.2
5 1	12 8.48	+ 3 49.6	2.598	3.426	11.0	20.4

255702 2006 QO_{88} 3 28.6 214°.41 0°.4/28.9 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 56.72	− 6 17.5	2.105	2.900	13.7	22.0
3 2	12 51.75	− 5 59.3	2.007	2.892	10.7	21.8
3 12	12 44.65	− 5 28.3	1.933	2.883	7.0	21.6
3 22	12 35.97	− 4 47.1	1.885	2.874	3.0	21.3
4 1	12 26.53	− 4 0.2	1.867	2.864	1.4	21.1
4 11	12 17.31	− 3 13.2	1.878	2.854	5.6	21.4
4 21	12 9.22	− 2 31.7	1.916	2.843	9.6	21.6
5 1	12 2.97	− 2 0.2	1.979	2.831	13.0	21.8

65268 2002 GP_{23} 3 28.6 338°.76 1°.4/29.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 51.03	− 7 54.5	1.223	2.057	19.3	19.2
3 2	12 48.72	− 7 54.5	1.142	2.047	15.2	18.9
3 12	12 43.37	− 7 33.8	1.080	2.037	10.3	18.6
3 22	12 35.62	− 6 54.8	1.039	2.028	4.8	18.2
4 1	12 26.69	− 6 3.3	1.022	2.020	2.0	18.0
4 11	12 18.11	− 5 8.7	1.030	2.013	7.6	18.3
4 21	12 11.28	− 4 20.4	1.059	2.008	13.1	18.6
5 1	12 7.23	− 3 46.3	1.109	2.003	17.9	18.9

409235 2004 BH_{148} 3 28.6 80°.86 6°.4/ 2.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 58.89	−19 39.4	1.672	2.422	18.4	21.1
3 2	12 53.89	−20 25.0	1.600	2.439	15.4	20.9
3 12	12 46.22	−20 47.4	1.547	2.455	11.9	20.7
3 22	12 36.62	−20 44.9	1.517	2.472	8.5	20.6
4 1	12 26.23	−20 18.5	1.513	2.488	6.5	20.5
4 11	12 16.34	−19 33.5	1.535	2.504	7.4	20.6
4 21	12 8.10	−18 37.8	1.582	2.520	10.4	20.8
5 1	12 2.29	−17 40.4	1.653	2.536	13.6	21.0

331917 2004 RU_{183} 3 28.6 245°.22 1°.6/26.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 51.78	− 5 16.6	2.272	3.075	12.5	21.3
3 2	12 47.87	− 3 30.1	2.164	3.058	9.6	21.0
3 12	12 42.09	− 1 25.3	2.083	3.040	6.1	20.8
3 22	12 34.93	+ 0 51.7	2.031	3.022	2.5	20.5
4 1	12 27.08	+ 3 12.4	2.012	3.004	2.9	20.5
4 11	12 19.38	+ 5 26.8	2.024	2.984	6.7	20.7
4 21	12 12.62	+ 7 26.4	2.064	2.964	10.4	20.9
5 1	12 7.45	+ 9 5.4	2.130	2.944	13.6	21.1

491335 2011 WY_{152} 3 28.6 213°.31 3°.6/25.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 54.98	+ 2 3.7	1.744	2.575	14.6	21.7
3 2	12 50.75	+ 3 16.2	1.661	2.569	11.1	21.4
3 12	12 44.14	+ 4 39.5	1.602	2.563	7.2	21.2
3 22	12 35.79	+ 6 6.3	1.570	2.557	3.9	21.0
4 1	12 26.65	+ 7 27.5	1.565	2.550	4.9	21.0
4 11	12 17.85	+ 8 34.5	1.588	2.542	8.7	21.2
4 21	12 10.39	+ 9 21.6	1.636	2.534	12.7	21.4
5 1	12 5.05	+ 9 45.9	1.705	2.526	16.2	21.6

100306 1995 GH_{2} 3 28.6 46°.70 2°.3/26.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 55.09	+ 0 24.1	1.580	2.413	15.7	19.6
3 2	12 50.88	+ 0 54.1	1.513	2.421	11.9	19.3
3 12	12 44.20	+ 1 33.7	1.467	2.429	7.6	19.1
3 22	12 35.78	+ 2 17.2	1.446	2.437	3.3	18.9
4 1	12 26.69	+ 2 57.7	1.452	2.445	3.4	18.9
4 11	12 18.13	+ 3 28.4	1.485	2.454	7.7	19.2
4 21	12 11.11	+ 3 44.9	1.543	2.463	11.9	19.4
5 1	12 6.34	+ 3 44.7	1.622	2.472	15.5	19.7

345611 2006 SF_{205} 3 28.6 198°.71 0°.1/28.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 49.69	− 7 14.2	2.511	3.306	11.7	21.5
3 2	12 46.00	− 6 28.5	2.419	3.304	9.0	21.3
3 12	12 40.72	− 5 30.0	2.351	3.303	5.9	21.1
3 22	12 34.32	− 4 22.2	2.311	3.301	2.4	20.9
4 1	12 27.43	− 3 9.7	2.301	3.298	1.2	20.8
4 11	12 20.78	− 1 58.5	2.320	3.296	4.7	21.0
4 21	12 15.01	− 0 53.8	2.368	3.293	8.0	21.2
5 1	12 10.63	+ 0 0.1	2.440	3.290	11.0	21.4

271110 2003 RO_{11} 3 28.6 245°.63 0°.6/27.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 51.88	− 4 23.1	2.084	2.894	13.2	21.2
3 2	12 48.03	− 3 45.0	1.993	2.888	10.2	21.0
3 12	12 42.21	− 2 54.2	1.925	2.881	6.5	20.7
3 22	12 34.98	− 1 54.8	1.884	2.874	2.6	20.4
4 1	12 27.09	− 0 52.4	1.871	2.867	1.8	20.4
4 11	12 19.45	+ 0 6.7	1.887	2.860	5.9	20.6
4 21	12 12.89	+ 0 56.6	1.930	2.853	9.7	20.8
5 1	12 8.04	+ 1 33.3	1.996	2.846	13.1	21.0

41024 1999 UW_{38} 3 28.6 189°.60 1°.7/30.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 53.25	−11 3.0	2.324	3.101	13.1	19.5
3 2	12 48.88	−10 48.0	2.230	3.101	10.3	19.3
3 12	12 42.66	−10 18.3	2.159	3.099	7.1	19.1
3 22	12 35.14	− 9 35.8	2.115	3.098	3.7	18.8
4 1	12 27.02	− 8 44.1	2.100	3.096	1.8	18.7
4 11	12 19.14	− 7 48.4	2.114	3.094	4.7	18.9
4 21	12 12.27	− 6 54.2	2.156	3.091	8.2	19.1
5 1	12 7.02	− 6 6.7	2.223	3.088	11.3	19.3

66812 1999 UE_{8} 3 28.6 121°.16 0°.5/29.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 53.59	− 7 4.9	2.146	2.942	13.4	20.2
3 2	12 49.16	− 6 43.3	2.066	2.951	10.4	20.0
3 12	12 42.83	− 6 8.9	2.009	2.960	6.8	19.8
3 22	12 35.18	− 5 24.7	1.980	2.968	2.9	19.5
4 1	12 27.01	− 4 35.2	1.979	2.977	1.3	19.4
4 11	12 19.18	− 3 46.1	2.007	2.985	5.1	19.7
4 21	12 12.48	− 3 2.5	2.062	2.992	8.8	19.9
5 1	12 7.49	− 2 28.7	2.142	3.000	12.0	20.2

35899 1999 JC_{87} 3 28.6 208°.98 3°.3/24.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 49.96	+ 3 40.6	2.262	3.091	11.7	18.5
3 2	12 46.33	+ 4 49.3	2.183	3.091	8.8	18.3
3 12	12 40.99	+ 6 4.5	2.130	3.090	5.7	18.2
3 22	12 34.44	+ 7 20.3	2.105	3.089	3.4	18.0
4 1	12 27.38	+ 8 30.1	2.108	3.089	4.3	18.1
4 11	12 20.62	+ 9 27.9	2.140	3.088	7.3	18.2
4 21	12 14.83	+10 9.7	2.198	3.087	10.3	18.4
5 1	12 10.58	+10 33.3	2.279	3.086	13.0	18.6

95489 2002 EK_{29} 3 28.6 65°.25 1°.3/29.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 56.49	− 7 28.5	1.778	2.579	15.6	19.9
3 2	12 51.73	− 7 34.9	1.704	2.591	12.1	19.7
3 12	12 44.66	− 7 27.5	1.653	2.602	8.1	19.4
3 22	12 35.96	− 7 8.5	1.627	2.614	3.8	19.2
4 1	12 26.62	− 6 41.9	1.629	2.626	1.7	19.1
4 11	12 17.74	− 6 13.0	1.659	2.639	5.7	19.4
4 21	12 10.28	− 5 47.2	1.714	2.651	9.8	19.6
5 1	12 4.94	− 5 29.3	1.794	2.663	13.4	19.9

464443 2016 BB_{36} 3 28.6 116°.05 4°.9/24.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 55.99	+ 5 48.0	1.633	2.471	15.0	21.7
3 2	12 51.46	+ 7 0.6	1.571	2.481	11.4	21.5
3 12	12 44.51	+ 8 18.8	1.532	2.491	7.6	21.3
3 22	12 35.90	+ 9 34.2	1.519	2.501	5.0	21.1
4 1	12 26.67	+10 37.8	1.533	2.510	6.2	21.2
4 11	12 17.99	+11 22.3	1.574	2.519	9.6	21.4
4 21	12 10.86	+11 44.3	1.639	2.528	13.2	21.7
5 1	12 5.94	+11 43.0	1.724	2.536	16.4	21.9

399445 2002 FE_{23} 3 28.6 55°.47 0°.7/29.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 59.03	− 5 13.0	1.488	2.304	17.4	20.9
3 2	12 54.22	− 5 24.1	1.411	2.306	13.5	20.6
3 12	12 46.58	− 5 21.7	1.354	2.309	9.0	20.4
3 22	12 36.83	− 5 8.2	1.322	2.311	3.9	20.1
4 1	12 26.16	− 4 48.0	1.316	2.314	1.7	19.9
4 11	12 15.95	− 4 27.3	1.337	2.317	6.9	20.3
4 21	12 7.44	− 4 11.8	1.383	2.320	11.7	20.5
5 1	12 1.49	− 4 6.1	1.451	2.322	15.8	20.8

37743 1996 XQ 3 28.6 95°.16 2°.8/25.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 55.66	+ 2 30.3	1.921	2.746	13.6	19.7
3 2	12 50.81	+ 3 13.2	1.858	2.762	10.3	19.5
3 12	12 43.90	+ 4 2.4	1.818	2.778	6.6	19.3
3 22	12 35.60	+ 4 52.4	1.805	2.793	3.3	19.1
4 1	12 26.83	+ 5 36.9	1.821	2.809	3.8	19.2
4 11	12 18.56	+ 6 10.3	1.864	2.824	7.3	19.4
4 21	12 11.61	+ 6 29.1	1.934	2.838	10.7	19.7
5 1	12 6.58	+ 6 31.7	2.026	2.853	13.8	19.9

137179 1999 JQ_{16} 3 28.6 150°.62 4°.3/23.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 53.74	+ 9 27.9	2.403	3.230	11.2	20.5
3 2	12 49.05	+10 12.9	2.330	3.233	8.6	20.4
3 12	12 42.66	+10 58.5	2.283	3.235	6.0	20.2
3 22	12 35.10	+11 39.4	2.263	3.238	4.4	20.1
4 1	12 27.08	+12 10.6	2.272	3.240	5.2	20.2
4 11	12 19.39	+12 28.0	2.309	3.242	7.6	20.3
4 21	12 12.73	+12 29.7	2.372	3.244	10.3	20.5
5 1	12 7.63	+12 15.2	2.457	3.246	12.7	20.7

330139 2005 YK_{188} 3 28.6 164°.92 2°.7/25.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 53.65	+ 2 24.3	2.223	3.043	12.2	21.7
3 2	12 49.14	+ 3 17.1	2.145	3.047	9.2	21.5
3 12	12 42.79	+ 4 16.7	2.092	3.051	5.9	21.3
3 22	12 35.17	+ 5 17.6	2.067	3.054	3.1	21.1
4 1	12 27.04	+ 6 14.0	2.071	3.057	3.7	21.2
4 11	12 19.23	+ 7 0.2	2.103	3.059	6.8	21.4
4 21	12 12.50	+ 7 32.4	2.163	3.061	10.1	21.6
5 1	12 7.42	+ 7 48.4	2.246	3.062	12.9	21.7

221336 2005 WE_{8} 3 28.6 156°.93 1°.9/26.5 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 57.64	+ 1 53.9	2.547	3.352	11.3	21.1
3 2	12 51.87	+ 2 21.1	2.468	3.361	8.5	20.9
3 12	12 44.41	+ 2 53.5	2.414	3.370	5.5	20.7
3 22	12 35.80	+ 3 27.2	2.389	3.378	2.5	20.5
4 1	12 26.73	+ 3 57.9	2.395	3.385	2.7	20.5
4 11	12 18.00	+ 4 21.6	2.431	3.391	5.7	20.7
4 21	12 10.30	+ 4 35.6	2.495	3.397	8.8	20.9
5 1	12 4.15	+ 4 38.1	2.585	3.402	11.4	21.1

222668 2001 YT_{8} 3 28.6 107°.49 2°.5/31.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 54.74	−12 29.2	1.955	2.734	15.1	20.6
3 2	12 50.25	−12 23.2	1.877	2.746	12.0	20.4
3 12	12 43.65	−11 59.6	1.820	2.757	8.4	20.2
3 22	12 35.55	−11 20.4	1.789	2.768	4.7	20.0
4 1	12 26.85	−10 29.3	1.785	2.779	2.5	19.9
4 11	12 18.55	− 9 32.5	1.810	2.790	5.3	20.1
4 21	12 11.53	− 8 36.5	1.862	2.801	9.0	20.3
5 1	12 6.43	− 7 47.4	1.938	2.811	12.4	20.5

142322 2002 RX_{171} 3 28.6 172°.04 0°.2/28.8 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 56.06	− 6 8.9	2.188	2.982	13.3	22.4
3 2	12 51.05	− 5 42.5	2.101	2.986	10.2	22.2
3 12	12 44.08	− 5 3.8	2.038	2.989	6.7	22.0
3 22	12 35.72	− 4 15.7	2.002	2.992	2.8	21.8
4 1	12 26.76	− 3 23.2	1.996	2.993	1.3	21.7
4 11	12 18.12	− 2 31.8	2.019	2.995	5.3	21.9
4 21	12 10.60	− 1 46.8	2.070	2.995	9.0	22.2
5 1	12 4.83	− 1 12.4	2.146	2.995	12.3	22.4

497689 2006 SP_{59} 3 28.6 155°.62 5°.9/ 4.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 54.03	−24 58.7	2.694	3.383	13.5	21.6
3 2	12 49.39	−25 29.3	2.598	3.387	11.6	21.4
3 12	12 42.97	−25 41.8	2.522	3.391	9.5	21.3
3 22	12 35.28	−25 35.0	2.471	3.395	7.4	21.2
4 1	12 26.98	−25 9.1	2.446	3.399	6.0	21.1
4 11	12 18.90	−24 27.2	2.450	3.402	6.2	21.1
4 21	12 11.75	−23 33.9	2.481	3.405	7.8	21.2
5 1	12 6.14	−22 35.1	2.537	3.408	9.9	21.3

501236 2013 VY_{6} 3 28.6 103°.04 3°.0/31.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 55.53	−13 11.5	2.084	2.854	14.6	21.0
3 2	12 50.78	−13 24.3	2.002	2.864	11.7	20.8
3 12	12 43.96	−13 21.3	1.942	2.874	8.4	20.6
3 22	12 35.68	−13 3.0	1.908	2.883	5.0	20.4
4 1	12 26.79	−12 32.2	1.901	2.892	3.0	20.3
4 11	12 18.24	−11 53.6	1.923	2.902	5.2	20.5
4 21	12 10.90	−11 12.8	1.972	2.911	8.6	20.7
5 1	12 5.41	−10 35.3	2.046	2.919	11.8	20.9

345045 2005 EC_{320} 3 28.6 137°.96 3°.0/24.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 51.14	+ 2 26.0	2.359	3.182	11.5	21.4
3 2	12 47.10	+ 3 45.3	2.287	3.191	8.6	21.2
3 12	12 41.42	+ 5 11.8	2.241	3.200	5.5	21.0
3 22	12 34.61	+ 6 39.2	2.223	3.209	3.2	20.9
4 1	12 27.36	+ 8 1.0	2.236	3.217	4.0	21.0
4 11	12 20.44	+ 9 10.9	2.277	3.225	6.9	21.1
4 21	12 14.50	+10 4.9	2.345	3.232	9.8	21.3
5 1	12 10.05	+10 40.7	2.437	3.239	12.5	21.5

362761 2011 WL_{27} 3 28.6 156°.66 2°.1/26.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 55.26	− 1 42.1	1.792	2.612	14.7	21.4
3 2	12 50.79	− 0 40.5	1.716	2.618	11.1	21.2
3 12	12 44.07	+ 0 33.8	1.664	2.624	7.1	20.9
3 22	12 35.75	+ 1 54.5	1.638	2.629	3.0	20.7
4 1	12 26.78	+ 3 13.6	1.641	2.634	3.3	20.7
4 11	12 18.24	+ 4 23.0	1.672	2.637	7.4	21.0
4 21	12 11.05	+ 5 16.7	1.729	2.641	11.4	21.2
5 1	12 5.92	+ 5 51.1	1.809	2.644	14.8	21.4

508540 2016 SJ_{46} 3 28.6 301°.63 6°.1/ 4.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 49.21	−24 42.3	2.214	2.929	15.4	21.1
3 2	12 46.20	−24 46.0	2.100	2.910	13.3	20.9
3 12	12 41.18	−24 25.9	2.006	2.892	10.7	20.7
3 22	12 34.64	−23 40.6	1.935	2.874	8.1	20.5
4 1	12 27.30	−22 31.0	1.889	2.855	6.3	20.3
4 11	12 20.11	−21 1.9	1.871	2.837	6.6	20.3
4 21	12 13.94	−19 20.6	1.880	2.819	8.9	20.4
5 1	12 9.50	−17 35.9	1.913	2.802	11.8	20.6

468142 2014 UE_{150} 3 28.6 71°.94 0°.2/28.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 54.35	− 7 6.2	1.666	2.476	16.0	21.8
3 2	12 50.10	− 6 29.8	1.604	2.498	12.3	21.6
3 12	12 43.58	− 5 37.0	1.564	2.519	8.0	21.4
3 22	12 35.52	− 4 32.7	1.550	2.540	3.3	21.2
4 1	12 26.94	− 3 23.8	1.563	2.561	1.5	21.1
4 11	12 18.94	− 2 18.1	1.604	2.582	6.2	21.5
4 21	12 12.42	− 1 22.6	1.670	2.603	10.3	21.8
5 1	12 8.02	− 0 41.8	1.760	2.623	13.9	22.0

502306 2015 BF_{150} 3 28.6 276°.09 3°.6/24.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 52.39	+ 3 51.1	1.929	2.762	13.2	21.2
3 2	12 48.58	+ 4 48.7	1.844	2.753	10.1	21.0
3 12	12 42.67	+ 5 53.6	1.782	2.743	6.6	20.7
3 22	12 35.21	+ 6 59.7	1.747	2.733	3.8	20.6
4 1	12 27.05	+ 7 59.6	1.740	2.723	4.8	20.6
4 11	12 19.17	+ 8 46.5	1.760	2.713	8.2	20.8
4 21	12 12.45	+ 9 15.9	1.806	2.703	11.8	21.0
5 1	12 7.59	+ 9 25.6	1.873	2.693	15.0	21.1

518530 2006 SF_{416} 3 28.6 208°.01 0°.2/28.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 53.71	− 5 8.2	2.536	3.330	11.6	21.9
3 2	12 49.06	− 4 59.8	2.442	3.327	9.0	21.8
3 12	12 42.72	− 4 42.3	2.372	3.323	5.9	21.5
3 22	12 35.17	− 4 17.8	2.331	3.320	2.5	21.3
4 1	12 27.09	− 3 49.6	2.318	3.316	1.1	21.2
4 11	12 19.22	− 3 21.9	2.336	3.312	4.7	21.4
4 21	12 12.27	− 2 58.2	2.382	3.308	8.0	21.6
5 1	12 6.78	− 2 41.9	2.453	3.304	10.9	21.8

138546 2000 QM_{12} 3 28.6 208°.69 0°.8/27.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 51.25	− 2 50.6	2.872	3.672	10.3	21.2
3 2	12 46.99	− 2 16.0	2.775	3.666	7.8	21.0
3 12	12 41.29	− 1 33.3	2.705	3.660	5.0	20.8
3 22	12 34.58	− 0 45.5	2.662	3.653	2.0	20.6
4 1	12 27.40	+ 0 3.4	2.650	3.646	1.6	20.5
4 11	12 20.41	+ 0 49.2	2.669	3.638	4.7	20.7
4 21	12 14.18	+ 1 28.1	2.715	3.630	7.6	20.9
5 1	12 9.20	+ 1 57.2	2.788	3.622	10.2	21.1

213096 1999 VA_{88} 3 28.6 229°.30 1°.7/30.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 54.81	−10 49.1	1.937	2.724	15.0	20.6
3 2	12 50.55	−10 29.9	1.838	2.714	11.9	20.4
3 12	12 44.03	− 9 52.7	1.760	2.704	8.2	20.2
3 22	12 35.81	− 8 59.6	1.709	2.693	4.1	19.9
4 1	12 26.75	− 7 54.9	1.685	2.682	1.9	19.7
4 11	12 17.90	− 6 45.5	1.690	2.670	5.6	19.9
4 21	12 10.24	− 5 38.7	1.721	2.657	9.8	20.1
5 1	12 4.54	− 4 41.2	1.777	2.644	13.6	20.3

66420 1999 NA_{15} 3 28.6 265°.83 4°.3/24.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 55.75	+ 4 21.5	1.728	2.562	14.5	20.0
3 2	12 51.58	+ 5 24.1	1.632	2.540	11.2	19.8
3 12	12 44.88	+ 6 35.9	1.558	2.518	7.4	19.5
3 22	12 36.21	+ 7 49.9	1.511	2.496	4.5	19.3
4 1	12 26.53	+ 8 57.1	1.491	2.473	5.6	19.3
4 11	12 17.01	+ 9 49.0	1.499	2.449	9.5	19.4
4 21	12 8.77	+10 20.2	1.530	2.425	13.6	19.6
5 1	12 2.72	+10 27.9	1.583	2.401	17.3	19.8

388680 2007 UV_{49} 3 28.6 162°.23 3°.3/24.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 53.00	+ 6 41.2	2.715	3.535	10.2	21.9
3 2	12 48.31	+ 7 28.8	2.640	3.541	7.8	21.7
3 12	12 42.11	+ 8 18.8	2.590	3.545	5.2	21.5
3 22	12 34.89	+ 9 6.6	2.569	3.550	3.4	21.4
4 1	12 27.27	+ 9 47.7	2.578	3.553	4.1	21.5
4 11	12 19.93	+10 18.0	2.616	3.557	6.5	21.6
4 21	12 13.48	+10 35.0	2.681	3.560	9.1	21.8
5 1	12 8.40	+10 37.9	2.770	3.562	11.4	22.0

157302 2004 SZ_{21} 3 28.6 352°.70 0°.8/27.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 52.31	− 4 1.0	1.802	2.622	14.6	20.6
3 2	12 48.60	− 3 23.6	1.721	2.621	11.2	20.4
3 12	12 42.71	− 2 32.8	1.662	2.621	7.2	20.1
3 22	12 35.24	− 1 32.9	1.629	2.620	2.8	19.8
4 1	12 27.08	− 0 30.5	1.624	2.620	2.1	19.8
4 11	12 19.27	+ 0 27.2	1.646	2.620	6.5	20.1
4 21	12 12.72	+ 1 13.9	1.694	2.620	10.6	20.3
5 1	12 8.14	+ 1 45.4	1.764	2.620	14.2	20.5

120782 1998 EM_{12} 3 28.6 71°.45 1°.4/29.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	13 4.03	− 5 18.5	1.797	2.590	15.7	18.8
3 2	12 57.56	− 6 1.1	1.717	2.599	12.3	18.6
3 12	12 48.51	− 6 34.3	1.660	2.607	8.3	18.4
3 22	12 37.60	− 6 58.7	1.629	2.616	3.9	18.1
4 1	12 25.89	− 7 15.9	1.628	2.625	1.9	18.0
4 11	12 14.64	− 7 29.1	1.655	2.633	6.0	18.3
4 21	12 4.94	− 7 41.9	1.710	2.642	10.2	18.5
5 1	11 57.58	− 7 57.6	1.789	2.651	13.8	18.8

135239 2001 SH_9 3 28.6 151°.04 3°.2/24.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 53.94	+ 7 50.7	3.013	3.828	9.5	20.4
3 2	12 48.84	+ 8 30.6	2.940	3.838	7.2	20.3
3 12	12 42.36	+ 9 11.7	2.894	3.847	4.9	20.1
3 22	12 34.98	+ 9 49.9	2.878	3.856	3.3	20.0
4 1	12 27.26	+10 21.3	2.891	3.864	3.9	20.1
4 11	12 19.82	+10 42.6	2.935	3.872	6.0	20.3
4 21	12 13.21	+10 52.1	3.006	3.879	8.4	20.4
5 1	12 7.87	+10 48.8	3.101	3.885	10.5	20.6

306275 2011 SW_7 3 28.6 200°.60 0°.3/28.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 49.54	− 5 54.0	2.469	3.270	11.7	21.3
3 2	12 45.93	− 5 6.1	2.379	3.269	9.0	21.2
3 12	12 40.71	− 4 6.1	2.313	3.267	5.8	21.0
3 22	12 34.37	− 2 57.7	2.275	3.266	2.3	20.7
4 1	12 27.55	− 1 45.9	2.267	3.264	1.4	20.6
4 11	12 20.96	− 0 36.6	2.288	3.262	4.9	20.9
4 21	12 15.25	+ 0 25.1	2.337	3.260	8.3	21.1
5 1	12 10.96	+ 1 15.0	2.411	3.258	11.2	21.3

51553 2001 FR_{164} 3 28.6 330°.07 0°.3/28.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 49.92	− 7 9.5	1.467	2.294	17.0	19.1
3 2	12 47.32	− 6 17.1	1.384	2.287	13.2	18.9
3 12	12 42.17	− 5 3.1	1.323	2.282	8.6	18.6
3 22	12 35.11	− 3 32.8	1.285	2.276	3.5	18.3
4 1	12 27.15	− 1 55.0	1.273	2.271	2.0	18.1
4 11	12 19.57	− 0 20.6	1.288	2.266	7.3	18.5
4 21	12 13.44	+ 1 0.3	1.327	2.262	12.2	18.7
5 1	12 9.62	+ 2 0.9	1.388	2.258	16.5	19.0

33036 1997 ST_{10} 3 28.6 151°.56 1°.8/27.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 59.24	− 0 30.6	1.793	2.609	14.9	18.7
3 2	12 53.83	− 0 1.1	1.718	2.616	11.3	18.5
3 12	12 46.04	+ 0 38.0	1.666	2.624	7.2	18.2
3 22	12 36.58	+ 1 21.7	1.640	2.630	3.0	18.0
4 1	12 26.45	+ 2 3.9	1.643	2.636	2.9	18.0
4 11	12 16.79	+ 2 38.4	1.674	2.642	7.1	18.2
4 21	12 8.57	+ 3 0.6	1.731	2.647	11.1	18.5
5 1	12 2.53	+ 3 7.7	1.811	2.651	14.6	18.7

436647 2011 QN_{76} 3 28.6 212°.63 0°.5/28.0 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 51.24	− 3 53.9	2.801	3.599	10.5	22.3
3 2	12 47.04	− 3 21.9	2.704	3.593	8.1	22.1
3 12	12 41.36	− 2 41.0	2.632	3.586	5.2	21.9
3 22	12 34.63	− 1 54.2	2.589	3.579	2.0	21.7
4 1	12 27.43	− 1 5.3	2.575	3.572	1.4	21.6
4 11	12 20.41	− 0 18.7	2.592	3.564	4.6	21.8
4 21	12 14.17	+ 0 21.5	2.637	3.556	7.6	22.0
5 1	12 9.22	+ 0 52.4	2.708	3.547	10.3	22.2

408192 2013 EM_{24} 3 28.6 284°.16 3°.7/25.7 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 54.73	+ 2 3.7	1.459	2.301	16.3	21.1
3 2	12 51.13	+ 2 55.8	1.373	2.286	12.5	20.8
3 12	12 44.75	+ 3 59.7	1.309	2.272	8.1	20.5
3 22	12 36.21	+ 5 8.0	1.269	2.257	4.2	20.3
4 1	12 26.59	+ 6 11.4	1.255	2.243	5.1	20.3
4 11	12 17.27	+ 7 0.6	1.266	2.229	9.6	20.5
4 21	12 9.49	+ 7 29.3	1.301	2.214	14.2	20.7
5 1	12 4.19	+ 7 34.4	1.356	2.200	18.3	20.9

179691 2002 RS_7 3 28.6 191°.75 1°.7/26.9 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 55.37	− 1 20.5	2.154	2.964	12.9	21.7
3 2	12 50.59	− 0 33.8	2.066	2.963	9.8	21.5
3 12	12 43.85	+ 0 23.0	2.003	2.961	6.2	21.2
3 22	12 35.68	+ 1 25.3	1.968	2.958	2.6	21.0
4 1	12 26.89	+ 2 27.0	1.961	2.954	2.7	21.0
4 11	12 18.40	+ 3 22.0	1.985	2.950	6.4	21.2
4 21	12 11.01	+ 4 5.2	2.035	2.945	10.0	21.4
5 1	12 5.36	+ 4 33.5	2.109	2.940	13.2	21.6

27181 1999 CX_1 3 28.6 172°.08 6°.5/20.5 18 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 54.57	+14 8.2	2.227	3.058	11.8	18.0
3 2	12 49.90	+15 42.0	2.163	3.062	9.3	17.8
3 12	12 43.33	+17 14.4	2.125	3.064	7.2	17.7
3 22	12 35.44	+18 37.4	2.114	3.067	6.6	17.7
4 1	12 27.04	+19 43.7	2.131	3.068	7.8	17.7
4 11	12 19.00	+20 28.2	2.175	3.070	10.0	17.9
4 21	12 12.09	+20 48.9	2.244	3.070	12.5	18.0
5 1	12 6.90	+20 46.5	2.332	3.070	14.7	18.2

409363 2005 AA_{17} 3 28.6 15°.05 3°.4/31.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 53.41	−12 30.3	1.349	2.157	19.2	20.4
3 2	12 50.24	−12 39.6	1.274	2.159	15.4	20.1
3 12	12 44.18	−12 25.8	1.217	2.161	11.0	19.9
3 22	12 35.96	−11 49.8	1.183	2.164	6.2	19.6
4 1	12 26.75	−10 56.2	1.173	2.167	3.4	19.5
4 11	12 18.01	− 9 53.3	1.188	2.171	6.9	19.7
4 21	12 10.99	− 8 50.9	1.227	2.176	11.7	19.9
5 1	12 6.59	− 7 57.7	1.287	2.180	16.0	20.2

115270 2003 SR_{179} 3 28.6 327°.09 0°.6/28.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	13 1.40	− 3 5.3	1.385	2.207	18.1	18.8
3 2	12 56.46	− 3 41.5	1.300	2.199	14.2	18.5
3 12	12 48.33	− 4 8.3	1.236	2.192	9.4	18.2
3 22	12 37.71	− 4 27.2	1.195	2.185	4.0	17.9
4 1	12 25.84	− 4 41.0	1.181	2.179	1.9	17.7
4 11	12 14.32	− 4 54.1	1.193	2.173	7.5	18.0
4 21	12 4.59	− 5 10.6	1.229	2.167	12.7	18.3
5 1	11 57.72	− 5 34.3	1.287	2.162	17.2	18.5

2020	α_{2000}	δ_{2000}	Δ	r	β	V
200591 2001 RB_{20}			3 28.6 179°.74		0°.6/28.1 18	
	h m	° ′			°	m
2 21	12 55.09	− 5 57.5	1.632	2.446	16.1	21.1
3 2	12 50.99	− 5 6.4	1.551	2.448	12.4	20.8
3 12	12 44.39	− 3 57.2	1.492	2.448	8.0	20.6
3 22	12 35.98	− 2 35.3	1.458	2.449	3.2	20.3
4 1	12 26.77	− 1 8.5	1.452	2.449	2.1	20.2
4 11	12 17.96	+ 0 13.5	1.473	2.448	7.0	20.5
4 21	12 10.61	+ 1 22.7	1.520	2.447	11.6	20.8
5 1	12 5.49	+ 2 13.5	1.590	2.445	15.5	21.0
310958 2003 UH_{97}			3 28.6 87°.06		1°.0/27.8 18	
2 21	12 57.25	− 3 0.9	1.590	2.410	16.2	21.1
3 2	12 52.47	− 2 32.1	1.526	2.426	12.4	20.9
3 12	12 45.21	− 1 50.5	1.484	2.443	7.9	20.7
3 22	12 36.25	− 1 1.4	1.467	2.459	3.1	20.4
4 1	12 26.68	− 0 11.5	1.478	2.475	2.3	20.4
4 11	12 17.71	+ 0 32.0	1.517	2.490	7.0	20.7
4 21	12 10.34	+ 1 3.5	1.580	2.506	11.3	21.0
5 1	12 5.27	+ 1 19.7	1.666	2.521	14.9	21.2
337767 2001 UV_{143}			3 28.6 199°.23		3°.0/24.9 18	
2 21	12 53.61	+ 6 6.2	2.712	3.530	10.3	21.5
3 2	12 48.84	+ 6 43.9	2.627	3.527	7.8	21.3
3 12	12 42.51	+ 7 24.3	2.568	3.523	5.2	21.1
3 22	12 35.10	+ 8 3.2	2.537	3.520	3.2	21.0
4 1	12 27.24	+ 8 36.2	2.536	3.515	3.8	21.0
4 11	12 19.61	+ 8 59.5	2.565	3.511	6.3	21.2
4 21	12 12.86	+ 9 10.5	2.621	3.506	9.0	21.3
5 1	12 7.48	+ 9 8.1	2.701	3.501	11.4	21.5
406489 2007 VF_{7}			3 28.6 160°.60		1°.9/30.6 18	
2 21	12 56.64	−11 46.8	2.113	2.887	14.3	21.7
3 2	12 51.60	−11 27.2	2.027	2.894	11.4	21.5
3 12	12 44.51	−10 50.7	1.963	2.901	7.9	21.3
3 22	12 35.96	− 9 59.5	1.926	2.908	4.1	21.1
4 1	12 26.80	− 8 57.9	1.917	2.913	2.0	21.0
4 11	12 17.98	− 7 52.0	1.938	2.918	5.1	21.2
4 21	12 10.36	− 6 48.5	1.987	2.922	8.8	21.4
5 1	12 4.59	− 5 53.0	2.062	2.924	12.2	21.6
68614 2002 AL_{136}			3 28.6 192°.04		0°.5/29.2 17	
2 21	12 53.18	− 7 42.5	2.028	2.826	14.0	20.7
3 2	12 49.08	− 7 13.7	1.939	2.825	10.9	20.5
3 12	12 42.95	− 6 30.1	1.874	2.824	7.2	20.2
3 22	12 35.35	− 5 34.8	1.834	2.823	3.1	20.0
4 1	12 27.10	− 4 32.9	1.824	2.822	1.3	19.8
4 11	12 19.15	− 3 31.0	1.842	2.820	5.5	20.1
4 21	12 12.33	− 2 35.2	1.887	2.818	9.4	20.4
5 1	12 7.32	− 1 50.7	1.956	2.816	12.8	20.6
304433 2006 TH_{91}			3 28.6 205°.84		2°.4/31.8 17	
2 21	12 50.41	−14 22.8	2.597	3.357	12.3	21.6
3 2	12 46.59	−14 6.0	2.498	3.355	9.9	21.5
3 12	12 41.16	−13 33.7	2.423	3.352	7.1	21.3
3 22	12 34.59	−12 47.5	2.374	3.350	4.2	21.1
4 1	12 27.50	−11 50.4	2.354	3.346	2.4	21.0
4 11	12 20.62	−10 47.1	2.364	3.343	4.3	21.1
4 21	12 14.60	− 9 43.0	2.402	3.340	7.3	21.3
5 1	12 9.99	− 8 43.3	2.465	3.336	10.1	21.4
491794 2012 XD_{25}			3 28.6 205°.49		2°.4/31.6 18	
2 21	12 51.42	−14 1.9	2.609	3.369	12.2	21.8
3 2	12 47.36	−13 47.8	2.509	3.366	9.8	21.6
3 12	12 41.66	−13 18.7	2.432	3.362	7.0	21.4
3 22	12 34.79	−12 36.0	2.382	3.357	4.1	21.2
4 1	12 27.39	−11 42.5	2.360	3.353	2.4	21.1
4 11	12 20.19	−10 42.8	2.369	3.348	4.3	21.2
4 21	12 13.85	− 9 42.2	2.405	3.343	7.3	21.4
5 1	12 8.93	− 8 45.8	2.468	3.337	10.2	21.5
115678 2003 UV_{148}			3 28.6 240°.09		1°.8/26.8 18	
2 21	12 52.88	− 0 13.4	2.100	2.919	12.8	19.8
3 2	12 48.76	+ 0 23.5	2.014	2.916	9.7	19.6
3 12	12 42.70	+ 1 9.1	1.953	2.912	6.2	19.4
3 22	12 35.24	+ 1 58.9	1.918	2.909	2.7	19.1
4 1	12 27.18	+ 2 47.4	1.912	2.905	2.8	19.1
4 11	12 19.40	+ 3 28.8	1.935	2.901	6.4	19.3
4 21	12 12.70	+ 3 58.7	1.984	2.897	10.0	19.5
5 1	12 7.73	+ 4 14.3	2.056	2.893	13.2	19.7
437439 2013 YX_{5}			3 28.6 41°.33		5°.2/23.1 17	
2 21	12 51.62	+ 9 9.6	1.958	2.798	12.8	21.0
3 2	12 47.81	+10 17.1	1.897	2.806	9.8	20.9
3 12	12 42.04	+11 26.2	1.860	2.815	6.9	20.7
3 22	12 34.95	+12 29.6	1.849	2.824	5.2	20.6
4 1	12 27.36	+13 20.3	1.866	2.832	6.3	20.7
4 11	12 20.20	+13 52.9	1.909	2.842	9.1	20.9
4 21	12 14.25	+14 5.1	1.977	2.851	12.0	21.1
5 1	12 10.10	+13 56.6	2.066	2.861	14.6	21.3

2020	α_{2000}	δ_{2000}	Δ	r	β	V
204189 2004 BL_{76}			3 28.6 119°.20		0°.5/28.0 18	
	h m	° ′			°	m
2 21	12 52.00	− 4 11.9	2.284	3.090	12.4	20.9
3 2	12 47.87	− 3 37.4	2.204	3.097	9.4	20.7
3 12	12 42.00	− 2 52.2	2.149	3.104	6.1	20.5
3 22	12 34.92	− 2 0.1	2.120	3.111	2.4	20.3
4 1	12 27.36	− 1 6.1	2.121	3.118	1.6	20.2
4 11	12 20.12	− 0 15.6	2.151	3.125	5.3	20.5
4 21	12 13.89	+ 0 26.8	2.209	3.131	8.7	20.7
5 1	12 9.24	+ 0 57.6	2.291	3.137	11.7	20.9
350427 2012 VJ_{80}			3 28.6 231°.05		1°.5/26.9 17	
2 21	12 51.05	− 1 22.3	2.269	3.086	12.1	21.2
3 2	12 47.21	− 0 40.8	2.184	3.084	9.2	21.0
3 12	12 41.62	+ 0 9.9	2.124	3.083	5.8	20.7
3 22	12 34.79	+ 1 5.6	2.091	3.082	2.4	20.5
4 1	12 27.42	+ 2 0.8	2.087	3.080	2.4	20.5
4 11	12 20.33	+ 2 50.0	2.111	3.079	5.9	20.7
4 21	12 14.22	+ 3 28.7	2.163	3.077	9.3	20.9
5 1	12 9.67	+ 3 54.0	2.238	3.076	12.2	21.1
3740 Menge			3 28.6 115°.47		0°.8/29.4 18	
2 21	12 58.98	− 7 24.1	2.013	2.802	14.4	18.6
3 2	12 53.29	− 7 9.3	1.943	2.824	11.2	18.4
3 12	12 45.52	− 6 41.2	1.897	2.845	7.4	18.2
3 22	12 36.34	− 6 2.7	1.877	2.865	3.2	18.0
4 1	12 26.67	− 5 18.5	1.887	2.885	1.4	17.9
4 11	12 17.50	− 4 34.3	1.926	2.904	5.3	18.2
4 21	12 9.68	− 3 55.4	1.993	2.922	9.1	18.4
5 1	12 3.81	− 3 25.8	2.084	2.939	12.4	18.7
312508 2009 BL_{178}			3 28.6 58°.72		1°.2/29.6 18	
2 21	12 55.85	− 8 29.5	1.337	2.155	18.8	21.3
3 2	12 51.82	− 8 13.0	1.278	2.174	14.6	21.0
3 12	12 44.99	− 7 36.4	1.239	2.193	9.7	20.8
3 22	12 36.21	− 6 43.6	1.224	2.212	4.4	20.5
4 1	12 26.75	− 5 42.0	1.234	2.232	1.8	20.4
4 11	12 18.00	− 4 40.7	1.270	2.251	6.8	20.8
4 21	12 11.10	− 3 48.0	1.330	2.271	11.6	21.1
5 1	12 6.77	− 3 10.0	1.412	2.291	15.7	21.4
500654 2012 VB_{18}			3 28.7 156°.76		1°.2/27.1 17	
2 21	12 51.56	− 1 30.3	2.519	3.329	11.2	22.0
3 2	12 47.38	− 0 52.3	2.436	3.333	8.5	21.8
3 12	12 41.63	− 0 6.1	2.379	3.336	5.4	21.6
3 22	12 34.77	+ 0 44.4	2.349	3.339	2.2	21.4
4 1	12 27.45	+ 1 34.5	2.348	3.342	2.1	21.4
4 11	12 20.41	+ 2 19.5	2.377	3.345	5.3	21.6
4 21	12 14.27	+ 2 55.4	2.434	3.347	8.4	21.8
5 1	12 9.55	+ 3 19.5	2.515	3.350	11.2	22.0
69354 1994 CZ_{2}			3 28.7 240°.87		1°.8/30.4 17	R
2 21	12 55.59	−11 14.1	2.021	2.802	14.7	20.4
3 2	12 51.17	−10 53.5	1.912	2.785	11.7	20.1
3 12	12 44.49	−10 14.9	1.826	2.767	8.1	19.9
3 22	12 36.07	− 9 19.9	1.765	2.748	4.2	19.6
4 1	12 26.75	− 8 12.5	1.733	2.729	1.9	19.4
4 11	12 17.55	− 6 59.5	1.729	2.709	5.6	19.6
4 21	12 9.45	− 5 48.2	1.754	2.688	9.7	19.8
5 1	12 3.26	− 4 45.6	1.802	2.667	13.6	20.0
82985 2001 QC_{147}			3 28.7 197°.62		4°.7/22.9 18	
2 21	12 52.92	+10 39.9	2.445	3.273	10.9	19.5
3 2	12 48.49	+11 35.5	2.370	3.272	8.5	19.3
3 12	12 42.36	+12 31.3	2.320	3.270	6.1	19.2
3 22	12 35.07	+13 21.9	2.298	3.269	4.8	19.1
4 1	12 27.30	+14 1.6	2.305	3.267	5.7	19.1
4 11	12 19.83	+14 26.3	2.340	3.265	8.0	19.3
4 21	12 13.34	+14 33.9	2.400	3.262	10.6	19.4
5 1	12 8.37	+14 23.9	2.483	3.260	12.9	19.6
292803 2006 UE_{243}			3 28.7 13°.79		0°.7/29.4 17	
2 21	12 49.23	− 8 50.2	2.136	2.935	13.4	20.8
3 2	12 45.96	− 8 11.6	2.050	2.936	10.4	20.6
3 12	12 40.87	− 7 17.6	1.987	2.937	6.9	20.3
3 22	12 34.50	− 6 11.6	1.950	2.938	3.1	20.1
4 1	12 27.58	− 4 58.7	1.942	2.940	1.2	20.0
4 11	12 20.95	− 3 45.8	1.962	2.942	5.1	20.2
4 21	12 15.35	− 2 39.0	2.010	2.944	8.8	20.5
5 1	12 11.36	− 1 43.6	2.082	2.946	12.0	20.7
272701 2005 YU_{11}			3 28.7 91°.90		5°.5/23.3 16	
2 21	12 55.31	+ 9 35.6	1.867	2.704	13.5	21.1
3 2	12 50.67	+10 40.2	1.809	2.715	10.3	20.9
3 12	12 43.90	+11 45.7	1.774	2.727	7.3	20.8
3 22	12 35.71	+12 44.6	1.765	2.739	5.5	20.7
4 1	12 27.01	+13 29.7	1.784	2.750	6.6	20.8
4 11	12 18.82	+13 55.7	1.830	2.762	9.4	20.9
4 21	12 12.00	+14 0.7	1.900	2.773	12.4	21.1
5 1	12 7.15	+13 44.8	1.991	2.784	15.2	21.4

2020	α_{2000}	δ_{2000}	Δ	r	β	V
101598 1999 BC_{33}			3 28.7 231°.20		3°.7/24.9 17	
	h m	° ′			°	m
2 21	12 54.15	+ 3 51.8	1.966	2.795	13.2	20.8
3 2	12 49.91	+ 4 53.0	1.880	2.787	10.0	20.5
3 12	12 43.55	+ 6 1.6	1.819	2.778	6.6	20.3
3 22	12 35.63	+ 7 11.4	1.784	2.769	3.9	20.1
4 1	12 27.00	+ 8 14.8	1.778	2.760	4.8	20.2
4 11	12 18.66	+ 9 5.1	1.799	2.750	8.2	20.3
4 21	12 11.49	+ 9 37.7	1.846	2.740	11.7	20.5
5 1	12 6.19	+ 9 50.5	1.915	2.729	14.9	20.7
468643 2008 TU_{42}			3 28.7 193°.51		3°.0/ 1.3 17	
2 21	12 53.71	−15 58.7	2.706	3.449	12.3	22.0
3 2	12 49.06	−15 52.0	2.604	3.447	10.0	21.8
3 12	12 42.75	−15 30.1	2.524	3.444	7.3	21.6
3 22	12 35.25	−14 53.7	2.472	3.440	4.6	21.4
4 1	12 27.20	−14 5.1	2.448	3.436	3.0	21.3
4 11	12 19.35	−13 8.5	2.455	3.431	4.4	21.4
4 21	12 12.36	−12 9.1	2.490	3.426	7.2	21.6
5 1	12 6.80	−11 11.9	2.552	3.419	9.9	21.7
338361 2002 XL_{59}			3 28.7 113°.79		3°.7/25.7 18	
2 21	12 59.36	+ 2 43.9	1.518	2.350	16.3	20.7
3 2	12 54.18	+ 3 40.4	1.458	2.366	12.3	20.5
3 12	12 46.37	+ 4 45.2	1.421	2.381	7.9	20.3
3 22	12 36.75	+ 5 50.5	1.409	2.396	4.2	20.1
4 1	12 26.51	+ 6 47.7	1.424	2.411	4.9	20.2
4 11	12 16.95	+ 7 29.2	1.466	2.424	8.9	20.5
4 21	12 9.11	+ 7 50.8	1.533	2.438	13.0	20.7
5 1	12 3.73	+ 7 51.3	1.620	2.450	16.5	21.0
55566 2002 BZ_{25}			3 28.7 77°.82		7°.7/23.1 18	
2 21	13 4.83	+17 46.2	1.789	2.611	14.6	17.9
3 2	12 57.95	+18 18.8	1.733	2.623	11.7	17.7
3 12	12 48.58	+18 43.2	1.701	2.636	9.1	17.6
3 22	12 37.59	+18 52.0	1.694	2.648	7.7	17.5
4 1	12 26.13	+18 39.6	1.714	2.661	8.6	17.6
4 11	12 15.44	+18 3.8	1.762	2.673	11.0	17.8
4 21	12 6.51	+17 6.0	1.834	2.686	13.8	18.0
5 1	11 59.98	+15 49.7	1.927	2.698	16.3	18.2
140768 2001 UL_{123}			3 28.7 80°.78		2°.3/31.5 18	
2 21	12 50.74	−14 3.3	2.345	3.113	13.2	19.6
3 2	12 46.88	−13 38.4	2.267	3.129	10.5	19.4
3 12	12 41.34	−12 56.9	2.212	3.145	7.4	19.3
3 22	12 34.67	−12 0.9	2.184	3.161	4.2	19.1
4 1	12 27.56	−10 54.7	2.184	3.177	2.3	19.0
4 11	12 20.80	− 9 43.8	2.213	3.193	4.5	19.1
4 21	12 15.05	− 8 34.4	2.270	3.209	7.6	19.4
5 1	12 10.83	− 7 31.7	2.353	3.224	10.5	19.6
269042 2007 FC_{33}			3 28.7 291°.41		2°.0/26.9 17	
2 21	12 55.33	+ 0 37.5	1.824	2.648	14.3	20.4
3 2	12 51.00	+ 0 59.1	1.736	2.639	10.9	20.2
3 12	12 44.36	+ 1 29.1	1.670	2.630	7.0	19.9
3 22	12 36.01	+ 2 2.9	1.631	2.621	3.0	19.7
4 1	12 26.85	+ 2 34.9	1.619	2.612	3.1	19.6
4 11	12 17.98	+ 2 59.3	1.635	2.603	7.2	19.9
4 21	12 10.38	+ 3 11.7	1.676	2.594	11.2	20.1
5 1	12 4.82	+ 3 9.3	1.740	2.586	14.8	20.3
207616 2006 RX_{33}			3 28.7 182°.21		1°.9/26.2 18	
2 21	12 50.22	− 0 24.3	2.457	3.274	11.3	20.9
3 2	12 46.45	+ 0 33.8	2.373	3.274	8.5	20.7
3 12	12 41.07	+ 1 40.6	2.315	3.274	5.4	20.5
3 22	12 34.57	+ 2 51.2	2.284	3.274	2.4	20.3
4 1	12 27.60	+ 4 0.1	2.283	3.273	2.8	20.4
4 11	12 20.88	+ 5 1.5	2.312	3.273	5.9	20.6
4 21	12 15.06	+ 5 51.2	2.367	3.272	9.0	20.8
5 1	12 10.67	+ 6 26.2	2.447	3.271	11.8	20.9
329062 2011 AH_{72}			3 28.7 82°.66		2°.5/26.5 18	
2 21	12 55.27	+ 0 45.6	1.734	2.562	14.7	20.9
3 2	12 50.82	+ 1 26.9	1.668	2.574	11.1	20.7
3 12	12 44.11	+ 2 17.1	1.625	2.585	7.1	20.4
3 22	12 35.84	+ 3 10.4	1.607	2.597	3.2	20.2
4 1	12 26.99	+ 3 59.7	1.617	2.608	3.6	20.3
4 11	12 18.64	+ 4 38.6	1.655	2.620	7.4	20.5
4 21	12 11.72	+ 5 2.7	1.718	2.631	11.3	20.8
5 1	12 6.87	+ 5 9.8	1.803	2.643	14.7	21.0
121649 1999 WK_{17}			3 28.7 151°.13		0°.3/28.9 18	
2 21	12 54.28	− 6 8.1	2.268	3.064	12.8	20.8
3 2	12 49.65	− 5 46.9	2.184	3.070	9.9	20.6
3 12	12 43.19	− 5 14.2	2.124	3.075	6.5	20.4
3 22	12 35.45	− 4 32.8	2.091	3.081	2.7	20.1
4 1	12 27.17	− 3 47.1	2.088	3.086	1.2	20.0
4 11	12 19.20	− 3 2.2	2.114	3.090	5.0	20.3
4 21	12 12.29	− 2 23.0	2.167	3.094	8.6	20.5
5 1	12 7.02	− 1 53.2	2.245	3.098	11.7	20.7

2020	α_{2000}	δ_{2000}	Δ	r	β	V
272902 2006 BR_{152}			3 28.7 119°.35		0°.8/29.4 17	
	h m	° ′			°	m
2 21	12 55.79	− 7 6.4	2.099	2.893	13.8	21.7
3 2	12 50.92	− 6 57.5	2.020	2.903	10.7	21.5
3 12	12 44.05	− 6 36.2	1.965	2.913	7.1	21.3
3 22	12 35.80	− 6 4.9	1.936	2.923	3.2	21.1
4 1	12 27.00	− 5 27.9	1.935	2.933	1.3	21.0
4 11	12 18.56	− 4 50.2	1.964	2.943	5.2	21.2
4 21	12 11.31	− 4 16.8	2.020	2.952	8.9	21.5
5 1	12 5.87	− 3 51.7	2.101	2.961	12.1	21.7
128518 2004 PE_{39}			3 28.7 219°.25		2°.3/30.5 17	
2 21	12 58.62	−10 25.9	1.737	2.525	16.4	20.7
3 2	12 53.78	−10 31.8	1.642	2.519	13.1	20.4
3 12	12 46.33	−10 20.7	1.569	2.511	9.1	20.2
3 22	12 36.88	− 9 53.4	1.521	2.504	4.8	19.9
4 1	12 26.42	− 9 13.5	1.500	2.496	2.4	19.7
4 11	12 16.22	− 8 27.1	1.506	2.487	6.2	19.9
4 21	12 7.41	− 7 41.1	1.540	2.477	10.6	20.2
5 1	12 0.88	− 7 2.3	1.596	2.468	14.6	20.4
133284 2003 SH_{22}			3 28.7 261°.81		4°.0/ 1.5 18	
2 21	12 54.41	−16 0.3	2.158	2.915	14.6	19.9
3 2	12 50.16	−16 17.4	2.051	2.901	12.0	19.7
3 12	12 43.79	−16 17.4	1.967	2.888	9.0	19.5
3 22	12 35.80	−15 59.9	1.906	2.874	5.8	19.3
4 1	12 26.97	−15 26.4	1.874	2.860	4.0	19.1
4 11	12 18.26	−14 41.2	1.869	2.846	5.6	19.2
4 21	12 10.59	−13 50.1	1.892	2.831	8.9	19.3
5 1	12 4.73	−12 59.6	1.940	2.817	12.2	19.5
207008 2004 TY_{282}			3 28.7 159°.68		5°.2/ 2.1 18	
2 21	12 57.48	−17 56.8	1.711	2.470	17.7	21.2
3 2	12 52.92	−18 17.0	1.625	2.474	14.7	20.9
3 12	12 45.75	−18 14.3	1.559	2.477	11.1	20.7
3 22	12 36.63	−17 48.1	1.516	2.481	7.4	20.5
4 1	12 26.60	−17 0.2	1.500	2.483	5.2	20.4
4 11	12 16.93	−15 56.8	1.510	2.486	6.7	20.5
4 21	12 8.75	−14 46.4	1.546	2.488	10.3	20.7
5 1	12 2.91	−13 38.0	1.606	2.489	13.9	20.9
310925 2003 ST_{175}			3 28.7 112°.35		2°.5/30.9 18	
2 21	12 57.93	−12 13.0	1.800	2.580	16.2	21.2
3 2	12 52.86	−12 8.0	1.728	2.598	12.9	21.0
3 12	12 45.45	−11 44.5	1.676	2.614	9.0	20.8
3 22	12 36.41	−11 4.4	1.650	2.631	4.9	20.6
4 1	12 26.74	−10 11.9	1.652	2.647	2.6	20.5
4 11	12 17.59	− 9 14.0	1.682	2.662	5.6	20.7
4 21	12 9.89	− 8 17.5	1.739	2.677	9.6	21.0
5 1	12 4.34	− 7 28.9	1.819	2.691	13.1	21.2
502610 2015 CY_{18}			3 28.7 175°.66		2°.4/31.1 17	
2 21	12 53.88	−12 12.3	2.066	2.844	14.5	21.6
3 2	12 49.65	−12 9.8	1.976	2.845	11.5	21.4
3 12	12 43.37	−11 51.0	1.909	2.846	8.1	21.1
3 22	12 35.59	−11 17.1	1.866	2.846	4.5	20.9
4 1	12 27.14	−10 31.6	1.852	2.846	2.5	20.8
4 11	12 18.97	− 9 39.9	1.866	2.846	5.2	21.0
4 21	12 11.94	− 8 48.1	1.907	2.846	8.8	21.2
5 1	12 6.73	− 8 2.1	1.973	2.846	12.2	21.4
466256 2013 JY_{16}			3 28.7 260°.78		7°.1/ 4.1 17	
2 21	12 54.94	−23 33.3	1.845	2.572	17.7	21.5
3 2	12 51.15	−23 59.4	1.735	2.554	15.2	21.3
3 12	12 44.77	−24 0.5	1.644	2.536	12.3	21.0
3 22	12 36.32	−23 33.5	1.575	2.517	9.3	20.8
4 1	12 26.72	−22 38.2	1.530	2.498	7.3	20.6
4 11	12 17.20	−21 19.1	1.512	2.479	7.8	20.6
4 21	12 8.94	−19 44.4	1.520	2.459	10.6	20.7
5 1	12 2.92	−18 4.9	1.552	2.439	14.1	20.9
168347 1995 UG_{13}			3 28.7 101°.09		0°.1/28.8 18	
2 21	12 56.83	− 6 8.8	1.730	2.537	15.7	20.8
3 2	12 52.02	− 5 42.5	1.662	2.554	12.1	20.6
3 12	12 44.90	− 5 1.5	1.617	2.570	7.8	20.3
3 22	12 36.18	− 4 10.0	1.597	2.586	3.2	20.1
4 1	12 26.88	− 3 13.9	1.605	2.602	1.5	20.0
4 11	12 18.12	− 2 20.4	1.641	2.618	6.1	20.3
4 21	12 10.82	− 1 35.7	1.703	2.633	10.3	20.6
5 1	12 5.67	− 1 4.2	1.788	2.648	13.9	20.9
62739 2000 TW_{62}			3 28.7 215°.35		2°.1/26.1 18	
2 21	12 52.01	+ 2 5.9	2.652	3.467	10.6	20.1
3 2	12 47.71	+ 2 42.0	2.563	3.462	8.0	19.9
3 12	12 41.86	+ 3 23.6	2.499	3.457	5.1	19.7
3 22	12 34.92	+ 4 6.7	2.464	3.452	2.5	19.5
4 1	12 27.49	+ 4 47.1	2.458	3.447	2.9	19.5
4 11	12 20.29	+ 5 20.3	2.482	3.441	5.7	19.7
4 21	12 13.94	+ 5 43.3	2.534	3.435	8.6	19.9
5 1	12 8.94	+ 5 53.9	2.609	3.429	11.2	20.1

368236 2001 UZ_{96} 3 28.7 205°.84 1°.8/26.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 55.52	+ 0 11.9	2.415	3.223	11.7	22.9
3 2	12 50.57	+ 0 53.1	2.322	3.217	8.9	22.7
3 12	12 43.80	+ 1 42.3	2.253	3.210	5.7	22.5
3 22	12 35.74	+ 2 35.1	2.213	3.202	2.5	22.2
4 1	12 27.08	+ 3 26.4	2.203	3.194	2.7	22.2
4 11	12 18.64	+ 4 11.0	2.222	3.185	6.0	22.4
4 21	12 11.17	+ 4 44.9	2.270	3.175	9.3	22.6
5 1	12 5.28	+ 5 5.3	2.342	3.164	12.3	22.8

234276 2000 WL_{102} 3 28.7 168°.85 5°.3/22.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 55.91	+12 17.9	2.415	3.239	11.2	21.4
3 2	12 50.76	+13 21.2	2.346	3.243	8.7	21.2
3 12	12 43.84	+14 23.7	2.302	3.247	6.4	21.1
3 22	12 35.71	+15 19.1	2.287	3.251	5.3	21.0
4 1	12 27.12	+16 1.7	2.300	3.253	6.3	21.1
4 11	12 18.88	+16 27.2	2.341	3.255	8.5	21.2
4 21	12 11.70	+16 34.0	2.408	3.257	11.0	21.4
5 1	12 6.14	+16 22.1	2.497	3.258	13.3	21.5

19405 1998 FT_{8} 3 28.7 321°.78 2°.0/27.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 57.09	+ 1 25.5	1.621	2.451	15.5	17.8
3 2	12 52.70	+ 1 27.7	1.533	2.438	11.9	17.6
3 12	12 45.67	+ 1 36.8	1.466	2.426	7.7	17.3
3 22	12 36.63	+ 1 48.7	1.424	2.415	3.3	17.0
4 1	12 26.62	+ 1 58.0	1.410	2.404	3.1	17.0
4 11	12 16.89	+ 1 59.6	1.422	2.393	7.6	17.2
4 21	12 8.62	+ 1 49.6	1.459	2.383	12.1	17.4
5 1	12 2.67	+ 1 25.9	1.518	2.374	16.1	17.7

335928 2007 TL_{17} 3 28.7 116°.27 2°.6/31.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 55.94	−12 32.3	2.436	3.198	13.0	21.2
3 2	12 50.82	−12 45.6	2.352	3.210	10.4	21.1
3 12	12 43.92	−12 45.6	2.292	3.222	7.4	20.9
3 22	12 35.76	−12 33.1	2.258	3.234	4.3	20.7
4 1	12 27.09	−12 10.2	2.254	3.245	2.6	20.6
4 11	12 18.73	−11 40.9	2.279	3.257	4.6	20.8
4 21	12 11.40	−11 9.6	2.332	3.267	7.6	21.0
5 1	12 5.67	−10 40.7	2.411	3.278	10.5	21.2

417075 2005 UT_{242} 3 28.7 55°.33 4°.5/25.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 59.12	+ 7 24.9	1.647	2.480	15.1	20.6
3 2	12 53.84	+ 7 51.0	1.585	2.492	11.5	20.4
3 12	12 46.09	+ 8 18.8	1.547	2.505	7.7	20.2
3 22	12 36.67	+ 8 42.0	1.534	2.517	4.8	20.0
4 1	12 26.68	+ 8 54.3	1.548	2.530	5.5	20.1
4 11	12 17.31	+ 8 51.2	1.590	2.542	8.9	20.3
4 21	12 9.56	+ 8 31.2	1.655	2.555	12.5	20.6
5 1	12 4.10	+ 7 54.4	1.743	2.569	15.7	20.8

370938 2005 RN_{1} 3 28.7 225°.83 1°.7/26.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 55.04	− 1 7.2	2.152	2.964	12.8	22.3
3 2	12 50.47	− 0 24.4	2.056	2.953	9.8	22.1
3 12	12 43.89	+ 0 28.5	1.985	2.942	6.3	21.8
3 22	12 35.83	+ 1 27.2	1.940	2.931	2.6	21.6
4 1	12 27.05	+ 2 25.7	1.925	2.918	2.7	21.5
4 11	12 18.49	+ 3 17.9	1.939	2.905	6.4	21.7
4 21	12 10.98	+ 3 58.8	1.980	2.891	10.2	21.9
5 1	12 5.22	+ 4 24.8	2.045	2.877	13.4	22.1

172545 2003 UX_{53} 3 28.7 154°.61 2°.1/30.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 57.70	−10 29.3	1.852	2.638	15.6	20.8
3 2	12 52.75	−10 29.4	1.769	2.643	12.4	20.6
3 12	12 45.47	−10 13.1	1.707	2.648	8.5	20.4
3 22	12 36.48	− 9 41.9	1.670	2.653	4.4	20.1
4 1	12 26.74	− 8 59.8	1.661	2.657	2.2	20.0
4 11	12 17.37	− 8 12.6	1.681	2.661	5.7	20.2
4 21	12 9.37	− 7 26.9	1.727	2.664	9.7	20.5
5 1	12 3.46	− 6 48.5	1.798	2.667	13.4	20.7

68180 2001 BB_{48} 3 28.7 169°.61 2°.3/31.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 55.27	−12 20.1	2.492	3.255	12.7	19.0
3 2	12 50.34	−12 21.5	2.399	3.259	10.1	18.8
3 12	12 43.64	−12 9.3	2.330	3.262	7.2	18.6
3 22	12 35.67	−11 44.7	2.287	3.265	4.1	18.4
4 1	12 27.14	−11 10.0	2.274	3.267	2.3	18.3
4 11	12 18.86	−10 29.7	2.290	3.268	4.5	18.5
4 21	12 11.55	− 9 48.3	2.335	3.270	7.6	18.7
5 1	12 5.80	− 9 10.6	2.405	3.270	10.6	18.8

363743 2004 XW_{121} 3 28.7 137°.39 0°.1/28.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 58.51	− 5 46.2	1.940	2.738	14.6	21.8
3 2	12 53.10	− 5 17.2	1.866	2.753	11.2	21.6
3 12	12 45.52	− 4 34.9	1.815	2.767	7.3	21.4
3 22	12 36.44	− 3 43.2	1.790	2.780	3.0	21.2
4 1	12 26.79	− 2 47.5	1.795	2.792	1.5	21.1
4 11	12 17.59	− 1 54.5	1.828	2.804	5.8	21.4
4 21	12 9.75	− 1 9.6	1.889	2.814	9.8	21.7
5 1	12 3.91	− 0 37.1	1.975	2.824	13.2	21.9

229649 2006 GC_{5} 3 28.7 342°.07 2°.6/26.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 51.92	+ 1 0.1	1.874	2.704	13.7	20.1
3 2	12 48.26	+ 1 50.9	1.795	2.703	10.4	19.9
3 12	12 42.51	+ 2 51.0	1.740	2.701	6.6	19.7
3 22	12 35.25	+ 3 54.5	1.710	2.700	3.2	19.4
4 1	12 27.36	+ 4 54.6	1.709	2.699	3.7	19.5
4 11	12 19.80	+ 5 44.3	1.735	2.697	7.4	19.7
4 21	12 13.45	+ 6 18.7	1.787	2.697	11.1	19.9
5 1	12 8.98	+ 6 35.3	1.860	2.696	14.4	20.1

211910 2004 PG_{105} 3 28.7 343°.56 17°.1/ 7.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	13 2.77	−31 10.3	1.168	1.885	26.5	20.1
3 2	12 59.20	−33 56.8	1.093	1.882	24.2	19.9
3 12	12 51.24	−36 14.5	1.033	1.880	21.5	19.7
3 22	12 39.38	−37 50.5	0.990	1.878	19.1	19.5
4 1	12 25.12	−38 33.6	0.964	1.876	17.4	19.4
4 11	12 10.86	−38 21.4	0.957	1.875	17.3	19.4
4 21	11 59.01	−37 21.9	0.968	1.874	18.6	19.4
5 1	11 51.36	−35 51.2	0.997	1.874	21.0	19.6

199291 2006 BB_{60} 3 28.7 322°.19 2°.7/30.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 54.19	−10 9.2	1.687	2.487	16.3	20.3
3 2	12 50.51	−10 31.9	1.591	2.473	13.1	20.0
3 12	12 44.29	−10 39.1	1.516	2.460	9.2	19.8
3 22	12 36.11	−10 31.1	1.465	2.447	5.0	19.5
4 1	12 26.90	−10 10.3	1.440	2.435	2.8	19.3
4 11	12 17.88	− 9 41.9	1.442	2.424	6.2	19.5
4 21	12 10.16	− 9 12.1	1.469	2.412	10.6	19.7
5 1	12 4.66	− 8 47.2	1.519	2.402	14.6	19.9

102634 1999 VD_{34} 3 28.7 151°.64 3°.1/24.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 55.10	+ 5 29.6	2.564	3.381	10.9	20.0
3 2	12 50.00	+ 6 14.9	2.491	3.390	8.2	19.8
3 12	12 43.30	+ 7 3.4	2.443	3.399	5.4	19.6
3 22	12 35.49	+ 7 50.5	2.424	3.407	3.3	19.5
4 1	12 27.27	+ 8 31.1	2.435	3.415	3.9	19.6
4 11	12 19.38	+ 9 1.3	2.476	3.422	6.5	19.7
4 21	12 12.47	+ 9 18.3	2.543	3.428	9.3	19.9
5 1	12 7.04	+ 9 21.1	2.635	3.434	11.7	20.1

213885 2003 SU_{270} 3 28.7 146°.36 2°.6/26.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 58.41	+ 1 38.8	1.858	2.677	14.2	20.9
3 2	12 53.13	+ 2 16.8	1.784	2.686	10.8	20.7
3 12	12 45.61	+ 3 2.6	1.735	2.694	6.9	20.5
3 22	12 36.50	+ 3 50.5	1.712	2.701	3.3	20.2
4 1	12 26.77	+ 4 34.1	1.718	2.708	3.6	20.3
4 11	12 17.51	+ 5 7.6	1.752	2.714	7.4	20.5
4 21	12 9.63	+ 5 26.8	1.812	2.720	11.1	20.8
5 1	12 3.82	+ 5 29.8	1.895	2.725	14.4	21.0

87810 2000 SE_{145} 3 28.7 186°.89 0°.4/29.1 17 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 55.20	− 6 36.3	2.395	3.184	12.4	21.1
3 2	12 50.34	− 6 17.5	2.302	3.183	9.6	20.9
3 12	12 43.66	− 5 47.2	2.234	3.182	6.3	20.6
3 22	12 35.70	− 5 8.1	2.192	3.181	2.7	20.4
4 1	12 27.16	− 4 24.1	2.181	3.179	1.2	20.3
4 11	12 18.86	− 3 40.0	2.200	3.176	4.9	20.5
4 21	12 11.56	− 3 0.5	2.246	3.173	8.3	20.7
5 1	12 5.84	− 2 29.6	2.318	3.169	11.4	20.9

76997 2001 BG_{80} 3 28.7 114°.60 0°.8/27.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 55.60	− 6 9.6	1.928	2.731	14.5	19.6
3 2	12 50.80	− 4 58.5	1.862	2.753	11.0	19.4
3 12	12 43.98	− 3 32.2	1.820	2.775	7.0	19.2
3 22	12 35.79	− 1 56.7	1.805	2.796	2.7	19.0
4 1	12 27.15	− 0 19.7	1.820	2.816	2.0	19.0
4 11	12 19.02	+ 1 10.3	1.864	2.836	6.1	19.3
4 21	12 12.21	+ 2 26.8	1.936	2.854	10.0	19.6
5 1	12 7.30	+ 3 25.4	2.032	2.872	13.2	19.8

127655 2003 DJ_{8} 3 28.7 234°.52 4°.1/22.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 49.42	+ 6 51.5	2.610	3.439	10.3	19.6
3 2	12 45.83	+ 8 25.9	2.524	3.430	7.8	19.4
3 12	12 40.71	+10 5.5	2.466	3.421	5.4	19.3
3 22	12 34.49	+11 43.8	2.437	3.412	4.1	19.2
4 1	12 27.76	+13 14.0	2.438	3.402	5.2	19.2
4 11	12 21.23	+14 30.1	2.468	3.392	7.7	19.4
4 21	12 15.51	+15 28.3	2.525	3.382	10.3	19.5
5 1	12 11.13	+16 6.8	2.603	3.372	12.6	19.7

420311 2011 YB_{60} 3 28.7 122°.28 3°.7/25.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 55.80	+ 3 6.6	1.718	2.549	14.7	21.8
3 2	12 51.29	+ 4 11.3	1.652	2.559	11.1	21.6
3 12	12 44.47	+ 5 23.8	1.609	2.569	7.2	21.4
3 22	12 36.05	+ 6 36.8	1.592	2.579	4.0	21.2
4 1	12 27.02	+ 7 42.1	1.604	2.588	4.9	21.3
4 11	12 18.49	+ 8 32.2	1.643	2.597	8.5	21.5
4 21	12 11.41	+ 9 3.0	1.706	2.605	12.2	21.8
5 1	12 6.44	+ 9 12.8	1.791	2.613	15.5	22.0

501043 2013 RM_{82} 3 28.7 236°.50 1°.5/30.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 53.28	−12 12.5	2.323	3.095	13.2	23.9
3 2	12 49.10	−11 31.6	2.211	3.078	10.5	23.6
3 12	12 43.01	−10 32.5	2.122	3.061	7.3	23.4
3 22	12 35.49	− 9 17.4	2.060	3.044	3.7	23.1
4 1	12 27.25	− 7 50.9	2.028	3.025	1.6	22.9
4 11	12 19.15	− 6 19.7	2.026	3.006	4.9	23.1
4 21	12 11.99	− 4 50.8	2.053	2.986	8.7	23.3
5 1	12 6.45	− 3 31.1	2.106	2.965	12.1	23.5

149911 2005 SE_{69} 3 28.7 275°.04 1°.3/29.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 53.44	− 9 2.3	1.777	2.578	15.5	21.0
3 2	12 49.70	− 8 47.3	1.685	2.571	12.2	20.7
3 12	12 43.62	− 8 15.2	1.614	2.563	8.3	20.5
3 22	12 35.79	− 7 28.3	1.569	2.555	3.9	20.2
4 1	12 27.11	− 6 31.4	1.550	2.548	1.7	20.0
4 11	12 18.70	− 5 31.6	1.559	2.540	5.9	20.3
4 21	12 11.55	− 4 36.2	1.594	2.532	10.3	20.5
5 1	12 6.45	− 3 51.2	1.652	2.525	14.2	20.7

264483 2001 OZ_{37} 3 28.7 138°.52 5°.8/22.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 56.70	+11 33.6	2.051	2.881	12.7	20.9
3 2	12 51.61	+12 44.7	1.990	2.892	9.8	20.7
3 12	12 44.50	+13 55.3	1.954	2.902	7.2	20.6
3 22	12 36.02	+14 58.0	1.945	2.912	5.8	20.5
4 1	12 27.05	+15 45.8	1.964	2.921	6.9	20.6
4 11	12 18.55	+16 13.9	2.010	2.929	9.5	20.8
4 21	12 11.33	+16 20.6	2.081	2.937	12.2	21.0
5 1	12 5.98	+16 6.3	2.173	2.945	14.7	21.2

438425 2006 VK_{108} 3 28.7 163°.83 2°.1/31.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 51.34	−12 47.1	2.634	3.400	12.0	22.0
3 2	12 47.27	−12 36.5	2.541	3.402	9.6	21.8
3 12	12 41.62	−12 12.1	2.471	3.404	6.8	21.6
3 22	12 34.86	−11 35.4	2.428	3.406	3.8	21.4
4 1	12 27.61	−10 49.4	2.414	3.408	2.1	21.3
4 11	12 20.59	− 9 58.4	2.430	3.410	4.2	21.5
4 21	12 14.43	− 9 7.2	2.474	3.411	7.2	21.7
5 1	12 9.66	− 8 20.3	2.544	3.412	10.0	21.8

473736 2016 CB_{261} 3 28.7 302°.76 4°.0/ 1.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 49.96	−16 54.6	1.716	2.493	17.0	20.9
3 2	12 47.28	−16 40.6	1.614	2.477	14.0	20.6
3 12	12 42.20	−16 1.3	1.532	2.461	10.4	20.3
3 22	12 35.26	−14 56.9	1.472	2.446	6.5	20.1
4 1	12 27.37	−13 31.1	1.439	2.430	4.0	19.9
4 11	12 19.67	−11 51.8	1.433	2.415	6.1	20.0
4 21	12 13.22	−10 9.0	1.452	2.400	10.3	20.2
5 1	12 8.88	− 8 33.1	1.495	2.385	14.4	20.4

370933 2005 QU_{122} 3 28.7 107°.54 0°.6/28.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 53.34	− 4 59.0	1.784	2.599	14.9	21.3
3 2	12 49.43	− 4 18.2	1.707	2.604	11.5	21.0
3 12	12 43.31	− 3 22.8	1.652	2.609	7.4	20.8
3 22	12 35.61	− 2 17.5	1.623	2.614	2.9	20.5
4 1	12 27.25	− 1 9.1	1.622	2.619	1.9	20.5
4 11	12 19.30	− 0 5.1	1.649	2.624	6.4	20.8
4 21	12 12.65	+ 0 47.9	1.701	2.628	10.5	21.0
5 1	12 8.00	+ 1 25.4	1.777	2.633	14.1	21.3

428362 2007 RW_{64} 3 28.7 163°.41 0°.5/28.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 52.40	− 4 19.3	2.479	3.279	11.7	22.2
3 2	12 48.10	− 3 43.7	2.394	3.283	8.9	22.0
3 12	12 42.16	− 2 58.0	2.333	3.287	5.7	21.8
3 22	12 35.08	− 2 5.7	2.300	3.290	2.3	21.6
4 1	12 27.52	− 1 11.2	2.297	3.293	1.5	21.5
4 11	12 20.23	− 0 19.8	2.323	3.296	5.0	21.7
4 21	12 13.86	+ 0 24.2	2.377	3.298	8.3	21.9
5 1	12 8.96	+ 0 57.4	2.457	3.300	11.1	22.1

480410 2015 KK_{90} 3 28.7 277°.33 3°.9/24.0 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 51.80	+ 7 7.3	2.421	3.249	11.1	21.4
3 2	12 47.82	+ 8 0.0	2.327	3.231	8.5	21.2
3 12	12 42.09	+ 8 56.3	2.257	3.213	5.8	21.0
3 22	12 35.10	+ 9 51.1	2.215	3.195	4.0	20.8
4 1	12 27.49	+10 38.5	2.203	3.176	4.9	20.8
4 11	12 20.06	+11 13.6	2.218	3.158	7.5	21.0
4 21	12 13.52	+11 33.0	2.259	3.139	10.5	21.1
5 1	12 8.48	+11 35.3	2.323	3.120	13.1	21.3

239726 2009 BZ_{114} 3 28.7 167°.27 0°.5/28.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 52.70	− 3 47.2	2.335	3.139	12.2	21.1
3 2	12 48.45	− 3 22.0	2.249	3.141	9.3	20.9
3 12	12 42.45	− 2 47.0	2.187	3.142	6.0	20.7
3 22	12 35.22	− 2 5.4	2.152	3.143	2.4	20.4
4 1	12 27.46	− 1 21.7	2.147	3.144	1.5	20.3
4 11	12 19.98	− 0 40.9	2.171	3.145	5.2	20.6
4 21	12 13.47	− 0 7.2	2.222	3.145	8.6	20.8
5 1	12 8.52	+ 0 16.0	2.298	3.146	11.6	21.0

87668 2000 RT_{98} 3 28.7 196°.71 5°.0/ 3.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 54.42	−21 46.7	2.401	3.118	14.3	19.9
3 2	12 49.95	−21 53.5	2.299	3.115	12.0	19.7
3 12	12 43.54	−21 40.4	2.217	3.112	9.4	19.5
3 22	12 35.71	−21 6.9	2.161	3.108	6.8	19.3
4 1	12 27.20	−20 14.2	2.132	3.104	5.1	19.2
4 11	12 18.91	−19 7.0	2.131	3.099	5.8	19.3
4 21	12 11.63	−17 51.3	2.158	3.094	8.1	19.4
5 1	12 6.03	−16 34.3	2.211	3.088	10.9	19.6

508757 2017 UH_{38} 3 28.7 242°.93 3°.9/24.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 55.08	+ 8 35.9	2.424	3.247	11.2	20.9
3 2	12 50.17	+ 9 5.6	2.344	3.245	8.6	20.7
3 12	12 43.51	+ 9 36.0	2.290	3.244	5.9	20.5
3 22	12 35.64	+10 2.6	2.264	3.242	4.0	20.4
4 1	12 27.27	+10 20.7	2.266	3.241	4.7	20.4
4 11	12 19.22	+10 26.6	2.297	3.239	7.2	20.6
4 21	12 12.17	+10 18.7	2.355	3.238	10.0	20.8
5 1	12 6.70	+ 9 56.3	2.436	3.236	12.5	20.9

241507 2009 CM_{60} 3 28.7 293°.99 2°.9/25.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 49.06	+ 1 15.9	2.147	2.976	12.2	20.4
3 2	12 45.88	+ 2 33.7	2.061	2.969	9.2	20.1
3 12	12 40.90	+ 4 1.4	2.000	2.961	5.9	19.9
3 22	12 34.62	+ 5 32.8	1.966	2.953	3.2	19.7
4 1	12 27.76	+ 7 0.4	1.961	2.946	4.1	19.8
4 11	12 21.13	+ 8 17.0	1.985	2.938	7.3	20.0
4 21	12 15.50	+ 9 17.1	2.034	2.931	10.7	20.2
5 1	12 11.44	+ 9 57.6	2.107	2.924	13.6	20.3

65797 1995 YL 3 28.7 73°.35 4°.0/ 1.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 54.63	−16 48.0	1.915	2.676	16.0	19.2
3 2	12 50.26	−16 52.3	1.844	2.696	13.0	19.0
3 12	12 43.75	−16 36.1	1.794	2.716	9.6	18.9
3 22	12 35.76	−16 0.2	1.768	2.736	6.1	18.7
4 1	12 27.22	−15 8.1	1.769	2.756	4.0	18.6
4 11	12 19.14	−14 5.9	1.798	2.776	5.6	18.7
4 21	12 12.40	−13 0.9	1.854	2.796	8.8	19.0
5 1	12 7.63	−12 0.0	1.934	2.816	12.0	19.2

139509 2001 PC_{47} 3 28.7 159°.95 0°.4/29.2 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 55.49	− 7 13.0	2.263	3.053	13.0	21.8
3 2	12 50.61	− 6 46.8	2.178	3.060	10.1	21.6
3 12	12 43.86	− 6 7.8	2.117	3.066	6.6	21.4
3 22	12 35.80	− 5 19.1	2.083	3.072	2.9	21.1
4 1	12 27.19	− 4 25.2	2.079	3.077	1.2	21.0
4 11	12 18.90	− 3 31.6	2.104	3.081	5.0	21.3
4 21	12 11.69	− 2 43.5	2.157	3.085	8.6	21.5
5 1	12 6.15	− 2 5.2	2.236	3.088	11.7	21.7

323416 2004 EE_{1} 3 28.7 174°.25 5°.9/26.3 17 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	13 15.12	+10 9.7	1.231	2.057	19.7	20.2
3 2	13 7.28	+10 9.1	1.159	2.059	15.4	19.9
3 12	12 55.48	+10 5.3	1.107	2.061	10.6	19.7
3 22	12 40.73	+ 9 50.4	1.080	2.062	6.5	19.4
4 1	12 24.76	+ 9 17.5	1.079	2.062	7.0	19.5
4 11	12 9.66	+ 8 23.3	1.106	2.062	11.4	19.7
4 21	11 57.15	+ 7 9.4	1.157	2.062	16.3	20.0
5 1	11 48.31	+ 5 39.6	1.228	2.061	20.6	20.2

35996 1999 NN_{20} 3 28.7 327°.03 1°.6/29.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 51.41	− 8 7.5	1.468	2.289	17.3	18.8
3 2	12 48.73	− 8 12.2	1.373	2.270	13.7	18.6
3 12	12 43.34	− 7 59.2	1.299	2.252	9.4	18.3
3 22	12 35.81	− 7 30.4	1.247	2.235	4.5	17.9
4 1	12 27.13	− 6 49.9	1.221	2.218	2.0	17.7
4 11	12 18.63	− 6 5.1	1.220	2.203	6.8	18.0
4 21	12 11.55	− 5 23.7	1.243	2.188	11.8	18.2
5 1	12 6.88	− 4 52.7	1.287	2.175	16.4	18.4

248373 2005 RT_{7} 3 28.7 176°.83 1°.7/30.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 54.06	− 9 55.1	2.690	3.461	11.6	20.3
3 2	12 49.31	−10 2.0	2.595	3.462	9.2	20.1
3 12	12 42.94	− 9 58.1	2.525	3.463	6.4	19.9
3 22	12 35.42	− 9 44.6	2.482	3.463	3.4	19.7
4 1	12 27.38	− 9 23.6	2.468	3.464	1.8	19.6
4 11	12 19.55	− 8 58.7	2.485	3.464	4.2	19.8
4 21	12 12.58	− 8 33.6	2.530	3.464	7.2	19.9
5 1	12 7.02	− 8 11.9	2.601	3.463	10.0	20.1

46833 1998 QB_{8} 3 28.7 241°.46 1°.8/30.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 54.01	−11 15.5	1.889	2.677	15.3	19.6
3 2	12 50.08	−10 53.1	1.789	2.666	12.2	19.3
3 12	12 43.86	−10 11.7	1.711	2.654	8.4	19.1
3 22	12 35.91	− 9 13.3	1.658	2.642	4.3	18.8
4 1	12 27.11	− 8 2.5	1.633	2.630	1.9	18.6
4 11	12 18.51	− 6 46.5	1.636	2.617	5.7	18.8
4 21	12 11.10	− 5 33.3	1.666	2.604	10.0	19.0
5 1	12 5.66	− 4 29.9	1.720	2.591	13.8	19.2

467440 2006 AV_{51} 3 28.7 181°.06 2°.3/26.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 53.15	+ 0 21.7	2.036	2.858	13.1	21.9
3 2	12 49.04	+ 1 13.3	1.956	2.859	9.9	21.7
3 12	12 42.95	+ 2 14.2	1.899	2.859	6.3	21.5
3 22	12 35.46	+ 3 18.8	1.870	2.859	2.9	21.2
4 1	12 27.37	+ 4 20.8	1.869	2.859	3.3	21.3
4 11	12 19.60	+ 5 13.6	1.896	2.858	6.9	21.5
4 21	12 12.97	+ 5 52.5	1.950	2.858	10.5	21.7
5 1	12 8.10	+ 6 14.7	2.026	2.857	13.6	21.9

273634 2007 DA_{48} 3 28.7 79°.93 1°.3/29.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 56.09	− 8 16.5	1.778	2.577	15.6	21.2
3 2	12 51.52	− 8 13.4	1.704	2.589	12.2	21.0
3 12	12 44.66	− 7 55.2	1.652	2.600	8.2	20.7
3 22	12 36.17	− 7 24.4	1.625	2.612	3.9	20.5
4 1	12 27.04	− 6 45.4	1.626	2.623	1.7	20.4
4 11	12 18.36	− 6 4.4	1.655	2.635	5.7	20.7
4 21	12 11.07	− 5 27.2	1.710	2.647	9.8	20.9
5 1	12 5.88	− 4 59.0	1.788	2.658	13.4	21.2

33863 Elfriederwin 3 28.7 258°.37 4°.9/24.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 58.29	+ 5 55.4	1.610	2.445	15.3	19.5
3 2	12 53.74	+ 6 48.7	1.520	2.429	11.8	19.3
3 12	12 46.44	+ 7 49.0	1.453	2.412	8.0	19.0
3 22	12 37.03	+ 8 48.6	1.411	2.394	5.1	18.8
4 1	12 26.56	+ 9 38.7	1.396	2.376	6.1	18.8
4 11	12 16.34	+10 11.2	1.408	2.358	10.0	19.0
4 21	12 7.58	+10 21.7	1.443	2.340	14.2	19.1
5 1	12 1.22	+10 8.8	1.499	2.321	18.0	19.3

463688 2014 OV_{230} 3 28.7 155°.74 2°.9/25.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 55.39	+ 1 32.3	2.147	2.964	12.7	21.9
3 2	12 50.57	+ 2 44.6	2.073	2.973	9.5	21.7
3 12	12 43.84	+ 4 5.3	2.024	2.982	6.1	21.5
3 22	12 35.80	+ 5 28.0	2.003	2.990	3.2	21.3
4 1	12 27.23	+ 6 45.7	2.012	2.997	3.9	21.4
4 11	12 19.04	+ 7 51.7	2.050	3.003	7.2	21.6
4 21	12 11.99	+ 8 41.4	2.115	3.009	10.5	21.8
5 1	12 6.69	+ 9 12.6	2.204	3.013	13.4	22.0

342894 2008 YP_{100} 3 28.7 160°.30 1°.2/27.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 52.43	− 1 48.8	2.459	3.267	11.5	21.2
3 2	12 48.13	− 1 9.9	2.376	3.271	8.7	21.0
3 12	12 42.20	− 0 22.4	2.318	3.275	5.6	20.9
3 22	12 35.12	+ 0 29.8	2.288	3.279	2.3	20.6
4 1	12 27.57	+ 1 21.8	2.288	3.282	2.1	20.6
4 11	12 20.29	+ 2 8.7	2.317	3.285	5.4	20.8
4 21	12 13.96	+ 2 46.4	2.373	3.287	8.6	21.0
5 1	12 9.09	+ 3 12.0	2.454	3.289	11.4	21.2

428915 2008 VX_{69} 3 28.7 111°.07 1°.1/29.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 52.41	− 9 25.5	2.177	2.966	13.5	21.7
3 2	12 48.34	− 8 59.3	2.096	2.975	10.5	21.5
3 12	12 42.43	− 8 18.5	2.038	2.984	7.1	21.3
3 22	12 35.23	− 7 25.8	2.006	2.992	3.3	21.1
4 1	12 27.52	− 6 25.9	2.003	3.001	1.4	21.0
4 11	12 20.13	− 5 24.8	2.030	3.009	4.9	21.2
4 21	12 13.83	− 4 28.2	2.083	3.017	8.5	21.5
5 1	12 9.18	− 3 41.0	2.162	3.025	11.6	21.7

457641 2009 BX_{174} 3 28.7 54°.30 1°.2/27.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 54.58	− 4 6.4	1.299	2.134	18.3	21.6
3 2	12 50.95	− 3 22.6	1.242	2.150	13.9	21.3
3 12	12 44.52	− 2 21.8	1.205	2.167	8.9	21.1
3 22	12 36.15	− 1 10.7	1.192	2.184	3.5	20.8
4 1	12 27.09	+ 0 1.4	1.204	2.201	2.7	20.8
4 11	12 18.74	+ 1 4.6	1.242	2.218	7.9	21.2
4 21	12 12.21	+ 1 51.5	1.304	2.236	12.6	21.5
5 1	12 8.24	+ 2 18.1	1.387	2.254	16.7	21.8

499130 2009 PN_{9} 3 28.7 229°.55 0°.5/29.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 55.80	− 6 39.3	2.120	2.914	13.6	23.0
3 2	12 51.15	− 6 22.9	2.020	2.904	10.6	22.8
3 12	12 44.42	− 5 53.6	1.943	2.893	7.1	22.6
3 22	12 36.12	− 5 13.9	1.893	2.882	3.1	22.3
4 1	12 27.05	− 4 28.0	1.872	2.870	1.3	22.1
4 11	12 18.18	− 3 41.5	1.880	2.857	5.5	22.4
4 21	12 10.38	− 2 59.8	1.915	2.844	9.4	22.6
5 1	12 4.38	− 2 27.7	1.975	2.831	12.9	22.8

309241 2007 RC_{17} 3 28.7 224°.89 9°.6/ 3.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	13 7.38	−23 24.0	1.749	2.459	19.1	20.4
3 2	13 1.13	−25 13.6	1.652	2.454	16.6	20.2
3 12	12 51.58	−26 44.9	1.575	2.449	13.8	20.0
3 22	12 39.29	−27 51.0	1.521	2.444	11.2	19.8
4 1	12 25.40	−28 27.0	1.492	2.438	9.7	19.7
4 11	12 11.50	−28 32.8	1.490	2.433	10.3	19.8
4 21	11 59.15	−28 13.5	1.514	2.426	12.6	19.9
5 1	11 49.60	−27 38.4	1.560	2.420	15.5	20.0

459590 2013 GQ_{130} 3 28.7 334°.53 0°.6/28.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 54.84	− 2 27.0	1.195	2.039	19.0	20.5
3 2	12 51.87	− 2 35.6	1.113	2.026	14.8	20.2
3 12	12 45.64	− 2 31.2	1.051	2.014	9.7	19.9
3 22	12 36.83	− 2 17.1	1.011	2.002	4.0	19.5
4 1	12 26.68	− 1 59.4	0.994	1.992	2.3	19.3
4 11	12 16.86	− 1 45.3	1.002	1.983	8.4	19.7
4 21	12 8.89	− 1 41.3	1.032	1.974	14.0	19.9
5 1	12 3.86	− 1 52.0	1.081	1.967	18.9	20.2

314658 2006 PC_{3} 3 28.7 233°.41 1°.8/30.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 57.53	− 9 15.7	1.819	2.610	15.6	20.9
3 2	12 52.86	− 9 19.4	1.723	2.602	12.4	20.7
3 12	12 45.73	− 9 7.5	1.649	2.593	8.5	20.4
3 22	12 36.71	− 8 41.5	1.600	2.584	4.3	20.2
4 1	12 26.76	− 8 4.8	1.578	2.575	2.0	20.0
4 11	12 17.03	− 7 23.3	1.585	2.565	5.9	20.2
4 21	12 8.59	− 6 43.3	1.618	2.555	10.3	20.4
5 1	12 2.30	− 6 10.7	1.675	2.545	14.2	20.7

37288 2000 YU_{121} 3 28.7 157°.30 4°.1/23.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 53.96	+ 7 23.5	2.465	3.289	11.0	19.9
3 2	12 49.25	+ 8 37.2	2.395	3.297	8.4	19.8
3 12	12 42.89	+ 9 53.9	2.351	3.305	5.7	19.6
3 22	12 35.40	+11 7.5	2.335	3.312	4.1	19.5
4 1	12 27.46	+12 11.9	2.350	3.318	5.1	19.6
4 11	12 19.85	+13 2.0	2.393	3.324	7.6	19.7
4 21	12 13.22	+13 34.9	2.462	3.329	10.2	19.9
5 1	12 8.11	+13 49.6	2.555	3.333	12.6	20.1

220285 2003 BS_{69} 3 28.7 325°.38 2°.5/26.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 52.68	+ 0 0.4	1.546	2.383	15.7	19.7
3 2	12 49.39	+ 0 39.5	1.464	2.374	12.0	19.4
3 12	12 43.56	+ 1 30.4	1.403	2.366	7.7	19.2
3 22	12 35.84	+ 2 27.2	1.367	2.357	3.4	18.9
4 1	12 27.21	+ 3 22.1	1.357	2.350	3.7	18.9
4 11	12 18.93	+ 4 7.0	1.373	2.342	8.2	19.1
4 21	12 12.08	+ 4 35.9	1.414	2.335	12.6	19.3
5 1	12 7.48	+ 4 45.4	1.475	2.329	16.6	19.6

496378 2013 SH_{71} 3 28.7 199°.88 4°.5/ 2.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 56.92	−18 35.9	2.404	3.134	13.9	22.0
3 2	12 51.87	−18 57.0	2.301	3.131	11.6	21.8
3 12	12 44.81	−19 1.1	2.221	3.127	8.9	21.6
3 22	12 36.27	−18 47.7	2.165	3.122	6.2	21.4
4 1	12 27.00	−18 17.7	2.138	3.116	4.5	21.3
4 11	12 17.90	−17 34.9	2.140	3.110	5.5	21.4
4 21	12 9.82	−16 44.5	2.170	3.104	8.2	21.5
5 1	12 3.44	−15 52.6	2.225	3.097	11.1	21.7

332759 2009 UB_{77} 3 28.7 214°.33 3°.4/ 1.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 52.24	−17 9.5	2.089	2.846	15.0	21.6
3 2	12 48.49	−16 44.9	1.991	2.842	12.2	21.4
3 12	12 42.70	−15 58.5	1.913	2.837	9.0	21.2
3 22	12 35.42	−14 51.5	1.861	2.832	5.6	21.0
4 1	12 27.43	−13 27.6	1.837	2.827	3.4	20.8
4 11	12 19.70	−11 53.7	1.841	2.821	5.3	20.9
4 21	12 13.08	−10 18.1	1.873	2.815	8.8	21.1
5 1	12 8.25	− 8 48.8	1.931	2.809	12.2	21.3

410359 2007 VL_{51} 3 28.7 251°.77 2°.9/31.2 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 55.34	−12 54.5	1.720	2.505	16.7	22.0
3 2	12 51.39	−12 52.1	1.621	2.493	13.4	21.7
3 12	12 44.89	−12 29.4	1.543	2.481	9.6	21.4
3 22	12 36.41	−11 47.0	1.488	2.468	5.4	21.2
4 1	12 26.91	−10 48.5	1.461	2.455	3.0	21.0
4 11	12 17.60	− 9 40.8	1.461	2.442	6.2	21.1
4 21	12 9.61	− 8 32.3	1.487	2.429	10.6	21.4
5 1	12 3.85	− 7 31.1	1.536	2.415	14.7	21.6

295024 2008 ET_{73} 3 28.7 290°.02 1°.3/26.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 45.43	+ 2 10.2	4.351	5.161	6.9	20.7
3 2	12 42.19	+ 2 37.1	4.261	5.158	5.1	20.5
3 12	12 38.08	+ 3 7.1	4.198	5.155	3.3	20.4
3 22	12 33.39	+ 3 37.8	4.164	5.152	1.6	20.3
4 1	12 28.46	+ 4 6.9	4.161	5.149	1.8	20.3
4 11	12 23.65	+ 4 32.1	4.187	5.146	3.6	20.4
4 21	12 19.29	+ 4 51.5	4.243	5.143	5.5	20.5
5 1	12 15.68	+ 5 3.8	4.324	5.140	7.2	20.7

231756 1999 TP_{269} 3 28.7 184°.85 4°.7/ 2.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 55.21	−19 25.1	2.352	3.083	14.2	20.9
3 2	12 50.57	−19 43.5	2.255	3.083	11.8	20.7
3 12	12 43.97	−19 44.0	2.179	3.083	9.1	20.5
3 22	12 35.93	−19 25.9	2.128	3.082	6.4	20.4
4 1	12 27.20	−18 50.7	2.104	3.081	4.7	20.3
4 11	12 18.70	−18 2.2	2.109	3.080	5.6	20.3
4 21	12 11.23	−17 6.1	2.142	3.078	8.2	20.5
5 1	12 5.46	−16 8.7	2.200	3.076	11.0	20.6

191870 2004 XT_{76} 3 28.7 167°.60 0°.8/27.8 17 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 53.65	− 3 26.2	2.375	3.178	12.1	20.8
3 2	12 49.14	− 2 48.6	2.290	3.182	9.2	20.6
3 12	12 42.90	− 2 0.9	2.230	3.185	5.9	20.4
3 22	12 35.44	− 1 7.0	2.197	3.188	2.3	20.2
4 1	12 27.47	− 0 11.7	2.195	3.191	1.8	20.1
4 11	12 19.79	+ 0 39.7	2.221	3.193	5.3	20.4
4 21	12 13.09	+ 1 22.5	2.276	3.194	8.7	20.6
5 1	12 7.95	+ 1 53.4	2.355	3.195	11.6	20.8

267452 2002 DE_{14} 3 28.7 236°.92 3°.6/31.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 57.49	−14 9.7	2.206	2.964	14.3	20.5
3 2	12 52.50	−14 34.9	2.101	2.954	11.6	20.3
3 12	12 45.34	−14 45.1	2.019	2.944	8.6	20.1
3 22	12 36.54	−14 40.1	1.962	2.933	5.4	19.8
4 1	12 26.89	−14 21.2	1.933	2.921	3.6	19.7
4 11	12 17.37	−13 52.0	1.933	2.909	5.5	19.8
4 21	12 8.91	−13 17.7	1.961	2.897	8.8	20.0
5 1	12 2.26	−12 43.7	2.014	2.885	12.1	20.1

327807 2006 VP_{29} 3 28.7 45°.46 2°.3/26.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 56.19	+ 0 20.5	1.412	2.249	17.0	20.5
3 2	12 51.97	+ 0 48.0	1.354	2.265	12.9	20.3
3 12	12 45.09	+ 1 25.5	1.318	2.281	8.2	20.1
3 22	12 36.38	+ 2 6.8	1.307	2.298	3.5	19.8
4 1	12 27.04	+ 2 44.4	1.321	2.315	3.5	19.9
4 11	12 18.39	+ 3 11.6	1.362	2.332	8.0	20.2
4 21	12 11.47	+ 3 23.7	1.426	2.350	12.4	20.5
5 1	12 7.01	+ 3 18.8	1.511	2.369	16.1	20.7

257325 2009 HN_{99} 3 28.7 153°.47 1°.4/30.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 54.63	−10 40.1	1.911	2.700	15.1	21.4
3 2	12 50.35	−10 8.1	1.828	2.706	11.9	21.2
3 12	12 43.90	− 9 17.9	1.767	2.711	8.1	21.0
3 22	12 35.90	− 8 12.5	1.731	2.716	3.9	20.7
4 1	12 27.25	− 6 57.4	1.724	2.721	1.6	20.6
4 11	12 18.97	− 5 40.0	1.745	2.725	5.5	20.8
4 21	12 11.95	− 4 27.9	1.794	2.729	9.5	21.1
5 1	12 6.87	− 3 27.2	1.867	2.732	13.1	21.3

37176 2000 WB_{42} 3 28.7 2°.89 0°.2/28.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 53.08	− 6 9.5	1.801	2.613	15.0	19.5
3 2	12 49.30	− 5 46.3	1.719	2.612	11.6	19.3
3 12	12 43.30	− 5 8.4	1.658	2.612	7.6	19.0
3 22	12 35.69	− 4 19.6	1.623	2.612	3.2	18.8
4 1	12 27.36	− 3 25.2	1.615	2.613	1.5	18.6
4 11	12 19.37	− 2 32.1	1.635	2.613	6.0	18.9
4 21	12 12.65	− 1 46.7	1.680	2.614	10.2	19.2
5 1	12 7.91	− 1 13.9	1.749	2.614	13.9	19.4

105553 2000 RA_{50} 3 28.7 244°.14 6°.1/22.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 58.34	+16 44.5	2.439	3.257	11.3	18.2
3 2	12 52.65	+17 19.6	2.365	3.254	9.0	18.0
3 12	12 45.13	+17 49.7	2.316	3.251	7.0	17.9
3 22	12 36.34	+18 9.4	2.295	3.248	6.1	17.8
4 1	12 27.07	+18 13.8	2.302	3.245	6.9	17.9
4 11	12 18.18	+18 0.3	2.337	3.242	9.0	18.0
4 21	12 10.40	+17 28.3	2.398	3.239	11.3	18.1
5 1	12 4.32	+16 39.3	2.480	3.236	13.5	18.3

433076 2012 TG_{58} 3 28.7 203°.86 3°.4/25.0 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 54.00	+ 5 54.2	2.291	3.116	11.7	21.3
3 2	12 49.48	+ 6 32.6	2.212	3.115	8.9	21.1
3 12	12 43.15	+ 7 14.4	2.157	3.114	5.9	20.9
3 22	12 35.56	+ 7 54.5	2.130	3.113	3.6	20.8
4 1	12 27.44	+ 8 27.8	2.131	3.112	4.3	20.8
4 11	12 19.63	+ 8 49.7	2.161	3.110	7.1	21.0
4 21	12 12.85	+ 8 57.5	2.217	3.109	10.1	21.1
5 1	12 7.69	+ 8 50.2	2.296	3.107	12.9	21.3

223280 2003 HH_{9} 3 28.7 299°.82 4°.0/25.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 59.49	+ 6 40.8	1.795	2.622	14.3	19.9
3 2	12 54.19	+ 7 0.6	1.716	2.619	11.0	19.6
3 12	12 46.45	+ 7 22.7	1.660	2.617	7.3	19.4
3 22	12 36.98	+ 7 41.7	1.630	2.614	4.3	19.2
4 1	12 26.75	+ 7 51.7	1.628	2.612	4.9	19.3
4 11	12 16.95	+ 7 48.2	1.654	2.609	8.4	19.5
4 21	12 8.57	+ 7 29.0	1.705	2.607	12.1	19.7
5 1	12 2.38	+ 6 53.8	1.779	2.605	15.4	19.9

11126 Doleček 3 28.7 192°.13 4°.6/23.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 54.99	+ 8 48.0	2.255	3.082	11.8	19.0
3 2	12 50.27	+ 9 48.0	2.178	3.081	9.1	18.8
3 12	12 43.69	+10 50.2	2.126	3.079	6.3	18.7
3 22	12 35.80	+11 48.4	2.102	3.077	4.7	18.6
4 1	12 27.35	+12 36.2	2.107	3.074	5.6	18.6
4 11	12 19.22	+13 8.7	2.139	3.071	8.2	18.8
4 21	12 12.16	+13 23.2	2.197	3.068	11.1	18.9
5 1	12 6.78	+13 19.1	2.278	3.064	13.7	19.1

281544 2008 UX_{27} 3 28.7 195°.74 0°.8/29.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 52.03	− 8 41.6	2.182	2.975	13.3	21.4
3 2	12 48.15	− 8 10.9	2.092	2.974	10.4	21.2
3 12	12 42.39	− 7 25.4	2.024	2.973	6.9	21.0
3 22	12 35.29	− 6 28.1	1.984	2.971	3.1	20.8
4 1	12 27.59	− 5 23.7	1.972	2.970	1.3	20.6
4 11	12 20.16	− 4 18.5	1.989	2.968	5.0	20.9
4 21	12 13.76	− 3 18.4	2.033	2.966	8.7	21.1
5 1	12 9.01	− 2 28.6	2.102	2.964	12.0	21.3

398405 2011 SM_{218} 3 28.7 211°.76 4°.1/23.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 51.86	+ 9 5.5	2.624	3.451	10.4	21.2
3 2	12 47.66	+10 1.3	2.544	3.447	7.9	21.1
3 12	12 41.89	+10 58.6	2.491	3.443	5.6	20.9
3 22	12 35.04	+11 52.2	2.465	3.439	4.1	20.8
4 1	12 27.73	+12 37.1	2.468	3.435	5.0	20.9
4 11	12 20.66	+13 8.8	2.500	3.430	7.3	21.0
4 21	12 14.46	+13 25.1	2.558	3.425	9.8	21.2
5 1	12 9.65	+13 25.0	2.639	3.420	12.1	21.3

175439 2006 QJ_{32} 3 28.7 159°.64 3°.9/ 2.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 54.91	−19 42.8	3.112	3.823	11.4	21.8
3 2	12 49.82	−20 0.9	3.015	3.830	9.5	21.6
3 12	12 43.23	−20 5.0	2.941	3.836	7.4	21.5
3 22	12 35.58	−19 55.0	2.894	3.842	5.2	21.4
4 1	12 27.46	−19 32.0	2.875	3.848	4.0	21.3
4 11	12 19.52	−18 58.7	2.887	3.853	4.6	21.3
4 21	12 12.38	−18 18.9	2.927	3.857	6.5	21.5
5 1	12 6.54	−17 37.0	2.995	3.861	8.7	21.6

363418 2003 QH_{106} 3 28.7 163°.29 0°.7/29.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 55.39	− 9 45.5	2.238	3.019	13.4	22.1
3 2	12 50.59	− 8 55.0	2.151	3.027	10.5	21.9
3 12	12 43.89	− 7 48.3	2.088	3.034	7.0	21.7
3 22	12 35.88	− 6 28.9	2.052	3.040	3.1	21.5
4 1	12 27.32	− 5 2.5	2.047	3.045	1.2	21.3
4 11	12 19.09	− 3 36.1	2.072	3.049	5.1	21.6
4 21	12 11.95	− 2 16.4	2.125	3.052	8.7	21.9
5 1	12 6.52	− 1 8.9	2.204	3.055	11.9	22.1

228393 2001 AX_{47} 3 28.7 61°.87 9°.1/19.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 55.06	+19 9.9	1.753	2.593	14.1	19.6
3 2	12 50.70	+20 45.5	1.712	2.608	11.5	19.5
3 12	12 44.07	+22 12.8	1.694	2.623	9.6	19.4
3 22	12 35.94	+23 22.1	1.701	2.638	9.2	19.4
4 1	12 27.34	+24 5.7	1.733	2.653	10.5	19.5
4 11	12 19.36	+24 19.7	1.790	2.668	12.7	19.6
4 21	12 12.89	+24 4.7	1.867	2.684	15.0	19.8
5 1	12 8.54	+23 23.7	1.962	2.699	17.2	20.0

53962 2000 GK_{63} 3 28.7 213°.74 0°.8/27.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 52.89	− 2 56.5	2.399	3.204	11.9	20.3
3 2	12 48.62	− 2 28.4	2.307	3.200	9.1	20.2
3 12	12 42.61	− 1 50.9	2.240	3.196	5.8	19.9
3 22	12 35.37	− 1 7.6	2.201	3.191	2.3	19.7
4 1	12 27.57	− 0 22.7	2.191	3.187	1.7	19.6
4 11	12 20.00	+ 0 18.8	2.210	3.182	5.3	19.9
4 21	12 13.37	+ 0 52.5	2.257	3.177	8.7	20.1
5 1	12 8.26	+ 1 15.4	2.328	3.171	11.6	20.3

311599 2006 KN_{59} 3 28.7 287°.54 5°.5/24.0 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 54.38	+ 6 0.7	1.481	2.327	15.8	20.7
3 2	12 50.84	+ 7 13.1	1.402	2.317	12.1	20.5
3 12	12 44.60	+ 8 33.5	1.347	2.307	8.3	20.2
3 22	12 36.32	+ 9 52.7	1.315	2.297	5.6	20.1
4 1	12 27.09	+11 0.4	1.310	2.287	6.9	20.1
4 11	12 18.23	+11 47.6	1.330	2.278	10.8	20.3
4 21	12 10.90	+12 9.1	1.373	2.268	14.9	20.5
5 1	12 6.00	+12 4.0	1.435	2.258	18.6	20.7

371071 2005 UU_{290} 3 28.7 209°.12 1°.7/30.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 55.23	−10 50.7	2.327	3.101	13.2	22.7
3 2	12 50.55	−10 37.7	2.226	3.095	10.4	22.5
3 12	12 43.96	−10 10.1	2.149	3.088	7.2	22.2
3 22	12 35.95	− 9 29.6	2.098	3.080	3.7	22.0
4 1	12 27.27	− 8 39.6	2.076	3.072	1.8	21.8
4 11	12 18.79	− 7 45.2	2.084	3.063	4.8	22.0
4 21	12 11.30	− 6 52.1	2.120	3.054	8.4	22.2
5 1	12 5.46	− 6 5.3	2.181	3.044	11.6	22.4

222315 2000 ST_{367} 3 28.7 153°.38 3°.8/24.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 54.76	+ 5 50.1	2.238	3.062	12.0	21.1
3 2	12 50.05	+ 6 50.6	2.166	3.069	9.1	20.9
3 12	12 43.51	+ 7 55.3	2.120	3.076	6.1	20.7
3 22	12 35.71	+ 8 58.1	2.101	3.082	3.9	20.6
4 1	12 27.43	+ 9 52.7	2.112	3.088	4.8	20.7
4 11	12 19.50	+10 34.0	2.151	3.093	7.6	20.9
4 21	12 12.66	+10 58.8	2.216	3.098	10.5	21.1
5 1	12 7.49	+11 6.0	2.303	3.102	13.2	21.2

88665 2001 RT_{78} 3 28.7 213°.34 2°.0/26.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 57.13	− 1 24.9	1.868	2.682	14.4	20.2
3 2	12 52.41	− 0 34.6	1.776	2.675	11.0	20.0
3 12	12 45.37	+ 0 28.1	1.709	2.667	7.1	19.7
3 22	12 36.58	+ 1 37.8	1.668	2.658	3.0	19.4
4 1	12 26.97	+ 2 47.4	1.655	2.648	3.1	19.4
4 11	12 17.63	+ 3 49.1	1.671	2.637	7.3	19.7
4 21	12 9.55	+ 4 36.9	1.714	2.626	11.4	19.9
5 1	12 3.51	+ 5 6.8	1.779	2.614	15.0	20.1

306864 2001 SR_{249} 3 28.7 104°.88 0°.1/28.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 51.36	− 7 3.1	2.581	3.371	11.5	21.0
3 2	12 47.20	− 6 19.5	2.507	3.390	8.8	20.8
3 12	12 41.54	− 5 24.6	2.458	3.408	5.7	20.7
3 22	12 34.88	− 4 21.8	2.437	3.426	2.4	20.5
4 1	12 27.85	− 3 15.8	2.446	3.444	1.1	20.4
4 11	12 21.15	− 2 11.9	2.485	3.461	4.5	20.7
4 21	12 15.37	− 1 14.6	2.553	3.478	7.6	20.9
5 1	12 10.96	− 0 27.7	2.646	3.494	10.3	21.1

32699 1286 T-$_2$ 3 28.7 79°.76 0°.7/28.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 55.10	− 5 45.5	1.405	2.230	17.7	19.4
3 2	12 51.24	− 4 55.4	1.342	2.244	13.6	19.2
3 12	12 44.70	− 3 46.6	1.300	2.259	8.7	18.9
3 22	12 36.29	− 2 25.5	1.282	2.273	3.4	18.7
4 1	12 27.18	− 1 1.3	1.290	2.287	2.2	18.6
4 11	12 18.69	+ 0 15.9	1.325	2.302	7.4	19.0
4 21	12 11.91	+ 1 17.9	1.385	2.316	12.1	19.3
5 1	12 7.58	+ 1 59.7	1.465	2.330	16.1	19.5

365618 2010 UP_{35} 3 28.7 232°.35 2°.7/25.9 15

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 55.67	+ 1 9.5	2.056	2.874	13.1	22.3
3 2	12 51.14	+ 2 7.7	1.959	2.860	10.0	22.1
3 12	12 44.47	+ 3 15.9	1.887	2.845	6.5	21.8
3 22	12 36.21	+ 4 28.5	1.842	2.830	3.2	21.6
4 1	12 27.16	+ 5 38.5	1.826	2.814	3.8	21.6
4 11	12 18.31	+ 6 38.6	1.839	2.797	7.4	21.8
4 21	12 10.56	+ 7 23.6	1.879	2.780	11.2	22.0
5 1	12 4.63	+ 7 50.3	1.941	2.761	14.5	22.2

503177 2015 GL_{43} 3 28.7 292°.85 4°.8/23.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 54.25	+ 9 25.9	2.135	2.967	12.2	21.6
3 2	12 49.86	+10 11.5	2.056	2.960	9.4	21.4
3 12	12 43.50	+10 58.5	2.000	2.954	6.6	21.3
3 22	12 35.76	+11 40.6	1.972	2.947	4.8	21.1
4 1	12 27.41	+12 12.0	1.971	2.941	5.7	21.2
4 11	12 19.38	+12 28.0	1.998	2.935	8.4	21.3
4 21	12 12.45	+12 26.3	2.050	2.928	11.4	21.5
5 1	12 7.27	+12 6.4	2.124	2.922	14.2	21.7

426733 2013 TV_{63} 3 28.7 206°.47 0°.4/29.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 54.49	− 7 2.8	2.240	3.032	13.0	22.3
3 2	12 50.01	− 6 38.9	2.145	3.028	10.1	22.1
3 12	12 43.62	− 6 2.2	2.073	3.023	6.7	21.9
3 22	12 35.83	− 5 15.3	2.029	3.017	2.9	21.6
4 1	12 27.39	− 4 22.6	2.014	3.011	1.2	21.5
4 11	12 19.19	− 3 29.8	2.028	3.005	5.1	21.8
4 21	12 12.01	− 2 42.1	2.069	2.998	8.8	22.0
5 1	12 6.49	− 2 4.1	2.136	2.991	12.1	22.2

245154 2004 SO_{15} 3 28.7 157°.44 3°.4/24.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 54.93	+ 4 57.5	2.262	3.084	11.9	21.2
3 2	12 50.17	+ 5 49.8	2.187	3.090	9.0	21.1
3 12	12 43.60	+ 6 46.6	2.138	3.095	6.0	20.9
3 22	12 35.77	+ 7 42.4	2.116	3.100	3.6	20.7
4 1	12 27.45	+ 8 31.3	2.124	3.104	4.3	20.8
4 11	12 19.46	+ 9 8.3	2.160	3.108	7.2	21.0
4 21	12 12.56	+ 9 30.2	2.223	3.112	10.2	21.2
5 1	12 7.30	+ 9 35.7	2.309	3.115	12.9	21.3

230045 2000 SZ_{19} 3 28.7 213°.52 1°.8/30.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 55.25	−11 27.4	2.521	3.288	12.5	21.8
3 2	12 50.45	−11 17.3	2.416	3.279	9.9	21.6
3 12	12 43.84	−10 53.4	2.334	3.270	6.9	21.4
3 22	12 35.92	−10 17.2	2.280	3.260	3.7	21.2
4 1	12 27.35	− 9 31.5	2.254	3.250	1.9	21.1
4 11	12 18.94	− 8 40.8	2.259	3.238	4.5	21.2
4 21	12 11.44	− 7 50.3	2.293	3.226	7.8	21.4
5 1	12 5.46	− 7 4.8	2.352	3.214	10.9	21.6

142696 2002 TM_{246} 3 28.7 276°.95 3°.0/26.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 58.33	+ 2 39.2	1.731	2.557	14.9	20.3
3 2	12 53.71	+ 3 5.9	1.630	2.534	11.5	20.0
3 12	12 46.46	+ 3 40.5	1.552	2.512	7.5	19.7
3 22	12 37.15	+ 4 17.7	1.500	2.489	3.7	19.4
4 1	12 26.73	+ 4 50.8	1.475	2.465	4.1	19.4
4 11	12 16.44	+ 5 13.4	1.478	2.441	8.3	19.6
4 21	12 7.46	+ 5 20.6	1.506	2.418	12.7	19.8
5 1	12 0.71	+ 5 10.0	1.555	2.393	16.7	19.9

67977 2000 XZ_{7} 3 28.7 224°.64 4°.5/ 1.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 58.55	−17 26.4	2.080	2.824	15.4	19.1
3 2	12 53.54	−17 44.3	1.972	2.812	12.8	18.9
3 12	12 46.17	−17 43.3	1.885	2.800	9.7	18.6
3 22	12 36.98	−17 22.5	1.824	2.787	6.5	18.4
4 1	12 26.82	−16 43.2	1.789	2.773	4.6	18.3
4 11	12 16.78	−15 49.7	1.783	2.758	6.1	18.3
4 21	12 7.88	−14 48.7	1.805	2.742	9.4	18.5
5 1	12 0.96	−13 47.7	1.852	2.726	12.8	18.7

415620 2014 QG_{361} 3 28.7 267°.27 0°.2/28.8 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 53.26	− 7 45.4	1.574	2.388	16.6	22.2
3 2	12 49.98	− 7 2.0	1.478	2.374	13.0	21.9
3 12	12 44.09	− 5 57.4	1.404	2.359	8.6	21.6
3 22	12 36.18	− 4 35.6	1.354	2.344	3.6	21.3
4 1	12 27.22	− 3 4.0	1.331	2.329	1.7	21.1
4 11	12 18.48	− 1 32.6	1.335	2.313	7.0	21.4
4 21	12 11.12	− 0 11.4	1.364	2.298	12.0	21.6
5 1	12 6.05	+ 0 52.1	1.415	2.282	16.4	21.8

18344 1989 TN_{11} 3 28.7 192°.28 0°.2/28.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 58.89	− 4 39.5	1.950	2.750	14.4	18.7
3 2	12 53.64	− 4 23.3	1.860	2.748	11.2	18.4
3 12	12 46.10	− 3 55.2	1.794	2.746	7.3	18.2
3 22	12 36.89	− 3 18.1	1.754	2.744	3.0	17.9
4 1	12 26.91	− 2 37.0	1.743	2.740	1.5	17.8
4 11	12 17.23	− 1 57.7	1.761	2.736	6.0	18.1
4 21	12 8.81	− 1 25.4	1.806	2.731	10.1	18.3
5 1	12 2.41	− 1 4.3	1.875	2.726	13.7	18.5

217588 2008 DM_{28} 3 28.7 324°.53 8°.5/16.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 47.67	+16 43.8	1.977	2.825	12.3	20.1
3 2	12 45.16	+19 5.7	1.909	2.811	10.1	19.9
3 12	12 40.65	+21 26.9	1.866	2.798	8.7	19.8
3 22	12 34.67	+23 36.3	1.850	2.784	8.8	19.8
4 1	12 27.99	+25 23.8	1.861	2.772	10.4	19.8
4 11	12 21.56	+26 42.0	1.897	2.759	12.8	19.9
4 21	12 16.21	+27 28.2	1.954	2.747	15.3	20.1
5 1	12 12.62	+27 42.9	2.028	2.736	17.5	20.2

366600 2002 XR_{62} 3 28.7 135°.25 8°.5/19.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 57.14	+18 16.9	1.886	2.719	13.5	20.5
3 2	12 52.24	+19 48.2	1.833	2.727	11.0	20.4
3 12	12 45.09	+21 13.3	1.805	2.734	9.1	20.3
3 22	12 36.41	+22 22.9	1.802	2.741	8.6	20.3
4 1	12 27.19	+23 9.3	1.825	2.748	9.8	20.3
4 11	12 18.51	+23 28.0	1.873	2.755	12.0	20.5
4 21	12 11.25	+23 18.8	1.944	2.761	14.5	20.7
5 1	12 6.07	+22 44.2	2.033	2.767	16.7	20.8

366934 2005 UH_{480} 3 28.7 112°.02 4°.7/23.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 54.78	+ 7 33.4	2.193	3.021	12.1	21.5
3 2	12 49.99	+ 9 1.2	2.139	3.043	9.2	21.4
3 12	12 43.43	+10 31.5	2.111	3.064	6.3	21.2
3 22	12 35.68	+11 57.0	2.111	3.085	4.7	21.2
4 1	12 27.55	+13 10.6	2.140	3.105	5.7	21.3
4 11	12 19.88	+14 6.8	2.198	3.125	8.3	21.5
4 21	12 13.37	+14 42.8	2.281	3.144	11.0	21.7
5 1	12 8.53	+14 58.2	2.386	3.162	13.4	21.9

496573 2015 AO_{139} 3 28.7 95°.02 4°.4/ 2.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 56.81	−17 30.0	2.002	2.752	15.8	21.5
3 2	12 51.94	−17 46.5	1.926	2.770	12.9	21.3
3 12	12 44.91	−17 43.4	1.871	2.787	9.7	21.1
3 22	12 36.36	−17 20.7	1.841	2.805	6.4	21.0
4 1	12 27.21	−16 40.9	1.839	2.822	4.5	20.9
4 11	12 18.49	−15 49.3	1.864	2.839	5.8	21.0
4 21	12 11.08	−14 52.5	1.916	2.856	8.8	21.2
5 1	12 5.64	−13 57.4	1.993	2.872	11.8	21.4

138684 2000 SS_{40} 3 28.7 301°.85 3°.0/ 1.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 49.58	−15 42.7	2.211	2.977	14.0	19.9
3 2	12 46.41	−15 25.1	2.109	2.967	11.4	19.7
3 12	12 41.37	−14 48.4	2.028	2.957	8.3	19.5
3 22	12 34.95	−13 53.7	1.973	2.947	5.1	19.2
4 1	12 27.87	−12 44.3	1.946	2.937	3.0	19.1
4 11	12 20.99	−11 26.3	1.947	2.927	4.9	19.2
4 21	12 15.08	−10 6.4	1.975	2.918	8.3	19.4
5 1	12 10.79	− 8 51.7	2.028	2.909	11.6	19.6

249665 1999 VJ_{53} 3 28.7 71°.09 2°.8/31.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 55.24	−14 3.7	1.551	2.339	18.0	20.0
3 2	12 51.12	−13 40.6	1.490	2.363	14.3	19.8
3 12	12 44.51	−12 53.9	1.448	2.387	10.0	19.6
3 22	12 36.21	−11 46.6	1.430	2.410	5.5	19.4
4 1	12 27.32	−10 25.2	1.439	2.434	2.8	19.3
4 11	12 19.08	− 8 59.0	1.475	2.457	6.0	19.6
4 21	12 12.46	− 7 37.2	1.537	2.481	10.2	19.9
5 1	12 8.13	− 6 27.6	1.622	2.504	13.9	20.1

107239 2001 BS_{56} 3 28.7 105°.49 1°.2/27.5 18 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 53.38	− 2 38.8	2.005	2.820	13.5	19.9
3 2	12 49.24	− 1 58.5	1.930	2.828	10.3	19.7
3 12	12 43.12	− 1 7.4	1.878	2.836	6.6	19.5
3 22	12 35.63	− 0 10.0	1.853	2.844	2.6	19.3
4 1	12 27.59	+ 0 47.8	1.856	2.851	2.3	19.3
4 11	12 19.92	+ 1 39.5	1.888	2.859	6.1	19.5
4 21	12 13.42	+ 2 20.3	1.946	2.866	9.8	19.8
5 1	12 8.71	+ 2 46.7	2.028	2.873	13.0	20.0

6437 Stroganov 3 28.7 325°.70 0°.4/28.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 51.71	− 4 46.1	2.002	2.814	13.7	17.3
3 2	12 48.08	− 4 14.2	1.916	2.811	10.5	17.1
3 12	12 42.46	− 3 29.5	1.853	2.809	6.8	16.9
3 22	12 35.39	− 2 35.9	1.816	2.806	2.7	16.6
4 1	12 27.69	− 1 38.8	1.807	2.804	1.6	16.5
4 11	12 20.27	− 0 44.8	1.826	2.802	5.8	16.8
4 21	12 13.96	+ 0 0.7	1.872	2.800	9.7	17.0
5 1	12 9.40	+ 0 33.4	1.941	2.798	13.1	17.2

241362 2007 YH_2 3 28.7 150°.13 4°.3/23.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 52.41	+ 8 48.1	2.411	3.240	11.1	20.7
3 2	12 48.19	+ 9 47.5	2.339	3.243	8.5	20.5
3 12	12 42.30	+10 48.6	2.293	3.246	5.9	20.3
3 22	12 35.27	+11 45.7	2.275	3.249	4.4	20.2
4 1	12 27.77	+12 33.1	2.285	3.252	5.3	20.3
4 11	12 20.59	+13 6.2	2.323	3.254	7.7	20.4
4 21	12 14.38	+13 22.7	2.387	3.257	10.4	20.6
5 1	12 9.67	+13 21.7	2.473	3.259	12.8	20.8

90823 1995 SX_{45} 3 28.7 125°.71 0°.6/29.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 55.57	− 7 8.8	2.226	3.016	13.2	21.3
3 2	12 50.70	− 6 49.9	2.148	3.030	10.2	21.1
3 12	12 43.97	− 6 18.7	2.094	3.043	6.7	20.9
3 22	12 35.96	− 5 38.2	2.067	3.055	2.9	20.7
4 1	12 27.44	− 4 52.5	2.069	3.067	1.2	20.6
4 11	12 19.29	− 4 7.0	2.101	3.079	4.9	20.9
4 21	12 12.26	− 3 26.5	2.161	3.090	8.5	21.1
5 1	12 6.92	− 2 55.0	2.245	3.101	11.6	21.3

173266 1999 RY_{189} 3 28.7 196°.35 0°.6/29.3 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 56.92	− 7 27.8	2.069	2.860	14.0	22.2
3 2	12 52.04	− 7 6.1	1.975	2.857	10.9	21.9
3 12	12 45.03	− 6 30.3	1.905	2.854	7.3	21.7
3 22	12 36.47	− 5 43.1	1.862	2.850	3.2	21.4
4 1	12 27.17	− 4 49.2	1.847	2.845	1.3	21.3
4 11	12 18.14	− 3 54.6	1.862	2.840	5.5	21.6
4 21	12 10.26	− 3 5.3	1.904	2.833	9.4	21.8
5 1	12 4.25	− 2 26.3	1.971	2.827	12.9	22.0

371073 2005 UF_{307} 3 28.7 310°.83 2°.1/30.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 51.76	−11 24.5	1.701	2.500	16.3	20.6
3 2	12 48.59	−11 8.8	1.609	2.491	13.0	20.4
3 12	12 43.06	−10 33.0	1.538	2.483	9.0	20.1
3 22	12 35.73	− 9 38.9	1.492	2.476	4.7	19.8
4 1	12 27.52	− 8 31.6	1.471	2.468	2.2	19.7
4 11	12 19.59	− 7 18.6	1.478	2.461	5.9	19.9
4 21	12 12.94	− 6 8.3	1.510	2.454	10.3	20.1
5 1	12 8.39	− 5 8.3	1.566	2.447	14.4	20.3

209386 2004 EO_{47} 3 28.7 69°.04 0°.5/28.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 55.36	− 2 32.7	2.175	2.982	12.9	20.4
3 2	12 50.63	− 2 26.2	2.093	2.986	9.9	20.2
3 12	12 43.99	− 2 11.3	2.035	2.991	6.4	20.0
3 22	12 35.99	− 1 51.0	2.004	2.995	2.5	19.8
4 1	12 27.43	− 1 29.1	2.002	2.999	1.6	19.7
4 11	12 19.19	− 1 10.0	2.029	3.004	5.4	20.0
4 21	12 12.06	− 0 57.3	2.083	3.008	9.0	20.2
5 1	12 6.64	− 0 53.9	2.162	3.013	12.1	20.4

117909 4123 *P–L* 3 28.7 227°.66 0°.4/29.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 53.53	− 8 31.0	2.386	3.171	12.5	21.1
3 2	12 49.26	− 7 42.9	2.279	3.158	9.8	20.9
3 12	12 43.15	− 6 39.4	2.196	3.143	6.5	20.7
3 22	12 35.69	− 5 23.8	2.140	3.128	2.8	20.4
4 1	12 27.57	− 4 0.9	2.115	3.113	1.2	20.3
4 11	12 19.60	− 2 37.4	2.120	3.096	5.0	20.5
4 21	12 12.54	− 1 19.8	2.153	3.079	8.7	20.7
5 1	12 7.03	− 0 13.4	2.212	3.061	12.0	20.9

356611 2011 UR_3 3 28.7 276°.49 2°.0/30.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 53.80	−10 59.4	1.463	2.270	18.0	21.2
3 2	12 50.63	−10 41.1	1.370	2.258	14.4	21.0
3 12	12 44.67	− 9 59.7	1.296	2.245	10.0	20.7
3 22	12 36.49	− 8 56.8	1.246	2.232	5.0	20.3
4 1	12 27.17	− 7 38.3	1.221	2.219	2.2	20.1
4 11	12 18.07	− 6 13.5	1.223	2.205	6.8	20.4
4 21	12 10.48	− 4 53.0	1.249	2.192	12.0	20.6
5 1	12 5.38	− 3 45.9	1.296	2.179	16.6	20.8

198016 2004 RL_{205} 3 28.7 239°.81 3°.3/24.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 52.80	+ 3 0.6	2.349	3.170	11.6	21.2
3 2	12 48.72	+ 4 19.6	2.251	3.154	8.8	21.0
3 12	12 42.81	+ 5 47.3	2.179	3.137	5.8	20.7
3 22	12 35.56	+ 7 17.8	2.135	3.119	3.5	20.6
4 1	12 27.65	+ 8 43.9	2.121	3.101	4.4	20.6
4 11	12 19.90	+ 9 58.8	2.136	3.082	7.4	20.7
4 21	12 13.05	+10 57.4	2.178	3.062	10.6	20.9
5 1	12 7.74	+11 36.7	2.244	3.042	13.5	21.1

212611 2006 SU_{353} 3 28.7 156°.79 3°.2/25.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 53.81	+ 5 56.7	2.527	3.347	10.9	20.6
3 2	12 49.18	+ 6 33.9	2.449	3.350	8.3	20.4
3 12	12 42.92	+ 7 14.0	2.397	3.353	5.5	20.3
3 22	12 35.53	+ 7 52.4	2.373	3.356	3.3	20.1
4 1	12 27.70	+ 8 24.4	2.378	3.358	4.0	20.2
4 11	12 20.16	+ 8 46.2	2.413	3.361	6.5	20.3
4 21	12 13.57	+ 8 55.2	2.474	3.363	9.3	20.5
5 1	12 8.44	+ 8 50.4	2.559	3.365	11.8	20.7

253131 2002 VJ_{20} 3 28.7 66°.21 1°.4/30.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 55.47	−10 14.0	1.564	2.366	17.3	20.8
3 2	12 51.22	− 9 46.3	1.506	2.391	13.5	20.6
3 12	12 44.55	− 8 59.0	1.468	2.416	9.0	20.4
3 22	12 36.24	− 7 55.9	1.455	2.441	4.3	20.1
4 1	12 27.40	− 6 43.9	1.469	2.466	1.7	20.0
4 11	12 19.21	− 5 31.7	1.510	2.491	6.0	20.3
4 21	12 12.61	− 4 27.2	1.577	2.516	10.3	20.7
5 1	12 8.25	− 3 36.2	1.667	2.541	14.0	20.9

56897 2000 QC_{158} 3 28.7 233°.97 3°.0/ 1.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 51.16	−15 58.2	2.496	3.249	12.9	19.6
3 2	12 47.38	−15 49.0	2.394	3.244	10.5	19.4
3 12	12 41.90	−15 23.2	2.316	3.238	7.7	19.2
3 22	12 35.18	−14 41.8	2.263	3.233	4.8	19.0
4 1	12 27.87	−13 47.4	2.238	3.227	3.1	18.9
4 11	12 20.76	−12 44.6	2.242	3.221	4.6	19.0
4 21	12 14.53	−11 39.2	2.275	3.215	7.5	19.2
5 1	12 9.79	−10 36.9	2.333	3.209	10.5	19.3

313738 2003 UF_{209} 3 28.8 139°.95 0°.5/28.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 56.88	− 4 51.1	1.968	2.771	14.2	22.0
3 2	12 51.94	− 4 12.9	1.893	2.783	10.9	21.8
3 12	12 44.90	− 3 21.9	1.840	2.794	7.0	21.6
3 22	12 36.40	− 2 22.3	1.815	2.805	2.8	21.3
4 1	12 27.33	− 1 20.1	1.818	2.815	1.7	21.3
4 11	12 18.67	− 0 22.0	1.851	2.825	5.9	21.6
4 21	12 11.29	+ 0 26.4	1.911	2.833	9.8	21.8
5 1	12 5.82	+ 1 1.1	1.994	2.842	13.1	22.0

247483 2002 LE_{19} 3 28.8 223°.42 3°.7/ 1.6 17 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 56.36	−16 52.3	2.240	2.986	14.4	21.2
3 2	12 51.67	−16 48.4	2.130	2.974	11.9	21.0
3 12	12 44.87	−16 25.5	2.042	2.961	8.8	20.8
3 22	12 36.47	−15 43.7	1.980	2.947	5.6	20.6
4 1	12 27.25	−14 45.4	1.945	2.933	3.7	20.4
4 11	12 18.17	−13 35.7	1.940	2.917	5.4	20.5
4 21	12 10.12	−12 21.3	1.963	2.901	8.7	20.7
5 1	12 3.85	−11 9.5	2.012	2.884	12.0	20.8

186171 2001 UY_{148} 3 28.8 205°.01 1°.8/26.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 55.55	− 0 4.5	2.336	3.145	12.0	21.6
3 2	12 50.74	+ 0 37.1	2.244	3.140	9.2	21.4
3 12	12 44.08	+ 1 27.1	2.177	3.134	5.9	21.1
3 22	12 36.08	+ 2 21.0	2.137	3.127	2.6	20.9
4 1	12 27.47	+ 3 13.7	2.128	3.119	2.7	20.9
4 11	12 19.09	+ 3 59.6	2.148	3.111	6.1	21.1
4 21	12 11.70	+ 4 34.5	2.195	3.102	9.5	21.3
5 1	12 5.93	+ 4 55.6	2.267	3.093	12.5	21.5

175097 2004 JG_{17} 3 28.8 287°.65 1°.9/26.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 55.22	+ 1 44.9	2.260	3.075	12.2	20.1
3 2	12 50.54	+ 1 59.5	2.170	3.068	9.3	19.9
3 12	12 43.97	+ 2 19.7	2.104	3.062	6.0	19.7
3 22	12 36.04	+ 2 41.7	2.066	3.055	2.7	19.5
4 1	12 27.49	+ 3 1.3	2.057	3.049	2.7	19.5
4 11	12 19.19	+ 3 14.3	2.077	3.043	6.1	19.7
4 21	12 11.91	+ 3 17.6	2.123	3.036	9.5	19.9
5 1	12 6.29	+ 3 9.3	2.194	3.030	12.5	20.1

311193 2004 XD_{45} 3 28.8 172°.55 0°.6/29.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 58.28	− 7 33.7	2.078	2.865	14.1	22.0
3 2	12 53.02	− 7 9.9	1.990	2.870	11.0	21.8
3 12	12 45.64	− 6 32.1	1.926	2.873	7.3	21.5
3 22	12 36.73	− 5 43.2	1.888	2.876	3.2	21.3
4 1	12 27.16	− 4 47.8	1.880	2.878	1.3	21.1
4 11	12 17.92	− 3 52.2	1.902	2.879	5.4	21.4
4 21	12 9.88	− 3 2.2	1.951	2.879	9.3	21.7
5 1	12 3.73	− 2 22.6	2.025	2.878	12.7	21.9

157191 2004 QL_2 3 28.8 211°.08 0°.3/29.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 52.29	− 8 15.2	2.353	3.143	12.6	20.3
3 2	12 48.28	− 7 25.6	2.255	3.137	9.8	20.1
3 12	12 42.50	− 6 21.2	2.181	3.130	6.4	19.9
3 22	12 35.44	− 5 5.2	2.134	3.123	2.8	19.6
4 1	12 27.79	− 3 43.0	2.118	3.115	1.2	19.5
4 11	12 20.34	− 2 21.1	2.131	3.107	5.0	19.7
4 21	12 13.84	− 1 5.8	2.172	3.099	8.6	19.9
5 1	12 8.87	− 0 2.2	2.239	3.090	11.8	20.1

182536 2001 TN_{31} 3 28.8 225°.77 1°.3/27.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 59.13	− 0 20.0	2.171	2.976	13.0	20.6
3 2	12 53.68	− 0 7.1	2.073	2.966	10.0	20.4
3 12	12 46.11	+ 0 13.2	2.000	2.956	6.4	20.2
3 22	12 36.96	+ 0 37.4	1.955	2.945	2.7	19.9
4 1	12 27.05	+ 1 1.3	1.939	2.933	2.3	19.8
4 11	12 17.36	+ 1 20.3	1.952	2.921	6.1	20.1
4 21	12 8.77	+ 1 30.5	1.993	2.909	9.9	20.3
5 1	12 2.00	+ 1 29.5	2.059	2.896	13.2	20.4

95926 2003 JC_9 3 28.8 158°.31 0°.2/28.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 55.63	− 7 2.5	1.736	2.542	15.7	20.0
3 2	12 51.35	− 6 15.0	1.656	2.547	12.1	19.8
3 12	12 44.72	− 5 9.9	1.598	2.552	7.9	19.5
3 22	12 36.39	− 3 51.9	1.566	2.556	3.2	19.2
4 1	12 27.35	− 2 28.2	1.563	2.560	1.6	19.1
4 11	12 18.72	− 1 7.7	1.587	2.564	6.4	19.4
4 21	12 11.46	+ 0 1.9	1.638	2.566	10.8	19.7
5 1	12 6.32	+ 0 55.1	1.712	2.569	14.5	19.9

214195 2005 EW_{29} 3 28.8 33°.90 5°.0/24.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 53.34	+ 4 3.9	1.355	2.206	16.7	20.7
3 2	12 50.08	+ 5 19.4	1.293	2.211	12.7	20.4
3 12	12 44.10	+ 6 44.0	1.253	2.217	8.4	20.2
3 22	12 36.17	+ 8 8.2	1.238	2.223	5.2	20.0
4 1	12 27.47	+ 9 20.9	1.247	2.229	6.4	20.1
4 11	12 19.36	+10 13.0	1.282	2.236	10.4	20.3
4 21	12 12.93	+10 39.6	1.339	2.243	14.5	20.6
5 1	12 8.96	+10 39.8	1.415	2.251	18.1	20.9

369282 2009 QU_{57} 3 28.8 212°.32 7°.1/ 5.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 56.38	−27 26.0	2.379	3.057	15.3	21.6
3 2	12 51.73	−27 54.0	2.272	3.050	13.4	21.4
3 12	12 44.93	−28 0.2	2.183	3.042	11.1	21.2
3 22	12 36.51	−27 42.1	2.118	3.033	8.9	21.0
4 1	12 27.27	−26 59.4	2.078	3.024	7.3	20.9
4 11	12 18.17	−25 55.3	2.065	3.015	7.4	20.9
4 21	12 10.14	−24 36.0	2.080	3.004	9.1	21.0
5 1	12 3.93	−23 9.2	2.120	2.993	11.5	21.1

232539 2003 SG_{103} 3 28.8 198°.36 1°.1/29.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 53.97	− 8 40.2	2.322	3.108	12.8	20.9
3 2	12 49.58	− 8 25.5	2.228	3.106	10.1	20.8
3 12	12 43.36	− 7 57.9	2.158	3.103	6.8	20.5
3 22	12 35.80	− 7 19.5	2.114	3.100	3.2	20.3
4 1	12 27.64	− 6 34.0	2.100	3.097	1.3	20.2
4 11	12 19.72	− 5 46.4	2.114	3.094	4.8	20.4
4 21	12 12.78	− 5 1.8	2.157	3.090	8.3	20.6
5 1	12 7.43	− 4 24.8	2.225	3.086	11.5	20.8

471413 2011 SB_{274} 3 28.8 190°.10 2°.8/ 1.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 54.51	−14 37.5	2.964	3.707	11.3	21.7
3 2	12 49.64	−14 51.8	2.862	3.706	9.2	21.5
3 12	12 43.23	−14 54.0	2.785	3.704	6.7	21.4
3 22	12 35.72	−14 44.5	2.734	3.703	4.2	21.2
4 1	12 27.69	−14 24.8	2.713	3.700	2.8	21.1
4 11	12 19.83	−13 57.8	2.722	3.698	4.2	21.2
4 21	12 12.73	−13 27.1	2.761	3.695	6.6	21.3
5 1	12 6.95	−12 56.7	2.825	3.692	9.1	21.5

416447 2003 VG_4 3 28.8 217°.77 1°.2/27.7 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 58.52	− 1 59.1	2.144	2.947	13.2	22.3
3 2	12 53.26	− 1 31.2	2.045	2.937	10.1	22.0
3 12	12 45.87	− 0 53.3	1.971	2.926	6.6	21.8
3 22	12 36.88	− 0 9.2	1.924	2.914	2.7	21.5
4 1	12 27.12	+ 0 36.1	1.906	2.901	2.2	21.5
4 11	12 17.56	+ 1 16.8	1.918	2.888	6.2	21.7
4 21	12 9.11	+ 1 48.1	1.958	2.874	10.0	21.9
5 1	12 2.47	+ 2 6.7	2.022	2.859	13.4	22.1

498822 2008 VO 3 28.8 192°.53 2°.5/31.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 52.96	−14 39.1	2.519	3.275	12.7	22.1
3 2	12 48.72	−14 20.0	2.420	3.273	10.3	22.0
3 12	12 42.75	−13 44.6	2.344	3.271	7.4	21.8
3 22	12 35.55	−12 54.4	2.294	3.269	4.3	21.6
4 1	12 27.80	−11 52.5	2.273	3.265	2.5	21.4
4 11	12 20.25	−10 44.1	2.282	3.262	4.4	21.5
4 21	12 13.62	− 9 34.8	2.320	3.257	7.5	21.7
5 1	12 8.48	− 8 30.4	2.384	3.253	10.5	21.9

430180 2013 TA_{103} 3 28.8 167°.54 0°.5/28.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 54.36	− 4 25.6	2.257	3.058	12.7	22.3
3 2	12 49.85	− 3 53.7	2.172	3.062	9.7	22.1
3 12	12 43.51	− 3 10.7	2.111	3.065	6.3	21.9
3 22	12 35.86	− 2 20.3	2.077	3.067	2.5	21.7
4 1	12 27.67	− 1 27.4	2.073	3.070	1.5	21.6
4 11	12 19.76	− 0 37.4	2.098	3.071	5.3	21.9
4 21	12 12.90	+ 0 4.8	2.150	3.073	8.9	22.1
5 1	12 7.66	+ 0 35.5	2.227	3.074	12.0	22.3

315469 2007 XX_{58} 3 28.8 188°.42 4°.2/24.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 55.95	+ 5 10.2	1.900	2.729	13.6	21.6
3 2	12 51.41	+ 6 16.9	1.823	2.729	10.3	21.3
3 12	12 44.68	+ 7 29.9	1.770	2.728	6.9	21.1
3 22	12 36.39	+ 8 42.1	1.744	2.726	4.4	21.0
4 1	12 27.42	+ 9 45.7	1.746	2.724	5.4	21.0
4 11	12 18.81	+10 33.7	1.776	2.722	8.6	21.2
4 21	12 11.46	+11 2.3	1.831	2.719	12.1	21.4
5 1	12 6.08	+11 9.8	1.908	2.716	15.2	21.6

205785 2002 CP_{92} 3 28.8 125°.49 2°.7/26.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 56.84	− 0 14.4	1.707	2.530	15.1	21.0
3 2	12 52.17	+ 0 49.7	1.640	2.544	11.4	20.8
3 12	12 45.17	+ 2 5.1	1.597	2.557	7.3	20.6
3 22	12 36.57	+ 3 24.7	1.580	2.569	3.4	20.4
4 1	12 27.35	+ 4 40.1	1.591	2.581	3.8	20.4
4 11	12 18.66	+ 5 43.3	1.630	2.593	7.8	20.7
4 21	12 11.43	+ 6 28.8	1.695	2.604	11.7	20.9
5 1	12 6.33	+ 6 54.1	1.782	2.614	15.1	21.2

351970 2006 UT_{19} 3 28.8 156°.37 0°.8/29.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 52.10	− 8 20.5	2.918	3.696	10.7	22.4
3 2	12 47.72	− 7 59.6	2.829	3.702	8.3	22.3
3 12	12 41.94	− 7 28.4	2.764	3.708	5.5	22.1
3 22	12 35.18	− 6 49.0	2.728	3.714	2.6	21.9
4 1	12 28.01	− 6 4.6	2.722	3.720	1.0	21.8
4 11	12 21.07	− 5 19.2	2.746	3.724	3.9	22.0
4 21	12 14.91	− 4 36.8	2.799	3.729	6.8	22.2
5 1	12 10.00	− 4 0.7	2.879	3.733	9.3	22.4

267093 1999 XO_{45} 3 28.8 195°.58 2°.4/25.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 55.34	+ 3 2.3	2.594	3.405	10.9	21.4
3 2	12 50.38	+ 3 40.3	2.505	3.402	8.3	21.2
3 12	12 43.75	+ 4 23.3	2.442	3.399	5.4	21.0
3 22	12 35.95	+ 5 7.2	2.408	3.394	2.8	20.9
4 1	12 27.63	+ 5 47.3	2.403	3.390	3.2	20.9
4 11	12 19.55	+ 6 19.4	2.429	3.385	6.0	21.0
4 21	12 12.38	+ 6 40.1	2.482	3.379	9.0	21.2
5 1	12 6.67	+ 6 47.8	2.560	3.372	11.6	21.4

158535 2002 GR_{77} 3 28.8 154°.97 3°.3/25.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 54.57	+ 4 12.4	2.098	2.923	12.6	20.3
3 2	12 50.11	+ 5 2.1	2.022	2.927	9.6	20.1
3 12	12 43.71	+ 5 57.2	1.971	2.930	6.3	19.9
3 22	12 35.96	+ 6 52.1	1.948	2.933	3.6	19.7
4 1	12 27.64	+ 7 40.6	1.952	2.935	4.3	19.8
4 11	12 19.68	+ 8 17.1	1.985	2.938	7.4	20.0
4 21	12 12.85	+ 8 38.2	2.044	2.940	10.7	20.2
5 1	12 7.77	+ 8 42.4	2.126	2.942	13.6	20.4

318622 2005 JR_{131} 3 28.8 140°.58 0°.9/27.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 50.46	− 4 24.0	2.290	3.098	12.3	20.8
3 2	12 46.87	− 3 29.6	2.206	3.101	9.4	20.6
3 12	12 41.56	− 2 23.1	2.147	3.103	6.0	20.4
3 22	12 35.07	− 1 9.1	2.115	3.106	2.4	20.2
4 1	12 28.06	+ 0 6.6	2.112	3.108	1.9	20.1
4 11	12 21.34	+ 1 17.7	2.139	3.110	5.5	20.4
4 21	12 15.57	+ 2 18.8	2.193	3.113	8.9	20.6
5 1	12 11.32	+ 3 6.0	2.271	3.115	11.9	20.8

148652 2001 SB_{111} 3 28.8 130°.42 6°.4/ 4.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 54.39	−24 23.7	2.036	2.750	16.6	19.5
3 2	12 50.32	−24 37.4	1.947	2.757	14.2	19.4
3 12	12 44.04	−24 26.8	1.878	2.764	11.4	19.2
3 22	12 36.15	−23 50.5	1.832	2.770	8.5	19.0
4 1	12 27.54	−22 50.0	1.811	2.776	6.6	18.9
4 11	12 19.26	−21 30.7	1.817	2.782	6.9	18.9
4 21	12 12.24	−20 0.6	1.850	2.788	9.1	19.1
5 1	12 7.19	−18 28.4	1.908	2.793	12.0	19.3

425132 2009 SK_{229} 3 28.8 200°.54 0°.2/28.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	13 0.31	− 4 21.1	2.368	3.154	12.6	21.3
3 2	12 54.39	− 4 24.0	2.270	3.150	9.8	21.1
3 12	12 46.49	− 4 18.3	2.197	3.145	6.4	20.9
3 22	12 37.13	− 4 5.9	2.151	3.140	2.7	20.6
4 1	12 27.08	− 3 49.9	2.136	3.134	1.2	20.5
4 11	12 17.25	− 3 34.1	2.152	3.128	5.1	20.8
4 21	12 8.46	− 3 22.2	2.197	3.121	8.7	21.0
5 1	12 1.39	− 3 17.1	2.267	3.113	11.8	21.2

2020	α_{2000}	δ_{2000}	Δ	r	β	V
310521 2000 YC_{57}			3 28.8 126°.12		1°.5/30.2 18	
	h m	° ′			°	m
2 21	12 56.94	−10 31.9	1.852	2.639	15.6	21.1
3 2	12 52.16	−10 7.2	1.777	2.653	12.2	20.9
3 12	12 45.15	− 9 24.6	1.723	2.667	8.3	20.7
3 22	12 36.57	− 8 27.2	1.695	2.680	4.1	20.5
4 1	12 27.37	− 7 20.3	1.696	2.693	1.7	20.3
4 11	12 18.63	− 6 11.2	1.725	2.705	5.5	20.6
4 21	12 11.26	− 5 7.1	1.781	2.717	9.6	20.9
5 1	12 5.92	− 4 14.0	1.861	2.728	13.1	21.1
419820 2010 XN_{14}			3 28.8 101°.84		5°.7/ 4.0 18	
2 21	12 55.39	−22 37.8	1.978	2.703	16.7	20.6
3 2	12 50.99	−22 41.0	1.900	2.721	14.0	20.5
3 12	12 44.39	−22 19.7	1.842	2.739	10.9	20.3
3 22	12 36.26	−21 33.8	1.808	2.756	7.9	20.1
4 1	12 27.52	−20 25.9	1.800	2.773	5.8	20.1
4 11	12 19.23	−19 2.3	1.819	2.790	6.4	20.1
4 21	12 12.27	−17 31.6	1.866	2.806	8.9	20.3
5 1	12 7.32	−16 2.2	1.937	2.821	11.9	20.5
214269 2005 GQ_{42}			3 28.8 13°.00		5°.6/24.4 18	
2 21	12 54.93	+ 6 36.9	1.375	2.226	16.6	19.9
3 2	12 51.34	+ 7 38.9	1.310	2.227	12.7	19.7
3 12	12 44.96	+ 8 46.5	1.267	2.228	8.6	19.4
3 22	12 36.58	+ 9 50.5	1.248	2.230	5.8	19.3
4 1	12 27.37	+10 41.0	1.254	2.233	6.9	19.4
4 11	12 18.72	+11 10.2	1.285	2.236	10.7	19.6
4 21	12 11.77	+11 14.4	1.338	2.239	14.8	19.8
5 1	12 7.34	+10 53.7	1.411	2.243	18.4	20.0
489921 2008 QD_{23}			3 28.8 187°.36		1°.7/30.9 17	
2 21	12 53.38	−12 22.2	2.750	3.511	11.7	22.5
3 2	12 48.86	−11 56.9	2.651	3.510	9.3	22.4
3 12	12 42.77	−11 17.7	2.575	3.509	6.5	22.2
3 22	12 35.56	−10 26.4	2.527	3.507	3.5	22.0
4 1	12 27.86	− 9 26.4	2.509	3.505	1.7	21.8
4 11	12 20.35	− 8 22.2	2.522	3.501	4.1	22.0
4 21	12 13.68	− 7 19.1	2.564	3.497	7.1	22.2
5 1	12 8.37	− 6 21.7	2.632	3.493	9.9	22.4
229637 2006 FU_{4}			3 28.8 357°.94		4°.2/25.5 17	
2 21	12 54.68	+ 5 41.7	1.553	2.397	15.4	19.5
3 2	12 50.89	+ 6 12.5	1.481	2.394	11.8	19.3
3 12	12 44.56	+ 6 47.6	1.431	2.392	7.8	19.0
3 22	12 36.40	+ 7 20.7	1.405	2.391	4.6	18.8
4 1	12 27.46	+ 7 44.5	1.406	2.391	5.3	18.9
4 11	12 18.98	+ 7 53.2	1.432	2.391	9.0	19.1
4 21	12 12.00	+ 7 43.6	1.482	2.392	13.0	19.3
5 1	12 7.30	+ 7 15.3	1.553	2.394	16.5	19.5
381450 2008 RV_{19}			3 28.8 132°.57		1°.3/30.1 17	
2 21	12 53.91	− 9 32.8	2.154	2.940	13.7	21.7
3 2	12 49.62	− 9 15.6	2.070	2.947	10.7	21.5
3 12	12 43.42	− 8 43.9	2.009	2.953	7.3	21.3
3 22	12 35.86	− 8 0.2	1.974	2.959	3.5	21.1
4 1	12 27.73	− 7 8.5	1.968	2.965	1.5	20.9
4 11	12 19.91	− 6 14.6	1.991	2.971	4.9	21.2
4 21	12 13.19	− 5 24.1	2.041	2.977	8.6	21.4
5 1	12 8.18	− 4 41.8	2.116	2.982	11.8	21.6
397694 2008 CC_{130}			3 28.8 347°.83		1°.6/30.4 17	
2 21	12 50.87	− 9 32.5	2.026	2.822	14.1	20.8
3 2	12 47.52	− 9 27.3	1.935	2.817	11.1	20.6
3 12	12 42.18	− 9 7.5	1.867	2.813	7.6	20.3
3 22	12 35.40	− 8 34.9	1.824	2.809	3.8	20.1
4 1	12 27.94	− 7 53.2	1.809	2.806	1.7	19.9
4 11	12 20.72	− 7 8.0	1.821	2.803	5.1	20.2
4 21	12 14.58	− 6 24.9	1.860	2.800	8.9	20.4
5 1	12 10.18	− 5 49.1	1.923	2.798	12.3	20.6
239338 2007 RQ_{101}			3 28.8 353°.49		0°.9/29.6 17	
2 21	12 54.64	− 7 10.2	2.073	2.869	13.8	21.1
3 2	12 50.30	− 7 6.4	1.985	2.869	10.8	20.9
3 12	12 43.94	− 6 50.2	1.921	2.869	7.2	20.6
3 22	12 36.10	− 6 23.8	1.882	2.869	3.3	20.4
4 1	12 27.61	− 5 51.0	1.871	2.869	1.3	20.2
4 11	12 19.39	− 5 16.7	1.890	2.869	5.2	20.5
4 21	12 12.30	− 4 45.9	1.935	2.869	9.0	20.7
5 1	12 6.99	− 4 23.0	2.004	2.869	12.4	20.9
406387 2007 SK_{12}			3 28.8 161°.65		3°.4/25.3 18	
2 21	12 58.23	+ 3 44.7	2.082	2.899	13.0	22.4
3 2	12 52.89	+ 4 42.9	2.007	2.907	9.9	22.2
3 12	12 45.51	+ 5 47.3	1.958	2.914	6.4	22.0
3 22	12 36.71	+ 6 51.8	1.936	2.921	3.7	21.8
4 1	12 27.34	+ 7 49.6	1.944	2.926	4.4	21.9
4 11	12 18.37	+ 8 34.7	1.980	2.931	7.6	22.1
4 21	12 10.62	+ 9 3.6	2.043	2.934	10.9	22.3
5 1	12 4.73	+ 9 14.5	2.129	2.937	13.8	22.5

2020	α_{2000}	δ_{2000}	Δ	r	β	V
222515 2001 TN_{90}			3 28.8 255°.54		2°.9/31.7 17	
	h m	° ′			°	m
2 21	12 54.37	−14 31.7	2.097	2.862	14.7	20.8
3 2	12 50.35	−14 19.2	1.983	2.843	11.9	20.6
3 12	12 44.15	−13 47.3	1.892	2.822	8.6	20.3
3 22	12 36.28	−12 56.8	1.826	2.802	5.1	20.1
4 1	12 27.50	−11 50.7	1.787	2.780	2.9	19.9
4 11	12 18.81	−10 34.9	1.778	2.758	5.4	20.0
4 21	12 11.15	− 9 16.9	1.796	2.736	9.2	20.2
5 1	12 5.30	− 8 4.1	1.839	2.712	12.9	20.3
248706 2006 NC			3 28.8 239°.56		0°.8/29.5 17	
2 21	12 57.19	− 7 31.3	2.000	2.792	14.4	20.9
3 2	12 52.52	− 7 17.0	1.895	2.777	11.3	20.7
3 12	12 45.56	− 6 48.3	1.813	2.762	7.6	20.4
3 22	12 36.85	− 6 7.4	1.758	2.745	3.4	20.2
4 1	12 27.24	− 5 18.6	1.731	2.729	1.4	20.0
4 11	12 17.76	− 4 27.8	1.733	2.711	5.7	20.2
4 21	12 9.40	− 3 41.3	1.762	2.693	9.9	20.4
5 1	12 2.98	− 3 4.4	1.815	2.674	13.7	20.6
387202 2012 TV_{307}			3 28.8 98°.53		3°.3/ 1.5 17	
2 21	12 53.96	−15 34.3	2.367	3.120	13.5	21.2
3 2	12 49.53	−15 42.3	2.283	3.132	11.0	21.1
3 12	12 43.30	−15 34.2	2.221	3.143	8.1	20.9
3 22	12 35.81	−15 10.9	2.186	3.154	5.1	20.7
4 1	12 27.78	−14 34.8	2.178	3.165	3.3	20.6
4 11	12 20.06	−13 50.1	2.199	3.176	4.8	20.7
4 21	12 13.36	−13 2.2	2.248	3.187	7.7	20.9
5 1	12 8.27	−12 16.3	2.322	3.198	10.5	21.1
65578 4137 T_{-2}			3 28.8 122°.64		1°.8/26.8 17	
2 21	12 52.13	− 1 11.7	2.175	2.991	12.5	19.8
3 2	12 48.20	− 0 19.8	2.097	2.997	9.5	19.6
3 12	12 42.46	+ 0 41.7	2.044	3.003	6.0	19.4
3 22	12 35.46	+ 1 47.8	2.019	3.009	2.6	19.2
4 1	12 27.95	+ 2 52.6	2.022	3.014	2.7	19.2
4 11	12 20.77	+ 3 49.9	2.054	3.020	6.2	19.4
4 21	12 14.63	+ 4 35.0	2.113	3.025	9.6	19.7
5 1	12 10.11	+ 5 5.0	2.195	3.030	12.6	19.9
111157 2001 VZ_{104}			3 28.8 5°.02		1°.7/30.4 18	
2 21	12 53.77	−10 7.8	1.761	2.559	15.8	19.3
3 2	12 50.02	− 9 56.8	1.676	2.559	12.5	19.1
3 12	12 43.94	− 9 28.1	1.613	2.559	8.6	18.9
3 22	12 36.16	− 8 43.9	1.574	2.559	4.3	18.6
4 1	12 27.61	− 7 49.0	1.562	2.559	1.9	18.4
4 11	12 19.38	− 6 50.1	1.577	2.559	5.7	18.7
4 21	12 12.46	− 5 54.6	1.619	2.560	10.0	18.9
5 1	12 7.60	− 5 8.7	1.684	2.560	13.8	19.2
354849 2005 YJ_{134}			3 28.8 117°.26		1°.6/27.5 18	
2 21	13 0.59	− 1 49.4	1.641	2.456	16.0	21.8
3 2	12 55.10	− 1 15.3	1.576	2.474	12.2	21.6
3 12	12 47.11	− 0 29.8	1.533	2.491	7.8	21.4
3 22	12 37.40	+ 0 21.8	1.517	2.507	3.2	21.1
4 1	12 27.07	+ 1 12.4	1.528	2.523	2.7	21.1
4 11	12 17.35	+ 1 55.2	1.568	2.538	7.2	21.4
4 21	12 9.25	+ 2 24.9	1.633	2.553	11.4	21.7
5 1	12 3.48	+ 2 38.5	1.721	2.567	15.0	22.0
87539 2000 QY_{206}			3 28.8 225°.92		0°.9/27.8 18	
2 21	12 54.08	− 3 37.1	2.336	3.138	12.3	20.7
3 2	12 49.71	− 2 54.4	2.236	3.127	9.4	20.4
3 12	12 43.51	− 2 0.4	2.160	3.115	6.1	20.2
3 22	12 35.94	− 0 58.9	2.112	3.103	2.4	20.0
4 1	12 27.72	+ 0 5.1	2.094	3.090	1.9	19.9
4 11	12 19.68	+ 1 5.4	2.105	3.076	5.6	20.1
4 21	12 12.58	+ 1 56.9	2.144	3.062	9.2	20.3
5 1	12 7.05	+ 2 35.6	2.208	3.047	12.4	20.5
230373 2002 FW_{15}			3 28.8 331°.97		4°.5/24.5 18	
2 21	12 54.43	+ 6 30.1	1.820	2.656	13.8	20.1
3 2	12 50.35	+ 7 23.6	1.745	2.654	10.5	19.9
3 12	12 44.06	+ 8 21.6	1.694	2.652	7.1	19.7
3 22	12 36.18	+ 9 17.0	1.669	2.651	4.7	19.5
4 1	12 27.63	+10 2.7	1.671	2.649	5.6	19.6
4 11	12 19.45	+10 32.5	1.700	2.648	8.8	19.8
4 21	12 12.57	+10 43.0	1.754	2.646	12.3	20.0
5 1	12 7.68	+10 33.4	1.829	2.645	15.4	20.2
326986 2004 PM_{38}			3 28.8 223°.88		5°.4/21.4 18	
2 21	12 53.01	+ 9 55.8	2.360	3.189	11.3	20.9
3 2	12 48.89	+11 36.8	2.276	3.179	8.7	20.7
3 12	12 42.96	+13 21.4	2.219	3.167	6.4	20.5
3 22	12 35.71	+15 2.2	2.190	3.155	5.4	20.4
4 1	12 27.84	+16 31.3	2.191	3.143	6.6	20.5
4 11	12 20.18	+17 42.1	2.220	3.129	9.1	20.6
4 21	12 13.45	+18 31.1	2.274	3.116	11.8	20.8
5 1	12 8.29	+18 57.0	2.349	3.101	14.3	20.9

2020	α_{2000}	δ_{2000}	Δ	r	β	V
111555 2001 YR_{153}			3 28.8 329°.97	8°.4/ 5.9 18		
	h m	° ′			°	m
2 21	12 54.96	−27 19.5	2.180	2.868	16.3	19.3
3 2	12 50.94	−28 26.4	2.079	2.860	14.4	19.1
3 12	12 44.63	−29 12.8	1.998	2.853	12.2	18.9
3 22	12 36.51	−29 35.2	1.938	2.846	10.0	18.8
4 1	12 27.43	−29 31.8	1.903	2.839	8.6	18.7
4 11	12 18.44	−29 4.4	1.893	2.832	8.6	18.6
4 21	12 10.55	−28 17.9	1.908	2.826	10.1	18.7
5 1	12 4.61	−27 19.8	1.947	2.820	12.3	18.8
436015 2009 HS_{29}			3 28.8 304°.04	4°.2/24.2 17		
2 21	12 52.35	+ 7 21.4	2.167	2.999	12.0	20.9
3 2	12 48.49	+ 8 11.9	2.083	2.989	9.2	20.7
3 12	12 42.74	+ 9 5.7	2.023	2.980	6.3	20.5
3 22	12 35.62	+ 9 57.1	1.991	2.970	4.3	20.3
4 1	12 27.90	+10 39.8	1.986	2.961	5.2	20.4
4 11	12 20.43	+11 8.7	2.009	2.952	8.0	20.5
4 21	12 13.99	+11 20.6	2.057	2.942	11.1	20.7
5 1	12 9.21	+11 14.4	2.127	2.934	13.9	20.9
8200 Souten			3 28.8 78°.77	0°.5/28.3 18		
2 21	12 54.62	− 4 52.6	1.744	2.558	15.3	17.8
3 2	12 50.48	− 4 17.7	1.675	2.572	11.7	17.6
3 12	12 44.11	− 3 28.9	1.629	2.585	7.5	17.4
3 22	12 36.19	− 2 30.9	1.608	2.599	3.0	17.1
4 1	12 27.68	− 1 30.2	1.615	2.612	1.8	17.0
4 11	12 19.64	− 0 34.1	1.649	2.625	6.3	17.4
4 21	12 12.98	+ 0 11.5	1.710	2.639	10.4	17.6
5 1	12 8.36	+ 0 42.4	1.793	2.652	13.9	17.9
428775 2008 SW_{206}			3 28.8 189°.34	4°.1/24.4 17		
2 21	12 55.60	+ 7 42.0	2.266	3.090	11.8	21.2
3 2	12 50.80	+ 8 28.7	2.187	3.089	9.1	21.1
3 12	12 44.15	+ 9 17.7	2.134	3.088	6.2	20.9
3 22	12 36.18	+10 3.6	2.108	3.087	4.2	20.7
4 1	12 27.67	+10 40.6	2.112	3.086	5.0	20.8
4 11	12 19.48	+11 4.1	2.143	3.084	7.7	21.0
4 21	12 12.35	+11 11.6	2.200	3.082	10.6	21.1
5 1	12 6.89	+11 2.3	2.281	3.079	13.3	21.3
402932 2007 TN_{213}			3 28.8 76°.94	0°.4/28.5 18		
2 21	13 1.28	− 3 45.7	1.527	2.341	17.1	21.2
3 2	12 55.71	− 3 36.7	1.470	2.366	13.1	21.0
3 12	12 47.52	− 3 15.1	1.435	2.390	8.4	20.8
3 22	12 37.58	− 2 45.1	1.425	2.415	3.4	20.5
4 1	12 27.07	− 2 12.3	1.442	2.439	1.8	20.5
4 11	12 17.30	− 1 43.4	1.487	2.464	6.7	20.8
4 21	12 9.31	− 1 23.3	1.557	2.487	11.1	21.1
5 1	12 3.77	− 1 15.7	1.650	2.511	14.8	21.4
119953 2002 ML			3 28.8 160°.76	2°.3/31.0 18		
2 21	12 54.77	−17 29.1	1.271	2.061	21.1	19.6
3 2	12 51.62	−15 59.8	1.190	2.066	17.0	19.4
3 12	12 45.40	−13 49.6	1.129	2.070	11.9	19.1
3 22	12 36.88	−11 3.2	1.091	2.074	6.2	18.8
4 1	12 27.36	− 7 52.7	1.079	2.077	2.4	18.5
4 11	12 18.41	− 4 37.8	1.096	2.079	7.4	18.8
4 21	12 11.33	− 1 37.8	1.138	2.081	13.0	19.1
5 1	12 7.04	+ 0 52.8	1.203	2.082	18.0	19.4
264565 2001 TR_{29}			3 28.8 264°.65	0°.5/29.2 17		
2 21	12 57.87	− 5 21.3	1.844	2.647	15.0	20.6
3 2	12 53.20	− 5 24.5	1.746	2.635	11.7	20.3
3 12	12 46.10	− 5 15.7	1.671	2.623	7.8	20.1
3 22	12 37.14	− 4 57.2	1.622	2.611	3.4	19.8
4 1	12 27.22	− 4 32.8	1.601	2.599	1.4	19.6
4 11	12 17.50	− 4 7.8	1.607	2.586	6.0	19.9
4 21	12 9.03	− 3 47.2	1.640	2.573	10.4	20.1
5 1	12 2.65	− 3 35.7	1.697	2.561	14.3	20.3
464750 2003 SW_{40}			3 28.8 180°.97	4°.4/ 2.1 16		
2 21	12 59.21	−17 49.1	2.190	2.927	15.0	22.5
3 2	12 53.86	−18 5.3	2.094	2.929	12.4	22.3
3 12	12 46.33	−18 3.2	2.019	2.930	9.3	22.1
3 22	12 37.16	−17 42.1	1.969	2.930	6.3	21.9
4 1	12 27.23	−17 3.7	1.947	2.929	4.4	21.8
4 11	12 17.54	−16 12.6	1.954	2.928	5.7	21.8
4 21	12 9.00	−15 14.8	1.990	2.925	8.7	22.0
5 1	12 2.37	−14 17.3	2.050	2.922	11.8	22.2
2408 Astapovich			3 28.8 303°.44	4°.4/23.9 18		
2 21	12 48.84	+ 0 57.3	1.652	2.494	14.7	15.9
3 2	12 46.56	+ 2 49.3	1.553	2.468	11.2	15.6
3 12	12 41.93	+ 4 59.7	1.478	2.442	7.3	15.3
3 22	12 35.46	+ 7 19.5	1.430	2.415	4.5	15.1
4 1	12 28.00	+ 9 36.6	1.409	2.389	6.0	15.1
4 11	12 20.67	+11 38.2	1.415	2.364	10.2	15.3
4 21	12 14.51	+13 14.5	1.446	2.338	14.5	15.5
5 1	12 10.40	+14 20.4	1.496	2.313	18.3	15.6

2020	α_{2000}	δ_{2000}	Δ	r	β	V
472702 2015 FT_{38}			3 28.8 253°.97	0°.9/27.8 17		
	h m	° ′			°	m
2 21	12 53.25	− 2 18.6	2.451	3.256	11.7	21.9
3 2	12 49.01	− 1 53.8	2.351	3.243	8.9	21.7
3 12	12 43.03	− 1 20.2	2.275	3.230	5.8	21.5
3 22	12 35.77	− 0 41.1	2.227	3.217	2.3	21.2
4 1	12 27.89	− 0 0.7	2.208	3.204	1.8	21.2
4 11	12 20.18	+ 0 36.3	2.219	3.190	5.3	21.4
4 21	12 13.35	+ 1 5.8	2.257	3.176	8.7	21.6
5 1	12 8.00	+ 1 24.7	2.320	3.162	11.7	21.7
167031 2003 QD_{40}			3 28.8 146°.79	0°.1/28.8 18		
2 21	12 57.65	− 6 1.9	2.024	2.819	14.1	21.4
3 2	12 52.55	− 5 30.3	1.945	2.831	10.9	21.2
3 12	12 45.37	− 4 45.5	1.890	2.841	7.1	21.0
3 22	12 36.72	− 3 51.1	1.861	2.851	2.9	20.7
4 1	12 27.48	− 2 52.5	1.862	2.860	1.4	20.6
4 11	12 18.64	− 1 56.2	1.892	2.868	5.6	20.9
4 21	12 11.05	− 1 7.8	1.950	2.876	9.5	21.2
5 1	12 5.34	− 0 31.5	2.032	2.883	12.8	21.4
7084 1991 BR			3 28.8 338°.18	1°.3/27.6 18		
2 21	12 46.33	− 5 20.7	1.281	2.127	17.8	16.7
3 2	12 45.13	− 4 23.1	1.197	2.112	13.8	16.4
3 12	12 41.22	− 3 2.4	1.133	2.097	8.9	16.1
3 22	12 35.21	− 1 24.7	1.092	2.084	3.5	15.7
4 1	12 28.15	+ 0 19.5	1.076	2.072	2.9	15.6
4 11	12 21.39	+ 1 57.4	1.084	2.061	8.4	15.9
4 21	12 16.15	+ 3 17.6	1.114	2.052	13.7	16.2
5 1	12 13.36	+ 4 12.8	1.165	2.044	18.4	16.4
306461 1999 LY_{5}			3 28.8 3°.26	8°.0/10.0 18		
2 21	12 18.09	−38 43.3	0.888	1.647	30.4	16.9
3 2	12 24.45	−36 58.4	0.814	1.643	27.2	16.6
3 12	12 28.18	−33 43.8	0.752	1.644	22.7	16.3
3 22	12 29.89	−28 53.0	0.706	1.651	16.9	16.0
4 1	12 30.68	−22 37.5	0.683	1.662	10.9	15.8
4 11	12 31.85	−15 35.8	0.687	1.678	8.1	15.7
4 21	12 34.36	− 8 41.9	0.720	1.699	11.8	16.0
5 1	12 38.82	− 2 43.5	0.779	1.724	17.4	16.4
209445 2004 FF_{123}			3 28.8 277°.07	0°.5/28.3 17		
2 21	12 51.21	− 4 54.1	2.340	3.144	12.2	21.1
3 2	12 47.60	− 4 16.2	2.233	3.124	9.4	20.8
3 12	12 42.21	− 3 26.1	2.150	3.105	6.1	20.6
3 22	12 35.47	− 2 27.0	2.094	3.085	2.5	20.3
4 1	12 28.05	− 1 23.9	2.068	3.065	1.5	20.2
4 11	12 20.76	− 0 22.7	2.070	3.045	5.4	20.4
4 21	12 14.34	+ 0 31.3	2.100	3.025	9.0	20.6
5 1	12 9.43	+ 1 13.6	2.155	3.004	12.2	20.8
387191 2012 TK_{286}			3 28.8 81°.49	0°.1/28.9 17		
2 21	12 52.69	− 5 54.5	2.318	3.116	12.5	21.6
3 2	12 48.47	− 5 28.2	2.246	3.133	9.6	21.5
3 12	12 42.58	− 4 50.9	2.197	3.149	6.2	21.3
3 22	12 35.54	− 4 5.8	2.176	3.165	2.6	21.1
4 1	12 28.07	− 3 17.4	2.183	3.181	1.2	21.0
4 11	12 20.95	− 2 30.9	2.220	3.197	4.8	21.3
4 21	12 14.85	− 1 50.6	2.285	3.213	8.1	21.5
5 1	12 10.30	− 1 20.1	2.374	3.229	11.1	21.7
502046 2015 AX_{150}			3 28.8 283°.07	2°.3/26.7 17		
2 21	12 54.15	+ 0 21.2	1.845	2.671	14.1	21.1
3 2	12 50.21	+ 0 59.1	1.760	2.664	10.7	20.8
3 12	12 44.04	+ 1 46.7	1.698	2.658	6.9	20.6
3 22	12 36.25	+ 2 38.7	1.662	2.652	3.1	20.3
4 1	12 27.71	+ 3 28.6	1.654	2.646	3.3	20.3
4 11	12 19.46	+ 4 9.8	1.673	2.640	7.2	20.6
4 21	12 12.45	+ 4 37.5	1.718	2.633	11.2	20.8
5 1	12 7.38	+ 4 48.5	1.785	2.627	14.7	21.0
522924 2016 PK_{110}			3 28.8 7°.58	0°.4/28.4 17		
2 21	12 53.52	− 2 53.8	2.483	3.286	11.6	21.2
3 2	12 49.11	− 2 46.1	2.395	3.286	8.9	21.0
3 12	12 43.02	− 2 30.6	2.332	3.286	5.8	20.8
3 22	12 35.75	− 2 10.0	2.296	3.286	2.3	20.5
4 1	12 27.97	− 1 47.7	2.290	3.287	1.4	20.5
4 11	12 20.42	− 1 27.5	2.312	3.287	4.8	20.7
4 21	12 13.80	− 1 12.7	2.363	3.288	8.1	20.9
5 1	12 8.64	− 1 6.2	2.439	3.288	11.0	21.1
219791 2002 AE_{95}			3 28.8 158°.50	0°.6/29.4 16		
2 21	12 55.85	− 7 33.5	2.525	3.306	12.0	21.9
3 2	12 50.81	− 7 9.7	2.439	3.315	9.3	21.8
3 12	12 44.08	− 6 34.3	2.377	3.323	6.2	21.6
3 22	12 36.18	− 5 50.0	2.343	3.330	2.7	21.4
4 1	12 27.78	− 5 0.6	2.339	3.336	1.1	21.2
4 11	12 19.66	− 4 11.0	2.365	3.342	4.5	21.5
4 21	12 12.51	− 3 25.8	2.420	3.347	7.8	21.7
5 1	12 6.87	− 2 48.9	2.501	3.351	10.7	21.9

273081 2006 EP_{14} 3 28.8 148°.33 0°.4/28.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 53.83	− 4 34.8	2.157	2.961	13.1	21.6
3 2	12 49.57	− 4 3.3	2.074	2.965	10.0	21.4
3 12	12 43.42	− 3 20.3	2.015	2.970	6.5	21.2
3 22	12 35.93	− 2 29.5	1.983	2.974	2.6	20.9
4 1	12 27.89	− 1 35.9	1.980	2.977	1.5	20.9
4 11	12 20.15	− 0 45.4	2.006	2.981	5.5	21.1
4 21	12 13.48	− 0 3.0	2.059	2.984	9.1	21.4
5 1	12 8.50	+ 0 27.6	2.136	2.987	12.3	21.6

201601 2003 SU_{174} 3 28.8 231°.35 0°.3/29.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 53.69	− 6 38.8	2.261	3.056	12.8	21.5
3 2	12 49.50	− 6 15.1	2.163	3.048	10.0	21.2
3 12	12 43.43	− 5 38.9	2.089	3.039	6.6	21.0
3 22	12 35.97	− 4 52.8	2.042	3.030	2.8	20.8
4 1	12 27.85	− 4 1.3	2.023	3.021	1.2	20.6
4 11	12 19.93	− 3 9.7	2.034	3.012	5.1	20.9
4 21	12 12.99	− 2 23.5	2.072	3.002	8.8	21.1
5 1	12 7.66	− 1 46.9	2.135	2.992	12.1	21.3

339456 2005 EC_{198} 3 28.8 232°.68 0°.5/29.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 56.33	− 5 32.8	2.236	3.030	13.0	20.9
3 2	12 51.50	− 5 36.1	2.144	3.027	10.1	20.7
3 12	12 44.71	− 5 29.3	2.074	3.024	6.7	20.5
3 22	12 36.49	− 5 14.6	2.032	3.020	2.9	20.2
4 1	12 27.61	− 4 55.1	2.019	3.017	1.2	20.1
4 11	12 18.97	− 4 35.0	2.035	3.013	5.0	20.4
4 21	12 11.37	− 4 18.2	2.079	3.009	8.7	20.6
5 1	12 5.47	− 4 8.3	2.147	3.006	11.9	20.8

503765 2016 PE_{37} 3 28.8 339°.40 8°.7/ 7.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 53.18	−31 7.6	2.274	2.935	16.4	20.3
3 2	12 49.49	−31 56.3	2.177	2.933	14.6	20.1
3 12	12 43.63	−32 21.8	2.097	2.930	12.5	20.0
3 22	12 36.11	−32 20.8	2.038	2.928	10.5	19.8
4 1	12 27.77	−31 52.1	2.003	2.926	9.1	19.7
4 11	12 19.61	−30 58.4	1.993	2.924	8.8	19.7
4 21	12 12.57	−29 45.4	2.008	2.922	9.9	19.8
5 1	12 7.42	−28 20.9	2.047	2.921	11.8	19.9

411756 2012 BR_{109} 3 28.8 150°.40 2°.0/30.6 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 58.27	−10 27.5	1.876	2.660	15.5	21.7
3 2	12 53.31	−10 27.5	1.793	2.666	12.3	21.5
3 12	12 46.03	−10 11.3	1.731	2.672	8.5	21.3
3 22	12 37.06	− 9 40.6	1.695	2.678	4.4	21.1
4 1	12 27.36	− 8 59.0	1.687	2.683	2.1	20.9
4 11	12 18.02	− 8 12.6	1.708	2.688	5.5	21.2
4 21	12 10.01	− 7 27.5	1.755	2.692	9.6	21.4
5 1	12 4.08	− 6 49.7	1.826	2.696	13.2	21.6

347656 2001 TG_{155} 3 28.8 187°.31 0°.8/29.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 51.70	− 8 26.3	2.512	3.298	12.0	21.9
3 2	12 47.74	− 8 1.2	2.420	3.298	9.3	21.7
3 12	12 42.15	− 7 23.8	2.351	3.297	6.2	21.5
3 22	12 35.40	− 6 36.5	2.310	3.297	2.9	21.3
4 1	12 28.14	− 5 43.1	2.298	3.296	1.1	21.2
4 11	12 21.10	− 4 48.8	2.316	3.295	4.4	21.4
4 21	12 14.95	− 3 58.3	2.361	3.293	7.7	21.6
5 1	12 10.21	− 3 15.8	2.433	3.292	10.7	21.8

381563 2008 TO_{188} 3 28.8 177°.38 1°.7/30.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 53.12	−11 9.0	2.274	3.053	13.3	22.2
3 2	12 49.02	−10 49.9	2.183	3.054	10.5	22.0
3 12	12 43.07	−10 15.6	2.114	3.054	7.3	21.8
3 22	12 35.80	− 9 28.1	2.072	3.055	3.8	21.6
4 1	12 27.95	− 8 31.4	2.059	3.055	1.7	21.4
4 11	12 20.35	− 7 30.9	2.074	3.055	4.7	21.6
4 21	12 13.76	− 6 32.5	2.118	3.055	8.2	21.8
5 1	12 8.77	− 5 41.4	2.187	3.054	11.4	22.0

331255 2011 CX_{21} 3 28.8 136°.16 2°.6/26.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 55.41	+ 1 25.9	1.915	2.739	13.7	21.3
3 2	12 50.97	+ 2 11.2	1.841	2.744	10.4	21.1
3 12	12 44.41	+ 3 4.5	1.790	2.749	6.7	20.9
3 22	12 36.36	+ 4 0.4	1.765	2.754	3.2	20.7
4 1	12 27.71	+ 4 52.3	1.769	2.759	3.6	20.7
4 11	12 19.44	+ 5 33.9	1.801	2.763	7.2	20.9
4 21	12 12.43	+ 6 0.9	1.859	2.768	10.9	21.1
5 1	12 7.32	+ 6 11.2	1.940	2.772	14.1	21.4

121463 1999 TE_{209} 3 28.8 236°.06 4°.9/ 2.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 56.63	−18 30.3	2.253	2.989	14.6	20.0
3 2	12 51.96	−19 1.0	2.149	2.981	12.2	19.8
3 12	12 45.16	−19 14.6	2.065	2.972	9.4	19.6
3 22	12 36.75	−19 10.0	2.007	2.963	6.6	19.4
4 1	12 27.49	−18 47.7	1.976	2.953	4.9	19.2
4 11	12 18.36	−18 11.3	1.973	2.944	5.9	19.3
4 21	12 10.27	−17 26.0	1.998	2.934	8.7	19.4
5 1	12 3.96	−16 38.1	2.047	2.923	11.7	19.6

309276 2007 RE_{136} 3 28.8 134°.96 1°.9/27.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 54.78	− 2 57.3	1.613	2.437	15.8	21.0
3 2	12 50.88	− 1 55.6	1.539	2.443	12.1	20.8
3 12	12 44.55	− 0 38.7	1.488	2.448	7.7	20.6
3 22	12 36.47	+ 0 46.8	1.462	2.453	3.2	20.3
4 1	12 27.66	+ 2 12.2	1.464	2.458	3.1	20.3
4 11	12 19.30	+ 3 28.0	1.493	2.463	7.6	20.6
4 21	12 12.39	+ 4 27.4	1.547	2.467	11.9	20.8
5 1	12 7.67	+ 5 6.0	1.623	2.471	15.6	21.1

432817 2011 GJ_{81} 3 28.8 299°.56 4°.5/24.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 55.67	+ 7 10.4	1.866	2.699	13.6	20.9
3 2	12 51.37	+ 7 51.1	1.783	2.690	10.5	20.7
3 12	12 44.80	+ 8 35.1	1.723	2.680	7.1	20.4
3 22	12 36.58	+ 9 16.2	1.689	2.670	4.6	20.3
4 1	12 27.60	+ 9 47.8	1.683	2.661	5.5	20.3
4 11	12 18.93	+10 4.3	1.703	2.652	8.7	20.5
4 21	12 11.52	+10 2.5	1.749	2.643	12.2	20.7
5 1	12 6.09	+ 9 41.8	1.816	2.634	15.4	20.8

246557 2008 SZ_{112} 3 28.8 95°.49 2°.5/26.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 56.15	+ 2 29.9	2.070	2.890	13.0	20.6
3 2	12 51.29	+ 3 2.2	2.002	2.903	9.8	20.5
3 12	12 44.49	+ 3 40.2	1.958	2.916	6.3	20.3
3 22	12 36.37	+ 4 19.1	1.940	2.928	3.1	20.1
4 1	12 27.75	+ 4 53.5	1.952	2.941	3.4	20.1
4 11	12 19.55	+ 5 18.5	1.992	2.953	6.7	20.4
4 21	12 12.57	+ 5 31.0	2.058	2.965	10.0	20.6
5 1	12 7.37	+ 5 29.4	2.148	2.977	13.0	20.8

186096 2001 SQ_{353} 3 28.8 355°.66 5°.4/ 3.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 50.20	−20 31.1	1.589	2.354	18.7	19.4
3 2	12 47.70	−20 24.8	1.502	2.352	15.6	19.2
3 12	12 42.68	−19 49.5	1.433	2.350	12.0	19.0
3 22	12 35.77	−18 44.8	1.386	2.349	8.2	18.7
4 1	12 27.98	−17 14.2	1.364	2.348	5.6	18.6
4 11	12 20.54	−15 26.5	1.368	2.348	6.7	18.6
4 21	12 14.53	−13 32.8	1.398	2.349	10.3	18.8
5 1	12 10.76	−11 44.6	1.451	2.349	14.2	19.1

328522 2009 QC_{38} 3 28.8 191°.84 3°.0/25.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 52.75	+ 0 48.1	2.126	2.948	12.6	21.6
3 2	12 48.81	+ 2 11.9	2.043	2.946	9.5	21.4
3 12	12 42.98	+ 3 46.2	1.985	2.945	6.1	21.2
3 22	12 35.79	+ 5 24.2	1.956	2.943	3.2	21.0
4 1	12 28.00	+ 6 58.3	1.955	2.940	4.1	21.1
4 11	12 20.49	+ 8 20.7	1.984	2.937	7.4	21.3
4 21	12 14.03	+ 9 25.9	2.039	2.934	10.8	21.5
5 1	12 9.25	+10 10.8	2.118	2.930	13.8	21.7

264527 2001 RX_{79} 3 28.8 158°.71 1°.5/27.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 59.10	+ 0 4.0	2.255	3.059	12.6	21.0
3 2	12 53.46	+ 0 23.2	2.173	3.065	9.6	20.8
3 12	12 45.89	+ 0 49.2	2.117	3.072	6.1	20.6
3 22	12 36.95	+ 1 18.3	2.088	3.078	2.6	20.4
4 1	12 27.46	+ 1 46.2	2.089	3.083	2.4	20.4
4 11	12 18.32	+ 2 8.3	2.120	3.087	5.9	20.6
4 21	12 10.31	+ 2 21.3	2.178	3.091	9.3	20.9
5 1	12 4.05	+ 2 23.1	2.262	3.094	12.3	21.1

38786 2000 RG_{45} 3 28.8 149°.50 2°.1/30.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 59.53	−10 0.7	1.771	2.557	16.2	19.3
3 2	12 54.42	−10 6.0	1.689	2.564	12.8	19.0
3 12	12 46.83	− 9 55.0	1.628	2.570	8.9	18.8
3 22	12 37.43	− 9 29.2	1.592	2.576	4.6	18.6
4 1	12 27.23	− 8 52.3	1.585	2.581	2.2	18.4
4 11	12 17.41	− 8 10.3	1.605	2.585	5.8	18.7
4 21	12 9.03	− 7 29.6	1.652	2.590	10.0	18.9
5 1	12 2.87	− 6 56.2	1.723	2.593	13.8	19.1

332349 2007 DK_{76} 3 28.8 218°.00 1°.5/27.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 55.23	− 1 18.5	2.014	2.828	13.5	21.5
3 2	12 50.84	− 0 47.2	1.927	2.825	10.3	21.2
3 12	12 44.37	− 0 6.2	1.863	2.821	6.6	21.0
3 22	12 36.39	+ 0 40.4	1.826	2.816	2.7	20.7
4 1	12 27.71	+ 1 27.0	1.817	2.812	2.5	20.7
4 11	12 19.32	+ 2 7.5	1.837	2.807	6.4	21.0
4 21	12 12.07	+ 2 37.4	1.884	2.802	10.2	21.2
5 1	12 6.65	+ 2 53.3	1.953	2.797	13.5	21.4

463640 2013 TH_{113} 3 28.8 256°.68 2°.2/31.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 51.91	−14 20.1	2.022	2.796	14.9	21.7
3 2	12 48.48	−13 40.4	1.915	2.781	12.0	21.5
3 12	12 42.96	−12 38.6	1.831	2.767	8.5	21.2
3 22	12 35.85	−11 16.7	1.772	2.752	4.7	20.9
4 1	12 27.95	− 9 39.4	1.741	2.736	2.3	20.7
4 11	12 20.22	− 7 54.8	1.739	2.720	5.3	20.9
4 21	12 13.56	− 6 11.6	1.764	2.704	9.3	21.1
5 1	12 8.70	− 4 38.3	1.815	2.688	13.1	21.3

406516 2007 VM_{206} 3 28.8 200°.07 3°.8/ 1.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 57.21	−15 34.0	1.864	2.628	16.3	21.4
3 2	12 52.71	−15 39.2	1.770	2.626	13.3	21.2
3 12	12 45.78	−15 23.9	1.696	2.623	9.8	21.0
3 22	12 37.04	−14 48.4	1.647	2.619	6.1	20.7
4 1	12 27.40	−13 55.5	1.625	2.615	3.8	20.6
4 11	12 18.02	−12 51.1	1.631	2.610	5.9	20.7
4 21	12 9.93	−11 42.9	1.663	2.605	9.7	20.9
5 1	12 3.96	−10 38.9	1.720	2.599	13.4	21.1

213376 2001 UA_{24} 3 28.8 133°.00 0°.5/29.4 18

2 21	12 56.48	− 5 47.8	2.810	3.591	11.0	21.1
3 2	12 51.09	− 5 46.4	2.727	3.603	8.5	20.9
3 12	12 44.18	− 5 36.7	2.669	3.616	5.6	20.8
3 22	12 36.21	− 5 20.6	2.640	3.628	2.5	20.6
4 1	12 27.83	− 5 0.7	2.641	3.639	1.0	20.5
4 11	12 19.73	− 4 40.5	2.673	3.650	4.1	20.7
4 21	12 12.51	− 4 23.0	2.735	3.661	7.1	20.9
5 1	12 6.67	− 4 10.9	2.822	3.671	9.7	21.1

240294 2003 EX_{61} 3 28.8 295°.87 0°.1/28.9 14 C

2 21	12 56.49	− 4 49.4	1.372	2.198	18.0	21.1
3 2	12 53.08	− 4 45.7	1.275	2.177	14.1	20.8
3 12	12 46.59	− 4 26.0	1.198	2.156	9.4	20.5
3 22	12 37.56	− 3 53.2	1.144	2.135	4.0	20.1
4 1	12 27.11	− 3 12.7	1.115	2.113	1.9	19.9
4 11	12 16.74	− 2 32.7	1.112	2.092	7.8	20.2
4 21	12 7.92	− 2 1.0	1.132	2.072	13.4	20.4
5 1	12 1.80	− 1 44.0	1.173	2.051	18.3	20.7

244857 2003 UQ_{170} 3 28.8 60°.31 6°.6/22.4 18

2 21	12 56.90	+13 49.2	1.882	2.716	13.5	19.9
3 2	12 51.88	+14 54.9	1.842	2.743	10.5	19.8
3 12	12 44.82	+15 56.6	1.826	2.770	7.9	19.7
3 22	12 36.46	+16 46.6	1.836	2.798	6.7	19.7
4 1	12 27.77	+17 18.5	1.874	2.825	7.7	19.8
4 11	12 19.72	+17 28.9	1.937	2.852	10.0	20.0
4 21	12 13.11	+17 17.3	2.024	2.879	12.6	20.2
5 1	12 8.46	+16 45.5	2.132	2.906	14.9	20.4

252965 2002 PA_{139} 3 28.8 238°.23 16°.4/ 5.6 18 R

2 21	13 9.15	−30 16.0	1.277	1.978	25.3	20.5
3 2	13 4.26	−33 5.4	1.195	1.974	23.0	20.3
3 12	12 54.87	−35 30.6	1.128	1.970	20.4	20.0
3 22	12 41.37	−37 18.4	1.080	1.966	18.0	19.9
4 1	12 25.20	−38 16.8	1.051	1.961	16.5	19.8
4 11	12 8.78	−38 21.9	1.043	1.956	16.6	19.7
4 21	11 54.60	−37 40.3	1.055	1.951	18.2	19.8
5 1	11 44.60	−36 27.2	1.085	1.946	20.7	19.9

321290 2009 FE_{22} 3 28.8 53°.11 1°.3/27.4 17

2 21	12 52.33	− 1 46.1	2.076	2.893	13.0	20.7
3 2	12 48.44	− 1 11.6	2.004	2.904	9.9	20.5
3 12	12 42.68	− 0 27.8	1.956	2.915	6.3	20.3
3 22	12 35.65	+ 0 21.0	1.935	2.926	2.6	20.0
4 1	12 28.12	+ 1 9.3	1.942	2.937	2.3	20.0
4 11	12 20.96	+ 1 51.5	1.978	2.949	5.9	20.3
4 21	12 14.91	+ 2 23.4	2.040	2.960	9.4	20.5
5 1	12 10.54	+ 2 41.9	2.126	2.972	12.5	20.7

232542 2003 SW_{119} 3 28.8 207°.20 0°.7/29.5 17

2 21	12 54.52	− 7 22.4	2.273	3.064	12.9	21.7
3 2	12 50.11	− 7 7.4	2.179	3.060	10.1	21.5
3 12	12 43.81	− 6 40.0	2.109	3.057	6.7	21.3
3 22	12 36.15	− 6 2.6	2.065	3.053	3.0	21.0
4 1	12 27.86	− 5 19.2	2.050	3.048	1.2	20.9
4 11	12 19.80	− 4 34.8	2.065	3.044	4.9	21.1
4 21	12 12.73	− 3 54.3	2.107	3.039	8.5	21.3
5 1	12 7.30	− 3 22.2	2.174	3.033	11.8	21.5

210672 2000 QZ_{188} 3 28.8 201°.22 1°.5/30.6 18

2 21	12 55.74	− 9 27.7	2.863	3.629	11.1	20.8
3 2	12 50.66	− 9 34.7	2.761	3.626	8.8	20.6
3 12	12 44.00	− 9 31.7	2.684	3.622	6.1	20.4
3 22	12 36.19	− 9 19.8	2.635	3.617	3.2	20.2
4 1	12 27.85	− 9 1.1	2.617	3.612	1.6	20.1
4 11	12 19.67	− 8 38.8	2.628	3.607	4.0	20.3
4 21	12 12.29	− 8 16.3	2.669	3.601	7.0	20.4
5 1	12 6.24	− 7 57.0	2.737	3.595	9.6	20.6

334555 2002 SP_{66} 3 28.8 153°.56 0°.8/27.9 17

2 21	12 53.10	− 3 20.8	2.388	3.192	12.0	21.8
3 2	12 48.83	− 2 44.7	2.305	3.196	9.1	21.6
3 12	12 42.87	− 1 58.9	2.246	3.201	5.9	21.4
3 22	12 35.73	− 1 7.0	2.215	3.205	2.3	21.2
4 1	12 28.08	− 0 13.8	2.213	3.209	1.7	21.2
4 11	12 20.72	+ 0 35.4	2.241	3.213	5.2	21.4
4 21	12 14.31	+ 1 16.2	2.297	3.217	8.5	21.6
5 1	12 9.42	+ 1 45.5	2.377	3.220	11.5	21.8

45586 2000 CC_{91} 3 28.8 206°.15 0°.3/28.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 52.69	− 5 0.5	2.316	3.117	12.4	18.8
3 2	12 48.65	− 4 27.9	2.225	3.115	9.5	18.6
3 12	12 42.83	− 3 43.8	2.158	3.112	6.2	18.4
3 22	12 35.74	− 2 51.8	2.119	3.109	2.5	18.2
4 1	12 28.07	− 1 56.4	2.108	3.105	1.4	18.1
4 11	12 20.64	− 1 3.3	2.127	3.102	5.2	18.3
4 21	12 14.17	− 0 17.4	2.173	3.098	8.7	18.5
5 1	12 9.25	+ 0 17.5	2.244	3.094	11.8	18.7

99621 2002 GT_{86} 3 28.8 46°.44 4°.5/24.9 18

2 21	12 53.71	+ 2 54.7	1.427	2.273	16.4	19.4
3 2	12 50.34	+ 4 12.8	1.361	2.277	12.4	19.2
3 12	12 44.34	+ 5 41.6	1.318	2.281	8.1	19.0
3 22	12 36.44	+ 7 11.7	1.299	2.285	4.7	18.8
4 1	12 27.77	+ 8 32.5	1.306	2.290	5.9	18.8
4 11	12 19.61	+ 9 34.3	1.339	2.294	9.9	19.1
4 21	12 13.06	+10 11.8	1.395	2.299	14.0	19.3
5 1	12 8.87	+10 23.1	1.470	2.304	17.7	19.6

346705 2008 YA_{159} 3 28.8 23°.74 0°.1/28.8 17

2 21	12 51.59	− 5 25.8	1.719	2.538	15.2	20.6
3 2	12 48.27	− 5 7.1	1.649	2.548	11.7	20.4
3 12	12 42.77	− 4 34.7	1.602	2.558	7.6	20.2
3 22	12 35.74	− 3 52.5	1.579	2.569	3.2	20.0
4 1	12 28.10	− 3 6.1	1.583	2.581	1.5	19.9
4 11	12 20.89	− 2 22.0	1.614	2.593	5.9	20.2
4 21	12 14.99	− 1 46.0	1.671	2.607	10.1	20.4
5 1	12 11.06	− 1 22.4	1.750	2.620	13.6	20.7

300985 2008 FB_{1} 3 28.8 56°.76 1°.4/27.0 17

2 21	12 50.19	− 1 44.6	2.382	3.196	11.7	20.7
3 2	12 46.64	− 0 56.1	2.300	3.199	8.8	20.5
3 12	12 41.47	+ 0 1.7	2.243	3.201	5.6	20.3
3 22	12 35.16	+ 1 4.3	2.213	3.203	2.3	20.1
4 1	12 28.37	+ 2 6.5	2.212	3.206	2.3	20.1
4 11	12 21.84	+ 3 2.6	2.241	3.208	5.6	20.3
4 21	12 16.22	+ 3 48.3	2.296	3.211	8.8	20.5
5 1	12 12.04	+ 4 20.5	2.376	3.213	11.6	20.7

225914 2002 AR_{80} 3 28.8 172°.38 3°.9/ 2.5 16

2 21	12 56.94	−18 44.8	2.686	3.408	12.8	22.0
3 2	12 51.72	−18 51.9	2.588	3.412	10.6	21.8
3 12	12 44.75	−18 42.8	2.512	3.416	8.1	21.6
3 22	12 36.52	−18 17.6	2.463	3.419	5.5	21.5
4 1	12 27.73	−17 37.8	2.442	3.421	3.9	21.4
4 11	12 19.14	−16 47.3	2.451	3.423	4.9	21.4
4 21	12 11.49	−15 51.1	2.489	3.423	7.3	21.6
5 1	12 5.36	−14 54.7	2.554	3.423	9.9	21.8

146839 2002 AK_{49} 3 28.8 256°.92 4°.6/22.8 18

2 21	12 50.89	+ 9 3.9	2.427	3.258	10.9	20.1
3 2	12 47.20	+10 14.5	2.348	3.253	8.4	19.9
3 12	12 41.85	+11 27.6	2.295	3.248	5.9	19.7
3 22	12 35.32	+12 36.9	2.270	3.242	4.6	19.6
4 1	12 28.30	+13 36.4	2.273	3.237	5.6	19.7
4 11	12 21.51	+14 20.9	2.305	3.231	8.0	19.8
4 21	12 15.63	+14 47.6	2.361	3.226	10.7	20.0
5 1	12 11.20	+14 55.3	2.440	3.220	13.1	20.1

275889 2001 TW_{47} 3 28.8 135°.24 2°.0/26.4 16

2 21	12 55.74	+ 0 4.0	2.445	3.252	11.6	22.8
3 2	12 50.69	+ 0 59.3	2.374	3.269	8.8	22.6
3 12	12 43.99	+ 2 2.1	2.329	3.285	5.6	22.5
3 22	12 36.17	+ 3 7.5	2.312	3.301	2.6	22.3
4 1	12 27.93	+ 4 10.0	2.326	3.316	2.8	22.3
4 11	12 20.06	+ 5 4.4	2.370	3.330	5.9	22.6
4 21	12 13.22	+ 5 46.7	2.442	3.344	8.9	22.8
5 1	12 7.90	+ 6 14.7	2.538	3.356	11.6	23.0

457752 2009 HK_{68} 3 28.8 28°.96 3°.3/26.5 18

2 21	12 57.63	+ 2 34.0	1.447	2.284	16.6	21.2
3 2	12 53.36	+ 3 3.6	1.377	2.287	12.7	20.9
3 12	12 46.32	+ 3 41.4	1.328	2.290	8.2	20.7
3 22	12 37.28	+ 4 20.8	1.304	2.293	4.0	20.4
4 1	12 27.40	+ 4 54.4	1.306	2.296	4.4	20.5
4 11	12 18.04	+ 5 15.2	1.334	2.300	8.7	20.7
4 21	12 10.36	+ 5 18.9	1.385	2.304	13.1	21.0
5 1	12 5.17	+ 5 4.1	1.458	2.308	17.0	21.2

58917 1998 KP_{53} 3 28.8 303°.37 4°.5/23.5 17

2 21	12 50.18	+ 6 43.8	2.146	2.983	12.0	19.2
3 2	12 46.96	+ 7 56.1	2.057	2.966	9.2	18.9
3 12	12 41.86	+ 9 14.0	1.992	2.950	6.3	18.7
3 22	12 35.39	+10 30.8	1.955	2.933	4.5	18.6
4 1	12 28.26	+11 39.3	1.946	2.917	5.6	18.6
4 11	12 21.33	+12 33.0	1.964	2.902	8.5	18.8
4 21	12 15.37	+13 7.7	2.006	2.886	11.6	18.9
5 1	12 11.02	+13 21.5	2.071	2.870	14.4	19.1

2020	α_{2000}	δ_{2000}	Δ	r	β	V
417721 2007 CP_{22}			3 28.8 160°.30		3°.9/ 2.2 18	
	h m	° ′			°	m
2 21	12 58.31	−17 46.7	2.522	3.251	13.4	21.6
3 2	12 52.84	−17 58.3	2.429	3.260	11.0	21.5
3 12	12 45.52	−17 53.6	2.359	3.267	8.3	21.3
3 22	12 36.85	−17 32.4	2.314	3.274	5.6	21.1
4 1	12 27.60	−16 56.7	2.299	3.280	3.9	21.0
4 11	12 18.60	−16 10.3	2.313	3.286	5.0	21.1
4 21	12 10.63	−15 18.5	2.356	3.290	7.6	21.3
5 1	12 4.28	−14 26.8	2.426	3.294	10.4	21.5
214576 2006 QL_{45}			3 28.8 231°.28		0°.3/29.1 17	
2 21	12 56.83	− 6 32.4	1.960	2.758	14.4	21.7
3 2	12 52.28	− 6 12.3	1.861	2.747	11.3	21.4
3 12	12 45.46	− 5 37.9	1.785	2.736	7.5	21.2
3 22	12 36.93	− 4 52.2	1.735	2.723	3.2	20.9
4 1	12 27.54	− 3 59.9	1.713	2.711	1.4	20.7
4 11	12 18.33	− 3 7.3	1.720	2.698	5.8	21.0
4 21	12 10.28	− 2 20.7	1.754	2.684	10.1	21.2
5 1	12 4.18	− 1 45.2	1.812	2.670	13.8	21.4
396322 2014 DU_{45}			3 28.8 332°.25		0°.7/29.4 17	
2 21	12 54.47	− 5 29.2	1.956	2.762	14.2	20.7
3 2	12 50.46	− 5 41.4	1.860	2.750	11.1	20.4
3 12	12 44.27	− 5 43.0	1.787	2.739	7.4	20.2
3 22	12 36.43	− 5 35.8	1.740	2.728	3.3	19.9
4 1	12 27.78	− 5 23.0	1.720	2.718	1.3	19.7
4 11	12 19.32	− 5 8.9	1.728	2.709	5.5	20.0
4 21	12 11.98	− 4 57.9	1.763	2.700	9.6	20.2
5 1	12 6.52	− 4 53.9	1.821	2.691	13.2	20.4
472860 2015 FB_{295}			3 28.8 147°.27		4°.6/23.0 17	
2 21	12 52.18	+ 9 31.0	2.399	3.229	11.1	21.2
3 2	12 48.14	+10 35.6	2.328	3.232	8.5	21.1
3 12	12 42.42	+11 41.6	2.283	3.234	6.0	20.9
3 22	12 35.56	+12 42.9	2.265	3.237	4.6	20.8
4 1	12 28.22	+13 33.8	2.275	3.239	5.6	20.9
4 11	12 21.18	+14 9.6	2.314	3.241	8.0	21.0
4 21	12 15.11	+14 27.8	2.377	3.243	10.6	21.2
5 1	12 10.54	+14 27.8	2.463	3.244	12.9	21.4
28936 Dalapati			3 28.8 134°.60		2°.0/30.9 18	
2 21	12 54.19	−12 7.0	2.080	2.858	14.4	19.1
3 2	12 49.98	−11 49.2	1.996	2.865	11.4	18.9
3 12	12 43.78	−11 14.5	1.934	2.872	8.0	18.7
3 22	12 36.17	−10 24.8	1.898	2.879	4.3	18.5
4 1	12 27.94	− 9 24.4	1.890	2.885	2.1	18.3
4 11	12 20.04	− 8 19.4	1.910	2.891	5.0	18.5
4 21	12 13.29	− 7 16.4	1.959	2.897	8.6	18.8
5 1	12 8.31	− 6 21.3	2.032	2.903	12.0	19.0
503783 2016 RA_{23}			3 28.8 265°.02		1°.6/26.9 17	
2 21	12 50.59	− 1 45.2	2.375	3.189	11.7	21.5
3 2	12 47.06	− 0 52.0	2.279	3.177	8.9	21.3
3 12	12 41.83	+ 0 11.5	2.207	3.165	5.7	21.1
3 22	12 35.36	+ 1 20.9	2.163	3.153	2.4	20.8
4 1	12 28.30	+ 2 30.6	2.148	3.141	2.5	20.8
4 11	12 21.43	+ 3 34.6	2.162	3.129	5.9	21.0
4 21	12 15.42	+ 4 27.8	2.204	3.116	9.2	21.2
5 1	12 10.88	+ 5 6.7	2.269	3.104	12.2	21.4
499103 2009 GF_{4}			3 28.8 347°.96		1°.2/29.6 17	
2 21	12 52.30	− 6 45.9	1.192	2.030	19.5	20.8
3 2	12 49.99	− 6 53.0	1.115	2.021	15.3	20.5
3 12	12 44.56	− 6 41.2	1.056	2.014	10.3	20.2
3 22	12 36.71	− 6 13.0	1.019	2.008	4.7	19.9
4 1	12 27.66	− 5 34.2	1.005	2.003	1.9	19.6
4 11	12 18.98	− 4 53.3	1.015	2.000	7.6	20.0
4 21	12 12.10	− 4 18.9	1.048	1.997	13.1	20.3
5 1	12 8.03	− 3 58.0	1.100	1.996	17.9	20.5
314194 2005 JU_{138}			3 28.8 303°.29		0°.8/29.5 17	
2 21	12 52.87	− 7 45.7	1.504	2.322	17.1	20.9
3 2	12 49.98	− 7 29.4	1.406	2.302	13.5	20.6
3 12	12 44.38	− 6 53.8	1.328	2.282	9.1	20.3
3 22	12 36.62	− 6 1.5	1.273	2.262	4.1	20.0
4 1	12 27.67	− 4 58.0	1.244	2.242	1.6	19.7
4 11	12 18.86	− 3 52.1	1.241	2.223	6.9	20.0
4 21	12 11.42	− 2 52.5	1.262	2.204	12.1	20.3
5 1	12 6.35	− 2 6.9	1.305	2.185	16.7	20.5
221315 2005 VM_{42}			3 28.8 202°.80		0°.2/28.6 17	R
2 21	12 53.84	− 6 36.6	2.439	3.229	12.1	21.3
3 2	12 49.47	− 5 48.0	2.341	3.224	9.4	21.1
3 12	12 43.36	− 4 46.2	2.268	3.218	6.1	20.9
3 22	12 35.98	− 3 34.6	2.222	3.212	2.5	20.6
4 1	12 28.03	− 2 18.6	2.207	3.205	1.3	20.5
4 11	12 20.27	− 1 4.1	2.222	3.197	5.0	20.8
4 21	12 13.44	+ 0 3.0	2.266	3.188	8.5	21.0
5 1	12 8.11	+ 0 58.3	2.335	3.179	11.6	21.2

2020	α_{2000}	δ_{2000}	Δ	r	β	V
396257 2014 CB_{5}			3 28.8 112°.14		3°.3/24.7 17	
	h m	° ′			°	m
2 21	12 51.24	+ 4 5.2	2.351	3.177	11.4	20.9
3 2	12 47.44	+ 5 10.0	2.279	3.183	8.6	20.7
3 12	12 41.98	+ 6 20.1	2.231	3.189	5.6	20.5
3 22	12 35.38	+ 7 30.1	2.212	3.195	3.4	20.4
4 1	12 28.33	+ 8 33.7	2.221	3.201	4.2	20.4
4 11	12 21.57	+ 9 25.6	2.259	3.207	6.9	20.6
4 21	12 15.78	+10 2.2	2.324	3.213	9.8	20.8
5 1	12 11.46	+10 21.8	2.411	3.218	12.4	21.0
34125 2000 QZ			3 28.8 126°.23		0°.3/28.4 18	
2 21	12 52.13	− 4 41.4	2.707	3.502	10.9	20.4
3 2	12 47.87	− 4 9.4	2.627	3.514	8.4	20.2
3 12	12 42.15	− 3 28.3	2.573	3.525	5.4	20.0
3 22	12 35.43	− 2 41.1	2.546	3.536	2.2	19.8
4 1	12 28.32	− 1 51.9	2.549	3.547	1.2	19.8
4 11	12 21.47	− 1 5.2	2.583	3.557	4.4	20.0
4 21	12 15.48	− 0 24.7	2.644	3.567	7.4	20.2
5 1	12 10.80	+ 0 6.4	2.732	3.576	10.1	20.4
211201 2002 NV_{55}			3 28.8 296°.70		1°.9/27.4 17	
2 21	12 54.93	− 1 25.4	1.497	2.329	16.4	20.7
3 2	12 51.60	− 0 54.8	1.398	2.306	12.8	20.4
3 12	12 45.47	− 0 10.1	1.321	2.282	8.3	20.1
3 22	12 37.09	+ 0 43.7	1.268	2.259	3.5	19.7
4 1	12 27.47	+ 1 39.3	1.241	2.235	3.2	19.6
4 11	12 17.95	+ 2 27.8	1.239	2.212	8.3	19.9
4 21	12 9.82	+ 3 2.0	1.262	2.189	13.4	20.1
5 1	12 4.12	+ 3 16.7	1.305	2.167	17.9	20.3
465128 2006 XY_{61}			3 28.8 84°.97		6°.2/23.1 16	
2 21	12 56.54	+10 9.6	1.711	2.549	14.4	21.5
3 2	12 51.98	+11 23.7	1.656	2.564	11.1	21.3
3 12	12 45.12	+12 38.4	1.626	2.578	7.9	21.2
3 22	12 36.71	+13 45.1	1.621	2.592	6.2	21.1
4 1	12 27.76	+14 35.4	1.643	2.606	7.3	21.2
4 11	12 19.39	+15 3.9	1.691	2.620	10.2	21.4
4 21	12 12.50	+15 8.6	1.762	2.634	13.3	21.6
5 1	12 7.73	+14 50.4	1.854	2.648	16.1	21.8
117090 2004 MF_{4}			3 28.8 179°.42		1°.8/26.8 17	
2 21	12 54.70	− 0 48.9	2.207	3.019	12.6	20.7
3 2	12 50.23	+ 0 1.2	2.123	3.020	9.5	20.5
3 12	12 43.89	+ 1 0.7	2.064	3.021	6.1	20.2
3 22	12 36.21	+ 2 4.9	2.032	3.022	2.7	20.0
4 1	12 27.96	+ 3 7.7	2.029	3.021	2.8	20.0
4 11	12 19.99	+ 4 3.2	2.056	3.021	6.2	20.2
4 21	12 13.08	+ 4 46.6	2.110	3.020	9.7	20.5
5 1	12 7.83	+ 5 14.9	2.188	3.018	12.8	20.7
208671 2002 GS_{48}			3 28.8 232°.28		0°.7/29.5 18	
2 21	12 54.70	− 8 31.8	1.691	2.496	16.1	20.7
3 2	12 50.94	− 8 0.6	1.602	2.490	12.6	20.5
3 12	12 44.72	− 7 10.5	1.533	2.484	8.5	20.2
3 22	12 36.66	− 6 5.0	1.490	2.478	3.8	19.9
4 1	12 27.72	− 4 50.0	1.473	2.471	1.5	19.7
4 11	12 19.06	− 3 34.2	1.485	2.465	6.3	20.0
4 21	12 11.74	− 2 25.7	1.522	2.458	10.9	20.2
5 1	12 6.58	− 1 31.2	1.582	2.451	14.9	20.5
500039 2011 SM_{156}			3 28.8 273°.08		0°.7/27.9 17	
2 21	12 50.03	− 4 40.2	2.340	3.147	12.1	21.0
3 2	12 46.62	− 3 51.0	2.249	3.143	9.2	20.8
3 12	12 41.53	− 2 49.9	2.183	3.139	5.9	20.5
3 22	12 35.24	− 1 40.7	2.144	3.135	2.4	20.3
4 1	12 28.40	− 0 29.0	2.135	3.131	1.7	20.2
4 11	12 21.80	+ 0 39.0	2.155	3.127	5.3	20.5
4 21	12 16.10	+ 1 38.2	2.202	3.124	8.7	20.7
5 1	12 11.88	+ 2 24.4	2.273	3.120	11.8	20.9
58845 1998 HZ_{60}			3 28.8 71°.76		2°.0/27.3 18	
2 21	13 0.30	+ 1 32.8	1.766	2.585	14.9	18.5
3 2	12 54.77	+ 1 41.0	1.701	2.601	11.3	18.3
3 12	12 46.90	+ 1 55.4	1.659	2.617	7.3	18.1
3 22	12 37.45	+ 2 11.9	1.643	2.633	3.2	17.9
4 1	12 27.42	+ 2 25.3	1.656	2.649	3.0	17.9
4 11	12 17.96	+ 2 31.1	1.696	2.665	6.9	18.2
4 21	12 10.00	+ 2 26.3	1.763	2.681	10.8	18.5
5 1	12 4.21	+ 2 9.3	1.853	2.697	14.1	18.7
521292 2015 JT_{15}			3 28.8 332°.34		1°.1/30.2 17	
2 21	12 47.41	−11 52.3	1.988	2.783	14.4	20.6
3 2	12 45.01	−10 55.3	1.891	2.772	11.4	20.4
3 12	12 40.69	− 9 37.1	1.816	2.763	7.8	20.2
3 22	12 34.95	− 8 1.1	1.767	2.753	3.7	19.9
4 1	12 28.55	− 6 13.8	1.747	2.745	1.4	19.7
4 11	12 22.38	− 4 23.9	1.755	2.736	5.3	19.9
4 21	12 17.23	− 2 40.2	1.790	2.728	9.3	20.2
5 1	12 13.77	− 1 10.2	1.849	2.721	12.9	20.4

2020	α_{2000}	δ_{2000}	Δ	r	β	V
32665 6107 *P–L*			3 28.8 272°.85		1°.1/30.0 18	
	h m	° ′			°	m
2 21	12 51.05	−11 27.1	1.775	2.571	15.8	19.2
3 2	12 48.01	−10 32.9	1.683	2.566	12.4	18.9
3 12	12 42.74	− 9 16.0	1.614	2.561	8.4	18.7
3 22	12 35.83	− 7 40.3	1.570	2.557	4.0	18.4
4 1	12 28.15	− 5 52.7	1.554	2.552	1.5	18.2
4 11	12 20.75	− 4 3.1	1.565	2.547	5.9	18.5
4 21	12 14.59	− 2 21.2	1.604	2.542	10.3	18.7
5 1	12 10.39	− 0 55.0	1.666	2.537	14.2	18.9
498957 2009 BK_{89}			3 28.8 115°.40		3°.5/24.5 17	
2 21	12 51.96	+ 4 44.2	2.308	3.134	11.6	21.5
3 2	12 48.00	+ 5 52.6	2.238	3.143	8.7	21.3
3 12	12 42.36	+ 7 5.9	2.194	3.152	5.8	21.2
3 22	12 35.56	+ 8 18.3	2.178	3.161	3.6	21.0
4 1	12 28.31	+ 9 23.4	2.191	3.169	4.5	21.1
4 11	12 21.38	+10 15.7	2.233	3.177	7.2	21.3
4 21	12 15.45	+10 51.9	2.300	3.185	10.1	21.5
5 1	12 11.04	+11 10.3	2.391	3.193	12.7	21.7
80029 1999 JF_{15}			3 28.8 131°.18		2°.5/26.2 18	
2 21	12 54.87	+ 3 18.9	2.276	3.095	12.0	19.1
3 2	12 50.29	+ 3 46.8	2.196	3.096	9.1	18.9
3 12	12 43.88	+ 4 19.5	2.140	3.098	5.9	18.7
3 22	12 36.21	+ 4 52.7	2.112	3.100	3.0	18.5
4 1	12 28.00	+ 5 21.5	2.113	3.101	3.4	18.5
4 11	12 20.09	+ 5 41.6	2.143	3.102	6.4	18.7
4 21	12 13.23	+ 5 50.0	2.199	3.104	9.6	18.9
5 1	12 7.98	+ 5 45.1	2.279	3.105	12.5	19.1
331153 2010 XU_{21}			3 28.8 79°.65		5°.1/24.3 18	
2 21	12 57.61	+ 7 43.3	1.691	2.527	14.7	21.2
3 2	12 52.77	+ 8 43.1	1.638	2.545	11.2	21.0
3 12	12 45.61	+ 9 45.2	1.607	2.563	7.6	20.8
3 22	12 36.91	+10 41.8	1.603	2.581	5.3	20.7
4 1	12 27.71	+11 25.3	1.625	2.599	6.2	20.8
4 11	12 19.12	+11 50.2	1.674	2.617	9.3	21.0
4 21	12 12.05	+11 54.3	1.748	2.635	12.6	21.3
5 1	12 7.14	+11 37.8	1.842	2.652	15.6	21.5
62892 2000 UZ_{100}			3 28.8 241°.46		5°.0/ 3.2 18	
2 21	12 54.41	−20 34.1	2.259	2.988	14.8	19.9
3 2	12 50.32	−20 42.3	2.149	2.975	12.4	19.7
3 12	12 44.16	−20 30.4	2.060	2.962	9.7	19.5
3 22	12 36.42	−19 57.4	1.995	2.948	6.9	19.3
4 1	12 27.87	−19 4.7	1.957	2.934	5.0	19.1
4 11	12 19.44	−17 56.7	1.947	2.919	5.9	19.1
4 21	12 12.02	−16 40.1	1.965	2.904	8.6	19.3
5 1	12 6.34	−15 22.2	2.008	2.889	11.7	19.4
205571 2001 SS_{336}			3 28.8 321°.97		0°.4/29.2 17	
2 21	12 51.88	− 6 46.8	2.053	2.856	13.7	20.7
3 2	12 48.31	− 6 25.4	1.962	2.851	10.6	20.5
3 12	12 42.78	− 5 50.5	1.894	2.846	7.0	20.3
3 22	12 35.81	− 5 5.2	1.853	2.842	3.1	20.0
4 1	12 28.17	− 4 13.9	1.839	2.837	1.2	19.9
4 11	12 20.78	− 3 22.8	1.853	2.833	5.3	20.1
4 21	12 14.44	− 2 37.4	1.894	2.828	9.2	20.4
5 1	12 9.83	− 2 2.4	1.960	2.824	12.6	20.6
336424 2008 UM_{227}			3 28.8 245°.40		2°.0/30.9 18	
2 21	12 53.95	−11 21.8	2.272	3.048	13.4	21.0
3 2	12 49.81	−11 13.2	2.168	3.036	10.7	20.8
3 12	12 43.74	−10 49.6	2.086	3.024	7.5	20.5
3 22	12 36.22	−10 12.4	2.031	3.012	4.0	20.3
4 1	12 27.97	− 9 24.7	2.004	2.999	2.0	20.1
4 11	12 19.88	− 8 31.7	2.006	2.986	4.8	20.3
4 21	12 12.75	− 7 38.9	2.036	2.973	8.4	20.5
5 1	12 7.25	− 6 52.0	2.091	2.960	11.8	20.7
393471 2002 CF_{198}			3 28.8 198°.76		4°.0/ 2.2 18	
2 21	12 54.58	−17 15.3	2.570	3.308	13.0	21.3
3 2	12 50.06	−17 39.9	2.472	3.308	10.7	21.1
3 12	12 43.78	−17 49.6	2.397	3.307	8.1	21.0
3 22	12 36.20	−17 44.3	2.347	3.306	5.5	20.8
4 1	12 28.00	−17 25.1	2.325	3.305	4.0	20.7
4 11	12 19.98	−16 55.2	2.332	3.304	5.0	20.8
4 21	12 12.85	−16 18.9	2.366	3.303	7.5	20.9
5 1	12 7.24	−15 41.2	2.427	3.302	10.1	21.1
292714 2006 UU_{130}			3 28.8 355°.98		1°.5/27.4 17	
2 21	12 54.62	+ 0 14.9	2.194	3.009	12.5	20.4
3 2	12 50.20	+ 0 30.6	2.111	3.009	9.5	20.2
3 12	12 43.89	+ 0 53.1	2.051	3.008	6.1	20.0
3 22	12 36.24	+ 1 18.8	2.018	3.008	2.6	19.8
4 1	12 28.00	+ 1 43.3	2.014	3.008	2.4	19.8
4 11	12 20.05	+ 2 2.0	2.038	3.007	5.9	20.0
4 21	12 13.16	+ 2 11.8	2.089	3.008	9.4	20.2
5 1	12 7.93	+ 2 10.2	2.165	3.008	12.4	20.4

2020	α_{2000}	δ_{2000}	Δ	r	β	V
31328 1998 HV_{47}			3 28.8 64°.47		3°.0/25.6 18	
	h m	° ′			°	m
2 21	12 53.03	+ 3 40.7	2.169	2.994	12.3	19.0
3 2	12 48.91	+ 4 24.5	2.100	3.004	9.3	18.8
3 12	12 42.98	+ 5 13.4	2.055	3.014	6.0	18.6
3 22	12 35.83	+ 6 2.1	2.038	3.024	3.3	18.5
4 1	12 28.21	+ 6 45.1	2.049	3.034	3.9	18.5
4 11	12 20.95	+ 7 17.5	2.089	3.044	6.8	18.7
4 21	12 14.77	+ 7 35.9	2.154	3.055	10.0	18.9
5 1	12 10.23	+ 7 39.0	2.243	3.065	12.7	19.1
226865 2004 TT_{40}			3 28.8 295°.09		0°.2/28.7 17	
2 21	12 54.42	− 4 49.4	1.872	2.682	14.5	20.8
3 2	12 50.42	− 4 28.9	1.786	2.680	11.2	20.6
3 12	12 44.23	− 3 55.6	1.723	2.678	7.3	20.4
3 22	12 36.44	− 3 12.9	1.685	2.675	3.0	20.1
4 1	12 27.91	− 2 26.1	1.676	2.673	1.5	20.0
4 11	12 19.68	− 1 41.6	1.694	2.671	6.0	20.2
4 21	12 12.67	− 1 4.9	1.738	2.669	10.1	20.5
5 1	12 7.60	− 0 40.3	1.806	2.667	13.7	20.7
183334 2002 VR_{77}			3 28.8 111°.45		1°.1/27.8 18	
2 21	12 56.41	− 3 41.7	1.974	2.781	14.0	20.8
3 2	12 51.59	− 2 53.7	1.907	2.800	10.7	20.6
3 12	12 44.76	− 1 53.8	1.864	2.820	6.8	20.4
3 22	12 36.57	− 0 47.2	1.848	2.838	2.7	20.2
4 1	12 27.89	+ 0 19.8	1.861	2.856	2.1	20.2
4 11	12 19.68	+ 1 20.5	1.903	2.874	6.0	20.5
4 21	12 12.74	+ 2 9.5	1.972	2.891	9.8	20.7
5 1	12 7.67	+ 2 43.5	2.065	2.907	12.9	21.0
216851 2007 VS_{168}			3 28.8 301°.13		4°.6/25.3 18	
2 21	12 57.01	+ 5 18.9	1.499	2.340	16.0	20.1
3 2	12 52.96	+ 6 3.5	1.421	2.333	12.3	19.8
3 12	12 46.16	+ 6 54.6	1.365	2.325	8.2	19.6
3 22	12 37.31	+ 7 44.6	1.333	2.318	4.9	19.4
4 1	12 27.50	+ 8 25.2	1.328	2.311	5.8	19.4
4 11	12 18.10	+ 8 48.7	1.348	2.305	9.7	19.6
4 21	12 10.26	+ 8 51.4	1.392	2.298	13.9	19.8
5 1	12 4.86	+ 8 32.0	1.455	2.292	17.7	20.0
452357 2001 UX_{189}			3 28.8 136°.90		1°.2/29.9 18	
2 21	12 58.73	− 9 26.5	1.764	2.554	16.1	22.3
3 2	12 53.75	− 9 3.7	1.688	2.567	12.6	22.1
3 12	12 46.38	− 8 23.3	1.633	2.579	8.5	21.9
3 22	12 37.31	− 7 28.3	1.604	2.590	4.0	21.7
4 1	12 27.55	− 6 24.4	1.603	2.601	1.6	21.5
4 11	12 18.25	− 5 19.1	1.631	2.611	5.8	21.8
4 21	12 10.40	− 4 19.6	1.685	2.620	10.1	22.1
5 1	12 4.71	− 3 31.7	1.763	2.629	13.8	22.3
466694 2014 WB_{353}			3 28.8 103°.23		1°.1/27.7 18	
2 21	12 56.23	− 3 21.9	1.940	2.749	14.1	22.3
3 2	12 51.48	− 2 35.7	1.875	2.770	10.7	22.2
3 12	12 44.70	− 1 37.9	1.833	2.790	6.8	22.0
3 22	12 36.55	− 0 33.7	1.819	2.809	2.7	21.7
4 1	12 27.91	+ 0 30.6	1.833	2.828	2.2	21.7
4 11	12 19.77	+ 1 28.3	1.876	2.847	6.1	22.0
4 21	12 12.91	+ 2 14.2	1.945	2.865	9.8	22.3
5 1	12 7.93	+ 2 45.1	2.039	2.883	13.0	22.5
388703 2007 VH_{52}			3 28.8 92°.66		2°.9/25.9 18	
2 21	12 55.76	+ 4 23.4	2.246	3.066	12.1	20.9
3 2	12 50.92	+ 4 52.0	2.175	3.076	9.2	20.7
3 12	12 44.26	+ 5 24.5	2.128	3.085	6.0	20.6
3 22	12 36.37	+ 5 56.1	2.108	3.094	3.2	20.4
4 1	12 27.99	+ 6 22.2	2.117	3.103	3.7	20.4
4 11	12 19.99	+ 6 38.7	2.155	3.112	6.6	20.6
4 21	12 13.08	+ 6 42.8	2.220	3.121	9.7	20.8
5 1	12 7.84	+ 6 33.4	2.308	3.130	12.5	21.0
42694 1998 KQ_{44}			3 28.8 322°.40		2°.2/30.7 18	
2 21	12 51.45	−11 37.3	1.428	2.239	18.2	18.6
3 2	12 48.93	−11 19.3	1.340	2.229	14.6	18.3
3 12	12 43.69	−10 37.2	1.272	2.220	10.2	18.0
3 22	12 36.34	− 9 33.0	1.227	2.212	5.3	17.7
4 1	12 27.95	− 8 12.7	1.206	2.203	2.3	17.5
4 11	12 19.84	− 6 46.1	1.211	2.196	6.6	17.7
4 21	12 13.23	− 5 23.6	1.241	2.188	11.7	18.0
5 1	12 9.04	− 4 14.6	1.292	2.182	16.2	18.2
124311 2001 QO_{73}			3 28.9 188°.34		1°.3/30.2 18	
2 21	12 58.50	−10 6.3	2.024	2.803	14.7	20.8
3 2	12 53.44	− 9 42.6	1.930	2.803	11.6	20.6
3 12	12 46.16	− 9 2.1	1.859	2.802	7.9	20.3
3 22	12 37.25	− 8 7.2	1.814	2.799	3.8	20.1
4 1	12 27.57	− 7 2.7	1.799	2.796	1.6	19.9
4 11	12 18.16	− 5 55.0	1.812	2.792	5.4	20.2
4 21	12 9.97	− 4 51.2	1.854	2.787	9.4	20.4
5 1	12 3.71	− 3 57.1	1.920	2.781	13.0	20.6

38348 1999 RQ_{145} 3 28.9 261°.87 2°.4/31.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 53.89	−12 9.7	2.015	2.795	14.7	19.1
3 2	12 50.02	−12 4.7	1.915	2.785	11.8	18.9
3 12	12 44.01	−11 42.5	1.838	2.775	8.4	18.6
3 22	12 36.39	−11 4.5	1.785	2.765	4.6	18.4
4 1	12 27.95	−10 13.9	1.760	2.755	2.4	18.2
4 11	12 19.70	− 9 16.6	1.763	2.744	5.3	18.4
4 21	12 12.54	− 8 19.0	1.793	2.734	9.2	18.6
5 1	12 7.23	− 7 27.5	1.847	2.723	12.8	18.8

293199 2007 BF_{9} 3 28.9 332°.92 8°.0/21.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 54.52	+13 6.2	1.496	2.347	15.5	19.6
3 2	12 51.05	+14 20.7	1.427	2.338	12.3	19.3
3 12	12 44.90	+15 34.6	1.379	2.329	9.3	19.2
3 22	12 36.78	+16 37.7	1.356	2.321	8.0	19.1
4 1	12 27.79	+17 20.2	1.358	2.314	9.4	19.1
4 11	12 19.24	+17 35.2	1.383	2.307	12.5	19.3
4 21	12 12.25	+17 20.8	1.430	2.301	15.9	19.5
5 1	12 7.66	+16 38.5	1.495	2.295	19.0	19.6

118711 2000 QT_{15} 3 28.9 133°.63 7°.2/19.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 52.43	+12 21.6	1.915	2.757	13.0	19.4
3 2	12 48.80	+14 31.9	1.857	2.762	10.2	19.2
3 12	12 43.10	+16 43.1	1.824	2.768	7.9	19.1
3 22	12 35.94	+18 44.8	1.818	2.772	7.3	19.0
4 1	12 28.19	+20 26.8	1.840	2.777	8.8	19.1
4 11	12 20.82	+21 42.1	1.889	2.782	11.4	19.3
4 21	12 14.67	+22 27.9	1.960	2.786	14.1	19.5
5 1	12 10.37	+22 44.7	2.050	2.790	16.4	19.7

293933 2007 TX_{6} 3 28.9 142°.92 0°.7/29.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 55.56	− 6 43.7	2.477	3.263	12.1	21.0
3 2	12 50.70	− 6 38.6	2.391	3.269	9.4	20.8
3 12	12 44.11	− 6 23.2	2.329	3.276	6.3	20.6
3 22	12 36.32	− 5 59.7	2.295	3.282	2.8	20.4
4 1	12 28.02	− 5 31.3	2.290	3.288	1.1	20.2
4 11	12 19.98	− 5 2.1	2.315	3.293	4.5	20.5
4 21	12 12.92	− 4 35.9	2.368	3.299	7.8	20.7
5 1	12 7.37	− 4 16.3	2.447	3.304	10.7	20.9

188111 2002 AX_{36} 3 28.9 159°.27 4°.9/23.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 55.05	+ 8 22.5	2.115	2.945	12.4	20.2
3 2	12 50.56	+ 9 35.8	2.046	2.950	9.5	20.0
3 12	12 44.12	+10 51.9	2.001	2.954	6.6	19.9
3 22	12 36.34	+12 3.7	1.984	2.958	4.9	19.8
4 1	12 28.02	+13 4.1	1.995	2.962	6.0	19.8
4 11	12 20.05	+13 47.6	2.034	2.965	8.7	20.0
4 21	12 13.23	+14 11.1	2.099	2.968	11.6	20.2
5 1	12 8.16	+14 14.1	2.185	2.971	14.2	20.4

45842 2000 RC_{66} 3 28.9 243°.39 2°.5/26.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 55.48	− 1 8.8	1.850	2.669	14.3	19.7
3 2	12 51.42	− 0 1.8	1.751	2.653	11.0	19.4
3 12	12 45.02	+ 1 19.5	1.677	2.636	7.1	19.1
3 22	12 36.84	+ 2 48.9	1.628	2.618	3.2	18.9
4 1	12 27.74	+ 4 18.4	1.609	2.600	3.7	18.9
4 11	12 18.81	+ 5 38.8	1.618	2.581	7.8	19.1
4 21	12 11.05	+ 6 43.1	1.652	2.561	12.0	19.3
5 1	12 5.29	+ 7 26.7	1.710	2.540	15.7	19.4

372023 2008 PU_{20} 3 28.9 158°.69 4°.3/23.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 55.02	+ 8 43.0	2.471	3.293	11.0	20.9
3 2	12 50.24	+ 9 45.1	2.400	3.300	8.5	20.8
3 12	12 43.78	+10 48.8	2.355	3.306	5.9	20.6
3 22	12 36.17	+11 48.6	2.338	3.312	4.3	20.5
4 1	12 28.10	+12 38.6	2.351	3.317	5.2	20.6
4 11	12 20.36	+13 14.4	2.392	3.322	7.6	20.7
4 21	12 13.60	+13 33.5	2.459	3.326	10.2	20.9
5 1	12 8.36	+13 35.4	2.549	3.330	12.6	21.1

344278 2001 TM_{153} 3 28.9 170°.99 2°.8/25.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 54.28	+ 5 4.1	2.705	3.521	10.4	21.3
3 2	12 49.56	+ 5 41.7	2.625	3.523	7.9	21.1
3 12	12 43.29	+ 6 22.6	2.570	3.526	5.2	20.9
3 22	12 35.97	+ 7 2.6	2.544	3.528	3.0	20.8
4 1	12 28.20	+ 7 37.3	2.547	3.529	3.6	20.8
4 11	12 20.70	+ 8 2.9	2.581	3.531	6.1	21.0
4 21	12 14.06	+ 8 16.9	2.641	3.531	8.8	21.1
5 1	12 8.80	+ 8 17.8	2.726	3.532	11.2	21.3

232233 2002 LE_{61} 3 28.9 196°.61 2°.1/26.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 52.82	− 0 19.0	2.213	3.030	12.4	21.0
3 2	12 48.84	+ 0 34.9	2.128	3.028	9.4	20.8
3 12	12 43.03	+ 1 38.2	2.068	3.026	6.0	20.6
3 22	12 35.91	+ 2 45.7	2.035	3.024	2.7	20.3
4 1	12 28.22	+ 3 51.6	2.031	3.022	3.0	20.3
4 11	12 20.80	+ 4 49.4	2.056	3.019	6.4	20.6
4 21	12 14.38	+ 5 34.7	2.108	3.017	9.8	20.8
5 1	12 9.57	+ 6 4.2	2.184	3.014	12.8	20.9

506212 2016 HE_{6} 3 28.9 317°.64 0°.4/28.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 48.45	− 7 14.3	1.484	2.312	16.8	20.6
3 2	12 46.59	− 6 21.5	1.385	2.289	13.1	20.3
3 12	12 42.18	− 5 5.4	1.307	2.266	8.7	20.0
3 22	12 35.75	− 3 30.6	1.253	2.244	3.6	19.6
4 1	12 28.25	− 1 45.3	1.225	2.223	2.0	19.4
4 11	12 20.89	− 0 1.1	1.223	2.202	7.5	19.7
4 21	12 14.85	+ 1 31.0	1.245	2.182	12.7	19.9
5 1	12 11.07	+ 2 42.2	1.289	2.163	17.2	20.1

380147 1999 UR_{60} 3 28.9 171°.99 4°.5/ 3.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 56.52	−22 9.1	3.050	3.744	12.0	22.5
3 2	12 51.27	−22 23.2	2.949	3.748	10.1	22.4
3 12	12 44.44	−22 21.7	2.870	3.752	8.0	22.2
3 22	12 36.47	−22 4.0	2.817	3.756	5.9	22.1
4 1	12 27.97	−21 31.3	2.792	3.758	4.5	22.0
4 11	12 19.66	−20 46.3	2.798	3.760	5.0	22.0
4 21	12 12.17	−19 53.5	2.832	3.761	6.8	22.1
5 1	12 6.04	−18 57.8	2.894	3.761	8.9	22.3

288720 2004 RW_{30} 3 28.9 161°.53 1°.5/27.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 56.90	− 3 16.1	1.770	2.584	15.1	21.5
3 2	12 52.37	− 2 21.2	1.692	2.589	11.5	21.3
3 12	12 45.51	− 1 12.3	1.637	2.594	7.4	21.1
3 22	12 36.98	+ 0 5.1	1.608	2.599	3.0	20.8
4 1	12 27.74	+ 1 23.2	1.608	2.603	2.7	20.8
4 11	12 18.91	+ 2 33.7	1.636	2.606	7.0	21.1
4 21	12 11.45	+ 3 30.1	1.690	2.608	11.2	21.3
5 1	12 6.07	+ 4 8.3	1.767	2.610	14.7	21.5

23002 Jillhirsch 3 28.9 319°.31 1°.6/27.7 18 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 57.69	− 0 47.9	1.492	2.321	16.7	18.8
3 2	12 53.51	− 0 34.4	1.411	2.316	12.8	18.5
3 12	12 46.56	− 0 10.0	1.351	2.311	8.3	18.3
3 22	12 37.51	+ 0 20.5	1.316	2.307	3.5	17.9
4 1	12 27.49	+ 0 50.8	1.307	2.303	2.8	17.9
4 11	12 17.84	+ 1 14.2	1.325	2.299	7.7	18.2
4 21	12 9.76	+ 1 25.4	1.366	2.295	12.4	18.4
5 1	12 4.16	+ 1 21.0	1.429	2.292	16.6	18.7

221209 2005 UZ_{76} 3 28.9 152°.28 5°.3/22.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 55.44	+10 33.9	2.268	3.095	11.7	21.0
3 2	12 50.71	+11 54.0	2.203	3.104	9.1	20.9
3 12	12 44.15	+13 14.9	2.164	3.112	6.6	20.7
3 22	12 36.35	+14 29.6	2.152	3.119	5.3	20.7
4 1	12 28.06	+15 31.3	2.170	3.126	6.4	20.7
4 11	12 20.14	+16 14.9	2.215	3.133	8.8	20.9
4 21	12 13.31	+16 38.1	2.286	3.138	11.4	21.1
5 1	12 8.14	+16 40.6	2.378	3.143	13.8	21.3

425175 2009 UD_{20} 3 28.9 98°.81 2°.0/30.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 57.82	−11 29.2	2.220	2.989	13.9	22.7
3 2	12 52.48	−11 22.2	2.151	3.015	10.9	22.5
3 12	12 45.26	−11 0.6	2.105	3.041	7.6	22.4
3 22	12 36.79	−10 26.3	2.086	3.066	4.0	22.2
4 1	12 27.88	− 9 42.9	2.095	3.091	2.0	22.1
4 11	12 19.41	− 8 55.6	2.135	3.115	4.7	22.3
4 21	12 12.14	− 8 9.8	2.202	3.138	8.0	22.6
5 1	12 6.62	− 7 30.0	2.296	3.161	11.0	22.8

63567 2001 QK_{19} 3 28.9 114°.46 0°.2/28.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 57.49	− 6 45.0	1.587	2.396	16.8	19.6
3 2	12 52.98	− 6 1.8	1.518	2.411	12.9	19.4
3 12	12 45.95	− 5 1.0	1.471	2.425	8.4	19.1
3 22	12 37.17	− 3 47.6	1.449	2.439	3.5	18.9
4 1	12 27.70	− 2 29.4	1.455	2.453	1.7	18.8
4 11	12 18.78	− 1 15.5	1.489	2.466	6.6	19.1
4 21	12 11.44	− 0 13.3	1.548	2.478	11.1	19.4
5 1	12 6.38	+ 0 32.0	1.630	2.490	14.9	19.7

72523 2001 DC_{91} 3 28.9 357°.87 7°.0/ 4.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 51.53	−23 31.8	1.757	2.494	18.1	18.7
3 2	12 48.64	−23 57.8	1.668	2.492	15.5	18.5
3 12	12 43.32	−23 57.6	1.597	2.491	12.5	18.3
3 22	12 36.16	−23 29.3	1.547	2.490	9.4	18.2
4 1	12 28.12	−22 33.8	1.522	2.490	7.3	18.0
4 11	12 20.37	−21 16.8	1.522	2.490	7.6	18.0
4 21	12 13.95	−19 46.9	1.547	2.491	10.1	18.2
5 1	12 9.67	−18 14.2	1.596	2.492	13.3	18.4

52727 1998 GG_{9} 3 28.9 291°.69 8°.8/18.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 57.12	+23 40.0	2.253	3.071	12.1	19.1
3 2	12 52.25	+24 46.9	2.180	3.055	10.4	19.0
3 12	12 45.32	+25 45.1	2.132	3.039	9.1	18.9
3 22	12 36.90	+26 27.0	2.108	3.024	8.9	18.8
4 1	12 27.83	+26 46.3	2.110	3.008	10.0	18.9
4 11	12 19.10	+26 39.4	2.137	2.992	11.9	18.9
4 21	12 11.55	+26 6.3	2.186	2.977	14.0	19.1
5 1	12 5.84	+25 9.2	2.254	2.961	16.0	19.2

2020	α_{2000}	δ_{2000}	Δ	r	β	V
501867 2014 WX_{285}			3 28.9 107°.41	5°.8/23.1 18		
	h m	° ′			°	m
2 21	12 54.96	+ 8 51.6	1.756	2.595	14.1	20.7
3 2	12 50.86	+10 12.2	1.692	2.601	10.8	20.5
3 12	12 44.50	+11 35.7	1.653	2.607	7.6	20.3
3 22	12 36.56	+12 53.4	1.639	2.613	5.9	20.2
4 1	12 28.00	+13 56.6	1.653	2.619	7.1	20.3
4 11	12 19.91	+14 38.7	1.693	2.625	10.0	20.5
4 21	12 13.18	+14 56.9	1.757	2.630	13.3	20.7
5 1	12 8.49	+14 51.1	1.840	2.636	16.2	20.9
429603 2011 EX_{84}			3 28.9 325°.99	2°.4/26.6 17		
2 21	12 50.86	− 1 13.0	1.642	2.476	15.1	21.0
3 2	12 48.04	− 0 16.7	1.558	2.467	11.5	20.7
3 12	12 42.88	+ 0 53.5	1.495	2.458	7.4	20.5
3 22	12 35.97	+ 2 11.3	1.458	2.449	3.3	20.2
4 1	12 28.24	+ 3 28.3	1.448	2.441	3.6	20.2
4 11	12 20.80	+ 4 35.7	1.465	2.433	7.8	20.4
4 21	12 14.64	+ 5 26.6	1.506	2.426	12.1	20.6
5 1	12 10.55	+ 5 56.8	1.568	2.419	15.9	20.9
269646 1991 VR_{9}			3 28.9 199°.06	4°.2/24.2 18		
2 21	12 57.26	+ 8 44.7	2.415	3.234	11.4	21.3
3 2	12 52.07	+ 9 32.2	2.333	3.231	8.8	21.1
3 12	12 45.06	+10 21.4	2.276	3.227	6.1	20.9
3 22	12 36.77	+11 6.7	2.246	3.222	4.3	20.8
4 1	12 27.91	+11 42.9	2.247	3.217	5.1	20.8
4 11	12 19.33	+12 5.4	2.276	3.211	7.6	21.0
4 21	12 11.77	+12 12.0	2.331	3.205	10.4	21.1
5 1	12 5.81	+12 2.0	2.410	3.198	13.0	21.3
31118 1997 RN_{1}			3 28.9 218°.50	1°.3/30.2 18		
2 21	12 56.26	− 9 40.4	2.378	3.154	12.9	21.1
3 2	12 51.49	− 9 22.7	2.273	3.144	10.2	20.9
3 12	12 44.82	− 8 51.2	2.191	3.133	7.0	20.7
3 22	12 36.72	− 8 7.6	2.136	3.121	3.4	20.5
4 1	12 27.91	− 7 15.6	2.111	3.108	1.4	20.3
4 11	12 19.26	− 6 20.4	2.116	3.095	4.8	20.5
4 21	12 11.55	− 5 27.3	2.149	3.081	8.4	20.7
5 1	12 5.45	− 4 41.4	2.207	3.066	11.6	20.9
389537 2010 JE_{149}			3 28.9 256°.18	2°.5/26.0 18		
2 21	12 52.45	+ 1 53.4	2.299	3.119	11.8	20.7
3 2	12 48.54	+ 2 39.0	2.209	3.111	9.0	20.5
3 12	12 42.85	+ 3 31.8	2.145	3.104	5.8	20.3
3 22	12 35.88	+ 4 26.9	2.108	3.096	2.9	20.1
4 1	12 28.31	+ 5 18.9	2.099	3.088	3.4	20.1
4 11	12 20.97	+ 6 2.3	2.120	3.079	6.5	20.3
4 21	12 14.58	+ 6 33.0	2.167	3.071	9.8	20.5
5 1	12 9.73	+ 6 48.7	2.237	3.063	12.7	20.6
2245 Hekatostos			3 28.9 129°.04	6°.1/22.5 18		
2 21	12 57.01	+12 12.1	2.024	2.854	12.8	16.3
3 2	12 52.10	+13 21.8	1.963	2.864	10.0	16.1
3 12	12 45.14	+14 30.4	1.927	2.874	7.4	16.0
3 22	12 36.79	+15 30.6	1.918	2.883	6.1	15.9
4 1	12 27.94	+16 15.2	1.937	2.892	7.1	16.0
4 11	12 19.54	+16 39.7	1.983	2.901	9.6	16.1
4 21	12 12.42	+16 42.3	2.053	2.909	12.4	16.3
5 1	12 7.18	+16 23.8	2.144	2.917	14.9	16.5
499452 2010 EU_{95}			3 28.9 278°.86	1°.7/27.1 17		
2 21	12 52.92	− 1 0.8	2.071	2.889	13.0	21.2
3 2	12 49.10	− 0 23.0	1.983	2.883	9.9	21.0
3 12	12 43.32	+ 0 24.6	1.918	2.877	6.4	20.8
3 22	12 36.10	+ 1 17.5	1.880	2.870	2.7	20.5
4 1	12 28.23	+ 2 10.0	1.870	2.864	2.6	20.5
4 11	12 20.60	+ 2 55.9	1.889	2.857	6.3	20.7
4 21	12 14.04	+ 3 30.7	1.934	2.851	10.0	21.0
5 1	12 9.18	+ 3 50.8	2.002	2.845	13.3	21.1
134572 1999 RV_{248}			3 28.9 271°.35	0°.5/29.3 17		
2 21	12 56.44	− 6 44.8	1.711	2.517	15.9	20.9
3 2	12 52.50	− 6 28.5	1.606	2.496	12.5	20.7
3 12	12 45.96	− 5 56.0	1.523	2.475	8.4	20.4
3 22	12 37.35	− 5 9.7	1.464	2.453	3.7	20.0
4 1	12 27.61	− 4 14.7	1.433	2.431	1.5	19.8
4 11	12 17.94	− 3 18.4	1.429	2.408	6.6	20.1
4 21	12 9.51	− 2 28.0	1.450	2.385	11.4	20.3
5 1	12 3.28	− 1 50.2	1.495	2.362	15.7	20.5
38744 2000 QE_{186}			3 28.9 130°.34	2°.1/27.2 18		
2 21	12 59.93	+ 0 1.7	1.655	2.475	15.7	19.5
3 2	12 54.79	+ 0 31.2	1.583	2.484	12.0	19.3
3 12	12 47.14	+ 1 10.4	1.534	2.493	7.7	19.1
3 22	12 37.69	+ 1 53.8	1.511	2.501	3.3	18.8
4 1	12 27.53	+ 2 34.8	1.516	2.509	3.2	18.8
4 11	12 17.87	+ 3 6.9	1.548	2.517	7.4	19.1
4 21	12 9.75	+ 3 25.5	1.606	2.524	11.6	19.4
5 1	12 3.93	+ 3 28.0	1.686	2.531	15.3	19.6

2020	α_{2000}	δ_{2000}	Δ	r	β	V
471462 2011 UH_{235}			3 28.9 240°.50	3°.8/ 3.1 16		
	h m	° ′			°	m
2 21	12 51.61	−20 18.0	2.913	3.632	12.0	22.4
3 2	12 47.70	−20 8.0	2.796	3.617	10.0	22.3
3 12	12 42.23	−19 41.2	2.702	3.602	7.7	22.1
3 22	12 35.62	−18 57.6	2.633	3.587	5.4	21.9
4 1	12 28.44	−17 59.1	2.593	3.571	3.8	21.8
4 11	12 21.38	−16 49.6	2.582	3.555	4.6	21.8
4 21	12 15.06	−15 34.2	2.600	3.538	6.8	21.9
5 1	12 10.03	−14 18.5	2.645	3.521	9.4	22.1
8642 Shawnkerry			3 28.9 218°.44	0°.1/28.9 18		
2 21	12 52.66	− 5 23.9	3.260	4.043	9.5	19.4
3 2	12 48.19	− 5 3.2	3.154	4.032	7.4	19.3
3 12	12 42.39	− 4 34.3	3.073	4.021	4.8	19.1
3 22	12 35.65	− 3 59.6	3.021	4.010	2.0	18.9
4 1	12 28.45	− 3 21.7	3.000	3.998	0.9	18.7
4 11	12 21.37	− 2 44.3	3.010	3.985	3.8	18.9
4 21	12 14.95	− 2 10.5	3.049	3.972	6.5	19.1
5 1	12 9.62	− 1 43.1	3.115	3.958	9.0	19.3
217025 2001 OK_{14}			3 28.9 203°.01	3°.8/ 2.2 18		
2 21	12 57.59	−18 9.1	2.713	3.436	12.7	21.6
3 2	12 52.34	−18 15.7	2.604	3.430	10.5	21.4
3 12	12 45.29	−18 6.5	2.517	3.423	8.0	21.2
3 22	12 36.91	−17 41.3	2.456	3.415	5.4	21.1
4 1	12 27.87	−17 1.7	2.425	3.406	3.8	20.9
4 11	12 18.96	−16 11.3	2.424	3.396	4.8	21.0
4 21	12 10.93	−15 15.1	2.452	3.385	7.4	21.1
5 1	12 4.40	−14 18.5	2.506	3.374	10.1	21.3
189488 1999 XS_{106}			3 28.9 171°.72	3°.8/ 2.7 17		
2 21	12 53.61	−19 12.1	2.501	3.232	13.5	20.3
3 2	12 49.36	−19 1.0	2.404	3.235	11.1	20.1
3 12	12 43.35	−18 31.2	2.329	3.237	8.4	20.0
3 22	12 36.09	−17 43.3	2.280	3.240	5.6	19.8
4 1	12 28.26	−16 40.0	2.259	3.241	3.9	19.7
4 11	12 20.67	−15 26.2	2.267	3.242	4.8	19.7
4 21	12 14.04	−14 8.0	2.304	3.243	7.5	19.9
5 1	12 8.95	−12 51.9	2.367	3.243	10.3	20.1
419381 2009 YX_{11}			3 28.9 80°.20	3°.5/25.4 18		
2 21	12 54.87	+ 4 15.1	1.916	2.746	13.5	20.6
3 2	12 50.61	+ 5 2.8	1.846	2.752	10.2	20.4
3 12	12 44.27	+ 5 56.0	1.799	2.758	6.7	20.2
3 22	12 36.48	+ 6 48.7	1.779	2.764	3.8	20.0
4 1	12 28.10	+ 7 34.3	1.787	2.770	4.5	20.1
4 11	12 20.13	+ 8 7.1	1.822	2.777	7.8	20.3
4 21	12 13.41	+ 8 23.5	1.883	2.783	11.2	20.5
5 1	12 8.55	+ 8 22.3	1.965	2.789	14.2	20.7
109997 2001 SA_{62}			3 28.9 140°.57	1°.5/27.5 18		
2 21	12 59.05	− 0 10.1	1.988	2.798	13.8	20.1
3 2	12 53.75	+ 0 7.1	1.910	2.805	10.5	19.9
3 12	12 46.29	+ 0 32.1	1.856	2.812	6.8	19.7
3 22	12 37.32	+ 1 0.8	1.829	2.819	2.8	19.5
4 1	12 27.72	+ 1 28.4	1.830	2.825	2.5	19.4
4 11	12 18.52	+ 1 49.8	1.861	2.831	6.3	19.7
4 21	12 10.58	+ 2 1.4	1.918	2.836	10.1	19.9
5 1	12 4.59	+ 2 0.7	1.999	2.841	13.3	20.1
506844 2007 TF_{408}			3 28.9 120°.79	3°.9/ 3.1 17		
2 21	12 51.80	−20 14.2	2.515	3.243	13.5	22.3
3 2	12 47.93	−19 56.6	2.425	3.253	11.1	22.2
3 12	12 42.38	−19 19.7	2.358	3.263	8.5	22.0
3 22	12 35.67	−18 24.4	2.315	3.272	5.8	21.9
4 1	12 28.48	−17 13.7	2.301	3.282	4.0	21.8
4 11	12 21.57	−15 52.7	2.315	3.291	4.8	21.8
4 21	12 15.61	−14 27.8	2.359	3.299	7.3	22.0
5 1	12 11.14	−13 5.6	2.428	3.308	9.9	22.2
1225 Ariane			3 28.9 65°.36	0°.2/28.7 18		
2 21	12 58.33	− 4 46.2	1.324	2.150	18.5	15.3
3 2	12 54.18	− 4 33.6	1.256	2.158	14.3	15.1
3 12	12 47.05	− 4 4.7	1.208	2.166	9.4	14.8
3 22	12 37.75	− 3 24.0	1.184	2.174	3.9	14.5
4 1	12 27.53	− 2 38.2	1.185	2.183	1.9	14.4
4 11	12 17.90	− 1 55.9	1.211	2.191	7.4	14.8
4 21	12 10.10	− 1 24.0	1.262	2.199	12.5	15.1
5 1	12 5.01	− 1 7.4	1.334	2.208	16.8	15.3
421576 2014 OL_{194}			3 28.9 243°.00	2°.2/26.8 17		
2 21	12 55.58	− 1 37.3	1.702	2.524	15.2	22.2
3 2	12 51.67	− 0 40.5	1.610	2.513	11.7	21.9
3 12	12 45.29	+ 0 30.7	1.541	2.500	7.5	21.7
3 22	12 37.02	+ 1 50.4	1.497	2.488	3.3	21.4
4 1	12 27.82	+ 3 10.4	1.482	2.475	3.4	21.4
4 11	12 18.86	+ 4 21.8	1.494	2.461	7.8	21.6
4 21	12 11.19	+ 5 17.2	1.531	2.447	12.3	21.8
5 1	12 5.68	+ 5 52.3	1.590	2.433	16.2	22.0

164797 1999 GJ_{24} 3 28.9 344°.15 1°.5/27.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 44.46	− 5 50.6	1.034	1.895	20.0	19.0
3 2	12 44.29	− 4 50.1	0.959	1.881	15.5	18.6
3 12	12 41.05	− 3 21.4	0.902	1.869	10.1	18.3
3 22	12 35.41	− 1 31.7	0.866	1.859	4.0	17.9
4 1	12 28.56	+ 0 26.2	0.853	1.850	3.2	17.8
4 11	12 22.09	+ 2 15.8	0.862	1.842	9.5	18.1
4 21	12 17.40	+ 3 43.3	0.892	1.837	15.4	18.4
5 1	12 15.52	+ 4 40.1	0.940	1.833	20.5	18.7

106361 2000 VK_{7} 3 28.9 249°.70 2°.6/26.0 17

2 21	12 54.17	+ 3 48.0	2.433	3.251	11.3	19.2
3 2	12 49.73	+ 4 17.2	2.347	3.247	8.6	19.0
3 12	12 43.56	+ 4 50.8	2.285	3.242	5.6	18.8
3 22	12 36.18	+ 5 24.6	2.251	3.238	3.0	18.6
4 1	12 28.25	+ 5 54.0	2.246	3.233	3.4	18.6
4 11	12 20.57	+ 6 14.9	2.270	3.228	6.3	18.8
4 21	12 13.82	+ 6 24.3	2.322	3.223	9.3	19.0
5 1	12 8.57	+ 6 20.7	2.396	3.218	12.0	19.2

322994 2002 OJ_{22} 3 28.9 98°.13 16°.2/10.9 18

2 21	12 54.55	+22 54.8	1.063	1.928	19.3	20.2
3 2	12 52.11	+27 5.3	1.036	1.935	17.0	20.1
3 12	12 46.08	+30 58.7	1.031	1.941	16.2	20.1
3 22	12 37.42	+34 10.8	1.048	1.947	17.3	20.2
4 1	12 27.71	+36 24.5	1.086	1.953	19.6	20.3
4 11	12 18.83	+37 34.2	1.141	1.959	22.3	20.5
4 21	12 12.25	+37 44.6	1.210	1.965	24.8	20.7
5 1	12 8.88	+37 5.6	1.289	1.971	26.9	20.9

301289 2009 BR_{112} 3 28.9 247°.91 1°.9/26.3 17

2 21	12 50.24	− 0 46.3	2.430	3.246	11.4	20.7
3 2	12 46.78	+ 0 16.3	2.339	3.239	8.6	20.5
3 12	12 41.67	+ 1 28.5	2.274	3.232	5.5	20.3
3 22	12 35.40	+ 2 45.5	2.236	3.226	2.5	20.1
4 1	12 28.60	+ 4 1.4	2.228	3.219	2.8	20.1
4 11	12 22.00	+ 5 10.0	2.250	3.212	6.0	20.3
4 21	12 16.26	+ 6 6.6	2.298	3.204	9.2	20.4
5 1	12 11.94	+ 6 47.8	2.371	3.197	12.0	20.6

521245 2015 HO_{190} 3 28.9 310°.57 2°.8/26.0 16

2 21	12 51.97	+ 2 20.3	2.019	2.848	12.9	21.3
3 2	12 48.52	+ 3 1.9	1.924	2.831	9.9	21.0
3 12	12 43.03	+ 3 51.4	1.854	2.814	6.4	20.8
3 22	12 36.04	+ 4 43.5	1.809	2.797	3.3	20.5
4 1	12 28.30	+ 5 32.1	1.793	2.781	3.8	20.5
4 11	12 20.74	+ 6 11.1	1.804	2.765	7.3	20.7
4 21	12 14.22	+ 6 35.9	1.840	2.749	10.9	20.9
5 1	12 9.45	+ 6 43.8	1.899	2.734	14.2	21.1

82456 2001 OF_{14} 3 28.9 113°.46 3°.9/23.5 18

2 21	12 52.13	+ 6 46.1	2.586	3.410	10.6	19.0
3 2	12 47.95	+ 8 6.6	2.526	3.428	8.0	18.8
3 12	12 42.27	+ 9 30.0	2.491	3.445	5.4	18.7
3 22	12 35.59	+10 50.3	2.486	3.462	3.9	18.6
4 1	12 28.55	+12 1.6	2.510	3.478	4.8	18.7
4 11	12 21.83	+12 59.1	2.564	3.495	7.1	18.9
4 21	12 16.02	+13 40.0	2.643	3.510	9.6	19.1
5 1	12 11.59	+14 3.0	2.746	3.525	11.8	19.2

253200 2002 XW_{69} 3 28.9 85°.82 3°.1/26.0 18

2 21	12 58.75	+ 2 17.9	1.801	2.623	14.5	20.7
3 2	12 53.45	+ 3 10.9	1.749	2.651	10.9	20.5
3 12	12 45.99	+ 4 10.6	1.721	2.679	7.0	20.3
3 22	12 37.14	+ 5 10.5	1.720	2.707	3.6	20.2
4 1	12 27.87	+ 6 3.4	1.747	2.734	4.1	20.3
4 11	12 19.24	+ 6 43.4	1.802	2.761	7.5	20.5
4 21	12 12.08	+ 7 7.1	1.883	2.787	11.0	20.8
5 1	12 6.97	+ 7 13.3	1.987	2.813	14.0	21.0

71995 2000 WW_{177} 3 28.9 25°.85 1°.4/29.9 18

2 21	12 53.74	− 8 34.5	1.247	2.074	19.4	19.2
3 2	12 50.83	− 8 27.3	1.181	2.081	15.2	19.0
3 12	12 44.96	− 7 58.8	1.133	2.088	10.3	18.7
3 22	12 36.91	− 7 12.5	1.108	2.096	4.8	18.4
4 1	12 27.95	− 6 14.9	1.107	2.105	1.9	18.3
4 11	12 19.54	− 5 15.8	1.131	2.115	7.0	18.6
4 21	12 12.95	− 4 24.1	1.178	2.126	12.2	18.9
5 1	12 9.02	− 3 46.9	1.246	2.137	16.6	19.2

459496 2013 CH_{172} 3 28.9 313°.23 2°.1/30.3 17

2 21	12 53.32	− 8 52.3	1.251	2.077	19.4	20.7
3 2	12 51.02	− 9 3.1	1.155	2.054	15.6	20.3
3 12	12 45.53	− 8 53.3	1.077	2.030	10.9	20.0
3 22	12 37.37	− 8 23.8	1.020	2.007	5.5	19.6
4 1	12 27.64	− 7 38.4	0.987	1.985	2.4	19.3
4 11	12 17.93	− 6 45.6	0.978	1.963	7.7	19.6
4 21	12 9.81	− 5 55.0	0.991	1.942	13.5	19.8
5 1	12 4.56	− 5 15.9	1.024	1.922	18.8	20.0

276534 2003 SJ_{60} 3 28.9 165°.13 2°.7/25.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 52.59	+ 1 46.2	2.464	3.281	11.3	21.3
3 2	12 48.46	+ 2 59.6	2.385	3.286	8.5	21.2
3 12	12 42.70	+ 4 20.4	2.332	3.290	5.5	21.0
3 22	12 35.82	+ 5 43.2	2.308	3.294	3.0	20.8
4 1	12 28.45	+ 7 1.7	2.313	3.297	3.6	20.9
4 11	12 21.36	+ 8 9.9	2.348	3.300	6.5	21.0
4 21	12 15.18	+ 9 3.6	2.411	3.302	9.4	21.2
5 1	12 10.45	+ 9 40.5	2.497	3.304	12.1	21.4

80001 1999 FX_{38} 3 28.9 302°.54 1°.6/27.0 18

2 21	12 49.83	− 2 48.9	2.013	2.834	13.3	18.1
3 2	12 46.92	− 1 49.3	1.912	2.814	10.2	17.8
3 12	12 42.02	− 0 35.6	1.835	2.795	6.5	17.5
3 22	12 35.64	+ 0 47.0	1.785	2.776	2.7	17.3
4 1	12 28.50	+ 2 11.7	1.763	2.757	2.7	17.2
4 11	12 21.51	+ 3 30.6	1.769	2.738	6.7	17.4
4 21	12 15.51	+ 4 36.9	1.801	2.719	10.6	17.6
5 1	12 11.21	+ 5 25.7	1.857	2.701	14.1	17.8

428387 2007 RH_{300} 3 28.9 238°.60 2°.8/26.1 17

2 21	12 57.70	+ 4 30.0	2.361	3.175	11.8	21.2
3 2	12 52.53	+ 4 53.2	2.267	3.164	9.0	21.0
3 12	12 45.46	+ 5 20.3	2.197	3.153	5.9	20.8
3 22	12 37.01	+ 5 47.0	2.156	3.142	3.2	20.6
4 1	12 27.90	+ 6 8.8	2.144	3.130	3.6	20.6
4 11	12 19.00	+ 6 21.5	2.161	3.118	6.6	20.7
4 21	12 11.10	+ 6 22.4	2.206	3.106	9.8	20.9
5 1	12 4.83	+ 6 9.9	2.275	3.093	12.7	21.1

501448 2014 AX_{33} 3 28.9 94°.62 4°.9/23.1 17

2 21	12 52.83	+ 9 16.6	2.197	3.029	11.9	21.6
3 2	12 48.80	+10 27.4	2.133	3.038	9.1	21.5
3 12	12 42.98	+11 39.6	2.094	3.046	6.4	21.3
3 22	12 35.94	+12 46.7	2.082	3.054	5.0	21.2
4 1	12 28.42	+13 42.1	2.098	3.062	6.0	21.3
4 11	12 21.26	+14 20.8	2.142	3.070	8.5	21.5
4 21	12 15.17	+14 40.3	2.211	3.078	11.2	21.7
5 1	12 10.71	+14 40.1	2.301	3.086	13.6	21.8

433752 2015 AG_{279} 3 28.9 249°.66 3°.3/25.5 17

2 21	12 54.01	+ 3 33.0	2.040	2.866	12.9	20.8
3 2	12 49.98	+ 4 24.3	1.955	2.860	9.8	20.6
3 12	12 43.92	+ 5 22.5	1.894	2.853	6.4	20.4
3 22	12 36.39	+ 6 21.8	1.860	2.846	3.6	20.2
4 1	12 28.19	+ 7 15.6	1.855	2.839	4.3	20.2
4 11	12 20.26	+ 7 57.7	1.877	2.832	7.6	20.4
4 21	12 13.43	+ 8 24.1	1.925	2.825	11.0	20.6
5 1	12 8.37	+ 8 32.6	1.995	2.817	14.1	20.8

300048 2006 UC_{141} 3 28.9 141°.36 2°.0/31.5 17

2 21	12 51.01	−13 19.8	2.588	3.353	12.2	21.5
3 2	12 47.26	−12 56.2	2.497	3.357	9.7	21.4
3 12	12 41.94	−12 17.6	2.429	3.361	6.9	21.2
3 22	12 35.51	−11 26.0	2.387	3.365	3.8	21.0
4 1	12 28.61	−10 24.7	2.375	3.369	2.0	20.9
4 11	12 21.93	− 9 18.9	2.392	3.373	4.1	21.0
4 21	12 16.13	− 8 13.8	2.437	3.376	7.2	21.2
5 1	12 11.70	− 7 14.4	2.509	3.379	10.0	21.4

268996 2007 EG_{105} 3 28.9 119°.33 0°.1/28.8 17

2 21	12 55.53	− 5 13.9	1.900	2.707	14.5	21.5
3 2	12 51.22	− 4 52.0	1.820	2.712	11.2	21.3
3 12	12 44.74	− 4 17.3	1.763	2.717	7.3	21.0
3 22	12 36.73	− 3 33.2	1.732	2.722	3.0	20.8
4 1	12 28.06	− 2 45.1	1.729	2.727	1.4	20.7
4 11	12 19.74	− 1 59.2	1.754	2.732	5.8	21.0
4 21	12 12.66	− 1 20.9	1.806	2.736	9.8	21.2
5 1	12 7.51	− 0 54.5	1.881	2.741	13.3	21.4

386550 2009 DT_{31} 3 28.9 56°.03 2°.7/31.3 17

2 21	12 57.55	−11 9.9	2.147	2.920	14.1	20.8
3 2	12 52.57	−11 38.2	2.063	2.928	11.3	20.6
3 12	12 45.54	−11 53.4	2.003	2.937	8.0	20.4
3 22	12 37.05	−11 55.9	1.968	2.946	4.6	20.2
4 1	12 27.91	−11 47.6	1.962	2.955	2.7	20.1
4 11	12 19.08	−11 32.2	1.985	2.964	5.0	20.3
4 21	12 11.39	−11 14.1	2.035	2.973	8.4	20.5
5 1	12 5.52	−10 57.8	2.110	2.982	11.5	20.7

318110 2004 JK_{2} 3 28.9 292°.95 1°.7/30.4 17

2 21	12 53.09	−10 12.2	1.702	2.503	16.2	21.1
3 2	12 49.85	− 9 56.9	1.604	2.489	12.9	20.9
3 12	12 44.18	− 9 22.4	1.528	2.475	8.9	20.6
3 22	12 36.62	− 8 30.7	1.475	2.461	4.4	20.3
4 1	12 28.08	− 7 26.4	1.450	2.447	1.9	20.1
4 11	12 19.73	− 6 17.3	1.451	2.433	6.0	20.3
4 21	12 12.63	− 5 11.5	1.478	2.420	10.6	20.5
5 1	12 7.65	− 4 16.3	1.527	2.406	14.8	20.8

289931 2005 NW_{32} 3 28.9 254°.13 1°.3/27.2 17 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 50.65	− 2 33.2	2.346	3.158	11.9	20.7
3 2	12 47.14	− 1 41.0	2.256	3.153	9.1	20.5
3 12	12 41.95	− 0 38.1	2.191	3.148	5.8	20.3
3 22	12 35.55	+ 0 30.9	2.153	3.144	2.4	20.0
4 1	12 28.60	+ 1 40.5	2.145	3.139	2.2	20.0
4 11	12 21.88	+ 2 44.7	2.165	3.134	5.7	20.2
4 21	12 16.05	+ 3 38.4	2.213	3.129	9.0	20.4
5 1	12 11.70	+ 4 18.1	2.285	3.124	12.0	20.6

341549 2007 UX_{7} 3 28.9 183°.04 3°.8/ 2.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 53.35	−18 4.8	2.524	3.261	13.2	21.0
3 2	12 49.19	−18 8.3	2.426	3.261	10.9	20.9
3 12	12 43.28	−17 55.0	2.350	3.261	8.2	20.7
3 22	12 36.11	−17 25.1	2.300	3.261	5.5	20.5
4 1	12 28.35	−16 40.6	2.278	3.260	3.8	20.4
4 11	12 20.80	−15 45.8	2.284	3.259	4.9	20.5
4 21	12 14.16	−14 45.9	2.319	3.258	7.5	20.6
5 1	12 9.02	−13 46.7	2.380	3.257	10.2	20.8

70674 1999 TD_{320} 3 28.9 95°.10 3°.2/31.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 57.68	−12 30.8	1.636	2.422	17.3	19.5
3 2	12 53.31	−12 43.7	1.556	2.428	13.9	19.3
3 12	12 46.35	−12 37.3	1.498	2.435	9.9	19.1
3 22	12 37.47	−12 12.4	1.462	2.441	5.7	18.8
4 1	12 27.74	−11 32.5	1.454	2.448	3.2	18.7
4 11	12 18.41	−10 43.9	1.472	2.454	6.1	18.9
4 21	12 10.59	− 9 54.2	1.516	2.460	10.3	19.1
5 1	12 5.08	− 9 10.5	1.584	2.466	14.1	19.4

502326 2015 BW_{166} 3 28.9 182°.34 3°.5/25.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 54.06	+ 3 48.7	2.028	2.855	12.9	21.9
3 2	12 49.96	+ 4 49.7	1.950	2.855	9.8	21.7
3 12	12 43.88	+ 5 57.5	1.897	2.855	6.4	21.5
3 22	12 36.37	+ 7 5.7	1.870	2.855	3.8	21.3
4 1	12 28.25	+ 8 7.4	1.873	2.855	4.6	21.3
4 11	12 20.46	+ 8 56.2	1.903	2.854	7.7	21.5
4 21	12 13.79	+ 9 28.0	1.958	2.854	11.1	21.7
5 1	12 8.90	+ 9 41.0	2.037	2.853	14.1	21.9

156669 2002 JY_{108} 3 28.9 261°.45 1°.4/27.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 51.62	−12 6.9	1.180	2.002	20.6	20.3
3 2	12 49.70	− 9 47.1	1.087	1.988	16.1	19.9
3 12	12 44.60	− 6 40.3	1.014	1.973	10.6	19.6
3 22	12 36.95	− 2 54.3	0.967	1.958	4.1	19.2
4 1	12 27.93	+ 1 11.8	0.947	1.943	3.5	19.1
4 11	12 19.18	+ 5 11.6	0.955	1.927	10.3	19.4
4 21	12 12.18	+ 8 40.9	0.988	1.911	16.6	19.7
5 1	12 8.05	+11 24.9	1.041	1.895	22.0	19.9

435970 2009 DY_{75} 3 28.9 86°.36 4°.0/ 1.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 55.76	−15 55.8	2.236	2.988	14.3	21.4
3 2	12 51.24	−16 21.6	2.145	2.991	11.7	21.2
3 12	12 44.72	−16 31.3	2.076	2.994	8.7	21.1
3 22	12 36.74	−16 24.9	2.032	2.997	5.8	20.9
4 1	12 28.07	−16 3.8	2.016	3.000	4.0	20.8
4 11	12 19.64	−15 31.8	2.028	3.003	5.3	20.9
4 21	12 12.28	−14 54.1	2.067	3.006	8.2	21.0
5 1	12 6.65	−14 16.1	2.132	3.010	11.2	21.2

502629 2015 CC_{30} 3 28.9 148°.93 1°.4/30.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 55.65	− 9 23.8	2.167	2.951	13.7	22.1
3 2	12 51.09	− 9 14.5	2.081	2.956	10.8	21.9
3 12	12 44.57	− 8 51.3	2.018	2.961	7.3	21.7
3 22	12 36.66	− 8 16.4	1.981	2.966	3.6	21.5
4 1	12 28.13	− 7 33.3	1.973	2.970	1.5	21.3
4 11	12 19.89	− 6 47.4	1.994	2.974	4.9	21.6
4 21	12 12.75	− 6 4.1	2.043	2.978	8.5	21.8
5 1	12 7.34	− 5 28.0	2.116	2.982	11.8	22.0

508442 2016 LM_{27} 3 28.9 255°.23 4°.2/24.0 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 53.76	+ 6 31.7	2.216	3.043	12.0	21.9
3 2	12 49.71	+ 7 37.2	2.123	3.027	9.2	21.7
3 12	12 43.74	+ 8 48.1	2.056	3.011	6.3	21.4
3 22	12 36.34	+ 9 58.1	2.015	2.995	4.3	21.3
4 1	12 28.25	+11 0.2	2.004	2.978	5.3	21.3
4 11	12 20.34	+11 48.4	2.021	2.961	8.2	21.5
4 21	12 13.42	+12 18.7	2.063	2.943	11.3	21.6
5 1	12 8.13	+12 29.3	2.128	2.925	14.2	21.8

362022 2008 YF_{22} 3 28.9 122°.12 1°.4/27.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 57.67	− 3 5.9	1.650	2.467	15.9	21.6
3 2	12 53.08	− 2 21.2	1.581	2.479	12.1	21.4
3 12	12 46.05	− 1 23.0	1.533	2.491	7.8	21.2
3 22	12 37.30	− 0 16.8	1.511	2.502	3.1	20.9
4 1	12 27.87	+ 0 49.8	1.517	2.513	2.6	20.9
4 11	12 18.94	+ 1 48.8	1.551	2.523	7.1	21.2
4 21	12 11.51	+ 2 34.1	1.610	2.533	11.3	21.5
5 1	12 6.30	+ 3 1.9	1.692	2.542	15.0	21.7

24481 2000 XO_{9} 3 28.9 115°.73 15°.5/ 8.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 8.09	−32 25.9	1.287	1.977	25.7	18.8
3 2	13 3.10	−34 47.8	1.218	1.987	23.2	18.6
3 12	12 53.83	−36 38.1	1.163	1.996	20.4	18.4
3 22	12 40.96	−37 45.5	1.125	2.006	17.8	18.3
4 1	12 26.10	−38 1.4	1.106	2.015	16.0	18.2
4 11	12 11.57	−37 26.4	1.107	2.024	15.6	18.2
4 21	11 59.53	−36 10.4	1.129	2.032	16.8	18.3
5 1	11 51.46	−34 29.6	1.171	2.040	19.0	18.5

211878 2004 HO_{55} 3 28.9 310°.20 6°.0/21.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 53.45	+13 4.0	2.200	3.034	11.8	19.9
3 2	12 49.37	+14 9.9	2.130	3.031	9.3	19.8
3 12	12 43.43	+15 14.7	2.084	3.029	7.0	19.6
3 22	12 36.17	+16 11.6	2.065	3.027	6.0	19.5
4 1	12 28.38	+16 54.2	2.074	3.025	7.0	19.6
4 11	12 20.91	+17 17.8	2.109	3.023	9.3	19.7
4 21	12 14.51	+17 20.6	2.169	3.021	11.9	19.9
5 1	12 9.78	+17 2.9	2.249	3.019	14.3	20.1

387138 2012 TM_{199} 3 28.9 130°.70 1°.4/27.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 54.24	− 0 49.1	2.413	3.221	11.7	22.1
3 2	12 49.73	− 0 17.1	2.335	3.229	8.9	21.9
3 12	12 43.54	+ 0 22.5	2.281	3.238	5.7	21.7
3 22	12 36.20	+ 1 5.7	2.256	3.246	2.4	21.5
4 1	12 28.38	+ 1 48.0	2.260	3.254	2.2	21.5
4 11	12 20.86	+ 2 24.7	2.293	3.261	5.4	21.7
4 21	12 14.33	+ 2 52.1	2.354	3.269	8.6	21.9
5 1	12 9.29	+ 3 7.8	2.440	3.276	11.4	22.1

12060 1998 FH_{2} 3 28.9 340°.66 12°.8/30.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	13 8.26	−15 22.3	1.087	1.878	24.0	17.1
3 2	13 4.02	−18 45.3	0.996	1.858	20.8	16.8
3 12	12 55.16	−22 6.4	0.924	1.839	17.1	16.5
3 22	12 41.90	−25 13.0	0.873	1.822	13.9	16.2
4 1	12 25.50	−27 49.1	0.846	1.806	12.8	16.1
4 11	12 8.37	−29 44.0	0.842	1.793	14.7	16.1
4 21	11 53.20	−30 56.4	0.859	1.782	18.4	16.3
5 1	11 42.24	−31 35.9	0.894	1.774	22.5	16.5

218716 2005 UJ_{80} 3 28.9 140°.53 1°.3/27.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 55.38	− 2 25.4	2.254	3.059	12.6	21.4
3 2	12 50.70	− 1 39.7	2.178	3.071	9.5	21.3
3 12	12 44.21	− 0 44.2	2.126	3.082	6.1	21.1
3 22	12 36.48	+ 0 16.7	2.102	3.093	2.5	20.8
4 1	12 28.26	+ 1 17.5	2.108	3.102	2.2	20.8
4 11	12 20.37	+ 2 12.2	2.143	3.112	5.7	21.1
4 21	12 13.56	+ 2 56.5	2.206	3.120	9.1	21.3
5 1	12 8.38	+ 3 27.1	2.293	3.129	12.1	21.5

191364 2003 QQ_{94} 3 28.9 184°.05 1°.9/30.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 59.25	− 9 34.6	2.445	3.213	12.8	20.2
3 2	12 53.69	− 9 50.4	2.349	3.213	10.1	20.0
3 12	12 46.23	− 9 55.0	2.277	3.213	7.0	19.8
3 22	12 37.37	− 9 49.3	2.232	3.213	3.7	19.6
4 1	12 27.86	− 9 35.4	2.216	3.212	1.9	19.5
4 11	12 18.56	− 9 16.7	2.231	3.210	4.6	19.7
4 21	12 10.25	− 8 57.1	2.275	3.208	7.9	19.9
5 1	12 3.57	− 8 40.6	2.345	3.206	11.0	20.1

11312 1994 AR_{2} 3 28.9 306°.86 0°.6/28.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 53.92	− 4 20.7	1.398	2.229	17.5	17.7
3 2	12 51.05	− 4 0.1	1.304	2.209	13.6	17.4
3 12	12 45.29	− 3 22.6	1.230	2.189	9.0	17.1
3 22	12 37.22	− 2 31.9	1.179	2.170	3.7	16.7
4 1	12 27.88	− 1 34.9	1.154	2.151	2.1	16.5
4 11	12 18.69	− 0 40.6	1.154	2.133	7.8	16.8
4 21	12 10.99	+ 0 2.4	1.177	2.115	13.1	17.0
5 1	12 5.82	+ 0 28.0	1.221	2.098	17.9	17.3

213559 2002 LD_{27} 3 28.9 254°.98 2°.4/31.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 55.75	−13 11.3	2.035	2.806	14.9	20.7
3 2	12 51.64	−12 51.0	1.919	2.784	12.0	20.5
3 12	12 45.26	−12 11.2	1.825	2.761	8.6	20.2
3 22	12 37.10	−11 12.6	1.757	2.737	4.8	19.9
4 1	12 27.95	− 9 59.0	1.717	2.712	2.4	19.7
4 11	12 18.85	− 8 36.9	1.706	2.687	5.5	19.9
4 21	12 10.79	− 7 14.3	1.722	2.661	9.6	20.0
5 1	12 4.61	− 5 59.0	1.763	2.634	13.5	20.2

455632 2004 WN_{4} 3 28.9 119°.31 1°.9/30.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 58.30	−11 49.4	1.823	2.603	16.0	22.6
3 2	12 53.36	−11 23.7	1.750	2.622	12.7	22.4
3 12	12 46.13	−10 39.0	1.700	2.640	8.7	22.2
3 22	12 37.33	− 9 38.0	1.674	2.657	4.5	21.9
4 1	12 27.92	− 8 26.3	1.677	2.674	2.0	21.8
4 11	12 19.01	− 7 11.5	1.709	2.690	5.5	22.1
4 21	12 11.52	− 6 1.2	1.768	2.705	9.5	22.3
5 1	12 6.11	− 5 1.8	1.851	2.720	13.1	22.6

432384 2009 WE_{196} 3 28.9 170°.28 0°.6/29.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 55.63	− 7 16.2	2.257	3.046	13.1	22.4
3 2	12 51.01	− 6 56.3	2.169	3.049	10.2	22.2
3 12	12 44.50	− 6 23.9	2.104	3.052	6.8	21.9
3 22	12 36.65	− 5 41.6	2.066	3.054	3.0	21.7
4 1	12 28.21	− 4 53.7	2.058	3.056	1.1	21.6
4 11	12 20.03	− 4 5.5	2.079	3.057	4.9	21.8
4 21	12 12.89	− 3 22.0	2.127	3.058	8.5	22.1
5 1	12 7.41	− 2 47.5	2.201	3.058	11.7	22.3

94020 2000 XH_{33} 3 28.9 111°.24 1°.6/30.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 59.18	− 8 26.1	2.087	2.869	14.2	19.9
3 2	12 53.82	− 8 38.3	2.007	2.881	11.2	19.7
3 12	12 46.37	− 8 38.1	1.950	2.892	7.6	19.5
3 22	12 37.43	− 8 27.0	1.919	2.903	3.8	19.3
4 1	12 27.87	− 8 7.9	1.918	2.914	1.7	19.2
4 11	12 18.68	− 7 45.2	1.945	2.925	5.0	19.4
4 21	12 10.70	− 7 23.5	2.000	2.935	8.7	19.6
5 1	12 4.61	− 7 7.0	2.080	2.945	12.0	19.9

55656 4708 P–L 3 28.9 269°.77 0°.2/28.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 56.95	− 4 30.1	1.686	2.499	15.8	19.7
3 2	12 52.80	− 4 17.9	1.594	2.489	12.3	19.4
3 12	12 46.11	− 3 52.4	1.523	2.478	8.1	19.2
3 22	12 37.45	− 3 16.6	1.478	2.468	3.4	18.8
4 1	12 27.82	− 2 35.8	1.459	2.457	1.6	18.7
4 11	12 18.42	− 1 56.8	1.468	2.446	6.6	19.0
4 21	12 10.36	− 1 25.7	1.502	2.435	11.2	19.2
5 1	12 4.50	− 1 7.3	1.559	2.424	15.3	19.4

257240 2009 EJ_{12} 3 28.9 317°.93 3°.4/26.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 50.62	− 0 20.0	1.300	2.151	17.4	20.4
3 2	12 48.61	+ 0 42.3	1.213	2.131	13.3	20.1
3 12	12 43.73	+ 2 2.0	1.147	2.112	8.7	19.8
3 22	12 36.56	+ 3 31.7	1.104	2.094	4.2	19.5
4 1	12 28.20	+ 5 0.2	1.085	2.076	4.9	19.5
4 11	12 20.07	+ 6 15.6	1.091	2.060	9.9	19.7
4 21	12 13.47	+ 7 8.6	1.119	2.043	15.0	19.9
5 1	12 9.44	+ 7 34.2	1.166	2.028	19.5	20.2

135312 2001 SS_{266} 3 28.9 168°.57 0°.3/29.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 51.67	− 7 22.8	2.862	3.645	10.7	20.9
3 2	12 47.60	− 6 45.6	2.771	3.649	8.3	20.7
3 12	12 42.10	− 5 57.7	2.705	3.653	5.5	20.5
3 22	12 35.61	− 5 1.8	2.667	3.655	2.4	20.3
4 1	12 28.70	− 4 1.7	2.660	3.658	0.9	20.2
4 11	12 22.00	− 3 2.2	2.683	3.660	4.1	20.4
4 21	12 16.07	− 2 7.5	2.735	3.661	7.0	20.6
5 1	12 11.39	− 1 21.3	2.813	3.663	9.7	20.8

386561 2009 DD_{79} 3 28.9 46°.59 3°.4/24.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 49.67	+ 2 15.4	2.150	2.980	12.2	20.7
3 2	12 46.51	+ 3 48.2	2.076	2.984	9.2	20.5
3 12	12 41.59	+ 5 29.8	2.027	2.987	6.0	20.3
3 22	12 35.44	+ 7 13.2	2.006	2.990	3.6	20.1
4 1	12 28.77	+ 8 50.3	2.014	2.994	4.6	20.2
4 11	12 22.40	+10 13.8	2.050	2.997	7.6	20.4
4 21	12 17.01	+11 18.7	2.113	3.001	10.7	20.6
5 1	12 13.19	+12 2.4	2.198	3.005	13.5	20.8

508701 2017 UP_{20} 3 28.9 349°.80 1°.7/26.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 49.19	− 4 19.8	1.803	2.626	14.4	20.1
3 2	12 46.54	− 2 57.9	1.720	2.624	11.0	19.9
3 12	12 41.82	− 1 18.9	1.661	2.622	7.0	19.6
3 22	12 35.59	+ 0 30.4	1.629	2.620	2.9	19.3
4 1	12 28.70	+ 2 21.1	1.625	2.618	2.9	19.3
4 11	12 22.11	+ 4 3.3	1.648	2.617	7.1	19.6
4 21	12 16.68	+ 5 29.1	1.698	2.616	11.1	19.8
5 1	12 13.08	+ 6 33.3	1.770	2.616	14.6	20.0

341764 2007 VZ_{326} 3 28.9 63°.24 1°.3/30.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 52.06	−10 7.7	2.149	2.937	13.7	21.1
3 2	12 48.35	− 9 46.5	2.069	2.946	10.7	20.9
3 12	12 42.79	− 9 10.2	2.012	2.956	7.3	20.7
3 22	12 35.94	− 8 21.4	1.980	2.965	3.6	20.5
4 1	12 28.56	− 7 24.7	1.977	2.975	1.5	20.3
4 11	12 21.49	− 6 25.7	2.003	2.984	4.8	20.6
4 21	12 15.49	− 5 30.4	2.056	2.994	8.3	20.8
5 1	12 11.13	− 4 43.7	2.133	3.004	11.5	21.0

466856 2015 BX_{341} 3 28.9 194°.47 3°.6/25.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 54.00	+ 4 3.2	2.033	2.860	12.9	21.7
3 2	12 49.95	+ 5 2.1	1.954	2.859	9.8	21.5
3 12	12 43.90	+ 6 7.4	1.900	2.859	6.4	21.3
3 22	12 36.43	+ 7 12.9	1.873	2.858	3.8	21.1
4 1	12 28.34	+ 8 11.9	1.874	2.856	4.6	21.1
4 11	12 20.57	+ 8 58.0	1.903	2.855	7.7	21.3
4 21	12 13.92	+ 9 27.3	1.958	2.853	11.1	21.5
5 1	12 9.04	+ 9 37.9	2.035	2.852	14.1	21.7

488535 2001 SD_{145} 3 28.9 179°.10 1°.1/30.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 53.37	− 9 27.9	2.988	3.757	10.6	22.6
3 2	12 48.85	− 9 11.9	2.891	3.759	8.3	22.5
3 12	12 42.91	− 8 45.2	2.820	3.760	5.7	22.3
3 22	12 35.96	− 8 9.7	2.776	3.760	2.8	22.1
4 1	12 28.56	− 7 28.1	2.763	3.760	1.2	22.0
4 11	12 21.35	− 6 44.4	2.780	3.760	3.8	22.1
4 21	12 14.88	− 6 2.4	2.827	3.759	6.6	22.3
5 1	12 9.66	− 5 25.7	2.900	3.757	9.2	22.5

179047 2001 SY_{15} 3 28.9 268°.28 0°.4/29.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 56.29	− 6 7.7	1.846	2.649	15.0	21.0
3 2	12 52.15	− 5 55.8	1.744	2.633	11.7	20.7
3 12	12 45.64	− 5 30.0	1.665	2.617	7.8	20.5
3 22	12 37.27	− 4 52.7	1.611	2.600	3.4	20.1
4 1	12 27.93	− 4 8.5	1.585	2.584	1.4	19.9
4 11	12 18.73	− 3 23.8	1.587	2.566	6.1	20.2
4 21	12 10.71	− 2 44.7	1.615	2.549	10.5	20.4
5 1	12 4.72	− 2 16.5	1.667	2.532	14.5	20.6

506872 2007 YH_{35} 3 28.9 158°.33 5°.4/20.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 53.72	+16 56.1	3.149	3.966	9.0	22.7
3 2	12 48.98	+18 4.8	3.088	3.974	7.3	22.6
3 12	12 42.91	+19 9.9	3.053	3.982	5.8	22.5
3 22	12 35.93	+20 6.7	3.047	3.989	5.4	22.5
4 1	12 28.60	+20 50.5	3.071	3.995	6.2	22.5
4 11	12 21.53	+21 18.4	3.122	4.001	7.8	22.6
4 21	12 15.26	+21 29.3	3.198	4.007	9.6	22.8
5 1	12 10.20	+21 23.4	3.296	4.011	11.2	22.9

469088 2015 BM_{346} 3 28.9 261°.67 3°.4/25.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 54.40	+ 3 41.6	1.967	2.795	13.2	20.9
3 2	12 50.40	+ 4 32.5	1.881	2.787	10.1	20.6
3 12	12 44.29	+ 5 30.3	1.820	2.778	6.6	20.4
3 22	12 36.63	+ 6 29.2	1.784	2.770	3.8	20.2
4 1	12 28.27	+ 7 22.4	1.777	2.761	4.5	20.2
4 11	12 20.16	+ 8 3.4	1.798	2.753	7.8	20.4
4 21	12 13.20	+ 8 28.1	1.844	2.744	11.4	20.6
5 1	12 8.07	+ 8 34.3	1.912	2.735	14.6	20.8

468297 2015 EZ_{16} 3 28.9 119°.03 2°.2/26.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 56.19	+ 1 3.7	2.018	2.836	13.3	21.0
3 2	12 51.58	+ 1 34.5	1.942	2.842	10.1	20.8
3 12	12 44.93	+ 2 12.7	1.890	2.848	6.5	20.6
3 22	12 36.86	+ 2 53.4	1.864	2.854	3.0	20.3
4 1	12 28.19	+ 3 31.3	1.867	2.859	3.1	20.3
4 11	12 19.89	+ 4 1.0	1.899	2.864	6.6	20.6
4 21	12 12.78	+ 4 18.7	1.957	2.870	10.2	20.8
5 1	12 7.50	+ 4 22.2	2.038	2.875	13.3	21.0

383402 2006 UD_{19} 3 28.9 288°.88 2°.6/ 1.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 50.86	−14 39.8	2.295	3.061	13.5	21.0
3 2	12 47.47	−14 21.6	2.198	3.057	10.9	20.8
3 12	12 42.27	−13 45.8	2.122	3.052	7.9	20.6
3 22	12 35.77	−12 53.8	2.073	3.048	4.7	20.4
4 1	12 28.66	−11 49.2	2.051	3.044	2.6	20.3
4 11	12 21.76	−10 37.4	2.058	3.039	4.6	20.4
4 21	12 15.80	− 9 25.0	2.093	3.035	7.9	20.6
5 1	12 11.40	− 8 18.0	2.153	3.031	11.1	20.8

160414 2004 XW_{32} 3 28.9 206°.62 2°.0/26.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 58.09	− 0 46.5	1.997	2.807	13.7	21.1
3 2	12 53.22	+ 0 1.4	1.905	2.801	10.5	20.9
3 12	12 46.14	+ 1 0.1	1.838	2.795	6.8	20.7
3 22	12 37.42	+ 2 4.5	1.798	2.787	3.0	20.4
4 1	12 27.94	+ 3 8.0	1.786	2.779	3.0	20.4
4 11	12 18.70	+ 4 3.8	1.804	2.769	6.9	20.6
4 21	12 10.64	+ 4 46.4	1.849	2.759	10.8	20.8
5 1	12 4.49	+ 5 12.4	1.917	2.748	14.2	21.0

35253 1996 AB_{7} 3 28.9 180°.08 3°.4/ 2.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 53.69	−16 49.8	2.754	3.491	12.2	20.1
3 2	12 49.32	−17 0.9	2.655	3.492	10.0	20.0
3 12	12 43.34	−16 57.6	2.579	3.492	7.5	19.8
3 22	12 36.19	−16 40.3	2.530	3.492	5.0	19.7
4 1	12 28.50	−16 10.4	2.509	3.492	3.4	19.5
4 11	12 20.98	−15 31.6	2.517	3.492	4.5	19.6
4 21	12 14.29	−14 48.0	2.554	3.491	6.9	19.8
5 1	12 8.98	−14 4.4	2.616	3.490	9.5	19.9

4840 Otaynang 3 28.9 99°.52 5°.2/ 4.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 51.99	−24 0.8	2.533	3.237	13.9	17.3
3 2	12 48.19	−24 3.5	2.443	3.246	11.8	17.1
3 12	12 42.65	−23 46.0	2.373	3.256	9.4	17.0
3 22	12 35.91	−23 8.1	2.327	3.265	7.0	16.8
4 1	12 28.64	−22 11.6	2.308	3.274	5.4	16.7
4 11	12 21.63	−21 0.8	2.318	3.282	5.6	16.8
4 21	12 15.59	−19 41.7	2.355	3.291	7.5	16.9
5 1	12 11.07	−18 21.0	2.418	3.300	9.9	17.1

152166 2005 OY_3 3 28.9 212°.40 2°.4/25.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 52.34	+ 2 53.7	2.778	3.592	10.2	21.1
3 2	12 48.18	+ 3 39.3	2.687	3.586	7.7	21.0
3 12	12 42.54	+ 4 30.1	2.623	3.580	5.0	20.8
3 22	12 35.84	+ 5 22.1	2.587	3.573	2.7	20.6
4 1	12 28.67	+ 6 10.7	2.581	3.567	3.1	20.6
4 11	12 21.68	+ 6 51.4	2.605	3.560	5.7	20.8
4 21	12 15.48	+ 7 21.1	2.656	3.552	8.5	21.0
5 1	12 10.56	+ 7 37.8	2.732	3.544	11.0	21.1

193966 2001 RA_{92} 3 28.9 262°.82 0°.5/28.6 17

2 21	12 57.94	− 4 27.6	1.531	2.348	16.9	20.7
3 2	12 53.92	− 4 8.2	1.436	2.334	13.2	20.4
3 12	12 47.06	− 3 33.2	1.362	2.318	8.7	20.1
3 22	12 37.96	− 2 46.3	1.312	2.303	3.6	19.7
4 1	12 27.67	− 1 53.6	1.289	2.287	1.9	19.6
4 11	12 17.55	− 1 3.3	1.293	2.271	7.4	19.9
4 21	12 8.89	− 0 23.0	1.322	2.254	12.4	20.1
5 1	12 2.68	+ 0 1.8	1.372	2.238	16.9	20.3

46186 2001 FS_{124} 3 28.9 210°.66 0°.8/28.1 17 R

2 21	12 56.05	− 4 14.1	2.074	2.877	13.6	19.8
3 2	12 51.58	− 3 32.5	1.980	2.871	10.4	19.5
3 12	12 45.04	− 2 37.9	1.910	2.864	6.8	19.3
3 22	12 36.96	− 1 34.5	1.866	2.857	2.7	19.0
4 1	12 28.15	− 0 28.0	1.852	2.848	1.9	18.9
4 11	12 19.57	+ 0 34.7	1.867	2.840	6.0	19.2
4 21	12 12.09	+ 1 27.7	1.909	2.830	9.9	19.4
5 1	12 6.39	+ 2 6.8	1.975	2.820	13.3	19.6

162550 2000 QF_{217} 3 28.9 266°.72 2°.3/27.0 16

2 21	12 56.81	− 0 40.4	1.601	2.427	15.8	20.6
3 2	12 52.90	+ 0 0.8	1.506	2.410	12.2	20.3
3 12	12 46.31	+ 0 55.2	1.433	2.393	7.9	20.0
3 22	12 37.62	+ 1 57.2	1.385	2.375	3.5	19.7
4 1	12 27.83	+ 2 59.2	1.364	2.357	3.5	19.7
4 11	12 18.21	+ 3 52.4	1.370	2.339	8.2	19.9
4 21	12 9.96	+ 4 30.1	1.401	2.321	12.9	20.1
5 1	12 4.03	+ 4 48.1	1.453	2.302	17.0	20.3

38230 1999 NP_{53} 3 28.9 286°.76 3°.9/ 2.1 18

2 21	12 51.11	−18 7.6	1.898	2.659	16.1	19.6
3 2	12 48.15	−17 45.2	1.796	2.648	13.3	19.4
3 12	12 42.99	−16 58.0	1.714	2.637	9.9	19.1
3 22	12 36.16	−15 46.8	1.656	2.625	6.3	18.9
4 1	12 28.50	−14 15.2	1.625	2.614	3.9	18.7
4 11	12 21.04	−12 30.9	1.621	2.603	5.6	18.8
4 21	12 14.73	−10 43.2	1.645	2.592	9.4	19.0
5 1	12 10.33	− 9 1.8	1.693	2.581	13.1	19.2

425837 2011 EY_{36} 3 28.9 295°.62 1°.5/27.4 17

2 21	12 51.45	− 3 28.6	1.817	2.639	14.4	21.4
3 2	12 48.45	− 2 35.4	1.718	2.620	11.1	21.2
3 12	12 43.21	− 1 26.6	1.641	2.600	7.2	20.9
3 22	12 36.27	− 0 7.2	1.590	2.581	3.0	20.6
4 1	12 28.45	+ 1 15.5	1.566	2.561	2.6	20.5
4 11	12 20.77	+ 2 33.0	1.570	2.542	7.0	20.7
4 21	12 14.21	+ 3 37.6	1.600	2.523	11.3	20.9
5 1	12 9.56	+ 4 24.0	1.652	2.504	15.2	21.1

49843 1999 XP_{92} 3 28.9 197°.44 0°.1/28.9 18

2 21	12 58.68	− 6 33.3	1.732	2.534	15.9	20.2
3 2	12 54.02	− 6 1.8	1.643	2.531	12.4	19.9
3 12	12 46.83	− 5 13.8	1.576	2.528	8.2	19.7
3 22	12 37.77	− 4 12.9	1.535	2.524	3.5	19.4
4 1	12 27.80	− 3 5.4	1.522	2.519	1.5	19.2
4 11	12 18.14	− 1 59.3	1.536	2.514	6.4	19.5
4 21	12 9.86	− 1 2.0	1.578	2.508	11.0	19.8
5 1	12 3.78	− 0 19.2	1.642	2.501	15.0	20.0

208232 2000 SG_{262} 3 28.9 266°.04 1°.6/26.9 18

2 21	12 52.02	− 0 55.8	2.491	3.302	11.3	20.9
3 2	12 48.23	− 0 10.0	2.386	3.283	8.7	20.7
3 12	12 42.74	+ 0 45.1	2.306	3.263	5.6	20.4
3 22	12 35.98	+ 1 45.5	2.253	3.243	2.4	20.2
4 1	12 28.60	+ 2 45.9	2.231	3.223	2.5	20.2
4 11	12 21.33	+ 3 41.0	2.237	3.203	5.7	20.3
4 21	12 14.88	+ 4 26.1	2.271	3.182	9.1	20.5
5 1	12 9.83	+ 4 57.8	2.330	3.161	12.0	20.7

315267 2007 TJ_{61} 3 28.9 108°.98 0°.2/29.1 18

2 21	12 56.91	− 7 2.7	1.682	2.488	16.1	20.9
3 2	12 52.49	− 6 28.6	1.611	2.501	12.5	20.7
3 12	12 45.69	− 5 38.0	1.562	2.515	8.2	20.4
3 22	12 37.22	− 4 35.1	1.538	2.528	3.5	20.2
4 1	12 28.08	− 3 26.7	1.542	2.540	1.4	20.1
4 11	12 19.44	− 2 20.8	1.574	2.553	6.2	20.4
4 21	12 12.25	− 1 24.5	1.632	2.565	10.5	20.7
5 1	12 7.21	− 0 42.7	1.713	2.576	14.2	20.9

250375 2003 UU_{23} 3 28.9 255°.63 3°.3/ 1.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 55.15	−15 58.3	1.910	2.674	16.0	21.3
3 2	12 51.36	−15 38.6	1.796	2.653	13.1	21.1
3 12	12 45.19	−14 55.8	1.704	2.632	9.6	20.8
3 22	12 37.14	−13 50.3	1.636	2.610	5.8	20.5
4 1	12 28.05	−12 25.3	1.596	2.588	3.3	20.3
4 11	12 19.04	−10 48.1	1.583	2.565	5.8	20.4
4 21	12 11.16	− 9 8.0	1.598	2.541	9.9	20.6
5 1	12 5.27	− 7 34.4	1.638	2.517	14.0	20.8

216827 2006 VE_{100} 3 28.9 344°.86 0°.2/28.7 17

2 21	12 51.44	− 4 53.9	2.074	2.884	13.3	21.0
3 2	12 48.02	− 4 30.5	1.986	2.880	10.3	20.7
3 12	12 42.69	− 3 55.3	1.921	2.876	6.7	20.5
3 22	12 35.97	− 3 11.4	1.882	2.872	2.8	20.3
4 1	12 28.62	− 2 23.9	1.872	2.869	1.4	20.1
4 11	12 21.51	− 1 38.4	1.889	2.867	5.4	20.4
4 21	12 15.44	− 1 0.0	1.933	2.864	9.2	20.6
5 1	12 11.04	− 0 32.9	2.001	2.862	12.5	20.8

436013 2009 HN_{20} 3 28.9 4°.99 2°.4/26.6 17

2 21	12 53.30	+ 1 47.0	2.027	2.852	13.0	20.8
3 2	12 49.41	+ 2 16.5	1.948	2.852	9.9	20.6
3 12	12 43.57	+ 2 52.8	1.893	2.853	6.4	20.4
3 22	12 36.32	+ 3 31.1	1.864	2.853	3.0	20.1
4 1	12 28.48	+ 4 6.0	1.864	2.855	3.2	20.2
4 11	12 20.95	+ 4 32.5	1.891	2.856	6.7	20.4
4 21	12 14.54	+ 4 46.7	1.944	2.858	10.2	20.6
5 1	12 9.87	+ 4 46.6	2.020	2.860	13.3	20.8

346736 2009 BQ_3 3 28.9 108°.00 2°.6/31.9 17

2 21	12 52.36	−14 30.1	2.263	3.027	13.8	21.0
3 2	12 48.56	−14 12.3	2.176	3.035	11.1	20.8
3 12	12 42.94	−13 37.1	2.112	3.042	7.9	20.6
3 22	12 36.05	−12 46.2	2.073	3.049	4.6	20.4
4 1	12 28.60	−11 43.4	2.063	3.056	2.6	20.3
4 11	12 21.45	−10 34.2	2.081	3.062	4.6	20.4
4 21	12 15.31	− 9 25.1	2.128	3.069	7.9	20.6
5 1	12 10.77	− 8 21.9	2.200	3.076	11.0	20.8

411326 2010 UU_{21} 3 28.9 87°.59 1°.6/27.5 18

2 21	12 59.73	− 0 58.6	1.793	2.607	14.9	21.5
3 2	12 54.32	− 0 28.8	1.735	2.632	11.3	21.3
3 12	12 46.68	+ 0 10.3	1.700	2.657	7.2	21.1
3 22	12 37.56	+ 0 53.5	1.691	2.682	3.0	20.9
4 1	12 27.97	+ 1 35.0	1.711	2.706	2.6	20.9
4 11	12 18.98	+ 2 8.8	1.759	2.729	6.6	21.2
4 21	12 11.47	+ 2 30.8	1.834	2.753	10.4	21.5
5 1	12 6.05	+ 2 38.7	1.932	2.775	13.7	21.7

480221 2015 GH_{32} 3 28.9 267°.42 4°.9/22.2 16

2 21	12 53.97	+11 30.0	2.672	3.495	10.3	22.1
3 2	12 49.65	+12 36.0	2.571	3.468	8.1	21.9
3 12	12 43.64	+13 43.5	2.495	3.441	6.0	21.7
3 22	12 36.37	+14 46.9	2.448	3.413	4.9	21.6
4 1	12 28.45	+15 40.3	2.430	3.385	5.9	21.6
4 11	12 20.62	+16 18.8	2.441	3.356	8.2	21.7
4 21	12 13.58	+16 39.4	2.477	3.326	10.7	21.9
5 1	12 7.92	+16 41.2	2.535	3.296	13.1	22.0

276986 2004 XW_{21} 3 28.9 131°.37 3°.5/25.3 17

2 21	12 54.44	+ 4 17.7	2.030	2.858	12.9	20.4
3 2	12 50.26	+ 5 11.2	1.956	2.861	9.8	20.2
3 12	12 44.09	+ 6 10.5	1.906	2.865	6.4	20.0
3 22	12 36.54	+ 7 9.4	1.883	2.868	3.8	19.8
4 1	12 28.41	+ 8 1.5	1.888	2.871	4.5	19.9
4 11	12 20.62	+ 8 41.0	1.922	2.874	7.6	20.1
4 21	12 13.98	+ 9 4.1	1.980	2.877	10.9	20.3
5 1	12 9.12	+ 9 9.3	2.061	2.880	13.9	20.5

235140 2003 QB_{71} 3 28.9 169°.44 1°.1/27.7 18

2 21	12 56.64	− 1 10.0	2.609	3.407	11.2	20.9
3 2	12 51.50	− 0 47.7	2.523	3.412	8.6	20.8
3 12	12 44.71	− 0 18.4	2.461	3.415	5.5	20.6
3 22	12 36.76	+ 0 14.7	2.428	3.418	2.3	20.4
4 1	12 28.32	+ 0 47.6	2.426	3.421	1.8	20.3
4 11	12 20.13	+ 1 16.4	2.454	3.423	5.0	20.5
4 21	12 12.86	+ 1 37.6	2.510	3.424	8.2	20.7
5 1	12 7.05	+ 1 49.0	2.591	3.425	10.9	20.9

496393 2013 TV_{52} 3 28.9 194°.45 2°.6/31.9 17

2 21	12 55.14	−14 18.4	2.482	3.236	13.0	22.7
3 2	12 50.60	−14 7.0	2.381	3.234	10.5	22.5
3 12	12 44.27	−13 39.7	2.304	3.231	7.5	22.3
3 22	12 36.62	−12 57.7	2.253	3.227	4.4	22.1
4 1	12 28.36	−12 4.0	2.231	3.223	2.6	22.0
4 11	12 20.30	−11 3.3	2.238	3.218	4.5	22.1
4 21	12 13.16	−10 1.3	2.275	3.212	7.7	22.3
5 1	12 7.57	− 9 3.4	2.337	3.206	10.7	22.4

417785 2007 EZ_{57} 3 28.9 97°.41 1°.8/27.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 56.63	− 1 42.3	1.950	2.762	13.9	21.9
3 2	12 51.81	− 0 45.6	1.890	2.787	10.5	21.7
3 12	12 45.01	+ 0 21.4	1.854	2.811	6.7	21.5
3 22	12 36.87	+ 1 32.8	1.845	2.835	2.8	21.3
4 1	12 28.30	+ 2 41.7	1.865	2.858	2.8	21.3
4 11	12 20.24	+ 3 41.5	1.914	2.880	6.5	21.6
4 21	12 13.47	+ 4 27.3	1.989	2.902	10.0	21.9
5 1	12 8.56	+ 4 56.5	2.088	2.924	13.1	22.1

308066 2004 TZ_{159} 3 28.9 250°.10 0°.4/28.6 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 58.24	− 4 42.7	1.695	2.505	15.8	21.6
3 2	12 53.89	− 4 21.2	1.596	2.490	12.4	21.3
3 12	12 46.92	− 3 44.9	1.520	2.474	8.2	21.0
3 22	12 37.89	− 2 57.4	1.468	2.458	3.4	20.7
4 1	12 27.77	− 2 4.4	1.444	2.442	1.8	20.6
4 11	12 17.81	− 1 13.2	1.448	2.425	6.8	20.8
4 21	12 9.17	− 0 30.9	1.477	2.407	11.6	21.1
5 1	12 2.78	− 0 2.8	1.529	2.389	15.8	21.3

379687 2011 FV_{38} 3 28.9 137°.11 2°.3/26.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 56.06	+ 1 14.2	1.977	2.797	13.5	21.2
3 2	12 51.57	+ 1 45.8	1.898	2.799	10.3	21.0
3 12	12 45.00	+ 2 24.9	1.843	2.801	6.6	20.8
3 22	12 36.94	+ 3 6.6	1.814	2.803	3.1	20.5
4 1	12 28.25	+ 3 45.3	1.814	2.806	3.2	20.6
4 11	12 19.90	+ 4 15.5	1.842	2.808	6.8	20.8
4 21	12 12.75	+ 4 33.2	1.896	2.810	10.4	21.0
5 1	12 7.46	+ 4 36.2	1.974	2.811	13.6	21.2

100241 1994 PK_{35} 3 28.9 255°.60 1°.2/30.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 55.89	− 8 58.9	1.885	2.679	15.1	20.5
3 2	12 51.84	− 8 42.4	1.781	2.663	12.0	20.2
3 12	12 45.45	− 8 9.2	1.700	2.646	8.2	19.9
3 22	12 37.24	− 7 21.4	1.643	2.629	3.9	19.6
4 1	12 28.07	− 6 23.3	1.614	2.612	1.5	19.4
4 11	12 19.03	− 5 21.8	1.614	2.595	5.8	19.7
4 21	12 11.14	− 4 23.9	1.640	2.577	10.2	19.9
5 1	12 5.23	− 3 36.0	1.690	2.558	14.1	20.1

430054 2013 RC_{97} 3 28.9 158°.35 1°.1/27.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 55.56	− 2 0.0	2.548	3.347	11.4	22.6
3 2	12 50.70	− 1 23.3	2.465	3.355	8.7	22.4
3 12	12 44.19	− 0 38.4	2.408	3.362	5.6	22.2
3 22	12 36.55	+ 0 11.0	2.379	3.369	2.3	22.0
4 1	12 28.44	+ 1 0.5	2.380	3.375	1.9	22.0
4 11	12 20.60	+ 1 45.2	2.412	3.380	5.2	22.2
4 21	12 13.70	+ 2 21.3	2.471	3.385	8.3	22.4
5 1	12 8.26	+ 2 46.0	2.556	3.389	11.0	22.6

211960 2004 YC_{27} 3 28.9 107°.57 0°.7/29.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 58.34	− 7 49.9	1.689	2.489	16.3	21.3
3 2	12 53.59	− 7 29.4	1.619	2.505	12.7	21.1
3 12	12 46.41	− 6 52.4	1.570	2.520	8.4	20.9
3 22	12 37.54	− 6 2.6	1.547	2.535	3.8	20.6
4 1	12 28.00	− 5 5.7	1.551	2.549	1.4	20.5
4 11	12 18.97	− 4 9.1	1.583	2.563	6.0	20.8
4 21	12 11.44	− 3 19.6	1.641	2.576	10.3	21.1
5 1	12 6.10	− 2 42.4	1.723	2.589	14.0	21.3

27187 1999 CQ_{40} 3 28.9 51°.25 5°.1/23.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 55.34	+ 9 44.0	1.994	2.827	12.9	18.0
3 2	12 50.94	+10 34.2	1.929	2.834	9.9	17.8
3 12	12 44.53	+11 24.9	1.887	2.840	7.0	17.7
3 22	12 36.72	+12 9.7	1.872	2.847	5.2	17.6
4 1	12 28.38	+12 42.4	1.885	2.854	6.1	17.6
4 11	12 20.45	+12 58.2	1.925	2.861	8.7	17.8
4 21	12 13.76	+12 55.3	1.989	2.868	11.7	18.0
5 1	12 8.89	+12 33.6	2.075	2.875	14.4	18.2

70249 1999 RJ_{83} 3 28.9 227°.61 0°.7/28.3 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 57.87	− 3 59.6	2.019	2.821	13.9	20.2
3 2	12 53.13	− 3 30.6	1.920	2.809	10.8	19.9
3 12	12 46.15	− 2 49.3	1.843	2.797	7.0	19.7
3 22	12 37.50	− 1 59.1	1.794	2.784	2.9	19.4
4 1	12 27.99	− 1 5.4	1.773	2.770	1.8	19.3
4 11	12 18.66	− 0 14.6	1.781	2.755	6.1	19.5
4 21	12 10.45	+ 0 27.6	1.817	2.740	10.2	19.7
5 1	12 4.13	+ 0 56.9	1.876	2.724	13.8	19.9

419909 2011 BC_{6} 3 28.9 64°.25 0°.8/29.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 56.09	− 7 38.6	1.643	2.450	16.4	21.5
3 2	12 51.88	− 7 21.4	1.578	2.468	12.7	21.3
3 12	12 45.30	− 6 47.9	1.534	2.486	8.4	21.1
3 22	12 37.07	− 6 1.9	1.516	2.504	3.8	20.8
4 1	12 28.23	− 5 9.1	1.524	2.522	1.4	20.7
4 11	12 19.92	− 4 16.7	1.559	2.540	5.9	21.1
4 21	12 13.10	− 3 31.5	1.620	2.558	10.2	21.3
5 1	12 8.43	− 2 58.3	1.705	2.576	13.8	21.6

266383 2007 EE_{120} 3 28.9 316°.36 2°.2/26.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 53.28	− 0 25.2	1.707	2.537	14.9	20.7
3 2	12 49.88	+ 0 15.8	1.622	2.528	11.4	20.5
3 12	12 44.15	+ 1 8.3	1.559	2.520	7.3	20.2
3 22	12 36.67	+ 2 6.6	1.522	2.512	3.2	19.9
4 1	12 28.37	+ 3 3.7	1.511	2.504	3.3	19.9
4 11	12 20.35	+ 3 52.0	1.528	2.497	7.5	20.1
4 21	12 13.60	+ 4 25.9	1.569	2.490	11.7	20.4
5 1	12 8.91	+ 4 41.7	1.632	2.483	15.4	20.6

366410 2001 SP_{342} 3 28.9 175°.03 2°.6/26.1 15

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 56.44	+ 2 12.6	2.341	3.153	11.9	22.6
3 2	12 51.54	+ 3 1.7	2.259	3.157	9.0	22.4
3 12	12 44.83	+ 3 57.3	2.202	3.159	5.8	22.2
3 22	12 36.85	+ 4 54.6	2.174	3.161	3.0	22.0
4 1	12 28.32	+ 5 47.9	2.175	3.162	3.4	22.0
4 11	12 20.08	+ 6 31.9	2.205	3.162	6.5	22.2
4 21	12 12.86	+ 7 3.0	2.263	3.162	9.6	22.4
5 1	12 7.24	+ 7 18.9	2.345	3.161	12.5	22.6

222373 2000 YQ_{122} 3 28.9 112°.10 3°.5/24.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 55.14	+ 4 12.5	2.250	3.070	12.0	20.8
3 2	12 50.47	+ 5 24.4	2.190	3.091	9.1	20.7
3 12	12 44.06	+ 6 41.3	2.155	3.111	6.0	20.5
3 22	12 36.48	+ 7 56.9	2.148	3.131	3.6	20.4
4 1	12 28.50	+ 9 4.7	2.171	3.150	4.4	20.5
4 11	12 20.94	+ 9 59.2	2.223	3.169	7.2	20.7
4 21	12 14.47	+10 37.0	2.302	3.187	10.1	20.9
5 1	12 9.62	+10 56.7	2.403	3.204	12.6	21.1

470005 2006 OD_{21} 3 28.9 248°.04 0°.8/29.8 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 55.94	− 7 3.9	2.662	3.442	11.5	21.9
3 2	12 51.15	− 7 2.0	2.551	3.425	9.1	21.7
3 12	12 44.62	− 6 50.4	2.464	3.408	6.1	21.5
3 22	12 36.81	− 6 30.5	2.405	3.391	2.8	21.3
4 1	12 28.32	− 6 5.0	2.375	3.373	1.1	21.1
4 11	12 19.93	− 5 37.7	2.376	3.355	4.4	21.3
4 21	12 12.33	− 5 12.3	2.406	3.336	7.7	21.5
5 1	12 6.14	− 4 52.5	2.462	3.317	10.7	21.6

341698 2007 VK_{153} 3 28.9 118°.05 0°.6/29.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 51.63	− 8 59.2	2.243	3.033	13.1	21.0
3 2	12 47.99	− 8 19.7	2.157	3.038	10.2	20.8
3 12	12 42.58	− 7 25.3	2.095	3.043	6.8	20.6
3 22	12 35.93	− 6 19.3	2.060	3.048	3.1	20.4
4 1	12 28.74	− 5 6.9	2.054	3.052	1.1	20.3
4 11	12 21.83	− 3 54.3	2.077	3.057	4.8	20.5
4 21	12 15.91	− 2 47.7	2.128	3.061	8.4	20.7
5 1	12 11.55	− 1 51.9	2.203	3.065	11.5	21.0

53195 1999 CL_{53} 3 28.9 260°.93 3°.1/25.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 56.12	+ 2 42.1	2.065	2.885	13.0	18.3
3 2	12 51.78	+ 3 31.3	1.962	2.864	10.0	18.1
3 12	12 45.30	+ 4 28.8	1.884	2.842	6.5	17.8
3 22	12 37.16	+ 5 29.3	1.833	2.820	3.5	17.6
4 1	12 28.16	+ 6 26.1	1.810	2.797	4.1	17.6
4 11	12 19.27	+ 7 12.7	1.816	2.773	7.6	17.8
4 21	12 11.43	+ 7 44.1	1.848	2.749	11.3	17.9
5 1	12 5.38	+ 7 57.5	1.903	2.725	14.7	18.1

8787 Ignatenko 3 28.9 123°.95 2°.9/25.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 54.88	+ 5 19.3	2.639	3.454	10.6	18.0
3 2	12 50.08	+ 5 55.3	2.568	3.466	8.1	17.8
3 12	12 43.73	+ 6 34.1	2.522	3.477	5.3	17.7
3 22	12 36.35	+ 7 11.5	2.505	3.488	3.1	17.5
4 1	12 28.58	+ 7 43.2	2.517	3.499	3.6	17.6
4 11	12 21.11	+ 8 5.4	2.559	3.509	6.1	17.7
4 21	12 14.57	+ 8 16.0	2.628	3.519	8.8	17.9
5 1	12 9.43	+ 8 13.6	2.721	3.529	11.2	18.1

522162 2016 AL_{253} 3 28.9 9°.81 4°.5/ 1.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 54.86	−13 25.8	1.319	2.123	19.8	21.2
3 2	12 51.82	−13 59.2	1.243	2.124	16.1	21.0
3 12	12 45.79	−14 10.3	1.187	2.126	11.8	20.7
3 22	12 37.46	−13 58.4	1.151	2.128	7.2	20.5
4 1	12 28.05	−13 26.4	1.140	2.132	4.5	20.3
4 11	12 19.05	−12 41.0	1.153	2.137	7.1	20.5
4 21	12 11.79	−11 51.3	1.190	2.142	11.6	20.7
5 1	12 7.22	−11 6.3	1.248	2.148	15.9	21.0

285685 2000 SW_{156} 3 28.9 174°.59 3°.0/ 2.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 51.74	−17 46.4	2.905	3.638	11.7	21.2
3 2	12 47.75	−17 31.5	2.806	3.640	9.6	21.1
3 12	12 42.29	−17 1.1	2.729	3.641	7.2	20.9
3 22	12 35.78	−16 16.1	2.679	3.643	4.7	20.8
4 1	12 28.82	−15 18.9	2.658	3.644	3.1	20.6
4 11	12 22.05	−14 13.8	2.667	3.644	4.1	20.7
4 21	12 16.05	−13 5.6	2.705	3.644	6.5	20.9
5 1	12 11.34	−11 59.5	2.770	3.644	9.0	21.0

506693 2006 TU_{90} 3 28.9 188°.34 1°.9/31.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 52.12	−13 54.9	3.345	4.091	10.1	23.7
3 2	12 47.82	−13 36.5	3.242	4.089	8.1	23.6
3 12	12 42.24	−13 6.2	3.163	4.088	5.8	23.4
3 22	12 35.75	−12 25.2	3.111	4.085	3.4	23.2
4 1	12 28.85	−11 36.0	3.090	4.082	1.9	23.1
4 11	12 22.10	−10 42.1	3.100	4.079	3.4	23.2
4 21	12 16.01	− 9 47.4	3.139	4.075	5.9	23.4
5 1	12 11.01	− 8 55.8	3.206	4.070	8.2	23.6

370193 2002 CY_{217} 3 28.9 47°.65 5°.4/23.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 50.95	+ 5 3.6	1.660	2.506	14.4	20.1
3 2	12 47.98	+ 6 55.8	1.600	2.515	10.9	19.9
3 12	12 42.79	+ 8 55.9	1.564	2.524	7.4	19.7
3 22	12 36.06	+10 53.7	1.554	2.533	5.4	19.6
4 1	12 28.72	+12 38.3	1.572	2.543	6.8	19.7
4 11	12 21.82	+14 0.6	1.616	2.552	10.1	19.9
4 21	12 16.25	+14 56.1	1.683	2.562	13.5	20.2
5 1	12 12.66	+15 23.5	1.771	2.573	16.4	20.4

21656 Knuth 3 28.9 223°.72 3°.4/24.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 54.15	+ 4 27.4	2.420	3.239	11.3	19.8
3 2	12 49.86	+ 5 31.6	2.328	3.229	8.6	19.6
3 12	12 43.80	+ 6 41.8	2.262	3.218	5.7	19.4
3 22	12 36.47	+ 7 52.6	2.224	3.207	3.5	19.2
4 1	12 28.52	+ 8 57.9	2.215	3.194	4.3	19.2
4 11	12 20.77	+ 9 51.9	2.236	3.182	7.1	19.4
4 21	12 13.92	+10 30.6	2.283	3.168	10.2	19.6
5 1	12 8.57	+10 51.9	2.354	3.155	12.9	19.7

344283 2001 TZ_{179} 3 28.9 118°.21 2°.2/31.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 52.86	−13 28.8	2.566	3.327	12.4	21.3
3 2	12 48.70	−13 13.8	2.482	3.339	9.9	21.1
3 12	12 42.93	−12 44.3	2.420	3.350	7.0	21.0
3 22	12 36.06	−12 1.9	2.385	3.362	4.0	20.8
4 1	12 28.72	−11 9.9	2.379	3.373	2.2	20.7
4 11	12 21.66	−10 12.8	2.403	3.383	4.2	20.8
4 21	12 15.51	− 9 15.9	2.455	3.394	7.1	21.0
5 1	12 10.78	− 8 23.9	2.533	3.404	9.9	21.2

464721 2002 SM_{10} 3 28.9 240°.63 0°.1/28.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 56.00	− 6 15.4	2.018	2.816	14.1	21.9
3 2	12 51.74	− 5 42.6	1.915	2.802	11.0	21.6
3 12	12 45.29	− 4 55.1	1.835	2.786	7.3	21.4
3 22	12 37.17	− 3 55.9	1.781	2.770	3.1	21.1
4 1	12 28.19	− 2 50.6	1.756	2.754	1.4	20.9
4 11	12 19.36	− 1 46.0	1.760	2.737	5.8	21.2
4 21	12 11.60	− 0 48.5	1.791	2.719	10.0	21.4
5 1	12 5.69	− 0 3.7	1.846	2.701	13.7	21.6

99780 2002 JM_{116} 3 28.9 160°.24 3°.6/25.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 57.10	+ 3 3.0	1.860	2.685	14.0	20.1
3 2	12 52.48	+ 4 9.0	1.787	2.691	10.6	19.9
3 12	12 45.65	+ 5 22.9	1.738	2.696	7.0	19.7
3 22	12 37.25	+ 6 37.9	1.715	2.700	3.9	19.5
4 1	12 28.20	+ 7 46.0	1.721	2.704	4.7	19.5
4 11	12 19.55	+ 8 40.2	1.754	2.708	8.1	19.8
4 21	12 12.20	+ 9 15.8	1.814	2.711	11.7	20.0
5 1	12 6.83	+ 9 31.1	1.895	2.713	14.9	20.2

38943 2000 SQ_{273} 3 28.9 2°.82 2°.4/27.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	13 0.22	+ 2 45.1	1.711	2.534	15.1	18.9
3 2	12 55.13	+ 2 48.3	1.632	2.534	11.6	18.7
3 12	12 47.52	+ 2 56.7	1.576	2.534	7.5	18.4
3 22	12 38.08	+ 3 5.9	1.545	2.534	3.5	18.2
4 1	12 27.83	+ 3 11.1	1.542	2.535	3.3	18.2
4 11	12 17.99	+ 3 7.6	1.567	2.535	7.4	18.4
4 21	12 9.61	+ 2 52.5	1.617	2.536	11.5	18.7
5 1	12 3.48	+ 2 24.5	1.690	2.538	15.1	18.9

77730 2001 OF_{69} 3 28.9 182°.43 4°.6/22.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 52.68	+ 9 17.2	2.480	3.307	10.8	19.3
3 2	12 48.62	+10 30.6	2.405	3.307	8.3	19.2
3 12	12 42.92	+11 46.0	2.357	3.308	5.9	19.0
3 22	12 36.07	+12 57.3	2.336	3.307	4.6	18.9
4 1	12 28.73	+13 58.5	2.345	3.307	5.6	19.0
4 11	12 21.66	+14 44.4	2.382	3.306	7.9	19.1
4 21	12 15.50	+15 12.5	2.444	3.305	10.5	19.3
5 1	12 10.79	+15 21.8	2.529	3.303	12.8	19.5

321049 2008 RN_{23} 3 28.9 123°.65 1°.9/29.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	13 17.42	− 3 39.5	1.173	1.977	21.8	20.5
3 2	13 9.64	− 4 52.2	1.101	1.988	17.2	20.2
3 12	12 57.69	− 5 56.3	1.049	1.998	11.7	19.9
3 22	12 42.51	− 6 50.6	1.021	2.008	5.5	19.6
4 1	12 25.88	− 7 34.9	1.020	2.017	2.5	19.4
4 11	12 10.02	− 8 11.6	1.046	2.025	8.3	19.8
4 21	11 56.82	− 8 44.3	1.097	2.033	14.0	20.1
5 1	11 47.47	− 9 17.9	1.170	2.041	18.9	20.5

46331 2001 QB_{264} 3 28.9 330°.38 4°.0/25.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 58.38	+ 5 31.7	1.681	2.513	14.9	18.8
3 2	12 53.77	+ 6 1.4	1.604	2.510	11.5	18.5
3 12	12 46.66	+ 6 35.5	1.549	2.508	7.6	18.3
3 22	12 37.73	+ 7 7.8	1.520	2.505	4.4	18.1
4 1	12 28.00	+ 7 31.7	1.518	2.503	5.0	18.1
4 11	12 18.67	+ 7 41.5	1.543	2.501	8.6	18.3
4 21	12 10.79	+ 7 34.2	1.593	2.499	12.5	18.5
5 1	12 5.13	+ 7 9.0	1.664	2.498	16.0	18.8

497914 2006 VF_{53} 3 28.9 127°.01 3°.2/ 1.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 52.61	−16 28.5	2.573	3.319	12.7	21.6
3 2	12 48.60	−16 27.2	2.482	3.325	10.4	21.4
3 12	12 42.93	−16 10.2	2.413	3.331	7.7	21.3
3 22	12 36.09	−15 38.2	2.370	3.336	4.9	21.1
4 1	12 28.73	−14 53.6	2.355	3.341	3.2	21.0
4 11	12 21.60	−14 0.8	2.369	3.347	4.5	21.1
4 21	12 15.37	−13 4.7	2.411	3.352	7.2	21.3
5 1	12 10.58	−12 10.6	2.480	3.357	9.9	21.4

9793 Torvalds 3 28.9 112°.92 2°.3/27.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 59.98	− 0 35.1	1.572	2.394	16.3	19.3
3 2	12 54.96	+ 0 9.0	1.508	2.410	12.4	19.0
3 12	12 47.36	+ 1 4.3	1.466	2.425	7.9	18.8
3 22	12 37.98	+ 2 4.4	1.450	2.440	3.5	18.6
4 1	12 27.94	+ 3 1.5	1.461	2.454	3.4	18.6
4 11	12 18.49	+ 3 47.9	1.500	2.468	7.7	18.9
4 21	12 10.67	+ 4 18.6	1.564	2.481	11.9	19.2
5 1	12 5.20	+ 4 31.0	1.650	2.494	15.6	19.4

227318 2005 TX_{86} 3 28.9 124°.98 0°.4/29.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 53.52	− 9 0.8	1.984	2.778	14.4	21.1
3 2	12 49.63	− 8 7.8	1.905	2.788	11.2	20.9
3 12	12 43.75	− 6 57.6	1.848	2.798	7.4	20.7
3 22	12 36.46	− 5 34.4	1.818	2.807	3.2	20.5
4 1	12 28.60	− 4 4.8	1.817	2.815	1.2	20.3
4 11	12 21.09	− 2 36.6	1.845	2.824	5.4	20.6
4 21	12 14.75	− 1 17.3	1.901	2.832	9.3	20.9
5 1	12 10.21	− 0 12.3	1.980	2.840	12.7	21.1

290304 2005 SU_{181} 3 28.9 38°.72 2°.0/30.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 53.79	−10 52.2	1.628	2.428	16.8	20.4
3 2	12 50.34	−10 40.1	1.551	2.434	13.3	20.2
3 12	12 44.47	−10 8.4	1.494	2.440	9.2	19.9
3 22	12 36.83	− 9 19.7	1.462	2.446	4.7	19.7
4 1	12 28.43	− 8 19.1	1.456	2.453	2.1	19.5
4 11	12 20.42	− 7 14.3	1.476	2.459	5.8	19.8
4 21	12 13.82	− 6 13.3	1.523	2.467	10.2	20.0
5 1	12 9.38	− 5 22.8	1.592	2.474	14.1	20.3

53991 2000 GF_{81} 3 28.9 12°.25 0°.9/28.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 56.15	− 3 22.4	1.189	2.029	19.3	19.0
3 2	12 52.95	− 3 8.8	1.120	2.030	14.9	18.7
3 12	12 46.58	− 2 38.9	1.070	2.032	9.7	18.4
3 22	12 37.82	− 1 57.8	1.043	2.034	4.0	18.1
4 1	12 27.99	− 1 13.2	1.040	2.037	2.4	18.0
4 11	12 18.69	− 0 34.2	1.061	2.041	8.2	18.3
4 21	12 11.31	− 0 8.3	1.105	2.045	13.5	18.7
5 1	12 6.78	− 0 0.1	1.169	2.050	18.1	18.9

50407 2000 CY_{117} 3 28.9 211°.88 1°.5/27.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 53.69	− 1 29.4	2.269	3.080	12.3	20.1
3 2	12 49.58	− 0 49.9	2.180	3.076	9.4	19.9
3 12	12 43.66	− 0 1.1	2.116	3.073	6.0	19.6
3 22	12 36.43	+ 0 52.9	2.078	3.069	2.5	19.4
4 1	12 28.60	+ 1 46.9	2.070	3.064	2.3	19.4
4 11	12 21.01	+ 2 35.1	2.091	3.060	5.8	19.6
4 21	12 14.40	+ 3 13.2	2.139	3.055	9.3	19.8
5 1	12 9.37	+ 3 38.0	2.211	3.050	12.3	20.0

497316 2005 TK_{102} 3 28.9 222°.38 2°.6/31.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 53.96	−15 6.2	2.218	2.978	14.1	22.7
3 2	12 49.99	−14 36.7	2.114	2.969	11.4	22.5
3 12	12 44.05	−13 47.4	2.031	2.960	8.2	22.3
3 22	12 36.63	−12 39.8	1.974	2.950	4.8	22.0
4 1	12 28.50	−11 17.9	1.946	2.939	2.6	21.9
4 11	12 20.55	− 9 48.3	1.947	2.928	4.9	22.0
4 21	12 13.60	− 8 18.3	1.976	2.916	8.5	22.2
5 1	12 8.34	− 6 55.3	2.032	2.904	11.9	22.4

221075 2005 SA_{13} 3 28.9 286°.85 0°.6/29.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 50.86	− 8 49.2	2.348	3.139	12.6	20.8
3 2	12 47.56	− 8 10.0	2.233	3.114	9.9	20.6
3 12	12 42.45	− 7 15.2	2.141	3.089	6.7	20.3
3 22	12 35.98	− 6 7.6	2.076	3.064	3.0	20.0
4 1	12 28.78	− 4 51.6	2.040	3.038	1.1	19.8
4 11	12 21.66	− 3 33.5	2.034	3.013	4.9	20.1
4 21	12 15.37	− 2 19.8	2.055	2.987	8.7	20.2
5 1	12 10.56	− 1 16.1	2.101	2.962	12.1	20.4

300854 2007 YV_{31} 3 28.9 72°.41 3°.7/ 2.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 52.76	−17 3.9	2.329	3.079	13.8	20.7
3 2	12 48.91	−17 8.6	2.239	3.083	11.4	20.5
3 12	12 43.24	−16 56.0	2.171	3.088	8.5	20.3
3 22	12 36.26	−16 26.5	2.127	3.092	5.6	20.1
4 1	12 28.70	−15 42.4	2.112	3.097	3.7	20.0
4 11	12 21.37	−14 48.5	2.124	3.102	4.9	20.1
4 21	12 15.04	−13 50.4	2.164	3.106	7.7	20.3
5 1	12 10.29	−12 54.0	2.230	3.111	10.6	20.5

145496 2005 WQ_{113} 3 28.9 39°.44 9°.7/12.1 18

2 21	12 52.84	−38 4.0	2.492	3.089	16.3	19.1
3 2	12 49.29	−38 45.5	2.401	3.095	14.9	19.0
3 12	12 43.65	−39 1.7	2.325	3.101	13.3	18.9
3 22	12 36.48	−38 49.5	2.268	3.108	11.6	18.8
4 1	12 28.59	−38 7.7	2.233	3.114	10.3	18.7
4 11	12 20.97	−36 58.8	2.222	3.121	9.7	18.6
4 21	12 14.50	−35 28.2	2.236	3.128	10.0	18.7
5 1	12 9.85	−33 43.9	2.274	3.135	11.3	18.8

50894 2000 GA_{42} 3 28.9 345°.55 0°.4/29.4 18

2 21	12 53.01	− 6 42.9	1.987	2.790	14.1	18.6
3 2	12 49.35	− 6 24.9	1.900	2.788	10.9	18.4
3 12	12 43.65	− 5 53.3	1.835	2.787	7.3	18.2
3 22	12 36.47	− 5 11.2	1.796	2.785	3.2	17.9
4 1	12 28.61	− 4 23.1	1.785	2.784	1.2	17.8
4 11	12 21.01	− 3 35.2	1.803	2.782	5.4	18.0
4 21	12 14.53	− 2 53.0	1.846	2.781	9.3	18.3
5 1	12 9.82	− 2 21.1	1.914	2.781	12.8	18.5

498293 2007 VO_{88} 3 28.9 134°.99 5°.7/ 6.4 17

2 21	12 54.52	−27 34.4	2.935	3.599	13.0	21.7
3 2	12 49.94	−27 47.4	2.844	3.612	11.2	21.6
3 12	12 43.75	−27 41.5	2.772	3.625	9.2	21.4
3 22	12 36.43	−27 16.1	2.725	3.637	7.3	21.3
4 1	12 28.64	−26 31.9	2.704	3.649	5.9	21.2
4 11	12 21.08	−25 32.3	2.712	3.660	5.9	21.2
4 21	12 14.42	−24 22.2	2.748	3.671	7.2	21.3
5 1	12 9.18	−23 7.4	2.810	3.681	9.0	21.5

171950 2001 SY_{317} 3 28.9 242°.13 0°.8/28.1 17

2 21	12 53.39	− 2 51.5	2.318	3.124	12.2	20.6
3 2	12 49.34	− 2 24.7	2.227	3.120	9.4	20.4
3 12	12 43.50	− 1 48.4	2.160	3.115	6.0	20.2
3 22	12 36.37	− 1 6.0	2.120	3.110	2.5	20.0
4 1	12 28.66	− 0 22.1	2.109	3.106	1.7	19.9
4 11	12 21.16	+ 0 18.2	2.128	3.101	5.3	20.1
4 21	12 14.61	+ 0 50.7	2.173	3.096	8.8	20.3
5 1	12 9.60	+ 1 12.0	2.243	3.091	11.9	20.5

165250 2000 SD_{158} 3 28.9 131°.43 2°.5/26.9 18

2 21	12 59.65	+ 0 46.0	1.721	2.541	15.2	20.6
3 2	12 54.57	+ 1 23.8	1.651	2.552	11.6	20.4
3 12	12 47.08	+ 2 10.7	1.603	2.562	7.4	20.2
3 22	12 37.89	+ 3 0.8	1.582	2.571	3.4	20.0
4 1	12 28.02	+ 3 47.3	1.588	2.580	3.5	20.0
4 11	12 18.64	+ 4 23.7	1.623	2.589	7.5	20.3
4 21	12 10.73	+ 4 45.4	1.683	2.597	11.5	20.5
5 1	12 5.02	+ 4 50.3	1.765	2.604	15.0	20.7

166153 2002 ET_{24} 3 28.9 112°.81 0°.7/28.3 18

2 21	12 58.12	− 4 59.4	1.706	2.514	15.8	21.1
3 2	12 53.36	− 4 15.2	1.638	2.532	12.1	20.9
3 12	12 46.26	− 3 16.3	1.594	2.549	7.8	20.7
3 22	12 37.53	− 2 7.9	1.575	2.565	3.1	20.4
4 1	12 28.19	− 0 57.2	1.584	2.581	1.9	20.4
4 11	12 19.37	+ 0 7.7	1.622	2.596	6.5	20.7
4 21	12 12.03	+ 1 0.6	1.685	2.611	10.7	21.0
5 1	12 6.84	+ 1 37.1	1.772	2.625	14.3	21.2

144281 2004 CW_{103} 3 28.9 2°.62 0°.1/29.1 17

2 21	12 50.82	− 6 11.1	1.734	2.551	15.2	19.3
3 2	12 47.93	− 5 47.3	1.653	2.550	11.8	19.0
3 12	12 42.84	− 5 8.3	1.595	2.550	7.8	18.8
3 22	12 36.16	− 4 18.0	1.561	2.551	3.3	18.5
4 1	12 28.76	− 3 22.2	1.554	2.552	1.4	18.4
4 11	12 21.68	− 2 27.9	1.574	2.555	6.0	18.7
4 21	12 15.84	− 1 41.7	1.620	2.557	10.2	18.9
5 1	12 11.93	− 1 8.5	1.688	2.561	13.9	19.2

280897 2005 WV_{189} 3 28.9 199°.03 2°.2/26.8 17

2 21	12 58.61	+ 1 51.7	2.270	3.079	12.4	21.0
3 2	12 53.34	+ 2 18.3	2.181	3.076	9.4	20.8
3 12	12 46.11	+ 2 51.0	2.116	3.072	6.1	20.5
3 22	12 37.47	+ 3 25.6	2.079	3.067	2.9	20.3
4 1	12 28.19	+ 3 57.3	2.072	3.063	3.0	20.3
4 11	12 19.16	+ 4 21.5	2.094	3.057	6.3	20.5
4 21	12 11.19	+ 4 34.7	2.144	3.051	9.7	20.7
5 1	12 4.93	+ 4 34.9	2.218	3.044	12.7	20.9

455114 2015 VS_{24} 3 28.9 101°.74 3°.0/26.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 57.41	− 0 37.2	1.383	2.218	17.4	20.9
3 2	12 53.36	+ 0 26.6	1.320	2.228	13.2	20.7
3 12	12 46.53	+ 1 44.3	1.277	2.239	8.5	20.5
3 22	12 37.71	+ 3 7.9	1.260	2.250	3.9	20.2
4 1	12 28.11	+ 4 27.0	1.268	2.260	4.2	20.3
4 11	12 19.11	+ 5 31.9	1.303	2.270	8.8	20.6
4 21	12 11.85	+ 6 16.0	1.362	2.280	13.3	20.8
5 1	12 7.10	+ 6 36.5	1.441	2.289	17.2	21.1

140511 2001 TF_{166} 3 28.9 82°.81 6°.4/ 6.5 18

2 21	12 53.08	−27 14.1	2.399	3.084	15.1	19.9
3 2	12 49.19	−27 26.8	2.314	3.098	13.0	19.7
3 12	12 43.42	−27 17.0	2.248	3.111	10.7	19.6
3 22	12 36.34	−26 43.8	2.205	3.125	8.4	19.5
4 1	12 28.70	−25 48.4	2.188	3.139	6.7	19.4
4 11	12 21.38	−24 35.2	2.198	3.153	6.6	19.4
4 21	12 15.12	−23 10.8	2.235	3.166	8.1	19.5
5 1	12 10.53	−21 42.4	2.298	3.180	10.3	19.7

368715 2005 TP_{128} 3 28.9 207°.36 0°.6/29.6 17

2 21	12 54.60	− 8 0.1	1.930	2.728	14.6	21.9
3 2	12 50.65	− 7 33.9	1.841	2.726	11.4	21.7
3 12	12 44.55	− 6 52.1	1.775	2.724	7.7	21.5
3 22	12 36.87	− 5 57.8	1.734	2.722	3.4	21.2
4 1	12 28.46	− 4 55.9	1.721	2.719	1.3	21.0
4 11	12 20.31	− 3 53.5	1.736	2.716	5.5	21.3
4 21	12 13.34	− 2 57.1	1.778	2.713	9.6	21.5
5 1	12 8.25	− 2 12.0	1.844	2.710	13.3	21.8

213589 2002 OP_{9} 3 28.9 205°.73 1°.5/27.3 16

2 21	12 55.42	− 2 52.6	2.103	2.911	13.2	21.2
3 2	12 51.10	− 1 55.4	2.011	2.906	10.1	21.0
3 12	12 44.76	− 0 45.6	1.944	2.900	6.5	20.8
3 22	12 36.94	+ 0 31.8	1.903	2.893	2.7	20.5
4 1	12 28.43	+ 1 50.4	1.892	2.886	2.5	20.5
4 11	12 20.15	+ 3 2.7	1.910	2.878	6.3	20.7
4 21	12 12.95	+ 4 3.0	1.956	2.870	10.1	20.9
5 1	12 7.49	+ 4 46.9	2.025	2.861	13.4	21.1

253569 2003 SC_{281} 3 28.9 198°.21 1°.6/30.3 16

2 21	12 59.54	− 8 57.0	1.908	2.694	15.2	21.8
3 2	12 54.54	− 8 57.6	1.816	2.691	12.0	21.6
3 12	12 47.16	− 8 43.5	1.745	2.688	8.3	21.3
3 22	12 37.99	− 8 16.2	1.700	2.685	4.1	21.1
4 1	12 27.97	− 7 39.4	1.684	2.681	1.8	20.9
4 11	12 18.20	− 6 58.6	1.696	2.676	5.6	21.1
4 21	12 9.69	− 6 19.9	1.735	2.671	9.7	21.4
5 1	12 3.23	− 5 48.6	1.798	2.665	13.5	21.6

292823 2006 UQ_{269} 3 28.9 183°.88 1°.2/27.4 17

2 21	12 54.52	− 0 15.4	3.047	3.845	9.8	21.9
3 2	12 49.71	+ 0 7.3	2.955	3.845	7.4	21.7
3 12	12 43.51	+ 0 35.6	2.890	3.844	4.8	21.5
3 22	12 36.33	+ 1 6.6	2.854	3.844	2.0	21.3
4 1	12 28.73	+ 1 36.9	2.849	3.842	1.8	21.3
4 11	12 21.32	+ 2 3.1	2.874	3.841	4.5	21.5
4 21	12 14.65	+ 2 22.6	2.928	3.838	7.3	21.7
5 1	12 9.19	+ 2 33.1	3.007	3.836	9.7	21.8

214254 2005 EV_{313} 3 28.9 180°.84 0°.6/28.5 18

2 21	12 56.72	− 4 23.9	1.659	2.473	15.9	20.8
3 2	12 52.58	− 3 57.5	1.577	2.474	12.3	20.6
3 12	12 45.96	− 3 16.9	1.518	2.474	8.0	20.3
3 22	12 37.50	− 2 26.2	1.484	2.474	3.3	20.0
4 1	12 28.22	− 1 31.8	1.476	2.474	1.9	19.9
4 11	12 19.29	− 0 41.1	1.497	2.474	6.7	20.2
4 21	12 11.77	− 0 0.6	1.542	2.473	11.1	20.5
5 1	12 6.45	+ 0 25.2	1.611	2.473	15.0	20.7

291886 2006 PG_{26} 3 28.9 270°.32 0°.9/29.7 17

2 21	12 56.59	− 7 46.4	1.735	2.537	15.9	21.7
3 2	12 52.68	− 7 32.3	1.629	2.516	12.6	21.4
3 12	12 46.22	− 7 1.4	1.545	2.495	8.5	21.1
3 22	12 37.71	− 6 15.8	1.486	2.474	3.9	20.8
4 1	12 28.08	− 5 20.3	1.454	2.452	1.5	20.6
4 11	12 18.51	− 4 21.9	1.449	2.430	6.3	20.8
4 21	12 10.16	− 3 28.4	1.471	2.407	11.1	21.0
5 1	12 3.97	− 2 46.2	1.515	2.385	15.4	21.2

63064 2000 WC_{121} 3 28.9 242°.74 1°.1/27.7 18

2 21	12 52.53	− 1 49.6	2.599	3.404	11.1	19.9
3 2	12 48.51	− 1 19.5	2.503	3.396	8.5	19.7
3 12	12 42.90	− 0 41.3	2.433	3.388	5.4	19.5
3 22	12 36.13	+ 0 1.7	2.390	3.380	2.2	19.3
4 1	12 28.82	+ 0 45.3	2.376	3.371	1.8	19.2
4 11	12 21.69	+ 1 24.9	2.392	3.363	5.1	19.5
4 21	12 15.39	+ 1 56.7	2.436	3.354	8.2	19.6
5 1	12 10.44	+ 2 17.9	2.505	3.345	11.0	19.8

285706 2000 SJ_{238} 3 28.9 121°.29 0°.3/28.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 54.49	− 3 48.6	2.748	3.541	10.9	21.6
3 2	12 49.77	− 3 30.6	2.670	3.554	8.3	21.5
3 12	12 43.57	− 3 4.7	2.616	3.568	5.4	21.3
3 22	12 36.36	− 2 33.5	2.591	3.580	2.2	21.1
4 1	12 28.75	− 2 0.7	2.596	3.593	1.2	21.0
4 11	12 21.41	− 1 29.9	2.631	3.605	4.3	21.3
4 21	12 14.94	− 1 4.5	2.694	3.617	7.3	21.5
5 1	12 9.80	− 0 47.1	2.783	3.628	9.9	21.7

425976 2011 HY_{63} 3 28.9 191°.00 3°.1/25.9 18

2 21	12 58.16	+ 5 4.4	2.262	3.078	12.2	21.2
3 2	12 52.97	+ 5 34.0	2.179	3.077	9.3	21.0
3 12	12 45.86	+ 6 7.3	2.120	3.075	6.1	20.8
3 22	12 37.38	+ 6 39.6	2.089	3.074	3.5	20.7
4 1	12 28.30	+ 7 5.9	2.088	3.072	3.9	20.7
4 11	12 19.51	+ 7 21.9	2.115	3.069	6.9	20.9
4 21	12 11.81	+ 7 24.7	2.169	3.067	10.1	21.1
5 1	12 5.81	+ 7 13.4	2.247	3.064	12.9	21.2

322225 2011 BM_{6} 3 28.9 64°.77 1°.6/30.3 18

2 21	12 56.51	− 9 9.5	1.681	2.480	16.4	21.6
3 2	12 52.28	− 9 6.0	1.609	2.492	12.9	21.4
3 12	12 45.66	− 8 45.8	1.559	2.505	8.8	21.2
3 22	12 37.34	− 8 11.4	1.533	2.518	4.3	20.9
4 1	12 28.32	− 7 27.6	1.534	2.531	1.8	20.8
4 11	12 19.77	− 6 40.9	1.563	2.545	5.7	21.1
4 21	12 12.65	− 5 57.9	1.617	2.558	10.0	21.3
5 1	12 7.70	− 5 24.3	1.695	2.571	13.7	21.6

144166 2004 BE_{106} 3 28.9 116°.70 0°.1/28.9 18

2 21	12 58.56	− 5 28.3	1.824	2.627	15.2	20.4
3 2	12 53.64	− 5 9.0	1.751	2.640	11.7	20.2
3 12	12 46.44	− 4 36.5	1.700	2.652	7.7	20.0
3 22	12 37.65	− 3 54.5	1.676	2.665	3.2	19.8
4 1	12 28.21	− 3 8.2	1.679	2.677	1.4	19.7
4 11	12 19.23	− 2 24.0	1.711	2.689	5.9	20.0
4 21	12 11.61	− 1 47.4	1.769	2.700	10.0	20.2
5 1	12 6.06	− 1 22.7	1.851	2.710	13.5	20.5

83032 2001 QN_{181} 3 28.9 213°.16 1°.7/27.4 17

2 21	12 59.16	+ 0 21.9	2.205	3.010	12.8	20.7
3 2	12 53.88	+ 0 44.1	2.111	3.003	9.8	20.4
3 12	12 46.56	+ 1 13.6	2.041	2.996	6.3	20.2
3 22	12 37.72	+ 1 46.5	1.998	2.988	2.8	20.0
4 1	12 28.16	+ 2 18.2	1.986	2.979	2.6	19.9
4 11	12 18.83	+ 2 43.7	2.003	2.970	6.2	20.2
4 21	12 10.57	+ 2 59.2	2.047	2.960	9.8	20.4
5 1	12 4.07	+ 3 2.3	2.116	2.949	13.0	20.5

266424 2007 GR_{34} 3 28.9 290°.23 1°.5/27.7 18

2 21	12 55.69	− 1 17.0	1.807	2.626	14.6	20.5
3 2	12 51.64	− 0 52.0	1.720	2.620	11.2	20.3
3 12	12 45.29	− 0 16.7	1.656	2.614	7.2	20.0
3 22	12 37.23	+ 0 24.8	1.617	2.608	3.0	19.7
4 1	12 28.37	+ 1 6.4	1.607	2.602	2.5	19.7
4 11	12 19.79	+ 1 41.9	1.623	2.596	6.8	19.9
4 21	12 12.45	+ 2 6.3	1.666	2.590	10.9	20.2
5 1	12 7.12	+ 2 16.0	1.731	2.584	14.6	20.4

8711 Lukeasher 3 28.9 14°.51 9°.0/17.1 18

2 21	12 50.40	+14 14.7	1.684	2.536	14.0	17.4
3 2	12 47.72	+17 4.6	1.629	2.537	11.2	17.3
3 12	12 42.77	+19 54.7	1.600	2.538	9.3	17.2
3 22	12 36.17	+22 31.3	1.599	2.540	9.3	17.2
4 1	12 28.85	+24 41.5	1.624	2.542	11.1	17.3
4 11	12 21.90	+26 16.7	1.673	2.544	13.8	17.4
4 21	12 16.27	+27 14.3	1.743	2.547	16.5	17.6
5 1	12 12.66	+27 36.0	1.830	2.549	18.8	17.8

162612 2000 SX_{99} 3 28.9 130°.59 1°.2/29.9 18

2 21	12 57.29	− 8 50.1	1.604	2.406	16.9	20.4
3 2	12 53.10	− 8 35.5	1.525	2.411	13.3	20.2
3 12	12 46.34	− 8 2.7	1.467	2.416	9.0	20.0
3 22	12 37.69	− 7 14.7	1.434	2.421	4.2	19.7
4 1	12 28.19	− 6 16.9	1.427	2.425	1.6	19.5
4 11	12 19.10	− 5 17.2	1.447	2.429	6.2	19.8
4 21	12 11.49	− 4 23.1	1.493	2.433	10.7	20.1
5 1	12 6.18	− 3 41.1	1.562	2.437	14.8	20.3

65020 2002 AW_{99} 3 28.9 248°.60 2°.9/25.5 18

2 21	12 52.42	+ 3 59.7	2.462	3.283	11.1	19.3
3 2	12 48.49	+ 4 46.2	2.376	3.278	8.4	19.1
3 12	12 42.91	+ 5 37.7	2.316	3.273	5.5	18.9
3 22	12 36.16	+ 6 29.6	2.283	3.268	3.2	18.8
4 1	12 28.87	+ 7 16.7	2.279	3.262	3.7	18.8
4 11	12 21.81	+ 7 54.1	2.304	3.257	6.5	19.0
4 21	12 15.63	+ 8 18.5	2.355	3.251	9.4	19.1
5 1	12 10.89	+ 8 28.1	2.430	3.246	12.1	19.3

205838 2002 EA_{20} 3 28.9 324°.89 1°.4/27.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 51.18	− 3 49.5	1.244	2.088	18.4	19.9
3 2	12 49.24	− 3 13.8	1.158	2.071	14.3	19.6
3 12	12 44.32	− 2 18.6	1.092	2.056	9.3	19.3
3 22	12 37.02	− 1 9.1	1.049	2.040	3.8	18.9
4 1	12 28.47	+ 0 5.7	1.029	2.026	2.8	18.8
4 11	12 20.15	+ 1 14.4	1.034	2.012	8.6	19.1
4 21	12 13.46	+ 2 7.4	1.061	2.000	14.1	19.3
5 1	12 9.43	+ 2 37.9	1.107	1.988	18.9	19.6

467509 2007 CW_{50} 3 28.9 92°.11 7°.1/19.9 18

2 21	12 56.78	+12 19.3	1.984	2.816	13.0	21.1
3 2	12 51.95	+14 47.1	1.948	2.848	10.1	21.0
3 12	12 45.15	+17 12.7	1.939	2.879	7.8	20.9
3 22	12 37.05	+19 25.2	1.959	2.909	7.2	20.9
4 1	12 28.55	+21 15.2	2.008	2.939	8.6	21.0
4 11	12 20.59	+22 36.8	2.084	2.968	10.9	21.2
4 21	12 13.95	+23 28.4	2.184	2.996	13.3	21.5
5 1	12 9.18	+23 51.5	2.303	3.024	15.3	21.7

519039 2010 KO_{18} 3 28.9 279°.73 3°.1/ 1.7 16

2 21	12 51.60	−16 8.5	2.478	3.230	13.0	21.8
3 2	12 48.10	−15 59.9	2.363	3.211	10.7	21.6
3 12	12 42.81	−15 34.4	2.270	3.191	7.9	21.4
3 22	12 36.18	−14 52.3	2.202	3.171	5.0	21.1
4 1	12 28.85	−13 56.1	2.162	3.151	3.1	21.0
4 11	12 21.61	−12 50.3	2.151	3.131	4.7	21.0
4 21	12 15.19	−11 40.8	2.169	3.111	7.7	21.2
5 1	12 10.24	−10 33.7	2.212	3.090	10.8	21.4

368716 2005 TX_{153} 3 28.9 122°.24 0°.7/29.7 16

2 21	12 55.98	− 8 14.8	2.041	2.832	14.2	22.2
3 2	12 51.47	− 7 50.3	1.964	2.844	11.0	22.0
3 12	12 44.96	− 7 11.3	1.909	2.856	7.4	21.8
3 22	12 37.03	− 6 21.0	1.880	2.867	3.4	21.6
4 1	12 28.53	− 5 24.2	1.880	2.878	1.2	21.4
4 11	12 20.39	− 4 27.1	1.909	2.888	5.1	21.7
4 21	12 13.44	− 3 35.6	1.965	2.899	8.9	22.0
5 1	12 8.29	− 2 54.4	2.046	2.908	12.3	22.2

63044 2000 WR_{86} 3 28.9 201°.52 0°.1/28.9 18

2 21	12 58.42	− 5 36.9	2.064	2.858	13.9	20.2
3 2	12 53.48	− 5 10.8	1.970	2.854	10.8	20.0
3 12	12 46.39	− 4 31.6	1.899	2.849	7.1	19.8
3 22	12 37.69	− 3 42.7	1.854	2.843	3.0	19.5
4 1	12 28.22	− 2 49.0	1.839	2.837	1.4	19.4
4 11	12 18.99	− 1 56.5	1.853	2.829	5.7	19.7
4 21	12 10.90	− 1 11.2	1.895	2.821	9.7	19.9
5 1	12 4.66	− 0 37.3	1.961	2.812	13.2	20.1

292890 2006 VG_{33} 3 28.9 171°.45 0°.7/28.1 17

2 21	12 52.94	− 2 56.4	2.882	3.679	10.3	21.9
3 2	12 48.61	− 2 25.9	2.794	3.681	7.9	21.7
3 12	12 42.85	− 1 47.7	2.731	3.684	5.1	21.5
3 22	12 36.11	− 1 4.8	2.696	3.686	2.1	21.3
4 1	12 28.93	− 0 20.8	2.692	3.688	1.4	21.3
4 11	12 21.96	+ 0 20.2	2.717	3.689	4.4	21.5
4 21	12 15.76	+ 0 54.6	2.772	3.690	7.3	21.7
5 1	12 10.81	+ 1 19.8	2.852	3.690	9.9	21.9

57471 Mariemarsina 3 28.9 99°.17 2°.6/25.8 18

2 21	12 53.40	+ 2 37.7	2.379	3.198	11.5	19.4
3 2	12 49.16	+ 3 28.7	2.312	3.213	8.7	19.2
3 12	12 43.27	+ 4 25.2	2.270	3.227	5.6	19.1
3 22	12 36.28	+ 5 22.3	2.255	3.242	3.0	18.9
4 1	12 28.87	+ 6 14.6	2.270	3.256	3.4	19.0
4 11	12 21.81	+ 6 57.2	2.314	3.270	6.3	19.2
4 21	12 15.73	+ 7 26.8	2.385	3.284	9.2	19.4
5 1	12 11.15	+ 7 41.6	2.479	3.298	11.8	19.6

202677 2006 QG_{39} 3 28.9 165°.90 4°.0/23.8 17

2 21	12 52.26	+ 6 48.9	2.467	3.293	10.9	20.3
3 2	12 48.33	+ 8 0.1	2.392	3.295	8.3	20.2
3 12	12 42.78	+ 9 14.9	2.343	3.297	5.7	20.0
3 22	12 36.10	+10 27.6	2.322	3.299	4.0	19.9
4 1	12 28.94	+11 31.9	2.331	3.301	4.9	19.9
4 11	12 22.05	+12 22.8	2.367	3.303	7.4	20.1
4 21	12 16.06	+12 57.1	2.430	3.304	10.1	20.3
5 1	12 11.51	+13 13.5	2.516	3.305	12.5	20.4

135231 2001 RC_{136} 3 28.9 102°.51 2°.6/25.7 17

2 21	12 51.66	+ 1 22.4	2.295	3.116	11.8	19.5
3 2	12 47.95	+ 2 28.2	2.222	3.125	8.9	19.3
3 12	12 42.56	+ 3 41.7	2.174	3.133	5.7	19.1
3 22	12 36.01	+ 4 57.2	2.154	3.141	3.0	19.0
4 1	12 28.99	+ 6 8.4	2.163	3.149	3.5	19.0
4 11	12 22.28	+ 7 9.5	2.201	3.157	6.5	19.2
4 21	12 16.53	+ 7 56.2	2.265	3.165	9.6	19.4
5 1	12 12.29	+ 8 26.2	2.353	3.173	12.3	19.6

32278 Makaram 3 28.9 145°.05 0°.1/28.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 55.20	− 6 2.6	2.029	2.829	13.9	18.9
3 2	12 50.94	− 5 29.9	1.947	2.835	10.8	18.7
3 12	12 44.65	− 4 43.8	1.889	2.841	7.0	18.5
3 22	12 36.93	− 3 48.0	1.857	2.846	2.9	18.2
4 1	12 28.59	− 2 47.8	1.853	2.851	1.3	18.1
4 11	12 20.57	− 1 49.8	1.878	2.856	5.5	18.4
4 21	12 13.71	− 0 59.6	1.931	2.860	9.4	18.6
5 1	12 8.64	− 0 21.7	2.007	2.864	12.7	18.8

327197 2005 MC_{39} 3 28.9 194°.86 2°.3/31.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 56.38	−11 33.0	1.913	2.694	15.3	21.6
3 2	12 52.11	−11 29.5	1.822	2.693	12.3	21.4
3 12	12 45.58	−11 8.9	1.753	2.692	8.6	21.2
3 22	12 37.38	−10 32.6	1.710	2.691	4.7	20.9
4 1	12 28.38	− 9 44.2	1.693	2.689	2.3	20.8
4 11	12 19.64	− 8 49.8	1.705	2.687	5.4	20.9
4 21	12 12.12	− 7 56.1	1.744	2.685	9.4	21.2
5 1	12 6.57	− 7 9.3	1.807	2.682	13.0	21.4

506192 2016 GX_{120} 3 28.9 272°.70 1°.3/27.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 54.66	− 2 54.2	1.869	2.684	14.3	22.4
3 2	12 50.93	− 2 15.3	1.768	2.666	11.1	22.2
3 12	12 44.92	− 1 23.0	1.690	2.648	7.2	21.9
3 22	12 37.15	− 0 21.8	1.638	2.629	3.0	21.6
4 1	12 28.46	+ 0 42.2	1.614	2.610	2.4	21.5
4 11	12 19.91	+ 1 41.5	1.618	2.591	6.8	21.7
4 21	12 12.48	+ 2 29.5	1.648	2.571	11.1	21.9
5 1	12 6.99	+ 3 1.5	1.701	2.552	14.9	22.1

372622 2009 VX_{42} 3 28.9 167°.70 3°.0/26.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 59.06	+ 4 8.6	2.073	2.890	13.1	21.0
3 2	12 53.82	+ 4 35.3	1.993	2.892	10.0	20.7
3 12	12 46.50	+ 5 6.4	1.938	2.894	6.5	20.5
3 22	12 37.69	+ 5 37.3	1.910	2.896	3.5	20.3
4 1	12 28.27	+ 6 2.5	1.910	2.897	3.8	20.4
4 11	12 19.19	+ 6 17.5	1.940	2.899	7.1	20.6
4 21	12 11.31	+ 6 19.4	1.996	2.900	10.5	20.8
5 1	12 5.29	+ 6 6.8	2.075	2.900	13.5	21.0

32856 1992 SA_{25} 3 28.9 183°.00 0°.6/29.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 54.37	− 9 27.5	2.559	3.335	12.0	19.3
3 2	12 49.93	− 8 41.9	2.464	3.336	9.4	19.1
3 12	12 43.84	− 7 42.0	2.393	3.336	6.3	18.9
3 22	12 36.56	− 6 31.1	2.349	3.336	2.9	18.7
4 1	12 28.75	− 5 13.6	2.336	3.334	1.0	18.5
4 11	12 21.17	− 3 55.5	2.354	3.332	4.4	18.8
4 21	12 14.48	− 2 42.4	2.401	3.330	7.8	19.0
5 1	12 9.22	− 1 39.2	2.474	3.326	10.8	19.2

498572 2008 LD_{9} 3 28.9 268°.37 9°.3/19.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 56.75	+19 12.9	1.809	2.644	13.9	21.5
3 2	12 52.54	+20 46.5	1.743	2.635	11.5	21.3
3 12	12 45.90	+22 14.6	1.699	2.626	9.7	21.2
3 22	12 37.51	+23 27.2	1.681	2.617	9.4	21.1
4 1	12 28.35	+24 15.3	1.688	2.607	10.7	21.2
4 11	12 19.57	+24 33.5	1.719	2.598	13.1	21.3
4 21	12 12.17	+24 20.9	1.771	2.588	15.7	21.5
5 1	12 6.92	+23 39.9	1.841	2.579	18.1	21.6

298721 2004 FY_{72} 3 28.9 294°.14 0°.3/28.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 51.33	− 5 41.1	2.150	2.955	13.1	21.1
3 2	12 48.03	− 5 5.0	2.050	2.941	10.1	20.9
3 12	12 42.83	− 4 15.4	1.973	2.927	6.6	20.6
3 22	12 36.21	− 3 15.8	1.923	2.913	2.8	20.3
4 1	12 28.90	− 2 11.4	1.901	2.899	1.4	20.2
4 11	12 21.74	− 1 8.4	1.908	2.885	5.5	20.4
4 21	12 15.54	− 0 13.0	1.942	2.871	9.3	20.6
5 1	12 10.95	+ 0 30.3	2.000	2.858	12.7	20.8

110123 2001 SK_{140} 3 28.9 59°.23 0°.1/28.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 54.20	− 6 24.6	1.638	2.452	16.1	19.1
3 2	12 50.58	− 5 50.2	1.566	2.461	12.4	18.9
3 12	12 44.61	− 4 59.3	1.516	2.471	8.1	18.6
3 22	12 36.95	− 3 56.6	1.491	2.481	3.4	18.4
4 1	12 28.61	− 2 48.8	1.493	2.491	1.5	18.3
4 11	12 20.70	− 1 44.2	1.522	2.501	6.3	18.6
4 21	12 14.21	− 0 49.8	1.576	2.511	10.6	18.9
5 1	12 9.82	− 0 10.6	1.653	2.521	14.4	19.1

498290 2007 VJ_{76} 3 28.9 173°.84 4°.1/24.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 55.74	+ 9 2.2	2.536	3.356	10.9	22.0
3 2	12 50.92	+ 9 46.8	2.460	3.358	8.4	21.9
3 12	12 44.43	+10 32.4	2.409	3.360	5.8	21.7
3 22	12 36.79	+11 14.0	2.386	3.361	4.2	21.6
4 1	12 28.68	+11 46.7	2.392	3.362	4.9	21.6
4 11	12 20.85	+12 6.4	2.427	3.363	7.2	21.8
4 21	12 13.97	+12 11.3	2.489	3.363	9.8	22.0
5 1	12 8.57	+12 0.6	2.574	3.363	12.2	22.1

404305 2013 EV_{120} 3 28.9 82°.44 1°.5/30.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 58.19	− 9 22.8	1.455	2.260	18.2	21.2
3 2	12 53.92	− 9 10.9	1.388	2.275	14.3	21.0
3 12	12 46.91	− 8 39.4	1.341	2.289	9.7	20.8
3 22	12 37.94	− 7 51.2	1.318	2.304	4.7	20.5
4 1	12 28.20	− 6 52.6	1.320	2.318	1.8	20.4
4 11	12 19.02	− 5 52.0	1.350	2.332	6.4	20.7
4 21	12 11.54	− 4 57.5	1.405	2.347	11.1	21.0
5 1	12 6.54	− 4 15.7	1.482	2.360	15.1	21.3

176674 2002 PD_{51} 3 28.9 238°.95 1°.6/27.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 57.35	− 1 45.0	1.992	2.802	13.8	21.6
3 2	12 52.83	− 1 7.0	1.892	2.787	10.6	21.4
3 12	12 46.07	− 0 17.7	1.816	2.772	6.9	21.1
3 22	12 37.62	+ 0 38.8	1.766	2.756	2.9	20.8
4 1	12 28.30	+ 1 36.3	1.746	2.740	2.6	20.8
4 11	12 19.13	+ 2 28.1	1.754	2.723	6.7	21.0
4 21	12 11.07	+ 3 8.5	1.788	2.705	10.7	21.2
5 1	12 4.91	+ 3 33.7	1.846	2.687	14.3	21.4

211443 2003 AU_{52} 3 28.9 70°.72 8°.9/17.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 54.45	+22 52.0	2.180	3.005	12.2	19.6
3 2	12 50.25	+24 24.9	2.134	3.014	10.3	19.5
3 12	12 44.11	+25 48.5	2.113	3.022	9.1	19.4
3 22	12 36.68	+26 54.9	2.118	3.031	9.0	19.4
4 1	12 28.77	+27 37.6	2.148	3.039	10.1	19.5
4 11	12 21.30	+27 53.4	2.201	3.048	11.9	19.7
4 21	12 15.03	+27 42.4	2.277	3.057	13.8	19.8
5 1	12 10.52	+27 7.2	2.370	3.066	15.5	20.0

136504 2005 JX_{153} 3 28.9 101°.64 0°.2/29.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 54.28	− 8 47.9	1.705	2.509	16.0	20.2
3 2	12 50.56	− 7 52.1	1.632	2.521	12.4	20.0
3 12	12 44.55	− 6 36.9	1.581	2.532	8.2	19.8
3 22	12 36.93	− 5 7.2	1.555	2.544	3.5	19.5
4 1	12 28.67	− 3 30.9	1.557	2.555	1.4	19.4
4 11	12 20.85	− 1 57.5	1.587	2.566	6.1	19.7
4 21	12 14.40	− 0 35.3	1.644	2.577	10.4	20.0
5 1	12 9.99	+ 0 29.7	1.724	2.588	14.1	20.2

332618 2008 TX_{97} 3 28.9 165°.35 1°.6/30.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 55.26	−10 55.4	2.488	3.258	12.5	22.1
3 2	12 50.67	−10 42.2	2.397	3.262	9.9	21.9
3 12	12 44.35	−10 15.6	2.329	3.266	6.9	21.7
3 22	12 36.81	− 9 37.2	2.288	3.270	3.6	21.5
4 1	12 28.72	− 8 50.6	2.277	3.273	1.7	21.4
4 11	12 20.86	− 8 0.2	2.295	3.276	4.3	21.6
4 21	12 13.94	− 7 11.2	2.342	3.278	7.6	21.8
5 1	12 8.53	− 6 28.0	2.415	3.280	10.6	22.0

500944 2013 QS_{5} 3 28.9 269°.17 0°.8/29.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 55.34	− 8 12.9	1.818	2.617	15.3	21.9
3 2	12 51.59	− 7 52.9	1.714	2.599	12.1	21.7
3 12	12 45.44	− 7 16.0	1.632	2.581	8.2	21.4
3 22	12 37.43	− 6 24.5	1.575	2.562	3.8	21.1
4 1	12 28.40	− 5 23.2	1.545	2.543	1.4	20.9
4 11	12 19.49	− 4 19.4	1.544	2.524	6.0	21.1
4 21	12 11.74	− 3 20.5	1.568	2.505	10.5	21.3
5 1	12 6.02	− 2 32.9	1.616	2.485	14.6	21.5

246523 2008 EV_{120} 3 28.9 252°.97 0°.4/28.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 45.25	− 3 23.3	4.516	5.310	6.9	20.6
3 2	12 42.35	− 2 49.6	4.420	5.307	5.2	20.5
3 12	12 38.62	− 2 10.6	4.351	5.304	3.4	20.3
3 22	12 34.33	− 1 28.3	4.311	5.301	1.4	20.2
4 1	12 29.79	− 0 45.1	4.302	5.298	0.9	20.1
4 11	12 25.36	− 0 3.7	4.324	5.296	2.9	20.3
4 21	12 21.34	+ 0 33.9	4.374	5.293	4.9	20.4
5 1	12 18.03	+ 1 5.5	4.452	5.290	6.6	20.6

465943 2011 AS_{47} 3 28.9 120°.98 1°.4/27.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 55.28	− 2 35.1	1.900	2.714	14.2	21.9
3 2	12 51.09	− 1 49.0	1.825	2.723	10.8	21.7
3 12	12 44.80	− 0 51.3	1.774	2.731	6.9	21.4
3 22	12 37.02	+ 0 13.1	1.749	2.739	2.9	21.2
4 1	12 28.64	+ 1 17.6	1.752	2.747	2.4	21.2
4 11	12 20.63	+ 2 15.1	1.784	2.754	6.4	21.4
4 21	12 13.86	+ 3 0.2	1.842	2.762	10.3	21.7
5 1	12 8.98	+ 3 29.5	1.923	2.769	13.6	21.9

353944 1998 XO_{6} 3 28.9 65°.92 1°.7/27.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 58.08	− 2 51.6	1.274	2.107	18.7	21.1
3 2	12 54.00	− 2 8.0	1.219	2.127	14.2	20.9
3 12	12 46.99	− 1 8.9	1.185	2.146	9.1	20.6
3 22	12 37.98	− 0 1.3	1.175	2.166	3.7	20.4
4 1	12 28.26	+ 1 5.2	1.190	2.185	3.0	20.4
4 11	12 19.29	+ 2 1.3	1.230	2.205	8.1	20.7
4 21	12 12.23	+ 2 40.1	1.295	2.225	12.9	21.1
5 1	12 7.81	+ 2 58.4	1.380	2.245	16.9	21.4

63150 2000 XH_{23} 3 28.9 222°.33 3°.3/25.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 55.19	+ 7 10.2	2.688	3.504	10.4	19.6
3 2	12 50.47	+ 7 42.8	2.601	3.499	8.0	19.5
3 12	12 44.16	+ 8 17.3	2.540	3.493	5.4	19.3
3 22	12 36.72	+ 8 49.5	2.507	3.487	3.5	19.1
4 1	12 28.78	+ 9 15.1	2.503	3.481	4.0	19.2
4 11	12 21.06	+ 9 30.5	2.529	3.474	6.4	19.3
4 21	12 14.20	+ 9 33.4	2.582	3.468	9.1	19.5
5 1	12 8.72	+ 9 22.9	2.659	3.461	11.5	19.6

221253 2005 UG_{267} 3 28.9 295°.24 0°.3/28.7 17

2 21	12 53.71	− 5 41.0	1.794	2.605	15.0	21.2
3 2	12 50.14	− 5 5.1	1.709	2.603	11.6	21.0
3 12	12 44.34	− 4 14.0	1.646	2.601	7.6	20.7
3 22	12 36.90	− 3 11.9	1.609	2.599	3.1	20.4
4 1	12 28.70	− 2 4.9	1.600	2.598	1.6	20.3
4 11	12 20.80	− 1 0.8	1.618	2.596	6.2	20.6
4 21	12 14.14	− 0 6.2	1.662	2.594	10.4	20.8
5 1	12 9.43	+ 0 33.6	1.730	2.592	14.1	21.1

275490 5088 $T\text{-}_3$ 3 28.9 188°.71 5°.1/23.6 18

2 21	12 57.20	+10 21.5	2.225	3.050	12.0	20.6
3 2	12 52.31	+11 16.4	2.150	3.049	9.3	20.4
3 12	12 45.49	+12 11.9	2.099	3.048	6.7	20.2
3 22	12 37.30	+13 1.8	2.076	3.047	5.1	20.1
4 1	12 28.54	+13 40.1	2.081	3.045	6.0	20.2
4 11	12 20.11	+14 2.1	2.114	3.043	8.5	20.3
4 21	12 12.77	+14 5.5	2.172	3.040	11.3	20.5
5 1	12 7.15	+13 50.3	2.253	3.037	13.9	20.7

111976 2002 GX_{92} 3 29.0 223°.64 0°.4/29.3 16

2 21	12 59.75	− 5 45.1	1.809	2.609	15.4	20.4
3 2	12 54.89	− 5 40.1	1.716	2.602	12.0	20.2
3 12	12 47.54	− 5 22.1	1.644	2.595	8.0	19.9
3 22	12 38.29	− 4 53.5	1.598	2.587	3.5	19.6
4 1	12 28.10	− 4 18.5	1.580	2.578	1.4	19.4
4 11	12 18.13	− 3 43.3	1.590	2.569	6.1	19.7
4 21	12 9.46	− 3 13.4	1.627	2.560	10.5	20.0
5 1	12 2.93	− 2 53.7	1.688	2.550	14.4	20.2

377446 2004 TR_{345} 3 29.0 151°.97 2°.1/26.8 17

2 21	12 57.32	+ 1 34.4	2.268	3.079	12.3	21.5
3 2	12 52.31	+ 2 5.0	2.189	3.085	9.3	21.3
3 12	12 45.44	+ 2 41.7	2.135	3.091	6.0	21.1
3 22	12 37.28	+ 3 20.4	2.109	3.097	2.8	20.9
4 1	12 28.57	+ 3 56.0	2.112	3.102	2.9	20.9
4 11	12 20.19	+ 4 23.9	2.144	3.107	6.1	21.1
4 21	12 12.88	+ 4 40.8	2.204	3.112	9.4	21.3
5 1	12 7.24	+ 4 44.7	2.287	3.116	12.3	21.5

473765 2016 EV_{57} 3 29.0 325°.70 1°.5/27.9 17

2 21	12 54.12	− 2 10.6	1.365	2.203	17.4	20.8
3 2	12 51.24	− 1 46.9	1.281	2.190	13.5	20.5
3 12	12 45.50	− 1 8.6	1.217	2.179	8.8	20.2
3 22	12 37.53	− 0 20.8	1.176	2.168	3.7	19.9
4 1	12 28.42	+ 0 29.1	1.161	2.157	2.8	19.8
4 11	12 19.59	+ 1 12.3	1.170	2.147	8.1	20.1
4 21	12 12.33	+ 1 41.6	1.203	2.138	13.2	20.3
5 1	12 7.60	+ 1 52.2	1.256	2.130	17.7	20.6

42166 2001 CL_{11} 3 29.0 167°.40 0°.5/28.5 18

2 21	12 58.44	− 4 31.8	2.037	2.836	13.9	20.2
3 2	12 53.44	− 4 1.0	1.953	2.841	10.7	20.0
3 12	12 46.32	− 3 18.0	1.893	2.845	7.0	19.8
3 22	12 37.69	− 2 26.7	1.859	2.849	2.9	19.5
4 1	12 28.40	− 1 32.3	1.855	2.852	1.6	19.4
4 11	12 19.43	− 0 41.2	1.879	2.854	5.8	19.7
4 21	12 11.65	+ 0 1.4	1.932	2.856	9.6	19.9
5 1	12 5.75	+ 0 31.4	2.008	2.857	13.0	20.2

146847 2002 AV_{84} 3 29.0 271°.60 3°.8/24.0 18

2 21	12 51.02	+ 5 49.0	2.360	3.189	11.3	19.7
3 2	12 47.53	+ 6 59.4	2.280	3.186	8.6	19.5
3 12	12 42.36	+ 8 14.6	2.226	3.183	5.8	19.3
3 22	12 36.00	+ 9 28.8	2.200	3.180	3.9	19.2
4 1	12 29.12	+10 35.5	2.203	3.177	4.8	19.2
4 11	12 22.49	+11 29.1	2.233	3.174	7.4	19.4
4 21	12 16.76	+12 6.1	2.290	3.171	10.3	19.6
5 1	12 12.49	+12 24.7	2.369	3.168	12.9	19.7

400282 2007 RV_{314} 3 29.0 152°.71 1°.9/30.9 18

2 21	12 58.80	−11 53.7	2.092	2.862	14.6	22.9
3 2	12 53.68	−11 36.2	2.008	2.872	11.6	22.7
3 12	12 46.46	−11 1.9	1.946	2.882	8.1	22.5
3 22	12 37.74	−10 12.8	1.910	2.891	4.3	22.3
4 1	12 28.39	− 9 13.1	1.903	2.899	2.0	22.1
4 11	12 19.38	− 8 9.0	1.926	2.906	5.0	22.4
4 21	12 11.58	− 7 6.9	1.976	2.913	8.7	22.6
5 1	12 5.64	− 6 12.7	2.052	2.918	12.1	22.8

362614 2011 RW_{12} 3 29.0 71°.73 1°.3/29.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 0.17	− 8 23.7	1.381	2.190	18.8	21.3
3 2	12 55.44	− 8 15.8	1.323	2.213	14.7	21.1
3 12	12 47.88	− 7 49.0	1.286	2.236	9.8	20.8
3 22	12 38.37	− 7 6.8	1.271	2.259	4.6	20.6
4 1	12 28.16	− 6 15.5	1.283	2.281	1.7	20.4
4 11	12 18.67	− 5 23.5	1.322	2.304	6.5	20.8
4 21	12 11.04	− 4 38.4	1.385	2.326	11.3	21.1
5 1	12 6.01	− 4 6.0	1.470	2.348	15.3	21.4

455679 2005 EC_{26} 3 29.0 6°.64 0°.1/29.1 17

2 21	12 54.49	− 5 28.5	1.294	2.126	18.5	21.0
3 2	12 51.53	− 5 17.2	1.221	2.126	14.4	20.8
3 12	12 45.64	− 4 48.5	1.168	2.127	9.5	20.5
3 22	12 37.55	− 4 6.2	1.138	2.128	4.1	20.2
4 1	12 28.46	− 3 17.3	1.132	2.130	1.7	20.0
4 11	12 19.82	− 2 30.4	1.151	2.133	7.3	20.4
4 21	12 12.89	− 1 53.6	1.194	2.137	12.5	20.7
5 1	12 8.58	− 1 32.3	1.257	2.141	16.9	20.9

306277 2011 SF_8 3 29.0 200°.88 0°.6/29.8 17

2 21	12 53.07	− 7 49.5	2.985	3.762	10.5	22.0
3 2	12 48.76	− 7 30.3	2.885	3.758	8.2	21.8
3 12	12 43.02	− 7 1.1	2.810	3.754	5.5	21.7
3 22	12 36.26	− 6 24.0	2.762	3.749	2.5	21.5
4 1	12 29.02	− 5 41.9	2.745	3.743	0.9	21.3
4 11	12 21.95	− 4 58.8	2.759	3.737	3.8	21.5
4 21	12 15.59	− 4 18.4	2.801	3.731	6.8	21.7
5 1	12 10.44	− 3 44.1	2.870	3.724	9.4	21.9

300343 2007 RF_{41} 3 29.0 127°.08 0°.3/28.8 18

2 21	13 0.54	− 4 6.1	1.645	2.454	16.3	20.7
3 2	12 55.50	− 3 56.6	1.570	2.462	12.6	20.5
3 12	12 47.88	− 3 34.4	1.516	2.470	8.2	20.2
3 22	12 38.40	− 3 3.1	1.487	2.477	3.4	20.0
4 1	12 28.11	− 2 28.1	1.487	2.484	1.6	19.8
4 11	12 18.29	− 1 55.7	1.513	2.491	6.5	20.2
4 21	12 9.99	− 1 31.6	1.566	2.497	11.0	20.4
5 1	12 4.01	− 1 19.6	1.642	2.504	14.8	20.7

242909 2006 LR_4 3 29.0 257°.34 5°.8/22.3 17

2 21	12 57.59	+14 20.4	2.425	3.246	11.3	20.3
3 2	12 52.61	+15 12.4	2.336	3.228	9.0	20.1
3 12	12 45.72	+16 2.7	2.271	3.210	6.9	19.9
3 22	12 37.45	+16 45.1	2.233	3.192	5.8	19.8
4 1	12 28.51	+17 14.0	2.224	3.173	6.8	19.9
4 11	12 19.77	+17 24.9	2.243	3.154	9.0	20.0
4 21	12 12.01	+17 16.2	2.287	3.134	11.6	20.1
5 1	12 5.87	+16 48.1	2.353	3.114	14.0	20.2

457636 2009 BN_{155} 3 29.0 342°.34 3°.1/31.0 18

2 21	12 55.84	−10 26.8	1.302	2.116	19.5	20.9
3 2	12 52.76	−10 50.7	1.221	2.110	15.6	20.6
3 12	12 46.61	−10 54.7	1.158	2.105	11.1	20.3
3 22	12 38.03	−10 38.9	1.117	2.100	6.1	20.0
4 1	12 28.23	−10 6.9	1.100	2.096	3.1	19.8
4 11	12 18.73	− 9 25.8	1.108	2.093	7.1	20.0
4 21	12 10.95	− 8 44.1	1.140	2.090	12.1	20.3
5 1	12 5.92	− 8 10.1	1.192	2.088	16.8	20.6

439129 2011 SG_{225} 3 29.0 220°.61 2°.6/ 1.5 18

2 21	12 50.73	−15 49.8	2.503	3.258	12.8	21.3
3 2	12 47.30	−15 23.7	2.405	3.256	10.4	21.1
3 12	12 42.22	−14 40.2	2.329	3.254	7.6	20.9
3 22	12 35.95	−13 40.8	2.279	3.252	4.6	20.7
4 1	12 29.15	−12 29.0	2.258	3.250	2.6	20.6
4 11	12 22.56	−11 10.2	2.267	3.248	4.3	20.7
4 21	12 16.83	− 9 50.6	2.304	3.246	7.3	20.9
5 1	12 12.53	− 8 36.1	2.367	3.243	10.3	21.1

469354 2001 CA_4 3 29.0 59°.15 13°.4/ 8.2 18

2 21	13 12.56	−30 58.3	1.463	2.138	23.6	20.5
3 2	13 5.80	−33 24.5	1.410	2.170	21.0	20.4
3 12	12 55.20	−35 19.6	1.372	2.201	18.1	20.2
3 22	12 41.63	−36 34.7	1.355	2.233	15.5	20.2
4 1	12 26.71	−37 4.2	1.359	2.265	13.8	20.1
4 11	12 12.48	−36 50.5	1.386	2.297	13.5	20.2
4 21	12 0.67	−36 3.1	1.436	2.329	14.5	20.3
5 1	11 52.41	−34 55.5	1.506	2.360	16.3	20.5

21412 Sinchanban 3 29.0 116°.20 2°.8/26.9 18

2 21	12 58.49	− 0 18.4	1.339	2.174	17.8	18.1
3 2	12 54.46	+ 0 28.2	1.270	2.179	13.6	17.8
3 12	12 47.46	+ 1 28.2	1.221	2.183	8.8	17.5
3 22	12 38.29	+ 2 34.5	1.197	2.187	4.0	17.3
4 1	12 28.17	+ 3 37.6	1.198	2.191	4.0	17.3
4 11	12 18.59	+ 4 28.1	1.225	2.194	8.9	17.5
4 21	12 10.80	+ 4 59.6	1.275	2.198	13.6	17.8
5 1	12 5.65	+ 5 9.1	1.346	2.201	17.8	18.1