361621 2007 TZ_{86} 4 5.9 233°.41 0°.6/ 5.4 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 24.18	− 8 50.5	1.741	2.571	14.7	21.4
3 12	13 19.80	− 7 58.3	1.652	2.562	11.1	21.1
3 22	13 13.11	− 6 49.7	1.586	2.552	6.9	20.8
4 1	13 4.78	− 5 29.4	1.546	2.542	2.2	20.5
4 11	12 55.81	− 4 5.1	1.534	2.531	2.8	20.5
4 21	12 47.28	− 2 45.0	1.549	2.520	7.6	20.8
5 1	12 40.22	− 1 37.1	1.591	2.508	11.9	21.0
5 11	12 35.34	− 0 46.8	1.654	2.496	15.8	21.2

257990 2001 DV_{81} 4 5.9 166°.05 0°.1/ 6.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 26.89	− 9 17.8	2.006	2.822	13.6	21.9
3 12	13 21.41	− 8 50.0	1.926	2.827	10.3	21.7
3 22	13 13.89	− 8 9.6	1.869	2.832	6.4	21.5
4 1	13 4.99	− 7 19.9	1.840	2.836	2.2	21.2
4 11	12 55.64	− 6 26.4	1.841	2.839	2.1	21.2
4 21	12 46.81	− 5 34.7	1.869	2.842	6.3	21.5
5 1	12 39.35	− 4 50.5	1.925	2.844	10.2	21.7
5 11	12 33.89	− 4 18.1	2.005	2.845	13.5	22.0

160398 2004 PT_{103} 4 5.9 234°.64 3°.5/ 8.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 26.41	−17 43.3	1.735	2.530	16.2	20.3
3 12	13 21.67	−17 40.1	1.639	2.519	13.0	20.0
3 22	13 14.39	−17 16.0	1.564	2.508	9.2	19.8
4 1	13 5.25	−16 31.2	1.514	2.497	5.3	19.5
4 11	12 55.32	−15 29.4	1.490	2.485	3.7	19.4
4 21	12 45.79	−14 17.4	1.494	2.472	6.9	19.6
5 1	12 37.82	−13 3.8	1.524	2.459	11.1	19.8
5 11	12 32.22	−11 57.1	1.577	2.445	15.1	20.0

61901 2000 QX_{228} 4 5.9 84°.64 0°.7/ 5.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 24.03	− 6 50.9	1.791	2.625	14.2	19.6
3 12	13 19.49	− 6 22.6	1.715	2.628	10.6	19.3
3 22	13 12.80	− 5 42.7	1.662	2.630	6.5	19.1
4 1	13 4.64	− 4 55.5	1.636	2.632	2.1	18.8
4 11	12 56.01	− 4 6.8	1.637	2.634	2.7	18.9
4 21	12 47.91	− 3 22.9	1.665	2.637	7.1	19.1
5 1	12 41.27	− 2 49.1	1.719	2.639	11.1	19.4
5 11	12 36.71	− 2 29.1	1.795	2.641	14.6	19.6

412395 2013 TX_{127} 4 5.9 227°.35 0°.4/ 6.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 14.27	−10 54.0	4.537	5.337	6.8	20.8
3 12	13 11.09	−10 26.7	4.443	5.334	5.2	20.7
3 22	13 7.12	− 9 53.1	4.375	5.332	3.3	20.6
4 1	13 2.65	− 9 14.8	4.336	5.329	1.3	20.4
4 11	12 58.01	− 8 34.1	4.328	5.327	1.0	20.4
4 21	12 53.54	− 7 53.1	4.350	5.324	3.0	20.5
5 1	12 49.55	− 7 14.3	4.402	5.322	4.9	20.7
5 11	12 46.32	− 6 39.9	4.480	5.319	6.6	20.8

206254 2002 XD_{66} 4 5.9 21°.52 14°.7/29.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 36.17	+30 38.2	1.412	2.226	18.3	17.9
3 12	13 28.60	+31 10.0	1.388	2.245	16.4	17.8
3 22	13 18.20	+31 13.1	1.383	2.265	15.1	17.8
4 1	13 6.31	+30 39.1	1.400	2.287	14.8	17.9
4 11	12 54.58	+29 25.2	1.438	2.310	15.5	18.0
4 21	12 44.40	+27 35.2	1.497	2.335	17.1	18.1
5 1	12 36.76	+25 16.8	1.577	2.360	18.9	18.3
5 11	12 32.08	+22 39.2	1.674	2.387	20.6	18.5

423640 2005 XV_{19} 4 5.9 31°.06 2°.9/ 3.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 24.74	− 0 49.8	1.561	2.414	14.9	20.6
3 12	13 20.20	− 0 18.7	1.497	2.419	11.1	20.4
3 22	13 13.29	+ 0 18.9	1.455	2.426	6.9	20.2
4 1	13 4.81	+ 0 56.9	1.439	2.433	3.2	19.9
4 11	12 55.88	+ 1 28.7	1.449	2.440	4.6	20.0
4 21	12 47.63	+ 1 48.7	1.486	2.448	8.8	20.3
5 1	12 41.05	+ 1 53.1	1.546	2.456	12.8	20.6
5 11	12 36.79	+ 1 40.6	1.627	2.464	16.2	20.8

390044 2012 UA_{62} 4 5.9 2°.61 2°.7/ 3.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 22.78	− 0 5.0	2.009	2.853	12.4	20.5
3 12	13 18.32	+ 0 27.3	1.934	2.853	9.2	20.3
3 22	13 11.96	+ 1 4.3	1.884	2.853	5.7	20.1
4 1	13 4.35	+ 1 41.3	1.861	2.853	2.9	19.9
4 11	12 56.33	+ 2 12.8	1.866	2.854	4.2	20.0
4 21	12 48.78	+ 2 34.3	1.898	2.855	7.6	20.2
5 1	12 42.49	+ 2 42.6	1.955	2.856	11.0	20.4
5 11	12 38.05	+ 2 36.1	2.035	2.857	14.0	20.6

88643 2001 RK_{55} 4 5.9 20°.57 5°.9/31.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 18.17	+ 0 54.7	1.344	2.217	15.6	18.3
3 12	13 15.57	+ 3 4.3	1.288	2.222	11.5	18.1
3 22	13 10.54	+ 5 23.6	1.256	2.228	7.6	17.9
4 1	13 3.90	+ 7 39.6	1.250	2.234	5.9	17.8
4 11	12 56.82	+ 9 38.4	1.269	2.241	8.3	17.9
4 21	12 50.44	+11 9.6	1.312	2.249	12.2	18.2
5 1	12 45.75	+12 7.8	1.377	2.257	16.0	18.4
5 11	12 43.40	+12 32.7	1.460	2.266	19.2	18.7

145295 2005 KK_{6} 4 5.9 280°.83 0°.6/ 6.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 23.12	−11 3.5	1.677	2.505	15.3	20.7
3 12	13 19.24	−10 30.8	1.577	2.484	11.8	20.4
3 22	13 12.93	− 9 39.9	1.500	2.463	7.6	20.1
4 1	13 4.79	− 8 33.8	1.448	2.443	2.8	19.7
4 11	12 55.83	− 7 18.8	1.422	2.421	2.4	19.6
4 21	12 47.20	− 6 3.1	1.424	2.400	7.4	19.9
5 1	12 40.01	− 4 55.2	1.451	2.379	12.1	20.1
5 11	12 35.11	− 4 2.0	1.499	2.358	16.3	20.3

208454 2001 TT_{177} 4 5.9 86°.79 1°.3/ 7.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 23.16	−11 50.2	2.236	3.045	12.6	20.4
3 12	13 18.47	−11 43.9	2.157	3.051	9.7	20.2
3 22	13 12.01	−11 25.5	2.100	3.057	6.3	20.0
4 1	13 4.36	−10 57.1	2.071	3.063	2.8	19.8
4 11	12 56.34	−10 22.3	2.071	3.069	1.9	19.7
4 21	12 48.74	− 9 45.6	2.099	3.075	5.4	20.0
5 1	12 42.32	− 9 11.8	2.154	3.081	8.8	20.2
5 11	12 37.62	− 8 44.9	2.233	3.087	11.8	20.4

51331 2000 LH_{35} 4 5.9 54°.68 3°.4/ 2.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 20.14	− 0 1.0	2.037	2.886	12.1	18.8
3 12	13 16.30	+ 1 14.1	1.968	2.889	8.9	18.6
3 22	13 10.69	+ 2 35.6	1.924	2.893	5.6	18.4
4 1	13 3.92	+ 3 56.9	1.907	2.896	3.5	18.2
4 11	12 56.79	+ 5 10.6	1.919	2.899	5.0	18.3
4 21	12 50.13	+ 6 10.6	1.958	2.903	8.2	18.5
5 1	12 44.68	+ 6 52.8	2.022	2.907	11.4	18.7
5 11	12 40.96	+ 7 15.4	2.107	2.910	14.2	18.9

511989 2015 KN_{104} 4 5.9 300°.39 5°.5/30.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 20.79	+ 8 7.4	2.174	3.026	11.3	21.3
3 12	13 16.77	+ 9 16.2	2.098	3.015	8.7	21.1
3 22	13 11.00	+10 24.9	2.048	3.005	6.4	20.9
4 1	13 4.03	+11 26.7	2.025	2.995	5.6	20.9
4 11	12 56.66	+12 15.0	2.029	2.985	7.0	20.9
4 21	12 49.67	+12 45.5	2.060	2.976	9.6	21.1
5 1	12 43.81	+12 55.4	2.114	2.966	12.3	21.2
5 11	12 39.65	+12 44.9	2.189	2.956	14.8	21.4

328270 2008 GJ_{44} 4 5.9 251°.75 6°.0/31.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 28.92	+ 9 2.5	1.912	2.755	13.0	21.1
3 12	13 23.14	+ 9 46.1	1.831	2.742	10.1	20.9
3 22	13 15.09	+10 27.6	1.773	2.729	7.3	20.7
4 1	13 5.45	+11 0.0	1.743	2.715	6.0	20.5
4 11	12 55.24	+11 16.9	1.740	2.701	7.4	20.6
4 21	12 45.50	+11 14.3	1.763	2.687	10.4	20.7
5 1	12 37.21	+10 50.6	1.811	2.672	13.7	20.9
5 11	12 31.07	+10 6.9	1.880	2.658	16.6	21.1

347607 2001 RL_{101} 4 5.9 190°.44 2°.2/ 8.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 25.60	−14 27.8	2.640	3.425	11.6	21.2
3 12	13 20.12	−14 38.9	2.546	3.424	9.1	21.0
3 22	13 12.98	−14 38.7	2.477	3.422	6.2	20.8
4 1	13 4.70	−14 28.0	2.435	3.421	3.3	20.6
4 11	12 55.99	−14 9.0	2.423	3.418	2.4	20.6
4 21	12 47.59	−13 44.8	2.441	3.416	4.9	20.7
5 1	12 40.21	−13 19.3	2.487	3.413	7.8	20.9
5 11	12 34.39	−12 56.6	2.559	3.410	10.6	21.1

61297 2000 OD_{46} 4 5.9 274°.67 6°.2/10.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 25.62	−22 46.9	1.613	2.392	18.0	20.0
3 12	13 21.53	−23 8.3	1.508	2.371	15.0	19.7
3 22	13 14.59	−23 5.1	1.422	2.349	11.5	19.4
4 1	13 5.43	−22 34.4	1.359	2.327	8.0	19.2
4 11	12 55.16	−21 37.4	1.321	2.305	6.2	19.0
4 21	12 45.16	−20 19.7	1.308	2.282	8.2	19.0
5 1	12 36.78	−18 50.8	1.320	2.259	12.1	19.2
5 11	12 31.05	−17 22.3	1.354	2.236	16.3	19.4

347879 2002 TM_{59} 4 5.9 261°.75 3°.9/ 9.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 22.57	−24 32.2	1.244	2.041	21.3	20.7
3 12	13 19.68	−23 2.1	1.146	2.026	17.5	20.3
3 22	13 13.59	−20 42.6	1.067	2.010	12.6	20.0
4 1	13 5.09	−17 33.6	1.010	1.994	7.1	19.6
4 11	12 55.58	−13 46.1	0.980	1.977	4.0	19.4
4 21	12 46.66	− 9 41.2	0.978	1.960	8.7	19.6
5 1	12 39.83	− 5 44.8	1.002	1.943	14.8	19.9
5 11	12 36.08	− 2 18.5	1.048	1.926	20.3	20.1

378737 2008 RH_{18} 4 6.0 277°.47 1°.2/ 7.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 21.96	−12 33.2	1.899	2.716	14.2	21.1
3 12	13 17.97	−12 5.3	1.810	2.710	10.9	20.8
3 22	13 11.90	−11 20.9	1.744	2.704	7.1	20.6
4 1	13 4.39	−10 23.0	1.704	2.697	3.0	20.3
4 11	12 56.33	− 9 16.8	1.692	2.691	2.1	20.2
4 21	12 48.69	− 8 9.2	1.707	2.685	6.3	20.5
5 1	12 42.37	− 7 7.1	1.749	2.678	10.3	20.7
5 11	12 38.03	− 6 16.4	1.813	2.672	13.9	20.9

501154 2013 TM_{72} 4 6.0 218.°40 0.°6/ 6.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 26.75	− 9 38.3	2.225	3.034	12.6	22.4
3 12	13 21.29	− 9 28.7	2.129	3.026	9.7	22.2
3 22	13 13.86	− 9 8.1	2.057	3.017	6.2	21.9
4 1	13 5.04	− 8 38.7	2.013	3.007	2.3	21.7
4 11	12 55.67	− 8 4.2	1.998	2.997	1.9	21.6
4 21	12 46.64	− 7 29.1	2.012	2.986	5.8	21.9
5 1	12 38.80	− 6 58.2	2.054	2.974	9.5	22.1
5 11	12 32.78	− 6 35.6	2.120	2.962	12.8	22.2

422844 2002 EZ_{145} 4 6.0 320.°11 2.°9/ 3.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 19.88	− 3 14.6	1.688	2.541	14.0	20.5
3 12	13 16.56	− 1 59.9	1.609	2.533	10.4	20.2
3 22	13 11.09	− 0 33.0	1.553	2.525	6.4	20.0
4 1	13 4.12	+ 0 58.7	1.524	2.518	3.1	19.7
4 11	12 56.61	+ 2 26.2	1.522	2.510	4.8	19.8
4 21	12 49.57	+ 3 40.9	1.546	2.503	8.9	20.0
5 1	12 43.94	+ 4 36.5	1.594	2.497	12.9	20.3
5 11	12 40.37	+ 5 9.6	1.663	2.491	16.3	20.5

438666 2008 EF_{125} 4 6.0 342.°22 6.°3/30.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 16.46	+ 5 39.8	1.607	2.479	13.6	19.8
3 12	13 14.12	+ 7 10.2	1.533	2.463	10.3	19.5
3 22	13 9.63	+ 8 44.7	1.482	2.448	7.4	19.3
4 1	13 3.64	+10 13.7	1.456	2.433	6.4	19.2
4 11	12 57.08	+11 27.2	1.456	2.420	8.3	19.3
4 21	12 50.98	+12 17.8	1.479	2.408	11.7	19.5
5 1	12 46.26	+12 41.1	1.525	2.397	15.1	19.7
5 11	12 43.61	+12 36.9	1.588	2.388	18.2	19.8

331045 2009 VZ_{73} 4 6.0 268.°01 1.°0/ 5.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 24.89	− 5 39.6	1.819	2.654	14.0	20.9
3 12	13 20.25	− 5 16.6	1.731	2.645	10.5	20.7
3 22	13 13.38	− 4 43.1	1.667	2.635	6.5	20.4
4 1	13 4.91	− 4 3.0	1.628	2.625	2.2	20.1
4 11	12 55.83	− 3 22.0	1.618	2.614	2.9	20.1
4 21	12 47.16	− 2 45.8	1.634	2.604	7.3	20.4
5 1	12 39.90	− 2 19.7	1.676	2.594	11.5	20.6
5 11	12 34.74	− 2 7.3	1.741	2.584	15.1	20.8

390099 2012 UQ_{168} 4 6.0 150.°70 3.°7/ 1.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 21.27	+ 3 11.0	2.474	3.317	10.4	21.8
3 12	13 16.84	+ 4 16.7	2.405	3.322	7.8	21.7
3 22	13 10.90	+ 5 25.0	2.363	3.327	5.1	21.5
4 1	13 3.99	+ 6 30.4	2.349	3.332	3.7	21.4
4 11	12 56.80	+ 7 27.4	2.364	3.337	4.9	21.5
4 21	12 50.02	+ 8 11.5	2.408	3.341	7.5	21.7
5 1	12 44.26	+ 8 40.0	2.477	3.345	10.2	21.8
5 11	12 39.98	+ 8 51.8	2.569	3.349	12.6	22.0

433798 2015 BA_{99} 4 6.0 279.°58 1.°8/ 4.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 23.03	− 4 5.5	1.841	2.682	13.5	21.3
3 12	13 18.74	− 3 23.8	1.761	2.679	10.1	21.1
3 22	13 12.36	− 2 32.4	1.706	2.675	6.2	20.9
4 1	13 4.56	− 1 36.3	1.676	2.672	2.4	20.6
4 11	12 56.25	− 0 42.0	1.675	2.668	3.5	20.7
4 21	12 48.43	+ 0 4.1	1.701	2.665	7.6	20.9
5 1	12 41.96	+ 0 37.0	1.752	2.662	11.5	21.1
5 11	12 37.51	+ 0 53.6	1.824	2.659	14.8	21.4

60168 1999 UV_{41} 4 6.0 201.°98 2.°0/ 8.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 22.72	−14 48.6	2.024	2.828	13.9	19.5
3 12	13 18.41	−14 29.1	1.937	2.827	10.9	19.3
3 22	13 12.12	−13 53.1	1.873	2.825	7.3	19.1
4 1	13 4.47	−13 2.5	1.835	2.824	3.6	18.8
4 11	12 56.34	−12 1.9	1.825	2.823	2.4	18.7
4 21	12 48.63	−10 57.3	1.843	2.821	5.8	18.9
5 1	12 42.21	− 9 55.5	1.888	2.820	9.5	19.2
5 11	12 37.69	− 9 2.3	1.956	2.818	12.9	19.4

438182 2005 TL_{172} 4 6.0 233.°74 3.°9/11.5 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 21.38	−24 15.5	3.087	3.821	11.1	21.8
3 12	13 16.91	−24 7.5	2.974	3.807	9.2	21.6
3 22	13 10.99	−23 43.6	2.884	3.792	7.1	21.4
4 1	13 4.07	−23 3.9	2.820	3.778	5.0	21.3
4 11	12 56.74	−22 10.4	2.785	3.762	3.9	21.2
4 21	12 49.64	−21 6.3	2.779	3.746	4.8	21.2
5 1	12 43.39	−19 56.5	2.802	3.730	7.0	21.3
5 11	12 38.47	−18 46.2	2.852	3.713	9.3	21.4

6608 Davidecrespi 4 6.0 124.°04 2.°5/ 8.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 25.06	−17 38.3	1.934	2.725	15.0	17.8
3 12	13 20.11	−17 1.0	1.860	2.740	11.7	17.7
3 22	13 13.11	−16 3.4	1.809	2.755	8.0	17.5
4 1	13 4.78	−14 48.3	1.783	2.769	4.2	17.2
4 11	12 56.10	−13 21.5	1.786	2.783	2.7	17.2
4 21	12 48.03	−11 50.7	1.818	2.796	5.9	17.4
5 1	12 41.42	−10 24.0	1.877	2.808	9.6	17.6
5 11	12 36.85	− 9 8.3	1.960	2.820	12.9	17.9

380373 2002 TS_{225} 4 6.0 85.°13 5.°4/31.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 28.71	+10 41.6	2.298	3.132	11.4	20.8
3 12	13 22.24	+11 18.8	2.254	3.159	8.8	20.7
3 22	13 14.12	+11 51.2	2.236	3.186	6.5	20.6
4 1	13 5.06	+12 13.7	2.245	3.212	5.4	20.5
4 11	12 55.88	+12 22.1	2.284	3.238	6.5	20.6
4 21	12 47.39	+12 14.5	2.351	3.263	8.7	20.8
5 1	12 40.25	+11 50.6	2.442	3.288	11.1	21.0
5 11	12 34.89	+11 11.8	2.556	3.313	13.2	21.2

437715 2014 DT_{102} 4 6.0 41.°41 0.°3/ 5.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 21.29	− 7 43.7	2.021	2.852	12.9	20.9
3 12	13 17.20	− 7 13.4	1.949	2.859	9.7	20.7
3 22	13 11.29	− 6 32.1	1.900	2.867	6.0	20.5
4 1	13 4.17	− 5 43.8	1.879	2.875	2.0	20.2
4 11	12 56.70	− 4 53.7	1.885	2.883	2.2	20.2
4 21	12 49.71	− 4 7.4	1.919	2.891	6.2	20.5
5 1	12 43.97	− 3 29.7	1.979	2.900	9.8	20.7
5 11	12 40.02	− 3 4.3	2.062	2.909	12.9	20.9

97431 2000 AR_{204} 4 6.0 90.°33 4.°0/ 1.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 22.88	+ 1 52.0	2.142	2.987	11.8	19.4
3 12	13 18.09	+ 3 21.4	2.094	3.013	8.7	19.3
3 22	13 11.67	+ 4 53.9	2.073	3.038	5.6	19.1
4 1	13 4.26	+ 6 22.5	2.080	3.064	4.0	19.1
4 11	12 56.67	+ 7 40.0	2.116	3.088	5.4	19.2
4 21	12 49.67	+ 8 41.3	2.180	3.113	8.2	19.4
5 1	12 43.92	+ 9 23.3	2.269	3.137	11.0	19.6
5 11	12 39.86	+ 9 45.4	2.380	3.160	13.4	19.9

200114 1995 VN_{15} 4 6.0 135.°52 0.°8/ 6.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 23.21	−11 27.5	2.021	2.836	13.5	21.2
3 12	13 18.71	−11 2.3	1.941	2.840	10.3	21.0
3 22	13 12.26	−10 23.0	1.884	2.844	6.6	20.7
4 1	13 4.52	− 9 32.6	1.854	2.848	2.6	20.5
4 11	12 56.36	− 8 36.3	1.852	2.851	1.9	20.4
4 21	12 48.66	− 7 39.7	1.879	2.855	5.9	20.7
5 1	12 42.25	− 6 49.0	1.932	2.858	9.7	20.9
5 11	12 37.73	− 6 8.8	2.008	2.861	13.0	21.2

148804 2001 UX_{101} 4 6.0 42.°69 1.°9/ 4.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 26.58	− 3 23.5	1.360	2.213	16.7	19.6
3 12	13 21.72	− 3 4.8	1.310	2.232	12.4	19.4
3 22	13 14.27	− 2 37.2	1.282	2.253	7.5	19.1
4 1	13 5.19	− 2 6.1	1.278	2.274	2.7	18.9
4 11	12 55.78	− 1 38.4	1.300	2.295	3.8	19.0
4 21	12 47.30	− 1 20.0	1.347	2.317	8.5	19.4
5 1	12 40.78	− 1 14.9	1.418	2.340	12.8	19.7
5 11	12 36.82	− 1 25.1	1.510	2.363	16.5	19.9

208713 2002 JM_{83} 4 6.0 252.°66 0.°8/ 5.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 26.77	− 6 22.6	1.789	2.620	14.3	21.0
3 12	13 21.82	− 5 56.7	1.694	2.604	10.9	20.7
3 22	13 14.47	− 5 18.9	1.621	2.587	6.8	20.4
4 1	13 5.36	− 4 32.9	1.574	2.570	2.2	20.1
4 11	12 55.48	− 3 44.7	1.555	2.552	2.9	20.1
4 21	12 45.96	− 3 0.5	1.564	2.534	7.6	20.3
5 1	12 37.86	− 2 26.4	1.599	2.516	12.0	20.5
5 11	12 31.98	− 2 6.8	1.655	2.497	15.8	20.7

151830 2003 FN_{109} 4 6.0 11.°58 9.°0/31.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 27.77	+12 45.9	1.247	2.114	17.0	19.3
3 12	13 22.95	+13 22.3	1.196	2.117	13.5	19.1
3 22	13 15.20	+13 49.1	1.166	2.122	10.3	18.9
4 1	13 5.54	+13 56.8	1.159	2.128	9.0	18.9
4 11	12 55.44	+13 38.4	1.175	2.135	10.4	19.0
4 21	12 46.33	+12 51.8	1.214	2.143	13.6	19.2
5 1	12 39.40	+11 39.0	1.273	2.153	17.1	19.4
5 11	12 35.32	+10 4.9	1.351	2.163	20.2	19.6

147284 2003 AR_{22} 4 6.0 62.°59 8.°6/13.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 27.49	−29 4.9	1.661	2.400	19.0	19.5
3 12	13 22.57	−29 54.4	1.594	2.418	16.2	19.3
3 22	13 14.96	−30 16.4	1.545	2.436	13.2	19.1
4 1	13 5.50	−30 7.5	1.518	2.455	10.3	19.0
4 11	12 55.45	−29 28.9	1.515	2.473	8.7	19.0
4 21	12 46.14	−28 26.2	1.537	2.492	9.2	19.0
5 1	12 38.73	−27 8.5	1.583	2.511	11.3	19.2
5 11	12 33.95	−25 46.6	1.651	2.529	14.0	19.4

507728 2013 WZ_{47} 4 6.0 160.°81 1.°2/ 4.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 28.77	− 3 9.6	2.285	3.107	11.9	21.4
3 12	13 22.59	− 3 4.7	2.205	3.112	8.9	21.2
3 22	13 14.56	− 2 54.5	2.151	3.116	5.5	21.0
4 1	13 5.31	− 2 41.8	2.124	3.120	1.9	20.7
4 11	12 55.65	− 2 30.3	2.128	3.123	2.6	20.8
4 21	12 46.46	− 2 23.2	2.161	3.126	6.2	21.0
5 1	12 38.50	− 2 23.5	2.222	3.129	9.6	21.2
5 11	12 32.36	− 2 33.1	2.307	3.131	12.5	21.4

33944 2000 *MA* 4 6.0 324°.11 5°.8/ 9.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 18.31	−19 28.5	1.136	1.967	20.8	17.6
3 12	13 16.78	−19 48.2	1.044	1.943	17.1	17.2
3 22	13 12.04	−19 38.4	0.970	1.919	12.7	16.9
4 1	13 4.72	−18 56.3	0.915	1.897	8.1	16.6
4 11	12 56.09	−17 44.4	0.882	1.875	5.8	16.4
4 21	12 47.81	−16 11.4	0.870	1.855	9.1	16.5
5 1	12 41.54	−14 31.1	0.880	1.836	14.5	16.7
5 11	12 38.49	−12 58.4	0.909	1.818	19.7	16.9

94554 2001 VN_{14} 4 6.0 121°.65 4°.2/ 9.3 18

3 2	13 27.59	−18 17.3	1.553	2.351	17.7	19.1
3 12	13 22.64	−18 25.7	1.478	2.359	14.1	18.9
3 22	13 15.02	−18 11.9	1.423	2.366	10.0	18.7
4 1	13 5.54	−17 36.0	1.392	2.373	6.0	18.5
4 11	12 55.43	−16 42.3	1.387	2.380	4.3	18.4
4 21	12 45.98	−15 37.9	1.408	2.386	7.2	18.6
5 1	12 38.36	−14 31.7	1.455	2.392	11.3	18.8
5 11	12 33.33	−13 32.4	1.523	2.398	15.2	19.1

70918 1999 VY_{195} 4 6.0 53°.59 3°.9/ 8.9 18

3 2	13 26.30	−16 40.2	1.490	2.300	17.7	18.8
3 12	13 21.75	−16 55.9	1.417	2.306	14.1	18.6
3 22	13 14.51	−16 50.8	1.364	2.312	9.9	18.3
4 1	13 5.38	−16 25.2	1.334	2.319	5.6	18.1
4 11	12 55.59	−15 43.1	1.331	2.325	4.0	18.0
4 21	12 46.47	−14 51.2	1.353	2.332	7.3	18.2
5 1	12 39.19	−13 58.0	1.399	2.339	11.5	18.5
5 11	12 34.52	−13 11.6	1.467	2.346	15.4	18.7

130665 2000 SD_{107} 4 6.0 188°.90 0°.0/ 6.1 17

3 2	13 25.64	−10 7.2	1.804	2.626	14.6	20.4
3 12	13 20.79	− 9 27.3	1.722	2.626	11.1	20.2
3 22	13 13.71	− 8 31.7	1.662	2.625	7.0	19.9
4 1	13 5.07	− 7 24.4	1.628	2.623	2.4	19.6
4 11	12 55.90	− 6 11.9	1.623	2.621	2.3	19.6
4 21	12 47.23	− 5 1.8	1.645	2.619	6.9	19.9
5 1	12 40.04	− 4 1.2	1.694	2.616	11.1	20.1
5 11	12 34.99	− 3 15.2	1.766	2.612	14.7	20.3

79229 1994 PE_{20} 4 6.0 217°.58 0°.6/ 6.7 17

3 2	13 25.65	−10 50.3	2.124	2.935	13.1	20.8
3 12	13 20.58	−10 25.1	2.029	2.926	10.1	20.6
3 22	13 13.50	− 9 46.3	1.957	2.917	6.4	20.4
4 1	13 5.00	− 8 56.6	1.913	2.907	2.5	20.1
4 11	12 55.95	− 8 0.7	1.897	2.896	1.9	20.0
4 21	12 47.26	− 7 4.3	1.911	2.885	6.0	20.3
5 1	12 39.79	− 6 13.3	1.952	2.873	9.9	20.5
5 11	12 34.20	− 5 32.6	2.016	2.861	13.3	20.7

95254 2002 CM_{56} 4 6.0 66°.20 5°.0/31.7 18

3 2	13 21.11	+ 2 17.4	1.731	2.589	13.5	19.5
3 12	13 17.28	+ 3 57.4	1.674	2.599	10.0	19.3
3 22	13 11.42	+ 5 42.6	1.641	2.609	6.6	19.2
4 1	13 4.26	+ 7 23.9	1.635	2.618	5.0	19.1
4 11	12 56.75	+ 8 51.7	1.657	2.628	6.8	19.2
4 21	12 49.84	+ 9 59.1	1.704	2.638	10.1	19.4
5 1	12 44.36	+10 42.0	1.775	2.648	13.3	19.6
5 11	12 40.88	+10 59.9	1.866	2.658	16.2	19.9

31804 1999 *MG* 4 6.0 53°.20 8°.8/29.4 18

3 2	13 26.03	+14 28.2	1.635	2.489	14.3	17.9
3 12	13 21.02	+15 43.2	1.590	2.499	11.5	17.7
3 22	13 13.74	+16 49.4	1.568	2.510	9.4	17.6
4 1	13 5.03	+17 37.9	1.571	2.522	8.9	17.6
4 11	12 56.02	+18 1.4	1.598	2.533	10.3	17.7
4 21	12 47.82	+17 57.2	1.650	2.545	12.8	17.9
5 1	12 41.33	+17 25.7	1.723	2.557	15.5	18.1
5 11	12 37.11	+16 30.5	1.814	2.569	17.9	18.3

436363 2010 KT_{37} 4 6.0 280°.30 0°.7/ 6.8 17

3 2	13 21.46	−11 2.1	2.162	2.978	12.7	21.6
3 12	13 17.38	−10 37.9	2.071	2.971	9.7	21.4
3 22	13 11.47	−10 0.6	2.003	2.964	6.2	21.2
4 1	13 4.30	− 9 12.8	1.963	2.957	2.4	20.9
4 11	12 56.66	− 8 19.1	1.950	2.949	1.8	20.8
4 21	12 49.37	− 7 25.0	1.966	2.942	5.7	21.1
5 1	12 43.22	− 6 36.1	2.009	2.935	9.4	21.3
5 11	12 38.80	− 5 56.9	2.075	2.928	12.6	21.5

435339 2007 VE_{105} 4 6.0 287°.83 3°.1/ 9.4 17

3 2	13 21.17	−18 28.3	2.186	2.972	13.6	21.4
3 12	13 17.19	−18 14.1	2.095	2.969	10.9	21.3
3 22	13 11.36	−17 42.2	2.027	2.967	7.7	21.0
4 1	13 4.27	−16 53.5	1.984	2.965	4.5	20.8
4 11	12 56.72	−15 52.0	1.969	2.962	3.1	20.7
4 21	12 49.55	−14 43.1	1.982	2.960	5.5	20.9
5 1	12 43.56	−13 33.3	2.023	2.958	8.8	21.1
5 11	12 39.34	−12 29.2	2.088	2.956	11.9	21.3

141670 2002 JS_{100} 4 6.0 261°.17 4°.8/31.4 18 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 26.73	+ 4 28.6	2.269	3.106	11.5	21.7
3 12	13 21.43	+ 5 55.3	2.161	3.073	8.8	21.5
3 22	13 14.11	+ 7 28.2	2.079	3.039	6.1	21.3
4 1	13 5.26	+ 9 0.1	2.026	3.003	4.8	21.1
4 11	12 55.68	+10 23.2	2.003	2.966	6.5	21.2
4 21	12 46.26	+11 30.6	2.008	2.928	9.6	21.3
5 1	12 37.89	+12 17.4	2.040	2.888	12.8	21.4
5 11	12 31.29	+12 41.7	2.092	2.848	15.8	21.5

422756 2001 SP_{322} 4 6.0 173°.62 4°.0/ 9.8 17

3 2	13 28.94	−19 26.4	2.269	3.033	13.8	22.3
3 12	13 22.98	−19 49.9	2.178	3.036	11.2	22.1
3 22	13 14.96	−19 57.6	2.110	3.039	8.2	21.9
4 1	13 5.50	−19 48.9	2.069	3.041	5.3	21.7
4 11	12 55.50	−19 25.5	2.056	3.042	4.1	21.7
4 21	12 45.89	−18 51.2	2.072	3.043	5.9	21.8
5 1	12 37.57	−18 11.4	2.116	3.043	8.9	21.9
5 11	12 31.18	−17 31.8	2.184	3.042	11.9	22.1

507884 2014 OJ_{244} 4 6.0 151°.53 0°.7/ 5.5 17

3 2	13 28.55	− 6 51.2	1.704	2.533	15.0	22.3
3 12	13 22.99	− 6 25.0	1.631	2.540	11.3	22.1
3 22	13 15.07	− 5 46.8	1.580	2.546	7.0	21.8
4 1	13 5.54	− 5 0.9	1.556	2.552	2.3	21.6
4 11	12 55.51	− 4 13.5	1.560	2.558	2.8	21.6
4 21	12 46.12	− 3 30.9	1.592	2.563	7.4	21.9
5 1	12 38.36	− 2 58.8	1.649	2.567	11.6	22.1
5 11	12 32.92	− 2 40.8	1.729	2.571	15.2	22.4

131833 2002 AJ_{110} 4 6.0 73°.06 2°.5/ 4.2 18

3 2	13 26.11	− 3 19.8	1.415	2.267	16.3	19.6
3 12	13 21.53	− 2 37.6	1.350	2.272	12.1	19.4
3 22	13 14.31	− 1 44.8	1.306	2.277	7.4	19.1
4 1	13 5.30	− 0 47.8	1.287	2.283	3.0	18.8
4 11	12 55.76	+ 0 5.0	1.295	2.288	4.4	18.9
4 21	12 46.95	+ 0 46.1	1.328	2.293	9.1	19.2
5 1	12 39.99	+ 1 10.0	1.384	2.299	13.6	19.5
5 11	12 35.59	+ 1 14.2	1.461	2.305	17.4	19.8

20812 Shannonbabb 4 6.0 25°.03 4°.1/ 2.3 18

3 2	13 22.01	+ 0 43.1	1.590	2.448	14.4	18.4
3 12	13 18.17	+ 1 47.7	1.527	2.452	10.7	18.1
3 22	13 12.09	+ 2 58.7	1.487	2.457	6.8	17.9
4 1	13 4.53	+ 4 8.3	1.472	2.462	4.2	17.8
4 11	12 56.53	+ 5 8.0	1.484	2.467	5.8	17.9
4 21	12 49.15	+ 5 51.2	1.522	2.473	9.6	18.1
5 1	12 43.34	+ 6 13.6	1.583	2.479	13.4	18.3
5 11	12 39.70	+ 6 14.3	1.664	2.486	16.6	18.6

246286 2007 TS_{67} 4 6.0 303°.78 1°.3/ 4.5 18

3 2	13 19.75	− 6 41.7	2.005	2.842	12.8	20.0
3 12	13 16.18	− 5 38.7	1.921	2.836	9.5	19.8
3 22	13 10.76	− 4 22.9	1.861	2.830	5.8	19.6
4 1	13 4.07	− 2 59.7	1.828	2.824	2.0	19.3
4 11	12 56.94	− 1 36.1	1.824	2.818	3.1	19.4
4 21	12 50.21	− 0 19.4	1.847	2.813	7.0	19.6
5 1	12 44.67	+ 0 44.4	1.897	2.807	10.7	19.8
5 11	12 40.90	+ 1 30.9	1.968	2.802	14.0	20.0

336191 2008 RE_{136} 4 6.0 227°.39 2°.1/ 8.3 18

3 2	13 23.41	−15 34.2	2.285	3.077	12.9	21.5
3 12	13 18.82	−15 15.9	2.186	3.068	10.1	21.3
3 22	13 12.38	−14 42.0	2.110	3.058	6.9	21.1
4 1	13 4.63	−13 54.0	2.061	3.048	3.6	20.8
4 11	12 56.38	−12 55.7	2.041	3.038	2.4	20.7
4 21	12 48.45	−11 52.3	2.049	3.027	5.4	20.9
5 1	12 41.64	−10 49.9	2.086	3.015	8.9	21.1
5 11	12 36.56	− 9 54.2	2.147	3.003	12.1	21.3

378757 2008 RT_{113} 4 6.0 172°.59 0°.6/ 6.6 17

3 2	13 23.28	−10 49.6	2.217	3.029	12.6	22.1
3 12	13 18.63	−10 20.4	2.133	3.031	9.6	21.9
3 22	13 12.19	− 9 38.4	2.073	3.033	6.1	21.7
4 1	13 4.55	− 8 46.7	2.040	3.034	2.3	21.4
4 11	12 56.50	− 7 50.0	2.036	3.035	1.8	21.4
4 21	12 48.87	− 6 53.8	2.062	3.036	5.6	21.6
5 1	12 42.40	− 6 3.3	2.114	3.036	9.2	21.9
5 11	12 37.67	− 5 23.1	2.190	3.036	12.3	22.0

351472 2005 PW_{11} 4 6.0 187°.70 4°.0/11.2 16

3 2	13 24.33	−23 16.2	3.176	3.908	10.9	22.0
3 12	13 19.05	−23 33.9	3.076	3.907	9.0	21.8
3 22	13 12.32	−23 38.1	2.999	3.906	6.9	21.7
4 1	13 4.58	−23 28.4	2.949	3.904	5.0	21.5
4 11	12 56.46	−23 5.9	2.928	3.902	4.0	21.5
4 21	12 48.58	−22 33.3	2.936	3.899	4.9	21.5
5 1	12 41.57	−21 54.1	2.974	3.896	6.8	21.6
5 11	12 35.90	−21 13.0	3.037	3.892	9.0	21.8

456698 2007 RT_{223} 4 6.0 109°.17 0°.4/ 5.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 29.31	− 6 19.5	1.581	2.414	15.8	21.7
3 12	13 23.73	− 6 13.4	1.511	2.422	11.9	21.4
3 22	13 15.60	− 5 56.4	1.463	2.429	7.4	21.2
4 1	13 5.74	− 5 32.1	1.441	2.437	2.4	20.9
4 11	12 55.35	− 5 5.9	1.446	2.444	2.7	20.9
4 21	12 45.64	− 4 43.3	1.478	2.451	7.6	21.2
5 1	12 37.71	− 4 29.3	1.535	2.458	12.0	21.5
5 11	12 32.27	− 4 27.5	1.614	2.464	15.7	21.8

38264 1999 RC_{22} 4 6.0 69°.74 2°.9/ 2.9 18 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 21.62	− 2 27.6	1.799	2.647	13.5	17.7
3 12	13 17.58	− 1 12.1	1.739	2.660	9.9	17.5
3 22	13 11.58	+ 0 12.2	1.702	2.673	6.1	17.3
4 1	13 4.33	+ 1 38.0	1.693	2.685	3.1	17.1
4 11	12 56.75	+ 2 57.1	1.711	2.698	4.6	17.2
4 21	12 49.77	+ 4 2.6	1.757	2.711	8.3	17.5
5 1	12 44.19	+ 4 49.6	1.827	2.724	11.8	17.7
5 11	12 40.55	+ 5 16.2	1.919	2.737	14.9	17.9

343111 2009 DZ_{125} 4 6.0 74°.40 0°.3/ 5.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 22.67	− 7 42.7	2.168	2.993	12.4	21.3
3 12	13 18.08	− 7 14.5	2.102	3.009	9.3	21.1
3 22	13 11.77	− 6 36.5	2.059	3.024	5.7	20.9
4 1	13 4.38	− 5 52.1	2.044	3.040	1.9	20.7
4 11	12 56.71	− 5 6.3	2.058	3.056	2.1	20.7
4 21	12 49.55	− 4 24.0	2.101	3.072	5.8	21.0
5 1	12 43.60	− 3 49.5	2.170	3.088	9.2	21.2
5 11	12 39.35	− 3 26.1	2.262	3.104	12.1	21.5

86264 1999 TK_{249} 4 6.0 297°.42 3°.8/ 9.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 23.25	−18 40.3	2.250	3.029	13.5	19.1
3 12	13 18.90	−18 59.6	2.141	3.010	10.9	18.9
3 22	13 12.57	−19 3.7	2.055	2.990	8.0	18.7
4 1	13 4.76	−18 51.9	1.995	2.970	5.1	18.5
4 11	12 56.28	−18 26.1	1.962	2.951	3.9	18.4
4 21	12 48.01	−17 49.7	1.957	2.931	5.9	18.5
5 1	12 40.84	−17 8.0	1.978	2.912	9.1	18.6
5 11	12 35.47	−16 26.9	2.024	2.892	12.2	18.8

324089 2005 WC_{122} 4 6.0 207°.87 2°.7/ 3.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 24.98	− 0 22.8	2.323	3.157	11.4	21.2
3 12	13 19.84	+ 0 25.2	2.237	3.151	8.5	21.0
3 22	13 12.93	+ 1 18.7	2.177	3.144	5.3	20.8
4 1	13 4.82	+ 2 13.0	2.145	3.136	2.8	20.6
4 11	12 56.28	+ 3 2.6	2.143	3.128	4.0	20.7
4 21	12 48.11	+ 3 42.5	2.169	3.120	7.2	20.9
5 1	12 41.05	+ 4 9.2	2.222	3.110	10.4	21.1
5 11	12 35.67	+ 4 20.7	2.298	3.100	13.2	21.2

382921 2004 RE_{254} 4 6.0 201°.52 4°.9/31.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 25.83	+ 7 45.8	2.357	3.196	11.0	21.5
3 12	13 20.41	+ 8 40.4	2.282	3.192	8.4	21.3
3 22	13 13.24	+ 9 34.2	2.232	3.188	6.0	21.1
4 1	13 4.92	+10 21.6	2.210	3.182	4.9	21.1
4 11	12 56.21	+10 57.0	2.217	3.177	6.2	21.1
4 21	12 47.92	+11 16.7	2.251	3.170	8.7	21.3
5 1	12 40.77	+11 18.6	2.311	3.163	11.4	21.4
5 11	12 35.32	+11 2.9	2.393	3.156	13.8	21.6

317973 2003 YT_{88} 4 6.0 119°.09 1°.6/ 4.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 27.42	− 4 27.5	1.856	2.688	13.8	21.7
3 12	13 21.86	− 3 48.7	1.792	2.704	10.3	21.5
3 22	13 14.22	− 3 0.8	1.752	2.720	6.2	21.3
4 1	13 5.25	− 2 9.0	1.740	2.735	2.3	21.0
4 11	12 55.95	− 1 19.4	1.755	2.750	3.3	21.1
4 21	12 47.30	− 0 37.7	1.799	2.764	7.3	21.4
5 1	12 40.16	− 0 8.6	1.869	2.777	11.0	21.7
5 11	12 35.11	+ 0 5.6	1.961	2.790	14.2	21.9

86933 2000 HB_{66} 4 6.0 264°.76 2°.3/ 4.1 18 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 25.12	− 2 34.7	1.830	2.670	13.6	19.5
3 12	13 20.49	− 1 58.1	1.740	2.657	10.2	19.3
3 22	13 13.61	− 1 12.9	1.674	2.643	6.3	19.0
4 1	13 5.13	− 0 24.0	1.634	2.628	2.7	18.7
4 11	12 55.99	+ 0 22.2	1.622	2.614	4.0	18.8
4 21	12 47.25	+ 0 59.5	1.637	2.599	8.1	19.0
5 1	12 39.87	+ 1 23.0	1.678	2.584	12.1	19.2
5 11	12 34.60	+ 1 29.9	1.740	2.569	15.7	19.4

141814 2002 NP_{44} 4 6.0 267°.52 0°.7/ 5.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 26.19	− 7 0.3	1.768	2.598	14.5	21.1
3 12	13 21.51	− 6 33.7	1.667	2.577	11.0	20.9
3 22	13 14.39	− 5 54.1	1.589	2.555	6.9	20.6
4 1	13 5.44	− 5 5.2	1.537	2.533	2.3	20.2
4 11	12 55.65	− 4 12.8	1.512	2.510	2.8	20.2
4 21	12 46.14	− 3 23.6	1.515	2.487	7.6	20.4
5 1	12 38.03	− 2 44.2	1.544	2.463	12.2	20.6
5 11	12 32.16	− 2 19.4	1.594	2.439	16.2	20.8

238339 2004 BK_{70} 4 6.0 346°.31 5°.3/31.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 21.51	+ 6 27.8	2.055	2.907	11.9	20.1
3 12	13 17.39	+ 7 40.2	1.988	2.907	9.0	19.9
3 22	13 11.46	+ 8 53.4	1.946	2.906	6.4	19.8
4 1	13 4.33	+10 0.3	1.930	2.906	5.3	19.7
4 11	12 56.83	+10 54.0	1.943	2.905	6.8	19.8
4 21	12 49.80	+11 29.7	1.982	2.905	9.5	19.9
5 1	12 43.98	+11 44.9	2.044	2.904	12.4	20.1
5 11	12 39.93	+11 39.3	2.128	2.904	14.9	20.3

406503 2007 VL_{115} 4 6.1 125°.32 1°.4/ 4.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 26.58	− 5 41.6	1.807	2.639	14.2	23.0
3 12	13 21.31	− 4 53.4	1.741	2.653	10.5	22.8
3 22	13 13.93	− 3 54.4	1.699	2.666	6.4	22.6
4 1	13 5.17	− 2 49.8	1.683	2.679	2.2	22.3
4 11	12 56.06	− 1 46.7	1.697	2.692	3.2	22.4
4 21	12 47.59	− 0 51.6	1.738	2.704	7.4	22.7
5 1	12 40.64	− 0 9.9	1.805	2.715	11.2	22.9
5 11	12 35.80	+ 0 15.5	1.894	2.726	14.5	23.2

392358 2010 GW_{94} 4 6.1 265°.80 2°.4/ 8.3 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 25.64	−14 23.5	2.477	3.265	12.1	21.3
3 12	13 20.44	−14 42.0	2.372	3.251	9.6	21.1
3 22	13 13.41	−14 49.2	2.290	3.236	6.6	20.8
4 1	13 5.05	−14 45.3	2.236	3.221	3.6	20.6
4 11	12 56.11	−14 32.3	2.212	3.206	2.6	20.5
4 21	12 47.39	−14 13.2	2.216	3.191	5.2	20.7
5 1	12 39.70	−13 52.0	2.248	3.176	8.4	20.9
5 11	12 33.66	−13 32.9	2.305	3.160	11.4	21.0

402874 2007 RB_{223} 4 6.1 125°.18 0°.4/ 5.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 27.10	− 8 34.6	1.843	2.665	14.3	21.9
3 12	13 21.67	− 7 53.0	1.776	2.681	10.8	21.7
3 22	13 14.14	− 6 58.3	1.732	2.697	6.6	21.4
4 1	13 5.25	− 5 55.2	1.716	2.712	2.2	21.2
4 11	12 56.01	− 4 50.1	1.728	2.726	2.4	21.2
4 21	12 47.42	− 3 49.8	1.769	2.740	6.8	21.5
5 1	12 40.35	− 3 0.1	1.836	2.753	10.7	21.8
5 11	12 35.39	− 2 25.0	1.926	2.765	14.0	22.0

182407 2001 RD_{48} 4 6.1 166°.90 0°.7/ 5.3 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 23.60	− 8 5.5	2.158	2.979	12.5	21.2
3 12	13 18.89	− 7 10.9	2.078	2.984	9.4	21.0
3 22	13 12.37	− 6 4.2	2.022	2.988	5.8	20.8
4 1	13 4.66	− 4 49.9	1.995	2.991	1.9	20.5
4 11	12 56.56	− 3 34.0	1.997	2.994	2.4	20.6
4 21	12 48.92	− 2 23.1	2.028	2.996	6.3	20.8
5 1	12 42.48	− 1 22.8	2.086	2.997	9.9	21.0
5 11	12 37.81	− 0 37.0	2.168	2.999	12.9	21.2

61334 2000 OS_{59} 4 6.1 194°.92 0°.5/ 5.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 26.27	− 8 22.8	1.879	2.703	14.1	20.0
3 12	13 21.22	− 7 39.3	1.794	2.701	10.6	19.8
3 22	13 13.99	− 6 42.0	1.733	2.698	6.6	19.5
4 1	13 5.25	− 5 35.1	1.699	2.695	2.2	19.3
4 11	12 55.97	− 4 25.1	1.693	2.690	2.5	19.3
4 21	12 47.16	− 3 19.2	1.715	2.686	7.0	19.5
5 1	12 39.77	− 2 23.9	1.764	2.680	11.1	19.8
5 11	12 34.47	− 1 43.6	1.836	2.674	14.6	20.0

407278 2010 FM_{93} 4 6.1 289°.07 0°.1/ 5.9 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 24.15	− 9 3.5	1.369	2.213	17.2	21.7
3 12	13 20.57	− 8 32.1	1.278	2.194	13.2	21.4
3 22	13 14.10	− 7 41.7	1.207	2.175	8.3	21.1
4 1	13 5.42	− 6 36.1	1.160	2.156	2.8	20.7
4 11	12 55.73	− 5 23.3	1.138	2.137	3.0	20.6
4 21	12 46.44	− 4 12.6	1.142	2.118	8.8	20.9
5 1	12 38.90	− 3 13.9	1.168	2.099	14.1	21.2
5 11	12 34.10	− 2 34.2	1.215	2.081	18.8	21.4

88875 Posky 4 6.1 219°.49 0°.3/ 6.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 25.48	− 9 20.8	2.025	2.843	13.4	20.8
3 12	13 20.54	− 9 1.1	1.935	2.837	10.2	20.6
3 22	13 13.55	− 8 29.1	1.868	2.831	6.5	20.3
4 1	13 5.11	− 7 47.7	1.829	2.824	2.3	20.0
4 11	12 56.11	− 7 1.4	1.817	2.816	2.0	20.0
4 21	12 47.51	− 6 15.8	1.835	2.808	6.3	20.2
5 1	12 40.19	− 5 36.5	1.878	2.800	10.2	20.5
5 11	12 34.81	− 5 7.8	1.946	2.792	13.6	20.7

506535 2004 TJ_{241} 4 6.1 245°.56 1°.5/ 7.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 26.02	−12 58.1	2.459	3.253	12.0	22.2
3 12	13 20.76	−12 48.2	2.347	3.233	9.4	22.0
3 22	13 13.63	−12 25.7	2.259	3.211	6.3	21.8
4 1	13 5.15	−11 52.0	2.199	3.189	2.9	21.5
4 11	12 56.04	−11 10.1	2.168	3.166	2.0	21.4
4 21	12 47.15	−10 24.3	2.167	3.142	5.3	21.6
5 1	12 39.26	− 9 39.7	2.194	3.118	8.8	21.8
5 11	12 33.04	− 9 1.1	2.246	3.092	12.0	21.9

173963 2001 XR_{60} 4 6.1 142°.56 3°.8/ 1.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 23.01	+ 5 28.4	2.611	3.450	10.1	20.9
3 12	13 18.09	+ 6 15.0	2.544	3.458	7.6	20.8
3 22	13 11.71	+ 7 1.9	2.504	3.465	5.1	20.6
4 1	13 4.41	+ 7 44.3	2.492	3.471	3.8	20.5
4 11	12 56.84	+ 8 17.7	2.509	3.478	5.0	20.6
4 21	12 49.69	+ 8 38.8	2.554	3.484	7.3	20.8
5 1	12 43.54	+ 8 45.7	2.625	3.490	9.8	20.9
5 11	12 38.86	+ 8 38.0	2.719	3.495	12.0	21.1

133104 2003 OP_{8} 4 6.1 251°.69 1°.0/ 5.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 24.22	− 5 34.5	1.983	2.815	13.1	20.0
3 12	13 19.60	− 5 8.2	1.897	2.809	9.8	19.8
3 22	13 12.95	− 4 32.2	1.835	2.802	6.1	19.5
4 1	13 4.90	− 3 50.4	1.800	2.796	2.0	19.2
4 11	12 56.32	− 3 8.1	1.792	2.789	2.7	19.3
4 21	12 48.16	− 2 30.5	1.813	2.782	6.8	19.5
5 1	12 41.27	− 2 2.6	1.860	2.775	10.7	19.7
5 11	12 36.30	− 1 47.7	1.929	2.768	14.0	19.9

175599 2006 UT_{106} 4 6.1 351°.89 4°.2/ 1.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 23.62	+ 4 51.6	2.121	2.967	11.8	19.7
3 12	13 18.92	+ 5 28.1	2.048	2.966	8.9	19.5
3 22	13 12.40	+ 6 5.4	2.001	2.965	5.9	19.3
4 1	13 4.68	+ 6 38.1	1.980	2.964	4.2	19.2
4 11	12 56.58	+ 7 1.0	1.988	2.963	5.4	19.3
4 21	12 48.93	+ 7 10.3	2.022	2.962	8.3	19.5
5 1	12 42.51	+ 7 3.9	2.082	2.962	11.3	19.6
5 11	12 37.86	+ 6 41.6	2.163	2.962	14.0	19.8

380907 2006 DC_{188} 4 6.1 341°.15 0°.5/ 6.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 26.56	− 8 0.2	1.797	2.624	14.5	20.3
3 12	13 21.57	− 8 9.2	1.715	2.621	11.0	20.1
3 22	13 14.28	− 8 7.9	1.655	2.618	7.0	19.8
4 1	13 5.38	− 7 58.4	1.621	2.616	2.6	19.5
4 11	12 55.88	− 7 44.4	1.615	2.614	2.2	19.5
4 21	12 46.85	− 7 30.4	1.636	2.612	6.7	19.8
5 1	12 39.29	− 7 20.9	1.683	2.610	10.8	20.0
5 11	12 33.91	− 7 19.8	1.752	2.609	14.4	20.2

413928 2006 XV_{2} 4 6.1 23°.14 5°.3/11.1 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 20.81	−22 59.3	1.498	2.289	18.5	20.7
3 12	13 17.71	−22 46.4	1.422	2.293	15.2	20.5
3 22	13 12.06	−22 4.4	1.365	2.298	11.3	20.3
4 1	13 4.65	−20 53.6	1.330	2.303	7.4	20.1
4 11	12 56.66	−19 19.3	1.320	2.309	5.3	20.0
4 21	12 49.30	−17 31.1	1.336	2.315	7.3	20.1
5 1	12 43.69	−15 40.7	1.376	2.322	11.2	20.3
5 11	12 40.54	−13 59.1	1.439	2.329	15.0	20.6

110550 2001 TY_{102} 4 6.1 83°.95 7°.0/13.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 23.89	−28 1.2	1.823	2.567	17.4	19.1
3 12	13 19.73	−28 12.2	1.741	2.573	14.8	18.9
3 22	13 13.20	−27 56.2	1.678	2.579	11.7	18.7
4 1	13 5.02	−27 11.8	1.637	2.585	8.8	18.5
4 11	12 56.29	−26 1.3	1.622	2.592	7.0	18.4
4 21	12 48.13	−24 31.2	1.632	2.598	7.8	18.5
5 1	12 41.56	−22 50.7	1.669	2.604	10.3	18.6
5 11	12 37.28	−21 10.3	1.729	2.611	13.3	18.8

199106 2005 YP_{46} 4 6.1 177°.22 3°.7/ 2.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 26.76	− 0 45.3	1.606	2.454	14.8	20.9
3 12	13 21.82	+ 0 20.2	1.536	2.456	11.1	20.7
3 22	13 14.46	+ 1 34.4	1.488	2.457	6.9	20.4
4 1	13 5.45	+ 2 49.5	1.467	2.458	3.8	20.2
4 11	12 55.90	+ 3 56.9	1.473	2.458	5.5	20.3
4 21	12 46.97	+ 4 49.0	1.505	2.458	9.5	20.6
5 1	12 39.70	+ 5 20.8	1.562	2.457	13.5	20.8
5 11	12 34.77	+ 5 30.6	1.639	2.456	17.0	21.0

341150 2007 PA_{29} 4 6.1 207°.34 2°.5/ 3.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 26.60	+ 0 57.8	2.464	3.294	10.9	20.7
3 12	13 20.96	+ 1 19.6	2.379	3.289	8.2	20.5
3 22	13 13.61	+ 1 44.3	2.319	3.284	5.1	20.3
4 1	13 5.11	+ 2 8.1	2.288	3.279	2.7	20.2
4 11	12 56.22	+ 2 27.1	2.286	3.273	3.7	20.2
4 21	12 47.68	+ 2 37.7	2.314	3.267	6.7	20.4
5 1	12 40.24	+ 2 37.6	2.370	3.260	9.7	20.6
5 11	12 34.42	+ 2 25.5	2.448	3.253	12.4	20.7

179876 2002 TS_{333} 4 6.1 54°.64 2°.1/ 4.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 23.14	− 5 4.7	1.475	2.325	15.8	21.5
3 12	13 19.17	− 4 5.1	1.414	2.336	11.7	21.3
3 22	13 12.81	− 2 52.7	1.375	2.346	7.1	21.1
4 1	13 4.87	− 1 34.7	1.361	2.357	2.7	20.8
4 11	12 56.50	− 0 20.1	1.374	2.368	4.1	20.9
4 21	12 48.84	+ 0 42.6	1.413	2.379	8.6	21.2
5 1	12 42.90	+ 1 27.4	1.476	2.391	12.9	21.5
5 11	12 39.29	+ 1 51.2	1.559	2.402	16.5	21.8

287132 2002 RZ_{192} 4 6.1 267°.36 0°.3/ 6.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 26.23	− 8 58.7	1.683	2.511	15.2	21.4
3 12	13 21.59	− 8 47.5	1.591	2.499	11.7	21.1
3 22	13 14.46	− 8 22.6	1.522	2.486	7.4	20.8
4 1	13 5.51	− 7 46.8	1.479	2.474	2.7	20.5
4 11	12 55.79	− 7 5.1	1.462	2.461	2.4	20.4
4 21	12 46.47	− 6 23.9	1.473	2.449	7.3	20.7
5 1	12 38.68	− 5 49.6	1.509	2.436	11.8	20.9
5 11	12 33.21	− 5 27.4	1.566	2.423	15.8	21.2

505016 2011 QJ_{2} 4 6.1 156°.45 5°.1/11.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 26.19	−24 43.0	2.687	3.417	12.7	22.1
3 12	13 20.75	−25 17.1	2.595	3.421	10.6	21.9
3 22	13 13.54	−25 35.3	2.525	3.425	8.3	21.8
4 1	13 5.11	−25 36.5	2.481	3.429	6.2	21.6
4 11	12 56.21	−25 21.4	2.465	3.432	5.1	21.6
4 21	12 47.62	−24 52.8	2.477	3.435	5.9	21.6
5 1	12 40.09	−24 15.0	2.517	3.438	8.0	21.7
5 11	12 34.22	−23 33.6	2.582	3.441	10.2	21.9

122264 2000 OO_{52} 4 6.1 151°.94 1°.7/ 4.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 25.21	− 5 56.3	1.723	2.560	14.5	19.1
3 12	13 20.49	− 4 52.8	1.651	2.566	10.8	18.9
3 22	13 13.55	− 3 36.3	1.603	2.572	6.6	18.7
4 1	13 5.13	− 2 13.1	1.581	2.577	2.4	18.4
4 11	12 56.25	− 0 51.4	1.588	2.582	3.6	18.5
4 21	12 47.97	+ 0 20.7	1.622	2.586	7.9	18.8
5 1	12 41.22	+ 1 17.0	1.681	2.590	12.0	19.0
5 11	12 36.63	+ 1 53.8	1.762	2.593	15.4	19.2

498466 2008 CZ_{30} 4 6.1 31°.94 0°.7/ 5.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 24.73	− 6 43.0	1.347	2.197	17.0	21.7
3 12	13 20.64	− 6 22.7	1.285	2.205	12.8	21.4
3 22	13 13.86	− 5 48.8	1.243	2.213	7.9	21.2
4 1	13 5.26	− 5 6.2	1.225	2.222	2.6	20.9
4 11	12 56.13	− 4 22.2	1.233	2.231	3.1	20.9
4 21	12 47.77	− 3 44.1	1.266	2.241	8.3	21.2
5 1	12 41.30	− 3 18.3	1.322	2.252	12.9	21.5
5 11	12 37.43	− 3 8.7	1.399	2.263	16.9	21.8

376409 2012 FE_{69} 4 6.1 327°.15 3°.7/ 3.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 21.90	− 0 45.4	1.410	2.273	15.6	20.4
3 12	13 18.62	+ 0 4.2	1.331	2.259	11.7	20.1
3 22	13 12.72	+ 1 3.4	1.274	2.246	7.4	19.8
4 1	13 4.93	+ 2 4.9	1.241	2.234	3.9	19.6
4 11	12 56.39	+ 2 59.4	1.233	2.222	5.6	19.6
4 21	12 48.36	+ 3 39.1	1.249	2.210	10.2	19.9
5 1	12 42.00	+ 3 58.2	1.288	2.200	14.7	20.1
5 11	12 38.14	+ 3 54.3	1.346	2.190	18.6	20.3

119993 2002 XT_{105} 4 6.1 47°.87 1°.3/ 5.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 28.10	− 5 17.2	1.249	2.101	18.0	19.4
3 12	13 23.42	− 5 0.5	1.184	2.105	13.5	19.2
3 22	13 15.73	− 4 31.0	1.140	2.110	8.4	18.9
4 1	13 5.94	− 3 54.1	1.119	2.116	2.8	18.6
4 11	12 55.48	− 3 17.3	1.124	2.121	3.6	18.6
4 21	12 45.85	− 2 47.9	1.153	2.127	9.1	19.0
5 1	12 38.34	− 2 32.1	1.205	2.133	14.1	19.3
5 11	12 33.75	− 2 33.5	1.277	2.139	18.3	19.5

380074 2013 SN_{31} 4 6.1 193°.07 4°.8/31.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 26.28	+ 8 13.6	2.551	3.385	10.4	22.1
3 12	13 20.64	+ 9 8.1	2.475	3.383	8.0	22.0
3 22	13 13.38	+10 1.6	2.426	3.380	5.8	21.8
4 1	13 5.05	+10 48.6	2.406	3.376	4.8	21.8
4 11	12 56.36	+11 24.1	2.415	3.372	6.0	21.8
4 21	12 48.07	+11 44.6	2.452	3.366	8.3	22.0
5 1	12 40.86	+11 48.3	2.515	3.360	10.8	22.1
5 11	12 35.22	+11 35.2	2.600	3.354	13.1	22.3

388792 2008 AT_{97} 4 6.1 271°.85 5°.0/31.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 21.54	+ 7 19.9	2.323	3.171	10.9	21.4
3 12	13 17.31	+ 8 22.6	2.247	3.163	8.3	21.2
3 22	13 11.41	+ 9 25.4	2.197	3.155	6.0	21.1
4 1	13 4.40	+10 22.3	2.173	3.146	5.0	21.0
4 11	12 57.00	+11 7.5	2.178	3.138	6.3	21.1
4 21	12 49.97	+11 36.7	2.210	3.129	8.8	21.2
5 1	12 44.00	+11 47.4	2.266	3.121	11.5	21.4
5 11	12 39.63	+11 39.5	2.343	3.113	13.9	21.5

230880 2004 RB_{255} 4 6.1 138°.80 5°.8/30.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 23.70	+ 8 36.7	2.185	3.031	11.5	20.8
3 12	13 18.88	+10 0.5	2.128	3.041	8.8	20.7
3 22	13 12.34	+11 23.0	2.096	3.050	6.6	20.5
4 1	13 4.69	+12 36.8	2.093	3.059	5.8	20.5
4 11	12 56.76	+13 35.3	2.117	3.067	7.2	20.6
4 21	12 49.33	+14 14.3	2.168	3.075	9.6	20.8
5 1	12 43.13	+14 31.8	2.244	3.082	12.2	20.9
5 11	12 38.65	+14 28.3	2.339	3.089	14.5	21.1

326717 2003 EA_{17} 4 6.1 53°.35 3°.7/ 2.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 24.80	− 6 53.3	1.365	2.214	16.9	19.5
3 12	13 20.12	− 4 2.2	1.334	2.256	12.2	19.3
3 22	13 13.15	− 0 57.5	1.327	2.299	7.2	19.2
4 1	13 4.92	+ 2 5.5	1.349	2.342	3.7	19.0
4 11	12 56.66	+ 4 51.0	1.400	2.384	5.9	19.3
4 21	12 49.46	+ 7 7.3	1.479	2.427	10.1	19.6
5 1	12 44.14	+ 8 48.8	1.582	2.468	13.9	20.0
5 11	12 41.15	+ 9 55.4	1.705	2.510	17.0	20.3

10653 Witsen 4 6.1 84°.65 0°.3/ 5.7 18

3 2	13 19.14	− 7 33.2	2.817	3.637	10.0	18.1
3 12	13 15.23	− 7 1.2	2.733	3.638	7.5	17.9
3 22	13 10.00	− 6 21.1	2.674	3.639	4.6	17.7
4 1	13 3.90	− 5 35.7	2.644	3.640	1.5	17.5
4 11	12 57.51	− 4 48.9	2.644	3.641	1.7	17.5
4 21	12 51.42	− 4 4.6	2.672	3.642	4.8	17.8
5 1	12 46.19	− 3 26.5	2.729	3.644	7.7	17.9
5 11	12 42.24	− 2 57.4	2.810	3.645	10.2	18.1

231349 2006 FV_{15} 4 6.1 90°.43 0°.3/ 5.7 18

3 2	13 22.71	− 8 24.0	1.939	2.767	13.5	20.5
3 12	13 18.43	− 7 45.8	1.864	2.773	10.1	20.3
3 22	13 12.21	− 6 55.2	1.813	2.779	6.3	20.1
4 1	13 4.69	− 5 56.2	1.788	2.784	2.1	19.8
4 11	12 56.76	− 4 54.9	1.792	2.790	2.3	19.9
4 21	12 49.34	− 3 57.5	1.823	2.796	6.5	20.1
5 1	12 43.24	− 3 9.8	1.881	2.801	10.3	20.4
5 11	12 39.03	− 2 35.7	1.961	2.807	13.5	20.6

449259 2013 EF 4 6.1 89°.84 14°.6/28.4 17

3 2	13 43.36	+30 27.2	1.516	2.315	18.0	20.7
3 12	13 33.93	+31 34.0	1.495	2.340	16.1	20.6
3 22	13 21.60	+32 13.1	1.495	2.365	14.8	20.6
4 1	13 7.74	+32 14.6	1.517	2.390	14.7	20.6
4 11	12 54.05	+31 34.5	1.561	2.414	15.6	20.7
4 21	12 42.01	+30 15.8	1.627	2.438	17.2	20.9
5 1	12 32.67	+28 25.7	1.713	2.461	18.9	21.1
5 11	12 26.46	+26 13.3	1.815	2.483	20.6	21.3

128646 2004 RT_{36} 4 6.1 135°.51 2°.6/ 3.5 18 R

3 2	13 24.42	− 1 14.4	2.016	2.855	12.6	20.0
3 12	13 19.59	− 0 26.9	1.945	2.862	9.3	19.8
3 22	13 12.87	+ 0 26.8	1.900	2.868	5.8	19.6
4 1	13 4.90	+ 1 21.5	1.881	2.874	2.8	19.5
4 11	12 56.57	+ 2 10.9	1.892	2.880	4.1	19.6
4 21	12 48.75	+ 2 49.9	1.929	2.885	7.6	19.8
5 1	12 42.22	+ 3 14.6	1.993	2.890	11.0	20.0
5 11	12 37.56	+ 3 23.2	2.079	2.895	13.9	20.2

424068 2007 DL_{1} 4 6.1 155°.90 1°.6/ 4.4 16

3 2	13 25.31	− 4 20.3	2.223	3.050	12.0	22.5
3 12	13 20.10	− 3 32.9	2.149	3.059	8.9	22.3
3 22	13 13.11	− 2 37.2	2.099	3.066	5.4	22.1
4 1	13 4.98	− 1 37.8	2.078	3.073	2.1	21.9
4 11	12 56.50	− 0 40.3	2.087	3.080	3.1	21.9
4 21	12 48.49	+ 0 9.9	2.124	3.085	6.6	22.2
5 1	12 41.69	+ 0 48.5	2.188	3.090	9.9	22.4
5 11	12 36.64	+ 1 13.0	2.276	3.094	12.8	22.6

340538 2006 JJ_{73} 4 6.1 278°.87 1°.3/ 7.5 17

3 2	13 21.16	−13 48.1	2.047	2.857	13.6	21.6
3 12	13 17.41	−13 11.4	1.946	2.841	10.5	21.4
3 22	13 11.70	−12 17.3	1.868	2.825	7.0	21.1
4 1	13 4.57	−11 8.1	1.816	2.808	3.1	20.8
4 11	12 56.86	− 9 49.3	1.793	2.792	2.0	20.7
4 21	12 49.46	− 8 27.6	1.797	2.775	6.0	21.0
5 1	12 43.24	− 7 10.5	1.829	2.759	9.9	21.2
5 11	12 38.86	− 6 4.3	1.884	2.742	13.5	21.3

132643 2002 LN_{40} 4 6.1 280°.52 4°.6/ 1.2 18

3 2	13 22.39	+ 3 19.9	1.994	2.845	12.3	19.6
3 12	13 18.33	+ 4 29.8	1.904	2.825	9.3	19.4
3 22	13 12.26	+ 5 44.9	1.839	2.804	6.2	19.1
4 1	13 4.76	+ 6 58.2	1.801	2.784	4.6	19.0
4 11	12 56.68	+ 8 2.2	1.790	2.763	6.2	19.1
4 21	12 48.92	+ 8 50.5	1.807	2.743	9.4	19.2
5 1	12 42.35	+ 9 18.9	1.847	2.722	12.8	19.4
5 11	12 37.64	+ 9 25.8	1.908	2.701	15.8	19.5

419295 2009 WG_{35} 4 6.1 260°.12 2°.1/ 4.6 17

3 2	13 29.31	− 1 21.6	1.846	2.681	13.8	21.2
3 12	13 23.64	− 1 14.1	1.757	2.670	10.4	20.9
3 22	13 15.62	− 1 1.4	1.693	2.660	6.5	20.7
4 1	13 5.93	− 0 47.4	1.655	2.650	2.6	20.4
4 11	12 55.57	− 0 36.8	1.645	2.639	3.6	20.4
4 21	12 45.63	− 0 33.9	1.664	2.628	7.8	20.7
5 1	12 37.15	− 0 41.8	1.708	2.617	11.8	20.9
5 11	12 30.88	− 1 2.5	1.775	2.606	15.3	21.1

476331 2008 AW_{20} 4 6.1 1°.52 6°.0/12.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 25.07	−25 46.2	2.355	3.090	14.2	20.9
3 12	13 20.22	−26 26.3	2.263	3.090	12.0	20.7
3 22	13 13.39	−26 48.3	2.192	3.090	9.5	20.6
4 1	13 5.15	−26 50.4	2.145	3.090	7.3	20.4
4 11	12 56.33	−26 33.3	2.125	3.090	6.1	20.4
4 21	12 47.85	−25 59.9	2.132	3.090	6.8	20.4
5 1	12 40.56	−25 15.4	2.166	3.090	8.9	20.5
5 11	12 35.12	−24 26.2	2.224	3.091	11.4	20.7

463855 2014 UX_{15} 4 6.1 248°.25 2°.3/ 7.9 16

3 2	13 28.36	−13 40.7	1.770	2.576	15.5	21.9
3 12	13 23.24	−13 44.2	1.670	2.561	12.2	21.7
3 22	13 15.57	−13 31.4	1.591	2.544	8.3	21.4
4 1	13 5.97	−13 3.0	1.538	2.528	4.1	21.1
4 11	12 55.49	−12 22.4	1.513	2.511	2.8	21.0
4 21	12 45.32	−11 35.3	1.515	2.493	6.9	21.2
5 1	12 36.63	−10 48.8	1.543	2.475	11.3	21.4
5 11	12 30.29	−10 9.7	1.594	2.456	15.3	21.6

431047 2006 BM_{50} 4 6.1 344°.09 2°.0/ 7.7 17

3 2	13 24.01	−12 30.7	1.645	2.468	15.8	21.5
3 12	13 19.93	−12 37.7	1.562	2.463	12.3	21.3
3 22	13 13.43	−12 29.0	1.501	2.459	8.2	21.0
4 1	13 5.19	−12 6.0	1.464	2.455	3.8	20.7
4 11	12 56.29	−11 32.9	1.453	2.452	2.6	20.6
4 21	12 47.87	−10 55.3	1.469	2.449	6.8	20.9
5 1	12 40.99	−10 19.9	1.510	2.446	11.1	21.1
5 11	12 36.42	− 9 52.6	1.572	2.444	14.9	21.4

146845 2002 AG_{82} 4 6.1 34°.88 1°.7/ 4.7 18

3 2	13 21.97	− 5 51.0	1.380	2.235	16.4	19.0
3 12	13 18.41	− 5 1.1	1.325	2.249	12.2	18.8
3 22	13 12.39	− 3 57.7	1.292	2.264	7.4	18.6
4 1	13 4.78	− 2 48.0	1.284	2.280	2.6	18.3
4 11	12 56.78	− 1 40.8	1.300	2.296	3.7	18.4
4 21	12 49.56	− 0 44.3	1.343	2.313	8.5	18.7
5 1	12 44.12	− 0 4.7	1.408	2.331	12.8	19.0
5 11	12 41.06	+ 0 14.8	1.494	2.349	16.5	19.3

429898 2012 TR_{91} 4 6.1 221°.28 1°.6/ 4.4 17

3 2	13 22.79	− 3 58.6	2.228	3.061	11.8	21.1
3 12	13 18.32	− 3 19.9	2.144	3.057	8.8	20.9
3 22	13 12.09	− 2 33.2	2.085	3.053	5.4	20.7
4 1	13 4.67	− 1 42.7	2.053	3.049	2.1	20.4
4 11	12 56.83	− 0 53.6	2.051	3.044	3.0	20.5
4 21	12 49.36	− 0 11.1	2.076	3.039	6.6	20.7
5 1	12 43.02	+ 0 20.8	2.128	3.034	10.0	20.9
5 11	12 38.35	+ 0 39.1	2.204	3.029	12.9	21.1

330338 2006 UO_{272} 4 6.1 46°.46 3°.0/ 4.0 18

3 2	13 26.99	− 1 2.1	1.382	2.237	16.4	20.7
3 12	13 22.12	− 0 33.6	1.330	2.253	12.1	20.5
3 22	13 14.66	+ 0 1.5	1.299	2.270	7.5	20.3
4 1	13 5.54	+ 0 36.9	1.293	2.287	3.4	20.1
4 11	12 56.06	+ 1 5.4	1.313	2.305	4.7	20.2
4 21	12 47.46	+ 1 21.4	1.358	2.323	9.1	20.5
5 1	12 40.78	+ 1 21.3	1.427	2.341	13.3	20.8
5 11	12 36.66	+ 1 4.2	1.516	2.360	16.9	21.1

429926 2012 TF_{234} 4 6.1 246°.29 2°.2/ 3.5 17

3 2	13 20.98	− 3 41.3	2.191	3.028	11.8	21.4
3 12	13 17.03	− 2 32.6	2.103	3.019	8.8	21.2
3 22	13 11.32	− 1 14.0	2.041	3.010	5.4	21.0
4 1	13 4.42	+ 0 9.0	2.006	3.000	2.4	20.8
4 11	12 57.07	+ 1 29.5	2.001	2.991	3.7	20.8
4 21	12 50.07	+ 2 41.2	2.024	2.981	7.2	21.0
5 1	12 44.16	+ 3 38.6	2.074	2.971	10.6	21.2
5 11	12 39.92	+ 4 18.5	2.146	2.960	13.6	21.4

40952 1999 TD_{231} 4 6.1 230°.36 3°.4/ 2.6 18

3 2	13 23.65	+ 0 54.1	2.044	2.888	12.3	19.8
3 12	13 19.10	+ 1 46.9	1.965	2.883	9.2	19.6
3 22	13 12.63	+ 2 44.8	1.910	2.878	5.8	19.4
4 1	13 4.87	+ 3 42.3	1.883	2.872	3.5	19.2
4 11	12 56.65	+ 4 32.8	1.884	2.867	4.8	19.3
4 21	12 48.85	+ 5 11.1	1.912	2.861	8.2	19.5
5 1	12 42.29	+ 5 33.3	1.966	2.855	11.5	19.7
5 11	12 37.56	+ 5 37.9	2.041	2.848	14.5	19.8

57089 2001 OF_{42} 4 6.1 109°.43 3°.8/10.0 18

3 2	13 24.88	−19 31.7	2.360	3.130	13.2	18.5
3 12	13 19.87	−19 47.8	2.277	3.138	10.6	18.3
3 22	13 13.05	−19 48.2	2.216	3.146	7.8	18.2
4 1	13 5.00	−19 33.2	2.182	3.154	5.0	18.0
4 11	12 56.53	−19 4.9	2.175	3.162	3.8	17.9
4 21	12 48.46	−18 27.2	2.197	3.170	5.5	18.1
5 1	12 41.57	−17 45.1	2.246	3.177	8.3	18.2
5 11	12 36.42	−17 4.1	2.320	3.185	11.0	18.4

405264 2003 SF_{311} 4 6.1 213°.29 0°.4/ 5.7 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 26.45	− 8 17.2	1.994	2.814	13.5	22.8
3 12	13 21.35	− 7 40.9	1.902	2.807	10.2	22.6
3 22	13 14.12	− 6 51.7	1.834	2.799	6.4	22.3
4 1	13 5.41	− 5 53.3	1.794	2.790	2.1	22.0
4 11	12 56.12	− 4 51.5	1.782	2.780	2.4	22.0
4 21	12 47.22	− 3 52.6	1.799	2.770	6.7	22.3
5 1	12 39.64	− 3 2.7	1.843	2.759	10.7	22.5
5 11	12 34.04	− 2 26.3	1.910	2.747	14.2	22.7

425609 2010 UW_{91} 4 6.1 196°.30 1°.7/ 7.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 27.30	−12 49.0	1.979	2.783	14.2	21.9
3 12	13 22.01	−12 44.6	1.890	2.781	11.0	21.7
3 22	13 14.55	−12 25.8	1.825	2.779	7.3	21.5
4 1	13 5.56	−11 54.1	1.785	2.776	3.4	21.2
4 11	12 55.99	−11 13.5	1.774	2.772	2.3	21.1
4 21	12 46.84	−10 29.3	1.792	2.769	6.1	21.4
5 1	12 39.07	− 9 47.3	1.836	2.764	10.0	21.6
5 11	12 33.36	− 9 13.0	1.904	2.759	13.5	21.8

395723 2012 TZ_{321} 4 6.1 151°.18 4°.5/31.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 22.13	+ 6 36.2	2.528	3.370	10.2	21.2
3 12	13 17.55	+ 7 40.0	2.462	3.376	7.8	21.1
3 22	13 11.47	+ 8 43.9	2.423	3.381	5.5	20.9
4 1	13 4.43	+ 9 42.2	2.412	3.386	4.5	20.9
4 11	12 57.12	+10 29.8	2.430	3.391	5.7	20.9
4 21	12 50.20	+11 2.8	2.476	3.396	8.0	21.1
5 1	12 44.31	+11 19.2	2.547	3.400	10.5	21.3
5 11	12 39.90	+11 18.5	2.640	3.403	12.7	21.4

306355 2011 SF_{194} 4 6.1 224°.70 1°.1/ 4.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 24.68	− 3 37.9	2.528	3.352	10.9	20.6
3 12	13 19.54	− 3 25.3	2.439	3.347	8.1	20.4
3 22	13 12.78	− 3 7.1	2.376	3.342	5.0	20.2
4 1	13 4.91	− 2 46.1	2.341	3.336	1.8	20.0
4 11	12 56.63	− 2 25.9	2.335	3.330	2.4	20.0
4 21	12 48.69	− 2 10.0	2.359	3.325	5.7	20.2
5 1	12 41.75	− 2 1.2	2.411	3.319	8.9	20.4
5 11	12 36.36	− 2 1.8	2.486	3.312	11.6	20.6

453885 2011 UP_{173} 4 6.1 91°.84 4°.4/ 2.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 27.35	+ 1 11.9	1.467	2.322	15.6	21.6
3 12	13 22.33	+ 2 10.3	1.410	2.333	11.6	21.4
3 22	13 14.79	+ 3 14.1	1.376	2.345	7.4	21.2
4 1	13 5.61	+ 4 15.3	1.367	2.356	4.5	21.0
4 11	12 56.02	+ 5 5.3	1.384	2.368	6.1	21.2
4 21	12 47.23	+ 5 37.6	1.427	2.379	10.1	21.4
5 1	12 40.27	+ 5 48.8	1.493	2.390	14.0	21.7
5 11	12 35.79	+ 5 38.5	1.579	2.401	17.4	21.9

331599 2001 VW_{80} 4 6.1 85°.51 8°.6/16.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 23.57	−34 14.6	1.880	2.582	18.3	20.1
3 12	13 19.57	−34 19.7	1.795	2.588	16.0	19.9
3 22	13 13.16	−33 53.7	1.727	2.594	13.3	19.7
4 1	13 5.09	−32 54.2	1.681	2.601	10.7	19.6
4 11	12 56.48	−31 22.7	1.658	2.607	8.9	19.5
4 21	12 48.49	−29 25.8	1.661	2.613	8.8	19.5
5 1	12 42.15	−27 13.8	1.690	2.620	10.6	19.6
5 11	12 38.16	−24 58.9	1.744	2.626	13.2	19.8

397687 2008 CZ_{16} 4 6.1 337°.87 6°.2/10.9 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 25.41	−22 16.4	1.962	2.729	15.6	20.8
3 12	13 20.92	−23 15.8	1.866	2.718	13.0	20.6
3 22	13 14.08	−23 58.3	1.791	2.708	10.2	20.4
4 1	13 5.47	−24 21.1	1.740	2.699	7.5	20.2
4 11	12 56.04	−24 23.9	1.715	2.690	6.2	20.1
4 21	12 46.88	−24 9.3	1.716	2.681	7.5	20.2
5 1	12 39.07	−23 42.4	1.743	2.673	10.3	20.3
5 11	12 33.43	−23 10.3	1.793	2.666	13.3	20.5

293295 2007 DK_{18} 4 6.1 328°.96 1°.2/ 6.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 22.76	−10 27.5	1.456	2.294	16.6	20.9
3 12	13 19.36	−10 29.5	1.368	2.279	12.9	20.6
3 22	13 13.29	−10 15.5	1.301	2.265	8.4	20.3
4 1	13 5.22	− 9 47.7	1.257	2.251	3.4	20.0
4 11	12 56.29	− 9 11.1	1.239	2.239	2.5	19.9
4 21	12 47.78	− 8 32.1	1.246	2.226	7.6	20.2
5 1	12 40.91	− 7 58.3	1.277	2.215	12.5	20.4
5 11	12 36.59	− 7 35.9	1.328	2.205	16.8	20.6

277620 2006 BL_{11} 4 6.1 24°.77 8°.4/11.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 27.64	−24 15.0	1.464	2.241	19.6	19.4
3 12	13 23.10	−25 35.2	1.397	2.251	16.5	19.2
3 22	13 15.61	−26 31.4	1.349	2.263	13.1	19.0
4 1	13 6.00	−26 59.2	1.322	2.275	10.0	18.8
4 11	12 55.59	−26 58.3	1.319	2.289	8.4	18.8
4 21	12 45.87	−26 32.7	1.340	2.303	9.4	18.9
5 1	12 38.15	−25 50.8	1.385	2.318	12.2	19.1
5 11	12 33.28	−25 2.7	1.450	2.334	15.3	19.3

438412 2006 VX_{37} 4 6.1 186°.30 5°.9/15.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 22.84	−33 45.7	3.164	3.827	12.1	21.7
3 12	13 18.09	−33 39.2	3.060	3.827	10.6	21.6
3 22	13 11.84	−33 13.1	2.976	3.826	8.8	21.5
4 1	13 4.58	−32 26.4	2.916	3.825	7.1	21.4
4 11	12 56.99	−31 20.5	2.883	3.823	6.0	21.3
4 21	12 49.74	−29 58.7	2.879	3.820	6.1	21.3
5 1	12 43.46	−28 26.3	2.903	3.817	7.3	21.4
5 11	12 38.64	−26 49.5	2.954	3.814	9.1	21.5

100598 1997 QO_1 4 6.1 100°.73 14°.3/12.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 41.84	−29 15.3	1.160	1.912	25.0	18.9
3 12	13 35.37	−31 53.7	1.093	1.919	22.0	18.7
3 22	13 24.22	−34 5.2	1.043	1.927	18.6	18.5
4 1	13 9.22	−35 36.4	1.012	1.935	15.7	18.3
4 11	12 52.35	−36 18.6	1.002	1.942	14.3	18.3
4 21	12 36.18	−36 12.2	1.014	1.949	15.1	18.3
5 1	12 23.13	−35 28.0	1.047	1.956	17.4	18.5
5 11	12 14.66	−34 23.3	1.098	1.963	20.4	18.7

401190 2011 WP_{120} 4 6.1 200°.72 2°.5/ 8.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 26.96	−16 7.3	1.932	2.726	14.9	21.6
3 12	13 21.86	−15 49.1	1.840	2.722	11.7	21.4
3 22	13 14.51	−15 12.2	1.770	2.718	8.0	21.2
4 1	13 5.57	−14 18.1	1.726	2.713	4.2	20.9
4 11	12 56.02	−13 11.3	1.710	2.707	2.7	20.8
4 21	12 46.90	−11 58.4	1.722	2.700	6.2	21.0
5 1	12 39.19	−10 47.1	1.762	2.693	10.2	21.2
5 11	12 33.60	− 9 44.4	1.825	2.684	13.8	21.4

366906 2005 UZ_{64} 4 6.1 162°.92 2°.2/ 3.5 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 24.98	− 1 51.3	2.422	3.251	11.1	22.5
3 12	13 19.74	− 0 58.9	2.347	3.258	8.2	22.3
3 22	13 12.87	− 0 0.5	2.298	3.264	5.1	22.1
4 1	13 4.94	+ 0 59.2	2.278	3.270	2.4	21.9
4 11	12 56.69	+ 1 55.0	2.287	3.275	3.5	22.0
4 21	12 48.87	+ 2 42.0	2.326	3.279	6.6	22.2
5 1	12 42.15	+ 3 16.7	2.392	3.283	9.7	22.4
5 11	12 37.03	+ 3 36.9	2.482	3.286	12.3	22.6

162299 1999 VW_{180} 4 6.1 187°.54 0°.0/ 5.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 24.69	−15 48.9	1.313	2.138	18.9	19.8
3 12	13 20.88	−13 49.0	1.233	2.138	14.5	19.5
3 22	13 14.20	−11 13.4	1.174	2.138	9.2	19.2
4 1	13 5.51	− 8 10.4	1.141	2.137	3.2	18.9
4 11	12 56.14	− 4 55.5	1.137	2.135	3.1	18.8
4 21	12 47.50	− 1 47.9	1.160	2.133	9.1	19.2
5 1	12 40.83	+ 0 55.5	1.209	2.130	14.6	19.5
5 11	12 36.92	+ 3 4.5	1.279	2.127	19.1	19.7

28923 2000 QJ_{161} 4 6.1 142°.65 2°.3/ 9.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 21.43	−17 18.0	2.520	3.303	12.1	18.9
3 12	13 17.15	−16 56.4	2.434	3.308	9.5	18.8
3 22	13 11.31	−16 19.6	2.371	3.313	6.6	18.6
4 1	13 4.42	−15 29.5	2.335	3.318	3.7	18.4
4 11	12 57.18	−14 29.6	2.327	3.322	2.4	18.3
4 21	12 50.32	−13 24.8	2.349	3.327	4.8	18.5
5 1	12 44.49	−12 20.6	2.399	3.331	7.8	18.7
5 11	12 40.19	−11 22.1	2.474	3.335	10.6	18.9

477604 2010 KX_{52} 4 6.1 265°.69 6°.7/13.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 24.81	−29 50.1	2.681	3.381	13.4	21.1
3 12	13 20.01	−30 27.4	2.567	3.364	11.6	20.9
3 22	13 13.31	−30 46.7	2.474	3.346	9.6	20.7
4 1	13 5.18	−30 45.7	2.405	3.328	7.8	20.6
4 11	12 56.39	−30 24.2	2.363	3.310	6.7	20.5
4 21	12 47.78	−29 44.4	2.347	3.292	7.1	20.5
5 1	12 40.19	−28 50.7	2.359	3.273	8.7	20.5
5 11	12 34.29	−27 49.5	2.395	3.254	10.9	20.6

90917 1997 NU_2 4 6.1 102°.21 3°.5/ 8.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 27.72	−17 24.7	1.522	2.326	17.7	19.5
3 12	13 22.76	−17 19.9	1.454	2.339	14.0	19.3
3 22	13 15.17	−16 52.5	1.406	2.353	9.8	19.0
4 1	13 5.80	−16 4.0	1.381	2.366	5.4	18.8
4 11	12 55.90	−14 59.7	1.383	2.379	3.7	18.7
4 21	12 46.75	−13 47.7	1.412	2.391	7.0	19.0
5 1	12 39.46	−12 37.1	1.466	2.403	11.3	19.2
5 11	12 34.74	−11 36.2	1.542	2.415	15.1	19.5

211925 2004 TD_{323} 4 6.1 252°.10 0°.7/ 6.7 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 25.04	−11 0.6	1.503	2.334	16.6	21.2
3 12	13 20.88	−10 33.2	1.423	2.331	12.7	21.0
3 22	13 14.11	− 9 47.4	1.364	2.328	8.1	20.7
4 1	13 5.48	− 8 46.9	1.329	2.324	3.1	20.4
4 11	12 56.16	− 7 38.4	1.321	2.320	2.4	20.3
4 21	12 47.39	− 6 30.6	1.339	2.317	7.6	20.6
5 1	12 40.33	− 5 31.8	1.382	2.313	12.3	20.9
5 11	12 35.77	− 4 48.5	1.446	2.309	16.5	21.1

476344 2008 AM_{98} 4 6.1 121°.94 2°.7/ 9.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 23.73	−16 50.0	2.482	3.263	12.3	21.9
3 12	13 18.92	−16 55.1	2.397	3.270	9.7	21.7
3 22	13 12.43	−16 46.5	2.336	3.276	6.8	21.5
4 1	13 4.82	−16 25.1	2.301	3.282	4.0	21.4
4 11	12 56.83	−15 53.4	2.295	3.288	2.8	21.3
4 21	12 49.21	−15 15.4	2.318	3.294	5.0	21.4
5 1	12 42.66	−14 35.7	2.369	3.299	7.9	21.6
5 11	12 37.73	−13 59.0	2.444	3.305	10.7	21.8

10391 1997 RR_{3} 4 6.1 78°.30 2°.6/ 3.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 22.12	− 5 2.7	1.666	2.512	14.5	16.7
3 12	13 18.17	− 3 30.7	1.606	2.526	10.7	16.5
3 22	13 12.12	− 1 46.0	1.569	2.540	6.5	16.3
4 1	13 4.72	+ 0 3.2	1.560	2.554	2.8	16.1
4 11	12 56.97	+ 1 46.8	1.578	2.568	4.4	16.2
4 21	12 49.87	+ 3 16.0	1.624	2.582	8.5	16.5
5 1	12 44.28	+ 4 24.6	1.694	2.596	12.3	16.8
5 11	12 40.76	+ 5 9.6	1.786	2.609	15.6	17.0

494262 2016 QS_{52} 4 6.1 226°.84 0°.4/ 6.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 20.79	−10 22.5	2.693	3.502	10.7	22.0
3 12	13 16.61	− 9 51.2	2.598	3.495	8.1	21.9
3 22	13 10.97	− 9 9.2	2.528	3.488	5.2	21.7
4 1	13 4.32	− 8 19.2	2.486	3.481	1.9	21.4
4 11	12 57.31	− 7 25.1	2.474	3.473	1.5	21.4
4 21	12 50.59	− 6 31.3	2.491	3.465	4.8	21.6
5 1	12 44.76	− 5 42.3	2.537	3.457	7.9	21.8
5 11	12 40.31	− 5 1.9	2.607	3.449	10.7	21.9

139669 2001 QJ_{194} 4 6.1 90°.64 4°.4/11.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 22.91	−23 7.5	2.340	3.095	13.7	19.4
3 12	13 18.41	−23 6.2	2.261	3.109	11.2	19.2
3 22	13 12.15	−22 45.9	2.204	3.123	8.4	19.1
4 1	13 4.73	−22 7.3	2.172	3.136	5.8	18.9
4 11	12 56.96	−21 13.0	2.168	3.150	4.4	18.9
4 21	12 49.65	−20 8.2	2.192	3.163	5.6	19.0
5 1	12 43.54	−18 58.8	2.243	3.177	8.2	19.1
5 11	12 39.15	−17 51.4	2.320	3.190	10.8	19.3

468575 2007 EF_{193} 4 6.1 20°.71 4°.7/ 9.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 27.99	−18 4.8	1.719	2.511	16.5	21.3
3 12	13 22.94	−18 44.0	1.637	2.512	13.3	21.0
3 22	13 15.35	−19 5.4	1.575	2.513	9.7	20.8
4 1	13 5.92	−19 7.7	1.538	2.515	6.2	20.6
4 11	12 55.77	−18 52.6	1.527	2.516	4.7	20.5
4 21	12 46.11	−18 24.4	1.543	2.518	7.1	20.7
5 1	12 38.07	−17 49.7	1.584	2.520	10.7	20.9
5 11	12 32.44	−17 15.7	1.648	2.522	14.3	21.1

40457 Williamkuhn 4 6.1 300°.69 3°.6/ 2.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 21.53	− 2 53.2	1.424	2.283	15.7	18.8
3 12	13 18.39	− 1 34.8	1.341	2.268	11.8	18.5
3 22	13 12.66	− 0 1.5	1.280	2.252	7.3	18.2
4 1	13 5.03	+ 1 38.5	1.244	2.237	3.7	18.0
4 11	12 56.61	+ 3 13.8	1.234	2.222	5.7	18.0
4 21	12 48.67	+ 4 33.9	1.249	2.208	10.4	18.3
5 1	12 42.36	+ 5 30.8	1.287	2.193	15.0	18.5
5 11	12 38.52	+ 6 0.5	1.343	2.179	19.1	18.7

126375 2002 AF_{193} 4 6.1 179°.39 4°.2/30.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 20.58	+ 7 36.5	3.009	3.849	8.9	21.1
3 12	13 16.22	+ 8 48.2	2.939	3.850	6.8	21.0
3 22	13 10.61	+ 9 59.7	2.896	3.851	4.9	20.9
4 1	13 4.18	+11 6.1	2.883	3.851	4.2	20.8
4 11	12 57.49	+12 2.5	2.899	3.851	5.4	20.9
4 21	12 51.11	+12 45.7	2.943	3.851	7.4	21.0
5 1	12 45.54	+13 13.2	3.013	3.850	9.5	21.1
5 11	12 41.21	+13 24.8	3.106	3.848	11.4	21.3

300252 2007 FN_{32} 4 6.1 316°.33 2°.6/ 4.6 14 C

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 26.70	− 2 22.9	1.187	2.049	18.0	20.7
3 12	13 22.85	− 2 7.9	1.108	2.035	13.7	20.4
3 22	13 15.75	− 1 43.0	1.048	2.021	8.5	20.0
4 1	13 6.17	− 1 13.9	1.011	2.007	3.4	19.7
4 11	12 55.52	− 0 48.4	0.999	1.994	4.7	19.7
4 21	12 45.41	− 0 34.1	1.009	1.981	10.4	20.0
5 1	12 37.38	− 0 36.8	1.042	1.970	15.8	20.2
5 11	12 32.45	− 0 59.2	1.093	1.959	20.5	20.5

304025 2006 DR_{59} 4 6.1 63°.42 1°.4/ 4.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 23.44	− 7 45.2	1.392	2.239	16.7	20.7
3 12	13 19.68	− 6 41.8	1.324	2.244	12.5	20.4
3 22	13 13.32	− 5 20.7	1.278	2.248	7.7	20.1
4 1	13 5.20	− 3 49.0	1.257	2.253	2.6	19.8
4 11	12 56.53	− 2 16.9	1.262	2.258	3.6	19.9
4 21	12 48.55	− 0 54.6	1.292	2.263	8.7	20.2
5 1	12 42.37	+ 0 9.7	1.346	2.268	13.4	20.5
5 11	12 38.69	+ 0 51.2	1.421	2.273	17.3	20.8

213847 2003 SP_{52} 4 6.1 169°.14 2°.1/ 4.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 25.24	− 4 32.1	1.808	2.645	13.9	20.4
3 12	13 20.49	− 3 31.2	1.734	2.649	10.4	20.2
3 22	13 13.60	− 2 19.2	1.683	2.651	6.3	19.9
4 1	13 5.27	− 1 2.0	1.659	2.654	2.5	19.7
4 11	12 56.46	+ 0 12.5	1.663	2.655	3.8	19.8
4 21	12 48.20	+ 1 17.2	1.695	2.657	7.9	20.0
5 1	12 41.38	+ 2 6.1	1.753	2.657	11.8	20.3
5 11	12 36.64	+ 2 36.3	1.832	2.658	15.1	20.5

510340 2011 SY_{108} 4 6.1 186°.67 3°.0/ 9.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 25.28	−18 30.4	3.012	3.771	10.8	21.9
3 12	13 19.87	−18 44.7	2.914	3.771	8.7	21.7
3 22	13 12.96	−18 47.0	2.840	3.770	6.3	21.5
4 1	13 5.02	−18 37.5	2.795	3.768	4.0	21.4
4 11	12 56.68	−18 17.9	2.779	3.766	3.0	21.3
4 21	12 48.61	−17 50.8	2.793	3.764	4.6	21.4
5 1	12 41.43	−17 19.9	2.835	3.761	7.0	21.6
5 11	12 35.63	−16 49.3	2.905	3.758	9.4	21.7

66880 1999 VO_{66} 4 6.1 200°.59 1°.6/ 4.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 24.51	− 2 57.5	2.541	3.367	10.8	20.0
3 12	13 19.42	− 2 21.1	2.453	3.363	8.0	19.8
3 22	13 12.72	− 1 38.3	2.391	3.358	4.9	19.6
4 1	13 4.94	− 0 53.0	2.358	3.352	2.0	19.4
4 11	12 56.77	− 0 9.6	2.355	3.346	2.9	19.5
4 21	12 48.93	+ 0 27.6	2.381	3.340	6.1	19.7
5 1	12 42.10	+ 0 55.0	2.434	3.333	9.2	19.9
5 11	12 36.80	+ 1 10.3	2.512	3.325	11.9	20.0

222542 2001 UX_{196} 4 6.1 239°.42 3°.0/ 3.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 26.79	+ 0 25.1	2.230	3.063	11.8	22.0
3 12	13 21.45	+ 1 8.9	2.133	3.046	8.9	21.8
3 22	13 14.16	+ 1 58.2	2.062	3.028	5.6	21.5
4 1	13 5.49	+ 2 48.1	2.019	3.009	3.1	21.3
4 11	12 56.23	+ 3 32.8	2.005	2.990	4.4	21.4
4 21	12 47.27	+ 4 7.4	2.020	2.970	7.7	21.5
5 1	12 39.45	+ 4 28.0	2.061	2.949	11.1	21.7
5 11	12 33.41	+ 4 32.5	2.125	2.927	14.2	21.9

133418 2003 SO_{185} 4 6.1 240°.42 1°.1/ 5.2 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 27.60	− 6 3.3	1.933	2.759	13.6	21.2
3 12	13 22.39	− 5 29.6	1.834	2.742	10.3	21.0
3 22	13 14.92	− 4 44.4	1.759	2.725	6.4	20.7
4 1	13 5.79	− 3 51.7	1.710	2.706	2.2	20.4
4 11	12 55.93	− 2 57.1	1.691	2.687	2.9	20.4
4 21	12 46.38	− 2 7.2	1.700	2.668	7.3	20.6
5 1	12 38.16	− 1 27.6	1.735	2.647	11.5	20.8
5 11	12 32.01	− 1 2.7	1.793	2.626	15.1	21.0

368694 2005 SG_{91} 4 6.1 107°.29 0°.2/ 5.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 27.90	− 7 29.0	2.053	2.872	13.2	21.9
3 12	13 22.11	− 7 10.3	1.989	2.892	9.9	21.7
3 22	13 14.41	− 6 41.7	1.948	2.912	6.1	21.5
4 1	13 5.51	− 6 6.6	1.935	2.931	2.1	21.3
4 11	12 56.31	− 5 29.7	1.952	2.950	2.1	21.3
4 21	12 47.72	− 4 55.8	1.997	2.968	6.1	21.6
5 1	12 40.52	− 4 29.3	2.069	2.986	9.6	21.9
5 11	12 35.25	− 4 13.2	2.165	3.003	12.7	22.1

498871 2008 YG_{92} 4 6.1 82°.82 5°.6/31.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 23.57	+ 8 11.6	2.081	2.930	11.9	20.8
3 12	13 18.87	+ 9 16.9	2.026	2.941	9.1	20.7
3 22	13 12.41	+10 20.4	1.996	2.953	6.6	20.6
4 1	13 4.82	+11 15.4	1.994	2.964	5.6	20.5
4 11	12 56.97	+11 55.8	2.018	2.976	6.9	20.6
4 21	12 49.66	+12 18.0	2.069	2.987	9.4	20.8
5 1	12 43.63	+12 20.1	2.145	2.999	12.1	21.0
5 11	12 39.38	+12 2.9	2.240	3.010	14.5	21.2

35357 Haraldlesch 4 6.1 299°.07 1°.7/ 7.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 23.05	−13 2.6	1.351	2.186	17.9	19.0
3 12	13 19.92	−12 44.6	1.257	2.165	14.0	18.7
3 22	13 13.87	−12 4.0	1.182	2.145	9.3	18.3
4 1	13 5.54	−11 2.6	1.131	2.124	4.1	18.0
4 11	12 56.15	− 9 46.7	1.104	2.103	2.7	17.8
4 21	12 47.10	− 8 25.7	1.102	2.083	8.2	18.1
5 1	12 39.81	− 7 10.6	1.123	2.063	13.7	18.3
5 11	12 35.30	− 6 10.9	1.164	2.044	18.5	18.5

433579 2013 YD_{31} 4 6.1 305°.47 7°.1/30.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 25.66	+12 22.3	1.954	2.801	12.6	20.6
3 12	13 20.68	+13 21.5	1.889	2.798	10.0	20.5
3 22	13 13.66	+14 15.7	1.849	2.796	7.8	20.3
4 1	13 5.29	+14 57.6	1.834	2.793	7.1	20.3
4 11	12 56.52	+15 20.7	1.847	2.791	8.5	20.3
4 21	12 48.30	+15 21.8	1.884	2.788	11.0	20.5
5 1	12 41.47	+14 59.8	1.945	2.786	13.7	20.7
5 11	12 36.62	+14 16.6	2.025	2.784	16.1	20.8

13420 1999 VN_{10} 4 6.1 187°.55 2°.5/ 8.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 23.42	−16 16.9	2.123	2.916	13.7	17.7
3 12	13 19.00	−16 5.9	2.035	2.916	10.8	17.5
3 22	13 12.64	−15 38.4	1.969	2.916	7.5	17.3
4 1	13 4.97	−14 55.9	1.930	2.915	4.0	17.1
4 11	12 56.81	−14 2.2	1.919	2.915	2.7	17.0
4 21	12 49.06	−13 2.7	1.936	2.914	5.6	17.2
5 1	12 42.54	−12 3.6	1.980	2.913	9.1	17.4
5 11	12 37.85	−11 11.0	2.048	2.912	12.3	17.6

319609 2006 SE_{238} 4 6.1 98°.39 0°.8/ 5.2 17

3 2	13 21.99	− 6 23.8	2.339	3.164	11.6	21.5
3 12	13 17.59	− 5 48.1	2.265	3.174	8.6	21.3
3 22	13 11.60	− 5 3.6	2.217	3.183	5.3	21.1
4 1	13 4.56	− 4 14.1	2.197	3.193	1.8	20.8
4 11	12 57.23	− 3 24.4	2.205	3.202	2.3	20.9
4 21	12 50.32	− 2 39.2	2.243	3.211	5.7	21.1
5 1	12 44.49	− 2 2.7	2.307	3.220	9.0	21.4
5 11	12 40.25	− 1 37.7	2.395	3.229	11.8	21.6

323099 2002 WC_9 4 6.1 204°.30 0°.7/ 6.8 17

3 2	13 26.57	−10 32.2	2.109	2.919	13.2	21.7
3 12	13 21.36	−10 12.7	2.017	2.914	10.1	21.5
3 22	13 14.13	− 9 40.3	1.950	2.909	6.5	21.3
4 1	13 5.49	− 8 57.6	1.909	2.903	2.5	21.0
4 11	12 56.31	− 8 9.0	1.898	2.897	1.9	20.9
4 21	12 47.52	− 7 20.0	1.915	2.890	6.0	21.2
5 1	12 39.98	− 6 36.1	1.960	2.882	9.8	21.4
5 11	12 34.33	− 6 2.0	2.028	2.874	13.1	21.6

294498 2007 WL_{55} 4 6.1 92°.34 12°.1/18.4 17

3 2	13 26.47	+36 6.7	2.401	3.175	12.9	20.0
3 12	13 21.06	+37 43.7	2.386	3.186	12.2	19.9
3 22	13 13.74	+38 59.4	2.392	3.198	12.2	19.9
4 1	13 5.27	+39 46.9	2.421	3.210	12.6	20.0
4 11	12 56.60	+40 2.8	2.470	3.221	13.5	20.1
4 21	12 48.64	+39 47.1	2.537	3.232	14.6	20.2
5 1	12 42.15	+39 2.5	2.621	3.244	15.6	20.3
5 11	12 37.62	+37 53.5	2.718	3.255	16.5	20.4

351967 2006 UK_7 4 6.1 135°.07 3°.0/ 2.7 18

3 2	13 23.61	+ 2 25.4	2.500	3.337	10.5	21.1
3 12	13 18.69	+ 3 0.6	2.428	3.342	7.9	20.9
3 22	13 12.24	+ 3 38.0	2.383	3.348	5.0	20.7
4 1	13 4.79	+ 4 13.2	2.365	3.353	3.1	20.6
4 11	12 57.04	+ 4 41.8	2.377	3.358	4.2	20.7
4 21	12 49.71	+ 5 0.5	2.417	3.363	6.9	20.9
5 1	12 43.41	+ 5 6.7	2.484	3.367	9.6	21.0
5 11	12 38.64	+ 4 59.8	2.574	3.372	12.1	21.2

298909 2004 TF_{83} 4 6.1 132°.88 0°.8/ 6.8 18

3 2	13 27.54	−11 34.0	1.729	2.545	15.4	21.7
3 12	13 22.30	−11 1.8	1.657	2.557	11.7	21.5
3 22	13 14.76	−10 13.2	1.609	2.569	7.5	21.2
4 1	13 5.70	− 9 11.8	1.586	2.580	2.9	21.0
4 11	12 56.19	− 8 4.1	1.591	2.590	2.2	20.9
4 21	12 47.34	− 6 57.4	1.624	2.600	6.7	21.2
5 1	12 40.09	− 5 59.0	1.684	2.609	10.9	21.5
5 11	12 35.09	− 5 14.2	1.766	2.618	14.5	21.7

430612 2002 WU_{21} 4 6.1 48°.25 9°.2/29.1 15

3 2	13 28.10	+19 2.6	1.853	2.691	13.6	20.5
3 12	13 22.37	+19 59.5	1.815	2.708	11.3	20.4
3 22	13 14.58	+20 43.9	1.801	2.725	9.6	20.3
4 1	13 5.57	+21 8.1	1.811	2.743	9.3	20.3
4 11	12 56.39	+21 7.3	1.847	2.761	10.4	20.4
4 21	12 48.03	+20 40.3	1.906	2.779	12.4	20.6
5 1	12 41.30	+19 48.7	1.988	2.797	14.6	20.7
5 11	12 36.70	+18 36.7	2.088	2.815	16.6	20.9

209911 2005 NU_{54} 4 6.1 248°.17 0°.5/ 6.7 17

3 2	13 21.51	−10 38.9	2.399	3.212	11.7	21.1
3 12	13 17.36	−10 12.2	2.307	3.205	9.0	20.9
3 22	13 11.54	− 9 33.8	2.238	3.198	5.7	20.7
4 1	13 4.60	− 8 46.3	2.197	3.192	2.2	20.5
4 11	12 57.23	− 7 53.8	2.185	3.185	1.7	20.4
4 21	12 50.17	− 7 1.3	2.202	3.177	5.3	20.7
5 1	12 44.14	− 6 13.8	2.247	3.170	8.7	20.9
5 11	12 39.66	− 5 35.3	2.315	3.163	11.6	21.0

93232 2000 SE_{147} 4 6.1 210°.23 0°.3/ 6.4 18

3 2	13 23.79	−10 11.1	2.077	2.894	13.1	20.1
3 12	13 19.28	− 9 38.9	1.989	2.890	10.0	19.8
3 22	13 12.84	− 8 53.3	1.925	2.886	6.3	19.6
4 1	13 5.06	− 7 57.5	1.887	2.882	2.3	19.3
4 11	12 56.80	− 6 56.7	1.878	2.877	1.9	19.3
4 21	12 48.93	− 5 57.0	1.898	2.872	6.0	19.6
5 1	12 42.28	− 5 4.2	1.945	2.867	9.8	19.8
5 11	12 37.48	− 4 23.0	2.015	2.862	13.2	20.0

155189 2005 UN_{355} 4 6.1 199°.30 3°.3/ 3.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 29.21	+ 2 33.3	2.150	2.983	12.2	19.9
3 12	13 23.19	+ 2 58.3	2.069	2.981	9.1	19.7
3 22	13 15.20	+ 3 25.4	2.013	2.977	5.9	19.5
4 1	13 5.86	+ 3 50.1	1.985	2.974	3.4	19.3
4 11	12 56.06	+ 4 7.6	1.986	2.969	4.6	19.4
4 21	12 46.71	+ 4 14.0	2.016	2.965	7.8	19.5
5 1	12 38.65	+ 4 7.0	2.072	2.959	11.1	19.7
5 11	12 32.49	+ 3 46.0	2.151	2.954	14.0	19.9

382951 2004 VB_{11} 4 6.1 213°.18 1°.7/ 7.8 18

3 2	13 27.83	−12 52.1	2.549	3.338	11.8	21.8
3 12	13 22.06	−12 56.8	2.448	3.329	9.2	21.6
3 22	13 14.48	−12 50.5	2.371	3.320	6.2	21.4
4 1	13 5.63	−12 34.2	2.322	3.311	3.0	21.1
4 11	12 56.26	−12 10.4	2.303	3.300	2.0	21.0
4 21	12 47.16	−11 42.4	2.315	3.289	5.1	21.2
5 1	12 39.10	−11 14.6	2.355	3.278	8.3	21.4
5 11	12 32.68	−10 51.0	2.420	3.266	11.3	21.6

133978 2004 TK_{242} 4 6.1 104°.40 0°.0/ 5.9 18

3 2	13 24.97	−10 38.5	1.486	2.319	16.6	20.3
3 12	13 20.69	− 9 45.5	1.418	2.328	12.6	20.0
3 22	13 13.91	− 8 33.5	1.372	2.337	7.9	19.8
4 1	13 5.45	− 7 8.0	1.350	2.346	2.7	19.5
4 11	12 56.50	− 5 37.9	1.356	2.355	2.6	19.5
4 21	12 48.24	− 4 12.9	1.388	2.363	7.7	19.8
5 1	12 41.75	− 3 1.6	1.445	2.372	12.3	20.1
5 11	12 37.68	− 2 9.6	1.524	2.380	16.2	20.4

55280 2001 SC_{20} 4 6.1 91°.31 3°.6/ 2.9 18

3 2	13 25.21	+ 0 19.3	1.744	2.592	13.9	19.0
3 12	13 20.45	+ 1 14.6	1.683	2.603	10.3	18.8
3 22	13 13.56	+ 2 15.5	1.645	2.614	6.5	18.6
4 1	13 5.29	+ 3 15.2	1.634	2.624	3.7	18.4
4 11	12 56.66	+ 4 6.6	1.650	2.635	5.1	18.5
4 21	12 48.66	+ 4 43.8	1.693	2.645	8.7	18.8
5 1	12 42.17	+ 5 3.2	1.761	2.656	12.3	19.0
5 11	12 37.78	+ 5 3.7	1.849	2.666	15.4	19.2

202704 Utena 4 6.1 313°.71 5°.5/ 2.0 18

3 2	13 25.12	+ 2 10.1	1.265	2.132	16.8	19.9
3 12	13 21.31	+ 3 17.8	1.196	2.125	12.7	19.7
3 22	13 14.58	+ 4 33.0	1.148	2.118	8.3	19.4
4 1	13 5.76	+ 5 45.6	1.124	2.112	5.6	19.2
4 11	12 56.17	+ 6 44.8	1.124	2.106	7.6	19.3
4 21	12 47.26	+ 7 21.8	1.148	2.100	12.0	19.5
5 1	12 40.30	+ 7 31.9	1.193	2.094	16.4	19.8
5 11	12 36.13	+ 7 14.7	1.256	2.089	20.4	20.0

524 Fidelio 4 6.1 144°.60 3°.4/ 9.4 18

3 2	13 27.03	−17 53.2	2.122	2.902	14.2	14.6
3 12	13 21.71	−18 2.5	2.039	2.909	11.3	14.4
3 22	13 14.34	−17 55.3	1.978	2.916	8.0	14.2
4 1	13 5.59	−17 32.1	1.944	2.923	4.8	14.0
4 11	12 56.35	−16 55.7	1.937	2.929	3.5	13.9
4 21	12 47.57	−16 10.7	1.959	2.935	5.8	14.1
5 1	12 40.13	−15 23.0	2.009	2.940	9.1	14.3
5 11	12 34.64	−14 38.7	2.082	2.945	12.2	14.5

378536 2008 AX_{100} 4 6.1 74°.92 7°.1/27.2 18

3 2	13 19.98	+13 18.9	2.298	3.148	10.9	20.5
3 12	13 16.20	+15 7.8	2.243	3.150	8.8	20.3
3 22	13 10.80	+16 52.7	2.214	3.152	7.3	20.3
4 1	13 4.33	+18 25.4	2.213	3.154	7.3	20.3
4 11	12 57.55	+19 39.0	2.239	3.156	8.7	20.3
4 21	12 51.18	+20 29.4	2.290	3.159	10.8	20.5
5 1	12 45.90	+20 55.0	2.364	3.161	12.9	20.6
5 11	12 42.19	+20 56.7	2.456	3.163	14.9	20.8

119516 2001 UP_{150} 4 6.1 241°.30 2°.4/ 8.5 18

3 2	13 23.27	−16 19.1	1.935	2.735	14.6	19.9
3 12	13 19.13	−15 53.8	1.842	2.727	11.5	19.7
3 22	13 12.88	−15 9.2	1.770	2.719	7.9	19.5
4 1	13 5.12	−14 7.1	1.724	2.711	4.1	19.2
4 11	12 56.78	−12 52.3	1.706	2.703	2.6	19.1
4 21	12 48.83	−11 31.7	1.715	2.695	6.0	19.3
5 1	12 42.19	−10 13.3	1.752	2.686	10.0	19.5
5 11	12 37.56	− 9 4.3	1.812	2.677	13.6	19.7

9292 1982 UE_2 4 6.1 197°.96 1°.0/ 5.3 18

3 2	13 29.82	− 6 7.0	1.996	2.816	13.5	19.6
3 12	13 23.89	− 5 34.0	1.908	2.812	10.2	19.4
3 22	13 15.76	− 4 50.3	1.843	2.808	6.3	19.2
4 1	13 6.11	− 3 59.8	1.806	2.802	2.1	18.9
4 11	12 55.87	− 3 8.3	1.799	2.795	2.7	18.9
4 21	12 46.06	− 2 21.5	1.821	2.787	7.0	19.1
5 1	12 37.64	− 1 44.8	1.869	2.778	10.9	19.4
5 11	12 31.28	− 1 21.8	1.941	2.768	14.4	19.6

2020	α_{2000}	δ_{2000}	Δ	r	β	V
57828 2001 XZ_4			4 6.1 264°.39	5°.8/30.3 18		
	h m	° ′			°	m
3 2	13 22.76	+10 13.7	2.340	3.185	10.9	19.6
3 12	13 18.29	+11 17.2	2.264	3.175	8.5	19.5
3 22	13 12.13	+12 18.7	2.213	3.164	6.5	19.3
4 1	13 4.82	+13 11.9	2.190	3.153	5.8	19.3
4 11	12 57.10	+13 51.1	2.194	3.142	7.1	19.3
4 21	12 49.75	+14 12.4	2.225	3.131	9.4	19.4
5 1	12 43.48	+14 13.8	2.281	3.120	12.0	19.6
5 11	12 38.83	+13 55.7	2.356	3.109	14.3	19.7
430194 2013 TH_{128}			4 6.1 105°.25	1°.1/ 7.2 17		
3 2	13 25.13	−12 2.4	2.075	2.884	13.5	22.3
3 12	13 20.14	−11 40.5	2.005	2.900	10.3	22.1
3 22	13 13.27	−11 5.0	1.958	2.915	6.6	21.9
4 1	13 5.19	−10 18.7	1.938	2.931	2.8	21.7
4 11	12 56.78	− 9 26.4	1.947	2.946	1.9	21.6
4 21	12 48.91	− 8 33.6	1.984	2.960	5.6	21.9
5 1	12 42.35	− 7 45.9	2.048	2.975	9.2	22.1
5 11	12 37.65	− 7 7.8	2.137	2.989	12.3	22.4
387983 2005 NG_{44}			4 6.1 256°.61	3°.9/10.5 17		
3 2	13 22.59	−20 52.0	2.380	3.147	13.2	21.3
3 12	13 18.30	−20 57.0	2.283	3.141	10.7	21.2
3 22	13 12.22	−20 45.1	2.209	3.135	8.0	21.0
4 1	13 4.87	−20 16.3	2.159	3.130	5.3	20.8
4 11	12 57.03	−19 32.9	2.138	3.124	4.0	20.7
4 21	12 49.51	−18 39.2	2.144	3.118	5.5	20.8
5 1	12 43.07	−17 40.8	2.178	3.112	8.3	20.9
5 11	12 38.32	−16 43.8	2.237	3.106	11.2	21.1
360846 2005 QL_3			4 6.1 200°.29	2°.5/ 9.7 18		
3 2	13 22.92	−18 36.6	3.385	4.143	9.8	22.4
3 12	13 17.99	−18 35.4	3.281	4.138	7.8	22.2
3 22	13 11.77	−18 22.7	3.202	4.132	5.6	22.1
4 1	13 4.68	−17 59.3	3.151	4.126	3.5	21.9
4 11	12 57.24	−17 27.0	3.130	4.120	2.5	21.8
4 21	12 50.03	−16 48.5	3.140	4.113	4.0	21.9
5 1	12 43.57	−16 7.4	3.179	4.105	6.3	22.1
5 11	12 38.31	−15 27.4	3.244	4.097	8.5	22.2
474990 2005 TN_{128}			4 6.1 233°.56	0°.4/ 5.6 16		
3 2	13 22.46	− 6 34.9	2.707	3.525	10.4	22.4
3 12	13 17.88	− 6 13.7	2.613	3.517	7.8	22.2
3 22	13 11.80	− 5 44.8	2.544	3.508	4.8	22.0
4 1	13 4.71	− 5 10.9	2.503	3.499	1.6	21.7
4 11	12 57.22	− 4 35.6	2.492	3.489	1.9	21.7
4 21	12 50.01	− 4 2.7	2.510	3.480	5.1	21.9
5 1	12 43.69	− 3 35.7	2.557	3.470	8.2	22.1
5 11	12 38.77	− 3 17.5	2.628	3.460	10.9	22.3
408186 2013 ED_{11}			4 6.1 15°.14	2°.1/ 7.6 18		
3 2	13 23.64	−12 44.4	1.182	2.026	19.3	20.5
3 12	13 20.37	−12 43.0	1.116	2.028	15.0	20.2
3 22	13 14.06	−12 19.8	1.069	2.032	9.9	19.9
4 1	13 5.60	−11 37.3	1.043	2.036	4.5	19.6
4 11	12 56.39	−10 42.3	1.042	2.041	2.9	19.5
4 21	12 47.95	− 9 43.9	1.064	2.047	8.1	19.9
5 1	12 41.60	− 8 52.0	1.109	2.054	13.3	20.2
5 11	12 38.18	− 8 14.2	1.173	2.061	17.8	20.4
194741 2001 YH_{20}			4 6.1 54°.15	0°.0/ 6.0 18		
3 2	13 20.01	− 8 17.2	2.821	3.636	10.1	20.5
3 12	13 15.88	− 7 58.3	2.749	3.651	7.6	20.4
3 22	13 10.46	− 7 31.7	2.703	3.665	4.7	20.2
4 1	13 4.21	− 6 59.8	2.685	3.680	1.6	20.0
4 11	12 57.73	− 6 25.9	2.696	3.695	1.5	20.0
4 21	12 51.60	− 5 53.6	2.737	3.710	4.5	20.2
5 1	12 46.36	− 5 26.1	2.805	3.725	7.3	20.4
5 11	12 42.41	− 5 6.0	2.898	3.740	9.7	20.6
212526 2006 RZ_{67}			4 6.1 109°.32	2°.2/ 8.4 18		
3 2	13 25.07	−14 31.8	2.363	3.155	12.5	20.5
3 12	13 20.01	−14 39.8	2.281	3.162	9.8	20.3
3 22	13 13.19	−14 35.3	2.223	3.170	6.7	20.1
4 1	13 5.19	−14 19.2	2.191	3.177	3.5	20.0
4 11	12 56.79	−13 54.2	2.188	3.184	2.4	19.9
4 21	12 48.79	−13 24.2	2.214	3.191	5.1	20.1
5 1	12 41.93	−12 53.7	2.268	3.198	8.3	20.3
5 11	12 36.77	−12 27.0	2.347	3.205	11.1	20.5
464802 2004 ND_6			4 6.1 299°.72	3°.4/ 8.8 17		
3 2	13 23.86	−16 25.8	1.682	2.489	16.2	21.4
3 12	13 20.21	−16 28.6	1.569	2.458	13.0	21.1
3 22	13 13.95	−16 11.4	1.477	2.426	9.2	20.8
4 1	13 5.64	−15 33.8	1.409	2.394	5.2	20.5
4 11	12 56.24	−14 38.8	1.367	2.363	3.5	20.3
4 21	12 46.98	−13 32.4	1.351	2.331	7.2	20.4
5 1	12 39.11	−12 23.2	1.360	2.299	11.8	20.6
5 11	12 33.60	−11 20.2	1.391	2.268	16.2	20.8

2020	α_{2000}	δ_{2000}	Δ	r	β	V
259218 2003 BK_{17}			4 6.1 62°.94	2°.9/ 3.8 18		
	h m	° ′			°	m
3 2	13 26.07	− 1 25.1	1.583	2.432	15.0	19.8
3 12	13 21.26	− 0 45.1	1.525	2.446	11.1	19.5
3 22	13 14.13	+ 0 2.0	1.490	2.460	6.8	19.3
4 1	13 5.52	+ 0 49.8	1.480	2.474	3.2	19.1
4 11	12 56.53	+ 1 31.3	1.498	2.488	4.5	19.3
4 21	12 48.28	+ 2 0.7	1.542	2.503	8.6	19.5
5 1	12 41.70	+ 2 14.0	1.609	2.517	12.5	19.8
5 11	12 37.40	+ 2 9.8	1.698	2.532	15.8	20.0
165485 2001 BU_{19}			4 6.1 68°.35	0°.2/ 5.9 18		
3 2	13 27.14	− 8 4.6	1.434	2.272	16.8	20.6
3 12	13 22.32	− 7 41.3	1.374	2.288	12.7	20.3
3 22	13 14.91	− 7 3.7	1.336	2.303	7.9	20.1
4 1	13 5.81	− 6 16.3	1.323	2.319	2.6	19.8
4 11	12 56.26	− 5 26.4	1.335	2.334	2.7	19.9
4 21	12 47.53	− 4 41.1	1.374	2.350	7.7	20.2
5 1	12 40.67	− 4 7.0	1.438	2.365	12.2	20.5
5 11	12 36.34	− 3 48.2	1.522	2.381	16.0	20.8
358483 2007 RU_1			4 6.1 257°.78	1°.2/ 5.1 17		
3 2	13 25.78	− 6 56.0	1.612	2.449	15.3	21.5
3 12	13 21.46	− 6 10.2	1.519	2.433	11.6	21.2
3 22	13 14.57	− 5 8.9	1.448	2.416	7.2	20.9
4 1	13 5.79	− 3 57.0	1.403	2.399	2.5	20.6
4 11	12 56.18	− 2 42.3	1.385	2.381	3.3	20.6
4 21	12 46.95	− 1 33.2	1.393	2.363	8.3	20.9
5 1	12 39.25	− 0 37.7	1.427	2.345	13.1	21.1
5 11	12 33.93	− 0 1.1	1.481	2.326	17.2	21.3
505858 2015 DV_8			4 6.1 299°.60	7°.0/29.9 17		
3 2	13 21.69	+ 7 40.5	1.701	2.562	13.5	21.1
3 12	13 18.17	+ 9 17.1	1.622	2.544	10.5	20.8
3 22	13 12.39	+10 56.5	1.567	2.526	7.8	20.6
4 1	13 5.00	+12 28.8	1.538	2.507	7.0	20.6
4 11	12 56.96	+13 44.1	1.534	2.489	8.9	20.6
4 21	12 49.32	+14 35.0	1.556	2.471	12.1	20.8
5 1	12 43.08	+14 57.5	1.599	2.454	15.5	20.9
5 11	12 38.97	+14 51.7	1.661	2.436	18.5	21.1
500736 2012 XS_{127}			4 6.1 145°.61	1°.2/ 7.8 17		
3 2	13 22.51	−13 29.8	2.925	3.714	10.4	22.8
3 12	13 17.74	−13 7.7	2.842	3.725	8.0	22.7
3 22	13 11.62	−12 34.8	2.784	3.735	5.3	22.5
4 1	13 4.62	−11 52.9	2.755	3.744	2.5	22.3
4 11	12 57.36	−11 5.3	2.755	3.753	1.6	22.3
4 21	12 50.44	−10 16.0	2.786	3.762	4.2	22.5
5 1	12 44.41	− 9 28.9	2.846	3.770	7.0	22.7
5 11	12 39.72	− 8 47.7	2.931	3.778	9.5	22.8
299925 2006 TW_{10}			4 6.1 146°.14	1°.5/ 4.5 18		
3 2	13 24.58	− 2 19.0	2.543	3.370	10.7	21.4
3 12	13 19.44	− 1 59.9	2.465	3.375	8.0	21.3
3 22	13 12.74	− 1 36.0	2.413	3.379	4.9	21.1
4 1	13 5.02	− 1 10.5	2.389	3.384	2.0	20.9
4 11	12 56.99	− 0 47.2	2.395	3.388	2.7	20.9
4 21	12 49.33	− 0 29.5	2.430	3.392	5.8	21.1
5 1	12 42.71	− 0 20.2	2.493	3.396	8.8	21.3
5 11	12 37.61	− 0 21.1	2.579	3.399	11.4	21.5
372629 2009 VC_{62}			4 6.1 113°.67	1°.5/ 4.7 18		
3 2	13 25.48	− 4 17.3	1.970	2.802	13.1	21.5
3 12	13 20.48	− 3 41.7	1.901	2.813	9.8	21.3
3 22	13 13.53	− 2 57.8	1.856	2.824	6.0	21.1
4 1	13 5.31	− 2 10.0	1.839	2.834	2.2	20.8
4 11	12 56.73	− 1 24.2	1.850	2.844	3.1	20.9
4 21	12 48.70	− 0 45.5	1.889	2.854	6.9	21.2
5 1	12 42.03	− 0 18.4	1.954	2.864	10.5	21.4
5 11	12 37.27	− 0 5.3	2.042	2.873	13.6	21.6
27755 1991 PD_{11}			4 6.1 298°.05	4°.6/ 2.5 18		
3 2	13 22.96	− 1 5.3	1.283	2.148	16.7	17.7
3 12	13 19.91	+ 0 11.0	1.195	2.125	12.6	17.4
3 22	13 13.91	+ 1 42.3	1.129	2.101	8.1	17.0
4 1	13 5.64	+ 3 19.3	1.086	2.078	4.7	16.8
4 11	12 56.31	+ 4 49.9	1.069	2.055	6.9	16.8
4 21	12 47.37	+ 6 2.3	1.075	2.032	11.9	17.0
5 1	12 40.21	+ 6 47.8	1.102	2.009	17.0	17.2
5 11	12 35.85	+ 7 2.7	1.147	1.987	21.4	17.4
79984 1999 EQ_1			4 6.1 269°.20	3°.0/ 9.0 18		
3 2	13 24.94	−16 23.1	2.248	3.035	13.2	19.1
3 12	13 20.17	−16 38.3	2.150	3.026	10.6	18.9
3 22	13 13.46	−16 39.3	2.075	3.017	7.5	18.7
4 1	13 5.35	−16 26.5	2.026	3.007	4.4	18.5
4 11	12 56.65	−16 2.0	2.005	2.998	3.1	18.4
4 21	12 48.24	−15 29.7	2.012	2.989	5.6	18.5
5 1	12 40.98	−14 54.4	2.047	2.979	8.9	18.7
5 11	12 35.51	−14 21.6	2.106	2.970	12.0	18.9

224912 2007 DH_{13} 4 6.1 2°.04 1°.7/ 7.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 21.95	−12 30.8	1.421	2.256	17.1	20.0
3 12	13 18.70	−12 22.6	1.346	2.255	13.3	19.8
3 22	13 12.85	−11 55.3	1.292	2.254	8.8	19.5
4 1	13 5.18	−11 11.5	1.262	2.254	3.9	19.2
4 11	12 56.84	−10 17.3	1.256	2.255	2.5	19.1
4 21	12 49.09	− 9 20.5	1.276	2.257	7.3	19.4
5 1	12 43.07	− 8 29.4	1.320	2.260	12.0	19.7
5 11	12 39.53	− 7 50.7	1.384	2.264	16.1	20.0

332316 2006 WE_{15} 4 6.1 13°.22 24°.9/11.0 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 28.37	−56 40.4	1.234	1.812	31.2	18.4
3 12	13 27.44	−60 26.2	1.196	1.821	30.3	18.3
3 22	13 20.80	−63 26.9	1.166	1.832	29.4	18.2
4 1	13 8.63	−65 29.9	1.144	1.847	28.3	18.2
4 11	12 53.17	−66 26.3	1.130	1.863	27.2	18.1
4 21	12 38.35	−66 14.2	1.125	1.882	26.3	18.1
5 1	12 28.18	−65 0.4	1.130	1.903	25.5	18.1
5 11	12 24.83	−62 59.3	1.145	1.926	24.9	18.2

92853 2000 QT_{202} 4 6.1 89°.71 0°.5/ 5.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 29.39	− 6 42.7	1.474	2.311	16.6	19.0
3 12	13 24.03	− 6 31.2	1.409	2.321	12.5	18.8
3 22	13 16.02	− 6 7.6	1.365	2.332	7.7	18.6
4 1	13 6.23	− 5 35.9	1.347	2.343	2.6	18.3
4 11	12 55.91	− 5 2.1	1.355	2.353	2.8	18.3
4 21	12 46.36	− 4 32.6	1.390	2.364	7.8	18.6
5 1	12 38.69	− 4 13.0	1.449	2.374	12.4	18.9
5 11	12 33.60	− 4 6.9	1.529	2.384	16.2	19.2

123540 2000 XN_{20} 4 6.1 114°.98 0°.0/ 5.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 28.74	− 7 24.2	2.215	3.027	12.6	20.4
3 12	13 22.68	− 7 17.1	2.146	3.045	9.5	20.2
3 22	13 14.80	− 7 1.3	2.101	3.063	5.9	20.0
4 1	13 5.75	− 6 39.3	2.085	3.080	2.0	19.8
4 11	12 56.38	− 6 15.1	2.098	3.097	1.9	19.8
4 21	12 47.56	− 5 52.5	2.141	3.113	5.7	20.1
5 1	12 40.05	− 5 35.3	2.212	3.129	9.1	20.3
5 11	12 34.38	− 5 26.6	2.306	3.144	12.0	20.5

497921 2006 VG_{82} 4 6.1 142°.36 0°.0/ 6.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 22.62	− 8 37.5	2.658	3.470	10.7	22.5
3 12	13 17.95	− 8 15.8	2.577	3.477	8.1	22.3
3 22	13 11.82	− 7 45.3	2.522	3.483	5.1	22.1
4 1	13 4.72	− 7 8.5	2.494	3.489	1.8	21.9
4 11	12 57.32	− 6 29.3	2.496	3.495	1.6	21.9
4 21	12 50.28	− 5 51.4	2.528	3.501	4.9	22.1
5 1	12 44.19	− 5 18.6	2.588	3.506	7.9	22.3
5 11	12 39.54	− 4 54.1	2.673	3.511	10.5	22.5

24446 2000 PR_{25} 4 6.1 215°.98 5°.2/18.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 18.24	−39 5.1	4.994	5.592	8.6	18.8
3 12	13 14.35	−39 24.1	4.888	5.589	7.7	18.7
3 22	13 9.46	−39 30.2	4.800	5.586	6.8	18.7
4 1	13 3.90	−39 22.7	4.736	5.583	5.9	18.6
4 11	12 58.09	−39 1.7	4.697	5.579	5.3	18.5
4 21	12 52.45	−38 28.6	4.684	5.576	5.2	18.5
5 1	12 47.38	−37 45.4	4.698	5.573	5.6	18.5
5 11	12 43.24	−36 55.3	4.737	5.570	6.4	18.6

149731 2004 KH_{13} 4 6.2 242°.90 5°.1/31.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 23.17	+ 3 56.6	1.943	2.794	12.5	20.4
3 12	13 18.96	+ 5 23.4	1.864	2.784	9.5	20.2
3 22	13 12.73	+ 6 55.2	1.809	2.773	6.5	20.0
4 1	13 5.10	+ 8 23.9	1.782	2.762	5.1	19.9
4 11	12 56.95	+ 9 41.1	1.783	2.751	6.7	20.0
4 21	12 49.21	+10 40.2	1.810	2.739	9.9	20.1
5 1	12 42.73	+11 16.8	1.862	2.727	13.2	20.3
5 11	12 38.15	+11 30.0	1.934	2.715	16.1	20.5

80649 2000 AF_{239} 4 6.2 157°.54 1°.5/ 4.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 26.56	− 4 54.9	2.068	2.895	12.8	20.7
3 12	13 21.25	− 4 10.4	1.994	2.903	9.6	20.5
3 22	13 14.01	− 3 16.7	1.943	2.910	5.8	20.3
4 1	13 5.51	− 2 18.4	1.921	2.916	2.1	20.1
4 11	12 56.61	− 1 21.5	1.927	2.922	3.0	20.2
4 21	12 48.22	− 0 31.6	1.963	2.927	6.8	20.4
5 1	12 41.14	+ 0 6.5	2.025	2.931	10.4	20.6
5 11	12 35.93	+ 0 30.1	2.110	2.934	13.5	20.8

340785 2006 SY_{394} 4 6.2 133°.23 3°.9/11.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 24.91	−23 20.3	3.102	3.834	11.1	22.3
3 12	13 19.55	−23 32.7	3.017	3.848	9.2	22.1
3 22	13 12.77	−23 30.9	2.955	3.863	7.0	22.0
4 1	13 5.05	−23 15.0	2.920	3.876	4.9	21.9
4 11	12 57.03	−22 46.4	2.914	3.890	3.9	21.8
4 21	12 49.35	−22 8.2	2.938	3.903	4.8	21.9
5 1	12 42.59	−21 24.3	2.991	3.915	6.7	22.0
5 11	12 37.22	−20 39.3	3.069	3.927	8.8	22.2

497267 2005 JX_{172} 4 6.2 289°.66 1°.9/ 7.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 23.62	−13 40.3	1.609	2.429	16.2	22.0
3 12	13 19.95	−13 23.2	1.509	2.409	12.7	21.8
3 22	13 13.72	−12 46.2	1.430	2.388	8.5	21.5
4 1	13 5.55	−11 50.8	1.376	2.368	3.9	21.1
4 11	12 56.48	−10 42.4	1.348	2.347	2.5	21.0
4 21	12 47.72	− 9 28.6	1.347	2.327	7.2	21.2
5 1	12 40.46	− 8 18.6	1.370	2.307	12.0	21.4
5 11	12 35.59	− 7 20.3	1.415	2.286	16.3	21.6

504204 2006 UY_{14} 4 6.2 225°.22 7°.3/28.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 28.77	+19 38.1	2.690	3.508	10.5	21.3
3 12	13 22.54	+20 22.6	2.621	3.500	8.8	21.2
3 22	13 14.67	+20 58.3	2.577	3.492	7.5	21.1
4 1	13 5.72	+21 19.5	2.560	3.483	7.4	21.1
4 11	12 56.45	+21 22.2	2.571	3.474	8.3	21.1
4 21	12 47.62	+21 4.4	2.608	3.464	10.0	21.2
5 1	12 39.91	+20 26.3	2.670	3.455	11.9	21.3
5 11	12 33.84	+19 30.1	2.752	3.445	13.7	21.5

98559 2000 WB_{11} 4 6.2 232°.10 2°.1/ 4.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 25.44	− 4 46.3	1.851	2.687	13.7	19.8
3 12	13 20.82	− 3 42.6	1.761	2.675	10.3	19.5
3 22	13 13.99	− 2 26.2	1.694	2.662	6.3	19.3
4 1	13 5.58	− 1 2.8	1.654	2.649	2.6	19.0
4 11	12 56.53	+ 0 19.6	1.642	2.634	3.9	19.0
4 21	12 47.85	+ 1 33.2	1.659	2.620	8.1	19.3
5 1	12 40.54	+ 2 31.2	1.701	2.604	12.2	19.5
5 11	12 35.29	+ 3 9.8	1.765	2.588	15.7	19.7

259296 2003 EL_{41} 4 6.2 47°.57 8°.5/30.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 26.82	+13 4.1	1.568	2.424	14.7	19.8
3 12	13 21.89	+14 15.7	1.520	2.432	11.7	19.7
3 22	13 14.56	+15 20.0	1.494	2.441	9.3	19.5
4 1	13 5.71	+16 7.6	1.492	2.450	8.6	19.5
4 11	12 56.50	+16 31.1	1.516	2.459	10.1	19.6
4 21	12 48.09	+16 27.0	1.563	2.468	12.8	19.8
5 1	12 41.43	+15 55.7	1.632	2.478	15.6	20.0
5 11	12 37.13	+15 0.4	1.719	2.488	18.2	20.2

47782 2000 EL_{18} 4 6.2 31°.87 1°.5/ 4.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 23.36	− 4 11.8	2.014	2.850	12.8	19.2
3 12	13 18.96	− 3 37.8	1.937	2.851	9.5	19.0
3 22	13 12.66	− 2 55.5	1.883	2.851	5.8	18.8
4 1	13 5.07	− 2 9.0	1.856	2.852	2.2	18.6
4 11	12 57.05	− 1 24.0	1.858	2.852	3.1	18.6
4 21	12 49.47	− 0 45.8	1.887	2.853	6.9	18.9
5 1	12 43.15	− 0 18.7	1.942	2.854	10.5	19.1
5 11	12 38.66	− 0 5.5	2.020	2.854	13.6	19.3

454234 2013 JP_{54} 4 6.2 34°.11 3°.2/ 4.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 25.07	− 2 19.1	1.180	2.046	17.9	20.8
3 12	13 21.20	− 1 37.1	1.127	2.056	13.3	20.6
3 22	13 14.42	− 0 44.9	1.094	2.067	8.2	20.3
4 1	13 5.72	+ 0 9.7	1.084	2.079	3.6	20.1
4 11	12 56.50	+ 0 57.3	1.098	2.091	5.1	20.2
4 21	12 48.20	+ 1 29.9	1.137	2.104	10.1	20.5
5 1	12 42.00	+ 1 42.5	1.197	2.118	14.7	20.8
5 11	12 38.59	+ 1 33.8	1.276	2.133	18.7	21.1

31603 1999 GQ_{3} 4 6.2 234°.96 0°.3/ 6.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 23.24	−10 56.5	2.075	2.891	13.2	18.3
3 12	13 18.96	−10 14.2	1.981	2.881	10.1	18.0
3 22	13 12.73	− 9 16.9	1.910	2.872	6.4	17.8
4 1	13 5.13	− 8 8.0	1.866	2.861	2.4	17.5
4 11	12 56.99	− 6 53.1	1.851	2.850	2.0	17.4
4 21	12 49.20	− 5 39.0	1.865	2.839	6.1	17.7
5 1	12 42.61	− 4 32.2	1.906	2.828	10.0	17.9
5 11	12 37.84	− 3 38.2	1.970	2.816	13.4	18.1

417070 2005 UM_{228} 4 6.2 78°.40 2°.1/ 4.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 25.77	− 2 57.4	1.742	2.584	14.2	21.5
3 12	13 20.92	− 2 21.5	1.678	2.595	10.5	21.3
3 22	13 13.91	− 1 37.8	1.638	2.607	6.4	21.0
4 1	13 5.50	− 0 51.3	1.623	2.618	2.6	20.8
4 11	12 56.70	− 0 8.6	1.636	2.629	3.7	20.9
4 21	12 48.53	+ 0 24.7	1.677	2.641	7.7	21.2
5 1	12 41.88	+ 0 44.5	1.742	2.652	11.6	21.4
5 11	12 37.36	+ 0 48.5	1.829	2.663	14.8	21.7

297790 2001 YG_{17} 4 6.2 96°.70 6°.5/13.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 24.10	−29 32.1	2.462	3.172	14.2	20.6
3 12	13 19.48	−29 59.3	2.375	3.179	12.2	20.4
3 22	13 12.98	−30 6.2	2.307	3.186	10.0	20.3
4 1	13 5.19	−29 51.2	2.264	3.193	7.9	20.2
4 11	12 56.94	−29 15.4	2.247	3.200	6.6	20.1
4 21	12 49.07	−28 22.2	2.256	3.207	6.9	20.1
5 1	12 42.39	−27 17.3	2.292	3.214	8.6	20.2
5 11	12 37.50	−26 7.7	2.353	3.220	10.8	20.4

239595 2008 UN_{74} 4 6.2 300°.19 4°.4/10.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 22.94	−19 55.6	1.873	2.659	15.5	19.8
3 12	13 19.16	−20 5.2	1.772	2.643	12.7	19.6
3 22	13 13.09	−19 54.6	1.692	2.627	9.4	19.4
4 1	13 5.32	−19 23.4	1.635	2.611	6.0	19.1
4 11	12 56.79	−18 33.9	1.605	2.595	4.4	19.0
4 21	12 48.55	−17 31.5	1.602	2.579	6.6	19.1
5 1	12 41.66	−16 23.6	1.625	2.564	10.3	19.3
5 11	12 36.89	−15 18.5	1.670	2.549	13.9	19.4

374567 2006 BY_{231} 4 6.2 182°.21 1°.0/ 7.1 17

3 2	13 25.67	−10 55.2	2.022	2.834	13.6	21.3
3 12	13 20.77	−10 47.6	1.937	2.835	10.5	21.1
3 22	13 13.84	−10 27.3	1.876	2.835	6.8	20.8
4 1	13 5.51	− 9 56.4	1.841	2.835	2.8	20.6
4 11	12 56.67	− 9 19.2	1.835	2.834	2.0	20.5
4 21	12 48.26	− 8 40.7	1.857	2.834	5.9	20.8
5 1	12 41.15	− 8 6.0	1.906	2.833	9.7	21.0
5 11	12 35.98	− 7 39.8	1.978	2.832	13.1	21.2

309435 2007 UC_{20} 4 6.2 49°.19 0°.2/ 5.9 18

3 2	13 27.09	− 7 39.1	1.275	2.122	18.0	20.7
3 12	13 22.55	− 7 23.4	1.220	2.138	13.5	20.5
3 22	13 15.19	− 6 52.9	1.186	2.154	8.4	20.2
4 1	13 5.98	− 6 12.4	1.175	2.171	2.8	19.9
4 11	12 56.30	− 5 29.4	1.189	2.188	2.8	20.0
4 21	12 47.53	− 4 51.3	1.228	2.205	8.2	20.3
5 1	12 40.82	− 4 24.7	1.291	2.223	13.0	20.7
5 11	12 36.85	− 4 13.7	1.374	2.241	17.0	20.9

15919 1997 UA_{22} 4 6.2 200°.33 3°.3/ 3.1 18

3 2	13 27.64	− 0 19.4	1.908	2.746	13.3	19.1
3 12	13 22.32	+ 0 38.6	1.827	2.742	9.9	18.8
3 22	13 14.84	+ 1 43.7	1.771	2.737	6.3	18.6
4 1	13 5.86	+ 2 49.6	1.742	2.732	3.4	18.4
4 11	12 56.35	+ 3 49.3	1.741	2.726	4.9	18.5
4 21	12 47.31	+ 4 36.3	1.769	2.720	8.5	18.7
5 1	12 39.66	+ 5 6.3	1.822	2.712	12.2	18.9
5 11	12 34.07	+ 5 17.2	1.897	2.704	15.4	19.1

415619 2014 QX_{360} 4 6.2 133°.70 1°.0/ 5.2 16

3 2	13 26.74	− 6 36.8	1.851	2.679	14.0	22.6
3 12	13 21.56	− 5 53.2	1.781	2.690	10.5	22.4
3 22	13 14.29	− 4 58.0	1.735	2.701	6.4	22.1
4 1	13 5.64	− 3 56.3	1.716	2.712	2.2	21.9
4 11	12 56.60	− 2 54.5	1.726	2.722	2.8	22.0
4 21	12 48.14	− 1 59.3	1.763	2.731	7.0	22.2
5 1	12 41.16	− 1 15.9	1.827	2.740	10.9	22.5
5 11	12 36.24	− 0 48.0	1.913	2.749	14.2	22.7

453329 2008 XK_{47} 4 6.2 102°.33 4°.4/ 2.9 18

3 2	13 30.29	+ 2 20.6	1.519	2.367	15.5	21.0
3 12	13 24.51	+ 3 6.2	1.463	2.382	11.6	20.8
3 22	13 16.22	+ 3 55.1	1.430	2.397	7.5	20.6
4 1	13 6.31	+ 4 40.1	1.422	2.411	4.5	20.5
4 11	12 56.02	+ 5 13.6	1.442	2.424	6.0	20.6
4 21	12 46.56	+ 5 30.5	1.487	2.438	9.8	20.8
5 1	12 38.98	+ 5 28.0	1.557	2.451	13.6	21.1
5 11	12 33.89	+ 5 6.2	1.646	2.464	16.9	21.3

508470 2016 NU_{65} 4 6.2 44°.94 7°.6/14.3 18

3 2	13 25.43	−30 31.9	2.294	3.000	15.2	21.0
3 12	13 20.72	−31 18.2	2.204	3.003	13.2	20.9
3 22	13 13.90	−31 43.4	2.135	3.006	11.0	20.7
4 1	13 5.57	−31 45.0	2.088	3.009	8.9	20.6
4 11	12 56.63	−31 22.8	2.067	3.012	7.7	20.5
4 21	12 48.06	−30 40.0	2.071	3.015	7.9	20.5
5 1	12 40.78	−29 42.1	2.101	3.018	9.5	20.6
5 11	12 35.48	−28 36.7	2.155	3.021	11.7	20.8

107883 2001 FJ_{91} 4 6.2 345°.64 1°.8/ 4.7 17

3 2	13 19.96	− 6 27.9	1.243	2.106	17.4	19.3
3 12	13 17.50	− 5 34.2	1.170	2.098	13.1	19.0
3 22	13 12.28	− 4 22.6	1.118	2.091	8.0	18.7
4 1	13 5.07	− 3 0.1	1.089	2.085	2.8	18.4
4 11	12 57.11	− 1 37.1	1.084	2.080	4.1	18.4
4 21	12 49.76	− 0 24.6	1.103	2.076	9.5	18.7
5 1	12 44.24	+ 0 28.7	1.145	2.073	14.6	19.0
5 11	12 41.37	+ 0 57.9	1.205	2.071	18.9	19.2

94163 2001 AV_{20} 4 6.2 202°.78 3°.4/10.2 18

3 2	13 23.83	−20 43.7	2.396	3.160	13.2	20.2
3 12	13 19.22	−20 25.2	2.297	3.156	10.7	20.0
3 22	13 12.81	−19 48.4	2.221	3.151	7.8	19.8
4 1	13 5.16	−18 53.9	2.172	3.146	4.8	19.6
4 11	12 57.05	−17 45.2	2.151	3.141	3.4	19.5
4 21	12 49.28	−16 27.5	2.159	3.134	5.3	19.6
5 1	12 42.62	−15 7.4	2.195	3.128	8.3	19.8
5 11	12 37.66	−13 51.4	2.257	3.121	11.3	19.9

297765 2001 XH_{142} 4 6.2 80°.76 3°.3/ 3.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 27.78	− 1 28.2	1.387	2.240	16.4	20.6
3 12	13 22.88	− 0 38.9	1.330	2.253	12.2	20.4
3 22	13 15.32	+ 0 19.0	1.295	2.266	7.6	20.2
4 1	13 6.03	+ 1 17.7	1.285	2.278	3.6	20.0
4 11	12 56.30	+ 2 8.8	1.301	2.291	5.2	20.1
4 21	12 47.40	+ 2 45.0	1.342	2.303	9.6	20.4
5 1	12 40.43	+ 3 1.9	1.407	2.316	13.8	20.7
5 11	12 36.04	+ 2 58.3	1.491	2.328	17.5	20.9

406401 2007 TU_{79} 4 6.2 170°.28 0°.3/ 5.9 17

3 2	13 26.99	− 8 47.8	2.048	2.864	13.3	22.6
3 12	13 21.67	− 8 7.1	1.967	2.869	10.1	22.4
3 22	13 14.35	− 7 13.7	1.910	2.873	6.3	22.2
4 1	13 5.69	− 6 11.6	1.880	2.876	2.1	21.9
4 11	12 56.58	− 5 6.6	1.880	2.878	2.2	21.9
4 21	12 47.96	− 4 4.9	1.909	2.880	6.4	22.2
5 1	12 40.66	− 3 12.3	1.965	2.881	10.1	22.4
5 11	12 35.29	− 2 33.0	2.045	2.881	13.4	22.6

294911 2008 DD_{29} 4 6.2 119°.39 3°.7/ 1.6 18

3 2	13 21.29	+ 3 11.5	2.441	3.284	10.5	21.0
3 12	13 17.06	+ 4 13.9	2.374	3.291	7.9	20.8
3 22	13 11.32	+ 5 18.7	2.332	3.297	5.2	20.7
4 1	13 4.61	+ 6 20.6	2.319	3.303	3.7	20.6
4 11	12 57.62	+ 7 14.1	2.335	3.309	4.9	20.7
4 21	12 51.02	+ 7 54.9	2.379	3.314	7.5	20.8
5 1	12 45.44	+ 8 20.2	2.448	3.320	10.2	21.0
5 11	12 41.35	+ 8 29.1	2.540	3.326	12.5	21.2

521226 2015 GK_{53} 4 6.2 184°.17 4°.4/31.4 17

3 2	13 22.56	+ 7 32.1	2.765	3.604	9.6	21.8
3 12	13 17.87	+ 8 30.4	2.694	3.604	7.3	21.7
3 22	13 11.78	+ 9 28.2	2.648	3.604	5.2	21.5
4 1	13 4.77	+10 20.6	2.632	3.603	4.4	21.5
4 11	12 57.47	+11 2.7	2.644	3.602	5.5	21.5
4 21	12 50.51	+11 31.3	2.685	3.601	7.6	21.7
5 1	12 44.48	+11 44.4	2.751	3.599	9.9	21.8
5 11	12 39.81	+11 41.5	2.840	3.597	12.0	22.0

177861 2005 QM_{9} 4 6.2 254°.56 1°.8/ 3.9 17

3 2	13 21.24	− 2 58.8	2.518	3.350	10.6	20.8
3 12	13 17.12	− 2 11.8	2.425	3.338	7.9	20.6
3 22	13 11.44	− 1 17.6	2.358	3.325	4.9	20.4
4 1	13 4.69	− 0 20.3	2.319	3.313	2.1	20.2
4 11	12 57.52	+ 0 35.0	2.309	3.300	3.1	20.2
4 21	12 50.64	+ 1 23.5	2.328	3.287	6.3	20.4
5 1	12 44.69	+ 2 1.3	2.375	3.274	9.4	20.6
5 11	12 40.19	+ 2 25.7	2.444	3.260	12.1	20.7

502393 2015 BK_{248} 4 6.2 140°.22 1°.6/ 4.5 17

3 2	13 24.79	− 4 29.7	2.169	2.998	12.2	22.2
3 12	13 19.84	− 3 42.8	2.097	3.008	9.1	22.0
3 22	13 13.12	− 2 47.4	2.050	3.017	5.5	21.8
4 1	13 5.25	− 1 48.3	2.031	3.026	2.1	21.6
4 11	12 57.04	− 0 51.2	2.041	3.035	3.0	21.7
4 21	12 49.31	− 0 1.3	2.080	3.043	6.6	21.9
5 1	12 42.80	+ 0 36.8	2.146	3.050	10.0	22.1
5 11	12 38.03	+ 1 0.7	2.235	3.058	12.9	22.3

316855 2000 JK_{72} 4 6.2 221°.14 8°.7/25.2 18

3 2	13 30.99	+25 8.6	2.764	3.564	10.7	20.9
3 12	13 24.31	+26 20.2	2.697	3.550	9.5	20.8
3 22	13 15.84	+27 20.7	2.655	3.535	8.7	20.8
4 1	13 6.20	+28 3.2	2.640	3.519	8.9	20.7
4 11	12 56.15	+28 23.1	2.651	3.503	9.9	20.8
4 21	12 46.52	+28 18.2	2.687	3.485	11.4	20.9
5 1	12 38.06	+27 49.0	2.745	3.467	13.1	21.0
5 11	12 31.31	+26 58.0	2.822	3.447	14.6	21.1

111405 2001 XC_{178} 4 6.2 40°.13 1°.1/ 5.0 18

3 2	13 21.67	− 5 33.9	2.032	2.868	12.7	19.9
3 12	13 17.63	− 4 59.2	1.964	2.877	9.4	19.7
3 22	13 11.80	− 4 15.2	1.919	2.887	5.8	19.5
4 1	13 4.80	− 3 26.5	1.901	2.897	2.0	19.2
4 11	12 57.46	− 2 38.4	1.912	2.908	2.7	19.3
4 21	12 50.61	− 1 56.2	1.950	2.919	6.4	19.6
5 1	12 44.99	− 1 24.4	2.014	2.930	9.9	19.8
5 11	12 41.12	− 1 5.7	2.101	2.941	12.9	20.0

142099 2002 QO_{64} 4 6.2 322°.07 1°.3/ 4.9 17

3 2	13 23.58	− 4 50.4	2.001	2.835	12.9	20.4
3 12	13 19.18	− 4 19.6	1.921	2.834	9.6	20.2
3 22	13 12.84	− 3 40.0	1.865	2.833	5.9	20.0
4 1	13 5.19	− 2 55.5	1.837	2.832	2.1	19.7
4 11	12 57.08	− 2 11.7	1.836	2.831	2.9	19.8
4 21	12 49.41	− 1 33.8	1.863	2.831	6.8	20.0
5 1	12 42.99	− 1 6.4	1.916	2.830	10.5	20.2
5 11	12 38.43	− 0 52.5	1.992	2.829	13.7	20.4

104891 2000 JA_2 4 6.2 31°.69 3°.5/ 9.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 21.73	−18 46.3	1.871	2.665	15.3	19.1
3 12	13 18.00	−18 36.3	1.793	2.671	12.2	18.9
3 22	13 12.19	−18 6.1	1.735	2.677	8.7	18.7
4 1	13 4.98	−17 17.1	1.703	2.683	5.1	18.5
4 11	12 57.29	−16 13.4	1.697	2.690	3.5	18.4
4 21	12 50.11	−15 1.8	1.718	2.697	6.0	18.6
5 1	12 44.31	−13 49.7	1.765	2.705	9.6	18.8
5 11	12 40.50	−12 44.5	1.836	2.713	12.9	19.0

169186 2001 RZ_2 4 6.2 99°.38 1°.2/ 7.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 22.65	−14 36.6	2.656	3.446	11.4	20.4
3 12	13 17.90	−13 51.0	2.589	3.472	8.7	20.3
3 22	13 11.75	−12 52.4	2.546	3.497	5.7	20.1
4 1	13 4.75	−11 43.8	2.532	3.522	2.6	19.9
4 11	12 57.56	−10 29.7	2.548	3.547	1.6	19.9
4 21	12 50.82	− 9 15.5	2.594	3.571	4.5	20.1
5 1	12 45.12	− 8 6.1	2.670	3.594	7.4	20.3
5 11	12 40.85	− 7 5.7	2.770	3.617	10.0	20.6

15369 1996 KB 4 6.2 325°.52 1°.1/ 7.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 22.79	−11 48.6	1.543	2.374	16.2	17.3
3 12	13 19.25	−11 27.1	1.460	2.367	12.5	17.0
3 22	13 13.22	−10 47.3	1.398	2.360	8.1	16.8
4 1	13 5.40	− 9 52.1	1.360	2.354	3.3	16.5
4 11	12 56.88	− 8 47.8	1.348	2.347	2.3	16.4
4 21	12 48.85	− 7 42.4	1.362	2.342	7.2	16.6
5 1	12 42.40	− 6 44.0	1.401	2.336	11.9	16.9
5 11	12 38.33	− 5 59.5	1.461	2.331	15.9	17.1

501958 2014 YY_{10} 4 6.2 77°.83 7°.5/13.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 27.09	−28 14.3	1.826	2.563	17.6	21.0
3 12	13 22.24	−28 49.0	1.753	2.578	15.0	20.8
3 22	13 14.94	−28 58.3	1.698	2.593	12.0	20.6
4 1	13 5.95	−28 39.7	1.667	2.608	9.2	20.5
4 11	12 56.41	−27 55.0	1.660	2.623	7.6	20.4
4 21	12 47.49	−26 49.3	1.679	2.638	8.2	20.5
5 1	12 40.25	−25 31.1	1.723	2.653	10.4	20.7
5 11	12 35.38	−24 10.0	1.791	2.667	13.2	20.9

343686 2011 BP_{88} 4 6.2 332°.78 10°.1/11.8 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 22.29	−24 36.0	1.328	2.119	20.5	20.5
3 12	13 19.92	−26 8.3	1.228	2.091	17.7	20.2
3 22	13 14.33	−27 19.4	1.147	2.064	14.6	19.9
4 1	13 6.01	−28 2.6	1.085	2.038	11.6	19.6
4 11	12 56.14	−28 13.6	1.044	2.013	10.1	19.5
4 21	12 46.34	−27 53.4	1.026	1.991	11.3	19.4
5 1	12 38.34	−27 8.8	1.028	1.969	14.5	19.5
5 11	12 33.51	−26 11.4	1.049	1.950	18.4	19.7

72574 2001 EJ_{16} 4 6.2 274°.77 0°.0/ 6.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 27.39	− 6 33.2	1.988	2.812	13.4	19.0
3 12	13 22.16	− 6 36.0	1.899	2.805	10.2	18.8
3 22	13 14.79	− 6 30.1	1.834	2.798	6.4	18.5
4 1	13 5.91	− 6 18.1	1.795	2.791	2.2	18.3
4 11	12 56.43	− 6 3.5	1.785	2.784	2.1	18.2
4 21	12 47.33	− 5 50.5	1.803	2.777	6.4	18.5
5 1	12 39.54	− 5 43.1	1.848	2.770	10.3	18.7
5 11	12 33.76	− 5 44.5	1.916	2.763	13.7	18.9

332794 2009 WB_{38} 4 6.2 260°.13 3°.4/ 9.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 25.04	−18 13.3	2.064	2.848	14.4	21.5
3 12	13 20.55	−18 9.7	1.956	2.829	11.6	21.2
3 22	13 13.90	−17 47.7	1.870	2.810	8.3	21.0
4 1	13 5.64	−17 7.5	1.810	2.790	4.9	20.7
4 11	12 56.64	−16 12.0	1.777	2.770	3.4	20.6
4 21	12 47.89	−15 6.6	1.772	2.750	6.1	20.7
5 1	12 40.36	−13 58.2	1.794	2.729	9.8	20.9
5 11	12 34.80	−12 54.2	1.841	2.707	13.3	21.1

294541 2007 XR_{59} 4 6.2 152°.59 5°.8/29.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 21.85	+11 8.2	2.495	3.339	10.3	21.2
3 12	13 17.48	+12 24.3	2.435	3.343	8.1	21.0
3 22	13 11.60	+13 37.6	2.400	3.347	6.3	20.9
4 1	13 4.73	+14 41.7	2.393	3.350	5.9	20.9
4 11	12 57.57	+15 31.2	2.415	3.353	7.1	21.0
4 21	12 50.82	+16 2.4	2.462	3.356	9.2	21.1
5 1	12 45.09	+16 13.8	2.534	3.358	11.4	21.3
5 11	12 40.86	+16 6.0	2.626	3.361	13.4	21.4

212858 2007 VM_{85} 4 6.2 221°.32 2°.9/ 8.5 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 28.67	−15 17.4	1.804	2.602	15.6	21.0
3 12	13 23.46	−15 23.9	1.711	2.595	12.3	20.8
3 22	13 15.79	−15 13.2	1.639	2.587	8.5	20.5
4 1	13 6.30	−14 45.8	1.593	2.579	4.6	20.3
4 11	12 56.05	−14 5.1	1.574	2.571	3.1	20.1
4 21	12 46.19	−13 16.5	1.583	2.561	6.6	20.3
5 1	12 37.84	−12 27.2	1.619	2.552	10.8	20.6
5 11	12 31.78	−11 44.0	1.677	2.541	14.5	20.8

242173 2003 GT_{55} 4 6.2 11°.12 1°.8/ 7.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 19.71	−13 33.6	1.050	1.904	20.4	20.2
3 12	13 17.70	−13 8.5	0.987	1.906	15.8	19.9
3 22	13 12.56	−12 16.3	0.943	1.909	10.4	19.6
4 1	13 5.21	−11 1.0	0.920	1.913	4.5	19.3
4 11	12 57.12	− 9 32.6	0.919	1.919	2.9	19.2
4 21	12 49.84	− 8 3.6	0.941	1.926	8.6	19.6
5 1	12 44.72	− 6 46.4	0.985	1.934	14.1	19.9
5 11	12 42.59	− 5 49.9	1.047	1.943	18.9	20.2

306984 2001 VZ_{112} 4 6.2 150°.64 2°.3/ 3.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 24.07	+ 1 7.8	2.953	3.780	9.4	21.6
3 12	13 18.86	+ 1 40.0	2.880	3.790	6.9	21.4
3 22	13 12.34	+ 2 14.7	2.834	3.798	4.4	21.2
4 1	13 4.97	+ 2 48.4	2.817	3.806	2.4	21.1
4 11	12 57.36	+ 3 17.4	2.830	3.814	3.3	21.2
4 21	12 50.10	+ 3 38.8	2.874	3.821	5.8	21.4
5 1	12 43.74	+ 3 50.2	2.944	3.828	8.3	21.5
5 11	12 38.69	+ 3 50.7	3.039	3.834	10.5	21.7

407772 2011 WS_{110} 4 6.2 241°.89 0°.5/ 6.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 26.11	−10 50.0	1.650	2.474	15.7	21.8
3 12	13 21.67	−10 18.5	1.559	2.463	12.0	21.5
3 22	13 14.72	− 9 29.4	1.490	2.452	7.7	21.3
4 1	13 5.94	− 8 26.0	1.446	2.441	2.9	20.9
4 11	12 56.39	− 7 14.8	1.429	2.429	2.3	20.9
4 21	12 47.27	− 6 3.7	1.440	2.416	7.3	21.1
5 1	12 39.68	− 5 1.0	1.476	2.403	12.0	21.4
5 11	12 34.45	− 4 13.2	1.534	2.390	16.1	21.6

502935 2015 EL_{39} 4 6.2 270°.47 0°.6/ 5.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 24.87	− 6 24.5	1.963	2.792	13.3	21.6
3 12	13 20.24	− 6 5.9	1.879	2.788	10.0	21.3
3 22	13 13.57	− 5 37.5	1.818	2.784	6.2	21.1
4 1	13 5.48	− 5 2.6	1.784	2.780	2.1	20.8
4 11	12 56.86	− 4 26.2	1.778	2.776	2.4	20.8
4 21	12 48.66	− 3 53.3	1.800	2.772	6.6	21.1
5 1	12 41.76	− 3 28.6	1.848	2.768	10.4	21.3
5 11	12 36.79	− 3 15.7	1.919	2.764	13.8	21.5

473163 2015 KA_{31} 4 6.2 248°.57 0°.7/ 6.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 22.73	−10 33.0	2.453	3.262	11.6	21.9
3 12	13 18.32	−10 16.0	2.356	3.253	8.9	21.7
3 22	13 12.24	− 9 48.0	2.285	3.243	5.7	21.5
4 1	13 5.00	− 9 11.2	2.240	3.234	2.3	21.3
4 11	12 57.31	− 8 29.4	2.225	3.224	1.6	21.2
4 21	12 49.90	− 7 46.9	2.239	3.214	5.2	21.4
5 1	12 43.50	− 7 8.1	2.280	3.204	8.5	21.6
5 11	12 38.64	− 6 37.3	2.346	3.194	11.5	21.8

328350 2008 LU_2 4 6.2 36°.36 8°.9/30.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 29.06	+14 36.5	1.598	2.448	14.8	20.3
3 12	13 23.63	+15 37.7	1.544	2.451	12.0	20.1
3 22	13 15.72	+16 30.3	1.512	2.454	9.6	20.0
4 1	13 6.20	+17 5.1	1.504	2.458	8.9	19.9
4 11	12 56.27	+17 14.9	1.522	2.461	10.3	20.0
4 21	12 47.12	+16 57.0	1.564	2.465	13.0	20.2
5 1	12 39.76	+16 11.9	1.627	2.469	15.9	20.4
5 11	12 34.83	+15 3.5	1.709	2.473	18.5	20.6

357092 2001 SG_{320} 4 6.2 81°.44 1°.2/ 5.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 30.92	− 5 24.8	1.381	2.222	17.2	20.9
3 12	13 25.19	− 5 3.1	1.327	2.242	12.9	20.7
3 22	13 16.74	− 4 29.9	1.295	2.263	7.9	20.5
4 1	13 6.55	− 3 50.5	1.287	2.284	2.7	20.2
4 11	12 55.98	− 3 11.9	1.307	2.304	3.3	20.3
4 21	12 46.37	− 2 40.9	1.352	2.324	8.3	20.7
5 1	12 38.80	− 2 22.7	1.422	2.344	12.8	21.0
5 11	12 33.93	− 2 20.0	1.512	2.363	16.5	21.3

505787 2015 BS_{296} 4 6.2 322°.55 7°.2/13.0 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 21.34	−26 57.5	1.708	2.467	17.9	20.7
3 12	13 18.27	−27 15.6	1.612	2.455	15.2	20.4
3 22	13 12.69	−27 6.7	1.534	2.443	12.1	20.2
4 1	13 5.27	−26 28.2	1.479	2.432	9.1	20.0
4 11	12 57.04	−25 21.6	1.447	2.421	7.3	19.9
4 21	12 49.21	−23 52.5	1.441	2.410	8.1	19.9
5 1	12 42.91	−22 10.6	1.459	2.400	11.0	20.0
5 11	12 38.99	−20 27.1	1.500	2.391	14.4	20.2

13129 Poseidonios 4 6.2 267°.51 3°.8/ 2.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 22.71	+ 1 5.4	1.953	2.801	12.6	18.7
3 12	13 18.63	+ 2 11.2	1.871	2.791	9.4	18.5
3 22	13 12.58	+ 3 23.3	1.814	2.781	6.1	18.3
4 1	13 5.16	+ 4 35.2	1.784	2.772	3.9	18.1
4 11	12 57.22	+ 5 39.3	1.782	2.762	5.4	18.2
4 21	12 49.68	+ 6 29.5	1.806	2.752	8.8	18.4
5 1	12 43.38	+ 7 1.4	1.856	2.742	12.2	18.6
5 11	12 38.96	+ 7 13.1	1.926	2.732	15.3	18.7

248361 2005 QV_{160} 4 6.2 227°.34 0°.0/ 5.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 24.25	− 7 26.9	2.582	3.396	11.0	20.6
3 12	13 19.33	− 7 18.9	2.490	3.391	8.3	20.4
3 22	13 12.82	− 7 3.0	2.423	3.385	5.2	20.2
4 1	13 5.21	− 6 41.5	2.385	3.380	1.8	20.0
4 11	12 57.18	− 6 17.7	2.375	3.374	1.7	19.9
4 21	12 49.46	− 5 54.9	2.396	3.368	5.1	20.2
5 1	12 42.70	− 5 36.7	2.444	3.362	8.3	20.3
5 11	12 37.45	− 5 25.9	2.516	3.355	11.1	20.5

504948 2011 EO_{33} 4 6.2 45°.49 7°.1/28.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 20.33	+ 5 49.9	1.687	2.550	13.5	20.3
3 12	13 17.01	+ 8 27.0	1.631	2.555	10.3	20.2
3 22	13 11.60	+11 8.0	1.601	2.560	7.7	20.0
4 1	13 4.81	+13 39.9	1.600	2.565	7.3	20.0
4 11	12 57.59	+15 50.5	1.626	2.570	9.4	20.1
4 21	12 50.93	+17 31.2	1.677	2.576	12.4	20.3
5 1	12 45.69	+18 38.2	1.751	2.581	15.4	20.5
5 11	12 42.45	+19 12.1	1.842	2.587	18.0	20.7

316839 2000 DS_{9} 4 6.2 137°.74 0°.4/ 6.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 23.90	− 9 59.5	2.176	2.991	12.7	21.2
3 12	13 19.29	− 9 38.0	2.096	2.996	9.6	21.0
3 22	13 12.87	− 9 4.6	2.039	3.000	6.1	20.8
4 1	13 5.24	− 8 22.4	2.009	3.004	2.3	20.6
4 11	12 57.20	− 7 35.7	2.008	3.008	1.8	20.5
4 21	12 49.58	− 6 49.8	2.036	3.011	5.6	20.8
5 1	12 43.15	− 6 9.5	2.091	3.015	9.2	21.0
5 11	12 38.47	− 5 38.9	2.169	3.018	12.3	21.2

78871 2003 QS_{95} 4 6.2 205°.10 1°.3/ 7.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 25.69	−12 12.4	2.387	3.186	12.2	20.2
3 12	13 20.58	−12 6.8	2.294	3.182	9.4	20.0
3 22	13 13.68	−11 49.6	2.224	3.178	6.2	19.8
4 1	13 5.53	−11 22.1	2.182	3.173	2.8	19.6
4 11	12 56.91	−10 47.8	2.169	3.168	1.9	19.5
4 21	12 48.60	−10 10.7	2.186	3.162	5.2	19.7
5 1	12 41.39	− 9 35.5	2.230	3.156	8.6	19.9
5 11	12 35.85	− 9 6.5	2.299	3.149	11.6	20.1

295715 2008 UM_{34} 4 6.2 188°.12 0°.5/ 5.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 23.00	− 7 57.8	2.216	3.038	12.2	21.3
3 12	13 18.61	− 7 17.5	2.132	3.038	9.2	21.1
3 22	13 12.45	− 6 25.9	2.073	3.037	5.7	20.9
4 1	13 5.09	− 5 27.0	2.041	3.036	1.9	20.6
4 11	12 57.33	− 4 25.9	2.038	3.035	2.2	20.6
4 21	12 49.95	− 3 28.5	2.063	3.034	6.0	20.9
5 1	12 43.71	− 2 39.7	2.116	3.032	9.5	21.1
5 11	12 39.15	− 2 3.5	2.192	3.030	12.6	21.3

135268 Haignere 4 6.2 138°.34 0°.0/ 5.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 23.06	− 8 38.2	3.012	3.817	9.8	20.6
3 12	13 18.12	− 8 11.1	2.935	3.831	7.3	20.5
3 22	13 11.90	− 7 36.1	2.884	3.844	4.6	20.3
4 1	13 4.85	− 6 55.8	2.862	3.857	1.6	20.1
4 11	12 57.58	− 6 13.4	2.871	3.869	1.5	20.1
4 21	12 50.64	− 5 32.6	2.910	3.881	4.4	20.4
5 1	12 44.58	− 4 56.8	2.978	3.892	7.1	20.5
5 11	12 39.80	− 4 28.6	3.071	3.903	9.5	20.7

502830 2015 DS_{149} 4 6.2 43°.29 2°.7/ 8.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 23.90	−15 49.3	1.775	2.580	15.5	21.2
3 12	13 19.76	−15 41.8	1.695	2.584	12.2	20.9
3 22	13 13.38	−15 15.7	1.637	2.587	8.4	20.7
4 1	13 5.46	−14 32.6	1.604	2.591	4.4	20.5
4 11	12 57.00	−13 37.0	1.598	2.594	2.9	20.4
4 21	12 49.04	−12 35.6	1.618	2.598	6.2	20.6
5 1	12 42.56	−11 35.7	1.665	2.602	10.2	20.8
5 11	12 38.22	−10 43.9	1.734	2.606	13.8	21.1

472983 2015 HV_{12} 4 6.2 333°.48 0°.0/ 6.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 21.76	− 9 0.3	1.914	2.743	13.6	20.9
3 12	13 18.00	− 8 36.0	1.829	2.737	10.3	20.7
3 22	13 12.23	− 7 58.9	1.766	2.731	6.5	20.4
4 1	13 5.06	− 7 12.4	1.730	2.725	2.3	20.1
4 11	12 57.36	− 6 21.6	1.721	2.720	2.1	20.1
4 21	12 50.06	− 5 32.6	1.739	2.715	6.4	20.4
5 1	12 44.03	− 4 51.1	1.783	2.710	10.3	20.6
5 11	12 39.90	− 4 21.5	1.850	2.706	13.8	20.8

408794 2000 GG_{186} 4 6.2 259°.48 2°.3/ 4.4 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 30.37	− 2 37.4	1.785	2.618	14.3	21.8
3 12	13 24.88	− 2 6.6	1.681	2.593	10.9	21.5
3 22	13 16.81	− 1 26.6	1.600	2.567	6.8	21.2
4 1	13 6.75	− 0 42.1	1.545	2.540	2.8	20.9
4 11	12 55.73	+ 0 0.5	1.519	2.512	4.0	20.9
4 21	12 44.93	+ 0 35.0	1.521	2.484	8.5	21.1
5 1	12 35.54	+ 0 55.7	1.549	2.454	13.0	21.3
5 11	12 28.46	+ 0 59.3	1.598	2.424	17.0	21.4

83272 2001 RT_{80} 4 6.2 176°.35 0°.2/ 5.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 22.16	− 8 21.8	2.524	3.340	11.1	19.6
3 12	13 17.77	− 7 46.3	2.439	3.341	8.4	19.4
3 22	13 11.84	− 7 1.0	2.379	3.342	5.2	19.2
4 1	13 4.88	− 6 9.0	2.347	3.343	1.8	19.0
4 11	12 57.57	− 5 14.8	2.345	3.343	1.8	19.0
4 21	12 50.61	− 4 23.0	2.372	3.343	5.3	19.2
5 1	12 44.63	− 3 38.1	2.427	3.343	8.4	19.4
5 11	12 40.13	− 3 3.5	2.506	3.343	11.2	19.6

184788 2005 TL_{55} 4 6.2 230°.17 1°.3/ 4.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 22.53	− 3 34.2	2.829	3.652	9.8	21.1
3 12	13 17.93	− 3 5.9	2.735	3.643	7.3	20.9
3 22	13 11.90	− 2 31.8	2.667	3.633	4.5	20.7
4 1	13 4.91	− 1 54.9	2.628	3.623	1.7	20.5
4 11	12 57.54	− 1 19.0	2.618	3.612	2.4	20.5
4 21	12 50.43	− 0 47.7	2.639	3.601	5.4	20.7
5 1	12 44.18	− 0 24.2	2.687	3.590	8.2	20.9
5 11	12 39.25	− 0 10.7	2.759	3.578	10.8	21.1

57405 2001 RS_{109} 4 6.2 104°.88 1°.6/ 7.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 28.46	−11 51.2	1.839	2.649	14.9	20.2
3 12	13 22.99	−11 53.4	1.767	2.661	11.5	20.0
3 22	13 15.29	−11 41.8	1.717	2.673	7.5	19.8
4 1	13 6.11	−11 18.2	1.694	2.685	3.3	19.5
4 11	12 56.46	−10 46.7	1.698	2.697	2.2	19.5
4 21	12 47.41	−10 12.4	1.731	2.708	6.2	19.7
5 1	12 39.88	− 9 41.0	1.790	2.719	10.1	20.0
5 11	12 34.53	− 9 17.3	1.872	2.730	13.5	20.2

225521 2000 QP_{223} 4 6.2 220°.97 2°.2/ 3.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 24.79	− 2 36.3	2.217	3.049	11.9	21.4
3 12	13 19.99	− 1 47.8	2.128	3.041	8.9	21.2
3 22	13 13.36	− 0 51.5	2.064	3.031	5.5	20.9
4 1	13 5.45	+ 0 7.9	2.028	3.022	2.5	20.7
4 11	12 57.05	+ 1 4.5	2.021	3.011	3.6	20.8
4 21	12 49.00	+ 1 52.9	2.043	3.001	7.1	21.0
5 1	12 42.08	+ 2 28.7	2.091	2.989	10.5	21.1
5 11	12 36.88	+ 2 49.2	2.163	2.977	13.5	21.3

57020 2000 TX_{58} 4 6.2 328°.32 7°.4/29.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 20.43	+ 7 15.5	1.534	2.402	14.3	17.9
3 12	13 17.40	+ 9 3.6	1.466	2.392	11.1	17.7
3 22	13 12.04	+10 54.6	1.422	2.382	8.3	17.5
4 1	13 5.03	+12 37.2	1.403	2.373	7.5	17.5
4 11	12 57.44	+14 0.2	1.409	2.364	9.5	17.5
4 21	12 50.36	+14 55.9	1.439	2.356	12.8	17.7
5 1	12 44.80	+15 20.5	1.490	2.348	16.2	17.9
5 11	12 41.48	+15 14.6	1.558	2.341	19.2	18.1

387499 1996 VF_{28} 4 6.2 150°.26 4°.7/31.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 23.31	+ 7 48.7	2.537	3.377	10.3	21.5
3 12	13 18.54	+ 8 46.4	2.472	3.383	7.9	21.4
3 22	13 12.26	+ 9 43.1	2.433	3.388	5.6	21.2
4 1	13 5.02	+10 33.4	2.422	3.393	4.7	21.2
4 11	12 57.49	+11 12.3	2.440	3.398	5.8	21.3
4 21	12 50.37	+11 36.5	2.486	3.403	8.1	21.4
5 1	12 44.28	+11 44.0	2.557	3.407	10.5	21.6
5 11	12 39.69	+11 34.9	2.649	3.411	12.7	21.7

497741 2006 SR_{215} 4 6.2 273°.20 1°.4/ 4.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 25.68	− 5 48.6	1.724	2.560	14.6	22.4
3 12	13 21.37	− 5 8.1	1.624	2.537	11.0	22.2
3 22	13 14.60	− 4 14.1	1.546	2.514	6.9	21.9
4 1	13 5.98	− 3 11.2	1.494	2.490	2.4	21.5
4 11	12 56.50	− 2 6.4	1.470	2.465	3.4	21.5
4 21	12 47.30	− 1 7.2	1.472	2.441	8.1	21.7
5 1	12 39.48	− 0 20.9	1.500	2.416	12.7	21.9
5 11	12 33.90	+ 0 7.9	1.549	2.390	16.7	22.1

279054 2008 VD_{77} 4 6.2 219°.27 4°.4/ 1.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 24.33	+ 4 26.1	2.115	2.960	11.9	21.0
3 12	13 19.65	+ 5 20.2	2.041	2.957	9.0	20.8
3 22	13 13.13	+ 6 16.2	1.991	2.954	6.0	20.6
4 1	13 5.36	+ 7 8.2	1.968	2.951	4.4	20.5
4 11	12 57.17	+ 7 50.0	1.974	2.947	5.7	20.6
4 21	12 49.41	+ 8 17.2	2.007	2.943	8.6	20.7
5 1	12 42.85	+ 8 26.9	2.065	2.939	11.7	20.9
5 11	12 38.08	+ 8 18.5	2.144	2.935	14.4	21.1

239906 2000 SQ_{161} 4 6.2 213°.76 3°.7/31.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 21.77	+ 6 20.9	3.187	4.022	8.6	21.4
3 12	13 17.20	+ 7 20.5	3.103	4.013	6.5	21.3
3 22	13 11.38	+ 8 20.8	3.046	4.003	4.6	21.1
4 1	13 4.73	+ 9 17.4	3.019	3.993	3.7	21.1
4 11	12 57.78	+10 6.1	3.021	3.982	4.7	21.1
4 21	12 51.07	+10 43.5	3.053	3.970	6.8	21.2
5 1	12 45.11	+11 7.4	3.111	3.958	8.9	21.4
5 11	12 40.34	+11 16.9	3.192	3.945	10.9	21.5

272753 2005 YD_{142} 4 6.2 96°.98 0°.0/ 5.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 26.89	− 8 36.7	2.028	2.846	13.4	21.7
3 12	13 21.48	− 8 10.1	1.966	2.868	10.1	21.5
3 22	13 14.18	− 7 32.4	1.928	2.890	6.3	21.3
4 1	13 5.70	− 6 47.3	1.917	2.912	2.2	21.1
4 11	12 56.94	− 5 59.9	1.935	2.933	2.0	21.1
4 21	12 48.79	− 5 15.5	1.981	2.954	6.0	21.4
5 1	12 42.02	− 4 38.9	2.055	2.975	9.6	21.7
5 11	12 37.15	− 4 13.6	2.152	2.994	12.6	21.9

471408 2011 SN_{222} 4 6.2 320°.42 2°.7/ 8.5 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 26.98	−13 59.8	2.166	2.961	13.4	20.9
3 12	13 21.84	−14 31.5	2.072	2.954	10.6	20.7
3 22	13 14.63	−14 51.6	2.000	2.947	7.3	20.5
4 1	13 5.95	−14 59.9	1.955	2.940	4.1	20.3
4 11	12 56.63	−14 58.2	1.939	2.933	2.9	20.2
4 21	12 47.62	−14 49.3	1.950	2.927	5.7	20.3
5 1	12 39.81	−14 37.5	1.989	2.921	9.2	20.5
5 11	12 33.88	−14 27.3	2.052	2.915	12.3	20.7

461695 2005 QA_{126} 4 6.2 263°.97 1°.6/ 4.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 24.15	− 5 29.2	1.782	2.619	14.1	21.5
3 12	13 20.00	− 4 43.1	1.693	2.608	10.6	21.3
3 22	13 13.60	− 3 44.6	1.627	2.596	6.5	21.0
4 1	13 5.61	− 2 38.9	1.588	2.584	2.4	20.7
4 11	12 56.97	− 1 32.9	1.577	2.572	3.4	20.8
4 21	12 48.73	− 0 34.0	1.592	2.559	7.8	21.0
5 1	12 41.86	+ 0 11.7	1.633	2.547	11.9	21.2
5 11	12 37.08	+ 0 39.9	1.695	2.534	15.6	21.4

53439 1999 WA_{10} 4 6.2 113°.58 8°.5/29.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 29.19	+14 35.1	1.773	2.617	13.8	18.2
3 12	13 23.43	+15 56.5	1.729	2.632	11.1	18.1
3 22	13 15.48	+17 9.7	1.708	2.647	9.1	18.0
4 1	13 6.16	+18 5.7	1.714	2.660	8.6	18.0
4 11	12 56.57	+18 37.7	1.745	2.674	10.0	18.1
4 21	12 47.75	+18 42.5	1.800	2.687	12.3	18.3
5 1	12 40.60	+18 20.7	1.878	2.700	14.9	18.5
5 11	12 35.65	+17 35.4	1.974	2.712	17.1	18.7

87355 2000 QC_{36} 4 6.2 140°.83 0°.9/ 7.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 24.62	−11 35.6	1.886	2.703	14.3	19.5
3 12	13 20.14	−11 11.3	1.807	2.706	11.0	19.3
3 22	13 13.56	−10 32.1	1.749	2.709	7.1	19.1
4 1	13 5.55	− 9 40.7	1.718	2.712	2.9	18.8
4 11	12 57.06	− 8 42.7	1.715	2.715	2.0	18.8
4 21	12 49.05	− 7 44.4	1.740	2.717	6.2	19.1
5 1	12 42.42	− 6 52.1	1.791	2.720	10.2	19.3
5 11	12 37.79	− 6 11.1	1.865	2.722	13.6	19.5

454152 2013 EG_{76} 4 6.2 126°.86 2°.7/ 3.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 27.60	− 3 21.8	1.602	2.444	15.2	21.5
3 12	13 22.52	− 2 18.9	1.538	2.456	11.3	21.3
3 22	13 15.07	− 1 5.5	1.498	2.467	6.9	21.1
4 1	13 6.07	+ 0 11.2	1.485	2.479	3.1	20.8
4 11	12 56.64	+ 1 22.5	1.499	2.489	4.5	21.0
4 21	12 47.92	+ 2 21.0	1.539	2.499	8.7	21.2
5 1	12 40.88	+ 3 1.1	1.605	2.509	12.7	21.5
5 11	12 36.16	+ 3 20.7	1.691	2.518	16.2	21.7

312999 1999 TU_{255} 4 6.2 158°.72 0°.2/ 6.4 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 27.52	− 9 30.2	1.930	2.746	14.0	22.0
3 12	13 22.23	− 9 3.3	1.851	2.752	10.6	21.8
3 22	13 14.83	− 8 23.3	1.796	2.758	6.7	21.6
4 1	13 5.99	− 7 33.6	1.768	2.763	2.4	21.3
4 11	12 56.69	− 6 39.6	1.769	2.768	2.1	21.3
4 21	12 47.90	− 5 47.4	1.798	2.772	6.4	21.6
5 1	12 40.53	− 5 2.9	1.854	2.775	10.3	21.8
5 11	12 35.20	− 4 30.3	1.932	2.778	13.7	22.0

230095 2000 XJ_{41} 4 6.2 200°.39 0°.6/ 6.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 28.03	− 9 37.0	2.544	3.344	11.5	21.1
3 12	13 22.24	− 9 32.7	2.448	3.339	8.8	20.9
3 22	13 14.70	− 9 19.2	2.377	3.334	5.7	20.6
4 1	13 5.95	− 8 58.1	2.335	3.328	2.2	20.4
4 11	12 56.72	− 8 32.5	2.323	3.322	1.6	20.3
4 21	12 47.80	− 8 5.9	2.341	3.315	5.1	20.6
5 1	12 39.92	− 7 42.4	2.388	3.307	8.4	20.8
5 11	12 33.67	− 7 25.3	2.460	3.299	11.3	20.9

73613 2213 T-3 4 6.2 118°.94 2°.2/ 8.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 25.97	−15 13.4	1.686	2.493	16.1	19.8
3 12	13 21.36	−14 50.5	1.611	2.502	12.6	19.6
3 22	13 14.41	−14 7.7	1.558	2.511	8.4	19.3
4 1	13 5.87	−13 7.6	1.530	2.519	4.1	19.1
4 11	12 56.82	−11 56.1	1.529	2.528	2.6	19.0
4 21	12 48.37	−10 40.9	1.556	2.535	6.5	19.3
5 1	12 41.53	− 9 30.3	1.608	2.543	10.7	19.5
5 11	12 36.96	− 8 31.3	1.684	2.550	14.4	19.8

500671 2012 VJ_{42} 4 6.2 162°.05 3°.5/ 1.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 24.05	+ 5 25.9	2.866	3.700	9.4	22.0
3 12	13 18.94	+ 6 8.3	2.795	3.705	7.1	21.8
3 22	13 12.47	+ 6 50.9	2.751	3.710	4.8	21.7
4 1	13 5.12	+ 7 29.5	2.736	3.715	3.6	21.6
4 11	12 57.52	+ 8 0.1	2.750	3.719	4.6	21.6
4 21	12 50.27	+ 8 19.7	2.793	3.723	6.8	21.8
5 1	12 43.93	+ 8 26.4	2.863	3.726	9.1	22.0
5 11	12 38.95	+ 8 19.7	2.957	3.729	11.2	22.1

19046 7607 P–L 4 6.2 91°.07 2°.3/ 4.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 28.92	− 3 40.4	1.561	2.401	15.6	19.3
3 12	13 23.42	− 2 51.7	1.508	2.424	11.5	19.1
3 22	13 15.56	− 1 53.6	1.478	2.446	7.0	18.9
4 1	13 6.22	− 0 52.5	1.474	2.468	2.8	18.7
4 11	12 56.57	+ 0 3.7	1.497	2.490	4.0	18.8
4 21	12 47.76	+ 0 48.4	1.547	2.511	8.3	19.1
5 1	12 40.73	+ 1 17.0	1.622	2.532	12.3	19.4
5 11	12 36.08	+ 1 27.4	1.718	2.552	15.7	19.7

70697 1999 UR_{26} 4 6.2 287°.01 0°.1/ 6.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 28.38	− 7 4.6	1.885	2.708	14.0	19.0
3 12	13 23.20	− 7 13.9	1.786	2.690	10.8	18.8
3 22	13 15.67	− 7 14.2	1.710	2.673	6.8	18.5
4 1	13 6.38	− 7 7.4	1.660	2.655	2.5	18.2
4 11	12 56.29	− 6 57.1	1.639	2.638	2.2	18.1
4 21	12 46.48	− 6 47.2	1.645	2.620	6.7	18.4
5 1	12 38.01	− 6 42.1	1.678	2.602	11.0	18.6
5 11	12 31.68	− 6 45.7	1.733	2.585	14.7	18.8

438033 2004 GY_{48} 4 6.2 342°.56 0°.0/ 5.9 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 22.10	− 8 17.5	1.942	2.771	13.4	21.5
3 12	13 18.23	− 7 57.2	1.858	2.767	10.2	21.3
3 22	13 12.39	− 7 25.1	1.797	2.762	6.4	21.1
4 1	13 5.17	− 6 44.7	1.763	2.758	2.2	20.8
4 11	12 57.45	− 6 0.8	1.756	2.755	2.1	20.8
4 21	12 50.12	− 5 19.1	1.776	2.751	6.3	21.0
5 1	12 44.05	− 4 44.7	1.823	2.749	10.2	21.3
5 11	12 39.86	− 4 21.8	1.892	2.746	13.6	21.5

210731 2000 TZ_{16} 4 6.2 206°.92 0°.9/ 5.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 24.33	− 4 23.9	2.687	3.507	10.4	20.8
3 12	13 19.34	− 4 7.4	2.598	3.503	7.8	20.6
3 22	13 12.82	− 3 44.9	2.534	3.499	4.8	20.4
4 1	13 5.28	− 3 19.2	2.499	3.495	1.7	20.2
4 11	12 57.37	− 2 53.8	2.495	3.490	2.2	20.2
4 21	12 49.76	− 2 32.1	2.519	3.486	5.3	20.5
5 1	12 43.08	− 2 17.1	2.572	3.481	8.3	20.6
5 11	12 37.84	− 2 11.1	2.649	3.475	11.0	20.8

333123 2011 WW_{48} 4 6.2 107°.90 0°.5/ 6.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 25.01	−11 56.0	1.565	2.391	16.3	20.7
3 12	13 20.74	−11 6.9	1.494	2.400	12.4	20.5
3 22	13 14.06	− 9 58.5	1.446	2.409	7.9	20.3
4 1	13 5.76	− 8 35.5	1.423	2.417	2.9	20.0
4 11	12 56.97	− 7 6.1	1.426	2.426	2.3	20.0
4 21	12 48.84	− 5 39.6	1.457	2.434	7.2	20.3
5 1	12 42.37	− 4 24.7	1.514	2.442	11.7	20.6
5 11	12 38.23	− 3 27.3	1.592	2.450	15.5	20.8

366226 2012 TU_{298} 4 6.2 62°.84 0°.8/ 5.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 24.26	− 5 39.7	2.070	2.899	12.7	21.0
3 12	13 19.55	− 5 17.3	2.005	2.915	9.5	20.9
3 22	13 13.03	− 4 46.4	1.964	2.930	5.8	20.7
4 1	13 5.35	− 4 10.8	1.950	2.946	2.0	20.4
4 11	12 57.37	− 3 35.4	1.965	2.962	2.4	20.5
4 21	12 49.91	− 3 4.7	2.007	2.977	6.2	20.8
5 1	12 43.72	− 2 42.6	2.076	2.993	9.6	21.0
5 11	12 39.32	− 2 31.9	2.169	3.009	12.6	21.2

28988 2001 MS_{23} 4 6.2 300°.83 3°.6/ 3.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 24.38	− 2 29.8	1.250	2.113	17.2	19.3
3 12	13 21.21	− 1 37.5	1.161	2.089	13.1	19.0
3 22	13 14.95	− 0 30.5	1.092	2.064	8.3	18.6
4 1	13 6.27	+ 0 43.9	1.046	2.040	3.9	18.3
4 11	12 56.42	+ 1 54.9	1.024	2.016	5.8	18.3
4 21	12 46.91	+ 2 51.8	1.026	1.992	11.2	18.5
5 1	12 39.23	+ 3 26.1	1.050	1.969	16.5	18.8
5 11	12 34.46	+ 3 33.5	1.091	1.946	21.3	19.0

15407 Udakiyoo 4 6.2 225°.99 4°.1/ 2.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 27.39	+ 0 51.7	1.789	2.633	13.8	17.9
3 12	13 22.41	+ 1 57.7	1.705	2.622	10.4	17.6
3 22	13 15.12	+ 3 11.1	1.645	2.612	6.7	17.4
4 1	13 6.18	+ 4 24.7	1.612	2.600	4.1	17.2
4 11	12 56.60	+ 5 30.3	1.607	2.588	5.7	17.3
4 21	12 47.44	+ 6 20.8	1.628	2.575	9.5	17.4
5 1	12 39.73	+ 6 51.5	1.675	2.561	13.3	17.6
5 11	12 34.18	+ 7 0.4	1.742	2.547	16.6	17.8

27022 1998 QA_{44} 4 6.2 121.°60 0.°7/ 6.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 31.51	− 9 44.8	1.583	2.403	16.4	19.2
3 12	13 25.58	− 9 35.9	1.516	2.418	12.5	19.0
3 22	13 17.07	− 9 12.5	1.471	2.432	8.0	18.7
4 1	13 6.83	− 8 37.8	1.451	2.445	3.0	18.5
4 11	12 56.09	− 7 57.2	1.459	2.458	2.3	18.4
4 21	12 46.10	− 7 17.2	1.494	2.470	7.1	18.8
5 1	12 37.94	− 6 44.1	1.555	2.482	11.5	19.0
5 11	12 32.30	− 6 22.7	1.638	2.493	15.3	19.3

305471 2008 DB_{46} 4 6.2 297.°71 2.°8/ 3.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 22.16	+ 0 5.4	2.259	3.100	11.4	21.2
3 12	13 18.04	+ 0 44.9	2.171	3.088	8.5	21.0
3 22	13 12.18	+ 1 29.5	2.108	3.076	5.4	20.8
4 1	13 5.12	+ 2 14.5	2.072	3.064	2.9	20.6
4 11	12 57.61	+ 2 54.6	2.065	3.051	4.0	20.7
4 21	12 50.41	+ 3 25.3	2.086	3.040	7.2	20.8
5 1	12 44.26	+ 3 43.0	2.132	3.028	10.4	21.0
5 11	12 39.74	+ 3 45.8	2.201	3.016	13.3	21.2

166825 2002 VN_{100} 4 6.2 152.°06 4.°0/10.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 23.80	−21 17.5	2.372	3.134	13.3	19.9
3 12	13 19.27	−21 20.2	2.283	3.137	10.9	19.8
3 22	13 12.94	−21 5.5	2.215	3.140	8.1	19.6
4 1	13 5.38	−20 33.7	2.174	3.143	5.3	19.4
4 11	12 57.38	−19 47.3	2.160	3.146	4.0	19.3
4 21	12 49.75	−18 50.8	2.175	3.149	5.5	19.4
5 1	12 43.26	−17 49.9	2.217	3.151	8.2	19.6
5 11	12 38.47	−16 50.7	2.284	3.153	11.0	19.8

299245 2005 MB_{29} 4 6.2 206.°19 3.°3/10.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 22.42	−20 17.5	2.680	3.443	12.0	21.4
3 12	13 18.06	−20 10.6	2.582	3.439	9.7	21.3
3 22	13 12.12	−19 48.2	2.507	3.436	7.1	21.1
4 1	13 5.09	−19 11.0	2.459	3.432	4.5	20.9
4 11	12 57.65	−18 21.5	2.439	3.428	3.3	20.8
4 21	12 50.50	−17 23.8	2.448	3.423	4.8	20.9
5 1	12 44.32	−16 22.9	2.486	3.418	7.5	21.1
5 11	12 39.61	−15 24.3	2.549	3.413	10.2	21.3

87962 2000 TB_{20} 4 6.2 123.°78 4.°5/31.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 22.49	+ 6 43.1	2.480	3.323	10.4	19.4
3 12	13 18.00	+ 7 42.2	2.416	3.330	7.9	19.3
3 22	13 11.99	+ 8 40.9	2.378	3.337	5.6	19.1
4 1	13 5.01	+ 9 34.0	2.369	3.343	4.5	19.1
4 11	12 57.76	+10 16.2	2.387	3.350	5.7	19.2
4 21	12 50.91	+10 43.9	2.434	3.356	8.0	19.3
5 1	12 45.10	+10 55.1	2.505	3.362	10.5	19.5
5 11	12 40.77	+10 49.7	2.598	3.368	12.7	19.7

170216 2003 QN_{6} 4 6.2 174.°18 0.°0/ 6.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 27.64	− 9 18.5	1.956	2.772	13.9	21.2
3 12	13 22.35	− 8 48.9	1.874	2.775	10.5	20.9
3 22	13 14.95	− 8 6.2	1.816	2.777	6.6	20.7
4 1	13 6.10	− 7 13.8	1.784	2.779	2.3	20.4
4 11	12 56.75	− 6 17.3	1.781	2.780	2.1	20.4
4 21	12 47.88	− 5 22.8	1.807	2.781	6.4	20.7
5 1	12 40.40	− 4 36.2	1.860	2.781	10.4	20.9
5 11	12 34.94	− 4 2.0	1.936	2.780	13.8	21.1

171093 2005 EW_{219} 4 6.2 86.°02 5.°0/10.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 25.76	−22 39.3	1.590	2.371	18.1	19.6
3 12	13 21.40	−22 27.5	1.520	2.386	14.7	19.4
3 22	13 14.52	−21 48.8	1.470	2.401	10.9	19.2
4 1	13 5.96	−20 43.8	1.443	2.416	7.0	19.0
4 11	12 56.91	−19 17.7	1.442	2.431	5.0	18.9
4 21	12 48.58	−17 39.4	1.467	2.445	7.0	19.1
5 1	12 42.02	−15 59.5	1.518	2.460	10.7	19.3
5 11	12 37.91	−14 28.0	1.593	2.474	14.3	19.6

27941 1997 LB_{6} 4 6.2 13.°51 4.°0/ 2.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 21.07	+ 0 10.6	1.714	2.570	13.7	18.6
3 12	13 17.59	+ 1 29.3	1.647	2.572	10.2	18.4
3 22	13 12.03	+ 2 55.5	1.604	2.573	6.5	18.2
4 1	13 5.08	+ 4 21.2	1.587	2.576	4.1	18.0
4 11	12 57.69	+ 5 37.8	1.597	2.578	5.7	18.1
4 21	12 50.82	+ 6 37.9	1.633	2.581	9.3	18.3
5 1	12 45.34	+ 7 16.9	1.693	2.584	12.9	18.6
5 11	12 41.87	+ 7 33.2	1.773	2.588	16.0	18.8

238512 2004 TF_{70} 4 6.2 218.°42 1.°8/ 4.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 27.96	− 4 34.7	1.799	2.632	14.2	21.3
3 12	13 22.85	− 3 52.1	1.712	2.624	10.7	21.0
3 22	13 15.41	− 2 58.5	1.648	2.616	6.6	20.8
4 1	13 6.30	− 1 58.9	1.611	2.606	2.5	20.5
4 11	12 56.54	− 1 0.1	1.602	2.596	3.5	20.5
4 21	12 47.21	− 0 9.0	1.621	2.586	7.9	20.8
5 1	12 39.32	+ 0 28.6	1.666	2.575	12.0	21.0
5 11	12 33.62	+ 0 49.3	1.732	2.563	15.7	21.2

482244 2011 HR 4 6.2 150.°48 33.°5/14.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 46.39	+39 21.1	0.496	1.362	34.2	20.4
3 12	13 40.84	+43 9.4	0.493	1.367	33.5	20.3
3 22	13 28.11	+45 47.0	0.498	1.371	33.7	20.4
4 1	13 10.73	+46 47.8	0.510	1.375	34.8	20.5
4 11	12 52.97	+46 3.2	0.530	1.378	36.4	20.6
4 21	12 38.63	+43 44.2	0.556	1.381	38.3	20.8
5 1	12 29.84	+40 11.5	0.587	1.382	40.2	20.9
5 11	12 26.89	+35 48.6	0.624	1.383	42.0	21.1

213640 2002 RA_{62} 4 6.2 255.°80 0.°3/ 5.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 30.02	− 6 50.1	2.072	2.887	13.2	21.1
3 12	13 24.34	− 6 38.2	1.962	2.863	10.1	20.8
3 22	13 16.38	− 6 16.4	1.875	2.838	6.4	20.5
4 1	13 6.69	− 5 47.2	1.816	2.812	2.2	20.2
4 11	12 56.15	− 5 14.8	1.787	2.785	2.3	20.1
4 21	12 45.80	− 4 44.0	1.786	2.757	6.7	20.4
5 1	12 36.65	− 4 19.8	1.813	2.728	10.9	20.6
5 11	12 29.50	− 4 6.3	1.863	2.699	14.5	20.7

84075 Peterpatricia 4 6.2 239.°30 0.°5/ 6.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 23.73	− 9 59.3	2.146	2.962	12.8	20.7
3 12	13 19.32	− 9 38.9	2.058	2.958	9.8	20.5
3 22	13 13.03	− 9 6.4	1.993	2.953	6.2	20.2
4 1	13 5.44	− 8 24.5	1.954	2.949	2.4	20.0
4 11	12 57.36	− 7 37.7	1.945	2.944	1.8	19.9
4 21	12 49.64	− 6 51.2	1.963	2.939	5.8	20.2
5 1	12 43.09	− 6 10.1	2.009	2.934	9.4	20.4
5 11	12 38.31	− 5 38.9	2.078	2.929	12.7	20.6

490531 2009 VO_{17} 4 6.2 186.°67 2.°3/ 9.0 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 23.98	−17 56.4	2.331	3.111	13.1	22.5
3 12	13 19.38	−17 18.6	2.238	3.111	10.3	22.3
3 22	13 13.00	−16 22.8	2.167	3.110	7.2	22.1
4 1	13 5.41	−15 11.0	2.124	3.108	3.9	21.9
4 11	12 57.40	−13 47.6	2.110	3.106	2.4	21.8
4 21	12 49.77	−12 19.1	2.126	3.104	5.2	21.9
5 1	12 43.27	−10 52.3	2.170	3.101	8.5	22.1
5 11	12 38.47	− 9 33.6	2.240	3.097	11.6	22.3

70164 1999 NO_{47} 4 6.2 283.°30 3.°8/ 2.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 24.05	− 1 37.3	1.520	2.374	15.2	19.7
3 12	13 20.37	− 0 27.3	1.431	2.355	11.4	19.4
3 22	13 14.10	+ 0 55.3	1.365	2.336	7.2	19.1
4 1	13 5.92	+ 2 22.7	1.324	2.316	3.9	18.9
4 11	12 56.89	+ 3 44.9	1.310	2.297	5.7	18.9
4 21	12 48.24	+ 4 52.4	1.321	2.277	10.2	19.1
5 1	12 41.15	+ 5 38.1	1.355	2.257	14.7	19.4
5 11	12 36.47	+ 5 58.6	1.408	2.238	18.7	19.6

341464 2007 TL_{315} 4 6.2 170.°04 0.°2/ 6.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 23.19	− 9 39.9	2.742	3.548	10.6	22.0
3 12	13 18.46	− 9 11.3	2.656	3.552	8.0	21.8
3 22	13 12.28	− 8 33.1	2.595	3.555	5.1	21.6
4 1	13 5.14	− 7 47.9	2.563	3.558	1.8	21.4
4 11	12 57.67	− 6 59.5	2.561	3.560	1.5	21.4
4 21	12 50.54	− 6 12.0	2.589	3.562	4.7	21.6
5 1	12 44.33	− 5 29.5	2.645	3.563	7.8	21.8
5 11	12 39.51	− 4 55.3	2.726	3.564	10.4	22.0

122494 2000 QS_{180} 4 6.2 96.°30 3.°9/10.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 24.95	−20 37.2	2.017	2.791	15.0	19.3
3 12	13 20.29	−20 28.8	1.942	2.806	12.1	19.1
3 22	13 13.63	−20 0.3	1.889	2.821	8.8	18.9
4 1	13 5.63	−19 12.7	1.861	2.836	5.5	18.8
4 11	12 57.24	−18 9.8	1.860	2.850	3.9	18.7
4 21	12 49.40	−16 57.9	1.888	2.864	5.8	18.8
5 1	12 42.94	−15 44.2	1.942	2.878	9.0	19.0
5 11	12 38.44	−14 35.7	2.021	2.892	12.1	19.3

6759 1980 KD 4 6.2 347.°69 4.°6/ 1.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 19.40	+ 2 48.3	1.807	2.667	12.9	16.7
3 12	13 16.31	+ 3 55.8	1.734	2.659	9.7	16.5
3 22	13 11.25	+ 5 8.1	1.685	2.652	6.4	16.2
4 1	13 4.84	+ 6 17.7	1.661	2.646	4.6	16.1
4 11	12 57.95	+ 7 17.0	1.665	2.641	6.2	16.2
4 21	12 51.49	+ 7 59.7	1.694	2.636	9.4	16.4
5 1	12 46.31	+ 8 22.0	1.746	2.633	12.8	16.6
5 11	12 43.02	+ 8 22.7	1.819	2.630	15.8	16.8

409408 2005 GV_{94} 4 6.2 9.°47 2.°5/ 4.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 26.17	− 2 17.9	1.231	2.093	17.6	20.1
3 12	13 22.21	− 2 2.8	1.167	2.094	13.2	19.8
3 22	13 15.29	− 1 39.0	1.124	2.096	8.2	19.5
4 1	13 6.30	− 1 12.1	1.103	2.098	3.3	19.2
4 11	12 56.63	− 0 49.6	1.107	2.102	4.4	19.3
4 21	12 47.72	− 0 37.9	1.135	2.107	9.5	19.6
5 1	12 40.84	− 0 41.6	1.186	2.112	14.4	19.9
5 11	12 36.79	− 1 2.8	1.255	2.119	18.5	20.2

160715 2000 QG_{106} 4 6.2 233°.77 3°.7/ 1.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 21.47	+ 4 10.0	2.727	3.566	9.7	20.4
3 12	13 17.24	+ 5 16.5	2.641	3.555	7.3	20.2
3 22	13 11.56	+ 6 25.6	2.581	3.543	5.0	20.0
4 1	13 4.91	+ 7 32.3	2.551	3.531	3.7	19.9
4 11	12 57.88	+ 8 31.3	2.550	3.518	4.9	20.0
4 21	12 51.13	+ 9 18.2	2.577	3.505	7.4	20.1
5 1	12 45.24	+ 9 50.0	2.631	3.492	9.9	20.3
5 11	12 40.70	+10 5.5	2.707	3.478	12.2	20.4

70178 1999 QC 4 6.2 295°.81 6°.2/31.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 22.99	+ 2 52.4	1.442	2.307	15.3	19.0
3 12	13 19.78	+ 4 29.7	1.352	2.279	11.7	18.7
3 22	13 13.86	+ 6 18.1	1.284	2.252	8.0	18.4
4 1	13 5.88	+ 8 7.1	1.241	2.224	6.2	18.2
4 11	12 56.92	+ 9 44.3	1.224	2.196	8.5	18.2
4 21	12 48.27	+10 58.7	1.230	2.168	12.7	18.4
5 1	12 41.19	+11 42.8	1.259	2.140	17.1	18.6
5 11	12 36.63	+11 54.7	1.304	2.113	21.0	18.7

909 Ulla 4 6.2 171°.44 4°.5/30.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 19.39	+ 8 51.0	3.014	3.856	8.8	14.9
3 12	13 15.50	+10 6.3	2.948	3.858	6.8	14.7
3 22	13 10.38	+11 20.7	2.908	3.859	5.1	14.6
4 1	13 4.47	+12 29.1	2.897	3.860	4.6	14.6
4 11	12 58.30	+13 26.8	2.915	3.861	5.7	14.7
4 21	12 52.42	+14 10.3	2.962	3.862	7.6	14.8
5 1	12 47.34	+14 37.8	3.033	3.863	9.6	14.9
5 11	12 43.45	+14 48.7	3.126	3.863	11.4	15.1

183411 2002 YA_{19} 4 6.2 86°.84 0°.4/ 5.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 26.82	− 8 11.5	1.725	2.553	14.9	21.1
3 12	13 21.77	− 7 36.2	1.665	2.573	11.2	20.9
3 22	13 14.55	− 6 48.0	1.628	2.593	6.9	20.6
4 1	13 5.95	− 5 51.8	1.617	2.613	2.3	20.4
4 11	12 57.01	− 4 54.0	1.634	2.632	2.4	20.4
4 21	12 48.78	− 4 1.3	1.679	2.652	6.8	20.8
5 1	12 42.12	− 3 19.4	1.749	2.670	10.8	21.0
5 11	12 37.61	− 2 51.8	1.842	2.689	14.2	21.3

483342 2016 QL_{76} 4 6.2 225°.90 5°.3/12.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 22.58	−26 59.8	2.631	3.355	13.1	20.9
3 12	13 18.33	−27 7.0	2.531	3.351	11.0	20.7
3 22	13 12.37	−26 55.5	2.451	3.346	8.8	20.6
4 1	13 5.22	−26 24.4	2.397	3.341	6.6	20.4
4 11	12 57.61	−25 35.4	2.369	3.337	5.3	20.3
4 21	12 50.30	−24 32.2	2.369	3.331	5.9	20.4
5 1	12 44.02	−23 20.2	2.397	3.326	7.9	20.5
5 11	12 39.34	−22 6.0	2.451	3.321	10.3	20.6

55642 2138 P–L 4 6.2 103°.83 1°.3/ 7.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 25.64	−13 1.9	1.842	2.653	14.8	19.8
3 12	13 20.90	−12 35.7	1.771	2.666	11.4	19.6
3 22	13 14.05	−11 53.1	1.723	2.679	7.4	19.4
4 1	13 5.80	−10 57.3	1.700	2.692	3.2	19.1
4 11	12 57.15	− 9 53.8	1.706	2.705	2.1	19.1
4 21	12 49.09	− 8 49.4	1.739	2.717	6.1	19.3
5 1	12 42.48	− 7 51.0	1.799	2.729	10.0	19.6
5 11	12 37.94	− 7 3.9	1.882	2.741	13.4	19.8

470097 2006 TF_{25} 4 6.2 296°.32 1°.4/ 4.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 25.28	− 3 7.3	2.222	3.052	11.9	21.1
3 12	13 20.38	− 2 55.0	2.138	3.048	8.9	20.9
3 22	13 13.66	− 2 36.7	2.077	3.044	5.5	20.7
4 1	13 5.68	− 2 15.8	2.044	3.039	2.1	20.4
4 11	12 57.24	− 1 56.4	2.040	3.035	2.7	20.4
4 21	12 49.18	− 1 42.1	2.065	3.031	6.3	20.7
5 1	12 42.26	− 1 36.4	2.116	3.027	9.7	20.9
5 11	12 37.06	− 1 41.3	2.191	3.023	12.8	21.1

116322 2003 YJ_{72} 4 6.2 333°.60 8°.7/13.0 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 23.90	−26 41.0	1.430	2.202	20.2	19.5
3 12	13 20.76	−27 30.3	1.344	2.193	17.3	19.3
3 22	13 14.62	−27 51.5	1.275	2.185	13.9	19.0
4 1	13 6.19	−27 40.1	1.226	2.178	10.7	18.8
4 11	12 56.72	−26 56.1	1.200	2.171	8.8	18.7
4 21	12 47.71	−25 44.5	1.198	2.165	9.7	18.7
5 1	12 40.59	−24 15.8	1.218	2.160	12.7	18.9
5 11	12 36.34	−22 42.7	1.260	2.155	16.3	19.0

29321 1994 PL_{16} 4 6.2 323°.26 4°.7/ 9.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 26.52	−16 53.3	1.295	2.114	19.4	18.5
3 12	13 22.78	−17 23.1	1.213	2.106	15.6	18.2
3 22	13 15.91	−17 30.7	1.150	2.099	11.2	17.9
4 1	13 6.64	−17 14.9	1.109	2.092	6.7	17.6
4 11	12 56.33	−16 38.3	1.092	2.086	4.8	17.5
4 21	12 46.53	−15 47.9	1.099	2.080	8.2	17.7
5 1	12 38.72	−14 53.2	1.129	2.075	13.1	17.9
5 11	12 33.91	−14 4.2	1.179	2.070	17.6	18.2

33067 1997 WJ 4 6.2 107°.20 3°.5/ 3.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 30.73	+ 0 19.5	1.613	2.456	15.1	18.6
3 12	13 24.80	+ 1 1.8	1.557	2.473	11.2	18.4
3 22	13 16.48	+ 1 49.2	1.523	2.491	7.0	18.2
4 1	13 6.65	+ 2 35.2	1.516	2.508	3.7	18.1
4 11	12 56.46	+ 3 12.8	1.537	2.524	5.0	18.2
4 21	12 47.07	+ 3 36.6	1.584	2.540	8.9	18.4
5 1	12 39.45	+ 3 43.3	1.657	2.555	12.7	18.7
5 11	12 34.22	+ 3 32.3	1.750	2.570	16.0	18.9

196595 2003 QX_{64} 4 6.2 191°.36 1°.6/ 4.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 25.08	− 3 23.9	2.274	3.103	11.8	20.8
3 12	13 20.17	− 2 50.9	2.191	3.102	8.8	20.6
3 22	13 13.49	− 2 10.8	2.134	3.100	5.4	20.3
4 1	13 5.62	− 1 27.7	2.104	3.098	2.1	20.1
4 11	12 57.33	− 0 46.4	2.103	3.096	3.0	20.2
4 21	12 49.43	− 0 11.6	2.131	3.094	6.4	20.4
5 1	12 42.65	+ 0 13.0	2.186	3.091	9.8	20.6
5 11	12 37.56	+ 0 24.9	2.264	3.088	12.7	20.8

112647 2002 PQ_{83} 4 6.2 157°.53 0°.5/ 5.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 24.28	− 6 46.4	2.347	3.167	11.7	19.9
3 12	13 19.49	− 6 18.8	2.267	3.172	8.8	19.7
3 22	13 13.03	− 5 42.3	2.211	3.175	5.4	19.5
4 1	13 5.45	− 5 0.2	2.183	3.179	1.8	19.2
4 11	12 57.50	− 4 16.9	2.185	3.182	2.1	19.3
4 21	12 49.94	− 3 37.0	2.215	3.185	5.7	19.5
5 1	12 43.47	− 3 4.7	2.273	3.188	9.0	19.7
5 11	12 38.62	− 2 43.1	2.355	3.190	11.9	19.9

346366 2008 SW_{6} 4 6.2 263°.26 2°.8/ 3.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 26.36	− 0 13.3	2.091	2.927	12.4	21.3
3 12	13 21.44	+ 0 22.9	1.994	2.908	9.3	21.0
3 22	13 14.47	+ 1 5.1	1.921	2.888	5.9	20.8
4 1	13 6.02	+ 1 48.4	1.875	2.867	3.0	20.6
4 11	12 56.93	+ 2 27.2	1.858	2.846	4.2	20.6
4 21	12 48.12	+ 2 56.3	1.870	2.825	7.8	20.8
5 1	12 40.48	+ 3 11.7	1.907	2.803	11.4	20.9
5 11	12 34.71	+ 3 11.2	1.966	2.781	14.7	21.1

114279 2002 XY_{19} 4 6.2 272°.24 3°.4/ 9.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 22.96	−18 52.8	2.191	2.972	13.7	19.9
3 12	13 18.79	−18 49.1	2.101	2.971	11.0	19.7
3 22	13 12.74	−18 28.0	2.034	2.970	7.9	19.5
4 1	13 5.39	−17 50.4	1.992	2.970	4.8	19.3
4 11	12 57.54	−16 59.3	1.977	2.969	3.4	19.2
4 21	12 50.08	−15 59.7	1.991	2.968	5.5	19.3
5 1	12 43.79	−14 58.0	2.032	2.968	8.7	19.5
5 11	12 39.28	−14 0.4	2.097	2.967	11.8	19.7

425241 2009 WL_{30} 4 6.2 287°.19 6°.1/12.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 22.70	−26 8.8	1.863	2.618	16.7	20.4
3 12	13 19.12	−26 8.6	1.765	2.608	14.1	20.2
3 22	13 13.21	−25 42.4	1.686	2.598	11.0	20.0
4 1	13 5.61	−24 48.7	1.630	2.587	8.0	19.8
4 11	12 57.31	−23 29.9	1.599	2.577	6.2	19.7
4 21	12 49.40	−21 52.3	1.595	2.567	7.2	19.7
5 1	12 42.92	−20 5.2	1.617	2.557	10.2	19.8
5 11	12 38.62	−18 19.2	1.663	2.548	13.6	20.0

419854 2011 AQ_{10} 4 6.3 168°.10 0°.3/ 5.9 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 26.31	− 8 11.8	2.251	3.066	12.3	22.4
3 12	13 21.09	− 7 37.5	2.170	3.071	9.3	22.2
3 22	13 14.06	− 6 52.4	2.112	3.075	5.8	22.0
4 1	13 5.82	− 5 59.9	2.083	3.079	2.0	21.8
4 11	12 57.18	− 5 5.2	2.083	3.081	2.0	21.8
4 21	12 48.96	− 4 13.4	2.113	3.084	5.8	22.0
5 1	12 41.93	− 3 29.4	2.170	3.085	9.3	22.2
5 11	12 36.64	− 2 56.9	2.251	3.086	12.4	22.4

124571 2001 SV_{4} 4 6.3 221°.37 3°.2/ 3.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 27.22	− 1 53.3	1.765	2.605	14.1	20.8
3 12	13 22.35	− 0 47.2	1.679	2.596	10.6	20.6
3 22	13 15.14	+ 0 29.2	1.618	2.586	6.6	20.3
4 1	13 6.27	+ 1 49.0	1.583	2.576	3.4	20.1
4 11	12 56.75	+ 3 3.9	1.577	2.564	4.9	20.1
4 21	12 47.66	+ 4 6.3	1.598	2.552	8.9	20.4
5 1	12 40.02	+ 4 50.1	1.644	2.540	13.0	20.6
5 11	12 34.57	+ 5 12.7	1.711	2.526	16.5	20.8

310158 2011 QF_{61} 4 6.3 203°.39 0°.4/ 5.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 21.04	− 8 40.2	2.647	3.463	10.7	21.3
3 12	13 16.96	− 7 51.2	2.557	3.459	8.0	21.1
3 22	13 11.42	− 6 51.7	2.493	3.456	5.0	20.9
4 1	13 4.90	− 5 45.3	2.457	3.452	1.7	20.7
4 11	12 58.03	− 4 36.6	2.450	3.448	1.8	20.7
4 21	12 51.46	− 3 30.7	2.474	3.444	5.2	20.9
5 1	12 45.80	− 2 32.2	2.525	3.439	8.3	21.1
5 11	12 41.53	− 1 45.0	2.601	3.434	11.0	21.2

301502 2009 EY_{22} 4 6.3 265°.19 2°.0/ 8.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 24.92	−13 32.7	2.328	3.125	12.5	20.5
3 12	13 20.17	−13 39.9	2.232	3.117	9.8	20.3
3 22	13 13.59	−13 34.9	2.160	3.110	6.7	20.0
4 1	13 5.70	−13 18.8	2.114	3.102	3.4	19.8
4 11	12 57.28	−12 54.2	2.097	3.094	2.3	19.7
4 21	12 49.15	−12 24.9	2.108	3.086	5.2	19.9
5 1	12 42.11	−11 55.4	2.148	3.078	8.6	20.1
5 11	12 36.76	−11 30.2	2.211	3.070	11.7	20.3

339549 2005 JF_{93} 4 6.3 320°.38 1°.7/ 4.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 26.00	− 2 19.8	1.994	2.830	12.9	20.3
3 12	13 21.13	− 2 7.7	1.911	2.824	9.7	20.1
3 22	13 14.24	− 1 49.7	1.852	2.819	6.0	19.9
4 1	13 5.93	− 1 29.6	1.819	2.814	2.4	19.6
4 11	12 57.10	− 1 11.9	1.815	2.810	3.2	19.7
4 21	12 48.68	− 1 0.7	1.839	2.805	7.0	19.9
5 1	12 41.55	− 0 59.4	1.889	2.801	10.7	20.1
5 11	12 36.33	− 1 10.2	1.961	2.797	13.9	20.3

193836 2001 QG_{48} 4 6.3 137°.40 3°.6/ 8.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 29.90	−15 31.9	1.456	2.266	18.1	19.9
3 12	13 24.90	−15 52.6	1.378	2.268	14.4	19.7
3 22	13 16.98	−15 53.7	1.321	2.271	10.0	19.4
4 1	13 6.97	−15 35.2	1.288	2.273	5.5	19.2
4 11	12 56.15	−15 0.4	1.280	2.276	3.8	19.1
4 21	12 45.95	−14 15.9	1.298	2.278	7.5	19.3
5 1	12 37.66	−13 29.8	1.341	2.280	12.0	19.6
5 11	12 32.13	−12 50.3	1.405	2.282	16.1	19.8

391285 2006 SQ_{219} 4 6.3 172°.84 3°.3/ 9.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 27.00	−17 38.7	2.481	3.253	12.6	21.6
3 12	13 21.62	−18 2.1	2.390	3.254	10.1	21.4
3 22	13 14.44	−18 12.3	2.321	3.255	7.3	21.2
4 1	13 5.99	−18 9.1	2.280	3.256	4.5	21.0
4 11	12 57.05	−17 54.2	2.267	3.257	3.4	21.0
4 21	12 48.43	−17 30.8	2.284	3.257	5.2	21.1
5 1	12 40.90	−17 3.1	2.328	3.257	8.1	21.3
5 11	12 35.05	−16 36.0	2.398	3.258	10.9	21.4

118696 2000 OA_{46} 4 6.3 126°.43 5°.3/11.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 29.19	−23 51.9	2.249	2.991	14.6	19.3
3 12	13 23.43	−24 19.8	2.168	3.005	12.1	19.1
3 22	13 15.62	−24 29.0	2.109	3.018	9.3	18.9
4 1	13 6.40	−24 18.3	2.076	3.031	6.7	18.8
4 11	12 56.71	−23 49.4	2.069	3.044	5.3	18.7
4 21	12 47.48	−23 6.2	2.091	3.056	6.4	18.8
5 1	12 39.61	−22 14.6	2.141	3.068	8.8	19.0
5 11	12 33.70	−21 21.3	2.215	3.079	11.5	19.2

289352 2005 BL_{17} 4 6.3 84°.61 1°.3/ 7.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 28.22	−12 23.3	1.519	2.340	16.9	21.2
3 12	13 23.17	−12 3.6	1.458	2.359	13.0	20.9
3 22	13 15.60	−11 25.9	1.418	2.378	8.4	20.7
4 1	13 6.40	−10 33.7	1.404	2.396	3.5	20.5
4 11	12 56.78	− 9 33.5	1.416	2.415	2.3	20.4
4 21	12 47.94	− 8 33.1	1.454	2.433	6.9	20.8
5 1	12 40.93	− 7 40.1	1.518	2.451	11.3	21.1
5 11	12 36.38	− 7 0.2	1.604	2.469	15.1	21.3

497818 2006 TG_{105} 4 6.3 117°.46 0°.5/ 5.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 22.63	− 6 57.3	2.638	3.455	10.7	22.6
3 12	13 18.05	− 6 24.3	2.564	3.468	8.0	22.4
3 22	13 12.04	− 5 43.2	2.517	3.481	4.9	22.2
4 1	13 5.11	− 4 57.4	2.497	3.493	1.6	22.0
4 11	12 57.92	− 4 10.8	2.508	3.505	1.9	22.0
4 21	12 51.11	− 3 27.7	2.548	3.517	5.1	22.3
5 1	12 45.27	− 2 51.8	2.615	3.529	8.0	22.5
5 11	12 40.84	− 2 25.7	2.708	3.540	10.6	22.7

168086 2006 DF_{70} 4 6.3 315°.85 1°.7/ 7.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 29.07	−10 10.0	1.358	2.192	17.9	20.5
3 12	13 24.53	−10 32.8	1.276	2.184	13.9	20.2
3 22	13 16.92	−10 41.2	1.214	2.176	9.2	19.9
4 1	13 7.02	−10 36.3	1.175	2.168	4.0	19.6
4 11	12 56.12	−10 21.6	1.162	2.161	2.7	19.5
4 21	12 45.72	−10 2.8	1.174	2.154	8.0	19.8
5 1	12 37.24	− 9 46.7	1.209	2.148	13.1	20.0
5 11	12 31.64	− 9 39.3	1.265	2.142	17.6	20.3

42348 2002 BV_{9} 4 6.3 14°.44 5°.1/11.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 25.71	−22 55.1	2.399	3.148	13.6	19.1
3 12	13 20.82	−23 30.4	2.308	3.149	11.3	18.9
3 22	13 14.02	−23 49.4	2.238	3.149	8.7	18.7
4 1	13 5.88	−23 51.0	2.193	3.150	6.3	18.6
4 11	12 57.18	−23 36.1	2.175	3.150	5.1	18.5
4 21	12 48.80	−23 7.6	2.186	3.151	6.1	18.6
5 1	12 41.56	−22 30.4	2.223	3.152	8.5	18.7
5 11	12 36.08	−21 50.3	2.285	3.153	11.1	18.9

5615 Iskander 4 6.3 243°.07 0°.7/ 6.8 18 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 26.42	−11 39.6	1.758	2.575	15.2	18.3
3 12	13 21.92	−11 4.1	1.660	2.560	11.7	18.1
3 22	13 14.99	−10 10.5	1.585	2.545	7.6	17.8
4 1	13 6.28	− 9 1.8	1.535	2.529	3.0	17.4
4 11	12 56.79	− 7 44.2	1.514	2.513	2.2	17.4
4 21	12 47.65	− 6 25.7	1.520	2.496	7.0	17.6
5 1	12 39.93	− 5 14.6	1.552	2.478	11.6	17.8
5 11	12 34.45	− 4 17.6	1.606	2.460	15.6	18.0

273698 2007 EO_{41} 4 6.3 166°.74 5°.3/11.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 29.15	−24 1.8	2.297	3.037	14.4	22.2
3 12	13 23.45	−24 26.4	2.207	3.042	11.9	22.1
3 22	13 15.69	−24 32.4	2.138	3.046	9.2	21.9
4 1	13 6.46	−24 18.6	2.094	3.050	6.6	21.7
4 11	12 56.68	−23 46.4	2.078	3.053	5.3	21.6
4 21	12 47.29	−22 59.6	2.091	3.056	6.4	21.7
5 1	12 39.19	−22 4.0	2.131	3.057	8.9	21.9
5 11	12 33.03	−21 6.6	2.195	3.059	11.6	22.0

235745 2004 TS_{308} 4 6.3 85°.60 0°.8/ 7.0 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 26.24	−10 17.4	1.881	2.699	14.3	20.7
3 12	13 21.38	−10 9.9	1.807	2.707	10.9	20.5
3 22	13 14.40	− 9 49.6	1.754	2.715	7.0	20.3
4 1	13 6.00	− 9 19.1	1.728	2.722	2.8	20.1
4 11	12 57.13	− 8 42.8	1.730	2.730	2.0	20.0
4 21	12 48.77	− 8 6.1	1.760	2.737	6.1	20.3
5 1	12 41.83	− 7 34.2	1.816	2.745	10.0	20.5
5 11	12 36.94	− 7 11.7	1.895	2.752	13.4	20.8

327490 2005 YF_{181} 4 6.3 143°.99 18°.4/19.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 35.63	+33 4.0	1.275	2.090	19.9	20.7
3 12	13 29.50	+35 39.9	1.256	2.098	18.7	20.7
3 22	13 19.81	+37 42.9	1.257	2.106	18.5	20.7
4 1	13 7.88	+38 58.1	1.276	2.113	19.1	20.7
4 11	12 55.55	+39 17.9	1.313	2.119	20.5	20.8
4 21	12 44.62	+38 43.8	1.365	2.125	22.3	21.0
5 1	12 36.42	+37 22.8	1.430	2.130	24.0	21.1
5 11	12 31.62	+35 25.6	1.507	2.134	25.5	21.3

220323 2003 FO_{27} 4 6.3 202°.60 0°.1/ 6.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 23.95	−10 0.9	1.850	2.674	14.2	20.8
3 12	13 19.76	− 9 25.6	1.768	2.673	10.8	20.6
3 22	13 13.45	− 8 35.7	1.709	2.672	6.9	20.3
4 1	13 5.68	− 7 34.7	1.676	2.671	2.5	20.0
4 11	12 57.40	− 6 28.9	1.671	2.670	2.1	20.0
4 21	12 49.57	− 5 25.0	1.694	2.669	6.5	20.3
5 1	12 43.11	− 4 29.8	1.743	2.668	10.6	20.5
5 11	12 38.65	− 3 48.1	1.814	2.667	14.1	20.7

496093 2009 SE_{293} 4 6.3 315°.82 3°.6/ 2.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 21.96	− 1 51.4	1.688	2.540	14.0	21.5
3 12	13 18.37	− 0 23.9	1.615	2.538	10.4	21.2
3 22	13 12.63	+ 1 14.5	1.566	2.536	6.5	21.0
4 1	13 5.40	+ 2 55.5	1.543	2.534	3.7	20.8
4 11	12 57.67	+ 4 29.4	1.548	2.532	5.4	20.9
4 21	12 50.43	+ 5 47.7	1.579	2.531	9.3	21.1
5 1	12 44.62	+ 6 44.2	1.635	2.529	13.1	21.3
5 11	12 40.87	+ 7 16.6	1.711	2.528	16.4	21.6

505256 2012 UD_{146} 4 6.3 137°.82 4°.4/11.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 24.70	−22 6.5	2.370	3.127	13.5	21.6
3 12	13 20.00	−22 19.1	2.282	3.131	11.1	21.5
3 22	13 13.47	−22 14.4	2.216	3.135	8.4	21.3
4 1	13 5.67	−21 52.2	2.175	3.140	5.7	21.1
4 11	12 57.42	−21 14.5	2.162	3.144	4.4	21.0
4 21	12 49.53	−20 25.5	2.176	3.147	5.7	21.1
5 1	12 42.79	−19 30.5	2.219	3.151	8.3	21.3
5 11	12 37.79	−18 35.9	2.286	3.154	11.0	21.5

62804 2000 UF_{38} 4 6.3 191°.25 1°.6/ 4.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 24.54	− 2 6.4	2.570	3.397	10.6	19.2
3 12	13 19.58	− 1 46.4	2.487	3.396	7.9	19.0
3 22	13 13.06	− 1 21.7	2.429	3.395	4.9	18.8
4 1	13 5.50	− 0 55.5	2.400	3.394	2.0	18.6
4 11	12 57.58	− 0 31.6	2.400	3.393	2.8	18.6
4 21	12 50.00	− 0 13.3	2.430	3.391	5.8	18.8
5 1	12 43.41	− 0 3.6	2.487	3.390	8.8	19.0
5 11	12 38.30	− 0 4.3	2.568	3.388	11.5	19.2

423028 2003 UZ 4 6.3 107°.81 3°.0/ 9.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 23.47	−19 29.5	2.161	2.938	14.0	21.3
3 12	13 19.08	−19 1.6	2.082	2.951	11.2	21.1
3 22	13 12.86	−18 14.5	2.026	2.964	7.9	21.0
4 1	13 5.44	−17 10.1	1.996	2.976	4.6	20.8
4 11	12 57.66	−15 53.1	1.995	2.988	3.1	20.7
4 21	12 50.37	−14 29.7	2.022	3.000	5.3	20.9
5 1	12 44.34	−13 7.2	2.077	3.012	8.6	21.1
5 11	12 40.09	−11 52.1	2.156	3.023	11.6	21.3

244745 2003 SF_{44} 4 6.3 249°.44 2°.1/ 8.1 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 27.44	−14 25.1	1.885	2.686	14.9	21.9
3 12	13 22.64	−14 11.8	1.780	2.668	11.8	21.6
3 22	13 15.45	−13 40.8	1.697	2.648	8.0	21.3
4 1	13 6.47	−12 53.4	1.639	2.628	3.9	21.0
4 11	12 56.65	−11 53.6	1.610	2.608	2.5	20.9
4 21	12 47.09	−10 47.7	1.608	2.587	6.5	21.1
5 1	12 38.87	− 9 43.3	1.634	2.565	10.8	21.3
5 11	12 32.81	− 8 47.6	1.682	2.542	14.7	21.5

262104 2006 RD_{101} 4 6.3 246°.56 0°.4/ 5.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 25.64	− 8 41.7	1.925	2.748	13.8	21.6
3 12	13 21.11	− 7 58.9	1.826	2.732	10.5	21.4
3 22	13 14.38	− 7 1.6	1.751	2.715	6.6	21.1
4 1	13 6.06	− 5 53.4	1.702	2.697	2.3	20.8
4 11	12 57.04	− 4 40.6	1.681	2.679	2.4	20.7
4 21	12 48.33	− 3 30.5	1.689	2.661	6.9	21.0
5 1	12 40.89	− 2 29.9	1.723	2.642	11.2	21.2
5 11	12 35.47	− 1 44.1	1.780	2.622	14.8	21.4

288655 2004 PV_{53} 4 6.3 255°.78 1°.9/ 7.5 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 30.13	−11 40.6	1.556	2.374	16.7	20.5
3 12	13 25.08	−11 53.0	1.463	2.362	13.1	20.3
3 22	13 17.18	−11 50.0	1.392	2.350	8.7	20.0
4 1	13 7.11	−11 32.6	1.345	2.337	4.0	19.7
4 11	12 56.06	−11 4.5	1.325	2.324	2.7	19.5
4 21	12 45.39	−10 31.2	1.331	2.310	7.4	19.8
5 1	12 36.40	− 9 59.7	1.363	2.297	12.3	20.0
5 11	12 30.05	− 9 36.8	1.416	2.283	16.6	20.2

123546 2000 XK_{23} 4 6.3 35°.46 6°.0/10.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 28.69	−20 19.4	1.580	2.367	17.9	18.8
3 12	13 23.80	−21 15.4	1.510	2.378	14.7	18.6
3 22	13 16.21	−21 50.9	1.460	2.390	11.0	18.4
4 1	13 6.70	−22 3.6	1.433	2.402	7.6	18.2
4 11	12 56.52	−21 54.8	1.432	2.415	6.0	18.2
4 21	12 46.96	−21 28.8	1.456	2.428	7.8	18.3
5 1	12 39.20	−20 53.0	1.504	2.442	11.1	18.5
5 11	12 34.04	−20 15.6	1.575	2.456	14.5	18.8

224331 2005 UY_{58} 4 6.3 237°.95 0°.6/ 5.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 26.50	− 6 34.4	1.880	2.708	13.9	20.4
3 12	13 21.68	− 6 16.1	1.794	2.703	10.5	20.2
3 22	13 14.68	− 5 47.4	1.732	2.698	6.5	19.9
4 1	13 6.14	− 5 11.6	1.697	2.692	2.2	19.7
4 11	12 57.01	− 4 33.8	1.689	2.687	2.4	19.7
4 21	12 48.31	− 3 59.6	1.709	2.681	6.8	19.9
5 1	12 40.97	− 3 33.9	1.755	2.676	10.9	20.1
5 11	12 35.69	− 3 20.4	1.824	2.670	14.4	20.3

203383 2001 XN_{92} 4 6.3 106°.11 1°.5/ 5.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 29.64	− 5 23.0	1.557	2.393	15.9	20.5
3 12	13 24.14	− 4 45.5	1.497	2.410	11.8	20.3
3 22	13 16.18	− 3 56.7	1.459	2.427	7.3	20.1
4 1	13 6.62	− 3 2.2	1.447	2.443	2.6	19.8
4 11	12 56.66	− 2 9.3	1.463	2.459	3.3	19.9
4 21	12 47.47	− 1 24.9	1.506	2.474	7.9	20.2
5 1	12 40.08	− 0 54.3	1.573	2.489	12.2	20.5
5 11	12 35.11	− 0 40.5	1.662	2.503	15.7	20.8

331462 2012 HA_{30} 4 6.3 69°.55 1°.7/ 4.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 24.55	− 5 10.5	1.650	2.492	14.8	20.8
3 12	13 20.31	− 4 23.2	1.583	2.499	11.1	20.6
3 22	13 13.82	− 3 24.5	1.538	2.507	6.8	20.3
4 1	13 5.82	− 2 20.0	1.518	2.514	2.5	20.1
4 11	12 57.37	− 1 17.4	1.527	2.522	3.5	20.2
4 21	12 49.51	− 0 23.8	1.561	2.529	7.8	20.4
5 1	12 43.20	+ 0 15.2	1.621	2.537	11.9	20.7
5 11	12 39.05	+ 0 36.4	1.702	2.544	15.4	20.9

500064 2011 UY_{291} 4 6.3 247°.86 3°.2/ 3.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 27.96	− 1 35.7	1.622	2.466	14.9	22.5
3 12	13 23.19	− 0 43.8	1.534	2.452	11.3	22.3
3 22	13 15.85	+ 0 18.2	1.468	2.437	7.1	22.0
4 1	13 6.62	+ 1 23.6	1.429	2.421	3.5	21.7
4 11	12 56.58	+ 2 24.4	1.416	2.405	5.0	21.8
4 21	12 46.95	+ 3 12.7	1.431	2.389	9.4	22.0
5 1	12 38.88	+ 3 42.7	1.469	2.372	13.8	22.2
5 11	12 33.19	+ 3 51.5	1.528	2.355	17.6	22.4

486674 2013 TV_{12} 4 6.3 121°.82 4°.1/ 2.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 24.52	− 8 55.6	1.109	1.966	19.4	20.9
3 12	13 21.15	− 5 55.2	1.048	1.974	14.3	20.6
3 22	13 14.72	− 2 23.5	1.009	1.983	8.6	20.3
4 1	13 6.19	+ 1 22.0	0.996	1.990	4.2	20.1
4 11	12 57.07	+ 4 57.7	1.011	1.998	7.1	20.3
4 21	12 48.86	+ 8 2.4	1.052	2.005	12.7	20.6
5 1	12 42.82	+10 23.0	1.116	2.011	17.7	20.9
5 11	12 39.70	+11 56.4	1.197	2.018	21.8	21.2

427733 2004 PQ_{84} 4 6.3 231°.35 1°.3/ 7.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 28.54	−11 42.9	2.498	3.291	11.9	21.9
3 12	13 22.84	−11 43.8	2.391	3.276	9.3	21.7
3 22	13 15.28	−11 34.1	2.308	3.261	6.1	21.5
4 1	13 6.36	−11 14.8	2.253	3.244	2.8	21.2
4 11	12 56.84	−10 48.6	2.229	3.227	1.8	21.1
4 21	12 47.55	−10 19.3	2.234	3.209	5.2	21.3
5 1	12 39.27	− 9 51.0	2.268	3.191	8.6	21.5
5 11	12 32.66	− 9 27.9	2.327	3.172	11.7	21.7

109406 2001 QC_{182} 4 6.3 123°.13 2°.2/ 3.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 24.86	− 3 38.3	2.077	2.910	12.5	19.5
3 12	13 20.04	− 2 32.0	2.012	2.925	9.3	19.3
3 22	13 13.42	− 1 17.1	1.972	2.939	5.7	19.1
4 1	13 5.64	+ 0 0.4	1.960	2.953	2.5	18.9
4 11	12 57.56	+ 1 13.7	1.977	2.967	3.7	19.0
4 21	12 50.01	+ 2 16.8	2.023	2.980	7.1	19.2
5 1	12 43.73	+ 3 5.0	2.095	2.993	10.5	19.5
5 11	12 39.23	+ 3 35.9	2.189	3.005	13.3	19.7

458895 2011 UQ_{195} 4 6.3 80°.92 2°.5/ 8.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 28.53	−14 7.5	1.469	2.285	17.6	21.9
3 12	13 23.64	−14 8.2	1.402	2.298	13.7	21.6
3 22	13 16.05	−13 49.5	1.356	2.311	9.2	21.4
4 1	13 6.64	−13 13.3	1.335	2.324	4.5	21.2
4 11	12 56.67	−12 25.0	1.339	2.337	2.9	21.1
4 21	12 47.44	−11 31.7	1.369	2.350	7.1	21.4
5 1	12 40.09	−10 41.7	1.425	2.362	11.5	21.6
5 11	12 35.34	−10 1.7	1.502	2.375	15.4	21.9

496963 2002 NL_{60} 4 6.3 230°.41 2°.3/ 8.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 27.85	−15 5.2	2.116	2.907	13.8	22.6
3 12	13 22.66	−14 58.5	2.013	2.893	10.9	22.4
3 22	13 15.32	−14 36.1	1.932	2.879	7.5	22.2
4 1	13 6.41	−13 58.9	1.878	2.865	3.9	21.9
4 11	12 56.80	−13 10.3	1.852	2.849	2.5	21.8
4 21	12 47.48	−12 15.4	1.856	2.833	5.8	22.0
5 1	12 39.38	−11 20.5	1.886	2.816	9.7	22.2
5 11	12 33.23	−10 31.8	1.941	2.798	13.2	22.3

141369 2002 AX_{45} 4 6.3 19°.80 0°.6/ 5.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 21.53	− 7 4.2	2.033	2.865	12.8	20.2
3 12	13 17.71	− 6 32.7	1.957	2.868	9.6	20.0
3 22	13 12.07	− 5 50.7	1.906	2.872	5.9	19.8
4 1	13 5.21	− 5 2.0	1.880	2.876	2.0	19.5
4 11	12 57.95	− 4 12.2	1.883	2.881	2.3	19.5
4 21	12 51.12	− 3 26.6	1.914	2.886	6.2	19.8
5 1	12 45.49	− 2 50.1	1.970	2.891	9.8	20.0
5 11	12 41.62	− 2 26.1	2.050	2.897	13.0	20.2

317992 2004 BC_{78} 4 6.3 78°.72 2°.2/ 3.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 23.38	− 2 23.5	2.073	2.911	12.4	20.7
3 12	13 18.98	− 1 37.9	2.006	2.922	9.2	20.6
3 22	13 12.79	− 0 45.5	1.964	2.932	5.6	20.4
4 1	13 5.45	+ 0 8.7	1.949	2.942	2.5	20.2
4 11	12 57.77	+ 0 58.7	1.962	2.953	3.6	20.3
4 21	12 50.58	+ 1 39.6	2.003	2.963	7.0	20.5
5 1	12 44.62	+ 2 7.4	2.070	2.973	10.3	20.7
5 11	12 40.41	+ 2 20.1	2.160	2.984	13.2	20.9

466180 2012 KY_{9} 4 6.3 12°.46 0°.4/ 5.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 22.23	− 8 58.8	1.451	2.294	16.4	20.9
3 12	13 18.93	− 8 17.6	1.380	2.296	12.4	20.6
3 22	13 13.15	− 7 19.2	1.330	2.298	7.7	20.4
4 1	13 5.65	− 6 9.0	1.305	2.301	2.6	20.1
4 11	12 57.57	− 4 55.1	1.305	2.304	2.7	20.1
4 21	12 50.09	− 3 46.5	1.332	2.308	7.8	20.4
5 1	12 44.28	− 2 51.0	1.382	2.312	12.4	20.7
5 11	12 40.83	− 2 13.8	1.453	2.317	16.4	20.9

216330 2007 VT_{94} 4 6.3 91°.75 1°.1/ 5.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 29.05	− 6 5.4	1.610	2.443	15.5	21.2
3 12	13 23.61	− 5 33.6	1.552	2.463	11.6	21.0
3 22	13 15.81	− 4 50.5	1.516	2.483	7.1	20.8
4 1	13 6.51	− 4 1.2	1.506	2.502	2.4	20.5
4 11	12 56.85	− 3 12.4	1.524	2.521	3.0	20.6
4 21	12 47.96	− 2 30.6	1.569	2.540	7.5	20.9
5 1	12 40.80	− 2 1.0	1.639	2.558	11.6	21.2
5 11	12 35.97	− 1 46.6	1.731	2.576	15.1	21.5

175354 2005 OS_{15} 4 6.3 64°.26 9°.3/17.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 25.33	−37 42.5	2.367	3.019	16.1	20.0
3 12	13 20.87	−38 27.5	2.279	3.024	14.4	19.9
3 22	13 14.22	−38 48.1	2.209	3.030	12.5	19.8
4 1	13 6.02	−38 40.9	2.160	3.036	10.8	19.7
4 11	12 57.22	−38 5.5	2.133	3.042	9.5	19.6
4 21	12 48.84	−37 4.8	2.131	3.047	9.3	19.6
5 1	12 41.83	−35 44.6	2.154	3.053	10.2	19.6
5 11	12 36.89	−34 13.4	2.201	3.059	11.8	19.8

335761 2007 EJ_{104} 4 6.3 297°.24 2°.7/ 8.0 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 29.24	−12 33.6	1.750	2.560	15.5	21.3
3 12	13 24.36	−13 5.3	1.640	2.532	12.3	21.0
3 22	13 16.78	−13 24.6	1.552	2.505	8.5	20.7
4 1	13 7.06	−13 31.1	1.489	2.477	4.4	20.4
4 11	12 56.20	−13 26.3	1.453	2.450	3.1	20.3
4 21	12 45.43	−13 13.9	1.444	2.422	7.1	20.4
5 1	12 36.03	−12 59.0	1.460	2.394	11.6	20.6
5 11	12 29.01	−12 47.9	1.500	2.367	15.8	20.8

175812 1999 RG_{201} 4 6.3 312°.25 10°.0/14.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 30.52	−33 23.7	2.208	2.889	16.4	19.4
3 12	13 25.26	−34 58.8	2.102	2.873	14.7	19.2
3 22	13 17.33	−36 14.8	2.015	2.857	12.8	19.1
4 1	13 7.26	−37 6.2	1.951	2.841	11.1	18.9
4 11	12 56.00	−37 29.6	1.911	2.826	10.1	18.8
4 21	12 44.78	−37 24.9	1.896	2.811	10.3	18.8
5 1	12 34.85	−36 56.2	1.905	2.796	11.7	18.8
5 11	12 27.24	−36 11.2	1.936	2.781	13.7	18.9

36646 2000 QZ_{191} 4 6.3 189°.23 2°.6/ 3.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 24.12	+ 0 57.5	2.535	3.369	10.5	19.1
3 12	13 19.30	+ 1 31.4	2.456	3.368	7.8	18.9
3 22	13 12.92	+ 2 8.6	2.402	3.367	5.0	18.8
4 1	13 5.50	+ 2 45.0	2.376	3.366	2.8	18.6
4 11	12 57.74	+ 3 16.2	2.380	3.365	3.8	18.7
4 21	12 50.33	+ 3 38.7	2.413	3.363	6.6	18.8
5 1	12 43.91	+ 3 49.6	2.472	3.362	9.4	19.0
5 11	12 38.99	+ 3 47.7	2.555	3.360	12.0	19.2

91488 1999 RL_{119} 4 6.3 184°.89 5°.5/12.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 27.81	−26 37.7	2.630	3.347	13.2	19.7
3 12	13 22.31	−27 1.9	2.532	3.348	11.2	19.5
3 22	13 14.94	−27 8.5	2.456	3.347	8.9	19.4
4 1	13 6.25	−26 55.9	2.404	3.346	6.7	19.2
4 11	12 57.04	−26 25.0	2.380	3.344	5.5	19.2
4 21	12 48.13	−25 39.1	2.385	3.342	6.2	19.2
5 1	12 40.32	−24 43.0	2.417	3.339	8.2	19.3
5 11	12 34.23	−23 43.3	2.475	3.336	10.6	19.5

217873 2001 QN_{204} 4 6.3 196°.86 1°.4/ 7.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 25.62	−13 30.2	2.197	2.996	13.1	22.2
3 12	13 20.77	−13 4.0	2.105	2.993	10.2	22.0
3 22	13 14.01	−12 22.8	2.037	2.990	6.7	21.7
4 1	13 5.93	−11 28.9	1.995	2.986	3.0	21.5
4 11	12 57.34	−10 26.7	1.983	2.982	1.9	21.4
4 21	12 49.13	− 9 22.1	2.000	2.977	5.5	21.6
5 1	12 42.10	− 8 21.1	2.044	2.971	9.2	21.8
5 11	12 36.87	− 7 29.2	2.113	2.965	12.4	22.0

455742 2005 JJ_{34} 4 6.3 349°.55 5°.3/ 2.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 18.34	+ 0 11.1	1.085	1.969	17.7	20.3
3 12	13 16.70	+ 1 23.7	1.020	1.958	13.3	20.0
3 22	13 12.11	+ 2 48.0	0.975	1.950	8.6	19.7
4 1	13 5.37	+ 4 12.9	0.951	1.942	5.4	19.5
4 11	12 57.84	+ 5 25.7	0.950	1.936	7.5	19.6
4 21	12 50.96	+ 6 15.5	0.971	1.932	12.3	19.8
5 1	12 46.05	+ 6 35.9	1.012	1.930	17.1	20.1
5 11	12 43.96	+ 6 25.6	1.070	1.929	21.3	20.3

284880 2009 DR_{127} 4 6.3 261°.22 0°.0/ 6.0 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 25.05	− 7 29.0	2.403	3.219	11.6	20.8
3 12	13 20.22	− 7 22.3	2.307	3.208	8.8	20.5
3 22	13 13.63	− 7 7.2	2.235	3.197	5.6	20.3
4 1	13 5.80	− 6 45.9	2.191	3.186	2.0	20.1
4 11	12 57.48	− 6 21.9	2.176	3.175	1.8	20.0
4 21	12 49.43	− 5 58.9	2.191	3.164	5.4	20.2
5 1	12 42.40	− 5 40.7	2.232	3.153	8.9	20.4
5 11	12 36.99	− 5 30.5	2.298	3.141	11.9	20.6

399398 2001 SV_{312} 4 6.3 255°.50 1°.5/ 5.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 29.27	− 5 12.5	1.658	2.491	15.2	22.0
3 12	13 24.29	− 4 41.4	1.560	2.472	11.5	21.7
3 22	13 16.64	− 3 58.0	1.484	2.451	7.2	21.4
4 1	13 6.98	− 3 6.7	1.435	2.430	2.6	21.1
4 11	12 56.37	− 2 14.3	1.412	2.408	3.4	21.1
4 21	12 46.06	− 1 27.8	1.417	2.386	8.3	21.3
5 1	12 37.26	− 0 53.9	1.447	2.363	13.1	21.5
5 11	12 30.88	− 0 37.1	1.498	2.339	17.2	21.7

302819 2003 CJ_{1} 4 6.3 15°.47 6°.5/11.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 24.87	−23 39.8	1.816	2.583	16.7	19.4
3 12	13 20.75	−24 29.5	1.738	2.588	13.9	19.3
3 22	13 14.25	−24 58.4	1.679	2.594	10.9	19.1
4 1	13 6.07	−25 4.3	1.644	2.600	8.0	18.9
4 11	12 57.24	−24 48.2	1.633	2.607	6.6	18.8
4 21	12 48.87	−24 14.0	1.649	2.615	7.6	18.9
5 1	12 42.01	−23 28.3	1.689	2.624	10.2	19.1
5 11	12 37.40	−22 39.2	1.752	2.633	13.2	19.3

348147 2004 CW_{126} 4 6.3 180°.78 0°.4/ 6.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 29.24	− 9 59.3	1.471	2.300	17.0	20.9
3 12	13 24.30	− 9 38.1	1.394	2.301	13.0	20.7
3 22	13 16.59	− 9 0.0	1.338	2.301	8.3	20.4
4 1	13 6.91	− 8 8.5	1.306	2.301	3.1	20.1
4 11	12 56.50	− 7 10.2	1.302	2.301	2.4	20.1
4 21	12 46.71	− 6 13.3	1.323	2.300	7.7	20.4
5 1	12 38.74	− 5 25.4	1.370	2.299	12.6	20.6
5 11	12 33.40	− 4 52.6	1.437	2.297	16.7	20.9

467326 2001 UQ_{58} 4 6.3 49°.35 4°.8/ 4.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 40.23	+ 7 15.7	1.575	2.407	15.9	20.0
3 12	13 32.13	+ 6 56.1	1.509	2.417	12.2	19.7
3 22	13 21.22	+ 6 31.3	1.466	2.426	8.1	19.5
4 1	13 8.45	+ 5 56.8	1.451	2.436	5.0	19.4
4 11	12 55.22	+ 5 9.3	1.464	2.447	6.0	19.4
4 21	12 42.91	+ 4 8.2	1.506	2.457	9.6	19.7
5 1	12 32.70	+ 2 54.5	1.573	2.468	13.5	19.9
5 11	12 25.31	+ 1 30.6	1.663	2.479	16.9	20.2

357108 2001 UQ_{77} 4 6.3 103°.25 1°.4/ 5.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 30.10	− 5 16.9	1.513	2.350	16.2	21.0
3 12	13 24.60	− 4 45.5	1.452	2.365	12.1	20.8
3 22	13 16.55	− 4 3.0	1.413	2.381	7.4	20.6
4 1	13 6.84	− 3 14.5	1.400	2.396	2.6	20.3
4 11	12 56.68	− 2 27.4	1.414	2.411	3.3	20.4
4 21	12 47.31	− 1 48.3	1.455	2.425	8.0	20.7
5 1	12 39.79	− 1 22.5	1.521	2.439	12.4	21.0
5 11	12 34.76	− 1 13.0	1.607	2.452	16.0	21.2

312812 2011 GH 4 6.3 85°.31 2°.6/ 3.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 24.61	− 2 54.3	1.866	2.706	13.4	21.7
3 12	13 19.99	− 1 46.5	1.810	2.726	9.9	21.5
3 22	13 13.45	− 0 30.7	1.778	2.747	6.1	21.3
4 1	13 5.71	+ 0 46.7	1.774	2.767	2.9	21.2
4 11	12 57.68	+ 1 58.1	1.797	2.787	4.1	21.3
4 21	12 50.28	+ 2 57.2	1.849	2.806	7.7	21.5
5 1	12 44.28	+ 3 39.7	1.926	2.825	11.2	21.8
5 11	12 40.20	+ 4 3.5	2.025	2.844	14.1	22.0

496205 2011 SW_{73} 4 6.3 113°.97 0°.0/ 6.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 20.95	−10 12.4	2.495	3.308	11.3	21.8
3 12	13 16.96	− 9 24.9	2.415	3.315	8.5	21.6
3 22	13 11.48	− 8 25.9	2.361	3.322	5.4	21.4
4 1	13 5.03	− 7 18.9	2.335	3.330	1.9	21.2
4 11	12 58.26	− 6 9.0	2.338	3.337	1.7	21.2
4 21	12 51.87	− 5 1.3	2.371	3.344	5.1	21.4
5 1	12 46.47	− 4 0.9	2.431	3.351	8.3	21.6
5 11	12 42.51	− 3 11.6	2.516	3.358	11.0	21.8

300122 2006 VW_{7} 4 6.3 207°.79 2°.7/10.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 22.35	−19 50.4	3.073	3.830	10.7	21.4
3 12	13 17.88	−19 31.8	2.968	3.824	8.6	21.3
3 22	13 12.02	−18 59.2	2.888	3.817	6.2	21.1
4 1	13 5.23	−18 13.5	2.835	3.809	3.8	20.9
4 11	12 58.07	−17 17.3	2.811	3.801	2.7	20.8
4 21	12 51.15	−16 14.3	2.818	3.793	4.3	20.9
5 1	12 45.07	−15 9.3	2.853	3.784	6.7	21.1
5 11	12 40.26	−14 6.8	2.915	3.774	9.2	21.2

213189 2000 SH_{264} 4 6.3 190°.74 0°.7/ 5.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 22.62	− 5 58.9	2.969	3.784	9.7	21.3
3 12	13 18.01	− 5 28.3	2.880	3.783	7.2	21.1
3 22	13 12.06	− 4 50.7	2.817	3.781	4.4	20.9
4 1	13 5.23	− 4 9.0	2.783	3.778	1.5	20.7
4 11	12 58.08	− 3 26.8	2.779	3.775	1.9	20.7
4 21	12 51.20	− 2 47.7	2.805	3.772	4.8	20.9
5 1	12 45.15	− 2 15.1	2.860	3.768	7.6	21.1
5 11	12 40.36	− 1 51.4	2.939	3.764	10.0	21.3

248387 2005 SB_{19} 4 6.3 251°.04 0°.1/ 6.1 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 21.37	− 9 9.0	2.746	3.557	10.5	21.5
3 12	13 17.29	− 8 26.2	2.641	3.540	7.9	21.3
3 22	13 11.73	− 7 32.7	2.562	3.523	5.0	21.1
4 1	13 5.14	− 6 31.5	2.511	3.506	1.7	20.8
4 11	12 58.14	− 5 26.8	2.490	3.488	1.7	20.8
4 21	12 51.35	− 4 23.5	2.499	3.470	5.0	21.0
5 1	12 45.40	− 3 26.2	2.536	3.451	8.2	21.2
5 11	12 40.79	− 2 38.9	2.598	3.432	10.9	21.3

22138 Laynrichards 4 6.3 191°.21 0°.6/ 5.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 22.43	− 6 13.4	2.855	3.671	10.0	20.1
3 12	13 17.92	− 5 43.6	2.766	3.670	7.5	20.0
3 22	13 12.03	− 5 6.5	2.704	3.668	4.6	19.8
4 1	13 5.22	− 4 25.0	2.670	3.666	1.6	19.6
4 11	12 58.09	− 3 42.8	2.667	3.663	1.9	19.6
4 21	12 51.24	− 3 3.7	2.693	3.661	4.9	19.8
5 1	12 45.24	− 2 31.1	2.747	3.658	7.8	20.0
5 11	12 40.55	− 2 7.7	2.826	3.654	10.3	20.1

10696 Giuliattiwinter 4 6.3 214.°38 1.°2/ 5.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 26.24	− 6 50.4	1.659	2.494	15.1	18.3
3 12	13 21.76	− 6 4.5	1.578	2.490	11.4	18.1
3 22	13 14.88	− 5 4.7	1.519	2.486	7.1	17.8
4 1	13 6.31	− 3 55.9	1.486	2.482	2.4	17.5
4 11	12 57.11	− 2 45.8	1.480	2.477	3.1	17.5
4 21	12 48.40	− 1 42.1	1.502	2.472	7.8	17.8
5 1	12 41.22	− 0 51.9	1.548	2.466	12.2	18.0
5 11	12 36.32	− 0 19.5	1.617	2.461	16.0	18.3

35340 1997 GV_{18} 4 6.3 99.°99 0.°3/ 6.7 18 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 22.19	−10 18.9	2.504	3.314	11.4	19.0
3 12	13 17.86	− 9 47.0	2.429	3.327	8.6	18.8
3 22	13 12.02	− 9 4.3	2.380	3.340	5.4	18.6
4 1	13 5.21	− 8 14.0	2.358	3.352	2.0	18.4
4 11	12 58.12	− 7 20.4	2.365	3.365	1.5	18.4
4 21	12 51.43	− 6 28.0	2.402	3.377	4.9	18.7
5 1	12 45.75	− 5 41.3	2.467	3.389	8.0	18.9
5 11	12 41.54	− 5 4.0	2.556	3.401	10.8	19.1

87425 2000 QJ_{100} 4 6.3 275.°45 3.°3/ 2.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 23.42	− 1 17.1	1.863	2.708	13.2	19.8
3 12	13 19.50	− 0 9.1	1.770	2.689	9.9	19.5
3 22	13 13.44	+ 1 8.9	1.701	2.670	6.3	19.3
4 1	13 5.82	+ 2 30.3	1.659	2.650	3.5	19.0
4 11	12 57.54	+ 3 47.1	1.645	2.630	5.0	19.1
4 21	12 49.56	+ 4 51.8	1.657	2.610	8.8	19.3
5 1	12 42.85	+ 5 38.3	1.695	2.590	12.7	19.5
5 11	12 38.11	+ 6 3.6	1.754	2.570	16.1	19.6

58900 1998 KM_{7} 4 6.3 319.°80 6.°0/31.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 24.28	+10 3.4	2.114	2.961	11.8	18.5
3 12	13 19.76	+10 55.0	2.042	2.954	9.2	18.3
3 22	13 13.38	+11 44.0	1.994	2.947	6.9	18.2
4 1	13 5.74	+12 23.9	1.973	2.940	6.0	18.1
4 11	12 57.67	+12 48.8	1.979	2.933	7.3	18.1
4 21	12 50.04	+12 55.1	2.011	2.927	9.8	18.3
5 1	12 43.61	+12 41.3	2.067	2.921	12.5	18.4
5 11	12 38.96	+12 8.2	2.143	2.915	15.0	18.6

212346 2005 UY_{68} 4 6.3 288.°96 0.°5/ 6.7 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 25.03	− 8 47.4	2.312	3.125	12.1	20.0
3 12	13 20.39	− 8 45.9	2.205	3.104	9.3	19.8
3 22	13 13.86	− 8 35.0	2.123	3.083	6.0	19.5
4 1	13 5.96	− 8 16.5	2.068	3.062	2.3	19.3
4 11	12 57.43	− 7 53.6	2.042	3.041	1.7	19.2
4 21	12 49.11	− 7 30.0	2.044	3.020	5.6	19.4
5 1	12 41.81	− 7 10.2	2.074	2.999	9.2	19.6
5 11	12 36.18	− 6 57.6	2.128	2.977	12.5	19.8

435023 2006 VV_{74} 4 6.3 328.°92 2.°2/ 8.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 20.95	−16 53.6	2.315	3.105	12.8	20.8
3 12	13 17.21	−16 26.9	2.224	3.104	10.1	20.6
3 22	13 11.77	−15 43.6	2.157	3.102	7.0	20.4
4 1	13 5.18	−14 45.8	2.116	3.101	3.7	20.2
4 11	12 58.17	−13 37.5	2.104	3.100	2.4	20.1
4 21	12 51.51	−12 24.4	2.120	3.099	5.0	20.3
5 1	12 45.92	−11 12.7	2.163	3.098	8.3	20.5
5 11	12 41.95	−10 8.2	2.232	3.097	11.4	20.7

192321 1994 SE_{11} 4 6.3 268.°51 1.°0/ 5.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 23.98	− 6 15.4	1.953	2.784	13.3	21.0
3 12	13 19.72	− 5 42.1	1.870	2.780	10.0	20.8
3 22	13 13.45	− 4 58.0	1.810	2.777	6.2	20.6
4 1	13 5.80	− 4 7.4	1.777	2.773	2.1	20.3
4 11	12 57.63	− 3 15.8	1.772	2.769	2.6	20.3
4 21	12 49.87	− 2 29.2	1.794	2.765	6.7	20.6
5 1	12 43.38	− 1 52.8	1.843	2.761	10.6	20.8
5 11	12 38.78	− 1 30.2	1.914	2.757	13.9	21.0

508038 2015 BG_{497} 4 6.3 268.°41 5.°8/31.0 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 22.91	+ 6 9.3	1.897	2.750	12.7	21.1
3 12	13 18.93	+ 7 35.5	1.826	2.745	9.7	20.9
3 22	13 12.96	+ 9 3.9	1.779	2.739	6.9	20.8
4 1	13 5.62	+10 26.3	1.760	2.734	5.8	20.7
4 11	12 57.80	+11 34.5	1.767	2.728	7.4	20.8
4 21	12 50.43	+12 22.3	1.801	2.723	10.4	20.9
5 1	12 44.34	+12 46.6	1.858	2.717	13.4	21.1
5 11	12 40.17	+12 47.0	1.934	2.712	16.2	21.3

374175 2004 XM_{4} 4 6.3 124.°96 5.°3/30.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 24.48	+ 7 44.5	2.291	3.134	11.2	21.3
3 12	13 19.62	+ 9 6.6	2.237	3.148	8.5	21.1
3 22	13 13.14	+10 27.8	2.208	3.163	6.2	21.0
4 1	13 5.62	+11 41.1	2.208	3.177	5.3	21.0
4 11	12 57.84	+12 40.5	2.237	3.190	6.6	21.1
4 21	12 50.55	+13 21.7	2.293	3.203	9.0	21.2
5 1	12 44.43	+13 42.8	2.373	3.215	11.5	21.4
5 11	12 39.94	+13 44.1	2.474	3.227	13.7	21.6

82627 2001 OY_{104} 4 6.3 163.°40 0.°8/ 5.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 21.04	− 8 5.4	2.476	3.296	11.2	19.7
3 12	13 17.07	− 7 1.8	2.393	3.299	8.4	19.5
3 22	13 11.59	− 5 47.2	2.336	3.301	5.1	19.3
4 1	13 5.10	− 4 25.8	2.307	3.303	1.7	19.0
4 11	12 58.29	− 3 3.3	2.309	3.305	2.2	19.1
4 21	12 51.82	− 1 45.6	2.340	3.307	5.6	19.3
5 1	12 46.33	− 0 37.9	2.398	3.308	8.8	19.5
5 11	12 42.31	+ 0 16.0	2.481	3.310	11.6	19.7

216661 2003 XM_{11} 4 6.3 91.°08 2.°0/ 8.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 26.21	−15 10.3	1.637	2.447	16.4	21.0
3 12	13 21.62	−14 41.1	1.570	2.463	12.8	20.8
3 22	13 14.70	−13 51.6	1.525	2.479	8.5	20.6
4 1	13 6.22	−12 45.0	1.504	2.494	4.0	20.3
4 11	12 57.32	−11 27.9	1.511	2.510	2.4	20.3
4 21	12 49.10	−10 8.6	1.545	2.525	6.5	20.5
5 1	12 42.53	− 8 55.4	1.605	2.540	10.7	20.8
5 11	12 38.25	− 7 55.1	1.687	2.554	14.3	21.1

357042 2000 RB_{25} 4 6.3 245.°92 3.°5/ 9.1 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 28.62	−17 0.3	1.784	2.576	16.0	21.5
3 12	13 23.74	−17 6.6	1.682	2.561	12.8	21.2
3 22	13 16.29	−16 54.1	1.602	2.546	9.1	21.0
4 1	13 6.91	−16 22.5	1.547	2.530	5.2	20.7
4 11	12 56.61	−15 34.6	1.518	2.513	3.6	20.6
4 21	12 46.60	−14 36.2	1.517	2.496	6.8	20.7
5 1	12 38.06	−13 35.1	1.542	2.478	11.0	20.9
5 11	12 31.85	−12 39.2	1.591	2.459	15.0	21.1

278348 2007 JH_{13} 4 6.3 163.°92 4.°0/ 1.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 22.86	+ 2 18.7	2.298	3.140	11.2	20.9
3 12	13 18.51	+ 3 45.5	2.228	3.144	8.3	20.7
3 22	13 12.51	+ 5 16.7	2.184	3.148	5.5	20.5
4 1	13 5.43	+ 6 45.7	2.169	3.152	4.0	20.4
4 11	12 58.01	+ 8 5.4	2.183	3.155	5.4	20.5
4 21	12 50.99	+ 9 10.3	2.226	3.157	8.2	20.7
5 1	12 45.06	+ 9 56.7	2.294	3.159	11.0	20.9
5 11	12 40.71	+10 23.3	2.383	3.161	13.5	21.1

371091 2005 UN_{449} 4 6.3 80.°94 8.°8/16.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 25.31	−35 15.6	1.910	2.600	18.4	20.0
3 12	13 21.09	−35 25.9	1.832	2.614	16.1	19.9
3 22	13 14.44	−35 5.6	1.770	2.628	13.5	19.7
4 1	13 6.16	−34 11.9	1.729	2.641	11.0	19.6
4 11	12 57.39	−32 46.6	1.713	2.655	9.2	19.5
4 21	12 49.27	−30 55.9	1.721	2.668	9.0	19.5
5 1	12 42.82	−28 49.8	1.756	2.682	10.5	19.6
5 11	12 38.71	−26 39.8	1.815	2.695	12.9	19.8

245079 2004 JD_{42} 4 6.3 312.°39 12.°5/17.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 27.46	−40 46.8	2.172	2.805	17.8	19.6
3 12	13 23.35	−42 19.2	2.057	2.776	16.5	19.4
3 22	13 16.39	−43 29.1	1.958	2.749	15.0	19.2
4 1	13 7.07	−44 9.6	1.879	2.721	13.7	19.0
4 11	12 56.38	−44 16.3	1.820	2.693	12.7	18.9
4 21	12 45.65	−43 48.0	1.782	2.666	12.6	18.8
5 1	12 36.31	−42 48.6	1.767	2.640	13.4	18.8
5 11	12 29.52	−41 26.6	1.773	2.613	15.0	18.9

209426 2004 FY_{49} 4 6.3 349.°85 2.°6/ 8.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 25.19	−14 28.7	2.007	2.808	14.1	20.1
3 12	13 20.69	−14 45.3	1.920	2.806	11.1	19.8
3 22	13 14.11	−14 47.8	1.855	2.803	7.7	19.6
4 1	13 6.07	−14 37.0	1.816	2.802	4.1	19.4
4 11	12 57.44	−14 15.5	1.804	2.800	2.8	19.3
4 21	12 49.19	−13 47.4	1.820	2.799	5.8	19.5
5 1	12 42.22	−13 18.1	1.863	2.798	9.4	19.7
5 11	12 37.20	−12 52.7	1.929	2.798	12.7	19.9

151030 2001 UC_{156} 4 6.3 213.°90 0.°6/ 5.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 25.60	− 7 31.0	2.127	2.947	12.7	21.3
3 12	13 20.82	− 6 55.6	2.036	2.941	9.6	21.1
3 22	13 14.11	− 6 9.0	1.970	2.934	6.0	20.9
4 1	13 6.05	− 5 14.7	1.931	2.927	2.0	20.6
4 11	12 57.46	− 4 18.0	1.922	2.919	2.3	20.6
4 21	12 49.24	− 3 24.8	1.941	2.911	6.3	20.8
5 1	12 42.20	− 2 40.3	1.987	2.903	10.0	21.1
5 11	12 36.97	− 2 8.4	2.056	2.893	13.3	21.2

523514 2017 OW_{9} 4 6.3 166.°76 5.°5/12.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 26.83	−25 50.9	2.288	3.021	14.6	22.1
3 12	13 21.78	−26 1.8	2.197	3.026	12.2	21.9
3 22	13 14.72	−25 52.2	2.127	3.029	9.5	21.8
4 1	13 6.26	−25 21.1	2.081	3.033	7.0	21.6
4 11	12 57.29	−24 30.4	2.063	3.035	5.5	21.5
4 21	12 48.72	−23 24.5	2.072	3.038	6.4	21.6
5 1	12 41.42	−22 10.0	2.109	3.039	8.8	21.7
5 11	12 36.02	−20 54.5	2.171	3.040	11.5	21.9

4909 Couteau 4 6.3 219°.95 1°.4/ 5.1 18 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 28.33	− 5 41.9	1.955	2.779	13.5	17.9
3 12	13 23.09	− 4 58.9	1.862	2.769	10.2	17.6
3 22	13 15.65	− 4 4.5	1.792	2.758	6.3	17.4
4 1	13 6.63	− 3 3.1	1.751	2.746	2.3	17.1
4 11	12 56.96	− 2 0.9	1.738	2.733	3.0	17.1
4 21	12 47.65	− 1 4.6	1.753	2.719	7.3	17.3
5 1	12 39.65	− 0 19.9	1.795	2.705	11.3	17.5
5 11	12 33.70	+ 0 9.1	1.860	2.689	14.8	17.7

297213 2011 HG_{59} 4 6.3 302°.33 2°.3/ 4.0 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 21.86	− 4 0.0	1.855	2.699	13.4	20.8
3 12	13 18.25	− 3 0.1	1.772	2.690	10.0	20.5
3 22	13 12.61	− 1 49.3	1.712	2.682	6.2	20.3
4 1	13 5.54	− 0 33.1	1.679	2.673	2.6	20.0
4 11	12 57.94	+ 0 40.7	1.673	2.665	3.9	20.1
4 21	12 50.72	+ 1 45.0	1.695	2.657	7.8	20.3
5 1	12 44.79	+ 2 34.0	1.741	2.649	11.7	20.5
5 11	12 40.77	+ 3 4.2	1.810	2.641	15.1	20.7

411174 2010 FZ_{15} 4 6.3 289°.94 0°.0/ 6.1 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 29.63	− 7 3.6	1.376	2.216	17.3	21.2
3 12	13 25.08	− 7 9.5	1.286	2.199	13.4	20.9
3 22	13 17.43	− 7 3.0	1.217	2.183	8.5	20.6
4 1	13 7.39	− 6 46.7	1.171	2.167	3.1	20.2
4 11	12 56.23	− 6 25.6	1.152	2.151	2.7	20.2
4 21	12 45.44	− 6 6.0	1.157	2.135	8.5	20.4
5 1	12 36.48	− 5 54.1	1.187	2.119	13.8	20.7
5 11	12 30.40	− 5 55.2	1.236	2.103	18.5	20.9

134023 2004 VO_{64} 4 6.3 114°.87 3°.1/ 3.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 28.42	− 1 33.8	1.570	2.415	15.3	20.0
3 12	13 23.32	− 0 44.8	1.507	2.425	11.4	19.8
3 22	13 15.79	+ 0 12.3	1.466	2.435	7.1	19.6
4 1	13 6.64	+ 1 10.7	1.452	2.445	3.4	19.4
4 11	12 57.03	+ 2 2.6	1.464	2.454	4.7	19.5
4 21	12 48.11	+ 2 41.3	1.503	2.463	8.9	19.7
5 1	12 40.91	+ 3 2.4	1.567	2.472	12.9	20.0
5 11	12 36.08	+ 3 4.2	1.651	2.480	16.4	20.2

386216 2007 WW_{34} 4 6.3 83°.88 2°.3/ 8.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 23.82	−15 46.3	2.232	3.024	13.2	20.8
3 12	13 19.36	−15 39.7	2.153	3.034	10.3	20.6
3 22	13 13.11	−15 18.2	2.097	3.043	7.1	20.4
4 1	13 5.68	−14 43.5	2.067	3.052	3.8	20.3
4 11	12 57.85	−13 58.9	2.065	3.061	2.5	20.2
4 21	12 50.44	−13 9.4	2.092	3.071	5.2	20.4
5 1	12 44.21	−12 20.5	2.146	3.080	8.4	20.6
5 11	12 39.70	−11 37.2	2.225	3.089	11.4	20.8

36418 2000 OC_{57} 4 6.3 171°.94 0°.6/ 5.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 28.96	− 7 17.5	1.851	2.673	14.3	20.3
3 12	13 23.54	− 6 46.9	1.772	2.677	10.8	20.1
3 22	13 15.88	− 6 4.4	1.716	2.680	6.7	19.8
4 1	13 6.68	− 5 14.0	1.686	2.682	2.3	19.5
4 11	12 56.96	− 4 21.6	1.686	2.684	2.5	19.6
4 21	12 47.75	− 3 33.4	1.714	2.685	6.9	19.8
5 1	12 40.00	− 2 55.0	1.768	2.685	11.0	20.1
5 11	12 34.40	− 2 30.4	1.844	2.684	14.5	20.3

328888 2010 PS_{48} 4 6.3 98°.23 13°.8/21.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 30.60	+31 57.5	1.823	2.625	15.3	20.2
3 12	13 24.74	+33 56.0	1.809	2.643	14.2	20.2
3 22	13 16.50	+35 29.9	1.816	2.660	13.8	20.2
4 1	13 6.83	+36 29.9	1.845	2.677	14.3	20.3
4 11	12 56.95	+36 51.3	1.895	2.694	15.4	20.4
4 21	12 48.03	+36 34.3	1.963	2.711	16.7	20.5
5 1	12 40.98	+35 42.9	2.048	2.727	18.1	20.7
5 11	12 36.35	+34 23.6	2.147	2.743	19.3	20.8

284677 2008 RQ_{95} 4 6.3 182°.24 1°.7/ 4.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 27.10	− 6 36.9	1.609	2.445	15.4	21.6
3 12	13 22.44	− 5 34.2	1.533	2.446	11.6	21.4
3 22	13 15.33	− 4 16.4	1.479	2.446	7.1	21.1
4 1	13 6.52	− 2 49.9	1.451	2.446	2.6	20.8
4 11	12 57.12	− 1 23.4	1.450	2.446	3.6	20.9
4 21	12 48.28	− 0 6.0	1.477	2.444	8.3	21.2
5 1	12 41.06	+ 0 55.0	1.529	2.442	12.7	21.4
5 11	12 36.17	+ 1 35.2	1.602	2.440	16.4	21.6

491693 2012 UV_{76} 4 6.3 62°.28 4°.2/ 2.7 15

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 28.70	+ 5 50.4	2.098	2.936	12.2	21.2
3 12	13 22.89	+ 6 10.5	2.038	2.950	9.2	21.0
3 22	13 15.23	+ 6 29.5	2.003	2.964	6.2	20.8
4 1	13 6.39	+ 6 42.5	1.996	2.979	4.3	20.8
4 11	12 57.29	+ 6 45.4	2.017	2.994	5.3	20.8
4 21	12 48.77	+ 6 35.4	2.067	3.008	8.1	21.0
5 1	12 41.62	+ 6 11.5	2.142	3.023	11.0	21.2
5 11	12 36.33	+ 5 34.1	2.239	3.038	13.6	21.4

176495 2001 XB_{251} 4 6.3 90°.85 1°.9/ 8.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 23.38	−15 14.1	2.426	3.216	12.3	20.6
3 12	13 18.84	−14 57.9	2.352	3.233	9.6	20.4
3 22	13 12.69	−14 28.0	2.302	3.249	6.5	20.3
4 1	13 5.52	−13 46.4	2.278	3.265	3.3	20.1
4 11	12 58.04	−12 56.8	2.284	3.281	2.1	20.0
4 21	12 50.99	−12 3.9	2.319	3.297	4.8	20.2
5 1	12 45.03	−11 12.7	2.381	3.312	7.9	20.4
5 11	12 40.65	−10 27.9	2.468	3.328	10.6	20.6

51899 2001 QD_{37} 4 6.3 122°.42 3°.8/10.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 25.92	−19 52.7	2.398	3.162	13.1	19.2
3 12	13 20.90	−20 6.1	2.314	3.171	10.6	19.0
3 22	13 14.08	−20 3.7	2.252	3.180	7.8	18.8
4 1	13 6.03	−19 45.8	2.217	3.189	5.0	18.7
4 11	12 57.56	−19 14.6	2.210	3.197	3.8	18.6
4 21	12 49.48	−18 33.9	2.232	3.205	5.4	18.7
5 1	12 42.55	−17 48.8	2.281	3.213	8.1	18.9
5 11	12 37.33	−17 4.9	2.355	3.221	10.8	19.1

91507 1999 RM_{160} 4 6.3 49°.08 3°.5/ 8.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 33.86	−13 54.6	1.538	2.343	17.5	17.9
3 12	13 27.44	−14 45.3	1.484	2.371	13.7	17.7
3 22	13 18.35	−15 19.9	1.451	2.400	9.4	17.5
4 1	13 7.54	−15 37.8	1.444	2.428	5.2	17.4
4 11	12 56.31	−15 41.2	1.463	2.458	3.7	17.3
4 21	12 45.98	−15 34.6	1.509	2.487	6.9	17.6
5 1	12 37.65	−15 23.9	1.582	2.516	10.8	17.9
5 11	12 31.97	−15 15.0	1.676	2.546	14.3	18.2

377710 2005 WL_{82} 4 6.3 218°.32 1°.8/ 5.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 46.75	+ 0 3.4	1.186	2.019	20.0	20.5
3 12	13 38.55	− 0 45.5	1.106	2.015	15.4	20.2
3 22	13 26.17	− 1 34.8	1.046	2.011	9.8	19.9
4 1	13 10.55	− 2 27.0	1.011	2.006	3.7	19.5
4 11	12 53.53	− 3 24.0	1.004	2.001	4.0	19.5
4 21	12 37.29	− 4 26.6	1.023	1.995	10.3	19.8
5 1	12 23.80	− 5 35.1	1.068	1.989	16.1	20.1
5 11	12 14.25	− 6 50.2	1.133	1.982	21.0	20.4

505528 2013 YJ_{32} 4 6.3 10°.85 6°.4/12.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 24.63	−25 31.4	2.052	2.799	15.6	20.7
3 12	13 20.41	−26 7.1	1.965	2.801	13.2	20.5
3 22	13 14.01	−26 22.2	1.898	2.802	10.4	20.3
4 1	13 6.07	−26 14.9	1.854	2.804	7.8	20.1
4 11	12 57.51	−25 46.2	1.836	2.806	6.4	20.0
4 21	12 49.34	−24 59.9	1.845	2.808	7.2	20.1
5 1	12 42.50	−24 2.5	1.879	2.811	9.6	20.2
5 11	12 37.70	−23 1.6	1.937	2.814	12.3	20.4

224445 2005 UY_{497} 4 6.3 324°.21 3°.4/ 3.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 24.18	− 0 48.0	1.654	2.505	14.3	19.9
3 12	13 20.18	+ 0 5.7	1.580	2.501	10.7	19.7
3 22	13 13.89	+ 1 7.5	1.528	2.497	6.8	19.4
4 1	13 6.02	+ 2 10.6	1.502	2.494	3.6	19.2
4 11	12 57.58	+ 3 7.1	1.503	2.491	5.0	19.3
4 21	12 49.65	+ 3 50.2	1.530	2.487	9.0	19.5
5 1	12 43.20	+ 4 15.1	1.581	2.485	12.9	19.7
5 11	12 38.93	+ 4 19.7	1.653	2.482	16.4	19.9

284786 2008 YO_{49} 4 6.3 40°.55 6°.5/30.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 23.14	+ 9 55.6	1.978	2.830	12.3	20.4
3 12	13 18.96	+11 11.1	1.920	2.834	9.6	20.2
3 22	13 12.89	+12 23.9	1.887	2.839	7.3	20.1
4 1	13 5.61	+13 26.4	1.880	2.844	6.5	20.0
4 11	12 57.97	+14 11.9	1.900	2.849	7.9	20.1
4 21	12 50.85	+14 36.1	1.946	2.855	10.4	20.3
5 1	12 45.02	+14 37.5	2.014	2.860	13.1	20.5
5 11	12 41.02	+14 17.1	2.102	2.866	15.5	20.6

424661 2008 RS_{17} 4 6.3 156°.67 2°.6/ 8.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 25.81	−15 50.6	2.074	2.866	14.0	21.8
3 12	13 21.07	−15 51.2	1.988	2.869	11.1	21.6
3 22	13 14.31	−15 36.1	1.925	2.871	7.7	21.4
4 1	13 6.15	−15 6.3	1.888	2.873	4.2	21.1
4 11	12 57.47	−14 25.3	1.879	2.875	2.8	21.1
4 21	12 49.21	−13 38.0	1.898	2.876	5.6	21.2
5 1	12 42.22	−12 50.2	1.944	2.878	9.2	21.5
5 11	12 37.15	−12 7.8	2.014	2.879	12.4	21.7

304061 2006 FB_{13} 4 6.3 160°.49 1°.6/ 5.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 32.04	− 3 22.8	1.809	2.636	14.4	21.0
3 12	13 25.86	− 3 6.0	1.734	2.642	10.8	20.8
3 22	13 17.34	− 2 41.6	1.682	2.648	6.7	20.5
4 1	13 7.22	− 2 13.7	1.657	2.653	2.5	20.3
4 11	12 56.57	− 1 47.6	1.661	2.657	3.2	20.3
4 21	12 46.51	− 1 28.3	1.694	2.660	7.4	20.6
5 1	12 38.02	− 1 19.6	1.752	2.663	11.5	20.8
5 11	12 31.79	− 1 23.9	1.833	2.665	14.9	21.1

39185 2000 WD_{167} 4 6.3 206°.69 2°.3/ 3.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 25.18	− 2 4.0	2.182	3.015	12.0	20.2
3 12	13 20.42	− 1 17.8	2.099	3.011	9.0	20.0
3 22	13 13.83	− 0 24.5	2.040	3.007	5.6	19.8
4 1	13 5.97	+ 0 31.0	2.009	3.002	2.6	19.6
4 11	12 57.66	+ 1 23.1	2.007	2.996	3.7	19.6
4 21	12 49.72	+ 2 6.4	2.033	2.991	7.1	19.8
5 1	12 42.94	+ 2 36.9	2.086	2.985	10.5	20.0
5 11	12 37.89	+ 2 52.1	2.161	2.978	13.5	20.2

459662 2013 KM_{13} 4 6.3 18°.23 2°.3/ 8.1 16

3 2	13 21.72	−14 19.4	1.143	1.987	19.9	20.8
3 12	13 19.18	−14 4.8	1.080	1.992	15.5	20.5
3 22	13 13.64	−13 24.8	1.036	1.998	10.4	20.2
4 1	13 5.99	−12 22.7	1.013	2.005	4.9	20.0
4 11	12 57.66	−11 6.6	1.014	2.014	2.9	19.9
4 21	12 50.10	− 9 47.5	1.039	2.023	8.0	20.2
5 1	12 44.61	− 8 36.5	1.086	2.034	13.2	20.5
5 11	12 41.97	− 7 42.2	1.152	2.045	17.7	20.8

43368 2000 VZ_{62} 4 6.3 222°.44 5°.1/ 9.3 18

3 2	13 39.22	−17 48.9	1.908	2.672	16.1	18.9
3 12	13 31.80	−18 56.6	1.805	2.663	13.1	18.7
3 22	13 21.46	−19 51.0	1.725	2.653	9.7	18.4
4 1	13 8.83	−20 28.8	1.671	2.642	6.4	18.2
4 11	12 55.05	−20 48.7	1.646	2.631	5.2	18.1
4 21	12 41.47	−20 52.3	1.651	2.619	7.5	18.2
5 1	12 29.46	−20 44.4	1.684	2.606	11.2	18.4
5 11	12 20.02	−20 31.9	1.741	2.592	14.7	18.6

44602 1999 RN_{12} 4 6.3 179°.88 0°.8/ 5.5 18

3 2	13 26.16	− 7 51.0	1.935	2.758	13.7	20.1
3 12	13 21.37	− 6 59.1	1.853	2.760	10.3	19.9
3 22	13 14.51	− 5 54.0	1.796	2.761	6.4	19.7
4 1	13 6.23	− 4 40.4	1.765	2.761	2.2	19.4
4 11	12 57.46	− 3 25.0	1.764	2.761	2.6	19.4
4 21	12 49.16	− 2 14.9	1.791	2.760	6.8	19.7
5 1	12 42.20	− 1 16.4	1.844	2.758	10.8	19.9
5 11	12 37.21	− 0 33.8	1.920	2.756	14.1	20.1

457562 2008 YL_{103} 4 6.3 111°.25 2°.1/ 8.1 18

3 2	13 28.74	−14 22.3	1.599	2.408	16.7	22.0
3 12	13 23.65	−14 8.0	1.530	2.422	13.0	21.8
3 22	13 16.06	−13 34.6	1.482	2.435	8.7	21.6
4 1	13 6.79	−12 44.4	1.459	2.448	4.2	21.3
4 11	12 57.00	−11 43.1	1.462	2.461	2.6	21.3
4 21	12 47.91	−10 38.4	1.494	2.473	6.7	21.5
5 1	12 40.55	− 9 38.3	1.550	2.485	11.0	21.8
5 11	12 35.63	− 8 49.4	1.629	2.496	14.8	22.1

237459 1999 VL_{134} 4 6.3 129°.29 1°.0/ 7.4 17

3 2	13 24.43	−12 11.0	2.130	2.937	13.2	21.4
3 12	13 19.88	−11 45.9	2.050	2.944	10.1	21.2
3 22	13 13.49	−11 6.9	1.994	2.951	6.6	20.9
4 1	13 5.85	−10 16.8	1.965	2.958	2.8	20.7
4 11	12 57.81	− 9 20.4	1.965	2.964	1.8	20.6
4 21	12 50.21	− 8 23.2	1.993	2.970	5.5	20.9
5 1	12 43.82	− 7 31.0	2.048	2.976	9.1	21.1
5 11	12 39.22	− 6 48.5	2.128	2.982	12.3	21.3

290751 2005 UC_{488} 4 6.3 234°.05 5°.1/12.7 18

3 2	13 23.97	−26 30.9	2.804	3.524	12.4	21.3
3 12	13 19.42	−26 47.1	2.697	3.515	10.5	21.2
3 22	13 13.18	−26 46.5	2.612	3.505	8.4	21.0
4 1	13 5.77	−26 28.0	2.552	3.496	6.3	20.8
4 11	12 57.84	−25 52.7	2.520	3.486	5.2	20.7
4 21	12 50.15	−25 3.6	2.515	3.475	5.8	20.8
5 1	12 43.41	−24 5.2	2.539	3.465	7.7	20.9
5 11	12 38.18	−23 3.5	2.588	3.454	10.0	21.0

252972 2002 PZ_{165} 4 6.3 259°.17 0°.8/ 6.9 17

3 2	13 27.39	−10 26.9	1.764	2.583	15.0	21.3
3 12	13 22.73	−10 16.2	1.667	2.568	11.6	21.1
3 22	13 15.63	− 9 51.0	1.593	2.554	7.6	20.8
4 1	13 6.71	− 9 13.5	1.545	2.538	3.0	20.5
4 11	12 56.99	− 8 28.4	1.523	2.523	2.1	20.4
4 21	12 47.58	− 7 41.8	1.530	2.507	6.8	20.6
5 1	12 39.60	− 7 0.3	1.562	2.491	11.3	20.8
5 11	12 33.86	− 6 29.6	1.616	2.475	15.3	21.1

81946 2000 OH_{60} 4 6.3 276°.00 2°.6/ 8.9 17

3 2	13 23.93	−16 1.3	2.281	3.070	13.0	19.4
3 12	13 19.60	−16 3.6	2.181	3.059	10.3	19.2
3 22	13 13.41	−15 51.5	2.105	3.049	7.2	19.0
4 1	13 5.87	−15 25.7	2.054	3.038	4.0	18.7
4 11	12 57.77	−14 48.9	2.032	3.027	2.7	18.6
4 21	12 49.95	−14 5.3	2.038	3.016	5.3	18.8
5 1	12 43.21	−13 20.4	2.071	3.005	8.7	19.0
5 11	12 38.18	−12 39.5	2.129	2.994	11.8	19.1

29648 1998 WM_3 4 6.3 20°.71 1°.7/ 5.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 25.52	− 4 32.2	1.447	2.296	16.1	17.9
3 12	13 21.44	− 4 6.8	1.380	2.300	12.1	17.6
3 22	13 14.79	− 3 30.4	1.334	2.304	7.5	17.4
4 1	13 6.37	− 2 48.5	1.312	2.308	2.7	17.1
4 11	12 57.38	− 2 8.0	1.317	2.313	3.5	17.2
4 21	12 49.03	− 1 35.6	1.347	2.318	8.3	17.4
5 1	12 42.42	− 1 17.0	1.400	2.324	12.8	17.7
5 11	12 38.26	− 1 14.9	1.475	2.331	16.6	18.0

417269 2006 AQ_{31} 4 6.3 91°.12 6°.2/12.4 18 R

3 2	13 29.86	−25 35.9	2.038	2.776	16.0	21.1
3 12	13 24.16	−26 7.4	1.969	2.799	13.3	21.0
3 22	13 16.23	−26 17.4	1.920	2.822	10.4	20.8
4 1	13 6.84	−26 4.4	1.895	2.844	7.7	20.7
4 11	12 56.99	−25 30.2	1.896	2.866	6.2	20.7
4 21	12 47.75	−24 39.4	1.925	2.888	7.0	20.7
5 1	12 40.05	−23 39.1	1.981	2.909	9.4	20.9
5 11	12 34.52	−22 37.1	2.061	2.930	12.0	21.1

87039 2000 KT_5 4 6.3 264°.94 2°.5/ 4.0 18

3 2	13 25.71	− 2 29.1	1.908	2.746	13.3	20.3
3 12	13 21.24	− 1 43.1	1.812	2.727	10.0	20.0
3 22	13 14.58	− 0 47.8	1.740	2.708	6.3	19.7
4 1	13 6.33	+ 0 11.6	1.695	2.688	2.8	19.5
4 11	12 57.38	+ 1 8.4	1.678	2.668	4.0	19.5
4 21	12 48.72	+ 1 56.0	1.688	2.648	8.0	19.7
5 1	12 41.33	+ 2 29.2	1.724	2.628	12.0	19.9
5 11	12 35.93	+ 2 44.8	1.781	2.607	15.5	20.1

63101 2000 WT_{146} 4 6.3 137°.69 11°.9/24.9 18

3 2	13 30.35	+26 35.6	1.877	2.694	14.3	18.0
3 12	13 24.58	+27 58.7	1.834	2.695	12.8	17.9
3 22	13 16.49	+29 4.2	1.812	2.695	12.0	17.9
4 1	13 6.91	+29 42.9	1.814	2.696	12.2	17.9
4 11	12 56.98	+29 49.0	1.839	2.697	13.4	18.0
4 21	12 47.82	+29 21.2	1.885	2.697	15.1	18.1
5 1	12 40.35	+28 21.8	1.951	2.698	17.0	18.2
5 11	12 35.19	+26 56.2	2.033	2.698	18.7	18.4

106663 2000 WY_{144} 4 6.3 93°.54 0°.0/ 6.4 18

3 2	13 27.74	− 9 53.8	1.592	2.418	16.0	19.9
3 12	13 22.80	− 9 19.7	1.529	2.435	12.1	19.7
3 22	13 15.47	− 8 30.1	1.489	2.452	7.6	19.5
4 1	13 6.58	− 7 29.4	1.474	2.469	2.7	19.2
4 11	12 57.28	− 6 24.8	1.486	2.485	2.3	19.2
4 21	12 48.70	− 5 23.8	1.526	2.502	7.0	19.5
5 1	12 41.83	− 4 33.3	1.591	2.517	11.3	19.8
5 11	12 37.29	− 3 58.0	1.677	2.533	15.0	20.1

449108 2012 WS_1 4 6.3 132°.65 1°.6/ 5.2 18

3 2	13 31.06	− 5 5.0	1.450	2.288	16.7	22.1
3 12	13 25.58	− 4 33.1	1.384	2.298	12.5	21.9
3 22	13 17.37	− 3 49.3	1.339	2.307	7.7	21.6
4 1	13 7.30	− 2 59.3	1.320	2.315	2.8	21.3
4 11	12 56.65	− 2 10.4	1.327	2.323	3.5	21.4
4 21	12 46.76	− 1 30.0	1.361	2.331	8.5	21.7
5 1	12 38.78	− 1 3.8	1.419	2.338	13.1	22.0
5 11	12 33.44	− 0 55.0	1.498	2.344	16.9	22.2

1361 Leuschneria 4 6.3 224°.77 4°.2/31.3 18 A

3 2	13 20.88	+ 3 55.1	2.565	3.408	10.1	16.4
3 12	13 16.98	+ 5 27.0	2.485	3.401	7.6	16.2
3 22	13 11.60	+ 7 2.6	2.433	3.394	5.2	16.0
4 1	13 5.20	+ 8 35.7	2.409	3.387	4.2	15.9
4 11	12 58.45	+ 9 59.6	2.416	3.379	5.5	16.0
4 21	12 51.98	+11 9.2	2.450	3.371	8.0	16.1
5 1	12 46.43	+12 0.8	2.511	3.363	10.6	16.3
5 11	12 42.28	+12 32.9	2.593	3.355	12.9	16.5

506642 2006 RE_{54} 4 6.3 212°.42 0°.6/ 5.5 17

3 2	13 22.92	− 6 34.4	2.768	3.584	10.3	22.8
3 12	13 18.41	− 6 1.1	2.675	3.577	7.7	22.7
3 22	13 12.45	− 5 19.8	2.607	3.571	4.8	22.5
4 1	13 5.50	− 4 33.4	2.568	3.563	1.6	22.2
4 11	12 58.19	− 3 45.9	2.559	3.556	1.9	22.2
4 21	12 51.13	− 3 1.4	2.579	3.548	5.1	22.4
5 1	12 44.95	− 2 23.7	2.628	3.539	8.1	22.6
5 11	12 40.13	− 1 55.8	2.701	3.530	10.7	22.8

66831 1999 UJ_{44} 4 6.3 191°.03 2°.4/ 8.8 18

3 2	13 24.64	−16 1.8	2.172	2.963	13.5	19.9
3 12	13 20.14	−15 50.3	2.083	2.963	10.7	19.7
3 22	13 13.73	−15 22.7	2.016	2.962	7.4	19.5
4 1	13 5.99	−14 40.6	1.975	2.961	3.9	19.3
4 11	12 57.76	−13 47.7	1.963	2.959	2.5	19.2
4 21	12 49.90	−12 49.3	1.979	2.957	5.4	19.4
5 1	12 43.24	−11 51.3	2.022	2.956	8.9	19.6
5 11	12 38.37	−10 59.8	2.090	2.953	12.1	19.8

275126 2009 VB_{66} 4 6.3 3°.94 0°.4/ 6.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 24.35	− 8 56.1	1.527	2.365	16.0	20.7
3 12	13 20.54	− 8 47.7	1.453	2.364	12.2	20.4
3 22	13 14.25	− 8 25.1	1.399	2.365	7.8	20.2
4 1	13 6.22	− 7 51.7	1.370	2.365	2.9	19.9
4 11	12 57.56	− 7 13.0	1.367	2.367	2.3	19.8
4 21	12 49.44	− 6 35.5	1.390	2.369	7.2	20.1
5 1	12 42.95	− 6 5.7	1.437	2.372	11.7	20.4
5 11	12 38.81	− 5 48.3	1.506	2.375	15.6	20.6

377441 2004 TX_{307} 4 6.3 200°.56 3°.1/10.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 24.26	−20 13.5	2.403	3.169	13.1	21.3
3 12	13 19.72	−19 48.5	2.304	3.165	10.6	21.1
3 22	13 13.41	−19 5.1	2.229	3.161	7.6	20.9
4 1	13 5.87	−18 4.4	2.179	3.156	4.6	20.7
4 11	12 57.87	−16 49.9	2.159	3.151	3.1	20.6
4 21	12 50.21	−15 27.4	2.168	3.145	5.2	20.7
5 1	12 43.64	−14 3.3	2.205	3.139	8.3	20.9
5 11	12 38.74	−12 44.4	2.268	3.132	11.3	21.1

506833 2007 TL_{189} 4 6.3 226°.97 1°.9/ 8.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 26.55	−13 43.6	2.397	3.189	12.4	22.9
3 12	13 21.46	−13 47.8	2.299	3.180	9.7	22.7
3 22	13 14.53	−13 39.9	2.223	3.172	6.6	22.4
4 1	13 6.28	−13 20.7	2.175	3.163	3.3	22.2
4 11	12 57.49	−12 53.0	2.156	3.154	2.2	22.1
4 21	12 48.98	−12 20.5	2.167	3.144	5.2	22.3
5 1	12 41.53	−11 47.9	2.205	3.134	8.5	22.5
5 11	12 35.76	−11 19.6	2.268	3.124	11.6	22.7

249245 2008 QO_{48} 4 6.3 140°.47 2°.3/ 8.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 25.39	−15 40.2	2.153	2.945	13.6	21.1
3 12	13 20.66	−15 31.6	2.070	2.951	10.7	20.9
3 22	13 14.02	−15 7.5	2.010	2.957	7.3	20.7
4 1	13 6.09	−14 29.4	1.976	2.962	3.9	20.5
4 11	12 57.70	−13 41.0	1.971	2.967	2.5	20.4
4 21	12 49.74	−12 47.4	1.993	2.972	5.4	20.6
5 1	12 43.02	−11 54.7	2.044	2.977	8.9	20.8
5 11	12 38.11	−11 8.2	2.118	2.981	12.0	21.0

468051 2013 RA_{36} 4 6.3 114°.46 6°.6/29.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 24.96	+11 29.1	2.212	3.055	11.5	20.8
3 12	13 20.08	+12 58.1	2.165	3.071	9.0	20.6
3 22	13 13.50	+14 22.9	2.143	3.087	7.1	20.5
4 1	13 5.85	+15 36.1	2.149	3.103	6.6	20.5
4 11	12 57.96	+16 31.5	2.183	3.118	7.9	20.6
4 21	12 50.60	+17 5.5	2.243	3.133	10.1	20.8
5 1	12 44.46	+17 16.7	2.326	3.147	12.4	21.0
5 11	12 40.03	+17 6.5	2.429	3.161	14.4	21.1

193642 2001 DH_{18} 4 6.3 355°.85 1°.4/ 7.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 28.49	− 9 50.9	1.784	2.603	14.9	19.4
3 12	13 23.41	−10 12.5	1.702	2.601	11.5	19.1
3 22	13 15.96	−10 22.9	1.641	2.600	7.5	18.9
4 1	13 6.83	−10 23.4	1.607	2.599	3.2	18.6
4 11	12 57.04	−10 16.8	1.600	2.599	2.2	18.5
4 21	12 47.71	−10 7.2	1.620	2.599	6.4	18.8
5 1	12 39.85	− 9 59.3	1.667	2.599	10.6	19.1
5 11	12 34.23	− 9 57.4	1.736	2.599	14.2	19.3

284754 2008 VD_{13} 4 6.3 143°.59 3°.2/ 3.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 30.27	− 0 48.4	1.790	2.626	14.1	21.9
3 12	13 24.46	+ 0 3.9	1.724	2.638	10.5	21.7
3 22	13 16.42	+ 1 2.8	1.683	2.649	6.6	21.4
4 1	13 6.93	+ 2 2.0	1.668	2.660	3.4	21.3
4 11	12 57.02	+ 2 54.3	1.682	2.670	4.6	21.4
4 21	12 47.75	+ 3 34.0	1.724	2.679	8.4	21.6
5 1	12 40.06	+ 3 57.0	1.791	2.687	12.1	21.8
5 11	12 34.56	+ 4 1.9	1.880	2.694	15.3	22.1

270581 2002 JT_{115} 4 6.3 290°.69 7°.7/30.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 28.30	+13 17.3	1.875	2.719	13.2	20.7
3 12	13 23.18	+14 12.4	1.797	2.702	10.6	20.5
3 22	13 15.77	+15 2.2	1.741	2.686	8.5	20.3
4 1	13 6.75	+15 38.8	1.712	2.669	7.7	20.3
4 11	12 57.12	+15 55.1	1.709	2.652	9.1	20.3
4 21	12 47.93	+15 47.3	1.730	2.635	11.8	20.4
5 1	12 40.16	+15 14.3	1.775	2.618	14.7	20.6
5 11	12 34.53	+14 18.2	1.839	2.602	17.4	20.7

360282 2000 VQ_{22} 4 6.3 161°.31 0°.4/ 5.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 29.41	− 7 36.3	1.951	2.769	13.8	21.9
3 12	13 23.77	− 7 9.3	1.873	2.776	10.5	21.6
3 22	13 16.01	− 6 30.9	1.819	2.782	6.5	21.4
4 1	13 6.80	− 5 44.9	1.792	2.788	2.2	21.1
4 11	12 57.11	− 4 56.6	1.794	2.792	2.3	21.2
4 21	12 47.94	− 4 11.8	1.825	2.796	6.5	21.4
5 1	12 40.18	− 3 35.6	1.882	2.799	10.4	21.7
5 11	12 34.47	− 3 11.8	1.963	2.802	13.8	21.9

164475 2006 EV_{19} 4 6.3 2°.25 0°.2/ 6.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 23.19	− 7 20.5	1.050	1.915	19.6	19.6
3 12	13 20.57	− 7 15.6	0.986	1.913	14.9	19.3
3 22	13 14.70	− 6 54.0	0.940	1.912	9.4	19.0
4 1	13 6.47	− 6 20.3	0.916	1.912	3.3	18.6
4 11	12 57.38	− 5 42.3	0.915	1.914	3.1	18.6
4 21	12 49.05	− 5 8.7	0.936	1.917	9.2	19.0
5 1	12 42.91	− 4 47.6	0.978	1.922	14.8	19.3
5 11	12 39.88	− 4 44.0	1.038	1.928	19.5	19.6

179233 2001 UQ_{60} 4 6.3 255°.82 0°.9/ 8.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 16.52	−12 51.7	4.584	5.370	7.0	20.7
3 12	13 13.15	−12 38.7	4.482	5.363	5.4	20.5
3 22	13 8.97	−12 19.1	4.407	5.357	3.6	20.4
4 1	13 4.25	−11 54.1	4.361	5.350	1.7	20.3
4 11	12 59.33	−11 25.6	4.345	5.343	1.1	20.2
4 21	12 54.55	−10 55.5	4.360	5.336	2.8	20.3
5 1	12 50.24	−10 26.0	4.403	5.330	4.7	20.5
5 11	12 46.69	− 9 59.3	4.473	5.323	6.4	20.6

374459 2005 XA_{42} 4 6.3 239°.30 3°.1/ 9.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 25.37	−17 56.5	2.066	2.851	14.3	21.5
3 12	13 20.92	−17 45.7	1.966	2.839	11.5	21.2
3 22	13 14.36	−17 16.4	1.887	2.828	8.1	21.0
4 1	13 6.27	−16 29.2	1.834	2.816	4.7	20.8
4 11	12 57.53	−15 27.8	1.809	2.803	3.1	20.6
4 21	12 49.10	−14 17.8	1.812	2.790	5.8	20.8
5 1	12 41.91	−13 6.3	1.842	2.777	9.5	21.0
5 11	12 36.65	−12 0.5	1.896	2.763	13.0	21.2

199151 2005 YC_{154} 4 6.3 127°.51 1°.6/ 5.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 29.18	− 5 11.6	1.499	2.338	16.2	20.8
3 12	13 24.11	− 4 37.5	1.430	2.345	12.2	20.6
3 22	13 16.44	− 3 51.6	1.384	2.352	7.5	20.3
4 1	13 6.99	− 2 59.3	1.363	2.359	2.7	20.0
4 11	12 56.96	− 2 8.0	1.369	2.365	3.5	20.1
4 21	12 47.63	− 1 25.0	1.401	2.371	8.3	20.4
5 1	12 40.08	− 0 56.0	1.458	2.377	12.7	20.7
5 11	12 35.05	− 0 44.5	1.536	2.382	16.6	20.9

241443 2008 YN_{15} 4 6.3 256°.34 0°.6/ 5.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 23.06	− 7 21.0	2.145	2.970	12.5	21.0
3 12	13 18.91	− 6 46.8	2.059	2.967	9.4	20.8
3 22	13 12.95	− 6 1.9	1.998	2.963	5.8	20.5
4 1	13 5.73	− 5 9.9	1.963	2.959	2.0	20.3
4 11	12 58.04	− 4 16.1	1.957	2.955	2.2	20.3
4 21	12 50.73	− 3 25.8	1.980	2.951	6.1	20.5
5 1	12 44.55	− 2 44.2	2.029	2.947	9.7	20.7
5 11	12 40.09	− 2 15.0	2.101	2.943	12.9	20.9

62342 2000 SD_{132} 4 6.3 311°.45 7°.6/13.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 23.22	−28 2.6	1.738	2.486	18.0	18.9
3 12	13 19.87	−28 24.2	1.642	2.476	15.4	18.7
3 22	13 13.98	−28 18.7	1.565	2.466	12.4	18.5
4 1	13 6.20	−27 43.0	1.509	2.456	9.5	18.3
4 11	12 57.59	−26 38.5	1.478	2.447	7.7	18.1
4 21	12 49.38	−25 10.3	1.471	2.438	8.3	18.2
5 1	12 42.71	−23 28.0	1.490	2.429	11.0	18.3
5 11	12 38.44	−21 42.9	1.531	2.420	14.3	18.5

276145 2002 JO_{38} 4 6.4 310°.05 4°.0/ 9.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 21.72	−19 8.0	1.709	2.507	16.3	20.7
3 12	13 18.72	−19 3.4	1.601	2.481	13.3	20.5
3 22	13 13.30	−18 36.1	1.513	2.455	9.7	20.2
4 1	13 5.99	−17 45.4	1.448	2.429	5.9	19.9
4 11	12 57.77	−16 34.8	1.410	2.403	4.0	19.7
4 21	12 49.77	−15 10.7	1.397	2.378	6.8	19.8
5 1	12 43.13	−13 42.6	1.410	2.353	11.1	20.0
5 11	12 38.74	−12 20.1	1.445	2.329	15.3	20.2

265639 2005 TA_{24} 4 6.4 178°.73 6°.1/31.0 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 26.64	+ 9 0.7	2.038	2.882	12.3	21.2
3 12	13 21.60	+10 11.5	1.972	2.883	9.5	21.0
3 22	13 14.60	+11 20.7	1.931	2.884	7.1	20.9
4 1	13 6.31	+12 21.0	1.917	2.884	6.1	20.8
4 11	12 57.61	+13 5.7	1.931	2.884	7.5	20.9
4 21	12 49.41	+13 30.3	1.971	2.884	10.1	21.0
5 1	12 42.51	+13 33.1	2.035	2.883	12.9	21.2
5 11	12 37.51	+13 14.6	2.119	2.882	15.4	21.4

173080 2006 UN_{188} 4 6.4 282°.66 6°.5/13.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 24.90	−27 26.0	2.289	3.016	14.7	20.0
3 12	13 20.57	−27 58.8	2.187	3.006	12.6	19.8
3 22	13 14.16	−28 11.9	2.105	2.996	10.2	19.7
4 1	13 6.23	−28 3.0	2.046	2.986	7.9	19.5
4 11	12 57.62	−27 32.7	2.014	2.976	6.6	19.4
4 21	12 49.26	−26 43.9	2.008	2.965	7.2	19.4
5 1	12 42.09	−25 42.5	2.028	2.955	9.2	19.5
5 11	12 36.80	−24 35.8	2.073	2.945	11.8	19.6

519588 2012 TA_{328} 4 6.4 193°.21 0°.3/ 6.0 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 22.61	− 8 45.7	2.361	3.178	11.7	22.1
3 12	13 18.41	− 8 3.7	2.275	3.177	8.9	21.9
3 22	13 12.56	− 7 10.4	2.213	3.176	5.5	21.7
4 1	13 5.59	− 6 9.5	2.179	3.174	1.9	21.4
4 11	12 58.23	− 5 5.9	2.174	3.173	1.9	21.4
4 21	12 51.20	− 4 5.1	2.199	3.171	5.5	21.7
5 1	12 45.22	− 3 12.0	2.250	3.168	8.9	21.9
5 11	12 40.80	− 2 30.6	2.326	3.166	11.9	22.1

313018 1999 WU_{10} 4 6.4 80°.53 1°.6/ 5.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 27.49	− 5 13.8	1.556	2.396	15.7	21.1
3 12	13 22.65	− 4 35.2	1.496	2.411	11.7	20.9
3 22	13 15.41	− 3 45.4	1.458	2.426	7.2	20.7
4 1	13 6.62	− 2 50.1	1.445	2.441	2.6	20.4
4 11	12 57.40	− 1 56.6	1.460	2.456	3.4	20.5
4 21	12 48.91	− 1 11.9	1.501	2.471	7.9	20.8
5 1	12 42.12	− 0 41.2	1.567	2.486	12.1	21.1
5 11	12 37.67	− 0 27.6	1.655	2.500	15.6	21.3

408733 2014 OO_{59} 4 6.4 312°.83 4°.7/ 3.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 25.89	+ 0 22.5	1.221	2.087	17.4	20.6
3 12	13 22.37	+ 1 14.6	1.146	2.074	13.2	20.3
3 22	13 15.77	+ 2 16.1	1.091	2.063	8.5	20.0
4 1	13 6.90	+ 3 18.5	1.060	2.051	4.8	19.8
4 11	12 57.09	+ 4 11.0	1.052	2.040	6.6	19.9
4 21	12 47.84	+ 4 44.8	1.069	2.029	11.5	20.1
5 1	12 40.57	+ 4 54.1	1.106	2.019	16.4	20.3
5 11	12 36.19	+ 4 37.4	1.161	2.010	20.6	20.6

203367 2001 WO_{5} 4 6.4 90°.61 1°.2/ 5.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 29.02	− 6 56.6	1.476	2.313	16.5	20.5
3 12	13 23.86	− 6 12.7	1.420	2.333	12.4	20.2
3 22	13 16.18	− 5 15.2	1.385	2.353	7.6	20.0
4 1	13 6.89	− 4 10.0	1.376	2.372	2.6	19.7
4 11	12 57.21	− 3 5.4	1.394	2.391	3.1	19.8
4 21	12 48.36	− 2 9.1	1.439	2.410	7.9	20.2
5 1	12 41.35	− 1 27.5	1.508	2.428	12.3	20.5
5 11	12 36.82	− 1 3.8	1.598	2.446	15.9	20.7

198263 2004 TW_{249} 4 6.4 225°.29 5°.3/30.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 24.66	+ 8 0.0	2.437	3.277	10.7	21.0
3 12	13 19.94	+ 9 21.4	2.355	3.265	8.3	20.8
3 22	13 13.54	+10 43.6	2.299	3.252	6.1	20.6
4 1	13 5.96	+12 0.0	2.272	3.239	5.3	20.6
4 11	12 57.94	+13 4.1	2.274	3.225	6.7	20.6
4 21	12 50.22	+13 51.1	2.303	3.210	9.1	20.8
5 1	12 43.52	+14 18.0	2.357	3.195	11.7	20.9
5 11	12 38.39	+14 24.5	2.432	3.179	14.0	21.0

299267 2005 NZ_{63} 4 6.4 202°.81 0°.2/ 6.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 22.24	−10 1.9	2.722	3.529	10.7	21.6
3 12	13 17.95	− 9 29.9	2.630	3.526	8.1	21.4
3 22	13 12.21	− 8 47.7	2.563	3.522	5.1	21.2
4 1	13 5.47	− 7 57.9	2.524	3.518	1.9	21.0
4 11	12 58.38	− 7 4.3	2.515	3.514	1.5	20.9
4 21	12 51.56	− 6 11.5	2.535	3.509	4.8	21.2
5 1	12 45.64	− 5 23.6	2.584	3.504	7.8	21.3
5 11	12 41.09	− 4 44.4	2.657	3.499	10.5	21.5

501025 2013 RP_{60} 4 6.4 226°.27 6°.0/12.0 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 28.86	−25 17.3	2.263	2.997	14.7	21.4
3 12	13 23.57	−25 50.1	2.159	2.988	12.4	21.2
3 22	13 16.08	−26 4.1	2.076	2.977	9.8	21.0
4 1	13 6.94	−25 57.2	2.017	2.966	7.3	20.8
4 11	12 57.06	−25 29.7	1.985	2.955	6.0	20.7
4 21	12 47.42	−24 45.0	1.981	2.943	6.9	20.7
5 1	12 39.01	−23 48.6	2.004	2.930	9.4	20.9
5 11	12 32.58	−22 48.1	2.052	2.918	12.2	21.0

56307 1999 RY_{125} 4 6.4 308°.12 7°.6/12.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 26.79	−27 24.3	2.144	2.873	15.5	18.3
3 12	13 22.31	−28 24.9	2.035	2.853	13.4	18.1
3 22	13 15.47	−29 7.0	1.946	2.834	11.0	17.9
4 1	13 6.79	−29 27.1	1.880	2.815	8.8	17.7
4 11	12 57.15	−29 23.9	1.840	2.795	7.6	17.6
4 21	12 47.64	−28 59.1	1.825	2.776	8.3	17.6
5 1	12 39.34	−28 17.7	1.836	2.758	10.4	17.7
5 11	12 33.13	−27 27.2	1.870	2.740	13.0	17.8

91996 1999 VG_{133} 4 6.4 295°.06 2°.8/ 9.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 20.17	−20 0.4	2.361	3.136	13.0	19.9
3 12	13 16.75	−19 22.8	2.258	3.125	10.5	19.7
3 22	13 11.61	−18 25.7	2.178	3.115	7.5	19.5
4 1	13 5.30	−17 10.6	2.124	3.104	4.4	19.3
4 11	12 58.53	−15 41.8	2.099	3.093	2.9	19.2
4 21	12 52.06	−14 5.4	2.103	3.083	5.1	19.3
5 1	12 46.62	−12 28.6	2.135	3.072	8.3	19.5
5 11	12 42.76	−10 58.6	2.192	3.062	11.4	19.6

188815 2005 XZ_{12} 4 6.4 102°.53 1°.0/ 5.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 24.67	− 6 42.6	1.840	2.672	13.9	20.6
3 12	13 20.34	− 6 3.2	1.765	2.676	10.5	20.3
3 22	13 13.94	− 5 12.1	1.714	2.680	6.5	20.1
4 1	13 6.12	− 4 13.9	1.688	2.684	2.2	19.8
4 11	12 57.84	− 3 15.0	1.691	2.688	2.7	19.9
4 21	12 50.06	− 2 21.9	1.721	2.692	6.9	20.1
5 1	12 43.65	− 1 40.2	1.777	2.696	10.8	20.4
5 11	12 39.23	− 1 13.4	1.856	2.700	14.2	20.6

341376 2007 TD_{113} 4 6.4 171°.10 4°.9/11.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 24.80	−24 10.6	2.387	3.131	13.8	21.2
3 12	13 20.23	−24 21.1	2.294	3.132	11.4	21.0
3 22	13 13.80	−24 13.1	2.223	3.133	8.8	20.8
4 1	13 6.08	−23 45.8	2.177	3.134	6.3	20.7
4 11	12 57.86	−23 1.4	2.158	3.135	4.9	20.6
4 21	12 50.00	−22 3.8	2.168	3.136	5.9	20.6
5 1	12 43.28	−20 59.0	2.204	3.136	8.3	20.8
5 11	12 38.30	−19 53.6	2.266	3.137	11.0	20.9

423610 2005 WW_{59} 4 6.4 123°.61 5°.1/31.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 26.13	+ 6 46.1	2.244	3.084	11.5	22.0
3 12	13 20.92	+ 8 5.4	2.191	3.103	8.7	21.9
3 22	13 14.03	+ 9 24.3	2.164	3.120	6.2	21.7
4 1	13 6.10	+10 35.9	2.165	3.137	5.1	21.7
4 11	12 57.91	+11 34.1	2.196	3.154	6.4	21.8
4 21	12 50.25	+12 14.5	2.253	3.169	8.9	22.0
5 1	12 43.81	+12 35.2	2.336	3.184	11.4	22.2
5 11	12 39.07	+12 36.4	2.439	3.199	13.7	22.3

140882 2001 VG_{22} 4 6.4 217°.06 2°.4/ 3.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 25.13	− 0 3.2	2.391	3.223	11.1	20.1
3 12	13 20.25	+ 0 23.9	2.309	3.221	8.3	19.9
3 22	13 13.70	+ 0 54.9	2.252	3.218	5.2	19.7
4 1	13 6.02	+ 1 25.9	2.223	3.215	2.6	19.6
4 11	12 57.94	+ 1 52.6	2.223	3.212	3.5	19.6
4 21	12 50.21	+ 2 11.2	2.252	3.208	6.6	19.8
5 1	12 43.54	+ 2 18.7	2.308	3.205	9.7	20.0
5 11	12 38.46	+ 2 13.8	2.387	3.201	12.4	20.2

268980 2007 EF_{65} 4 6.4 78°.03 1°.7/ 4.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 25.46	− 4 16.6	1.793	2.631	14.0	21.1
3 12	13 21.01	− 3 41.2	1.717	2.632	10.5	20.8
3 22	13 14.40	− 2 56.2	1.664	2.632	6.5	20.6
4 1	13 6.30	− 2 6.5	1.638	2.633	2.5	20.3
4 11	12 57.70	− 1 18.5	1.639	2.634	3.3	20.4
4 21	12 49.58	− 0 38.2	1.668	2.635	7.5	20.7
5 1	12 42.89	− 0 10.4	1.722	2.636	11.4	20.9
5 11	12 38.25	+ 0 1.7	1.797	2.637	14.8	21.1

326424 2001 TA_{130} 4 6.4 310°.17 0°.7/ 7.0 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 24.22	−11 23.9	1.726	2.549	15.1	21.2
3 12	13 20.24	−10 54.3	1.644	2.547	11.6	20.9
3 22	13 14.01	−10 8.1	1.584	2.546	7.5	20.7
4 1	13 6.19	− 9 8.7	1.550	2.544	3.0	20.4
4 11	12 57.79	− 8 2.2	1.543	2.543	2.0	20.3
4 21	12 49.86	− 6 55.9	1.563	2.542	6.6	20.6
5 1	12 43.37	− 5 57.2	1.609	2.540	10.9	20.8
5 11	12 39.03	− 5 11.8	1.677	2.539	14.7	21.1

248223 2005 EK_{196} 4 6.4 138°.45 0°.7/ 6.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 26.79	−10 56.5	1.643	2.466	15.8	20.6
3 12	13 22.25	−10 34.9	1.566	2.469	12.1	20.4
3 22	13 15.29	− 9 57.1	1.511	2.472	7.8	20.1
4 1	13 6.64	− 9 6.4	1.481	2.475	3.1	19.8
4 11	12 57.41	− 8 8.8	1.478	2.477	2.1	19.8
4 21	12 48.72	− 7 11.4	1.502	2.480	6.9	20.1
5 1	12 41.62	− 6 21.4	1.551	2.482	11.3	20.3
5 11	12 36.82	− 5 44.3	1.623	2.484	15.1	20.6

171529 1999 JK_{70} 4 6.4 337°.89 3°.5/ 3.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 24.13	+ 1 37.3	1.920	2.767	12.8	19.5
3 12	13 19.91	+ 2 12.6	1.843	2.762	9.6	19.3
3 22	13 13.67	+ 2 51.7	1.789	2.756	6.2	19.0
4 1	13 6.05	+ 3 29.3	1.762	2.751	3.6	18.9
4 11	12 57.93	+ 3 59.5	1.762	2.747	4.8	18.9
4 21	12 50.24	+ 4 17.7	1.789	2.742	8.2	19.1
5 1	12 43.83	+ 4 20.5	1.841	2.738	11.7	19.3
5 11	12 39.33	+ 4 6.9	1.914	2.735	14.8	19.5

406889 2009 DV_{16} 4 6.4 115°.57 4°.2/ 9.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 32.55	−18 38.2	1.765	2.544	16.6	21.4
3 12	13 26.43	−18 59.0	1.694	2.562	13.3	21.2
3 22	13 17.81	−19 0.4	1.645	2.580	9.6	21.0
4 1	13 7.52	−18 42.1	1.620	2.597	5.9	20.8
4 11	12 56.69	−18 7.0	1.623	2.613	4.3	20.7
4 21	12 46.54	−17 20.8	1.654	2.629	6.6	20.9
5 1	12 38.12	−16 30.7	1.711	2.644	10.2	21.1
5 11	12 32.12	−15 44.1	1.791	2.659	13.6	21.4

165538 2001 DV_9 4 6.4 96°.96 0°.8/ 6.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 33.32	− 9 35.0	1.724	2.536	15.6	20.6
3 12	13 26.79	− 9 35.6	1.664	2.561	11.9	20.4
3 22	13 17.90	− 9 23.4	1.627	2.586	7.6	20.2
4 1	13 7.50	− 9 1.3	1.616	2.610	3.0	19.9
4 11	12 56.75	− 8 33.6	1.634	2.633	2.1	19.9
4 21	12 46.78	− 8 5.7	1.680	2.656	6.5	20.2
5 1	12 38.57	− 7 42.9	1.752	2.678	10.5	20.5
5 11	12 32.72	− 7 29.1	1.848	2.699	14.0	20.8

469063 2015 BJ_5 4 6.4 51°.30 4°.4/ 2.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 23.36	+ 1 9.2	1.621	2.477	14.3	21.0
3 12	13 19.43	+ 2 27.3	1.569	2.493	10.6	20.8
3 22	13 13.34	+ 3 50.6	1.541	2.509	6.8	20.6
4 1	13 5.90	+ 5 10.8	1.539	2.526	4.5	20.5
4 11	12 58.12	+ 6 19.2	1.563	2.543	6.0	20.7
4 21	12 51.02	+ 7 9.2	1.614	2.560	9.5	20.9
5 1	12 45.44	+ 7 37.3	1.687	2.578	13.0	21.2
5 11	12 41.96	+ 7 43.0	1.782	2.595	16.0	21.4

219464 2000 YS_{36} 4 6.4 84°.44 0°.2/ 6.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 27.09	− 8 57.5	2.008	2.825	13.5	20.9
3 12	13 21.77	− 8 19.2	1.953	2.855	10.1	20.7
3 22	13 14.60	− 7 29.2	1.921	2.884	6.3	20.5
4 1	13 6.31	− 6 32.0	1.917	2.912	2.2	20.3
4 11	12 57.79	− 5 33.2	1.942	2.941	2.0	20.3
4 21	12 49.92	− 4 38.6	1.996	2.969	5.9	20.6
5 1	12 43.43	− 3 53.2	2.076	2.996	9.5	20.9
5 11	12 38.83	− 3 20.5	2.180	3.022	12.5	21.1

176433 2001 VR_{110} 4 6.4 219°.71 2°.8/ 9.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 22.86	−18 11.3	2.429	3.207	12.6	20.7
3 12	13 18.68	−18 1.7	2.335	3.205	10.1	20.5
3 22	13 12.79	−17 36.5	2.264	3.202	7.2	20.3
4 1	13 5.73	−16 56.6	2.219	3.199	4.2	20.1
4 11	12 58.22	−16 5.0	2.203	3.196	2.9	20.0
4 21	12 51.03	−15 6.5	2.215	3.193	5.0	20.2
5 1	12 44.87	−14 6.6	2.255	3.189	8.0	20.3
5 11	12 40.31	−13 10.7	2.320	3.186	11.0	20.5

504478 2008 EJ_{106} 4 6.4 116°.62 3°.9/ 1.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 21.41	+ 4 0.4	2.523	3.366	10.3	21.4
3 12	13 17.34	+ 5 10.9	2.458	3.373	7.7	21.2
3 22	13 11.81	+ 6 23.4	2.419	3.381	5.2	21.1
4 1	13 5.34	+ 7 32.3	2.408	3.388	3.9	21.0
4 11	12 58.59	+ 8 32.1	2.427	3.396	5.1	21.1
4 21	12 52.21	+ 9 18.4	2.473	3.403	7.5	21.3
5 1	12 46.81	+ 9 48.6	2.545	3.410	10.1	21.4
5 11	12 42.82	+10 1.7	2.639	3.416	12.3	21.6

122359 2000 QS_{50} 4 6.4 173°.80 1°.2/ 7.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 27.13	−12 7.1	2.256	3.056	12.8	20.6
3 12	13 21.91	−11 56.6	2.170	3.059	9.9	20.5
3 22	13 14.82	−11 33.5	2.107	3.061	6.5	20.2
4 1	13 6.45	−10 59.9	2.071	3.062	2.9	20.0
4 11	12 57.61	−10 19.4	2.065	3.063	1.8	19.9
4 21	12 49.16	− 9 36.8	2.087	3.064	5.3	20.2
5 1	12 41.88	− 8 57.0	2.138	3.064	8.9	20.4
5 11	12 36.38	− 8 24.5	2.212	3.064	12.0	20.6

247782 2003 RZ_7 4 6.4 240°.97 3°.0/ 9.0 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 26.50	−17 5.1	1.765	2.562	15.9	21.0
3 12	13 22.14	−16 52.4	1.669	2.551	12.7	20.8
3 22	13 15.33	−16 19.0	1.594	2.540	8.9	20.5
4 1	13 6.72	−15 25.6	1.543	2.528	4.9	20.3
4 11	12 57.34	−14 16.6	1.520	2.516	3.2	20.1
4 21	12 48.31	−12 58.9	1.524	2.504	6.5	20.3
5 1	12 40.75	−11 41.2	1.554	2.491	10.8	20.5
5 11	12 35.45	−10 31.9	1.607	2.478	14.7	20.7

56998 2000 SA_{310} 4 6.4 217°.78 7°.8/16.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 25.39	−36 11.5	2.767	3.417	14.0	18.7
3 12	13 20.73	−36 43.4	2.664	3.412	12.4	18.5
3 22	13 14.17	−36 54.2	2.579	3.407	10.7	18.4
4 1	13 6.25	−36 41.5	2.516	3.401	9.1	18.3
4 11	12 57.76	−36 5.1	2.479	3.395	8.0	18.2
4 21	12 49.56	−35 7.2	2.467	3.389	7.9	18.2
5 1	12 42.46	−33 52.8	2.481	3.382	8.9	18.2
5 11	12 37.11	−32 28.9	2.520	3.376	10.6	18.3

385504 2004 ED_{48} 4 6.4 318°.39 2°.6/ 8.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 27.35	−14 16.9	2.163	2.956	13.5	20.8
3 12	13 22.26	−14 40.5	2.073	2.954	10.6	20.6
3 22	13 15.15	−14 51.8	2.005	2.952	7.4	20.4
4 1	13 6.60	−14 50.7	1.964	2.949	4.0	20.2
4 11	12 57.47	−14 39.6	1.952	2.947	2.8	20.1
4 21	12 48.68	−14 21.8	1.968	2.945	5.6	20.3
5 1	12 41.09	−14 1.7	2.011	2.943	9.0	20.5
5 11	12 35.38	−13 44.3	2.078	2.941	12.2	20.7

386229 2007 YW_{42} 4 6.4 9°.23 5°.4/31.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 24.29	+ 8 30.3	2.193	3.038	11.5	20.8
3 12	13 19.73	+ 9 23.6	2.125	3.038	8.9	20.7
3 22	13 13.41	+10 15.2	2.083	3.038	6.5	20.5
4 1	13 5.93	+10 59.2	2.068	3.039	5.4	20.4
4 11	12 58.09	+11 29.8	2.080	3.039	6.6	20.5
4 21	12 50.69	+11 43.5	2.119	3.040	9.1	20.7
5 1	12 44.46	+11 38.6	2.182	3.040	11.8	20.8
5 11	12 39.93	+11 15.4	2.267	3.041	14.2	21.0

265791 2005 WT_{156} 4 6.4 228°.89 2°.6/ 3.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 26.83	− 0 49.5	2.247	3.078	11.8	21.7
3 12	13 21.74	− 0 6.1	2.155	3.066	8.9	21.5
3 22	13 14.76	+ 0 43.5	2.087	3.053	5.6	21.3
4 1	13 6.45	+ 1 34.5	2.048	3.040	2.8	21.1
4 11	12 57.61	+ 2 21.5	2.038	3.025	3.9	21.1
4 21	12 49.07	+ 2 59.5	2.056	3.011	7.3	21.3
5 1	12 41.64	+ 3 24.3	2.102	2.995	10.6	21.5
5 11	12 35.95	+ 3 33.9	2.170	2.979	13.6	21.6

406390 2007 TF_9 4 6.4 147°.14 0°.6/ 5.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 29.43	− 7 16.9	1.951	2.770	13.8	22.0
3 12	13 23.77	− 6 45.6	1.878	2.781	10.4	21.8
3 22	13 16.01	− 6 3.3	1.828	2.791	6.5	21.5
4 1	13 6.87	− 5 13.8	1.805	2.801	2.2	21.3
4 11	12 57.30	− 4 22.9	1.812	2.810	2.4	21.3
4 21	12 48.27	− 3 36.2	1.847	2.818	6.5	21.6
5 1	12 40.67	− 2 58.9	1.909	2.825	10.4	21.8
5 11	12 35.11	− 2 34.6	1.994	2.832	13.7	22.0

459495 2013 CJ_{168} 4 6.4 141°.91 4°.4/10.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 29.73	−20 8.7	1.673	2.455	17.3	22.0
3 12	13 24.53	−20 10.2	1.596	2.464	14.0	21.8
3 22	13 16.76	−19 48.6	1.538	2.473	10.1	21.6
4 1	13 7.19	−19 4.3	1.505	2.482	6.3	21.3
4 11	12 57.01	−18 1.0	1.499	2.490	4.4	21.2
4 21	12 47.44	−16 46.0	1.519	2.497	6.9	21.4
5 1	12 39.60	−15 28.4	1.566	2.503	10.7	21.6
5 11	12 34.22	−14 17.1	1.636	2.509	14.4	21.9

332897 2011 BB_{25} 4 6.4 61°.26 4°.1/ 2.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 24.53	+ 0 30.7	1.622	2.475	14.5	20.8
3 12	13 20.37	+ 1 39.1	1.563	2.486	10.8	20.6
3 22	13 13.99	+ 2 53.7	1.528	2.496	6.9	20.4
4 1	13 6.16	+ 4 6.8	1.518	2.507	4.2	20.3
4 11	12 57.93	+ 5 9.8	1.535	2.518	5.7	20.4
4 21	12 50.34	+ 5 56.1	1.578	2.529	9.3	20.6
5 1	12 44.30	+ 6 21.8	1.646	2.541	13.0	20.9
5 11	12 40.41	+ 6 25.9	1.733	2.552	16.1	21.1

69804 1998 RV_{22} 4 6.4 258°.11 3°.4/ 2.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 22.99	− 0 7.6	2.111	2.953	12.0	19.6
3 12	13 18.96	+ 1 0.6	2.023	2.940	9.0	19.4
3 22	13 13.06	+ 2 16.2	1.960	2.927	5.7	19.2
4 1	13 5.86	+ 3 33.1	1.924	2.914	3.4	19.0
4 11	12 58.14	+ 4 44.3	1.917	2.900	4.8	19.0
4 21	12 50.74	+ 5 43.4	1.938	2.886	8.1	19.2
5 1	12 44.46	+ 6 25.8	1.985	2.872	11.5	19.4
5 11	12 39.91	+ 6 49.1	2.053	2.858	14.5	19.6

330669 2008 GE_{101} 4 6.4 284°.37 2°.4/ 4.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 27.61	− 2 1.4	1.752	2.591	14.2	21.7
3 12	13 22.97	− 1 35.5	1.654	2.569	10.8	21.4
3 22	13 15.88	− 1 1.7	1.579	2.547	6.8	21.1
4 1	13 6.95	− 0 24.5	1.530	2.524	2.9	20.8
4 11	12 57.15	+ 0 9.8	1.509	2.502	4.0	20.9
4 21	12 47.64	+ 0 35.4	1.514	2.479	8.4	21.1
5 1	12 39.50	+ 0 47.2	1.545	2.456	12.7	21.2
5 11	12 33.58	+ 0 42.5	1.596	2.433	16.5	21.4

40109 1998 QC_8 4 6.4 254°.31 2°.1/ 8.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 24.52	−15 31.6	2.316	3.105	12.8	19.4
3 12	13 20.11	−15 14.0	2.207	3.087	10.1	19.2
3 22	13 13.81	−14 40.8	2.122	3.069	7.0	19.0
4 1	13 6.15	−13 53.3	2.063	3.050	3.6	18.7
4 11	12 57.87	−12 55.0	2.033	3.030	2.3	18.6
4 21	12 49.82	−11 51.1	2.032	3.010	5.3	18.8
5 1	12 42.82	−10 47.5	2.058	2.990	8.9	18.9
5 11	12 37.51	− 9 50.2	2.110	2.969	12.2	19.1

102508 1999 TZ_{291} 4 6.4 242°.37 1°.1/ 5.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 26.90	− 6 30.9	1.917	2.743	13.7	20.9
3 12	13 22.17	− 5 49.1	1.820	2.728	10.4	20.6
3 22	13 15.24	− 4 54.6	1.746	2.712	6.5	20.4
4 1	13 6.68	− 3 51.9	1.700	2.695	2.3	20.1
4 11	12 57.42	− 2 47.2	1.682	2.678	2.9	20.1
4 21	12 48.46	− 1 47.3	1.692	2.661	7.2	20.3
5 1	12 40.80	− 0 58.6	1.728	2.642	11.4	20.5
5 11	12 35.17	− 0 25.4	1.787	2.623	15.0	20.7

346759 2009 BV_{46} 4 6.4 72°.76 4°.3/10.7 17 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 25.22	−20 36.8	2.181	2.949	14.2	20.6
3 12	13 20.64	−20 53.3	2.097	2.955	11.5	20.5
3 22	13 14.11	−20 52.3	2.034	2.961	8.6	20.3
4 1	13 6.23	−20 33.7	1.997	2.967	5.7	20.1
4 11	12 57.85	−19 59.9	1.988	2.973	4.3	20.0
4 21	12 49.87	−19 15.0	2.006	2.979	5.8	20.1
5 1	12 43.13	−18 24.9	2.050	2.986	8.7	20.3
5 11	12 38.24	−17 35.8	2.120	2.992	11.6	20.5

16024 1999 CT_{101} 4 6.4 268°.37 1°.8/ 7.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 31.03	−10 54.8	1.856	2.664	14.8	17.1
3 12	13 25.48	−11 21.1	1.758	2.651	11.6	16.9
3 22	13 17.42	−11 36.2	1.683	2.638	7.8	16.6
4 1	13 7.49	−11 40.7	1.634	2.624	3.6	16.3
4 11	12 56.70	−11 36.6	1.613	2.611	2.4	16.2
4 21	12 46.18	−11 27.6	1.620	2.597	6.5	16.4
5 1	12 37.08	−11 18.5	1.653	2.584	10.8	16.6
5 11	12 30.23	−11 14.1	1.710	2.570	14.5	16.8

101173 1998 SY_4 4 6.4 212°.46 1°.5/ 4.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 26.88	− 4 48.2	2.142	2.966	12.5	20.9
3 12	13 21.85	− 4 5.2	2.051	2.959	9.4	20.6
3 22	13 14.86	− 3 12.7	1.985	2.951	5.8	20.4
4 1	13 6.50	− 2 14.9	1.947	2.942	2.2	20.1
4 11	12 57.61	− 1 17.6	1.939	2.933	3.0	20.2
4 21	12 49.06	− 0 26.5	1.959	2.923	6.8	20.4
5 1	12 41.70	+ 0 13.4	2.006	2.912	10.4	20.6
5 11	12 36.16	+ 0 38.8	2.076	2.901	13.6	20.8

255750 2006 RC_{18} 4 6.4 187°.99 3°.2/ 9.5 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 28.21	−18 12.3	2.205	2.979	13.9	22.1
3 12	13 22.89	−18 9.4	2.112	2.979	11.1	21.9
3 22	13 15.53	−17 49.6	2.041	2.977	7.9	21.7
4 1	13 6.75	−17 13.4	1.996	2.976	4.7	21.5
4 11	12 57.41	−16 23.8	1.980	2.973	3.2	21.4
4 21	12 48.44	−15 25.8	1.993	2.970	5.6	21.5
5 1	12 40.72	−14 25.7	2.034	2.966	9.0	21.7
5 11	12 34.89	−13 29.8	2.099	2.961	12.1	21.9

320500 2007 XG_5 4 6.4 158°.59 1°.0/ 5.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 23.44	− 5 24.9	2.454	3.277	11.2	21.3
3 12	13 18.95	− 4 49.6	2.374	3.281	8.3	21.1
3 22	13 12.88	− 4 6.4	2.318	3.284	5.1	20.9
4 1	13 5.76	− 3 18.8	2.291	3.287	1.8	20.7
4 11	12 58.29	− 2 31.5	2.294	3.289	2.3	20.8
4 21	12 51.17	− 1 48.9	2.325	3.292	5.7	21.0
5 1	12 45.07	− 1 15.1	2.384	3.294	8.8	21.2
5 11	12 40.49	− 0 52.6	2.466	3.296	11.6	21.4

244219 2002 AV_{106} 4 6.4 102°.49 3°.9/ 3.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 28.16	− 0 14.4	1.503	2.353	15.6	20.3
3 12	13 23.26	+ 0 47.2	1.444	2.364	11.6	20.1
3 22	13 15.87	+ 1 56.1	1.408	2.376	7.3	19.9
4 1	13 6.85	+ 3 4.3	1.397	2.388	4.1	19.7
4 11	12 57.38	+ 4 3.0	1.413	2.399	5.6	19.8
4 21	12 48.66	+ 4 45.4	1.455	2.410	9.6	20.1
5 1	12 41.70	+ 5 7.1	1.520	2.420	13.6	20.3
5 11	12 37.15	+ 5 7.2	1.606	2.431	17.0	20.6

387992 2005 QQ_{65} 4 6.4 242°.08 5°.2/29.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 20.93	+ 6 48.0	2.555	3.400	10.1	20.6
3 12	13 17.11	+ 8 39.2	2.476	3.390	7.7	20.5
3 22	13 11.76	+10 33.1	2.425	3.379	5.8	20.3
4 1	13 5.38	+12 22.3	2.404	3.369	5.2	20.3
4 11	12 58.60	+13 59.6	2.412	3.358	6.7	20.3
4 21	12 52.09	+15 19.3	2.448	3.347	9.0	20.5
5 1	12 46.49	+16 17.9	2.509	3.335	11.4	20.6
5 11	12 42.30	+16 54.4	2.590	3.323	13.6	20.8

150775 2001 QY_{248} 4 6.4 140°.90 1°.3/ 5.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 27.55	− 4 39.7	2.108	2.933	12.7	20.5
3 12	13 22.22	− 4 7.6	2.036	2.943	9.5	20.3
3 22	13 14.99	− 3 27.3	1.987	2.953	5.8	20.1
4 1	13 6.52	− 2 43.0	1.967	2.962	2.1	19.9
4 11	12 57.67	− 1 59.8	1.975	2.970	2.8	19.9
4 21	12 49.31	− 1 22.7	2.012	2.979	6.5	20.2
5 1	12 42.22	− 0 55.7	2.076	2.986	10.0	20.4
5 11	12 36.98	− 0 41.6	2.164	2.993	13.0	20.6

301323 2009 BC_{168} 4 6.4 258°.58 4°.4/11.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 24.24	−21 55.8	2.299	3.059	13.8	20.9
3 12	13 19.93	−22 7.1	2.201	3.053	11.3	20.7
3 22	13 13.71	−22 0.7	2.125	3.046	8.6	20.5
4 1	13 6.12	−21 36.0	2.074	3.040	5.8	20.4
4 11	12 57.96	−20 55.2	2.050	3.033	4.4	20.3
4 21	12 50.11	−20 2.3	2.054	3.027	5.8	20.3
5 1	12 43.38	−19 3.1	2.085	3.020	8.6	20.5
5 11	12 38.42	−18 4.2	2.141	3.014	11.5	20.7

57867 2001 XS_{256} 4 6.4 10°.63 3°.3/ 3.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 18.93	− 4 22.8	1.329	2.194	16.3	18.0
3 12	13 16.67	− 2 52.6	1.267	2.196	12.1	17.7
3 22	13 11.93	− 1 6.9	1.226	2.199	7.4	17.5
4 1	13 5.50	+ 0 44.5	1.209	2.204	3.6	17.3
4 11	12 58.54	+ 2 29.5	1.219	2.209	5.4	17.4
4 21	12 52.21	+ 3 57.1	1.252	2.215	9.9	17.7
5 1	12 47.54	+ 4 59.8	1.309	2.222	14.3	17.9
5 11	12 45.21	+ 5 34.5	1.384	2.230	18.1	18.2

297773 2001 XD_{187} 4 6.4 169°.83 3°.3/ 3.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 28.90	− 0 35.0	1.877	2.713	13.5	21.4
3 12	13 23.47	+ 0 24.3	1.804	2.718	10.1	21.2
3 22	13 15.90	+ 1 30.6	1.756	2.722	6.4	21.0
4 1	13 6.87	+ 2 37.6	1.734	2.725	3.5	20.8
4 11	12 57.37	+ 3 37.8	1.742	2.727	4.8	20.9
4 21	12 48.40	+ 4 25.1	1.777	2.729	8.4	21.1
5 1	12 40.88	+ 4 55.3	1.838	2.730	12.0	21.3
5 11	12 35.42	+ 5 6.5	1.920	2.730	15.2	21.5

439005 2010 WK_{62} 4 6.4 236°.80 2°.6/ 9.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 20.88	−18 45.4	3.014	3.781	10.7	21.5
3 12	13 16.91	−18 33.9	2.913	3.775	8.6	21.3
3 22	13 11.58	−18 9.2	2.836	3.768	6.1	21.1
4 1	13 5.31	−17 32.3	2.785	3.762	3.7	21.0
4 11	12 58.68	−16 45.6	2.764	3.755	2.6	20.9
4 21	12 52.29	−15 52.7	2.772	3.748	4.2	21.0
5 1	12 46.70	−14 57.8	2.808	3.741	6.7	21.1
5 11	12 42.38	−14 5.5	2.871	3.734	9.2	21.3

46625 1994 LM 4 6.4 264°.84 16°.5/21.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 27.84	−41 58.1	1.263	1.950	26.3	19.0
3 12	13 25.06	−43 22.1	1.182	1.944	24.3	18.8
3 22	13 18.20	−44 5.4	1.112	1.938	21.8	18.6
4 1	13 8.01	−43 56.4	1.056	1.932	19.3	18.4
4 11	12 56.25	−42 48.2	1.016	1.926	17.3	18.3
4 21	12 45.13	−40 42.4	0.996	1.920	16.5	18.2
5 1	12 36.74	−37 51.5	0.995	1.913	17.3	18.2
5 11	12 32.38	−34 36.2	1.014	1.907	19.6	18.3

106704 2000 WN_{168} 4 6.4 51°.56 10°.8/28.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 26.74	+15 12.6	1.342	2.205	16.3	18.8
3 12	13 22.41	+17 1.7	1.305	2.217	13.3	18.7
3 22	13 15.40	+18 40.2	1.290	2.229	11.2	18.6
4 1	13 6.68	+19 55.3	1.297	2.242	10.9	18.6
4 11	12 57.60	+20 37.9	1.328	2.255	12.6	18.7
4 21	12 49.45	+20 44.2	1.380	2.269	15.3	18.9
5 1	12 43.26	+20 15.7	1.452	2.283	18.0	19.1
5 11	12 39.65	+19 17.6	1.540	2.297	20.5	19.4

243413 2009 BH_{111} 4 6.4 341°.04 4°.1/ 2.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 22.93	+ 2 53.4	2.008	2.857	12.3	19.7
3 12	13 18.91	+ 3 47.3	1.934	2.854	9.2	19.5
3 22	13 13.02	+ 4 44.6	1.885	2.851	6.1	19.3
4 1	13 5.85	+ 5 39.2	1.863	2.848	4.1	19.2
4 11	12 58.25	+ 6 24.6	1.868	2.846	5.4	19.3
4 21	12 51.07	+ 6 56.0	1.900	2.844	8.5	19.4
5 1	12 45.10	+ 7 10.1	1.956	2.842	11.7	19.6
5 11	12 40.92	+ 7 5.8	2.034	2.840	14.5	19.8

368866 2006 QL_{25} 4 6.4 326°.48 8°.7/ 9.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 27.51	−17 25.2	1.118	1.945	21.4	19.8
3 12	13 24.86	−19 17.5	1.016	1.909	18.0	19.5
3 22	13 18.33	−20 59.4	0.931	1.874	14.0	19.1
4 1	13 8.25	−22 23.8	0.867	1.841	10.2	18.8
4 11	12 55.83	−23 24.7	0.824	1.808	8.8	18.6
4 21	12 42.99	−23 59.5	0.803	1.777	11.7	18.6
5 1	12 31.99	−24 11.9	0.801	1.748	16.7	18.7
5 11	12 24.73	−24 11.9	0.817	1.721	21.9	18.9

313750 2003 UU_{317} 4 6.4 190°.41 2°.1/ 4.3 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 27.11	− 3 51.1	1.950	2.781	13.3	21.7
3 12	13 22.13	− 2 57.1	1.869	2.780	10.0	21.5
3 22	13 15.08	− 1 53.3	1.812	2.779	6.2	21.3
4 1	13 6.60	− 0 45.1	1.782	2.776	2.6	21.1
4 11	12 57.61	+ 0 20.7	1.782	2.774	3.6	21.1
4 21	12 49.06	+ 1 17.6	1.809	2.770	7.5	21.3
5 1	12 41.84	+ 2 0.3	1.863	2.766	11.3	21.6
5 11	12 36.58	+ 2 25.8	1.938	2.761	14.5	21.8

133370 2003 SD_{143} 4 6.4 246°.54 1°.8/ 4.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 27.45	− 4 50.3	1.863	2.694	13.8	21.5
3 12	13 22.68	− 4 5.4	1.766	2.677	10.5	21.2
3 22	13 15.61	− 3 8.7	1.693	2.660	6.5	21.0
4 1	13 6.85	− 2 5.2	1.646	2.641	2.5	20.7
4 11	12 57.34	− 1 1.6	1.628	2.622	3.4	20.7
4 21	12 48.14	− 0 4.9	1.638	2.603	7.8	20.9
5 1	12 40.26	+ 0 38.8	1.673	2.583	12.0	21.1
5 11	12 34.47	+ 1 5.4	1.731	2.562	15.7	21.3

95089 2002 AZ_{97} 4 6.4 204.°67 0.°7/ 7.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 29.70	−10 43.2	1.929	2.737	14.3	20.6
3 12	13 24.25	−10 25.9	1.837	2.732	11.0	20.4
3 22	13 16.52	− 9 54.6	1.768	2.727	7.1	20.1
4 1	13 7.15	− 9 11.7	1.726	2.720	2.8	19.9
4 11	12 57.13	− 8 22.0	1.713	2.713	2.0	19.8
4 21	12 47.49	− 7 31.4	1.729	2.704	6.4	20.0
5 1	12 39.25	− 6 46.1	1.771	2.695	10.5	20.3
5 11	12 33.11	− 6 11.3	1.836	2.686	14.1	20.5

471423 2011 UY_{28} 4 6.4 201.°43 1.°7/ 8.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 22.89	−14 10.8	2.662	3.453	11.3	21.5
3 12	13 18.54	−14 0.5	2.570	3.451	8.8	21.3
3 22	13 12.65	−13 38.3	2.501	3.449	6.0	21.1
4 1	13 5.71	−13 5.7	2.460	3.447	3.0	20.9
4 11	12 58.38	−12 25.7	2.448	3.445	1.9	20.9
4 21	12 51.34	−11 42.2	2.465	3.443	4.5	21.0
5 1	12 45.23	−10 59.6	2.510	3.440	7.6	21.2
5 11	12 40.56	−10 22.0	2.581	3.438	10.3	21.4

420400 2012 CY_{44} 4 6.4 272.°14 6.°6/10.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 32.39	−21 44.8	1.816	2.579	16.8	20.9
3 12	13 26.99	−22 45.2	1.706	2.557	14.1	20.7
3 22	13 18.71	−23 28.7	1.616	2.534	11.0	20.4
4 1	13 8.09	−23 51.3	1.550	2.512	7.9	20.2
4 11	12 56.20	−23 51.7	1.511	2.488	6.6	20.1
4 21	12 44.36	−23 31.8	1.498	2.465	8.2	20.1
5 1	12 33.95	−22 57.5	1.512	2.441	11.7	20.2
5 11	12 26.06	−22 17.2	1.548	2.416	15.3	20.4

264607 2001 UE_{136} 4 6.4 90.°71 1.°1/ 5.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 27.80	− 5 48.9	1.824	2.653	14.2	21.0
3 12	13 22.59	− 5 18.7	1.763	2.672	10.6	20.8
3 22	13 15.28	− 4 38.6	1.724	2.690	6.5	20.6
4 1	13 6.64	− 3 53.1	1.713	2.708	2.3	20.4
4 11	12 57.65	− 3 8.2	1.729	2.726	2.7	20.5
4 21	12 49.31	− 2 29.4	1.774	2.744	6.8	20.7
5 1	12 42.45	− 2 1.4	1.844	2.761	10.6	21.0
5 11	12 37.66	− 1 47.0	1.937	2.778	13.8	21.2

428701 2008 QU_{24} 4 6.4 206.°94 3.°9/ 1.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 24.73	+ 4 20.1	2.663	3.497	10.1	22.0
3 12	13 19.85	+ 5 25.8	2.580	3.490	7.6	21.8
3 22	13 13.44	+ 6 33.9	2.523	3.483	5.2	21.6
4 1	13 5.99	+ 7 39.3	2.495	3.474	3.9	21.5
4 11	12 58.16	+ 8 36.4	2.497	3.465	5.0	21.6
4 21	12 50.63	+ 9 20.9	2.528	3.455	7.5	21.7
5 1	12 44.03	+ 9 49.9	2.585	3.445	10.1	21.9
5 11	12 38.86	+10 2.2	2.665	3.434	12.4	22.0

498169 2007 TG_{182} 4 6.4 175.°49 3.°6/10.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 27.39	−20 27.2	2.836	3.584	11.7	22.3
3 12	13 21.88	−20 44.4	2.740	3.587	9.5	22.2
3 22	13 14.73	−20 48.0	2.668	3.589	7.1	22.0
4 1	13 6.46	−20 37.8	2.623	3.590	4.7	21.9
4 11	12 57.75	−20 15.3	2.608	3.591	3.6	21.8
4 21	12 49.32	−19 43.6	2.622	3.592	4.9	21.9
5 1	12 41.86	−19 6.6	2.664	3.592	7.3	22.0
5 11	12 35.89	−18 29.0	2.733	3.591	9.8	22.2

154906 2004 RH_{306} 4 6.4 225.°43 1.°0/ 5.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 21.81	− 4 54.5	3.089	3.907	9.2	21.2
3 12	13 17.50	− 4 21.1	2.993	3.897	6.9	21.0
3 22	13 11.91	− 3 41.4	2.923	3.887	4.3	20.9
4 1	13 5.44	− 2 58.1	2.882	3.877	1.5	20.6
4 11	12 58.64	− 2 14.9	2.871	3.866	2.0	20.7
4 21	12 52.05	− 1 35.4	2.890	3.855	4.8	20.8
5 1	12 46.22	− 1 2.6	2.937	3.843	7.5	21.0
5 11	12 41.57	− 0 39.1	3.010	3.831	9.9	21.2

313635 2003 SV_{31} 4 6.4 118.°10 0.°3/ 6.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 28.56	−10 1.3	1.790	2.607	14.9	21.7
3 12	13 23.28	− 9 33.1	1.722	2.622	11.3	21.5
3 22	13 15.79	− 8 50.9	1.676	2.637	7.2	21.3
4 1	13 6.84	− 7 58.3	1.657	2.651	2.6	21.0
4 11	12 57.48	− 7 1.2	1.666	2.665	2.0	21.0
4 21	12 48.74	− 6 6.3	1.703	2.678	6.5	21.3
5 1	12 41.54	− 5 19.7	1.766	2.691	10.5	21.6
5 11	12 36.50	− 4 45.9	1.852	2.703	14.0	21.8

229116 2004 RK_{99} 4 6.4 208.°82 1.°8/ 8.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 25.82	−14 4.5	2.111	2.910	13.6	21.4
3 12	13 21.15	−13 53.1	2.020	2.906	10.6	21.2
3 22	13 14.48	−13 26.8	1.951	2.902	7.2	21.0
4 1	13 6.41	−12 47.1	1.909	2.898	3.5	20.8
4 11	12 57.80	−11 58.0	1.895	2.893	2.2	20.6
4 21	12 49.54	−11 4.8	1.910	2.889	5.6	20.9
5 1	12 42.50	−10 13.4	1.952	2.883	9.3	21.1
5 11	12 37.32	− 9 29.4	2.018	2.878	12.6	21.3

383705 2007 TT_{444} 4 6.4 126.°44 2.°5/ 9.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 22.96	−17 52.7	2.326	3.108	13.0	21.0
3 12	13 18.77	−17 29.4	2.241	3.114	10.3	20.8
3 22	13 12.86	−16 49.4	2.179	3.120	7.2	20.6
4 1	13 5.80	−15 54.4	2.144	3.126	4.1	20.4
4 11	12 58.35	−14 48.4	2.137	3.132	2.6	20.3
4 21	12 51.30	−13 37.0	2.159	3.138	5.0	20.5
5 1	12 45.36	−12 26.2	2.208	3.143	8.2	20.7
5 11	12 41.06	−11 21.9	2.283	3.148	11.1	20.9

171932 2001 SD_{198} 4 6.4 109.°04 0.°3/ 6.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 24.28	− 7 44.0	2.374	3.191	11.7	20.3
3 12	13 19.60	− 7 18.1	2.300	3.203	8.8	20.1
3 22	13 13.30	− 6 42.9	2.251	3.214	5.5	19.9
4 1	13 5.94	− 6 1.7	2.230	3.225	1.9	19.7
4 11	12 58.26	− 5 18.8	2.238	3.236	1.8	19.7
4 21	12 51.00	− 4 38.7	2.274	3.247	5.4	20.0
5 1	12 44.82	− 4 5.4	2.339	3.257	8.6	20.2
5 11	12 40.22	− 3 42.0	2.427	3.267	11.4	20.4

100672 1997 WF_{58} 4 6.4 209.°63 2.°0/ 4.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 27.01	− 2 27.0	2.330	3.155	11.6	21.2
3 12	13 21.80	− 1 45.8	2.240	3.148	8.7	21.0
3 22	13 14.78	− 0 57.6	2.175	3.140	5.4	20.8
4 1	13 6.51	− 0 6.7	2.138	3.132	2.4	20.6
4 11	12 57.76	+ 0 41.5	2.132	3.123	3.3	20.6
4 21	12 49.33	+ 1 22.3	2.154	3.113	6.7	20.8
5 1	12 41.99	+ 1 51.7	2.204	3.102	10.0	21.0
5 11	12 36.33	+ 2 7.1	2.277	3.091	12.9	21.2

1603 Neva 4 6.4 162.°91 3.°8/ 2.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 24.36	+ 1 57.3	2.157	2.999	11.8	15.7
3 12	13 19.83	+ 3 1.6	2.086	3.002	8.8	15.5
3 22	13 13.53	+ 4 10.2	2.040	3.005	5.8	15.3
4 1	13 6.04	+ 5 16.8	2.021	3.007	3.8	15.2
4 11	12 58.18	+ 6 15.0	2.032	3.010	5.1	15.3
4 21	12 50.75	+ 6 59.8	2.070	3.012	8.1	15.4
5 1	12 44.49	+ 7 27.6	2.133	3.013	11.1	15.6
5 11	12 39.93	+ 7 37.3	2.219	3.015	13.8	15.8

421243 2013 SO_{48} 4 6.4 141.°40 3.°2/ 3.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 24.06	− 1 0.5	1.869	2.713	13.2	20.7
3 12	13 19.88	+ 0 1.5	1.796	2.715	9.9	20.5
3 22	13 13.69	+ 1 11.2	1.748	2.716	6.2	20.3
4 1	13 6.13	+ 2 21.9	1.726	2.717	3.3	20.1
4 11	12 58.11	+ 3 26.3	1.732	2.719	4.7	20.2
4 21	12 50.57	+ 4 18.1	1.766	2.720	8.3	20.4
5 1	12 44.36	+ 4 52.7	1.824	2.721	11.8	20.6
5 11	12 40.07	+ 5 8.0	1.903	2.722	14.9	20.8

209460 2004 GG_{28} 4 6.4 323.°47 4.°5/31.7 18 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 17.59	− 2 19.6	1.759	2.616	13.3	19.4
3 12	13 15.34	− 0 1.0	1.664	2.591	9.9	19.1
3 22	13 11.05	+ 2 35.3	1.595	2.566	6.4	18.9
4 1	13 5.26	+ 5 19.3	1.555	2.542	4.5	18.7
4 11	12 58.82	+ 7 57.9	1.543	2.519	6.7	18.8
4 21	12 52.67	+10 18.8	1.559	2.496	10.6	18.9
5 1	12 47.71	+12 12.6	1.600	2.474	14.5	19.1
5 11	12 44.67	+13 34.7	1.660	2.453	17.8	19.3

103859 2000 DX_{39} 4 6.4 77.°73 1.°0/ 7.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 24.98	−11 49.0	1.999	2.810	13.8	20.6
3 12	13 20.41	−11 27.0	1.930	2.826	10.5	20.5
3 22	13 13.93	−10 51.2	1.885	2.842	6.8	20.3
4 1	13 6.20	−10 4.6	1.866	2.858	2.8	20.0
4 11	12 58.12	− 9 12.2	1.875	2.874	1.8	20.0
4 21	12 50.57	− 8 19.6	1.912	2.890	5.6	20.3
5 1	12 44.34	− 7 32.5	1.976	2.906	9.3	20.5
5 11	12 39.97	− 6 55.4	2.064	2.922	12.5	20.7

491735 2012 VC_{13} 4 6.4 68.°43 1.°1/ 5.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 23.94	− 5 21.4	2.136	2.965	12.4	21.4
3 12	13 19.48	− 4 48.5	2.071	2.980	9.2	21.3
3 22	13 13.28	− 4 7.3	2.029	2.995	5.7	21.1
4 1	13 5.97	− 3 21.8	2.015	3.011	2.0	20.9
4 11	12 58.34	− 2 37.2	2.029	3.026	2.5	20.9
4 21	12 51.20	− 1 58.2	2.072	3.041	6.1	21.2
5 1	12 45.26	− 1 29.0	2.141	3.056	9.5	21.4
5 11	12 41.03	− 1 12.2	2.234	3.071	12.4	21.6

135133 2001 QD_{179} 4 6.4 134.°78 4.°3/31.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 22.80	+ 6 30.3	2.759	3.597	9.6	19.7
3 12	13 18.26	+ 7 41.8	2.699	3.610	7.3	19.6
3 22	13 12.37	+ 8 53.3	2.665	3.622	5.2	19.5
4 1	13 5.62	+ 9 59.4	2.661	3.633	4.3	19.4
4 11	12 58.64	+10 55.2	2.686	3.644	5.4	19.5
4 21	12 52.02	+11 37.1	2.739	3.655	7.5	19.6
5 1	12 46.32	+12 2.8	2.818	3.665	9.7	19.8
5 11	12 41.97	+12 12.1	2.919	3.675	11.7	20.0

2020	α_{2000}	δ_{2000}	Δ	r	β	V
479778 2014 EY_{34}			4 6.4 258°.83	0°.0/ 6.3 17		
	h m	° ′			°	m
3 2	13 28.95	− 6 31.0	2.610	3.416	11.1	20.7
3 12	13 23.18	− 6 42.1	2.506	3.402	8.4	20.5
3 22	13 15.65	− 6 47.2	2.428	3.388	5.4	20.3
4 1	13 6.87	− 6 47.7	2.379	3.374	1.9	20.1
4 11	12 57.54	− 6 46.0	2.361	3.359	1.6	20.0
4 21	12 48.43	− 6 44.7	2.372	3.345	5.1	20.2
5 1	12 40.28	− 6 46.7	2.412	3.330	8.4	20.4
5 11	12 33.70	− 6 54.4	2.478	3.315	11.3	20.6
68610 2002 AD_{122}			4 6.4 295°.51	8°.6/28.0 18		
3 2	13 23.92	+12 21.0	1.753	2.609	13.4	19.2
3 12	13 20.20	+14 4.5	1.671	2.583	10.9	19.0
3 22	13 14.16	+15 47.1	1.613	2.558	9.0	18.8
4 1	13 6.41	+17 18.3	1.580	2.532	8.7	18.7
4 11	12 57.91	+18 28.1	1.573	2.506	10.6	18.7
4 21	12 49.73	+19 9.6	1.589	2.480	13.4	18.9
5 1	12 42.91	+19 19.5	1.627	2.455	16.5	19.0
5 11	12 38.24	+18 58.9	1.681	2.429	19.3	19.1
432375 2009 WY_{124}			4 6.4 97°.73	6°.1/31.9 16		
3 2	13 28.42	+ 9 11.2	1.919	2.763	13.0	21.5
3 12	13 22.99	+10 3.2	1.863	2.774	10.0	21.3
3 22	13 15.53	+10 52.1	1.830	2.784	7.3	21.2
4 1	13 6.78	+11 31.1	1.824	2.795	6.1	21.1
4 11	12 57.70	+11 54.2	1.846	2.805	7.3	21.2
4 21	12 49.24	+11 58.1	1.893	2.815	10.0	21.4
5 1	12 42.23	+11 41.5	1.965	2.825	12.8	21.6
5 11	12 37.23	+11 6.0	2.058	2.835	15.3	21.8
122349 2000 QH_{41}			4 6.4 214°.91	1°.6/ 7.9 18		
3 2	13 26.21	−13 24.6	2.168	2.967	13.3	20.7
3 12	13 21.43	−13 10.1	2.074	2.961	10.4	20.5
3 22	13 14.68	−12 41.2	2.002	2.954	6.9	20.3
4 1	13 6.54	−11 59.6	1.958	2.948	3.2	20.0
4 11	12 57.84	−11 9.5	1.942	2.940	2.0	19.9
4 21	12 49.47	−10 15.8	1.954	2.932	5.5	20.1
5 1	12 42.28	− 9 24.6	1.994	2.924	9.2	20.3
5 11	12 36.91	− 8 41.0	2.059	2.915	12.5	20.5
67244 2000 EH_{58}			4 6.4 152°.64	0°.2/ 6.7 18		R
3 2	13 23.15	− 8 31.5	2.930	3.736	10.0	18.9
3 12	13 18.55	− 8 20.7	2.844	3.740	7.6	18.8
3 22	13 12.60	− 8 2.3	2.783	3.743	4.8	18.6
4 1	13 5.74	− 7 38.4	2.751	3.746	1.8	18.4
4 11	12 58.57	− 7 11.9	2.749	3.749	1.4	18.4
4 21	12 51.68	− 6 45.9	2.777	3.751	4.4	18.6
5 1	12 45.63	− 6 23.5	2.833	3.754	7.2	18.8
5 11	12 40.87	− 6 7.6	2.915	3.756	9.7	18.9
24248 1999 XU_{105}			4 6.4 176°.46	2°.5/ 3.2 18		
3 2	13 24.08	− 0 46.3	2.632	3.461	10.3	19.8
3 12	13 19.35	+ 0 11.1	2.553	3.464	7.7	19.6
3 22	13 13.13	+ 1 13.9	2.500	3.466	4.8	19.4
4 1	13 5.93	+ 2 17.2	2.477	3.467	2.6	19.2
4 11	12 58.41	+ 3 16.1	2.483	3.468	3.6	19.3
4 21	12 51.21	+ 4 6.1	2.519	3.468	6.4	19.5
5 1	12 44.97	+ 4 43.5	2.581	3.467	9.2	19.7
5 11	12 40.16	+ 5 6.7	2.668	3.466	11.7	19.8
191844 2004 VY_{26}			4 6.4 175°.80	1°.4/ 7.9 17		
3 2	13 26.24	−12 57.8	2.281	3.079	12.7	21.2
3 12	13 21.29	−12 46.7	2.194	3.081	9.9	21.0
3 22	13 14.50	−12 22.6	2.130	3.082	6.6	20.8
4 1	13 6.46	−11 47.2	2.093	3.083	3.0	20.6
4 11	12 57.95	−11 4.4	2.085	3.084	1.9	20.5
4 21	12 49.81	−10 18.8	2.106	3.084	5.2	20.7
5 1	12 42.82	− 9 35.5	2.155	3.083	8.7	20.9
5 11	12 37.56	− 8 59.2	2.228	3.083	11.8	21.1
377390 2004 RA_{317}			4 6.4 140°.54	2°.6/ 9.5 17		
3 2	13 25.46	−18 10.1	2.414	3.188	12.8	21.9
3 12	13 20.56	−17 47.4	2.332	3.199	10.2	21.7
3 22	13 13.96	−17 8.4	2.273	3.211	7.1	21.5
4 1	13 6.24	−16 14.8	2.240	3.222	4.0	21.4
4 11	12 58.17	−15 10.3	2.237	3.232	2.6	21.3
4 21	12 50.51	−14 0.4	2.264	3.241	4.9	21.4
5 1	12 43.99	−12 50.9	2.318	3.250	8.0	21.6
5 11	12 39.12	−11 47.5	2.399	3.259	10.9	21.8
140853 2001 UU_{215}			4 6.4 242°.69	1°.6/ 8.4 18		
3 2	13 22.29	−15 3.1	2.553	3.343	11.7	20.4
3 12	13 18.23	−14 34.4	2.451	3.333	9.2	20.2
3 22	13 12.56	−13 51.4	2.373	3.322	6.2	20.0
4 1	13 5.77	−12 55.9	2.322	3.310	3.1	19.7
4 11	12 58.53	−11 51.8	2.301	3.299	1.9	19.6
4 21	12 51.55	−10 44.0	2.308	3.287	4.8	19.8
5 1	12 45.51	− 9 38.1	2.344	3.275	8.0	20.0
5 11	12 40.95	− 8 39.1	2.406	3.262	11.0	20.2

2020	α_{2000}	δ_{2000}	Δ	r	β	V
13391 1999 JF_{37}			4 6.4 120°.81	2°.4/ 9.3 18		
	h m	° ′			°	m
3 2	13 22.91	−17 25.7	2.402	3.184	12.6	17.9
3 12	13 18.70	−17 5.1	2.317	3.191	10.0	17.7
3 22	13 12.83	−16 28.9	2.256	3.198	7.0	17.5
4 1	13 5.86	−15 38.6	2.221	3.204	3.9	17.3
4 11	12 58.51	−14 38.0	2.215	3.211	2.5	17.2
4 21	12 51.53	−13 32.3	2.238	3.217	4.9	17.4
5 1	12 45.63	−12 27.2	2.289	3.223	8.0	17.6
5 11	12 41.32	−11 28.0	2.365	3.229	10.8	17.8
188108 2001 YU_{140}			4 6.4 266°.39	4°.3/10.8 17		
3 2	13 23.66	−21 58.5	1.879	2.654	15.9	20.6
3 12	13 19.95	−21 39.7	1.779	2.642	13.0	20.3
3 22	13 13.98	−20 56.5	1.699	2.629	9.7	20.1
4 1	13 6.36	−19 49.2	1.643	2.617	6.2	19.8
4 11	12 58.04	−18 21.4	1.614	2.604	4.3	19.7
4 21	12 50.07	−16 40.4	1.613	2.592	6.4	19.8
5 1	12 43.46	−14 55.7	1.638	2.579	10.1	20.0
5 11	12 38.95	−13 16.9	1.687	2.566	13.7	20.2
100499 1996 XP			4 6.4 189°.24	1°.0/ 5.5 17		
3 2	13 28.52	− 6 10.8	2.004	2.826	13.4	20.9
3 12	13 23.20	− 5 35.3	1.920	2.825	10.1	20.7
3 22	13 15.80	− 4 49.2	1.859	2.824	6.3	20.5
4 1	13 6.95	− 3 56.6	1.826	2.822	2.2	20.2
4 11	12 57.57	− 3 3.2	1.822	2.819	2.6	20.2
4 21	12 48.62	− 2 14.9	1.847	2.815	6.7	20.5
5 1	12 40.98	− 1 36.8	1.898	2.811	10.6	20.7
5 11	12 35.31	− 1 12.5	1.973	2.806	13.9	20.9
426893 2013 WX_{57}			4 6.4 132°.71	2°.6/ 3.9 17		
3 2	13 26.17	− 0 46.6	2.033	2.870	12.6	21.1
3 12	13 21.32	− 0 11.7	1.959	2.873	9.4	20.9
3 22	13 14.55	+ 0 28.6	1.910	2.877	5.9	20.7
4 1	13 6.48	+ 1 9.5	1.888	2.880	2.9	20.5
4 11	12 57.99	+ 1 45.5	1.894	2.883	3.9	20.5
4 21	12 49.97	+ 2 11.9	1.928	2.886	7.3	20.8
5 1	12 43.21	+ 2 25.3	1.988	2.889	10.8	21.0
5 11	12 38.30	+ 2 23.9	2.070	2.892	13.8	21.2
370983 2005 SJ_{265}			4 6.4 218°.91	2°.4/ 8.9 17		
3 2	13 28.06	−16 12.0	2.487	3.263	12.4	23.5
3 12	13 22.67	−16 7.1	2.381	3.252	9.9	23.3
3 22	13 15.42	−15 48.1	2.299	3.240	6.9	23.1
4 1	13 6.83	−15 15.7	2.243	3.227	3.8	22.9
4 11	12 57.66	−14 32.7	2.218	3.213	2.5	22.7
4 21	12 48.73	−13 43.1	2.222	3.198	5.1	22.9
5 1	12 40.84	−12 52.3	2.254	3.183	8.4	23.1
5 11	12 34.62	−12 5.5	2.312	3.167	11.4	23.2
272852 2006 BN_{38}			4 6.4 309°.53	2°.2/ 4.2 17		
3 2	13 22.90	− 3 52.3	1.805	2.648	13.7	20.4
3 12	13 19.20	− 2 59.0	1.724	2.641	10.2	20.1
3 22	13 13.39	− 1 54.9	1.665	2.634	6.3	19.9
4 1	13 6.12	− 0 45.9	1.633	2.628	2.7	19.6
4 11	12 58.28	+ 0 20.7	1.629	2.621	3.8	19.7
4 21	12 50.86	+ 1 18.0	1.651	2.615	7.8	19.9
5 1	12 44.76	+ 2 0.2	1.698	2.609	11.8	20.1
5 11	12 40.63	+ 2 24.1	1.767	2.603	15.2	20.4
216777 2006 QV_{18}			4 6.4 268°.42	0°.0/ 6.3 17		
3 2	13 26.67	− 9 24.1	1.712	2.537	15.1	21.1
3 12	13 22.39	− 8 57.4	1.612	2.518	11.7	20.9
3 22	13 15.63	− 8 15.1	1.535	2.498	7.5	20.6
4 1	13 6.99	− 7 20.2	1.483	2.478	2.7	20.2
4 11	12 57.48	− 6 18.8	1.458	2.458	2.3	20.1
4 21	12 48.25	− 5 18.0	1.461	2.437	7.3	20.4
5 1	12 40.43	− 4 25.3	1.489	2.416	12.0	20.6
5 11	12 34.87	− 3 46.9	1.539	2.395	16.1	20.8
11774 Jerne			4 6.4 250°.97	3°.1/ 9.7 18		R
3 2	13 26.22	−17 38.5	2.619	3.389	12.0	19.1
3 12	13 21.24	−17 57.5	2.514	3.377	9.7	18.9
3 22	13 14.50	−18 3.8	2.432	3.366	7.0	18.7
4 1	13 6.50	−17 57.3	2.377	3.354	4.3	18.5
4 11	12 57.94	−17 39.6	2.351	3.341	3.2	18.4
4 21	12 49.59	−17 13.7	2.355	3.329	5.0	18.5
5 1	12 42.19	−16 43.6	2.386	3.317	7.9	18.6
5 11	12 36.35	−16 13.9	2.443	3.304	10.7	18.8
73331 2002 JK_{106}			4 6.4 264°.14	7°.5/28.2 18		
3 2	13 23.80	+12 41.0	2.085	2.933	11.9	19.4
3 12	13 19.68	+14 19.5	2.010	2.917	9.6	19.2
3 22	13 13.61	+15 55.8	1.961	2.902	7.9	19.0
4 1	13 6.19	+17 21.0	1.938	2.886	7.7	19.0
4 11	12 58.23	+18 27.3	1.942	2.870	9.2	19.0
4 21	12 50.61	+19 9.4	1.971	2.854	11.6	19.2
5 1	12 44.18	+19 24.8	2.022	2.837	14.2	19.3
5 11	12 39.56	+19 14.6	2.092	2.821	16.6	19.4

171076 2005 EA_{178} 4 6.4 1.°87 1.°4/ 7.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 23.44	−12 1.9	1.264	2.106	18.5	20.0
3 12	13 20.44	−11 47.1	1.192	2.104	14.3	19.7
3 22	13 14.56	−11 11.4	1.140	2.104	9.4	19.4
4 1	13 6.61	−10 17.9	1.110	2.104	4.0	19.1
4 11	12 57.89	− 9 13.8	1.105	2.105	2.5	19.0
4 21	12 49.79	− 8 8.4	1.124	2.106	7.9	19.3
5 1	12 43.59	− 7 11.4	1.166	2.109	13.0	19.6
5 11	12 40.12	− 6 30.0	1.228	2.112	17.4	19.9

105520 2000 RW_{22} 4 6.4 169.°78 1.°0/ 7.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 22.74	−12 37.9	2.799	3.594	10.7	20.6
3 12	13 18.34	−12 13.0	2.711	3.597	8.2	20.4
3 22	13 12.51	−11 37.1	2.646	3.599	5.4	20.2
4 1	13 5.74	−10 52.2	2.610	3.602	2.4	20.0
4 11	12 58.64	−10 1.9	2.604	3.603	1.5	20.0
4 21	12 51.83	− 9 10.2	2.628	3.605	4.4	20.2
5 1	12 45.92	− 8 21.5	2.680	3.606	7.3	20.4
5 11	12 41.35	− 7 39.6	2.758	3.607	9.9	20.5

416432 2003 UY_{278} 4 6.4 228.°30 2.°2/ 8.3 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 27.83	−14 43.9	1.880	2.679	15.0	22.2
3 12	13 23.03	−14 32.1	1.783	2.670	11.8	22.0
3 22	13 15.89	−14 2.8	1.709	2.659	8.1	21.8
4 1	13 7.06	−13 17.4	1.660	2.649	4.0	21.5
4 11	12 57.48	−12 19.9	1.639	2.637	2.5	21.4
4 21	12 48.26	−11 16.7	1.646	2.625	6.3	21.6
5 1	12 40.40	−10 15.1	1.680	2.613	10.4	21.8
5 11	12 34.69	− 9 21.9	1.737	2.599	14.2	22.0

413355 2003 YD_{67} 4 6.4 132.°15 0.°1/ 6.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 28.19	− 9 50.4	1.893	2.708	14.3	22.9
3 12	13 22.95	− 9 18.0	1.821	2.721	10.9	22.7
3 22	13 15.61	− 8 32.0	1.772	2.733	6.9	22.4
4 1	13 6.87	− 7 36.1	1.750	2.745	2.5	22.2
4 11	12 57.71	− 6 36.2	1.757	2.756	2.0	22.2
4 21	12 49.12	− 5 38.7	1.792	2.767	6.3	22.5
5 1	12 41.97	− 4 49.6	1.854	2.777	10.2	22.7
5 11	12 36.86	− 4 13.3	1.939	2.786	13.6	22.9

140791 2001 UG_{143} 4 6.4 77.°52 0.°8/ 5.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 22.67	− 6 57.1	2.215	3.041	12.1	20.2
3 12	13 18.52	− 6 14.0	2.145	3.053	9.1	20.0
3 22	13 12.71	− 5 21.1	2.099	3.065	5.6	19.8
4 1	13 5.82	− 4 22.5	2.081	3.077	1.9	19.6
4 11	12 58.60	− 3 23.7	2.092	3.089	2.3	19.6
4 21	12 51.83	− 2 30.0	2.131	3.101	5.9	19.9
5 1	12 46.18	− 1 45.9	2.197	3.113	9.2	20.1
5 11	12 42.15	− 1 14.7	2.287	3.125	12.1	20.3

101087 1998 RC_{32} 4 6.4 188.°87 2.°9/ 9.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 26.45	−17 40.0	2.479	3.251	12.6	20.7
3 12	13 21.40	−17 43.9	2.385	3.251	10.0	20.5
3 22	13 14.58	−17 33.5	2.314	3.250	7.2	20.3
4 1	13 6.52	−17 9.3	2.269	3.248	4.3	20.1
4 11	12 57.98	−16 33.6	2.254	3.246	3.0	20.0
4 21	12 49.74	−15 50.5	2.267	3.243	5.1	20.2
5 1	12 42.58	−15 4.9	2.309	3.240	8.1	20.3
5 11	12 37.05	−14 21.9	2.376	3.237	10.9	20.5

103127 1999 XR_{194} 4 6.4 195.°69 3.°0/ 9.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 28.78	−16 40.0	2.026	2.811	14.6	19.9
3 12	13 23.55	−16 42.1	1.934	2.809	11.6	19.7
3 22	13 16.12	−16 27.5	1.864	2.806	8.1	19.5
4 1	13 7.12	−15 56.7	1.820	2.803	4.6	19.2
4 11	12 57.49	−15 13.0	1.804	2.799	3.1	19.1
4 21	12 48.23	−14 21.2	1.817	2.795	5.9	19.3
5 1	12 40.32	−13 28.1	1.857	2.790	9.6	19.5
5 11	12 34.44	−12 39.9	1.921	2.784	13.0	19.7

110168 2001 SM_{168} 4 6.4 59.°71 1.°3/ 5.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 33.30	− 2 40.0	1.661	2.492	15.3	19.1
3 12	13 27.11	− 2 54.6	1.590	2.499	11.5	18.9
3 22	13 18.37	− 3 3.7	1.541	2.506	7.2	18.7
4 1	13 7.91	− 3 10.3	1.519	2.514	2.6	18.4
4 11	12 56.87	− 3 18.1	1.524	2.521	2.9	18.4
4 21	12 46.48	− 3 30.5	1.558	2.529	7.5	18.7
5 1	12 37.81	− 3 50.5	1.617	2.537	11.7	19.0
5 11	12 31.59	− 4 19.8	1.699	2.545	15.3	19.2

32629 2001 RQ_{70} 4 6.4 125.°28 2.°4/ 9.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 26.14	−16 58.6	2.915	3.682	11.0	19.9
3 12	13 20.79	−17 0.0	2.835	3.699	8.7	19.8
3 22	13 14.00	−16 49.4	2.780	3.716	6.1	19.6
4 1	13 6.27	−16 27.7	2.752	3.732	3.5	19.5
4 11	12 58.25	−15 57.4	2.755	3.748	2.4	19.4
4 21	12 50.59	−15 21.6	2.787	3.763	4.3	19.6
5 1	12 43.88	−14 44.4	2.849	3.777	6.8	19.8
5 11	12 38.57	−14 9.7	2.936	3.792	9.2	19.9

125855 2001 XS_{187} 4 6.4 2.°09 0.°5/ 5.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 24.07	− 7 59.5	1.662	2.497	15.0	19.8
3 12	13 20.23	− 7 26.8	1.585	2.497	11.4	19.6
3 22	13 14.11	− 6 40.3	1.530	2.497	7.1	19.3
4 1	13 6.40	− 5 44.3	1.501	2.497	2.5	19.0
4 11	12 58.12	− 4 45.4	1.499	2.497	2.5	19.0
4 21	12 50.34	− 3 50.9	1.523	2.498	7.2	19.3
5 1	12 44.04	− 3 7.1	1.572	2.499	11.5	19.6
5 11	12 39.90	− 2 38.7	1.643	2.500	15.2	19.8

54815 2001 MS_{28} 4 6.4 197.°72 0.°3/ 6.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 24.74	−10 16.2	2.288	3.098	12.3	20.1
3 12	13 20.17	− 9 12.6	2.196	3.095	9.3	19.9
3 22	13 13.82	− 7 54.7	2.129	3.091	5.9	19.7
4 1	13 6.26	− 6 26.6	2.091	3.086	2.0	19.4
4 11	12 58.25	− 4 54.6	2.082	3.081	2.0	19.4
4 21	12 50.60	− 3 25.6	2.104	3.075	5.9	19.6
5 1	12 44.04	− 2 5.9	2.153	3.068	9.4	19.8
5 11	12 39.14	− 1 0.6	2.227	3.061	12.6	20.0

463954 2014 VY_5 4 6.4 205.°35 1.°5/ 4.9 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 27.81	− 5 14.5	2.016	2.841	13.2	22.6
3 12	13 22.71	− 4 29.0	1.928	2.836	9.9	22.3
3 22	13 15.54	− 3 32.9	1.864	2.830	6.1	22.1
4 1	13 6.90	− 2 30.8	1.828	2.823	2.3	21.8
4 11	12 57.70	− 1 28.9	1.821	2.816	3.0	21.9
4 21	12 48.89	− 0 33.6	1.842	2.807	7.1	22.1
5 1	12 41.36	+ 0 9.8	1.890	2.798	10.9	22.3
5 11	12 35.76	+ 0 37.8	1.961	2.789	14.2	22.5

16535 1991 NF_3 4 6.4 187.°74 5.°0/12.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 26.80	−25 13.9	2.457	3.190	13.7	18.4
3 12	13 21.78	−25 19.6	2.360	3.189	11.5	18.2
3 22	13 14.88	−25 6.2	2.284	3.188	8.9	18.0
4 1	13 6.66	−24 32.9	2.232	3.186	6.4	17.9
4 11	12 57.91	−23 41.5	2.209	3.184	5.0	17.8
4 21	12 49.50	−22 36.3	2.214	3.181	5.9	17.8
5 1	12 42.24	−21 23.3	2.247	3.177	8.3	17.9
5 11	12 36.73	−20 9.5	2.306	3.173	11.0	18.1

14825 Fieber–Beyer 4 6.4 226.°20 0.°0/ 6.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 28.38	− 8 12.4	2.367	3.175	12.0	19.9
3 12	13 22.95	− 7 52.6	2.265	3.161	9.2	19.7
3 22	13 15.62	− 7 22.6	2.187	3.147	5.8	19.5
4 1	13 6.94	− 6 45.1	2.137	3.132	2.1	19.2
4 11	12 57.67	− 6 4.1	2.117	3.116	1.8	19.1
4 21	12 48.65	− 5 24.0	2.127	3.099	5.7	19.4
5 1	12 40.70	− 4 49.6	2.165	3.082	9.3	19.5
5 11	12 34.45	− 4 24.6	2.228	3.064	12.5	19.7

428795 2008 SK_{293} 4 6.4 263.°37 5.°1/10.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 29.22	−21 0.0	2.110	2.871	14.8	21.2
3 12	13 24.09	−21 37.0	2.002	2.854	12.3	21.0
3 22	13 16.63	−21 57.5	1.915	2.837	9.3	20.8
4 1	13 7.38	−21 59.7	1.853	2.819	6.5	20.6
4 11	12 57.25	−21 44.0	1.819	2.801	5.1	20.5
4 21	12 47.29	−21 13.3	1.812	2.782	6.7	20.5
5 1	12 38.55	−20 33.2	1.832	2.764	9.8	20.7
5 11	12 31.87	−19 50.5	1.876	2.745	13.1	20.8

151043 2001 UU_{205} 4 6.4 340.°47 2.°6/ 4.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 30.10	− 0 15.8	1.523	2.369	15.6	19.0
3 12	13 25.03	− 0 14.7	1.445	2.363	11.8	18.8
3 22	13 17.27	− 0 9.1	1.390	2.358	7.5	18.5
4 1	13 7.58	− 0 3.7	1.360	2.354	3.3	18.3
4 11	12 57.16	− 0 3.6	1.356	2.350	4.2	18.3
4 21	12 47.28	− 0 13.2	1.379	2.346	8.7	18.5
5 1	12 39.13	− 0 35.3	1.426	2.343	13.1	18.8
5 11	12 33.52	− 1 11.2	1.494	2.341	16.9	19.0

502924 2015 EM_{27} 4 6.4 153.°67 1.°2/ 7.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 26.11	−12 0.2	2.115	2.921	13.3	21.7
3 12	13 21.33	−11 48.9	2.032	2.924	10.3	21.5
3 22	13 14.61	−11 24.3	1.972	2.927	6.8	21.3
4 1	13 6.56	−10 48.8	1.939	2.931	3.0	21.1
4 11	12 58.04	−10 6.4	1.934	2.933	1.8	21.0
4 21	12 49.93	− 9 22.0	1.958	2.936	5.5	21.2
5 1	12 43.05	− 8 41.0	2.009	2.938	9.2	21.5
5 11	12 38.00	− 8 8.2	2.084	2.940	12.4	21.7

469124 2015 DM_{220} 4 6.4 154.°66 0.°5/ 7.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 23.16	−11 51.0	2.413	3.218	11.9	21.2
3 12	13 18.85	−11 7.3	2.330	3.223	9.1	21.0
3 22	13 12.93	−10 10.4	2.271	3.228	5.8	20.8
4 1	13 5.93	− 9 3.7	2.240	3.233	2.3	20.6
4 11	12 58.58	− 7 52.1	2.238	3.237	1.5	20.5
4 21	12 51.60	− 6 41.2	2.266	3.241	5.1	20.8
5 1	12 45.66	− 5 36.4	2.321	3.245	8.4	21.0
5 11	12 41.27	− 4 42.3	2.402	3.248	11.3	21.2

370508 2003 SU_{158} 4 6.4 122°.59 0°.8/ 7.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 24.96	−12 29.3	2.616	3.410	11.4	21.6
3 12	13 19.98	−11 52.0	2.543	3.430	8.7	21.4
3 22	13 13.51	−11 3.0	2.495	3.449	5.6	21.2
4 1	13 6.11	−10 5.0	2.475	3.467	2.3	21.0
4 11	12 58.45	− 9 2.4	2.486	3.485	1.5	21.0
4 21	12 51.21	− 8 0.0	2.527	3.503	4.6	21.2
5 1	12 45.01	− 7 2.5	2.596	3.519	7.7	21.5
5 11	12 40.28	− 6 14.0	2.691	3.535	10.3	21.7

325331 2008 JM_{27} 4 6.4 313°.55 1°.5/ 5.1 17

3 2	13 21.74	− 7 9.4	1.518	2.365	15.6	20.7
3 12	13 18.81	− 6 12.2	1.431	2.350	11.8	20.5
3 22	13 13.43	− 4 57.8	1.365	2.335	7.4	20.2
4 1	13 6.23	− 3 32.0	1.324	2.320	2.6	19.8
4 11	12 58.28	− 2 3.7	1.310	2.306	3.5	19.8
4 21	12 50.72	− 0 42.6	1.321	2.293	8.5	20.1
5 1	12 44.66	+ 0 22.7	1.356	2.280	13.2	20.3
5 11	12 40.91	+ 1 6.4	1.412	2.267	17.3	20.5

158428 2002 BX_{20} 4 6.4 77°.13 8°.2/31.5 18

3 2	13 34.72	+15 48.6	1.801	2.633	14.2	19.2
3 12	13 27.91	+16 22.7	1.742	2.638	11.5	19.0
3 22	13 18.72	+16 46.7	1.706	2.643	9.2	18.9
4 1	13 8.00	+16 53.4	1.697	2.648	8.3	18.8
4 11	12 56.90	+16 37.4	1.714	2.653	9.4	18.9
4 21	12 46.59	+15 57.2	1.756	2.658	11.8	19.1
5 1	12 38.01	+14 54.2	1.823	2.664	14.5	19.2
5 11	12 31.81	+13 32.1	1.910	2.669	17.0	19.4

341354 2007 TS_{59} 4 6.4 266°.38 1°.1/ 5.3 17

3 2	13 23.83	− 6 12.5	2.152	2.979	12.4	21.7
3 12	13 19.69	− 5 31.9	2.054	2.963	9.4	21.4
3 22	13 13.65	− 4 40.4	1.980	2.946	5.8	21.2
4 1	13 6.26	− 3 42.0	1.934	2.929	2.1	20.9
4 11	12 58.28	− 2 42.2	1.916	2.912	2.6	20.9
4 21	12 50.58	− 1 46.9	1.927	2.895	6.5	21.1
5 1	12 43.96	− 1 1.4	1.964	2.878	10.2	21.3
5 11	12 39.07	− 0 29.6	2.024	2.860	13.5	21.5

361169 2006 KC_{83} 4 6.4 319°.95 0°.1/ 6.6 17

3 2	13 24.68	− 8 15.9	1.226	2.078	18.3	20.4
3 12	13 21.75	− 8 13.1	1.139	2.058	14.1	20.1
3 22	13 15.69	− 7 54.0	1.070	2.039	9.1	19.7
4 1	13 7.16	− 7 21.5	1.024	2.020	3.4	19.3
4 11	12 57.45	− 6 41.9	1.002	2.001	2.8	19.2
4 21	12 48.08	− 6 3.2	1.003	1.984	8.8	19.5
5 1	12 40.59	− 5 33.9	1.026	1.968	14.5	19.7
5 11	12 36.05	− 5 20.5	1.068	1.952	19.5	20.0

505156 2012 QE_{22} 4 6.4 174°.69 0°.9/ 5.3 17

3 2	13 23.21	− 6 44.2	2.511	3.331	11.1	22.5
3 12	13 18.83	− 5 53.4	2.428	3.333	8.3	22.3
3 22	13 12.89	− 4 53.0	2.370	3.334	5.1	22.1
4 1	13 5.92	− 3 47.1	2.340	3.336	1.8	21.9
4 11	12 58.60	− 2 40.8	2.341	3.337	2.3	21.9
4 21	12 51.62	− 1 39.2	2.370	3.337	5.6	22.1
5 1	12 45.62	− 0 46.9	2.428	3.337	8.7	22.3
5 11	12 41.10	− 0 7.1	2.510	3.337	11.5	22.5

173265 1999 RG_{183} 4 6.4 172°.85 1°.2/ 5.3 16

3 2	13 27.45	− 6 20.2	1.929	2.754	13.7	20.7
3 12	13 22.45	− 5 35.9	1.850	2.757	10.3	20.5
3 22	13 15.36	− 4 40.1	1.794	2.760	6.4	20.3
4 1	13 6.85	− 3 37.7	1.766	2.762	2.3	20.0
4 11	12 57.84	− 2 34.8	1.767	2.763	2.8	20.0
4 21	12 49.30	− 1 38.1	1.796	2.764	6.9	20.3
5 1	12 42.12	− 0 53.1	1.851	2.764	10.8	20.5
5 11	12 36.94	− 0 23.3	1.929	2.763	14.1	20.7

310033 2010 FG_{95} 4 6.4 254°.44 0°.2/ 6.7 17

3 2	13 24.59	− 9 20.0	2.413	3.224	11.7	21.5
3 12	13 20.09	− 8 57.9	2.310	3.208	9.0	21.3
3 22	13 13.83	− 8 25.0	2.231	3.191	5.7	21.0
4 1	13 6.32	− 7 43.8	2.179	3.174	2.1	20.7
4 11	12 58.25	− 6 58.1	2.157	3.156	1.7	20.7
4 21	12 50.42	− 6 12.7	2.164	3.139	5.4	20.9
5 1	12 43.57	− 5 32.3	2.199	3.121	8.9	21.1
5 11	12 38.30	− 5 0.8	2.257	3.102	12.0	21.3

240555 2004 RZ_{151} 4 6.4 198°.46 2°.4/ 4.3 18

3 2	13 30.31	− 2 14.2	1.954	2.782	13.4	21.6
3 12	13 24.64	− 1 34.9	1.869	2.779	10.1	21.3
3 22	13 16.77	− 0 47.9	1.809	2.774	6.3	21.1
4 1	13 7.38	+ 0 1.9	1.776	2.769	2.8	20.9
4 11	12 57.39	+ 0 48.2	1.772	2.764	3.8	20.9
4 21	12 47.84	+ 1 25.5	1.797	2.757	7.7	21.1
5 1	12 39.67	+ 1 49.3	1.848	2.749	11.5	21.3
5 11	12 33.55	+ 1 57.3	1.921	2.741	14.8	21.5

313616 2003 QT_{76} 4 6.4 195°.19 2°.7/ 8.9 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 29.74	−16 17.5	2.127	2.909	14.1	21.7
3 12	13 24.19	−16 16.0	2.033	2.906	11.2	21.5
3 22	13 16.50	−15 58.5	1.961	2.903	7.8	21.2
4 1	13 7.29	−15 25.6	1.915	2.899	4.3	21.0
4 11	12 57.46	−14 40.5	1.899	2.894	2.8	20.9
4 21	12 47.99	−13 48.3	1.911	2.888	5.7	21.1
5 1	12 39.80	−12 55.0	1.951	2.882	9.3	21.3
5 11	12 33.59	−12 6.9	2.015	2.874	12.7	21.5

472924 2015 GW_{16} 4 6.4 313°.03 0°.0/ 6.2 16

3 2	13 23.02	− 8 53.6	1.854	2.683	14.0	21.9
3 12	13 19.38	− 8 30.9	1.760	2.668	10.7	21.6
3 22	13 13.61	− 7 54.9	1.690	2.654	6.8	21.4
4 1	13 6.28	− 7 8.8	1.645	2.640	2.5	21.1
4 11	12 58.29	− 6 17.8	1.627	2.626	2.1	21.0
4 21	12 50.63	− 5 28.1	1.636	2.613	6.6	21.3
5 1	12 44.22	− 4 46.0	1.671	2.600	10.8	21.5
5 11	12 39.79	− 4 16.2	1.728	2.587	14.4	21.7

358472 2007 OT_{10} 4 6.4 280°.79 2°.2/ 5.5 17

3 2	13 40.00	+ 0 11.3	1.509	2.338	16.6	19.9
3 12	13 33.05	− 0 17.0	1.408	2.316	12.8	19.6
3 22	13 22.72	− 0 44.5	1.330	2.295	8.2	19.3
4 1	13 9.71	− 1 14.6	1.278	2.273	3.3	18.9
4 11	12 55.34	− 1 50.5	1.255	2.250	3.9	18.9
4 21	12 41.21	− 2 34.7	1.259	2.228	9.2	19.2
5 1	12 28.93	− 3 28.7	1.290	2.205	14.3	19.4
5 11	12 19.65	− 4 33.1	1.342	2.183	18.8	19.6

423897 2006 SK_{94} 4 6.4 178°.35 0°.4/ 6.1 16

3 2	13 26.75	− 8 35.5	2.094	2.910	13.1	22.7
3 12	13 21.80	− 7 54.6	2.011	2.912	9.9	22.5
3 22	13 14.91	− 7 1.4	1.951	2.914	6.2	22.3
4 1	13 6.69	− 5 59.6	1.919	2.915	2.2	22.0
4 11	12 58.00	− 4 55.1	1.916	2.915	2.1	22.0
4 21	12 49.73	− 3 53.8	1.942	2.914	6.2	22.2
5 1	12 42.70	− 3 1.5	1.995	2.913	9.9	22.5
5 11	12 37.52	− 2 22.3	2.072	2.911	13.1	22.7

496342 2013 PA_{70} 4 6.4 258°.50 1°.4/ 7.7 17

3 2	13 25.81	−13 26.5	1.900	2.708	14.6	21.7
3 12	13 21.55	−13 0.2	1.797	2.690	11.4	21.4
3 22	13 15.02	−12 16.1	1.716	2.671	7.6	21.2
4 1	13 6.82	−11 16.3	1.661	2.652	3.4	20.9
4 11	12 57.84	−10 5.7	1.633	2.633	2.1	20.7
4 21	12 49.13	− 8 51.3	1.634	2.613	6.3	20.9
5 1	12 41.70	− 7 40.8	1.661	2.592	10.6	21.1
5 11	12 36.33	− 6 41.1	1.712	2.572	14.5	21.3

246476 2007 WH_{39} 4 6.4 178°.01 4°.5/31.2 18

3 2	13 23.83	+ 8 10.8	2.842	3.677	9.5	21.1
3 12	13 19.10	+ 9 14.7	2.772	3.679	7.3	21.0
3 22	13 12.98	+10 17.9	2.728	3.680	5.3	20.8
4 1	13 5.96	+11 15.2	2.713	3.681	4.5	20.8
4 11	12 58.64	+12 1.9	2.728	3.681	5.6	20.9
4 21	12 51.65	+12 34.7	2.771	3.681	7.6	21.0
5 1	12 45.55	+12 51.5	2.839	3.680	9.8	21.1
5 11	12 40.78	+12 52.1	2.930	3.679	11.8	21.3

121316 1999 RC_{219} 4 6.4 237°.66 2°.8/ 3.4 18

3 2	13 24.82	− 0 56.4	2.146	2.983	12.1	20.1
3 12	13 20.37	− 0 3.3	2.059	2.973	9.0	19.8
3 22	13 14.04	+ 0 56.7	1.996	2.963	5.7	19.6
4 1	13 6.41	+ 1 58.4	1.961	2.952	3.0	19.4
4 11	12 58.26	+ 2 55.5	1.954	2.941	4.2	19.5
4 21	12 50.44	+ 3 42.5	1.976	2.930	7.5	19.7
5 1	12 43.76	+ 4 15.0	2.024	2.918	10.9	19.8
5 11	12 38.81	+ 4 30.7	2.094	2.907	14.0	20.0

16061 1999 JQ_{117} 4 6.4 116°.94 2°.8/ 3.1 18

3 2	13 23.70	+ 0 33.9	2.529	3.362	10.5	18.4
3 12	13 19.08	+ 1 24.3	2.463	3.376	7.8	18.3
3 22	13 13.00	+ 2 18.4	2.423	3.389	5.0	18.1
4 1	13 5.97	+ 3 11.5	2.412	3.401	2.9	18.0
4 11	12 58.67	+ 3 58.8	2.431	3.414	3.9	18.1
4 21	12 51.78	+ 4 36.2	2.477	3.426	6.6	18.2
5 1	12 45.90	+ 5 0.9	2.551	3.437	9.3	18.4
5 11	12 41.48	+ 5 11.5	2.648	3.449	11.7	18.6

206424 2003 SX_{149} 4 6.4 268°.08 5°.2/ 1.9 17

3 2	13 26.37	+ 2 31.5	1.580	2.433	14.8	20.3
3 12	13 22.22	+ 3 43.7	1.498	2.420	11.2	20.1
3 22	13 15.54	+ 5 2.9	1.439	2.405	7.5	19.8
4 1	13 7.02	+ 6 20.6	1.406	2.391	5.2	19.7
4 11	12 57.74	+ 7 27.2	1.399	2.376	6.9	19.7
4 21	12 48.88	+ 8 14.8	1.417	2.362	10.8	19.9
5 1	12 41.58	+ 8 38.4	1.459	2.347	14.8	20.1
5 11	12 36.62	+ 8 36.6	1.520	2.332	18.4	20.3

2020	α_{2000}	δ_{2000}	Δ	r	β	V
374159 2004 UJ_5		4 6.4 135°.58 2°.0/ 8.9 17 R				
	h m	° ′			°	m
3 2	13 25.46	−16 24.4	2.423	3.204	12.6	21.4
3 12	13 20.57	−15 58.9	2.343	3.217	9.9	21.2
3 22	13 14.01	−15 18.4	2.286	3.230	6.7	21.0
4 1	13 6.35	−14 24.7	2.257	3.242	3.5	20.9
4 11	12 58.35	−13 22.0	2.257	3.254	2.2	20.8
4 21	12 50.78	−12 15.4	2.287	3.265	4.8	21.0
5 1	12 44.32	−11 10.7	2.345	3.275	8.0	21.2
5 11	12 39.49	−10 13.0	2.428	3.285	10.8	21.4
468802 2012 HZ_{21}		4 6.4 279°.86 5°.2/31.9 17				
3 2	13 23.67	+ 2 28.6	1.801	2.653	13.3	21.1
3 12	13 19.97	+ 4 3.3	1.708	2.629	10.1	20.8
3 22	13 14.05	+ 5 46.9	1.640	2.605	6.9	20.6
4 1	13 6.48	+ 7 30.9	1.599	2.581	5.2	20.4
4 11	12 58.17	+ 9 5.3	1.585	2.556	7.0	20.5
4 21	12 50.13	+10 21.5	1.597	2.531	10.6	20.6
5 1	12 43.36	+11 13.4	1.633	2.506	14.3	20.8
5 11	12 38.63	+11 38.7	1.689	2.481	17.6	20.9
7452 Izabelyuria		4 6.4 179°.94 1°.0/ 5.2 18 R				
3 2	13 23.10	− 5 7.4	2.911	3.728	9.8	19.1
3 12	13 18.55	− 4 31.9	2.826	3.729	7.3	18.9
3 22	13 12.65	− 3 49.8	2.766	3.730	4.5	18.8
4 1	13 5.86	− 3 4.1	2.735	3.730	1.6	18.6
4 11	12 58.76	− 2 18.8	2.735	3.730	2.1	18.6
4 21	12 51.94	− 1 37.4	2.764	3.730	5.0	18.8
5 1	12 45.96	− 1 3.5	2.822	3.728	7.8	19.0
5 11	12 41.26	− 0 39.5	2.904	3.727	10.2	19.1
488910 2005 TF_{111}		4 6.4 100°.79 1°.4/ 7.6 16				
3 2	13 28.70	−11 52.2	1.888	2.696	14.6	22.5
3 12	13 23.40	−11 47.9	1.818	2.711	11.3	22.3
3 22	13 15.95	−11 29.6	1.770	2.725	7.4	22.1
4 1	13 7.08	−10 59.7	1.748	2.740	3.3	21.8
4 11	12 57.77	−10 22.4	1.755	2.754	2.0	21.8
4 21	12 49.03	− 9 43.2	1.789	2.767	5.9	22.0
5 1	12 41.76	− 9 7.5	1.850	2.781	9.8	22.3
5 11	12 36.56	− 8 40.1	1.935	2.794	13.1	22.5
435988 2009 EG_{15}		4 6.4 47°.19 1°.4/ 5.1 15				
3 2	13 23.91	− 5 16.5	1.813	2.651	13.9	21.6
3 12	13 19.73	− 4 36.4	1.756	2.671	10.3	21.4
3 22	13 13.60	− 3 46.8	1.723	2.691	6.3	21.2
4 1	13 6.21	− 2 52.8	1.716	2.711	2.3	21.0
4 11	12 58.52	− 2 0.6	1.736	2.732	2.9	21.1
4 21	12 51.43	− 1 16.2	1.784	2.753	6.9	21.4
5 1	12 45.74	− 0 44.1	1.857	2.774	10.5	21.6
5 11	12 41.96	− 0 27.0	1.952	2.795	13.7	21.9
333482 2004 TD_{91}		4 6.4 287°.02 0°.2/ 6.6 17				
3 2	13 29.22	− 7 20.5	1.829	2.652	14.4	20.9
3 12	13 24.22	− 7 28.2	1.729	2.633	11.1	20.7
3 22	13 16.78	− 7 26.4	1.652	2.614	7.1	20.4
4 1	13 7.50	− 7 16.8	1.600	2.595	2.6	20.1
4 11	12 57.35	− 7 3.3	1.577	2.576	2.1	20.0
4 21	12 47.45	− 6 50.1	1.581	2.557	6.8	20.2
5 1	12 38.89	− 6 41.8	1.612	2.539	11.2	20.5
5 11	12 32.53	− 6 42.7	1.665	2.520	15.1	20.6
237761 2001 YN_{148}		4 6.5 237°.22 4°.7/ 2.7 18				
3 2	13 29.63	+ 2 30.1	1.650	2.496	14.6	20.7
3 12	13 24.57	+ 3 24.1	1.569	2.486	11.1	20.4
3 22	13 16.97	+ 4 23.3	1.510	2.475	7.3	20.2
4 1	13 7.54	+ 5 20.5	1.477	2.464	4.7	20.0
4 11	12 57.37	+ 6 7.5	1.471	2.452	6.2	20.1
4 21	12 47.66	+ 6 37.8	1.492	2.440	10.1	20.3
5 1	12 39.51	+ 6 47.2	1.536	2.427	14.0	20.5
5 11	12 33.73	+ 6 34.7	1.601	2.414	17.6	20.7
499233 2009 UO_{119}		4 6.5 233°.87 0°.3/ 6.8 17				
3 2	13 25.82	−10 46.8	2.205	3.013	12.8	23.5
3 12	13 21.19	−10 11.0	2.103	2.999	9.8	23.2
3 22	13 14.62	− 9 21.2	2.026	2.985	6.3	23.0
4 1	13 6.66	− 8 20.4	1.976	2.970	2.4	22.7
4 11	12 58.10	− 7 13.6	1.955	2.954	1.8	22.6
4 21	12 49.82	− 6 6.6	1.963	2.938	5.8	22.9
5 1	12 42.65	− 5 5.7	1.999	2.921	9.6	23.1
5 11	12 37.25	− 4 16.0	2.059	2.904	13.0	23.2
362120 2009 DV_2		4 6.5 272°.37 3°.7/ 9.0 17				
3 2	13 29.08	−15 58.7	1.569	2.373	17.3	20.9
3 12	13 24.56	−16 21.4	1.475	2.361	13.8	20.6
3 22	13 17.22	−16 25.6	1.401	2.348	9.8	20.3
4 1	13 7.71	−16 10.7	1.351	2.335	5.6	20.0
4 11	12 57.18	−15 39.2	1.327	2.322	3.9	19.9
4 21	12 46.97	−14 56.3	1.329	2.309	7.3	20.1
5 1	12 38.41	−14 10.0	1.356	2.296	11.8	20.3
5 11	12 32.45	−13 28.4	1.405	2.283	16.0	20.5

2020	α_{2000}	δ_{2000}	Δ	r	β	V
216831 2006 VN_{131}		4 6.5 251°.24 1°.1/ 5.5 17				
	h m	° ′			°	m
3 2	13 27.37	− 6 13.7	1.946	2.771	13.6	21.6
3 12	13 22.63	− 5 38.3	1.846	2.753	10.3	21.4
3 22	13 15.67	− 4 51.2	1.770	2.735	6.5	21.1
4 1	13 7.08	− 3 56.3	1.720	2.716	2.3	20.8
4 11	12 57.75	− 2 59.5	1.699	2.696	2.8	20.8
4 21	12 48.69	− 2 7.0	1.706	2.676	7.1	21.0
5 1	12 40.88	− 1 24.9	1.740	2.655	11.3	21.2
5 11	12 35.07	− 0 57.5	1.796	2.634	14.9	21.4
4150 Starr		4 6.5 250°.44 2°.2/ 4.7 18				
3 2	13 27.91	− 4 31.2	1.613	2.452	15.3	16.6
3 12	13 23.42	− 3 43.3	1.522	2.437	11.5	16.4
3 22	13 16.34	− 2 42.5	1.454	2.422	7.2	16.1
4 1	13 7.35	− 1 34.4	1.412	2.407	2.9	15.8
4 11	12 57.52	− 0 26.8	1.397	2.391	4.0	15.8
4 21	12 48.06	+ 0 31.9	1.408	2.375	8.7	16.0
5 1	12 40.13	+ 1 14.9	1.445	2.358	13.3	16.2
5 11	12 34.58	+ 1 38.0	1.501	2.340	17.3	16.4
402973 2007 UB_{96}		4 6.5 131°.10 1°.0/ 7.4 18				
3 2	13 29.33	−11 50.2	1.849	2.657	14.9	22.0
3 12	13 23.92	−11 29.2	1.776	2.671	11.4	21.8
3 22	13 16.31	−10 53.2	1.727	2.683	7.4	21.6
4 1	13 7.23	−10 5.1	1.703	2.696	3.1	21.3
4 11	12 57.69	− 9 10.0	1.708	2.707	1.9	21.3
4 21	12 48.74	− 8 14.5	1.741	2.718	6.2	21.6
5 1	12 41.29	− 7 24.9	1.801	2.729	10.2	21.8
5 11	12 35.97	− 6 46.2	1.884	2.738	13.6	22.0
523543 2017 SF_{34}		4 6.5 256°.15 0°.4/ 6.8 17				
3 2	13 23.79	−11 48.4	1.909	2.725	14.2	22.2
3 12	13 19.93	−10 58.9	1.812	2.713	10.9	21.9
3 22	13 13.95	− 9 51.7	1.739	2.700	7.0	21.7
4 1	13 6.44	− 8 30.2	1.692	2.686	2.7	21.4
4 11	12 58.30	− 7 1.1	1.673	2.673	2.0	21.3
4 21	12 50.50	− 5 32.3	1.683	2.659	6.5	21.5
5 1	12 43.95	− 4 11.8	1.719	2.645	10.7	21.8
5 11	12 39.36	− 3 5.9	1.778	2.631	14.4	22.0
456115 2006 CF_{50}		4 6.5 336°.12 4°.2/ 9.0 16				
3 2	13 29.46	−15 26.7	1.336	2.154	19.0	21.0
3 12	13 25.15	−16 4.7	1.256	2.150	15.2	20.7
3 22	13 17.71	−16 23.5	1.196	2.146	10.8	20.4
4 1	13 7.90	−16 21.9	1.158	2.143	6.2	20.2
4 11	12 57.07	−16 2.2	1.145	2.140	4.4	20.0
4 21	12 46.75	−15 30.0	1.156	2.137	8.0	20.2
5 1	12 38.41	−14 53.6	1.191	2.135	12.7	20.5
5 11	12 33.02	−14 21.7	1.246	2.133	17.1	20.7
117141 2004 PA_{89}		4 6.5 165°.73 1°.5/ 5.1 18				
3 2	13 27.90	− 6 16.4	1.779	2.609	14.5	20.7
3 12	13 22.96	− 5 21.6	1.704	2.613	10.9	20.5
3 22	13 15.77	− 4 14.1	1.651	2.618	6.7	20.3
4 1	13 7.06	− 2 59.4	1.626	2.621	2.4	20.0
4 11	12 57.84	− 1 45.1	1.629	2.624	3.2	20.1
4 21	12 49.14	− 0 38.6	1.659	2.626	7.5	20.3
5 1	12 41.93	+ 0 13.7	1.716	2.628	11.6	20.6
5 11	12 36.85	+ 0 48.2	1.794	2.629	15.1	20.8
62470 2000 SH_{216}		4 6.5 146°.91 2°.9/ 2.9 18				
3 2	13 26.13	+ 3 23.5	2.910	3.737	9.5	19.1
3 12	13 20.73	+ 3 51.2	2.838	3.746	7.1	19.0
3 22	13 13.97	+ 4 19.9	2.793	3.754	4.6	18.8
4 1	13 6.34	+ 4 46.0	2.776	3.762	2.9	18.7
4 11	12 58.45	+ 5 5.9	2.790	3.770	3.8	18.8
4 21	12 50.91	+ 5 17.1	2.834	3.777	6.1	18.9
5 1	12 44.29	+ 5 17.7	2.905	3.784	8.5	19.1
5 11	12 39.02	+ 5 7.0	3.000	3.790	10.7	19.3
491925 2013 CY_{84}		4 6.5 198°.14 1°.8/ 5.0 17				
3 2	13 30.10	− 5 2.8	1.662	2.494	15.2	22.5
3 12	13 24.87	− 4 20.5	1.580	2.492	11.5	22.3
3 22	13 17.13	− 3 26.3	1.522	2.488	7.1	22.0
4 1	13 7.60	− 2 25.4	1.489	2.484	2.7	21.7
4 11	12 57.39	− 1 25.1	1.484	2.480	3.5	21.8
4 21	12 47.68	− 0 32.9	1.507	2.474	8.1	22.0
5 1	12 39.57	+ 0 5.2	1.555	2.468	12.5	22.3
5 11	12 33.82	+ 0 25.5	1.625	2.461	16.3	22.5
164144 2003 YF_{96}		4 6.5 156°.71 2°.6/ 3.5 18				
3 2	13 24.82	− 0 19.1	2.360	3.193	11.2	20.4
3 12	13 20.11	+ 0 26.7	2.286	3.198	8.4	20.2
3 22	13 13.75	+ 1 17.3	2.237	3.202	5.3	20.0
4 1	13 6.30	+ 2 8.1	2.216	3.206	2.8	19.9
4 11	12 58.50	+ 2 53.8	2.224	3.210	3.8	19.9
4 21	12 51.10	+ 3 30.0	2.261	3.213	6.8	20.1
5 1	12 44.76	+ 3 53.5	2.324	3.216	9.8	20.3
5 11	12 40.01	+ 4 2.6	2.410	3.219	12.5	20.5

375737 2009 RL_{47} 4 6.5 196°.81 0°.1/ 6.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 26.25	− 9 43.8	2.172	2.983	12.8	22.3
3 12	13 21.44	− 9 14.2	2.083	2.981	9.8	22.1
3 22	13 14.73	− 8 32.3	2.018	2.978	6.2	21.9
4 1	13 6.70	− 7 41.0	1.980	2.975	2.3	21.6
4 11	12 58.16	− 6 45.3	1.972	2.971	1.8	21.6
4 21	12 50.00	− 5 50.8	1.992	2.967	5.8	21.8
5 1	12 43.00	− 5 2.7	2.040	2.962	9.5	22.0
5 11	12 37.78	− 4 25.6	2.111	2.956	12.7	22.2

414782 2010 QH_{3} 4 6.5 229°.20 0°.0/ 6.4 14 C

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 27.95	− 9 35.1	1.959	2.774	13.9	22.6
3 12	13 23.03	− 9 5.2	1.863	2.762	10.7	22.3
3 22	13 15.90	− 8 21.4	1.789	2.750	6.8	22.1
4 1	13 7.17	− 7 26.7	1.742	2.737	2.5	21.8
4 11	12 57.74	− 6 26.4	1.724	2.723	2.0	21.7
4 21	12 48.64	− 5 27.1	1.734	2.708	6.5	22.0
5 1	12 40.82	− 4 35.0	1.771	2.693	10.7	22.2
5 11	12 35.02	− 3 55.5	1.831	2.677	14.3	22.4

429114 2009 SU_{202} 4 6.5 147°.20 0°.9/ 5.3 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 26.07	− 6 22.8	2.672	3.484	10.7	22.8
3 12	13 20.81	− 5 35.9	2.597	3.497	8.0	22.7
3 22	13 14.08	− 4 40.8	2.547	3.510	4.9	22.5
4 1	13 6.40	− 3 41.3	2.527	3.523	1.7	22.3
4 11	12 58.44	− 2 41.9	2.538	3.534	2.1	22.3
4 21	12 50.88	− 1 47.2	2.579	3.545	5.3	22.5
5 1	12 44.30	− 1 1.2	2.649	3.554	8.2	22.7
5 11	12 39.19	− 0 26.6	2.743	3.563	10.8	22.9

342886 2008 YM_{83} 4 6.5 192°.29 0°.1/ 6.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 24.87	− 8 15.1	2.322	3.137	12.0	21.9
3 12	13 20.26	− 7 51.7	2.235	3.136	9.1	21.7
3 22	13 13.92	− 7 18.2	2.173	3.135	5.7	21.5
4 1	13 6.39	− 6 37.6	2.139	3.134	2.0	21.3
4 11	12 58.43	− 5 54.2	2.133	3.132	1.8	21.2
4 21	12 50.81	− 5 12.7	2.157	3.130	5.5	21.5
5 1	12 44.27	− 4 37.4	2.207	3.128	8.9	21.7
5 11	12 39.35	− 4 12.0	2.282	3.126	11.9	21.9

320016 2007 DW_{58} 4 6.5 128°.24 10°.0/27.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 25.00	+ 3 44.2	1.065	1.943	18.4	20.2
3 12	13 21.87	+ 7 35.4	1.017	1.950	14.0	20.0
3 22	13 15.57	+11 38.0	0.993	1.956	10.6	19.8
4 1	13 7.08	+15 27.2	0.995	1.961	10.5	19.8
4 11	12 57.91	+18 39.1	1.022	1.967	13.6	20.0
4 21	12 49.63	+20 58.9	1.072	1.972	17.7	20.3
5 1	12 43.56	+22 22.8	1.140	1.976	21.6	20.5
5 11	12 40.46	+22 55.7	1.222	1.981	24.7	20.8

439799 2015 HN_{103} 4 6.5 231°.43 5°.2/31.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 24.15	+ 8 27.8	2.393	3.235	10.8	21.1
3 12	13 19.65	+ 9 30.4	2.318	3.229	8.3	20.9
3 22	13 13.51	+10 32.2	2.269	3.222	6.1	20.8
4 1	13 6.24	+11 27.4	2.247	3.215	5.2	20.7
4 11	12 58.58	+12 10.1	2.253	3.208	6.4	20.8
4 21	12 51.26	+12 36.4	2.286	3.201	8.8	20.9
5 1	12 44.98	+12 44.2	2.344	3.194	11.4	21.1
5 11	12 40.27	+12 33.5	2.424	3.186	13.7	21.2

102335 1999 TZ_{112} 4 6.5 198°.64 3°.4/10.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 26.20	−19 13.1	2.768	3.527	11.7	20.1
3 12	13 21.14	−19 33.1	2.671	3.525	9.5	19.9
3 22	13 14.44	−19 40.2	2.597	3.523	7.0	19.7
4 1	13 6.59	−19 34.3	2.550	3.521	4.5	19.6
4 11	12 58.28	−19 16.8	2.532	3.518	3.4	19.5
4 21	12 50.21	−18 50.6	2.543	3.515	4.9	19.6
5 1	12 43.08	−18 19.5	2.583	3.512	7.4	19.7
5 11	12 37.44	−17 48.1	2.648	3.509	9.9	19.9

91392 1999 KL_{7} 4 6.5 251°.36 8°.0/28.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 29.35	+16 15.9	2.201	3.032	12.0	19.7
3 12	13 23.84	+17 25.5	2.121	3.014	9.9	19.6
3 22	13 16.28	+18 28.9	2.066	2.995	8.3	19.4
4 1	13 7.28	+19 18.4	2.038	2.975	8.0	19.4
4 11	12 57.72	+19 47.6	2.036	2.955	9.3	19.4
4 21	12 48.51	+19 52.6	2.060	2.935	11.6	19.5
5 1	12 40.55	+19 32.4	2.107	2.913	14.0	19.6
5 11	12 34.48	+18 48.9	2.173	2.892	16.3	19.8

475672 2006 VE_{41} 4 6.5 261°.88 3°.3/ 2.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 25.12	+ 2 32.2	2.417	3.253	10.9	21.7
3 12	13 20.44	+ 3 8.8	2.327	3.239	8.2	21.5
3 22	13 14.04	+ 3 48.3	2.261	3.225	5.4	21.3
4 1	13 6.46	+ 4 26.1	2.224	3.211	3.4	21.1
4 11	12 58.41	+ 4 57.4	2.216	3.197	4.4	21.1
4 21	12 50.63	+ 5 18.3	2.236	3.182	7.3	21.3
5 1	12 43.86	+ 5 25.8	2.282	3.168	10.3	21.5
5 11	12 38.65	+ 5 18.6	2.351	3.153	13.0	21.6

253144 2002 VG_{67} 4 6.5 105°.43 1°.9/ 4.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 28.83	− 3 30.3	1.751	2.585	14.4	20.7
3 12	13 23.60	− 3 0.5	1.684	2.597	10.8	20.5
3 22	13 16.14	− 2 22.4	1.641	2.608	6.7	20.3
4 1	13 7.21	− 1 41.0	1.624	2.619	2.6	20.0
4 11	12 57.83	− 1 2.2	1.635	2.630	3.4	20.1
4 21	12 49.07	− 0 31.7	1.674	2.641	7.5	20.4
5 1	12 41.85	− 0 13.7	1.738	2.651	11.4	20.6
5 11	12 36.80	− 0 10.5	1.824	2.661	14.7	20.9

232809 2004 RD_{257} 4 6.5 116°.22 3°.4/ 9.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 28.38	−17 44.4	2.054	2.834	14.6	20.8
3 12	13 23.15	−17 56.5	1.975	2.845	11.6	20.7
3 22	13 15.85	−17 52.0	1.919	2.856	8.3	20.5
4 1	13 7.12	−17 31.4	1.888	2.866	5.0	20.3
4 11	12 57.89	−16 57.3	1.885	2.877	3.5	20.2
4 21	12 49.14	−16 14.6	1.910	2.886	5.8	20.4
5 1	12 41.75	−15 29.3	1.962	2.896	9.1	20.6
5 11	12 36.34	−14 47.2	2.038	2.905	12.2	20.8

296949 2010 EH_{14} 4 6.5 181°.39 4°.9/31.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 22.70	+ 6 59.8	2.434	3.278	10.6	20.5
3 12	13 18.51	+ 8 11.9	2.365	3.278	8.1	20.3
3 22	13 12.76	+ 9 24.3	2.322	3.278	5.8	20.2
4 1	13 5.98	+10 31.0	2.306	3.278	4.9	20.1
4 11	12 58.85	+11 26.1	2.320	3.278	6.1	20.2
4 21	12 52.08	+12 5.3	2.360	3.277	8.5	20.3
5 1	12 46.32	+12 26.3	2.425	3.277	11.0	20.5
5 11	12 42.05	+12 28.7	2.512	3.276	13.2	20.6

29057 1083 $T\text{-}_{3}$ 4 6.5 141°.75 2°.3/ 8.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 28.40	−15 17.4	2.104	2.893	14.0	20.4
3 12	13 23.09	−15 11.2	2.024	2.903	11.0	20.2
3 22	13 15.76	−14 49.6	1.966	2.912	7.5	20.0
4 1	13 7.08	−14 14.0	1.936	2.922	3.9	19.8
4 11	12 57.94	−13 28.2	1.933	2.930	2.5	19.7
4 21	12 49.26	−12 37.3	1.960	2.938	5.5	19.9
5 1	12 41.91	−11 47.4	2.014	2.946	9.0	20.2
5 11	12 36.47	−11 3.8	2.093	2.953	12.2	20.4

426610 2013 SF_{44} 4 6.5 229°.97 2°.8/ 3.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 26.99	− 0 41.6	2.081	2.915	12.5	21.6
3 12	13 22.10	+ 0 0.6	1.993	2.906	9.4	21.3
3 22	13 15.20	+ 0 49.0	1.930	2.896	5.9	21.1
4 1	13 6.91	+ 1 38.6	1.895	2.886	3.0	20.9
4 11	12 58.06	+ 2 23.6	1.888	2.876	4.1	20.9
4 21	12 49.56	+ 2 58.8	1.909	2.865	7.6	21.1
5 1	12 42.27	+ 3 20.0	1.956	2.853	11.1	21.3
5 11	12 36.82	+ 3 25.3	2.025	2.842	14.2	21.5

68814 2002 GP_{66} 4 6.5 210°.17 1°.2/ 5.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 27.04	− 6 51.3	1.981	2.805	13.4	19.8
3 12	13 22.23	− 5 59.1	1.892	2.798	10.1	19.6
3 22	13 15.34	− 4 54.3	1.826	2.791	6.3	19.3
4 1	13 6.97	− 3 41.4	1.788	2.783	2.2	19.0
4 11	12 58.02	− 2 27.1	1.779	2.775	2.8	19.1
4 21	12 49.44	− 1 18.5	1.798	2.766	7.0	19.3
5 1	12 42.14	− 0 21.7	1.844	2.756	10.9	19.5
5 11	12 36.79	+ 0 19.0	1.913	2.745	14.3	19.7

67382 2000 OO_{15} 4 6.5 174°.62 5°.2/12.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 25.86	−26 39.7	2.804	3.520	12.5	19.7
3 12	13 20.94	−26 59.6	2.708	3.522	10.6	19.6
3 22	13 14.34	−27 2.8	2.633	3.524	8.4	19.4
4 1	13 6.57	−26 48.2	2.584	3.525	6.4	19.3
4 11	12 58.35	−26 16.9	2.562	3.526	5.2	19.2
4 21	12 50.41	−25 31.9	2.568	3.527	5.8	19.2
5 1	12 43.45	−24 37.8	2.602	3.527	7.6	19.4
5 11	12 38.04	−23 40.4	2.662	3.526	9.8	19.5

317913 2003 UA_{288} 4 6.5 135°.95 1°.4/ 7.7 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 26.34	−13 40.7	1.697	2.509	15.8	21.9
3 12	13 21.96	−13 7.9	1.620	2.515	12.2	21.7
3 22	13 15.25	−12 16.1	1.564	2.521	8.1	21.4
4 1	13 6.94	−11 8.4	1.534	2.526	3.6	21.2
4 11	12 58.07	− 9 51.4	1.531	2.531	2.1	21.1
4 21	12 49.76	− 8 33.0	1.556	2.536	6.5	21.4
5 1	12 42.98	− 7 21.5	1.607	2.540	10.8	21.6
5 11	12 38.42	− 6 23.3	1.680	2.544	14.5	21.9

368685 2005 RK_{20} 4 6.5 212°.29 5°.1/12.0 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 27.21	−24 53.8	2.315	3.052	14.3	22.1
3 12	13 22.32	−24 58.1	2.212	3.045	12.0	21.9
3 22	13 15.39	−24 42.1	2.130	3.037	9.3	21.7
4 1	13 7.00	−24 5.0	2.073	3.029	6.6	21.5
4 11	12 57.99	−23 8.5	2.043	3.020	5.1	21.4
4 21	12 49.29	−21 57.2	2.042	3.010	6.2	21.4
5 1	12 41.77	−20 37.7	2.068	3.000	8.8	21.6
5 11	12 36.11	−19 17.6	2.119	2.989	11.7	21.7

518884 2010 EY_{149} 4 6.5 251°.15 0°.6/ 7.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 22.35	−11 32.7	2.420	3.227	11.8	21.8
3 12	13 18.39	−10 58.4	2.323	3.218	9.1	21.6
3 22	13 12.79	−10 11.2	2.250	3.208	5.9	21.4
4 1	13 6.03	− 9 13.9	2.205	3.199	2.4	21.1
4 11	12 58.81	− 8 10.8	2.189	3.189	1.5	21.0
4 21	12 51.88	− 7 7.3	2.202	3.179	5.1	21.3
5 1	12 45.92	− 6 8.7	2.243	3.169	8.5	21.4
5 11	12 41.49	− 5 19.7	2.308	3.159	11.6	21.6

91054 1998 FB_{48} 4 6.5 81°.68 2°.0/ 8.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 27.57	−13 21.9	1.819	2.626	15.1	18.5
3 12	13 22.70	−13 20.9	1.747	2.638	11.8	18.3
3 22	13 15.62	−13 4.5	1.697	2.650	7.9	18.1
4 1	13 7.05	−12 34.4	1.673	2.662	3.8	17.9
4 11	12 58.00	−11 55.0	1.676	2.674	2.3	17.8
4 21	12 49.51	−11 11.8	1.706	2.686	6.0	18.1
5 1	12 42.49	−10 31.1	1.763	2.698	9.9	18.3
5 11	12 37.60	− 9 58.1	1.843	2.709	13.3	18.6

207679 2007 PV_{42} 4 6.5 153°.07 3°.1/ 3.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 27.53	− 2 16.0	1.693	2.534	14.5	20.9
3 12	13 22.75	− 1 8.9	1.624	2.540	10.8	20.7
3 22	13 15.69	+ 0 7.8	1.578	2.546	6.8	20.4
4 1	13 7.09	+ 1 26.9	1.559	2.551	3.4	20.2
4 11	12 57.99	+ 2 40.1	1.567	2.556	4.7	20.3
4 21	12 49.47	+ 3 39.8	1.603	2.560	8.7	20.6
5 1	12 42.48	+ 4 20.8	1.663	2.563	12.6	20.8
5 11	12 37.68	+ 4 40.8	1.745	2.566	15.9	21.0

162436 2000 FX_{52} 4 6.5 264°.00 1°.9/ 8.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 25.16	−13 44.0	2.147	2.947	13.4	20.6
3 12	13 20.77	−13 39.7	2.052	2.939	10.5	20.4
3 22	13 14.42	−13 21.3	1.979	2.930	7.1	20.1
4 1	13 6.66	−12 50.4	1.932	2.921	3.5	19.9
4 11	12 58.31	−12 10.1	1.913	2.911	2.2	19.8
4 21	12 50.27	−11 25.5	1.923	2.902	5.5	20.0
5 1	12 43.37	−10 41.8	1.960	2.893	9.2	20.2
5 11	12 38.28	−10 4.5	2.020	2.884	12.5	20.4

290572 2005 UP_{124} 4 6.5 239°.60 0°.7/ 7.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 26.04	−10 49.3	1.868	2.685	14.4	21.8
3 12	13 21.63	−10 31.1	1.781	2.681	11.1	21.6
3 22	13 15.04	− 9 58.5	1.717	2.676	7.2	21.3
4 1	13 6.89	− 9 14.3	1.678	2.672	2.9	21.1
4 11	12 58.14	− 8 23.4	1.667	2.667	1.9	21.0
4 21	12 49.78	− 7 31.9	1.684	2.662	6.3	21.2
5 1	12 42.76	− 6 46.1	1.727	2.657	10.4	21.5
5 11	12 37.79	− 6 11.1	1.793	2.652	14.0	21.7

170075 2002 VT_{140} 4 6.5 77°.19 2°.5/ 3.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 23.26	− 2 18.6	2.117	2.955	12.2	20.0
3 12	13 19.03	− 1 15.5	2.057	2.972	9.0	19.8
3 22	13 13.11	− 0 5.7	2.022	2.990	5.5	19.7
4 1	13 6.12	+ 1 5.3	2.015	3.007	2.7	19.5
4 11	12 58.84	+ 2 10.9	2.036	3.024	3.8	19.6
4 21	12 52.06	+ 3 5.8	2.085	3.042	7.0	19.8
5 1	12 46.46	+ 3 45.9	2.161	3.059	10.2	20.1
5 11	12 42.53	+ 4 9.2	2.259	3.076	12.9	20.3

352468 2008 AC_{117} 4 6.5 321°.42 9°.3/26.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 23.57	+18 29.3	1.984	2.827	12.6	19.8
3 12	13 19.66	+19 56.0	1.919	2.814	10.7	19.6
3 22	13 13.72	+21 14.1	1.878	2.800	9.4	19.5
4 1	13 6.40	+22 15.0	1.862	2.787	9.5	19.5
4 11	12 58.57	+22 51.5	1.871	2.775	10.9	19.6
4 21	12 51.18	+22 59.8	1.903	2.763	13.0	19.7
5 1	12 45.08	+22 39.5	1.955	2.751	15.3	19.8
5 11	12 40.88	+21 53.0	2.025	2.740	17.4	19.9

92953 2000 RL_{43} 4 6.5 195°.41 3°.6/10.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 28.56	−20 41.5	2.710	3.457	12.2	21.9
3 12	13 22.97	−20 51.2	2.608	3.454	10.0	21.7
3 22	13 15.64	−20 46.1	2.529	3.450	7.4	21.5
4 1	13 7.07	−20 26.0	2.477	3.445	4.9	21.4
4 11	12 58.00	−19 52.8	2.455	3.440	3.6	21.3
4 21	12 49.19	−19 9.6	2.462	3.434	5.1	21.4
5 1	12 41.38	−18 21.3	2.498	3.426	7.7	21.5
5 11	12 35.15	−17 33.1	2.560	3.419	10.3	21.7

504189 2006 TW_{38} 4 6.5 173°.95 0°.4/ 5.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 23.69	− 7 3.4	2.834	3.645	10.2	22.4
3 12	13 19.08	− 6 36.1	2.748	3.648	7.6	22.3
3 22	13 13.06	− 6 1.0	2.687	3.649	4.7	22.1
4 1	13 6.11	− 5 21.0	2.656	3.651	1.6	21.8
4 11	12 58.83	− 4 39.8	2.654	3.652	1.7	21.8
4 21	12 51.85	− 4 1.0	2.682	3.653	4.8	22.1
5 1	12 45.74	− 3 28.2	2.739	3.653	7.7	22.3
5 11	12 40.95	− 3 4.1	2.820	3.653	10.2	22.4

339487 2005 GK_{10} 4 6.5 355°.41 0°.9/ 5.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 24.41	− 5 45.3	1.778	2.615	14.1	20.5
3 12	13 20.42	− 5 25.7	1.700	2.613	10.7	20.3
3 22	13 14.27	− 4 56.1	1.644	2.611	6.6	20.1
4 1	13 6.62	− 4 20.2	1.614	2.610	2.3	19.8
4 11	12 58.41	− 3 43.6	1.611	2.609	2.6	19.8
4 21	12 50.65	− 3 11.8	1.635	2.609	6.9	20.1
5 1	12 44.26	− 2 49.8	1.685	2.609	11.0	20.3
5 11	12 39.91	− 2 40.9	1.756	2.609	14.5	20.5

140428 2001 TT_{94} 4 6.5 294°.10 2°.7/ 9.5 18 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 22.44	−17 39.8	2.187	2.974	13.6	19.6
3 12	13 18.69	−17 22.2	2.093	2.968	10.8	19.4
3 22	13 13.08	−16 47.1	2.021	2.963	7.6	19.2
4 1	13 6.18	−15 55.9	1.974	2.957	4.3	19.0
4 11	12 58.76	−14 52.3	1.956	2.951	2.8	18.9
4 21	12 51.67	−13 41.9	1.966	2.946	5.3	19.0
5 1	12 45.71	−12 31.4	2.003	2.940	8.7	19.2
5 11	12 41.47	−11 27.1	2.064	2.935	11.9	19.4

43493 2001 CV_{1} 4 6.5 167°.61 3°.2/ 3.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 25.05	+ 0 11.6	2.081	2.920	12.3	19.6
3 12	13 20.53	+ 1 3.7	2.006	2.922	9.2	19.4
3 22	13 14.16	+ 2 1.3	1.957	2.923	5.8	19.1
4 1	13 6.54	+ 2 58.6	1.934	2.924	3.3	19.0
4 11	12 58.50	+ 3 49.6	1.941	2.925	4.5	19.1
4 21	12 50.88	+ 4 29.0	1.974	2.926	7.7	19.3
5 1	12 44.47	+ 4 53.2	2.034	2.927	11.0	19.5
5 11	12 39.83	+ 5 0.5	2.115	2.927	13.9	19.7

305570 2008 WG_{113} 4 6.5 289°.63 6°.6/ 1.8 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 29.37	+ 5 30.2	1.361	2.220	16.4	20.6
3 12	13 25.06	+ 6 27.8	1.276	2.198	12.7	20.3
3 22	13 17.70	+ 7 29.2	1.212	2.176	8.9	20.0
4 1	13 8.00	+ 8 24.8	1.173	2.155	6.7	19.8
4 11	12 57.22	+ 9 4.3	1.158	2.133	8.4	19.8
4 21	12 46.83	+ 9 19.8	1.167	2.111	12.6	20.0
5 1	12 38.25	+ 9 7.3	1.198	2.090	17.0	20.2
5 11	12 32.48	+ 8 27.3	1.246	2.068	21.1	20.4

289534 2005 EU_{207} 4 6.5 352°.52 1°.3/ 7.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 23.11	−11 19.9	1.224	2.071	18.6	20.2
3 12	13 20.39	−11 12.2	1.151	2.065	14.5	19.9
3 22	13 14.72	−10 44.3	1.096	2.061	9.5	19.6
4 1	13 6.89	− 9 59.2	1.064	2.058	4.0	19.3
4 11	12 58.19	− 9 3.6	1.055	2.055	2.5	19.2
4 21	12 50.07	− 8 6.6	1.071	2.054	8.0	19.5
5 1	12 43.87	− 7 17.5	1.109	2.054	13.3	19.8
5 11	12 40.46	− 6 43.6	1.166	2.054	17.9	20.0

30720 1969 GB 4 6.5 353°.39 4°.9/11.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 22.65	−23 20.6	2.151	2.911	14.6	18.1
3 12	13 18.96	−23 29.8	2.060	2.909	12.1	17.9
3 22	13 13.30	−23 19.0	1.990	2.907	9.3	17.7
4 1	13 6.27	−22 47.8	1.943	2.906	6.5	17.6
4 11	12 58.70	−21 58.6	1.924	2.905	5.0	17.5
4 21	12 51.48	−20 56.1	1.931	2.904	6.1	17.5
5 1	12 45.46	−19 46.8	1.965	2.904	8.8	17.7
5 11	12 41.26	−18 38.0	2.024	2.904	11.7	17.9

175438 2006 QX_{31} 4 6.5 205°.95 3°.0/ 9.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 28.33	−17 8.0	2.023	2.807	14.6	20.8
3 12	13 23.32	−17 4.4	1.928	2.802	11.7	20.6
3 22	13 16.10	−16 43.3	1.856	2.797	8.2	20.3
4 1	13 7.30	−16 5.3	1.809	2.791	4.7	20.1
4 11	12 57.85	−15 13.7	1.790	2.785	3.1	20.0
4 21	12 48.76	−14 14.0	1.800	2.778	5.9	20.2
5 1	12 40.98	−13 13.0	1.836	2.770	9.6	20.4
5 11	12 35.22	−12 17.4	1.897	2.762	13.1	20.6

459091 2012 BX_{83} 4 6.5 323°.68 5°.8/ 1.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 26.05	+ 4 11.4	1.505	2.363	15.1	21.5
3 12	13 21.97	+ 5 23.9	1.437	2.360	11.5	21.3
3 22	13 15.37	+ 6 40.4	1.393	2.358	7.8	21.0
4 1	13 7.04	+ 7 51.7	1.373	2.355	5.8	20.9
4 11	12 58.10	+ 8 48.5	1.379	2.353	7.5	21.0
4 21	12 49.74	+ 9 23.7	1.410	2.351	11.1	21.2
5 1	12 43.04	+ 9 33.7	1.464	2.349	14.9	21.4
5 11	12 38.71	+ 9 18.7	1.536	2.347	18.2	21.6

43333 2000 QY_{64} 4 6.5 262°.23 4°.0/ 3.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 29.60	+ 0 49.0	1.687	2.529	14.5	18.6
3 12	13 24.70	+ 1 38.1	1.592	2.508	11.0	18.3
3 22	13 17.22	+ 2 34.7	1.520	2.486	7.2	18.0
4 1	13 7.79	+ 3 32.1	1.474	2.464	4.2	17.8
4 11	12 57.45	+ 4 22.4	1.456	2.441	5.6	17.8
4 21	12 47.40	+ 4 58.6	1.464	2.418	9.7	18.0
5 1	12 38.81	+ 5 15.6	1.497	2.393	14.0	18.2
5 11	12 32.56	+ 5 11.1	1.550	2.369	17.7	18.4

502177 2015 BK_{61} 4 6.5 218°.05 5°.4/31.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 26.48	+ 7 59.9	2.326	3.165	11.2	22.3
3 12	13 21.52	+ 9 15.4	2.246	3.155	8.7	22.1
3 22	13 14.77	+10 31.2	2.192	3.145	6.4	22.0
4 1	13 6.79	+11 40.9	2.166	3.134	5.5	21.9
4 11	12 58.33	+12 37.7	2.168	3.122	6.8	22.0
4 21	12 50.20	+13 17.0	2.198	3.110	9.3	22.1
5 1	12 43.17	+13 36.0	2.253	3.097	12.0	22.2
5 11	12 37.80	+13 34.6	2.329	3.083	14.4	22.4

55320 Busler 4 6.5 257°.09 2°.5/ 9.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 24.25	−16 6.0	2.257	3.046	13.1	19.4
3 12	13 20.00	−16 1.3	2.162	3.040	10.4	19.2
3 22	13 13.90	−15 41.6	2.090	3.035	7.2	18.9
4 1	13 6.49	−15 7.9	2.045	3.029	4.0	18.7
4 11	12 58.56	−14 23.4	2.027	3.023	2.6	18.6
4 21	12 50.93	−13 32.8	2.038	3.017	5.2	18.8
5 1	12 44.40	−12 41.6	2.076	3.011	8.6	19.0
5 11	12 39.59	−11 55.4	2.139	3.006	11.7	19.2

193783 2001 OT_{34} 4 6.5 300°.94 2°.5/ 5.0 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 28.90	− 2 47.4	1.258	2.113	17.7	20.2
3 12	13 24.96	− 2 30.6	1.171	2.094	13.5	19.9
3 22	13 17.79	− 2 3.4	1.104	2.075	8.6	19.6
4 1	13 8.09	− 1 31.1	1.060	2.056	3.5	19.2
4 11	12 57.18	− 1 1.3	1.041	2.037	4.4	19.2
4 21	12 46.63	− 0 41.6	1.046	2.019	10.0	19.5
5 1	12 38.00	− 0 38.3	1.074	2.001	15.5	19.7
5 11	12 32.36	− 0 54.9	1.119	1.983	20.2	19.9

427961 2005 YH_{54} 4 6.5 147°.95 1°.9/ 4.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 26.17	− 3 27.7	2.168	2.997	12.2	22.0
3 12	13 21.28	− 2 42.3	2.095	3.004	9.1	21.8
3 22	13 14.59	− 1 49.2	2.045	3.012	5.6	21.6
4 1	13 6.70	− 0 53.2	2.024	3.018	2.4	21.4
4 11	12 58.43	+ 0 0.2	2.032	3.025	3.2	21.5
4 21	12 50.61	+ 0 45.6	2.069	3.031	6.7	21.7
5 1	12 43.98	+ 1 19.0	2.132	3.036	10.0	21.9
5 11	12 39.09	+ 1 37.9	2.218	3.041	12.9	22.1

333691 2008 UE_{176} 4 6.5 193°.56 1°.6/ 8.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 24.70	−15 18.8	2.609	3.392	11.7	21.3
3 12	13 20.05	−14 50.6	2.513	3.390	9.2	21.2
3 22	13 13.78	−14 8.3	2.441	3.387	6.2	21.0
4 1	13 6.42	−13 14.0	2.396	3.384	3.1	20.8
4 11	12 58.65	−12 11.3	2.382	3.380	1.9	20.7
4 21	12 51.17	−11 5.0	2.397	3.375	4.7	20.8
5 1	12 44.67	−10 0.6	2.441	3.370	7.8	21.0
5 11	12 39.66	− 9 2.9	2.510	3.364	10.7	21.2

39018 2000 UM_{53} 4 6.5 47°.13 1°.2/ 5.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 23.05	− 5 49.5	1.978	2.812	13.1	18.9
3 12	13 18.98	− 5 6.4	1.921	2.833	9.7	18.7
3 22	13 13.13	− 4 14.1	1.888	2.855	5.9	18.5
4 1	13 6.16	− 3 17.2	1.882	2.878	2.1	18.3
4 11	12 58.91	− 2 21.9	1.904	2.900	2.7	18.4
4 21	12 52.21	− 1 33.5	1.954	2.923	6.4	18.7
5 1	12 46.77	− 0 56.6	2.029	2.946	9.8	18.9
5 11	12 43.10	− 0 33.8	2.128	2.969	12.8	19.2

208766 2002 PP_{106} 4 6.5 194°.64 5°.7/13.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 26.88	−27 44.8	2.640	3.352	13.3	21.8
3 12	13 21.88	−28 7.1	2.540	3.349	11.3	21.6
3 22	13 15.05	−28 11.1	2.461	3.347	9.1	21.5
4 1	13 6.91	−27 55.5	2.407	3.344	7.0	21.3
4 11	12 58.23	−27 21.0	2.380	3.340	5.8	21.3
4 21	12 49.83	−26 30.7	2.380	3.337	6.3	21.3
5 1	12 42.50	−25 29.9	2.409	3.332	8.2	21.4
5 11	12 36.83	−24 24.8	2.463	3.328	10.4	21.5

146627 2001 UD_{12} 4 6.5 158°.43 7°.9/23.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 25.05	+26 6.0	3.186	3.988	9.4	19.9
3 12	13 19.98	+27 25.9	3.147	3.995	8.4	19.9
3 22	13 13.56	+28 35.0	3.133	4.002	7.9	19.8
4 1	13 6.29	+29 27.8	3.145	4.009	8.1	19.9
4 11	12 58.79	+30 0.7	3.183	4.015	9.0	19.9
4 21	12 51.67	+30 12.3	3.244	4.020	10.1	20.0
5 1	12 45.47	+30 2.7	3.327	4.025	11.4	20.1
5 11	12 40.60	+29 33.9	3.427	4.030	12.5	20.2

15498 1999 EQ_4 4 6.5 99°.78 0°.5/ 5.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 22.35	− 8 49.4	2.221	3.041	12.3	17.4
3 12	13 18.42	− 7 57.7	2.144	3.048	9.2	17.2
3 22	13 12.80	− 6 54.1	2.091	3.055	5.7	17.0
4 1	13 6.07	− 5 42.8	2.066	3.061	2.0	16.7
4 11	12 58.97	− 4 29.5	2.070	3.068	2.0	16.8
4 21	12 52.28	− 3 20.3	2.102	3.074	5.8	17.0
5 1	12 46.68	− 2 20.6	2.162	3.080	9.2	17.2
5 11	12 42.70	− 1 34.3	2.245	3.087	12.2	17.4

463141 2011 YT_{20} 4 6.5 157°.49 2°.8/ 3.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 28.59	− 1 36.9	1.953	2.786	13.2	22.4
3 12	13 23.28	− 0 39.6	1.882	2.794	9.9	22.2
3 22	13 15.92	+ 0 25.0	1.835	2.801	6.2	22.0
4 1	13 7.20	+ 1 31.0	1.815	2.807	3.1	21.8
4 11	12 58.05	+ 2 31.6	1.825	2.813	4.2	21.9
4 21	12 49.43	+ 3 20.8	1.863	2.818	7.8	22.2
5 1	12 42.17	+ 3 54.2	1.927	2.822	11.4	22.4
5 11	12 36.88	+ 4 9.8	2.012	2.826	14.4	22.6

397378 2006 UJ_{338} 4 6.5 281°.39 3°.3/ 3.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 25.22	+ 2 29.7	2.278	3.116	11.4	20.9
3 12	13 20.58	+ 3 2.9	2.195	3.108	8.6	20.7
3 22	13 14.19	+ 3 38.7	2.137	3.101	5.6	20.5
4 1	13 6.59	+ 4 12.5	2.106	3.094	3.4	20.3
4 11	12 58.54	+ 4 39.3	2.104	3.087	4.5	20.4
4 21	12 50.83	+ 4 55.4	2.131	3.079	7.4	20.5
5 1	12 44.20	+ 4 57.9	2.183	3.072	10.5	20.7
5 11	12 39.23	+ 4 45.8	2.257	3.065	13.2	20.9

85125 1978 VU_8 4 6.5 98°.41 1°.3/ 5.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 28.68	− 5 35.8	1.811	2.639	14.3	19.8
3 12	13 23.37	− 4 57.5	1.750	2.659	10.7	19.6
3 22	13 15.95	− 4 9.1	1.714	2.679	6.6	19.4
4 1	13 7.19	− 3 15.7	1.704	2.699	2.4	19.2
4 11	12 58.10	− 2 23.6	1.722	2.718	2.9	19.2
4 21	12 49.66	− 1 38.7	1.768	2.737	7.0	19.5
5 1	12 42.73	− 1 5.9	1.841	2.755	10.8	19.8
5 11	12 37.88	− 0 47.9	1.935	2.773	14.0	20.0

227379 2005 UQ_{244} 4 6.5 143°.10 0°.6/ 5.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 28.71	− 6 12.6	2.159	2.977	12.7	21.6
3 12	13 23.21	− 5 53.7	2.083	2.986	9.6	21.4
3 22	13 15.82	− 5 26.2	2.032	2.995	5.9	21.2
4 1	13 7.16	− 4 53.2	2.008	3.003	2.1	20.9
4 11	12 58.10	− 4 19.3	2.013	3.011	2.2	21.0
4 21	12 49.49	− 3 48.9	2.047	3.018	6.0	21.2
5 1	12 42.15	− 3 26.1	2.109	3.025	9.5	21.5
5 11	12 36.62	− 3 14.0	2.194	3.031	12.6	21.7

40999 1999 UU_8 4 6.5 225°.68 1°.5/ 8.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 24.80	−13 45.8	2.200	2.999	13.1	18.6
3 12	13 20.44	−13 24.5	2.105	2.993	10.2	18.4
3 22	13 14.20	−12 48.4	2.034	2.986	6.8	18.1
4 1	13 6.62	−11 59.5	1.989	2.979	3.2	17.9
4 11	12 58.52	−11 1.9	1.973	2.972	1.9	17.8
4 21	12 50.74	−10 1.2	1.986	2.965	5.4	18.0
5 1	12 44.08	− 9 3.2	2.026	2.957	9.0	18.2
5 11	12 39.17	− 8 13.4	2.090	2.949	12.3	18.4

32648 3538 *P–L* 4 6.5 205°.23 2°.4/ 8.6 18 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 29.96	−15 36.7	2.009	2.796	14.6	19.2
3 12	13 24.57	−15 25.4	1.912	2.791	11.5	18.9
3 22	13 16.92	−14 57.0	1.838	2.784	7.9	18.7
4 1	13 7.64	−14 12.5	1.790	2.777	4.1	18.5
4 11	12 57.68	−13 15.8	1.771	2.768	2.6	18.3
4 21	12 48.07	−12 12.8	1.781	2.759	6.0	18.5
5 1	12 39.79	−11 10.4	1.818	2.749	9.9	18.7
5 11	12 33.59	−10 15.3	1.879	2.738	13.5	18.9

472866 2015 FZ_{296} 4 6.5 285°.79 4°.1/ 1.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 22.13	+ 2 53.4	2.197	3.043	11.5	20.6
3 12	13 18.30	+ 4 5.6	2.123	3.040	8.6	20.4
3 22	13 12.76	+ 5 21.7	2.074	3.038	5.7	20.3
4 1	13 6.08	+ 6 35.4	2.053	3.036	4.1	20.1
4 11	12 59.00	+ 7 40.1	2.060	3.034	5.4	20.2
4 21	12 52.28	+ 8 30.3	2.095	3.032	8.3	20.4
5 1	12 46.65	+ 9 2.6	2.154	3.029	11.2	20.6
5 11	12 42.63	+ 9 15.7	2.235	3.027	13.8	20.7

249498 2009 XU_{15} 4 6.5 169°.10 0°.7/ 5.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 25.67	− 6 50.3	2.396	3.213	11.6	21.8
3 12	13 20.81	− 6 12.3	2.314	3.217	8.7	21.7
3 22	13 14.27	− 5 25.0	2.257	3.220	5.4	21.4
4 1	13 6.61	− 4 32.0	2.228	3.223	1.9	21.2
4 11	12 58.57	− 3 38.1	2.228	3.226	2.1	21.2
4 21	12 50.89	− 2 48.1	2.258	3.227	5.7	21.5
5 1	12 44.29	− 2 6.5	2.316	3.229	8.9	21.7
5 11	12 39.27	− 1 36.6	2.398	3.230	11.8	21.9

346185 2007 WB_{56} 4 6.5 106°.57 7°.3/29.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 27.53	+16 51.5	2.370	3.201	11.3	20.8
3 12	13 22.09	+17 50.7	2.322	3.213	9.2	20.7
3 22	13 14.98	+18 41.7	2.298	3.225	7.7	20.6
4 1	13 6.82	+19 18.4	2.301	3.237	7.4	20.6
4 11	12 58.43	+19 36.1	2.331	3.248	8.4	20.7
4 21	12 50.58	+19 32.7	2.387	3.260	10.3	20.8
5 1	12 43.94	+19 8.4	2.466	3.271	12.3	21.0
5 11	12 38.99	+18 25.1	2.565	3.282	14.1	21.1

217217 2002 VD_{28} 4 6.5 134.°93 1.°8/ 4.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 27.12	− 4 22.7	1.750	2.586	14.4	19.8
3 12	13 22.45	− 3 44.6	1.677	2.590	10.8	19.6
3 22	13 15.54	− 2 56.7	1.627	2.594	6.7	19.3
4 1	13 7.11	− 2 3.9	1.603	2.598	2.6	19.1
4 11	12 58.17	− 1 12.9	1.606	2.601	3.4	19.1
4 21	12 49.74	− 0 30.0	1.637	2.604	7.6	19.4
5 1	12 42.79	− 0 0.3	1.693	2.607	11.6	19.6
5 11	12 37.97	+ 0 13.2	1.771	2.610	15.0	19.9

188954 2007 EK_{114} 4 6.5 213.°30 2.°3/ 4.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 25.33	− 3 29.0	2.068	2.900	12.6	21.5
3 12	13 20.86	− 2 29.5	1.983	2.895	9.4	21.3
3 22	13 14.46	− 1 20.4	1.922	2.889	5.9	21.1
4 1	13 6.72	− 0 7.2	1.889	2.882	2.6	20.9
4 11	12 58.47	+ 1 3.4	1.884	2.875	3.7	20.9
4 21	12 50.59	+ 2 5.1	1.909	2.868	7.3	21.1
5 1	12 43.89	+ 2 52.5	1.959	2.860	10.9	21.3
5 11	12 39.00	+ 3 22.7	2.031	2.852	14.1	21.5

66273 1999 JU_{7} 4 6.5 267.°64 0.°7/ 7.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 27.81	−10 52.5	1.727	2.545	15.3	20.1
3 12	13 23.42	−10 30.8	1.622	2.522	11.9	19.8
3 22	13 16.48	− 9 52.5	1.539	2.499	7.8	19.5
4 1	13 7.58	− 8 59.9	1.481	2.475	3.1	19.1
4 11	12 57.71	− 7 58.2	1.451	2.450	2.1	19.0
4 21	12 48.05	− 6 54.6	1.448	2.425	7.1	19.3
5 1	12 39.77	− 5 57.0	1.471	2.400	11.9	19.5
5 11	12 33.78	− 5 12.1	1.515	2.374	16.1	19.7

121048 1999 CF_{42} 4 6.5 152.°01 1.°7/ 7.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 31.73	−12 33.9	1.796	2.599	15.5	19.8
3 12	13 25.96	−12 31.0	1.718	2.607	12.0	19.6
3 22	13 17.78	−12 12.8	1.662	2.615	8.0	19.4
4 1	13 7.94	−11 41.2	1.632	2.622	3.6	19.1
4 11	12 57.51	−11 0.4	1.630	2.629	2.2	19.0
4 21	12 47.64	−10 16.3	1.656	2.634	6.3	19.3
5 1	12 39.34	− 9 35.2	1.709	2.639	10.5	19.5
5 11	12 33.33	− 9 2.7	1.786	2.644	14.1	19.8

334822 2003 SP_{329} 4 6.5 216.°97 3.°7/ 2.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 25.04	+ 3 23.7	2.553	3.387	10.4	21.5
3 12	13 20.30	+ 4 22.0	2.467	3.379	7.9	21.4
3 22	13 13.95	+ 5 23.3	2.408	3.369	5.3	21.2
4 1	13 6.52	+ 6 22.5	2.377	3.359	3.7	21.1
4 11	12 58.66	+ 7 14.2	2.375	3.349	4.8	21.1
4 21	12 51.10	+ 7 53.9	2.403	3.338	7.4	21.3
5 1	12 44.49	+ 8 18.6	2.456	3.326	10.2	21.4
5 11	12 39.37	+ 8 27.1	2.532	3.314	12.7	21.6

228507 2001 TV_{36} 4 6.5 165.°60 0.°3/ 6.8 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 29.27	− 8 51.0	2.271	3.077	12.5	21.3
3 12	13 23.62	− 8 41.0	2.187	3.082	9.5	21.1
3 22	13 16.10	− 8 21.1	2.128	3.087	6.1	20.9
4 1	13 7.30	− 7 53.5	2.096	3.090	2.3	20.6
4 11	12 58.04	− 7 22.2	2.095	3.094	1.7	20.6
4 21	12 49.19	− 6 51.3	2.122	3.097	5.5	20.8
5 1	12 41.52	− 6 25.1	2.178	3.099	9.0	21.1
5 11	12 35.64	− 6 7.2	2.257	3.100	12.1	21.3

166637 2002 SU_{40} 4 6.5 206.°62 1.°7/ 4.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 24.75	− 3 39.2	2.233	3.063	11.9	19.6
3 12	13 20.26	− 3 3.5	2.151	3.061	8.9	19.4
3 22	13 14.01	− 2 20.3	2.092	3.059	5.5	19.2
4 1	13 6.55	− 1 33.7	2.062	3.056	2.2	19.0
4 11	12 58.65	− 0 48.8	2.060	3.054	2.9	19.0
4 21	12 51.11	− 0 10.4	2.087	3.051	6.4	19.2
5 1	12 44.67	+ 0 17.4	2.140	3.049	9.8	19.4
5 11	12 39.90	+ 0 32.1	2.217	3.046	12.8	19.6

157881 1999 RZ 4 6.5 224.°96 1.°4/ 7.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 24.60	−13 46.7	2.136	2.938	13.4	20.4
3 12	13 20.34	−13 20.2	2.043	2.932	10.4	20.2
3 22	13 14.17	−12 38.0	1.973	2.926	6.9	19.9
4 1	13 6.63	−11 42.5	1.929	2.919	3.2	19.7
4 11	12 58.56	−10 38.3	1.913	2.913	1.9	19.6
4 21	12 50.83	− 9 31.1	1.927	2.906	5.5	19.8
5 1	12 44.26	− 8 27.6	1.967	2.898	9.2	20.0
5 11	12 39.47	− 7 33.2	2.032	2.891	12.6	20.2

467099 2016 EB_{30} 4 6.5 317.°66 4.°4/ 3.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 28.48	+ 2 12.3	1.428	2.283	15.9	20.4
3 12	13 24.10	+ 2 42.3	1.350	2.272	12.1	20.2
3 22	13 16.93	+ 3 16.7	1.294	2.262	7.9	19.9
4 1	13 7.71	+ 3 48.4	1.262	2.251	4.6	19.7
4 11	12 57.67	+ 4 9.9	1.255	2.242	6.0	19.7
4 21	12 48.14	+ 4 15.2	1.273	2.232	10.2	19.9
5 1	12 40.37	+ 4 1.0	1.315	2.223	14.6	20.2
5 11	12 35.21	+ 3 26.5	1.376	2.215	18.5	20.4

228649 2002 EQ_{85} 4 6.5 46.°28 1.°3/ 7.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 30.70	− 9 26.6	1.710	2.528	15.5	20.1
3 12	13 25.26	− 9 49.8	1.636	2.536	11.9	19.9
3 22	13 17.38	−10 1.8	1.584	2.543	7.8	19.7
4 1	13 7.81	−10 3.9	1.558	2.551	3.3	19.4
4 11	12 57.63	− 9 59.1	1.560	2.559	2.1	19.4
4 21	12 48.01	− 9 51.6	1.588	2.567	6.5	19.6
5 1	12 40.00	− 9 46.0	1.643	2.576	10.7	19.9
5 11	12 34.30	− 9 46.5	1.721	2.584	14.3	20.1

434975 2006 UO_{122} 4 6.5 260.°07 3.°1/ 3.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 27.95	+ 2 44.0	2.288	3.121	11.5	21.1
3 12	13 22.59	+ 3 1.6	2.208	3.119	8.7	20.9
3 22	13 15.43	+ 3 20.7	2.154	3.117	5.6	20.7
4 1	13 7.06	+ 3 37.3	2.127	3.115	3.3	20.5
4 11	12 58.26	+ 3 47.1	2.129	3.113	4.2	20.6
4 21	12 49.85	+ 3 47.1	2.160	3.112	7.1	20.8
5 1	12 42.58	+ 3 35.2	2.217	3.110	10.2	20.9
5 11	12 37.03	+ 3 10.6	2.298	3.108	13.0	21.1

355793 2008 SZ_{93} 4 6.5 94.°23 2.°0/ 8.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 28.77	−14 4.6	1.430	2.248	17.9	21.5
3 12	13 24.15	−13 46.9	1.363	2.261	14.0	21.2
3 22	13 16.81	−13 8.2	1.317	2.273	9.3	21.0
4 1	13 7.61	−12 11.5	1.294	2.285	4.3	20.7
4 11	12 57.83	−11 3.3	1.298	2.297	2.5	20.6
4 21	12 48.78	− 9 52.4	1.328	2.309	7.1	21.0
5 1	12 41.61	− 8 47.8	1.382	2.320	11.8	21.2
5 11	12 37.05	− 7 56.8	1.459	2.332	15.8	21.5

271789 2004 TS_{45} 4 6.5 248.°49 0.°7/ 5.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 29.23	− 5 28.3	2.090	2.910	13.0	21.5
3 12	13 23.90	− 5 21.4	1.994	2.898	9.9	21.2
3 22	13 16.46	− 5 6.5	1.922	2.885	6.2	21.0
4 1	13 7.49	− 4 46.3	1.876	2.872	2.2	20.7
4 11	12 57.87	− 4 24.9	1.860	2.858	2.3	20.7
4 21	12 48.53	− 4 6.4	1.873	2.845	6.4	20.9
5 1	12 40.41	− 3 55.0	1.913	2.830	10.3	21.1
5 11	12 34.19	− 3 53.7	1.976	2.816	13.6	21.3

334418 2002 ER_{113} 4 6.5 313.°00 1.°7/ 7.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 27.49	−11 44.5	1.791	2.605	15.0	21.1
3 12	13 22.91	−11 55.2	1.704	2.599	11.7	20.8
3 22	13 15.98	−11 52.3	1.638	2.594	7.8	20.6
4 1	13 7.34	−11 37.0	1.597	2.588	3.6	20.3
4 11	12 58.00	−11 12.9	1.584	2.583	2.3	20.2
4 21	12 49.04	−10 44.8	1.598	2.578	6.3	20.5
5 1	12 41.49	−10 18.3	1.638	2.573	10.5	20.7
5 11	12 36.13	− 9 58.7	1.700	2.568	14.2	20.9

488774 2004 TU_{220} 4 6.5 197.°67 0.°5/ 7.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 25.73	−11 10.9	2.645	3.442	11.2	23.0
3 12	13 20.80	−10 40.5	2.549	3.438	8.6	22.8
3 22	13 14.27	− 9 58.7	2.478	3.433	5.5	22.6
4 1	13 6.65	− 9 8.1	2.435	3.428	2.2	22.4
4 11	12 58.60	− 8 12.4	2.423	3.422	1.5	22.3
4 21	12 50.84	− 7 16.4	2.440	3.415	4.8	22.5
5 1	12 44.03	− 6 24.7	2.487	3.408	8.0	22.7
5 11	12 38.70	− 5 41.3	2.558	3.400	10.9	22.9

244333 2002 JV_{52} 4 6.5 306.°67 3.°9/ 9.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 24.70	−16 36.3	1.394	2.212	18.3	20.4
3 12	13 21.71	−16 48.5	1.294	2.187	14.8	20.1
3 22	13 15.76	−16 38.4	1.213	2.163	10.6	19.8
4 1	13 7.42	−16 4.8	1.154	2.139	6.1	19.4
4 11	12 57.85	−15 11.0	1.119	2.115	4.0	19.2
4 21	12 48.48	−14 3.8	1.109	2.092	7.9	19.4
5 1	12 40.77	−12 53.3	1.123	2.070	13.0	19.6
5 11	12 35.83	−11 50.0	1.156	2.047	17.8	19.8

437168 2012 VX_{49} 4 6.5 175.°40 4.°4/ 2.0 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 27.91	+ 6 58.3	2.368	3.203	11.1	21.6
3 12	13 22.47	+ 7 32.1	2.295	3.204	8.5	21.4
3 22	13 15.31	+ 8 5.0	2.248	3.205	5.9	21.3
4 1	13 7.00	+ 8 31.8	2.228	3.205	4.5	21.2
4 11	12 58.33	+ 8 48.1	2.237	3.206	5.5	21.2
4 21	12 50.08	+ 8 50.8	2.274	3.206	8.0	21.4
5 1	12 42.96	+ 8 38.3	2.337	3.206	10.7	21.5
5 11	12 37.50	+ 8 10.8	2.423	3.206	13.2	21.7

462553 2009 CE_{19} 4 6.5 99.°11 3.°2/ 9.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 31.57	−16 54.1	1.659	2.452	17.0	22.1
3 12	13 25.86	−16 52.0	1.596	2.475	13.4	22.0
3 22	13 17.68	−16 29.8	1.554	2.498	9.3	21.8
4 1	13 7.88	−15 49.0	1.536	2.520	5.1	21.6
4 11	12 57.65	−14 54.4	1.546	2.542	3.3	21.5
4 21	12 48.18	−13 53.1	1.584	2.563	6.4	21.7
5 1	12 40.48	−12 52.9	1.648	2.584	10.4	22.0
5 11	12 35.21	−12 0.8	1.734	2.603	13.9	22.3

185053 2006 RU_{17} 4 6.5 159°.00 6°.1/13.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 29.25	−29 43.5	2.914	3.600	12.7	20.7
3 12	13 23.54	−30 25.8	2.819	3.606	10.9	20.5
3 22	13 16.06	−30 51.3	2.746	3.611	9.0	20.4
4 1	13 7.32	−30 58.2	2.698	3.616	7.2	20.3
4 11	12 58.05	−30 46.4	2.677	3.621	6.2	20.2
4 21	12 49.05	−30 18.2	2.684	3.625	6.5	20.2
5 1	12 41.06	−29 37.6	2.719	3.628	7.9	20.3
5 11	12 34.68	−28 50.2	2.779	3.632	9.8	20.5

410413 2007 YQ_{51} 4 6.5 196°.70 1°.9/ 4.7 16

3 2	13 28.86	− 3 49.3	1.995	2.822	13.2	22.4
3 12	13 23.59	− 3 7.6	1.910	2.819	9.9	22.2
3 22	13 16.23	− 2 16.8	1.850	2.816	6.2	22.0
4 1	13 7.40	− 1 21.7	1.817	2.812	2.5	21.7
4 11	12 58.02	− 0 28.4	1.813	2.807	3.3	21.8
4 21	12 49.04	+ 0 17.3	1.838	2.801	7.2	22.0
5 1	12 41.38	+ 0 50.4	1.889	2.795	11.0	22.2
5 11	12 35.68	+ 1 8.2	1.963	2.788	14.3	22.4

313653 2003 SL_{164} 4 6.5 178°.65 1°.2/ 7.6 16

3 2	13 29.98	−11 36.8	1.917	2.722	14.5	21.5
3 12	13 24.57	−11 29.2	1.832	2.724	11.2	21.3
3 22	13 16.91	−11 7.7	1.770	2.725	7.4	21.1
4 1	13 7.66	−10 34.2	1.734	2.726	3.2	20.8
4 11	12 57.81	− 9 53.1	1.726	2.726	2.0	20.7
4 21	12 48.40	− 9 9.7	1.747	2.725	6.1	21.0
5 1	12 40.41	− 8 30.1	1.795	2.724	10.1	21.2
5 11	12 34.53	− 7 59.3	1.867	2.722	13.7	21.4

88031 2000 UP_{87} 4 6.5 329°.28 5°.7/31.5 18

3 2	13 24.21	+ 8 55.2	2.137	2.984	11.7	18.0
3 12	13 19.93	+ 9 49.6	2.066	2.978	9.1	17.9
3 22	13 13.84	+10 42.4	2.019	2.973	6.7	17.7
4 1	13 6.51	+11 27.1	1.998	2.968	5.7	17.6
4 11	12 58.77	+11 57.9	2.005	2.963	6.9	17.7
4 21	12 51.42	+12 11.0	2.039	2.959	9.4	17.8
5 1	12 45.24	+12 4.6	2.096	2.955	12.2	18.0
5 11	12 40.79	+11 38.9	2.174	2.951	14.6	18.2

386607 2009 HQ_{29} 4 6.5 340°.40 4°.1/ 1.9 17

3 2	13 21.64	+ 2 8.0	2.025	2.875	12.1	20.8
3 12	13 18.10	+ 3 16.6	1.951	2.871	9.1	20.6
3 22	13 12.73	+ 4 29.9	1.901	2.867	6.0	20.4
4 1	13 6.13	+ 5 41.5	1.878	2.864	4.1	20.2
4 11	12 59.08	+ 6 44.2	1.883	2.860	5.5	20.3
4 21	12 52.42	+ 7 32.3	1.915	2.857	8.5	20.5
5 1	12 46.91	+ 8 2.1	1.971	2.855	11.7	20.7
5 11	12 43.12	+ 8 12.0	2.048	2.853	14.5	20.9

18840 Yoshioba 4 6.5 75°.55 1°.7/ 7.9 18

3 2	13 26.72	−13 16.8	1.561	2.380	16.7	17.3
3 12	13 22.55	−13 2.3	1.483	2.381	13.0	17.1
3 22	13 15.84	−12 29.0	1.425	2.382	8.6	16.8
4 1	13 7.31	−11 39.2	1.392	2.383	4.0	16.6
4 11	12 58.11	−10 38.7	1.385	2.384	2.3	16.5
4 21	12 49.44	− 9 35.1	1.404	2.385	6.9	16.7
5 1	12 42.40	− 8 36.6	1.449	2.386	11.4	17.0
5 11	12 37.78	− 7 50.0	1.515	2.387	15.4	17.2

219697 2001 XP_{20} 4 6.5 119°.31 5°.5/31.9 18

3 2	13 30.13	+ 9 19.3	2.237	3.070	11.8	20.5
3 12	13 24.06	+10 15.3	2.185	3.090	9.1	20.4
3 22	13 16.23	+11 8.2	2.160	3.110	6.6	20.2
4 1	13 7.32	+11 51.9	2.162	3.129	5.5	20.2
4 11	12 58.18	+12 21.3	2.193	3.147	6.6	20.3
4 21	12 49.64	+12 33.2	2.251	3.165	9.0	20.5
5 1	12 42.40	+12 26.7	2.335	3.182	11.5	20.7
5 11	12 36.96	+12 2.8	2.440	3.199	13.7	20.8

302825 2003 DX_{16} 4 6.5 32°.07 1°.2/ 5.3 17

3 2	13 23.32	− 5 23.6	1.975	2.809	13.0	20.5
3 12	13 19.36	− 4 51.0	1.904	2.816	9.8	20.3
3 22	13 13.51	− 4 9.2	1.856	2.823	6.0	20.1
4 1	13 6.41	− 3 22.3	1.834	2.830	2.2	19.8
4 11	12 58.90	− 2 36.0	1.841	2.837	2.7	19.9
4 21	12 51.84	− 1 55.7	1.875	2.845	6.5	20.1
5 1	12 46.02	− 1 25.8	1.935	2.853	10.1	20.4
5 11	12 42.01	− 1 9.3	2.018	2.862	13.2	20.6

461453 2002 NH_{79} 4 6.5 296°.62 5°.7/ 1.8 17

3 2	13 26.54	+ 4 3.0	1.493	2.350	15.2	20.6
3 12	13 22.51	+ 5 8.2	1.417	2.340	11.6	20.3
3 22	13 15.87	+ 6 18.0	1.364	2.330	7.9	20.1
4 1	13 7.36	+ 7 23.5	1.336	2.319	5.8	19.9
4 11	12 58.11	+ 8 15.4	1.333	2.309	7.4	20.0
4 21	12 49.36	+ 8 46.4	1.356	2.300	11.2	20.2
5 1	12 42.25	+ 8 52.5	1.400	2.290	15.2	20.4
5 11	12 37.59	+ 8 33.5	1.464	2.281	18.7	20.6

208140 2000 EJ_{34} 4 6.5 319°.97 1°.3/ 5.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 24.69	− 4 52.6	2.013	2.845	12.9	19.9
3 12	13 20.43	− 4 21.2	1.933	2.844	9.7	19.7
3 22	13 14.23	− 3 40.8	1.876	2.842	6.0	19.5
4 1	13 6.69	− 2 55.5	1.845	2.841	2.2	19.3
4 11	12 58.67	− 2 10.8	1.843	2.839	2.8	19.3
4 21	12 51.05	− 1 31.9	1.869	2.838	6.6	19.5
5 1	12 44.64	− 1 3.6	1.921	2.836	10.3	19.7
5 11	12 40.06	− 0 48.7	1.995	2.835	13.5	19.9

301285 2009 BZ_{107} 4 6.5 288°.22 4°.6/ 1.0 17

3 2	13 21.93	+ 3 57.2	2.156	3.004	11.6	20.8
3 12	13 18.26	+ 5 15.4	2.076	2.994	8.7	20.6
3 22	13 12.83	+ 6 37.5	2.022	2.985	6.0	20.4
4 1	13 6.19	+ 7 56.8	1.996	2.975	4.6	20.3
4 11	12 59.08	+ 9 6.0	1.997	2.966	6.0	20.3
4 21	12 52.31	+ 9 59.4	2.026	2.957	8.9	20.5
5 1	12 46.61	+10 33.4	2.079	2.948	11.8	20.7
5 11	12 42.56	+10 46.6	2.153	2.938	14.5	20.8

490070 2008 TM_{116} 4 6.5 260°.92 1°.7/ 7.7 17

3 2	13 31.73	−11 55.5	1.628	2.440	16.4	21.9
3 12	13 26.68	−11 58.3	1.522	2.417	12.9	21.6
3 22	13 18.74	−11 45.0	1.437	2.393	8.7	21.3
4 1	13 8.51	−11 16.6	1.377	2.369	3.9	20.9
4 11	12 57.09	−10 36.6	1.344	2.344	2.5	20.8
4 21	12 45.82	− 9 51.2	1.339	2.318	7.4	21.0
5 1	12 36.06	− 9 7.8	1.359	2.291	12.4	21.2
5 11	12 28.86	− 8 33.7	1.400	2.264	16.9	21.4

286861 2002 NZ_{72} 4 6.5 320°.64 3°.9/ 9.7 17

3 2	13 24.96	−18 11.7	1.493	2.299	17.9	20.3
3 12	13 21.51	−18 11.9	1.408	2.293	14.4	20.1
3 22	13 15.35	−17 48.5	1.342	2.287	10.3	19.8
4 1	13 7.21	−17 1.6	1.299	2.282	6.1	19.5
4 11	12 58.24	−15 55.8	1.282	2.277	4.0	19.4
4 21	12 49.72	−14 38.6	1.290	2.272	7.1	19.6
5 1	12 42.89	−13 20.1	1.322	2.267	11.6	19.8
5 11	12 38.59	−12 9.9	1.377	2.263	15.7	20.0

64354 2001 UB_{84} 4 6.5 217°.54 5°.6/ 1.2 18

3 2	13 30.39	+ 8 57.6	2.186	3.019	12.0	18.8
3 12	13 24.58	+ 9 44.4	2.106	3.011	9.3	18.6
3 22	13 16.79	+10 29.5	2.051	3.003	6.8	18.5
4 1	13 7.62	+11 6.6	2.024	2.994	5.6	18.4
4 11	12 57.95	+11 30.0	2.025	2.985	6.7	18.4
4 21	12 48.69	+11 36.1	2.054	2.974	9.4	18.6
5 1	12 40.67	+11 23.1	2.108	2.964	12.2	18.7
5 11	12 34.52	+10 51.6	2.184	2.953	14.8	18.9

279191 2009 SS_{361} 4 6.5 158°.57 2°.7/ 3.6 18

3 2	13 25.25	− 1 7.6	2.178	3.012	12.0	20.9
3 12	13 20.64	− 0 15.1	2.103	3.017	8.9	20.7
3 22	13 14.26	+ 0 43.6	2.054	3.020	5.6	20.5
4 1	13 6.69	+ 1 43.3	2.032	3.024	2.9	20.3
4 11	12 58.72	+ 2 37.9	2.039	3.027	4.0	20.4
4 21	12 51.17	+ 3 22.5	2.075	3.030	7.2	20.6
5 1	12 44.78	+ 3 53.0	2.136	3.032	10.4	20.8
5 11	12 40.09	+ 4 7.6	2.221	3.034	13.2	21.0

308130 2004 XY_{139} 4 6.5 117°.80 3°.3/ 3.7 18

3 2	13 28.13	− 1 32.1	1.604	2.448	15.0	21.1
3 12	13 23.32	− 0 32.2	1.540	2.458	11.2	20.9
3 22	13 16.15	+ 0 36.2	1.500	2.468	7.0	20.7
4 1	13 7.40	+ 1 45.9	1.485	2.477	3.6	20.5
4 11	12 58.17	+ 2 48.4	1.497	2.486	4.9	20.6
4 21	12 49.59	+ 3 36.8	1.537	2.495	8.9	20.8
5 1	12 42.65	+ 4 6.4	1.600	2.503	12.8	21.1
5 11	12 37.98	+ 4 15.4	1.684	2.511	16.2	21.3

171214 2005 JL_{73} 4 6.5 95°.40 1°.4/ 8.2 17

3 2	13 22.76	−14 40.1	2.182	2.982	13.2	20.4
3 12	13 18.85	−14 3.4	2.100	2.988	10.2	20.2
3 22	13 13.17	−13 10.6	2.042	2.994	6.8	20.0
4 1	13 6.30	−12 4.6	2.010	2.999	3.2	19.8
4 11	12 59.04	−10 50.4	2.006	3.005	1.8	19.7
4 21	12 52.18	− 9 34.3	2.031	3.011	5.2	20.0
5 1	12 46.46	− 8 22.8	2.084	3.017	8.7	20.2
5 11	12 42.42	− 7 21.2	2.161	3.022	11.9	20.4

67957 2000 WX_{168} 4 6.5 86°.41 0°.6/ 7.1 18

3 2	13 28.85	−11 8.9	1.569	2.390	16.5	19.0
3 12	13 23.88	−10 40.7	1.508	2.410	12.5	18.7
3 22	13 16.48	− 9 55.8	1.469	2.430	8.0	18.5
4 1	13 7.51	− 8 58.5	1.455	2.449	3.1	18.3
4 11	12 58.11	− 7 55.4	1.468	2.468	2.1	18.2
4 21	12 49.45	− 6 54.2	1.509	2.487	6.8	18.6
5 1	12 42.53	− 6 2.0	1.575	2.505	11.1	18.9
5 11	12 37.96	− 5 24.1	1.662	2.524	14.8	19.1

29584 1998 FQ_{60} 4 6.5 94.°90 0.°1/ 6.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 24.71	− 9 11.2	2.375	3.187	11.9	18.8
3 12	13 20.06	− 8 46.4	2.304	3.202	9.0	18.6
3 22	13 13.80	− 8 11.4	2.258	3.218	5.7	18.5
4 1	13 6.51	− 7 29.4	2.239	3.233	2.1	18.2
4 11	12 58.90	− 6 44.6	2.249	3.249	1.6	18.2
4 21	12 51.72	− 6 1.5	2.289	3.264	5.1	18.5
5 1	12 45.63	− 5 24.4	2.356	3.279	8.4	18.7
5 11	12 41.12	− 4 56.7	2.447	3.293	11.2	18.9

207437 2006 DH_{209} 4 6.5 287.°33 2.°0/ 5.0 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 28.00	− 4 31.1	1.510	2.352	15.9	19.9
3 12	13 23.95	− 3 57.4	1.408	2.324	12.2	19.6
3 22	13 17.06	− 3 10.4	1.327	2.296	7.7	19.3
4 1	13 7.92	− 2 15.0	1.271	2.267	3.0	18.9
4 11	12 57.62	− 1 18.6	1.242	2.238	3.9	18.9
4 21	12 47.49	− 0 29.5	1.238	2.208	9.1	19.1
5 1	12 38.88	+ 0 4.7	1.258	2.179	14.2	19.3
5 11	12 32.83	+ 0 19.2	1.298	2.149	18.8	19.5

333491 2004 XF_{41} 4 6.5 218.°94 1.°6/ 8.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 25.72	−14 4.6	2.345	3.138	12.6	21.5
3 12	13 21.07	−13 47.1	2.247	3.130	9.9	21.3
3 22	13 14.61	−13 15.5	2.173	3.122	6.6	21.1
4 1	13 6.86	−12 31.6	2.125	3.114	3.2	20.8
4 11	12 58.58	−11 39.1	2.106	3.105	1.9	20.7
4 21	12 50.59	−10 42.7	2.117	3.095	5.1	20.9
5 1	12 43.66	− 9 48.2	2.155	3.085	8.6	21.1
5 11	12 38.40	− 9 0.7	2.218	3.075	11.8	21.3

167837 2005 CJ_{50} 4 6.5 111.°66 1.°9/ 8.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 29.53	−13 8.6	1.642	2.453	16.3	19.9
3 12	13 24.48	−13 3.2	1.570	2.464	12.7	19.7
3 22	13 16.95	−12 40.8	1.519	2.474	8.4	19.5
4 1	13 7.72	−12 3.4	1.493	2.484	3.9	19.2
4 11	12 57.92	−11 16.0	1.495	2.493	2.4	19.1
4 21	12 48.73	−10 25.2	1.523	2.503	6.5	19.4
5 1	12 41.20	− 9 38.1	1.577	2.512	10.8	19.7
5 11	12 36.04	− 9 0.9	1.654	2.521	14.6	19.9

163360 2002 OD_{7} 4 6.5 173.°25 3.°9/11.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 25.17	−21 55.9	2.459	3.213	13.1	20.1
3 12	13 20.60	−21 53.9	2.366	3.215	10.8	19.9
3 22	13 14.27	−21 34.4	2.295	3.216	8.0	19.7
4 1	13 6.72	−20 57.6	2.251	3.218	5.4	19.5
4 11	12 58.71	−20 6.2	2.234	3.219	3.9	19.4
4 21	12 51.03	−19 4.5	2.245	3.219	5.3	19.5
5 1	12 44.44	−17 58.2	2.285	3.220	8.0	19.7
5 11	12 39.50	−16 53.7	2.350	3.220	10.7	19.9

332957 2011 EA_{10} 4 6.5 222.°81 2.°6/ 3.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 24.67	− 2 49.0	2.058	2.893	12.5	21.0
3 12	13 20.42	− 1 43.5	1.973	2.886	9.4	20.8
3 22	13 14.25	− 0 28.6	1.912	2.879	5.9	20.6
4 1	13 6.73	+ 0 50.0	1.879	2.872	2.8	20.4
4 11	12 58.71	+ 2 5.2	1.875	2.864	4.0	20.4
4 21	12 51.04	+ 3 10.3	1.899	2.856	7.6	20.6
5 1	12 44.55	+ 4 0.1	1.949	2.847	11.1	20.8
5 11	12 39.84	+ 4 31.7	2.021	2.838	14.2	21.0

38421 1999 RZ_{221} 4 6.5 293.°86 4.°3/10.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 27.48	−19 24.3	2.313	3.079	13.5	18.3
3 12	13 22.71	−19 59.4	2.199	3.056	11.1	18.1
3 22	13 15.84	−20 20.4	2.107	3.033	8.3	17.9
4 1	13 7.39	−20 26.2	2.041	3.011	5.6	17.7
4 11	12 58.12	−20 17.3	2.003	2.988	4.3	17.6
4 21	12 48.96	−19 56.3	1.993	2.965	6.0	17.6
5 1	12 40.83	−19 27.6	2.010	2.942	9.0	17.8
5 11	12 34.49	−18 56.9	2.051	2.919	12.1	17.9

281730 2008 XZ_{30} 4 6.5 267.°65 4.°7/11.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 25.16	−22 0.9	2.107	2.870	14.8	20.8
3 12	13 21.01	−22 10.5	2.006	2.860	12.2	20.6
3 22	13 14.76	−22 0.6	1.927	2.850	9.2	20.4
4 1	13 6.96	−21 30.6	1.872	2.840	6.2	20.2
4 11	12 58.50	−20 42.5	1.844	2.829	4.7	20.1
4 21	12 50.32	−19 40.9	1.844	2.818	6.2	20.2
5 1	12 43.36	−18 32.6	1.870	2.808	9.2	20.3
5 11	12 38.32	−17 25.2	1.921	2.797	12.4	20.5

206862 2004 FF_{63} 4 6.5 47.°62 1.°4/ 5.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 24.08	− 4 50.6	1.975	2.809	13.1	20.4
3 12	13 19.91	− 4 16.5	1.906	2.818	9.7	20.2
3 22	13 13.86	− 3 33.6	1.861	2.828	6.0	20.0
4 1	13 6.57	− 2 46.5	1.842	2.837	2.2	19.7
4 11	12 58.89	− 2 0.6	1.852	2.847	2.8	19.8
4 21	12 51.68	− 1 21.2	1.889	2.858	6.6	20.1
5 1	12 45.74	− 0 52.9	1.952	2.868	10.2	20.3
5 11	12 41.61	− 0 38.2	2.037	2.879	13.3	20.5

230917 2004 TR_{276} 4 6.5 108.°13 0.°0/ 6.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 25.95	− 9 9.9	2.117	2.932	13.0	21.4
3 12	13 21.18	− 8 34.8	2.047	2.948	9.8	21.2
3 22	13 14.59	− 7 48.0	2.002	2.963	6.2	21.0
4 1	13 6.82	− 6 53.2	1.983	2.978	2.2	20.8
4 11	12 58.70	− 5 55.8	1.993	2.992	1.8	20.8
4 21	12 51.08	− 5 1.3	2.033	3.007	5.7	21.1
5 1	12 44.69	− 4 15.0	2.099	3.020	9.3	21.3
5 11	12 40.08	− 3 40.4	2.189	3.034	12.3	21.5

75013 1999 UJ_{4} 4 6.5 153.°87 1.°0/ 5.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 27.09	− 7 42.1	2.037	2.856	13.3	20.6
3 12	13 22.15	− 6 43.5	1.961	2.865	10.0	20.4
3 22	13 15.26	− 5 32.4	1.909	2.873	6.2	20.2
4 1	13 7.08	− 4 13.8	1.886	2.881	2.2	19.9
4 11	12 58.49	− 2 54.4	1.891	2.888	2.6	20.0
4 21	12 50.39	− 1 41.2	1.926	2.894	6.5	20.2
5 1	12 43.57	− 0 40.0	1.987	2.899	10.2	20.5
5 11	12 38.61	+ 0 5.3	2.072	2.904	13.4	20.7

215892 2005 GG_{30} 4 6.5 302.°17 3.°3/ 4.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 26.63	− 1 13.6	1.461	2.314	15.8	20.7
3 12	13 22.76	− 0 34.6	1.376	2.298	12.0	20.4
3 22	13 16.18	+ 0 13.7	1.312	2.282	7.6	20.1
4 1	13 7.56	+ 1 4.8	1.273	2.267	3.7	19.9
4 11	12 58.05	+ 1 50.7	1.260	2.251	5.0	19.9
4 21	12 48.94	+ 2 23.8	1.272	2.236	9.6	20.1
5 1	12 41.46	+ 2 38.4	1.307	2.221	14.3	20.3
5 11	12 36.51	+ 2 32.0	1.361	2.207	18.3	20.5

124205 2001 OA_{94} 4 6.5 210.°30 1.°3/ 7.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 30.41	−12 37.2	1.903	2.705	14.8	20.9
3 12	13 25.06	−12 19.9	1.808	2.698	11.5	20.6
3 22	13 17.35	−11 46.6	1.736	2.690	7.6	20.4
4 1	13 7.93	−10 59.4	1.689	2.681	3.4	20.1
4 11	12 57.78	−10 2.9	1.672	2.671	2.0	20.0
4 21	12 47.99	− 9 3.3	1.683	2.661	6.3	20.2
5 1	12 39.59	− 8 7.6	1.721	2.649	10.5	20.5
5 11	12 33.34	− 7 21.8	1.782	2.637	14.3	20.7

416158 2002 RU_{175} 4 6.5 208.°05 3.°0/ 9.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 27.92	−17 9.9	1.986	2.772	14.8	21.9
3 12	13 23.10	−17 4.9	1.892	2.767	11.8	21.7
3 22	13 16.07	−16 41.8	1.820	2.762	8.3	21.5
4 1	13 7.45	−16 1.6	1.774	2.757	4.7	21.3
4 11	12 58.18	−15 7.6	1.756	2.751	3.1	21.1
4 21	12 49.27	−14 5.5	1.765	2.744	5.9	21.3
5 1	12 41.68	−13 2.4	1.802	2.737	9.7	21.5
5 11	12 36.12	−12 5.2	1.863	2.730	13.2	21.7

346754 2009 BW_{34} 4 6.5 83.°44 1.°8/ 4.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 24.87	− 3 14.9	2.130	2.963	12.3	21.2
3 12	13 20.39	− 2 39.5	2.059	2.971	9.2	21.0
3 22	13 14.12	− 1 56.9	2.012	2.979	5.7	20.8
4 1	13 6.68	− 1 11.8	1.993	2.987	2.3	20.6
4 11	12 58.86	− 0 29.2	2.002	2.995	3.1	20.7
4 21	12 51.48	+ 0 6.0	2.039	3.003	6.6	20.9
5 1	12 45.29	+ 0 30.0	2.102	3.011	9.9	21.2
5 11	12 40.81	+ 0 40.6	2.189	3.020	12.8	21.4

270338 2001 XZ_{194} 4 6.5 128.°52 2.°3/ 9.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 27.90	−16 52.5	2.415	3.189	12.8	21.9
3 12	13 22.49	−16 35.6	2.338	3.208	10.1	21.7
3 22	13 15.35	−16 3.6	2.285	3.226	7.0	21.6
4 1	13 7.10	−15 18.3	2.260	3.243	3.8	21.4
4 11	12 58.52	−14 23.4	2.264	3.259	2.4	21.3
4 21	12 50.40	−13 23.7	2.297	3.275	4.9	21.5
5 1	12 43.45	−12 24.8	2.359	3.290	8.0	21.7
5 11	12 38.18	−11 31.9	2.447	3.304	10.8	21.9

224921 2007 DT_{32} 4 6.5 208.°63 1.°4/ 5.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 25.53	− 5 39.1	1.905	2.737	13.6	20.6
3 12	13 21.20	− 4 57.0	1.824	2.735	10.2	20.3
3 22	13 14.80	− 4 3.9	1.766	2.733	6.3	20.1
4 1	13 6.97	− 3 4.7	1.735	2.731	2.3	19.8
4 11	12 58.61	− 2 5.5	1.732	2.728	2.9	19.9
4 21	12 50.67	− 1 12.8	1.757	2.726	7.0	20.1
5 1	12 44.03	− 0 32.0	1.808	2.723	10.9	20.3
5 11	12 39.33	− 0 6.6	1.881	2.721	14.3	20.6

184467 2005 NZ_{86} 4 6.5 156.°00 0.°8/ 5.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 26.94	− 7 13.8	1.898	2.723	13.9	20.6
3 12	13 22.23	− 6 38.0	1.820	2.727	10.5	20.3
3 22	13 15.42	− 5 50.4	1.766	2.730	6.5	20.1
4 1	13 7.18	− 4 55.3	1.738	2.734	2.3	19.8
4 11	12 58.45	− 3 58.7	1.739	2.737	2.4	19.9
4 21	12 50.19	− 3 6.8	1.768	2.740	6.7	20.1
5 1	12 43.28	− 2 25.1	1.823	2.742	10.6	20.4
5 11	12 38.36	− 1 57.5	1.901	2.744	14.0	20.6

455630 2004 VO_{63} 4 6.5 127°.50 3°.5/ 3.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 31.44	+ 0 25.3	1.826	2.661	13.9	22.3
3 12	13 25.48	+ 1 15.7	1.766	2.678	10.4	22.1
3 22	13 17.36	+ 2 11.1	1.729	2.694	6.6	21.9
4 1	13 7.84	+ 3 5.2	1.720	2.710	3.7	21.8
4 11	12 57.96	+ 3 51.2	1.740	2.725	4.8	21.9
4 21	12 48.75	+ 4 23.9	1.787	2.739	8.3	22.1
5 1	12 41.10	+ 4 39.9	1.860	2.753	11.9	22.4
5 11	12 35.58	+ 4 38.3	1.955	2.765	14.9	22.6

36389 2000 OT_{33} 4 6.5 209°.80 2°.2/ 4.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 27.04	− 4 51.8	1.712	2.548	14.6	19.7
3 12	13 22.59	− 3 49.0	1.630	2.544	11.0	19.5
3 22	13 15.80	− 2 33.2	1.572	2.539	6.8	19.2
4 1	13 7.36	− 1 10.8	1.539	2.534	2.8	18.9
4 11	12 58.29	+ 0 10.0	1.535	2.528	3.9	19.0
4 21	12 49.68	+ 1 20.9	1.558	2.522	8.2	19.2
5 1	12 42.53	+ 2 15.3	1.606	2.515	12.4	19.5
5 11	12 37.56	+ 2 49.3	1.676	2.508	16.0	19.7

12172 Niekdekort 4 6.5 321°.09 0°.3/ 6.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 29.68	− 7 38.8	1.443	2.278	16.9	17.1
3 12	13 25.10	− 7 47.4	1.362	2.272	13.0	16.8
3 22	13 17.66	− 7 43.8	1.301	2.266	8.4	16.5
4 1	13 8.11	− 7 30.6	1.265	2.260	3.1	16.2
4 11	12 57.68	− 7 12.3	1.255	2.255	2.4	16.1
4 21	12 47.73	− 6 54.7	1.271	2.250	7.7	16.4
5 1	12 39.56	− 6 43.5	1.311	2.245	12.6	16.7
5 11	12 34.05	− 6 43.3	1.371	2.240	16.9	16.9

457302 2008 RL_{143} 4 6.5 105°.04 0°.4/ 6.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 31.72	− 8 47.4	1.406	2.236	17.6	21.6
3 12	13 26.52	− 8 44.9	1.336	2.244	13.4	21.4
3 22	13 18.44	− 8 27.9	1.288	2.251	8.6	21.1
4 1	13 8.34	− 7 59.5	1.264	2.258	3.3	20.8
4 11	12 57.55	− 7 25.3	1.266	2.265	2.3	20.7
4 21	12 47.46	− 6 52.1	1.294	2.272	7.7	21.1
5 1	12 39.32	− 6 26.5	1.347	2.279	12.5	21.4
5 11	12 33.91	− 6 13.4	1.420	2.286	16.6	21.6

330115 2005 XK_{63} 4 6.5 27°.13 2°.0/ 8.1 15

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 24.71	−13 15.8	1.478	2.304	17.1	21.0
3 12	13 21.09	−13 10.9	1.410	2.312	13.3	20.7
3 22	13 14.94	−12 47.4	1.363	2.321	8.9	20.5
4 1	13 7.05	−12 7.7	1.340	2.330	4.2	20.2
4 11	12 58.59	−11 17.4	1.342	2.341	2.5	20.2
4 21	12 50.74	−10 23.8	1.369	2.352	6.8	20.4
5 1	12 44.59	− 9 34.8	1.421	2.363	11.2	20.7
5 11	12 40.82	− 8 56.7	1.495	2.375	15.1	21.0

292642 2006 UT_{36} 4 6.5 346°.55 1°.8/ 5.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 27.82	− 3 12.5	1.329	2.182	17.1	20.0
3 12	13 23.80	− 3 9.0	1.254	2.175	12.9	19.7
3 22	13 16.88	− 2 56.8	1.200	2.170	8.1	19.4
4 1	13 7.83	− 2 40.4	1.169	2.165	3.1	19.1
4 11	12 57.93	− 2 25.9	1.164	2.161	3.6	19.1
4 21	12 48.60	− 2 19.1	1.183	2.158	8.8	19.4
5 1	12 41.12	− 2 24.7	1.225	2.155	13.7	19.7
5 11	12 36.38	− 2 45.5	1.287	2.154	17.9	19.9

129592 1997 UP_{24} 4 6.5 244°.88 0°.6/ 7.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 27.58	−11 14.4	1.652	2.472	15.8	20.4
3 12	13 23.25	−10 44.2	1.559	2.461	12.2	20.2
3 22	13 16.39	− 9 56.0	1.488	2.448	8.0	19.9
4 1	13 7.64	− 8 52.9	1.442	2.436	3.1	19.5
4 11	12 58.06	− 7 41.2	1.423	2.422	2.1	19.4
4 21	12 48.85	− 6 28.8	1.431	2.409	7.2	19.7
5 1	12 41.13	− 5 24.2	1.464	2.395	11.9	19.9
5 11	12 35.76	− 4 34.1	1.520	2.380	16.0	20.2

384731 2011 KZ_{9} 4 6.5 241°.36 6°.8/29.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 27.41	+13 34.7	2.309	3.145	11.4	21.2
3 12	13 22.31	+14 37.5	2.234	3.133	9.1	21.0
3 22	13 15.37	+15 35.8	2.183	3.121	7.4	20.9
4 1	13 7.17	+16 23.0	2.159	3.109	6.9	20.8
4 11	12 58.50	+16 53.2	2.163	3.097	8.1	20.9
4 21	12 50.20	+17 2.7	2.193	3.084	10.3	21.0
5 1	12 43.04	+16 50.5	2.247	3.071	12.7	21.1
5 11	12 37.61	+16 17.5	2.320	3.057	14.9	21.3

98610 2000 WP_{76} 4 6.5 300°.23 1°.9/ 5.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 29.30	− 3 21.1	1.415	2.262	16.6	19.3
3 12	13 24.90	− 3 8.3	1.331	2.249	12.6	19.0
3 22	13 17.60	− 2 46.0	1.268	2.236	8.0	18.7
4 1	13 8.13	− 2 18.9	1.229	2.224	3.1	18.4
4 11	12 57.69	− 1 53.4	1.216	2.212	3.7	18.4
4 21	12 47.69	− 1 35.9	1.228	2.200	8.9	18.7
5 1	12 39.45	− 1 31.9	1.264	2.188	13.8	18.9
5 11	12 33.89	− 1 44.3	1.319	2.177	18.1	19.1

141138 2001 XC_{94} 4 6.5 90°.06 4°.9/12.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 25.11	−26 6.1	2.514	3.242	13.5	20.2
3 12	13 20.46	−26 5.1	2.438	3.263	11.3	20.1
3 22	13 14.12	−25 44.8	2.383	3.284	8.7	20.0
4 1	13 6.69	−25 5.4	2.354	3.305	6.3	19.8
4 11	12 58.93	−24 9.4	2.352	3.325	4.9	19.8
4 21	12 51.63	−23 1.3	2.378	3.345	5.6	19.9
5 1	12 45.47	−21 47.2	2.432	3.365	7.7	20.0
5 11	12 40.96	−20 33.4	2.512	3.384	10.0	20.2

312950 1995 WP_{11} 4 6.6 116°.68 3°.3/ 3.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 28.33	− 0 41.6	1.730	2.571	14.3	21.2
3 12	13 23.34	+ 0 10.9	1.666	2.582	10.7	21.0
3 22	13 16.13	+ 1 10.2	1.626	2.593	6.7	20.8
4 1	13 7.45	+ 2 9.5	1.612	2.603	3.5	20.7
4 11	12 58.34	+ 3 1.8	1.625	2.613	4.7	20.7
4 21	12 49.84	+ 3 41.0	1.666	2.623	8.5	21.0
5 1	12 42.86	+ 4 2.9	1.732	2.632	12.2	21.2
5 11	12 38.04	+ 4 6.3	1.819	2.641	15.4	21.5

520138 2014 BD_{68} 4 6.6 306°.04 3°.5/10.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 25.25	−18 28.0	2.221	2.999	13.7	21.4
3 12	13 20.87	−18 38.2	2.130	2.998	11.0	21.2
3 22	13 14.57	−18 32.5	2.061	2.996	8.0	21.0
4 1	13 6.92	−18 11.1	2.018	2.995	4.9	20.8
4 11	12 58.72	−17 36.5	2.002	2.993	3.5	20.7
4 21	12 50.85	−16 52.8	2.014	2.992	5.5	20.8
5 1	12 44.13	−16 5.6	2.054	2.990	8.6	21.0
5 11	12 39.19	−15 20.7	2.118	2.989	11.6	21.2

521181 2015 FF_{411} 4 6.6 209°.67 3°.7/ 2.0 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 22.78	+ 1 47.2	2.309	3.150	11.2	21.6
3 12	13 18.78	+ 3 0.0	2.232	3.148	8.3	21.4
3 22	13 13.13	+ 4 17.6	2.180	3.145	5.5	21.2
4 1	13 6.36	+ 5 34.0	2.157	3.142	3.7	21.1
4 11	12 59.20	+ 6 42.6	2.163	3.139	5.0	21.2
4 21	12 52.38	+ 7 38.3	2.196	3.136	7.8	21.3
5 1	12 46.59	+ 8 17.1	2.255	3.132	10.7	21.5
5 11	12 42.35	+ 8 37.6	2.336	3.128	13.3	21.7

499253 2009 VT_{3} 4 6.6 161°.50 3°.0/ 9.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 25.88	−18 51.6	2.170	2.946	14.0	22.1
3 12	13 21.32	−18 34.6	2.083	2.950	11.2	21.9
3 22	13 14.82	−17 59.2	2.017	2.954	8.0	21.7
4 1	13 6.99	−17 6.7	1.978	2.958	4.7	21.5
4 11	12 58.69	−16 1.0	1.967	2.961	3.1	21.4
4 21	12 50.79	−14 47.9	1.985	2.964	5.4	21.6
5 1	12 44.12	−13 34.1	2.030	2.966	8.7	21.8
5 11	12 39.27	−12 26.3	2.100	2.968	11.9	22.0

277610 2006 AZ_{81} 4 6.6 152°.31 2°.5/ 8.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 27.48	−15 5.1	1.982	2.777	14.5	21.1
3 12	13 22.70	−15 8.8	1.897	2.780	11.4	20.9
3 22	13 15.78	−14 56.9	1.835	2.782	7.9	20.7
4 1	13 7.37	−14 30.5	1.798	2.784	4.2	20.5
4 11	12 58.39	−13 53.0	1.789	2.786	2.7	20.4
4 21	12 49.82	−13 9.4	1.808	2.788	5.8	20.6
5 1	12 42.58	−12 25.7	1.854	2.789	9.5	20.8
5 11	12 37.33	−11 47.6	1.924	2.791	12.8	21.0

170345 2003 SB_{160} 4 6.6 98°.43 1°.1/ 7.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 29.58	−12 2.6	1.685	2.498	15.9	20.5
3 12	13 24.34	−11 39.6	1.621	2.518	12.2	20.3
3 22	13 16.77	−11 0.3	1.580	2.537	7.9	20.1
4 1	13 7.69	−10 8.1	1.564	2.556	3.3	19.8
4 11	12 58.19	− 9 8.9	1.575	2.575	2.0	19.8
4 21	12 49.38	− 8 9.9	1.615	2.593	6.4	20.1
5 1	12 42.22	− 7 17.9	1.680	2.611	10.6	20.4
5 11	12 37.32	− 6 38.2	1.768	2.628	14.1	20.6

473098 2015 HW_{165} 4 6.6 5°.04 0°.3/ 6.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 22.21	−10 50.3	2.093	2.911	13.0	21.1
3 12	13 18.56	−10 10.4	2.010	2.911	9.9	20.9
3 22	13 13.08	− 9 16.4	1.950	2.911	6.4	20.7
4 1	13 6.37	− 8 12.0	1.917	2.911	2.4	20.4
4 11	12 59.21	− 7 2.7	1.912	2.911	1.7	20.3
4 21	12 52.42	− 5 54.8	1.935	2.912	5.7	20.6
5 1	12 46.78	− 4 54.3	1.985	2.913	9.4	20.8
5 11	12 42.85	− 4 6.0	2.059	2.914	12.6	21.0

195392 2002 GJ_{11} 4 6.6 318°.08 3°.0/ 3.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 24.95	− 1 7.4	1.767	2.613	13.8	19.8
3 12	13 20.94	− 0 23.3	1.688	2.607	10.4	19.6
3 22	13 14.74	+ 0 28.4	1.633	2.601	6.5	19.3
4 1	13 7.01	+ 1 21.7	1.603	2.595	3.3	19.1
4 11	12 58.69	+ 2 9.8	1.600	2.590	4.5	19.2
4 21	12 50.81	+ 2 46.6	1.624	2.584	8.3	19.4
5 1	12 44.29	+ 3 7.4	1.672	2.579	12.1	19.6
5 11	12 39.82	+ 3 10.1	1.742	2.574	15.5	19.8

4560 Klyuchevskij 4 6.6 206°.97 4°.2/11.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 24.95	−21 47.6	2.400	3.156	13.4	17.4
3 12	13 20.56	−21 54.4	2.305	3.154	11.0	17.2
3 22	13 14.34	−21 44.1	2.231	3.152	8.2	17.0
4 1	13 6.84	−21 16.4	2.184	3.150	5.6	16.8
4 11	12 58.83	−20 33.6	2.164	3.148	4.2	16.7
4 21	12 51.12	−19 39.7	2.172	3.145	5.5	16.8
5 1	12 44.50	−18 40.3	2.207	3.142	8.2	17.0
5 11	12 39.56	−17 41.6	2.268	3.139	11.0	17.1

412249 2013 HF_{33} 4 6.6 124°.04 3°.7/ 9.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 28.25	−18 20.6	1.605	2.400	17.3	21.5
3 12	13 23.72	−18 14.8	1.528	2.407	13.9	21.3
3 22	13 16.61	−17 46.5	1.472	2.414	9.8	21.1
4 1	13 7.71	−16 56.5	1.439	2.421	5.7	20.9
4 11	12 58.16	−15 49.7	1.433	2.428	3.7	20.8
4 21	12 49.20	−14 33.6	1.453	2.434	6.7	20.9
5 1	12 41.93	−13 17.4	1.499	2.440	10.8	21.2
5 11	12 37.10	−12 9.8	1.568	2.445	14.7	21.4

437725 2014 DH_{120} 4 6.6 41°.88 1°.0/ 7.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 23.10	−12 35.4	1.800	2.618	14.8	20.6
3 12	13 19.33	−12 3.0	1.739	2.639	11.3	20.4
3 22	13 13.57	−11 14.6	1.701	2.660	7.3	20.2
4 1	13 6.53	−10 14.1	1.689	2.681	3.1	20.0
4 11	12 59.15	− 9 7.5	1.703	2.703	1.8	19.9
4 21	12 52.36	− 8 1.9	1.746	2.726	5.9	20.3
5 1	12 46.96	− 7 3.6	1.814	2.748	9.7	20.5
5 11	12 43.48	− 6 17.7	1.905	2.771	13.0	20.8

519034 2010 KG_{5} 4 6.6 277°.56 3°.7/ 2.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 24.97	+ 4 3.4	2.375	3.213	11.0	20.9
3 12	13 20.41	+ 4 41.0	2.292	3.205	8.3	20.7
3 22	13 14.16	+ 5 20.2	2.234	3.196	5.6	20.5
4 1	13 6.76	+ 5 56.2	2.204	3.188	3.8	20.4
4 11	12 58.92	+ 6 24.2	2.203	3.180	4.8	20.4
4 21	12 51.41	+ 6 40.4	2.229	3.171	7.5	20.6
5 1	12 44.93	+ 6 42.2	2.282	3.163	10.4	20.8
5 11	12 40.02	+ 6 29.0	2.357	3.155	13.0	20.9

344298 2001 UX_{65} 4 6.6 92°.78 4°.2/12.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 23.82	−24 20.5	2.479	3.222	13.3	20.7
3 12	13 19.51	−24 3.2	2.400	3.239	11.0	20.5
3 22	13 13.54	−23 26.6	2.343	3.256	8.3	20.4
4 1	13 6.51	−22 31.5	2.311	3.273	5.7	20.2
4 11	12 59.16	−21 21.3	2.308	3.289	4.2	20.2
4 21	12 52.24	−20 1.2	2.333	3.306	5.2	20.3
5 1	12 46.44	−18 37.5	2.386	3.322	7.6	20.4
5 11	12 42.24	−17 16.8	2.465	3.338	10.2	20.6

500774 2013 CK_{186} 4 6.6 36°.90 2°.8/ 8.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 26.51	−15 29.4	1.306	2.129	19.0	20.7
3 12	13 22.88	−15 21.4	1.234	2.133	15.0	20.4
3 22	13 16.32	−14 49.6	1.182	2.137	10.3	20.2
4 1	13 7.66	−13 55.9	1.153	2.141	5.3	19.9
4 11	12 58.23	−12 46.5	1.148	2.146	3.1	19.8
4 21	12 49.47	−11 30.9	1.168	2.151	7.5	20.0
5 1	12 42.65	−10 19.4	1.212	2.156	12.4	20.3
5 11	12 38.59	− 9 21.0	1.276	2.162	16.8	20.6

26983 1997 VA 4 6.6 127°.76 1°.1/ 7.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 28.06	−13 1.5	2.296	3.089	12.8	19.8
3 12	13 22.67	−12 32.9	2.223	3.108	9.9	19.6
3 22	13 15.52	−11 50.8	2.174	3.126	6.5	19.5
4 1	13 7.23	−10 58.0	2.152	3.143	2.8	19.2
4 11	12 58.62	− 9 59.0	2.161	3.160	1.7	19.2
4 21	12 50.49	− 8 59.2	2.198	3.175	5.1	19.4
5 1	12 43.57	− 8 3.9	2.264	3.190	8.5	19.7
5 11	12 38.38	− 7 17.6	2.355	3.205	11.4	19.9

406382 2007 RY_{320} 4 6.6 132°.20 0°.8/ 5.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 30.57	− 6 41.0	1.918	2.737	14.0	22.7
3 12	13 24.84	− 6 8.5	1.849	2.752	10.5	22.5
3 22	13 17.01	− 5 25.4	1.804	2.767	6.5	22.3
4 1	13 7.80	− 4 35.9	1.786	2.781	2.3	22.0
4 11	12 58.19	− 3 45.8	1.797	2.795	2.4	22.1
4 21	12 49.16	− 3 0.9	1.837	2.807	6.6	22.4
5 1	12 41.58	− 2 26.1	1.903	2.819	10.4	22.6
5 11	12 36.06	− 2 4.6	1.993	2.830	13.7	22.8

214263 2005 GD_{16} 4 6.6 115°.14 1°.9/ 4.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 26.58	− 5 54.2	1.628	2.466	15.2	21.0
3 12	13 22.22	− 4 51.9	1.561	2.475	11.4	20.7
3 22	13 15.54	− 3 36.4	1.516	2.484	7.0	20.5
4 1	13 7.30	− 2 14.3	1.497	2.492	2.7	20.2
4 11	12 58.58	− 0 54.0	1.506	2.501	3.6	20.3
4 21	12 50.47	+ 0 16.1	1.542	2.509	8.0	20.6
5 1	12 43.91	+ 1 9.8	1.602	2.517	12.1	20.9
5 11	12 39.57	+ 1 43.3	1.685	2.524	15.6	21.1

392608 2011 SF_{253} 4 6.6 236°.42 1°.1/ 5.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 26.18	− 4 2.6	2.458	3.280	11.2	21.5
3 12	13 21.29	− 3 48.1	2.369	3.274	8.4	21.3
3 22	13 14.73	− 3 27.5	2.304	3.268	5.3	21.1
4 1	13 6.99	− 3 3.6	2.267	3.262	1.9	20.9
4 11	12 58.81	− 2 40.2	2.260	3.256	2.3	20.9
4 21	12 50.92	− 2 20.9	2.282	3.250	5.7	21.1
5 1	12 44.04	− 2 9.1	2.331	3.243	8.9	21.3
5 11	12 38.71	− 2 7.0	2.404	3.237	11.8	21.5

328997 2010 XQ_{18} 4 6.6 89°.80 3°.7/ 3.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 28.05	+ 0 9.6	1.782	2.623	13.9	20.6
3 12	13 22.94	+ 1 14.3	1.730	2.646	10.3	20.5
3 22	13 15.79	+ 2 24.3	1.702	2.668	6.5	20.3
4 1	13 7.34	+ 3 32.4	1.701	2.691	3.8	20.2
4 11	12 58.61	+ 4 31.3	1.729	2.712	5.0	20.3
4 21	12 50.56	+ 5 15.3	1.783	2.734	8.5	20.5
5 1	12 44.01	+ 5 40.9	1.862	2.755	11.9	20.8
5 11	12 39.52	+ 5 47.3	1.963	2.775	14.8	21.0

203374 2001 XK_{7} 4 6.6 90°.04 2°.0/ 8.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 28.92	−14 41.1	1.480	2.294	17.7	20.8
3 12	13 24.21	−14 18.7	1.416	2.310	13.7	20.6
3 22	13 16.88	−13 35.3	1.373	2.327	9.2	20.3
4 1	13 7.81	−12 33.8	1.354	2.344	4.3	20.1
4 11	12 58.23	−11 21.2	1.361	2.360	2.5	20.0
4 21	12 49.40	−10 6.1	1.395	2.376	6.8	20.3
5 1	12 42.41	− 8 57.5	1.454	2.392	11.3	20.6
5 11	12 37.92	− 8 2.3	1.535	2.407	15.2	20.9

381125 2007 DK_{106} 4 6.6 272°.63 2°.4/ 8.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 30.05	−13 27.4	2.004	2.800	14.3	20.6
3 12	13 24.92	−13 46.7	1.895	2.779	11.4	20.3
3 22	13 17.43	−13 53.1	1.808	2.756	7.8	20.0
4 1	13 8.11	−13 46.7	1.747	2.734	4.1	19.8
4 11	12 57.88	−13 29.6	1.714	2.711	2.7	19.6
4 21	12 47.78	−13 5.5	1.710	2.688	6.1	19.8
5 1	12 38.90	−12 39.6	1.732	2.665	10.2	20.0
5 11	12 32.08	−12 17.5	1.778	2.641	13.9	20.2

26355 Grueber 4 6.6 177°.25 5°.5/31.4 18 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 28.52	+ 8 39.3	2.319	3.154	11.3	17.7
3 12	13 23.05	+ 9 47.0	2.250	3.156	8.8	17.6
3 22	13 15.80	+10 53.5	2.207	3.158	6.5	17.4
4 1	13 7.37	+11 52.5	2.193	3.160	5.5	17.3
4 11	12 58.57	+12 37.9	2.206	3.160	6.7	17.4
4 21	12 50.18	+13 5.7	2.248	3.160	9.1	17.6
5 1	12 42.97	+13 14.1	2.314	3.159	11.7	17.7
5 11	12 37.46	+13 3.2	2.402	3.157	14.0	17.9

312181 2007 VG_{36} 4 6.6 154°.77 0°.0/ 6.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 30.29	− 8 25.6	1.730	2.551	15.2	21.4
3 12	13 25.01	− 8 10.2	1.653	2.556	11.6	21.1
3 22	13 17.33	− 7 42.1	1.599	2.561	7.4	20.9
4 1	13 8.00	− 7 4.7	1.570	2.565	2.7	20.6
4 11	12 58.06	− 6 23.2	1.569	2.569	2.1	20.6
4 21	12 48.67	− 5 43.7	1.596	2.572	6.8	20.9
5 1	12 40.82	− 5 11.9	1.649	2.575	11.1	21.1
5 11	12 35.25	− 4 52.3	1.724	2.577	14.7	21.4

389266 2009 FY_{71} 4 6.6 258°.15 0°.6/ 5.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 26.48	− 5 30.4	2.384	3.202	11.6	21.2
3 12	13 21.59	− 5 23.0	2.294	3.197	8.8	21.0
3 22	13 14.95	− 5 8.6	2.229	3.192	5.5	20.8
4 1	13 7.10	− 4 49.9	2.191	3.186	2.0	20.6
4 11	12 58.77	− 4 30.2	2.183	3.181	2.0	20.5
4 21	12 50.75	− 4 13.1	2.204	3.175	5.6	20.8
5 1	12 43.77	− 4 2.2	2.252	3.170	8.9	21.0
5 11	12 38.40	− 4 0.0	2.324	3.164	11.9	21.2

292251 2006 SP_{87} 4 6.6 160°.46 0°.2/ 6.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 23.83	− 8 1.7	2.837	3.646	10.2	22.2
3 12	13 19.27	− 7 31.5	2.754	3.651	7.7	22.1
3 22	13 13.33	− 6 53.0	2.696	3.656	4.8	21.9
4 1	13 6.47	− 6 8.9	2.666	3.661	1.7	21.7
4 11	12 59.30	− 5 23.0	2.667	3.665	1.5	21.7
4 21	12 52.42	− 4 39.2	2.697	3.669	4.7	21.9
5 1	12 46.42	− 4 1.1	2.756	3.672	7.5	22.1
5 11	12 41.74	− 3 31.8	2.840	3.675	10.1	22.2

247669 2002 XO_{110} 4 6.6 106°.00 3°.8/10.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 25.25	−20 57.7	2.341	3.103	13.5	20.5
3 12	13 20.73	−20 58.8	2.259	3.114	11.0	20.3
3 22	13 14.42	−20 42.7	2.198	3.124	8.1	20.2
4 1	13 6.90	−20 9.6	2.163	3.134	5.3	20.0
4 11	12 58.95	−19 22.5	2.156	3.143	3.8	19.9
4 21	12 51.41	−18 25.9	2.178	3.153	5.3	20.0
5 1	12 45.01	−17 25.7	2.226	3.162	8.1	20.2
5 11	12 40.31	−16 27.7	2.300	3.171	10.9	20.4

307984 2004 QV_{13} 4 6.6 191°.81 11°.0/18.9 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 36.01	−42 15.7	2.388	2.985	17.0	21.2
3 12	13 29.67	−43 18.3	2.288	2.983	15.6	21.0
3 22	13 20.53	−43 55.7	2.204	2.980	14.0	20.9
4 1	13 9.26	−44 2.2	2.140	2.976	12.5	20.8
4 11	12 57.00	−43 34.9	2.099	2.972	11.3	20.7
4 21	12 45.08	−42 35.3	2.082	2.966	11.0	20.6
5 1	12 34.77	−41 9.0	2.089	2.959	11.7	20.7
5 11	12 27.00	−39 25.5	2.119	2.951	13.1	20.7

358463 2007 GU_{68} 4 6.6 291°.03 0°.5/ 5.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 20.76	− 8 3.4	2.600	3.419	10.8	21.0
3 12	13 17.15	− 7 17.7	2.512	3.416	8.1	20.8
3 22	13 12.09	− 6 22.0	2.449	3.412	5.0	20.6
4 1	13 6.04	− 5 19.9	2.414	3.409	1.8	20.4
4 11	12 59.63	− 4 15.9	2.408	3.406	1.8	20.4
4 21	12 53.50	− 3 15.1	2.431	3.403	5.1	20.6
5 1	12 48.26	− 2 21.9	2.482	3.400	8.2	20.8
5 11	12 44.38	− 1 39.9	2.558	3.397	11.0	21.0

296260 2009 DM_{34} 4 6.6 82°.62 0°.6/ 5.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 25.76	− 6 18.6	2.239	3.060	12.2	20.8
3 12	13 21.01	− 5 59.4	2.168	3.072	9.1	20.6
3 22	13 14.53	− 5 31.9	2.120	3.084	5.7	20.4
4 1	13 6.93	− 4 59.4	2.101	3.096	2.0	20.2
4 11	12 58.96	− 4 26.0	2.110	3.108	2.0	20.2
4 21	12 51.44	− 3 56.2	2.147	3.120	5.6	20.5
5 1	12 45.06	− 3 33.6	2.212	3.131	9.0	20.7
5 11	12 40.36	− 3 21.1	2.301	3.143	11.9	20.9

415876 2001 SY_{302} 4 6.6 124°.22 2°.6/ 8.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 30.15	−15 14.5	2.012	2.800	14.5	22.0
3 12	13 24.61	−15 22.2	1.934	2.813	11.4	21.8
3 22	13 16.95	−15 14.7	1.880	2.825	7.9	21.6
4 1	13 7.84	−14 52.9	1.852	2.836	4.2	21.4
4 11	12 58.23	−14 20.0	1.851	2.848	2.8	21.3
4 21	12 49.13	−13 40.9	1.880	2.858	5.7	21.5
5 1	12 41.42	−13 1.3	1.936	2.869	9.3	21.7
5 11	12 35.74	−12 26.7	2.015	2.879	12.5	22.0

111251 2001 XX_{9} 4 6.6 192°.63 1°.0/ 5.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 28.01	− 5 20.8	2.315	3.132	12.0	20.4
3 12	13 22.76	− 4 51.9	2.227	3.130	9.0	20.2
3 22	13 15.70	− 4 14.7	2.164	3.128	5.6	20.0
4 1	13 7.38	− 3 32.6	2.130	3.125	2.0	19.8
4 11	12 58.59	− 2 50.4	2.125	3.121	2.4	19.8
4 21	12 50.14	− 2 12.5	2.149	3.117	6.0	20.0
5 1	12 42.81	− 1 43.3	2.201	3.112	9.4	20.2
5 11	12 37.16	− 1 25.6	2.276	3.106	12.4	20.4

506653 2006 SL_{116} 4 6.6 155°.95 0°.0/ 6.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 23.86	− 8 42.2	2.853	3.659	10.2	22.9
3 12	13 19.29	− 8 13.5	2.770	3.665	7.7	22.8
3 22	13 13.34	− 7 36.3	2.712	3.671	4.9	22.6
4 1	13 6.49	− 6 53.1	2.682	3.677	1.8	22.4
4 11	12 59.32	− 6 7.7	2.683	3.682	1.4	22.4
4 21	12 52.46	− 5 23.7	2.714	3.687	4.5	22.6
5 1	12 46.47	− 4 45.1	2.773	3.692	7.4	22.8
5 11	12 41.79	− 4 14.7	2.858	3.696	10.0	23.0

467421 2005 UE_{176} 4 6.6 169°.32 2°.7/ 4.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 29.28	− 0 14.7	2.030	2.862	12.8	21.8
3 12	13 23.88	+ 0 14.1	1.954	2.864	9.6	21.6
3 22	13 16.46	+ 0 47.8	1.901	2.867	6.1	21.4
4 1	13 7.66	+ 1 21.5	1.877	2.868	3.0	21.2
4 11	12 58.39	+ 1 50.1	1.880	2.870	3.9	21.2
4 21	12 49.58	+ 2 9.2	1.912	2.871	7.4	21.4
5 1	12 42.07	+ 2 15.6	1.971	2.872	10.9	21.6
5 11	12 36.49	+ 2 7.6	2.052	2.872	13.9	21.8

363520 2003 UN_{170} 4 6.6 154°.82 0°.7/ 5.9 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 29.37	− 7 4.3	1.949	2.768	13.8	22.1
3 12	13 24.02	− 6 32.1	1.872	2.776	10.4	21.8
3 22	13 16.58	− 5 48.8	1.819	2.783	6.5	21.6
4 1	13 7.72	− 4 58.5	1.794	2.789	2.3	21.4
4 11	12 58.38	− 4 6.7	1.797	2.795	2.3	21.4
4 21	12 49.53	− 3 19.3	1.829	2.800	6.5	21.6
5 1	12 42.07	− 2 41.6	1.887	2.805	10.4	21.9
5 11	12 36.61	− 2 17.2	1.969	2.809	13.7	22.1

498934 2009 BJ_{38} 4 6.6 135°.51 1°.6/ 4.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 24.56	− 3 55.9	2.346	3.173	11.5	22.1
3 12	13 20.07	− 3 16.2	2.270	3.179	8.6	21.9
3 22	13 13.95	− 2 29.1	2.219	3.185	5.3	21.7
4 1	13 6.73	− 1 39.0	2.196	3.190	2.1	21.5
4 11	12 59.16	− 0 50.6	2.202	3.196	2.8	21.5
4 21	12 51.96	− 0 8.8	2.237	3.201	6.1	21.7
5 1	12 45.83	+ 0 22.8	2.299	3.206	9.3	22.0
5 11	12 41.27	+ 0 41.5	2.384	3.211	12.0	22.1

98879 2001 BC_{24} 4 6.6 254°.75 8°.8/15.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 28.91	−31 49.8	2.059	2.760	16.9	19.1
3 12	13 24.21	−32 47.3	1.967	2.758	14.8	18.9
3 22	13 17.03	−33 21.7	1.893	2.756	12.5	18.7
4 1	13 7.98	−33 29.1	1.841	2.754	10.3	18.6
4 11	12 58.10	−33 8.4	1.813	2.752	8.9	18.5
4 21	12 48.53	−32 22.3	1.810	2.750	9.1	18.5
5 1	12 40.41	−31 17.2	1.832	2.748	10.7	18.6
5 11	12 34.56	−30 2.0	1.877	2.746	13.0	18.7

32637 2021 P–L 4 6.6 127°.17 1°.0/ 7.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 26.12	−13 21.7	1.992	2.796	14.1	19.3
3 12	13 21.54	−12 40.6	1.917	2.808	10.9	19.1
3 22	13 14.99	−11 43.0	1.864	2.819	7.1	18.9
4 1	13 7.13	−10 32.4	1.838	2.830	3.0	18.7
4 11	12 58.85	− 9 14.8	1.840	2.840	1.8	18.6
4 21	12 51.07	− 7 57.0	1.872	2.850	5.7	18.9
5 1	12 44.61	− 6 46.1	1.930	2.859	9.5	19.1
5 11	12 40.05	− 5 47.4	2.012	2.868	12.8	19.4

298700 2004 EX_{50} 4 6.6 314°.85 1°.8/ 8.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 26.42	−12 22.6	2.060	2.866	13.7	20.6
3 12	13 21.91	−12 32.8	1.968	2.859	10.7	20.4
3 22	13 15.35	−12 30.6	1.899	2.852	7.2	20.2
4 1	13 7.31	−12 17.0	1.856	2.846	3.5	19.9
4 11	12 58.66	−11 55.1	1.841	2.839	2.2	19.8
4 21	12 50.31	−11 28.9	1.854	2.833	5.6	20.1
5 1	12 43.17	−11 3.3	1.893	2.827	9.4	20.3
5 11	12 37.91	−10 43.2	1.956	2.821	12.7	20.5

4630 Chaonis 4 6.6 188°.20 2°.2/ 4.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 27.31	− 2 3.1	2.185	3.014	12.2	17.8
3 12	13 22.31	− 1 26.5	2.103	3.013	9.1	17.6
3 22	13 15.44	− 0 43.5	2.047	3.012	5.7	17.4
4 1	13 7.31	+ 0 1.4	2.018	3.011	2.6	17.2
4 11	12 58.71	+ 0 43.1	2.018	3.009	3.4	17.2
4 21	12 50.49	+ 1 16.8	2.047	3.007	6.8	17.5
5 1	12 43.45	+ 1 38.6	2.102	3.004	10.2	17.7
5 11	12 38.15	+ 1 46.4	2.180	3.001	13.2	17.8

119644 2001 XM_{36} 4 6.6 46°.42 0°.7/ 6.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 30.54	− 5 13.5	1.743	2.571	14.8	19.6
3 12	13 25.21	− 5 15.7	1.665	2.573	11.2	19.4
3 22	13 17.49	− 5 9.5	1.610	2.574	7.1	19.1
4 1	13 8.10	− 4 57.9	1.581	2.576	2.5	18.8
4 11	12 58.08	− 4 45.2	1.579	2.578	2.4	18.8
4 21	12 48.57	− 4 35.8	1.605	2.579	7.0	19.1
5 1	12 40.58	− 4 33.8	1.657	2.581	11.2	19.3
5 11	12 34.84	− 4 42.2	1.732	2.583	14.8	19.6

424925 2008 YP_{4} 4 6.6 30°.12 6°.0/31.0 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 23.23	+ 7 46.7	1.951	2.803	12.4	20.7
3 12	13 19.37	+ 9 6.2	1.891	2.807	9.6	20.6
3 22	13 13.63	+10 25.2	1.855	2.811	7.0	20.4
4 1	13 6.64	+11 36.0	1.845	2.815	6.0	20.4
4 11	12 59.26	+12 31.3	1.863	2.820	7.4	20.4
4 21	12 52.35	+13 6.3	1.906	2.825	10.1	20.6
5 1	12 46.70	+13 18.7	1.973	2.829	12.9	20.8
5 11	12 42.85	+13 8.8	2.059	2.835	15.4	21.0

376630 2013 PU_{67} 4 6.6 283°.21 1°.0/ 5.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 25.80	− 7 12.9	1.667	2.501	15.1	21.3
3 12	13 21.98	− 6 34.4	1.569	2.481	11.5	21.1
3 22	13 15.69	− 5 41.1	1.493	2.460	7.3	20.8
4 1	13 7.52	− 4 37.1	1.443	2.438	2.6	20.4
4 11	12 58.49	− 3 29.4	1.419	2.417	2.9	20.4
4 21	12 49.71	− 2 25.9	1.422	2.396	7.8	20.6
5 1	12 42.33	− 1 34.2	1.451	2.374	12.5	20.8
5 11	12 37.19	− 0 59.7	1.500	2.352	16.6	21.0

434058 2001 UE_{156} 4 6.6 79°.18 8°.5/29.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 33.89	+21 30.2	2.300	3.112	12.2	21.2
3 12	13 26.86	+22 10.2	2.260	3.132	10.3	21.1
3 22	13 18.04	+22 37.7	2.244	3.152	8.9	21.0
4 1	13 8.16	+22 46.8	2.255	3.171	8.5	21.1
4 11	12 58.15	+22 33.7	2.292	3.191	9.4	21.1
4 21	12 48.88	+21 57.9	2.355	3.211	11.0	21.3
5 1	12 41.08	+21 1.0	2.442	3.230	12.8	21.4
5 11	12 35.21	+19 46.7	2.550	3.249	14.5	21.6

169340 2001 TR_{193} 4 6.6 83°.46 0°.3/ 7.0 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 23.15	−11 6.0	2.224	3.035	12.6	20.3
3 12	13 19.11	−10 25.7	2.149	3.047	9.6	20.1
3 22	13 13.38	− 9 32.5	2.099	3.058	6.1	19.9
4 1	13 6.54	− 8 29.8	2.076	3.070	2.4	19.7
4 11	12 59.36	− 7 23.0	2.081	3.081	1.6	19.6
4 21	12 52.59	− 6 17.8	2.116	3.092	5.3	19.9
5 1	12 46.94	− 5 19.6	2.177	3.103	8.8	20.1
5 11	12 42.92	− 4 32.7	2.263	3.115	11.7	20.4

308480 2005 TV_{61} 4 6.6 41.°75 4.°1/ 1.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 23.67	+ 5 48.8	2.478	3.319	10.5	19.9
3 12	13 19.32	+ 6 32.0	2.410	3.322	8.0	19.8
3 22	13 13.43	+ 7 15.4	2.367	3.326	5.5	19.6
4 1	13 6.55	+ 7 53.9	2.352	3.330	4.1	19.5
4 11	12 59.35	+ 8 23.0	2.365	3.335	5.1	19.6
4 21	12 52.52	+ 8 39.4	2.405	3.339	7.5	19.8
5 1	12 46.70	+ 8 41.0	2.472	3.343	10.1	19.9
5 11	12 42.34	+ 8 27.5	2.560	3.348	12.4	20.1

434939 2006 TF_{129} 4 6.6 187.°56 0.°9/ 7.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 24.77	−11 26.6	2.800	3.596	10.7	22.1
3 12	13 20.08	−11 13.2	2.708	3.595	8.2	21.9
3 22	13 13.91	−10 49.8	2.640	3.594	5.4	21.7
4 1	13 6.74	−10 18.4	2.601	3.593	2.3	21.5
4 11	12 59.19	− 9 41.9	2.592	3.591	1.4	21.4
4 21	12 51.90	− 9 4.1	2.612	3.589	4.4	21.6
5 1	12 45.50	− 8 28.8	2.661	3.586	7.4	21.8
5 11	12 40.47	− 7 59.5	2.735	3.584	10.0	22.0

500330 2012 SZ_{20} 4 6.6 146.°55 0.°5/ 6.0 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 23.26	− 8 56.2	2.246	3.064	12.2	21.6
3 12	13 19.22	− 8 2.3	2.166	3.069	9.2	21.4
3 22	13 13.47	− 6 56.1	2.109	3.072	5.8	21.2
4 1	13 6.59	− 5 41.9	2.081	3.076	2.0	21.0
4 11	12 59.32	− 4 25.5	2.082	3.080	2.0	21.0
4 21	12 52.43	− 3 13.0	2.111	3.083	5.7	21.2
5 1	12 46.62	− 2 10.1	2.168	3.086	9.2	21.4
5 11	12 42.43	− 1 20.8	2.249	3.089	12.2	21.6

112264 2002 LW_{16} 4 6.6 299.°72 3.°0/ 4.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 27.33	− 1 52.0	1.450	2.301	16.0	19.4
3 12	13 23.36	− 1 16.4	1.366	2.287	12.1	19.1
3 22	13 16.65	− 0 31.2	1.303	2.273	7.7	18.8
4 1	13 7.89	+ 0 17.5	1.265	2.259	3.5	18.5
4 11	12 58.24	+ 1 1.9	1.252	2.245	4.7	18.6
4 21	12 49.00	+ 1 34.5	1.265	2.231	9.4	18.8
5 1	12 41.42	+ 1 49.5	1.301	2.218	14.1	19.0
5 11	12 36.38	+ 1 44.2	1.357	2.205	18.2	19.2

78155 2002 NA_{26} 4 6.6 215.°27 3.°7/ 9.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 29.09	−18 28.8	1.956	2.735	15.2	19.7
3 12	13 24.14	−18 37.6	1.861	2.729	12.3	19.5
3 22	13 16.88	−18 28.2	1.787	2.723	8.9	19.2
4 1	13 7.92	−18 0.3	1.738	2.716	5.4	19.0
4 11	12 58.23	−17 16.7	1.717	2.709	3.8	18.9
4 21	12 48.88	−16 22.4	1.724	2.701	6.2	19.0
5 1	12 40.88	−15 24.2	1.757	2.693	9.8	19.2
5 11	12 35.00	−14 29.6	1.814	2.684	13.3	19.4

142442 2002 SQ_{56} 4 6.6 223.°01 2.°7/ 3.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 28.30	− 1 21.3	2.082	2.913	12.6	21.2
3 12	13 23.25	− 0 33.8	1.992	2.902	9.5	20.9
3 22	13 16.16	+ 0 20.9	1.926	2.892	6.0	20.7
4 1	13 7.62	+ 1 17.9	1.888	2.880	3.0	20.5
4 11	12 58.49	+ 2 10.8	1.879	2.868	4.0	20.5
4 21	12 49.69	+ 2 54.0	1.899	2.855	7.6	20.7
5 1	12 42.09	+ 3 23.1	1.944	2.841	11.2	20.9
5 11	12 36.35	+ 3 35.6	2.012	2.827	14.4	21.1

341743 2007 VB_{267} 4 6.6 50.°80 2.°3/ 3.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 21.51	− 5 11.5	1.936	2.775	13.1	20.2
3 12	13 18.02	− 3 42.8	1.877	2.793	9.6	20.0
3 22	13 12.74	− 2 3.4	1.843	2.811	5.9	19.8
4 1	13 6.32	− 0 20.3	1.836	2.830	2.6	19.7
4 11	12 59.59	+ 1 18.1	1.858	2.848	3.8	19.8
4 21	12 53.39	+ 2 44.3	1.908	2.867	7.3	20.0
5 1	12 48.42	+ 3 52.8	1.984	2.887	10.7	20.3
5 11	12 45.17	+ 4 40.8	2.082	2.906	13.6	20.5

72517 2001 DK_{81} 4 6.6 149.°74 3.°6/ 2.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 25.72	+ 1 52.4	2.095	2.936	12.2	19.5
3 12	13 21.15	+ 2 44.3	2.024	2.939	9.1	19.3
3 22	13 14.72	+ 3 40.1	1.977	2.941	5.9	19.1
4 1	13 7.06	+ 4 34.0	1.957	2.944	3.7	19.0
4 11	12 58.99	+ 5 20.0	1.965	2.946	4.9	19.0
4 21	12 51.34	+ 5 53.2	2.002	2.949	7.9	19.2
5 1	12 44.90	+ 6 10.5	2.063	2.951	11.1	19.4
5 11	12 40.23	+ 6 10.7	2.147	2.953	13.9	19.6

308346 2005 QC_{36} 4 6.6 265.°85 2.°9/ 9.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 27.13	−16 16.3	2.489	3.266	12.4	20.7
3 12	13 22.23	−16 34.9	2.383	3.252	9.9	20.5
3 22	13 15.49	−16 41.0	2.300	3.238	7.1	20.3
4 1	13 7.40	−16 34.8	2.243	3.223	4.2	20.1
4 11	12 58.68	−16 17.9	2.216	3.209	2.9	20.0
4 21	12 50.16	−15 53.4	2.217	3.194	5.1	20.1
5 1	12 42.61	−15 25.4	2.247	3.179	8.2	20.2
5 11	12 36.69	−14 58.8	2.301	3.164	11.2	20.4

522294 2016 BH_{98} 4 6.6 330.°45 4.°6/10.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 26.21	−18 38.5	1.454	2.258	18.4	21.3
3 12	13 22.64	−18 54.2	1.370	2.253	14.9	21.1
3 22	13 16.25	−18 46.8	1.305	2.248	10.8	20.8
4 1	13 7.77	−18 15.5	1.263	2.243	6.7	20.6
4 11	12 58.39	−17 23.8	1.246	2.239	4.6	20.4
4 21	12 49.47	−16 18.6	1.254	2.235	7.4	20.6
5 1	12 42.30	−15 9.4	1.286	2.232	11.8	20.8
5 11	12 37.76	−14 6.1	1.339	2.229	15.9	21.0

466743 2015 AA_{23} 4 6.6 127.°64 4.°7/ 1.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 27.70	+ 4 24.5	2.053	2.893	12.4	21.6
3 12	13 22.55	+ 5 37.7	1.995	2.908	9.3	21.4
3 22	13 15.54	+ 6 52.6	1.962	2.923	6.4	21.3
4 1	13 7.34	+ 8 2.3	1.957	2.937	4.7	21.2
4 11	12 58.81	+ 8 59.9	1.980	2.950	6.0	21.3
4 21	12 50.83	+ 9 40.7	2.031	2.962	8.8	21.5
5 1	12 44.15	+10 1.9	2.107	2.974	11.7	21.7
5 11	12 39.30	+10 3.4	2.204	2.986	14.3	21.9

438240 2005 VT_{65} 4 6.6 221.°88 1.°2/ 5.0 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 23.06	− 4 25.0	2.699	3.521	10.3	21.8
3 12	13 18.84	− 3 49.5	2.609	3.516	7.7	21.7
3 22	13 13.16	− 3 7.0	2.545	3.510	4.8	21.5
4 1	13 6.49	− 2 21.1	2.510	3.505	1.8	21.2
4 11	12 59.44	− 1 35.8	2.504	3.499	2.4	21.3
4 21	12 52.66	− 0 55.2	2.527	3.493	5.4	21.5
5 1	12 46.74	− 0 23.1	2.578	3.486	8.4	21.6
5 11	12 42.18	− 0 1.8	2.654	3.480	11.0	21.8

145563 2006 ON_{7} 4 6.6 217.°29 1.°9/ 8.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 28.93	−14 7.2	2.067	2.860	14.0	21.0
3 12	13 23.86	−13 56.5	1.969	2.852	11.0	20.7
3 22	13 16.62	−13 30.4	1.894	2.843	7.5	20.5
4 1	13 7.83	−12 50.2	1.845	2.834	3.7	20.2
4 11	12 58.36	−11 59.8	1.825	2.823	2.2	20.1
4 21	12 49.20	−11 4.5	1.833	2.812	5.8	20.3
5 1	12 41.28	−10 10.7	1.869	2.800	9.7	20.5
5 11	12 35.33	− 9 24.3	1.929	2.788	13.2	20.7

449127 2013 AS_{15} 4 6.6 95.°86 1.°7/ 5.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 28.61	− 6 53.2	1.389	2.230	17.1	21.3
3 12	13 24.06	− 5 54.5	1.329	2.245	12.8	21.0
3 22	13 16.86	− 4 40.4	1.291	2.259	7.9	20.8
4 1	13 7.88	− 3 17.9	1.277	2.273	2.9	20.5
4 11	12 58.40	− 1 56.7	1.290	2.287	3.5	20.6
4 21	12 49.71	− 0 46.2	1.329	2.300	8.5	20.9
5 1	12 42.88	+ 0 6.4	1.392	2.314	13.1	21.2
5 11	12 38.59	+ 0 37.5	1.476	2.326	16.9	21.5

498095 2007 RE_{270} 4 6.6 134.°13 0.°6/ 5.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 25.03	− 6 24.0	2.766	3.578	10.4	22.2
3 12	13 20.17	− 5 52.9	2.691	3.591	7.8	22.1
3 22	13 13.91	− 5 14.4	2.642	3.604	4.8	21.9
4 1	13 6.74	− 4 31.7	2.621	3.616	1.7	21.7
4 11	12 59.29	− 3 48.6	2.631	3.628	1.8	21.7
4 21	12 52.19	− 3 8.9	2.671	3.640	4.9	22.0
5 1	12 46.02	− 2 36.1	2.738	3.651	7.8	22.2
5 11	12 41.21	− 2 12.8	2.831	3.661	10.3	22.3

327888 2007 BD_{36} 4 6.6 138.°82 0.°4/ 6.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 26.93	− 7 57.6	1.822	2.647	14.4	21.4
3 12	13 22.38	− 7 27.7	1.744	2.651	10.9	21.2
3 22	13 15.67	− 6 45.2	1.690	2.654	6.8	21.0
4 1	13 7.46	− 5 54.3	1.662	2.657	2.4	20.7
4 11	12 58.72	− 5 0.7	1.662	2.660	2.2	20.7
4 21	12 50.46	− 4 10.8	1.689	2.663	6.7	21.0
5 1	12 43.59	− 3 30.4	1.742	2.666	10.7	21.2
5 11	12 38.78	− 3 3.5	1.818	2.669	14.2	21.4

264518 2001 QY_{272} 4 6.6 146.°97 0.°5/ 6.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 29.13	− 7 0.1	2.306	3.116	12.2	21.5
3 12	13 23.53	− 6 34.5	2.229	3.128	9.2	21.3
3 22	13 16.14	− 5 59.8	2.178	3.139	5.7	21.1
4 1	13 7.58	− 5 19.4	2.154	3.149	2.0	20.9
4 11	12 58.64	− 4 37.6	2.161	3.159	2.0	20.9
4 21	12 50.14	− 3 59.1	2.197	3.168	5.6	21.2
5 1	12 42.82	− 3 28.0	2.261	3.176	9.0	21.4
5 11	12 37.23	− 3 7.3	2.349	3.183	11.9	21.6

277683 2006 BX_{267} 4 6.6 10.°16 6.°5/31.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 24.68	+ 7 11.8	1.663	2.521	14.0	19.8
3 12	13 20.80	+ 8 26.8	1.602	2.521	10.7	19.6
3 22	13 14.70	+ 9 42.0	1.563	2.523	7.8	19.4
4 1	13 7.10	+10 48.6	1.550	2.524	6.5	19.4
4 11	12 59.01	+11 38.3	1.563	2.526	8.0	19.4
4 21	12 51.48	+12 5.6	1.601	2.529	11.0	19.6
5 1	12 45.42	+12 8.1	1.661	2.531	14.2	19.8
5 11	12 41.47	+11 46.7	1.741	2.534	17.1	20.0

55802 1994 PM_6 4 6.6 97.°54 5.°1/30.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 22.03	+ 6 17.8	2.382	3.228	10.7	19.0
3 12	13 18.14	+ 7 55.8	2.325	3.239	8.1	18.9
3 22	13 12.73	+ 9 34.5	2.293	3.250	5.9	18.7
4 1	13 6.32	+11 7.0	2.291	3.260	5.1	18.7
4 11	12 59.63	+12 26.5	2.317	3.271	6.4	18.8
4 21	12 53.32	+13 28.2	2.370	3.281	8.7	18.9
5 1	12 48.04	+14 9.3	2.449	3.292	11.1	19.1
5 11	12 44.23	+14 29.6	2.548	3.302	13.3	19.3

127085 2002 GX_{73} 4 6.6 321.°55 3.°0/ 3.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 22.78	− 2 45.8	1.770	2.617	13.8	19.5
3 12	13 19.34	− 1 34.7	1.692	2.612	10.3	19.3
3 22	13 13.79	− 0 12.9	1.638	2.607	6.4	19.0
4 1	13 6.79	+ 1 12.8	1.610	2.603	3.2	18.8
4 11	12 59.24	+ 2 33.8	1.609	2.598	4.6	18.9
4 21	12 52.11	+ 3 42.6	1.636	2.594	8.4	19.1
5 1	12 46.29	+ 4 33.1	1.686	2.590	12.2	19.3
5 11	12 42.45	+ 5 2.3	1.758	2.586	15.6	19.5

302179 2001 TF_{122} 4 6.6 256.°14 4.°5/ 9.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 31.74	−18 21.8	1.722	2.506	16.8	21.4
3 12	13 26.73	−18 46.0	1.615	2.486	13.7	21.1
3 22	13 18.89	−18 51.3	1.528	2.465	10.1	20.8
4 1	13 8.80	−18 36.1	1.466	2.443	6.3	20.6
4 11	12 57.55	−18 1.6	1.430	2.421	4.5	20.4
4 21	12 46.44	−17 12.5	1.420	2.398	7.3	20.5
5 1	12 36.80	−16 16.3	1.437	2.374	11.5	20.7
5 11	12 29.67	−15 22.0	1.477	2.350	15.7	20.9

474812 2005 SR_{17} 4 6.6 255.°54 1.°3/ 7.8 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 29.52	−10 42.1	2.597	3.389	11.5	21.4
3 12	13 23.90	−11 0.2	2.492	3.376	9.0	21.2
3 22	13 16.49	−11 9.9	2.411	3.362	6.0	21.0
4 1	13 7.76	−11 12.0	2.358	3.348	2.7	20.8
4 11	12 58.45	−11 8.2	2.335	3.334	1.7	20.7
4 21	12 49.32	−11 1.3	2.343	3.319	4.9	20.9
5 1	12 41.14	−10 54.5	2.379	3.305	8.1	21.0
5 11	12 34.54	−10 51.1	2.441	3.290	11.1	21.2

346056 2007 UO_{43} 4 6.6 155.°38 0.°6/ 5.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 24.31	− 7 21.4	2.355	3.173	11.7	22.0
3 12	13 19.94	− 6 45.5	2.274	3.177	8.8	21.8
3 22	13 13.92	− 5 59.9	2.217	3.180	5.5	21.6
4 1	13 6.78	− 5 8.1	2.188	3.183	1.9	21.3
4 11	12 59.26	− 4 14.9	2.188	3.186	2.0	21.4
4 21	12 52.09	− 3 25.2	2.217	3.189	5.6	21.6
5 1	12 45.97	− 2 43.6	2.274	3.191	8.9	21.8
5 11	12 41.41	− 2 13.4	2.354	3.193	11.8	22.0

166740 2002 TN_{291} 4 6.6 119.°35 0.°2/ 6.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 27.39	− 7 7.7	2.331	3.145	12.0	19.8
3 12	13 22.24	− 6 58.4	2.254	3.153	9.1	19.6
3 22	13 15.35	− 6 40.9	2.201	3.162	5.7	19.4
4 1	13 7.31	− 6 17.7	2.175	3.170	2.0	19.1
4 11	12 58.87	− 5 52.5	2.179	3.178	1.7	19.1
4 21	12 50.84	− 5 29.1	2.212	3.186	5.4	19.4
5 1	12 43.92	− 5 11.2	2.273	3.194	8.7	19.6
5 11	12 38.67	− 5 1.7	2.358	3.201	11.6	19.8

312033 2007 RR_{143} 4 6.6 144.°76 1.°5/ 8.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 30.21	−13 43.5	2.020	2.814	14.3	22.4
3 12	13 24.64	−13 22.9	1.943	2.827	11.1	22.2
3 22	13 16.98	−12 46.8	1.888	2.839	7.4	22.0
4 1	13 7.92	−11 57.4	1.861	2.850	3.4	21.8
4 11	12 58.40	−10 59.5	1.862	2.861	2.0	21.7
4 21	12 49.41	− 9 59.2	1.892	2.870	5.7	21.9
5 1	12 41.79	− 9 2.8	1.950	2.879	9.4	22.2
5 11	12 36.18	− 8 15.6	2.032	2.887	12.7	22.4

32017 2000 HC_{77} 4 6.6 251.°13 1.°6/ 5.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 26.66	− 5 5.5	2.016	2.844	13.1	20.1
3 12	13 22.16	− 4 22.7	1.919	2.827	9.9	19.8
3 22	13 15.58	− 3 29.0	1.845	2.811	6.2	19.6
4 1	13 7.48	− 2 29.0	1.799	2.794	2.4	19.3
4 11	12 58.70	− 1 28.6	1.781	2.776	3.0	19.3
4 21	12 50.20	− 0 34.2	1.791	2.758	7.1	19.5
5 1	12 42.88	+ 0 8.7	1.828	2.740	11.0	19.7
5 11	12 37.45	+ 0 36.1	1.887	2.721	14.5	19.9

306845 2001 SB_{74} 4 6.6 162.°84 2.°2/ 9.1 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 26.67	−16 49.2	2.261	3.042	13.4	21.5
3 12	13 21.86	−16 22.9	2.174	3.048	10.5	21.3
3 22	13 15.19	−15 39.8	2.110	3.053	7.3	21.1
4 1	13 7.27	−14 41.8	2.073	3.058	3.9	20.9
4 11	12 58.91	−13 33.3	2.065	3.062	2.3	20.8
4 21	12 50.95	−12 19.9	2.086	3.065	5.1	21.0
5 1	12 44.16	−11 8.2	2.136	3.068	8.5	21.2
5 11	12 39.12	−10 4.0	2.210	3.070	11.7	21.4

501257 2013 WN_1 4 6.6 226.°65 1.°9/ 4.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 26.75	− 3 11.5	2.413	3.236	11.3	22.8
3 12	13 21.85	− 2 23.6	2.316	3.223	8.5	22.6
3 22	13 15.20	− 1 27.7	2.244	3.209	5.3	22.3
4 1	13 7.29	− 0 28.1	2.201	3.194	2.3	22.1
4 11	12 58.87	+ 0 29.8	2.187	3.179	3.2	22.1
4 21	12 50.69	+ 1 20.8	2.203	3.163	6.5	22.3
5 1	12 43.52	+ 2 0.6	2.246	3.146	9.8	22.5
5 11	12 37.94	+ 2 26.3	2.313	3.128	12.7	22.7

63564 2001 QW_{17} 4 6.6 166.°05 0.°0/ 6.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 25.13	− 8 22.5	2.850	3.654	10.3	20.4
3 12	13 20.28	− 7 59.2	2.764	3.659	7.8	20.3
3 22	13 14.02	− 7 27.8	2.704	3.664	4.9	20.1
4 1	13 6.81	− 6 50.5	2.673	3.667	1.8	19.9
4 11	12 59.28	− 6 11.0	2.672	3.671	1.4	19.9
4 21	12 52.04	− 5 32.8	2.701	3.674	4.6	20.1
5 1	12 45.68	− 4 59.6	2.758	3.676	7.5	20.3
5 11	12 40.66	− 4 34.2	2.841	3.678	10.0	20.4

408133 2013 CM_{67} 4 6.6 50.°40 4.°8/10.1 14 C

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 28.69	−18 52.1	1.403	2.205	19.0	21.5
3 12	13 24.57	−19 9.6	1.326	2.207	15.4	21.3
3 22	13 17.50	−19 3.1	1.267	2.208	11.2	21.0
4 1	13 8.25	−18 32.0	1.230	2.209	6.9	20.8
4 11	12 58.13	−17 39.6	1.218	2.211	4.8	20.7
4 21	12 48.58	−16 33.5	1.232	2.212	7.6	20.8
5 1	12 40.92	−15 23.5	1.269	2.214	12.0	21.1
5 11	12 36.05	−14 19.8	1.328	2.216	16.2	21.3

186517 2002 VM_{32} 4 6.6 123.°66 0.°1/ 6.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 28.27	− 8 55.1	1.966	2.782	13.8	21.2
3 12	13 23.15	− 8 21.7	1.896	2.796	10.5	21.0
3 22	13 16.03	− 7 36.0	1.849	2.810	6.6	20.8
4 1	13 7.57	− 6 41.8	1.829	2.823	2.4	20.5
4 11	12 58.72	− 5 44.8	1.837	2.836	2.0	20.5
4 21	12 50.40	− 4 51.1	1.874	2.849	6.1	20.8
5 1	12 43.44	− 4 6.0	1.938	2.860	9.9	21.1
5 11	12 38.43	− 3 33.5	2.026	2.872	13.1	21.3

140274 2001 SX_{275} 4 6.6 125.°42 1.°9/ 4.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 23.59	− 2 23.3	2.752	3.577	10.0	21.0
3 12	13 19.09	− 1 30.9	2.683	3.591	7.4	20.9
3 22	13 13.24	− 0 33.2	2.640	3.606	4.6	20.7
4 1	13 6.52	+ 0 25.8	2.627	3.619	2.2	20.5
4 11	12 59.55	+ 1 21.4	2.643	3.633	3.0	20.6
4 21	12 52.93	+ 2 9.6	2.690	3.646	5.7	20.8
5 1	12 47.22	+ 2 46.9	2.763	3.658	8.3	21.0
5 11	12 42.85	+ 3 11.6	2.861	3.670	10.7	21.2

352817 2008 UZ_{301} 4 6.6 40.°07 2.°9/ 8.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 31.12	−12 40.5	1.232	2.061	19.6	20.9
3 12	13 26.57	−13 9.4	1.165	2.068	15.4	20.7
3 22	13 18.81	−13 19.9	1.118	2.075	10.4	20.4
4 1	13 8.73	−13 12.4	1.093	2.083	5.2	20.1
4 11	12 57.80	−12 50.8	1.092	2.091	3.3	20.0
4 21	12 47.62	−12 21.8	1.116	2.099	7.9	20.3
5 1	12 39.60	−11 53.4	1.164	2.108	12.9	20.6
5 11	12 34.63	−11 33.0	1.231	2.117	17.3	20.9

107470 2001 DO_{31} 4 6.6 308.°42 1.°1/ 5.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 27.57	− 5 19.6	1.413	2.258	16.7	19.0
3 12	13 23.78	− 5 9.9	1.321	2.238	12.8	18.7
3 22	13 17.10	− 4 48.5	1.250	2.218	8.1	18.4
4 1	13 8.17	− 4 19.1	1.203	2.198	2.9	18.0
4 11	12 58.16	− 3 48.1	1.181	2.179	3.1	18.0
4 21	12 48.45	− 3 22.1	1.185	2.161	8.6	18.2
5 1	12 40.40	− 3 7.6	1.211	2.142	13.7	18.5
5 11	12 35.01	− 3 9.1	1.258	2.125	18.3	18.7

131232 2001 DC_{103} 4 6.6 292.°89 5.°7/31.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 24.22	+ 5 56.0	1.881	2.733	12.8	19.4
3 12	13 20.37	+ 7 11.1	1.803	2.721	9.9	19.2
3 22	13 14.45	+ 8 28.7	1.749	2.709	7.0	19.0
4 1	13 7.07	+ 9 41.0	1.721	2.697	5.7	18.9
4 11	12 59.11	+10 40.2	1.720	2.686	7.2	19.0
4 21	12 51.54	+11 20.0	1.745	2.674	10.2	19.1
5 1	12 45.22	+11 37.2	1.794	2.663	13.4	19.3
5 11	12 40.83	+11 31.1	1.863	2.651	16.3	19.4

323428 2004 FR_{54} 4 6.6 334.°97 4.°2/ 3.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 27.39	+ 1 19.2	1.542	2.394	15.1	20.6
3 12	13 23.12	+ 2 2.0	1.470	2.390	11.4	20.3
3 22	13 16.33	+ 2 50.4	1.419	2.387	7.4	20.1
4 1	13 7.78	+ 3 37.3	1.394	2.384	4.3	19.9
4 11	12 58.57	+ 4 15.1	1.395	2.381	5.6	20.0
4 21	12 49.90	+ 4 37.5	1.421	2.378	9.6	20.2
5 1	12 42.85	+ 4 40.8	1.471	2.376	13.6	20.4
5 11	12 38.16	+ 4 23.9	1.541	2.374	17.2	20.6

83148 2001 QQ_{265} 4 6.6 228°.49 0°.7/ 5.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 22.67	− 7 56.7	2.354	3.174	11.7	19.7
3 12	13 18.79	− 7 3.9	2.264	3.169	8.8	19.5
3 22	13 13.26	− 5 59.7	2.200	3.164	5.5	19.3
4 1	13 6.59	− 4 48.1	2.163	3.158	1.9	19.0
4 11	12 59.50	− 3 34.6	2.155	3.153	2.1	19.0
4 21	12 52.72	− 2 25.0	2.177	3.147	5.7	19.2
5 1	12 46.93	− 1 24.8	2.226	3.141	9.1	19.4
5 11	12 42.67	− 0 37.7	2.299	3.136	12.1	19.6

348867 2006 SO_{145} 4 6.6 136°.87 0°.5/ 6.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 22.54	− 8 41.4	2.497	3.312	11.3	21.1
3 12	13 18.53	− 7 50.2	2.416	3.318	8.5	20.9
3 22	13 13.01	− 6 48.3	2.361	3.323	5.3	20.7
4 1	13 6.48	− 5 39.4	2.334	3.329	1.8	20.5
4 11	12 59.61	− 4 28.8	2.336	3.334	1.8	20.5
4 21	12 53.09	− 3 21.7	2.368	3.339	5.2	20.7
5 1	12 47.54	− 2 23.1	2.427	3.344	8.4	20.9
5 11	12 43.43	− 1 36.4	2.511	3.349	11.2	21.1

98620 2000 WU_{85} 4 6.6 169°.76 0°.6/ 7.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 29.85	−11 1.5	2.035	2.839	13.8	20.8
3 12	13 24.42	−10 37.3	1.951	2.844	10.6	20.6
3 22	13 16.90	− 9 59.4	1.891	2.848	6.9	20.4
4 1	13 7.95	− 9 10.6	1.858	2.851	2.8	20.1
4 11	12 58.47	− 8 15.9	1.854	2.854	1.8	20.0
4 21	12 49.43	− 7 20.9	1.879	2.856	5.9	20.3
5 1	12 41.73	− 6 31.8	1.932	2.857	9.8	20.5
5 11	12 35.99	− 5 53.2	2.008	2.857	13.1	20.8

353471 2011 SN_{27} 4 6.6 199°.14 2°.7/10.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 24.76	−19 37.2	3.287	4.037	10.2	22.6
3 12	13 19.97	−19 33.2	3.183	4.033	8.2	22.4
3 22	13 13.84	−19 16.9	3.103	4.028	6.0	22.3
4 1	13 6.79	−18 48.8	3.050	4.022	3.8	22.1
4 11	12 59.36	−18 10.9	3.027	4.016	2.7	22.0
4 21	12 52.14	−17 26.2	3.035	4.009	4.0	22.1
5 1	12 45.69	−16 38.5	3.072	4.002	6.3	22.2
5 11	12 40.45	−15 51.8	3.135	3.994	8.6	22.4

173976 2001 XG_{132} 4 6.6 224°.67 0°.8/ 5.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 24.33	− 5 49.0	2.702	3.519	10.5	20.8
3 12	13 19.84	− 5 17.7	2.607	3.510	7.9	20.6
3 22	13 13.85	− 4 38.6	2.537	3.500	4.9	20.4
4 1	13 6.81	− 3 54.8	2.496	3.491	1.8	20.1
4 11	12 59.35	− 3 10.4	2.484	3.481	2.0	20.1
4 21	12 52.14	− 2 29.4	2.502	3.470	5.2	20.3
5 1	12 45.80	− 1 55.6	2.548	3.460	8.3	20.5
5 11	12 40.83	− 1 31.8	2.618	3.448	11.0	20.7

522707 2016 LD_{60} 4 6.6 214°.95 4°.6/12.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 23.89	−25 44.4	2.684	3.412	12.7	22.0
3 12	13 19.69	−25 39.0	2.581	3.407	10.7	21.8
3 22	13 13.83	−25 15.2	2.500	3.402	8.3	21.6
4 1	13 6.81	−24 32.6	2.444	3.396	6.0	21.5
4 11	12 59.34	−23 33.3	2.416	3.391	4.7	21.4
4 21	12 52.15	−22 21.4	2.416	3.385	5.4	21.4
5 1	12 45.93	−21 2.5	2.445	3.378	7.6	21.5
5 11	12 41.23	−19 43.0	2.499	3.372	10.1	21.7

188626 2005 QV_{45} 4 6.6 129°.97 2°.2/ 4.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 27.54	− 2 58.0	2.011	2.841	13.0	20.9
3 12	13 22.56	− 2 10.0	1.942	2.853	9.7	20.8
3 22	13 15.65	− 1 14.2	1.898	2.864	6.0	20.5
4 1	13 7.47	− 0 16.1	1.881	2.874	2.6	20.3
4 11	12 58.90	+ 0 38.4	1.893	2.884	3.5	20.4
4 21	12 50.83	+ 1 23.6	1.933	2.894	7.1	20.7
5 1	12 44.07	+ 1 55.3	1.999	2.903	10.6	20.9
5 11	12 39.18	+ 2 11.4	2.088	2.912	13.6	21.1

406454 2007 TG_{430} 4 6.6 77°.74 2°.2/ 8.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 27.64	−14 38.1	1.524	2.338	17.2	21.3
3 12	13 23.33	−14 23.4	1.455	2.349	13.5	21.0
3 22	13 16.46	−13 48.5	1.406	2.360	9.1	20.8
4 1	13 7.83	−12 55.9	1.381	2.371	4.4	20.6
4 11	12 58.62	−11 51.5	1.383	2.382	2.6	20.5
4 21	12 50.06	−10 43.3	1.411	2.393	6.7	20.7
5 1	12 43.22	− 9 39.9	1.464	2.404	11.1	21.0
5 11	12 38.81	− 8 48.3	1.540	2.415	15.0	21.3

370824 2004 UG_{8} 4 6.6 137°.07 0°.9/ 5.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 28.53	− 5 10.9	2.360	3.176	11.8	21.2
3 12	13 23.05	− 4 48.8	2.286	3.188	8.9	21.0
3 22	13 15.86	− 4 19.3	2.237	3.200	5.5	20.8
4 1	13 7.53	− 3 45.9	2.216	3.211	2.0	20.6
4 11	12 58.86	− 3 12.6	2.224	3.221	2.2	20.6
4 21	12 50.62	− 2 43.5	2.263	3.231	5.7	20.9
5 1	12 43.51	− 2 22.3	2.328	3.241	8.9	21.1
5 11	12 38.07	− 2 11.4	2.418	3.250	11.7	21.3

431557 2007 TC_{450} 4 6.6 275°.30 1°.9/ 8.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 23.34	−15 34.5	2.201	2.995	13.2	21.2
3 12	13 19.58	−15 6.1	2.095	2.978	10.5	20.9
3 22	13 13.94	−14 20.5	2.012	2.961	7.2	20.7
4 1	13 6.91	−13 19.6	1.956	2.944	3.6	20.4
4 11	12 59.29	−12 7.6	1.928	2.926	2.1	20.3
4 21	12 51.90	−10 50.4	1.928	2.908	5.4	20.5
5 1	12 45.58	− 9 34.9	1.956	2.891	9.1	20.7
5 11	12 40.97	− 8 27.6	2.008	2.873	12.5	20.8

250433 2003 WR_{126} 4 6.6 145°.34 2°.1/ 4.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 30.95	− 2 36.7	1.862	2.691	13.9	20.7
3 12	13 25.32	− 2 9.0	1.790	2.699	10.5	20.5
3 22	13 17.49	− 1 34.0	1.741	2.707	6.5	20.3
4 1	13 8.17	− 0 56.6	1.720	2.714	2.7	20.0
4 11	12 58.37	− 0 22.4	1.727	2.720	3.5	20.1
4 21	12 49.12	+ 0 3.6	1.762	2.726	7.4	20.3
5 1	12 41.33	+ 0 17.4	1.823	2.732	11.2	20.6
5 11	12 35.65	+ 0 16.9	1.907	2.737	14.4	20.8

329791 2004 PK_{42} 4 6.6 264°.31 1°.1/ 7.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 26.15	−12 11.5	1.989	2.798	14.0	21.6
3 12	13 21.91	−11 50.1	1.886	2.780	10.9	21.4
3 22	13 15.52	−11 13.4	1.806	2.762	7.2	21.1
4 1	13 7.53	−10 23.3	1.751	2.743	3.1	20.8
4 11	12 58.80	− 9 24.4	1.725	2.725	1.9	20.7
4 21	12 50.32	− 8 22.8	1.727	2.706	6.0	20.9
5 1	12 43.03	− 7 25.3	1.755	2.686	10.2	21.1
5 11	12 37.67	− 6 37.8	1.807	2.666	13.9	21.3

15932 1997 XL_{5} 4 6.6 122°.01 2°.7/ 3.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 26.45	− 2 5.6	1.887	2.725	13.4	18.0
3 12	13 21.89	− 1 9.9	1.818	2.733	10.0	17.8
3 22	13 15.30	− 0 6.4	1.773	2.741	6.2	17.6
4 1	13 7.37	+ 0 58.9	1.756	2.748	3.0	17.4
4 11	12 59.01	+ 1 59.1	1.766	2.756	4.1	17.5
4 21	12 51.16	+ 2 48.1	1.804	2.763	7.7	17.7
5 1	12 44.65	+ 3 21.4	1.868	2.770	11.3	18.0
5 11	12 40.09	+ 3 36.9	1.953	2.776	14.4	18.2

371911 2008 DB_{47} 4 6.6 296°.63 0°.8/ 5.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 19.17	− 3 27.0	4.227	5.043	7.0	20.2
3 12	13 15.47	− 3 13.2	4.133	5.036	5.2	20.0
3 22	13 10.88	− 2 56.0	4.065	5.029	3.2	19.9
4 1	13 5.70	− 2 37.4	4.027	5.021	1.2	19.7
4 11	13 0.29	− 2 19.3	4.019	5.014	1.5	19.7
4 21	12 55.03	− 2 3.8	4.041	5.007	3.5	19.9
5 1	12 50.29	− 1 52.7	4.093	5.000	5.6	20.0
5 11	12 46.36	− 1 47.4	4.170	4.993	7.3	20.1

431886 2008 SK_{258} 4 6.6 189°.83 2°.1/ 4.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 27.11	− 2 1.4	2.135	2.966	12.3	21.7
3 12	13 22.25	− 1 32.5	2.055	2.965	9.3	21.5
3 22	13 15.50	− 0 57.6	1.999	2.965	5.8	21.3
4 1	13 7.45	− 0 20.9	1.970	2.964	2.5	21.1
4 11	12 58.94	+ 0 12.8	1.971	2.963	3.3	21.2
4 21	12 50.82	+ 0 38.8	1.999	2.962	6.8	21.4
5 1	12 43.88	+ 0 53.6	2.054	2.961	10.2	21.6
5 11	12 38.72	+ 0 55.1	2.132	2.959	13.2	21.8

410256 2007 TY_{111} 4 6.6 219°.55 2°.3/ 8.7 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 30.41	−15 9.0	2.040	2.827	14.4	22.3
3 12	13 25.09	−15 2.6	1.938	2.817	11.4	22.1
3 22	13 17.51	−14 39.9	1.860	2.806	7.9	21.8
4 1	13 8.26	−14 1.9	1.808	2.794	4.1	21.6
4 11	12 58.27	−13 12.0	1.784	2.781	2.5	21.5
4 21	12 48.56	−12 15.6	1.789	2.767	5.9	21.6
5 1	12 40.12	−11 19.2	1.821	2.753	9.8	21.8
5 11	12 33.72	−10 29.4	1.878	2.738	13.4	22.0

197973 2004 RB_{132} 4 6.6 41°.69 0°.0/ 6.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 27.91	− 8 38.2	1.144	1.994	19.4	20.1
3 12	13 24.06	− 8 21.2	1.089	2.008	14.7	19.8
3 22	13 17.13	− 7 46.7	1.054	2.022	9.3	19.6
4 1	13 8.11	− 6 59.7	1.042	2.037	3.4	19.3
4 11	12 58.49	− 6 8.5	1.053	2.053	2.7	19.3
4 21	12 49.77	− 5 22.0	1.089	2.070	8.4	19.6
5 1	12 43.23	− 4 48.0	1.147	2.087	13.5	20.0
5 11	12 39.61	− 4 31.3	1.225	2.104	17.8	20.3

130164 1999 YW_{9} 4 6.6 254°.05 1°.4/ 5.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 25.62	− 5 4.4	2.184	3.009	12.3	20.8
3 12	13 21.23	− 4 25.0	2.086	2.994	9.3	20.6
3 22	13 14.95	− 3 36.0	2.013	2.978	5.8	20.3
4 1	13 7.29	− 2 41.2	1.967	2.962	2.2	20.1
4 11	12 59.05	− 1 46.2	1.950	2.946	2.8	20.1
4 21	12 51.06	− 0 56.5	1.962	2.929	6.5	20.3
5 1	12 44.15	− 0 17.2	2.000	2.912	10.2	20.5
5 11	12 38.96	+ 0 8.4	2.062	2.895	13.4	20.7

240457 2003 YU_{103} 4 6.6 183°.93 2°.4/ 4.3 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 28.46	− 2 40.5	2.000	2.830	13.1	21.5
3 12	13 23.39	− 1 48.8	1.920	2.830	9.8	21.3
3 22	13 16.27	− 0 48.7	1.865	2.831	6.1	21.1
4 1	13 7.75	+ 0 14.4	1.837	2.830	2.8	20.9
4 11	12 58.72	+ 1 13.9	1.838	2.829	3.8	20.9
4 21	12 50.13	+ 2 3.8	1.867	2.827	7.5	21.2
5 1	12 42.82	+ 2 39.4	1.923	2.824	11.1	21.4
5 11	12 37.44	+ 2 58.2	2.001	2.821	14.3	21.6

255697 2006 QG_{81} 4 6.6 233°.95 2°.6/ 4.2 17

3 2	13 26.83	− 3 8.1	1.797	2.635	14.0	21.3
3 12	13 22.47	− 2 10.0	1.712	2.627	10.5	21.0
3 22	13 15.86	− 1 1.2	1.650	2.618	6.6	20.8
4 1	13 7.65	+ 0 12.2	1.615	2.608	3.0	20.5
4 11	12 58.80	+ 1 22.5	1.608	2.599	4.2	20.6
4 21	12 50.32	+ 2 22.5	1.627	2.588	8.2	20.8
5 1	12 43.21	+ 3 6.1	1.673	2.578	12.2	21.0
5 11	12 38.17	+ 3 30.2	1.739	2.567	15.7	21.2

505151 2012 PZ_{11} 4 6.6 168°.94 2°.1/ 8.9 17

3 2	13 25.34	−15 41.6	2.322	3.109	12.9	22.1
3 12	13 20.88	−15 27.7	2.234	3.112	10.1	21.9
3 22	13 14.63	−14 58.9	2.168	3.113	7.0	21.7
4 1	13 7.16	−14 16.9	2.130	3.115	3.7	21.5
4 11	12 59.24	−13 25.2	2.119	3.116	2.2	21.4
4 21	12 51.65	−12 28.8	2.138	3.117	5.0	21.5
5 1	12 45.17	−11 33.3	2.184	3.118	8.3	21.7
5 11	12 40.34	−10 43.8	2.256	3.119	11.3	21.9

94342 2001 QS_{75} 4 6.6 207°.36 0°.3/ 6.3 17

3 2	13 32.99	− 7 5.4	1.947	2.759	14.1	20.4
3 12	13 27.03	− 6 52.0	1.854	2.753	10.8	20.1
3 22	13 18.73	− 6 28.1	1.785	2.746	6.8	19.9
4 1	13 8.72	− 5 56.5	1.743	2.738	2.5	19.6
4 11	12 58.01	− 5 22.0	1.730	2.729	2.2	19.5
4 21	12 47.65	− 4 49.6	1.746	2.719	6.6	19.8
5 1	12 38.67	− 4 24.5	1.790	2.708	10.8	20.0
5 11	12 31.82	− 4 10.5	1.856	2.697	14.4	20.2

114920 2003 QX_{38} 4 6.6 162°.00 2°.3/ 3.7 17

3 2	13 25.12	− 1 30.9	2.605	3.431	10.5	21.0
3 12	13 20.39	− 0 34.3	2.529	3.438	7.8	20.9
3 22	13 14.17	+ 0 28.0	2.479	3.443	4.9	20.7
4 1	13 6.95	+ 1 31.3	2.458	3.449	2.5	20.5
4 11	12 59.42	+ 2 30.5	2.467	3.454	3.4	20.6
4 21	12 52.23	+ 3 21.2	2.505	3.458	6.2	20.8
5 1	12 46.00	+ 3 59.7	2.571	3.461	9.1	21.0
5 11	12 41.21	+ 4 24.1	2.660	3.464	11.6	21.1

499517 2010 PX_{24} 4 6.6 280°.23 3°.1/ 3.9 17

3 2	13 26.98	− 3 20.2	1.629	2.471	15.0	21.9
3 12	13 23.09	− 2 13.1	1.524	2.441	11.4	21.6
3 22	13 16.59	− 0 51.1	1.442	2.410	7.2	21.2
4 1	13 8.05	+ 0 39.3	1.386	2.379	3.5	20.9
4 11	12 58.46	+ 2 9.0	1.357	2.348	4.9	20.9
4 21	12 49.03	+ 3 28.2	1.355	2.315	9.6	21.1
5 1	12 40.96	+ 4 28.4	1.377	2.283	14.3	21.3
5 11	12 35.22	+ 5 4.6	1.419	2.249	18.5	21.5

42454 4134 T-3 4 6.6 131°.20 1°.4/ 5.1 18 R

3 2	13 27.39	− 4 25.1	2.262	3.084	12.0	19.5
3 12	13 22.27	− 3 48.9	2.191	3.097	9.0	19.4
3 22	13 15.41	− 3 5.0	2.144	3.109	5.6	19.2
4 1	13 7.42	− 2 17.7	2.126	3.121	2.1	19.0
4 11	12 59.08	− 1 31.9	2.137	3.132	2.7	19.0
4 21	12 51.19	− 0 52.3	2.177	3.143	6.1	19.3
5 1	12 44.46	− 0 22.9	2.245	3.153	9.4	19.5
5 11	12 39.42	− 0 6.0	2.336	3.163	12.2	19.7

499768 2011 CC_{13} 4 6.6 148°.02 7°.8/28.9 17

3 2	13 27.57	+14 11.8	2.079	2.918	12.3	22.1
3 12	13 22.57	+15 42.8	2.026	2.926	9.9	21.9
3 22	13 15.67	+17 8.0	1.998	2.933	8.2	21.8
4 1	13 7.52	+18 19.1	1.997	2.940	7.8	21.8
4 11	12 59.01	+19 9.2	2.023	2.946	9.2	21.9
4 21	12 51.02	+19 34.7	2.073	2.952	11.3	22.0
5 1	12 44.34	+19 34.7	2.147	2.957	13.7	22.2
5 11	12 39.52	+19 11.3	2.239	2.962	15.7	22.4

410212 2007 RD_{265} 4 6.6 295°.98 3°.5/ 8.7 17

3 2	13 29.76	−14 8.0	1.398	2.216	18.3	21.2
3 12	13 25.81	−14 39.1	1.297	2.192	14.7	20.9
3 22	13 18.68	−14 53.3	1.215	2.167	10.3	20.6
4 1	13 8.93	−14 49.1	1.156	2.143	5.7	20.2
4 11	12 57.75	−14 28.4	1.121	2.118	3.8	20.0
4 21	12 46.67	−13 56.2	1.112	2.094	8.0	20.2
5 1	12 37.27	−13 20.4	1.126	2.070	13.3	20.4
5 11	12 30.76	−12 49.7	1.161	2.046	18.2	20.6

472484 2015 BL_{512} 4 6.6 122°.17 2°.0/ 8.6 15

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 29.31	−14 36.0	2.206	2.994	13.5	22.5
3 12	13 23.81	−14 28.5	2.132	3.011	10.5	22.3
3 22	13 16.43	−14 6.8	2.081	3.027	7.1	22.1
4 1	13 7.81	−13 32.5	2.057	3.044	3.6	21.9
4 11	12 58.79	−12 49.5	2.062	3.059	2.2	21.8
4 21	12 50.26	−12 2.6	2.096	3.074	5.2	22.1
5 1	12 43.00	−11 17.0	2.158	3.088	8.6	22.3
5 11	12 37.57	−10 37.9	2.244	3.102	11.6	22.5

505279 2012 VH_{43} 4 6.6 262°.32 3°.8/11.0 17

3 2	13 23.78	−21 27.8	2.347	3.109	13.5	21.1
3 12	13 19.86	−21 18.0	2.242	3.097	11.0	20.9
3 22	13 14.10	−20 49.6	2.159	3.085	8.2	20.7
4 1	13 7.01	−20 2.9	2.102	3.073	5.3	20.5
4 11	12 59.36	−19 0.4	2.073	3.061	3.8	20.4
4 21	12 51.97	−17 47.2	2.071	3.048	5.4	20.4
5 1	12 45.63	−16 29.7	2.098	3.036	8.4	20.6
5 11	12 40.96	−15 14.8	2.149	3.023	11.4	20.8

206583 2003 WA_{10} 4 6.6 217°.28 3°.5/10.5 18

3 2	13 26.23	−20 7.4	2.461	3.222	12.9	20.9
3 12	13 21.59	−20 7.7	2.359	3.215	10.5	20.7
3 22	13 15.13	−19 51.7	2.280	3.208	7.7	20.5
4 1	13 7.38	−19 19.7	2.228	3.200	4.9	20.3
4 11	12 59.08	−18 33.8	2.203	3.192	3.5	20.2
4 21	12 51.05	−17 38.4	2.208	3.183	5.2	20.3
5 1	12 44.05	−16 38.9	2.240	3.174	8.1	20.4
5 11	12 38.70	−15 41.3	2.298	3.165	11.0	20.6

448059 2008 FS_{131} 4 6.6 208°.60 0°.3/ 6.1 16

3 2	13 16.49	− 7 33.8	4.566	5.374	6.7	21.6
3 12	13 13.44	− 6 57.4	4.475	5.373	5.0	21.4
3 22	13 9.61	− 6 15.8	4.410	5.371	3.1	21.3
4 1	13 5.27	− 5 31.0	4.375	5.370	1.1	21.1
4 11	13 0.75	− 4 45.2	4.371	5.369	1.1	21.1
4 21	12 56.38	− 4 1.0	4.397	5.368	3.1	21.3
5 1	12 52.47	− 3 20.6	4.452	5.366	5.0	21.4
5 11	12 49.29	− 2 46.0	4.534	5.365	6.7	21.5

502300 2015 BK_{147} 4 6.6 31°.97 1°.2/ 7.7 17

3 2	13 26.87	−11 26.3	1.835	2.649	14.7	21.5
3 12	13 22.46	−11 19.7	1.754	2.650	11.4	21.2
3 22	13 15.84	−10 58.9	1.694	2.652	7.5	21.0
4 1	13 7.67	−10 26.3	1.661	2.653	3.3	20.7
4 11	12 58.92	− 9 46.1	1.655	2.654	1.9	20.6
4 21	12 50.59	− 9 4.1	1.676	2.656	6.1	20.9
5 1	12 43.65	− 8 26.1	1.723	2.657	10.1	21.2
5 11	12 38.77	− 7 57.3	1.794	2.659	13.7	21.4

508528 2016 RQ_{11} 4 6.6 237°.67 6°.1/28.6 18

3 2	13 23.22	+13 3.6	2.711	3.548	9.8	21.6
3 12	13 19.06	+14 27.4	2.637	3.537	7.9	21.4
3 22	13 13.40	+15 48.5	2.589	3.525	6.5	21.3
4 1	13 6.72	+17 0.6	2.568	3.513	6.2	21.3
4 11	12 59.65	+17 58.0	2.576	3.501	7.4	21.3
4 21	12 52.85	+18 37.0	2.611	3.488	9.3	21.4
5 1	12 46.93	+18 55.5	2.669	3.475	11.4	21.5
5 11	12 42.38	+18 54.0	2.747	3.461	13.3	21.7

49217 1998 SJ_{124} 4 6.6 249°.25 1°.0/ 5.9 18

3 2	13 29.77	− 5 35.4	1.855	2.680	14.1	19.8
3 12	13 24.75	− 5 18.5	1.761	2.667	10.8	19.5
3 22	13 17.38	− 4 51.8	1.690	2.654	6.8	19.3
4 1	13 8.28	− 4 18.6	1.645	2.640	2.5	19.0
4 11	12 58.42	− 3 44.1	1.628	2.626	2.6	18.9
4 21	12 48.87	− 3 13.6	1.640	2.612	7.1	19.2
5 1	12 40.66	− 2 52.3	1.677	2.597	11.3	19.4
5 11	12 34.58	− 2 43.9	1.737	2.582	15.0	19.6

417259 2005 YM_{258} 4 6.7 88°.34 5°.7/ 1.1 18

3 2	13 27.29	+ 6 39.2	1.879	2.726	13.1	21.6
3 12	13 22.43	+ 7 52.2	1.829	2.743	10.0	21.4
3 22	13 15.59	+ 9 4.6	1.803	2.761	7.1	21.3
4 1	13 7.51	+10 8.8	1.804	2.779	5.7	21.3
4 11	12 59.12	+10 57.8	1.832	2.796	7.0	21.4
4 21	12 51.36	+11 27.1	1.887	2.813	9.7	21.6
5 1	12 45.00	+11 34.9	1.966	2.829	12.6	21.8
5 11	12 40.59	+11 21.9	2.064	2.846	15.2	22.0

369056 2008 CG_{210} 4 6.7 290°.46 8°.5/11.6 17

3 2	13 32.45	−25 1.2	1.717	2.468	18.1	21.2
3 12	13 27.75	−26 16.5	1.602	2.438	15.6	20.9
3 22	13 19.93	−27 13.6	1.505	2.409	12.7	20.6
4 1	13 9.46	−27 46.9	1.431	2.378	9.9	20.4
4 11	12 57.38	−27 52.9	1.382	2.348	8.5	20.2
4 21	12 45.14	−27 32.3	1.358	2.317	9.7	20.2
5 1	12 34.31	−26 50.7	1.358	2.286	12.8	20.3
5 11	12 26.18	−25 57.8	1.380	2.255	16.4	20.4

139819 2001 RG_{27} 4 6.7 178°.70 0°.5/ 5.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 24.52	− 6 51.0	2.979	3.787	9.8	21.8
3 12	13 19.83	− 6 18.9	2.891	3.789	7.4	21.6
3 22	13 13.79	− 5 39.4	2.829	3.790	4.6	21.5
4 1	13 6.85	− 4 55.2	2.796	3.791	1.6	21.2
4 11	12 59.59	− 4 10.0	2.793	3.791	1.7	21.2
4 21	12 52.60	− 3 27.4	2.821	3.791	4.6	21.4
5 1	12 46.42	− 2 51.0	2.877	3.790	7.4	21.6
5 11	12 41.51	− 2 23.4	2.959	3.788	9.9	21.8

57970 2002 NT_{13} 4 6.7 78°.47 0°.8/ 5.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 24.78	− 7 0.8	1.998	2.825	13.2	19.5
3 12	13 20.65	− 6 24.5	1.919	2.827	10.0	19.3
3 22	13 14.58	− 5 37.2	1.864	2.829	6.2	19.1
4 1	13 7.19	− 4 43.0	1.835	2.831	2.2	18.8
4 11	12 59.34	− 3 47.6	1.835	2.833	2.3	18.8
4 21	12 51.89	− 2 56.7	1.863	2.835	6.3	19.1
5 1	12 45.67	− 2 15.7	1.917	2.837	10.1	19.3
5 11	12 41.27	− 1 48.2	1.994	2.839	13.3	19.5

346210 2007 YY_{8} 4 6.7 34°.14 6°.3/30.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 26.19	+11 36.3	2.226	3.066	11.5	20.5
3 12	13 21.47	+12 31.4	2.162	3.067	9.1	20.3
3 22	13 14.97	+13 22.4	2.122	3.069	7.0	20.2
4 1	13 7.31	+14 3.2	2.110	3.070	6.3	20.1
4 11	12 59.27	+14 28.2	2.125	3.071	7.4	20.2
4 21	12 51.68	+14 34.4	2.165	3.072	9.6	20.3
5 1	12 45.26	+14 20.5	2.230	3.073	12.1	20.5
5 11	12 40.54	+13 47.7	2.316	3.074	14.4	20.7

365245 2009 MW_{9} 4 6.7 243°.32 0°.2/ 6.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 27.03	− 8 26.0	1.824	2.648	14.4	21.6
3 12	13 22.65	− 7 58.1	1.736	2.640	11.0	21.4
3 22	13 16.02	− 7 16.9	1.670	2.633	7.0	21.1
4 1	13 7.78	− 6 25.9	1.630	2.625	2.5	20.8
4 11	12 58.87	− 5 30.9	1.618	2.617	2.2	20.8
4 21	12 50.33	− 4 38.3	1.634	2.609	6.7	21.1
5 1	12 43.15	− 3 54.5	1.676	2.601	11.0	21.3
5 11	12 38.03	− 3 24.1	1.739	2.592	14.6	21.5

112752 2002 PA_{135} 4 6.7 244°.72 1°.1/ 7.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 29.95	−10 39.8	1.808	2.620	15.0	20.4
3 12	13 24.99	−10 38.9	1.713	2.609	11.7	20.2
3 22	13 17.60	−10 24.5	1.641	2.599	7.7	19.9
4 1	13 8.39	− 9 58.4	1.595	2.587	3.3	19.6
4 11	12 58.38	− 9 24.5	1.576	2.576	2.0	19.5
4 21	12 48.69	− 8 48.3	1.585	2.564	6.5	19.7
5 1	12 40.40	− 8 15.6	1.620	2.552	10.9	20.0
5 11	12 34.32	− 7 52.0	1.678	2.539	14.7	20.2

113753 2002 TP_{167} 4 6.7 192°.14 5°.0/12.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 25.91	−25 35.2	2.513	3.243	13.5	19.3
3 12	13 21.37	−25 43.1	2.415	3.242	11.3	19.2
3 22	13 15.01	−25 32.2	2.339	3.240	8.8	19.0
4 1	13 7.37	−25 2.0	2.287	3.238	6.5	18.8
4 11	12 59.21	−24 14.1	2.263	3.236	5.1	18.7
4 21	12 51.36	−23 12.3	2.267	3.233	5.8	18.8
5 1	12 44.58	−22 2.5	2.299	3.231	8.1	18.9
5 11	12 39.47	−20 51.2	2.356	3.227	10.6	19.1

171173 2005 GT_{168} 4 6.7 251°.11 0°.5/ 6.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 25.24	− 7 0.0	2.224	3.044	12.3	20.9
3 12	13 20.88	− 6 35.6	2.134	3.038	9.3	20.7
3 22	13 14.71	− 6 1.5	2.068	3.031	5.8	20.4
4 1	13 7.26	− 5 20.9	2.030	3.025	2.1	20.2
4 11	12 59.30	− 4 38.4	2.020	3.018	2.0	20.2
4 21	12 51.65	− 3 58.7	2.039	3.012	5.8	20.4
5 1	12 45.09	− 3 26.5	2.084	3.005	9.4	20.6
5 11	12 40.21	− 3 5.3	2.154	2.998	12.5	20.8

102196 1999 SC_{11} 4 6.7 50°.06 6°.9/ 2.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 32.73	+ 8 43.2	1.454	2.304	16.0	18.5
3 12	13 27.18	+ 9 22.7	1.395	2.310	12.4	18.3
3 22	13 18.90	+ 9 58.7	1.359	2.317	8.9	18.1
4 1	13 8.80	+10 22.8	1.347	2.323	6.9	18.0
4 11	12 58.17	+10 27.9	1.361	2.330	8.2	18.1
4 21	12 48.34	+10 10.4	1.400	2.337	11.5	18.3
5 1	12 40.42	+ 9 30.0	1.461	2.344	15.1	18.5
5 11	12 35.12	+ 8 29.1	1.542	2.351	18.3	18.7

371302 2006 FS_{4} 4 6.7 68°.44 0°.5/ 6.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 30.32	− 5 48.6	1.805	2.630	14.5	20.4
3 12	13 24.90	− 5 46.7	1.739	2.645	10.9	20.2
3 22	13 17.27	− 5 36.0	1.697	2.660	6.8	20.0
4 1	13 8.18	− 5 19.7	1.680	2.675	2.4	19.7
4 11	12 58.66	− 5 2.2	1.692	2.691	2.2	19.7
4 21	12 49.73	− 4 47.8	1.732	2.706	6.5	20.0
5 1	12 42.32	− 4 40.6	1.797	2.721	10.4	20.3
5 11	12 37.05	− 4 43.3	1.886	2.737	13.8	20.6

314778 2006 SF_{397} 4 6.7 288°.00 1°.8/ 5.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 25.52	− 5 32.2	1.577	2.419	15.4	21.3
3 12	13 21.86	− 4 44.9	1.490	2.406	11.7	21.0
3 22	13 15.71	− 3 43.6	1.424	2.393	7.3	20.7
4 1	13 7.72	− 2 33.8	1.384	2.379	2.8	20.4
4 11	12 58.94	− 1 23.5	1.370	2.366	3.6	20.4
4 21	12 50.52	− 0 21.0	1.383	2.353	8.3	20.6
5 1	12 43.59	+ 0 26.3	1.419	2.340	12.9	20.9
5 11	12 38.97	+ 0 53.9	1.477	2.327	16.9	21.1

391728 2008 CZ_{144} 4 6.7 219°.12 3°.1/10.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 25.25	−18 51.4	2.657	3.422	12.0	21.5
3 12	13 20.72	−18 57.7	2.558	3.417	9.7	21.3
3 22	13 14.53	−18 50.0	2.482	3.412	7.0	21.2
4 1	13 7.19	−18 28.7	2.433	3.407	4.4	21.0
4 11	12 59.37	−17 55.9	2.412	3.402	3.1	20.9
4 21	12 51.79	−17 15.0	2.421	3.397	4.8	21.0
5 1	12 45.16	−16 30.5	2.457	3.391	7.5	21.1
5 11	12 40.01	−15 47.5	2.519	3.385	10.2	21.3

267176 2000 OO 4 6.7 252°.84 5°.9/12.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 29.77	−24 58.6	2.247	2.982	14.8	20.4
3 12	13 24.74	−25 28.5	2.132	2.962	12.5	20.1
3 22	13 17.43	−25 39.6	2.038	2.941	9.9	19.9
4 1	13 8.36	−25 29.7	1.969	2.920	7.3	19.7
4 11	12 58.41	−24 58.9	1.926	2.898	5.9	19.6
4 21	12 48.58	−24 10.2	1.911	2.876	6.9	19.6
5 1	12 39.90	−23 9.5	1.923	2.853	9.5	19.7
5 11	12 33.19	−22 4.3	1.960	2.829	12.6	19.9

452615 2005 QM_{123} 4 6.7 147°.15 0°.4/ 6.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 29.54	− 8 58.9	1.465	2.296	16.9	21.9
3 12	13 24.91	− 8 22.1	1.392	2.301	12.9	21.7
3 22	13 17.59	− 7 28.6	1.341	2.306	8.2	21.4
4 1	13 8.37	− 6 23.1	1.315	2.310	2.9	21.1
4 11	12 58.49	− 5 13.6	1.315	2.314	2.5	21.1
4 21	12 49.22	− 4 8.5	1.341	2.317	7.8	21.4
5 1	12 41.74	− 3 15.8	1.392	2.321	12.5	21.7
5 11	12 36.80	− 2 40.7	1.465	2.323	16.6	21.9

62916 2000 VW_{3} 4 6.7 288°.04 0°.0/ 6.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 26.58	− 8 19.1	1.794	2.620	14.5	19.6
3 12	13 22.45	− 8 2.7	1.699	2.604	11.2	19.3
3 22	13 16.00	− 7 33.5	1.626	2.589	7.1	19.0
4 1	13 7.82	− 6 54.6	1.578	2.573	2.6	18.7
4 11	12 58.87	− 6 11.0	1.558	2.558	2.1	18.6
4 21	12 50.21	− 5 28.7	1.565	2.542	6.8	18.9
5 1	12 42.87	− 4 53.8	1.598	2.527	11.2	19.1
5 11	12 37.63	− 4 31.1	1.653	2.512	15.0	19.3

10764 Rübezahl 4 6.7 193°.14 4°.4/ 1.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 24.76	+ 6 37.4	2.558	3.395	10.3	18.7
3 12	13 20.21	+ 7 34.1	2.484	3.394	7.9	18.5
3 22	13 14.13	+ 8 31.0	2.436	3.392	5.6	18.3
4 1	13 7.02	+ 9 22.8	2.416	3.390	4.4	18.3
4 11	12 59.55	+10 4.5	2.425	3.388	5.5	18.3
4 21	12 52.42	+10 32.3	2.462	3.386	7.8	18.5
5 1	12 46.25	+10 44.0	2.524	3.383	10.3	18.6
5 11	12 41.53	+10 39.1	2.608	3.380	12.6	18.8

326077 2011 AA_{75} 4 6.7 40°.61 3°.2/10.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 24.36	−19 0.4	2.810	3.573	11.5	20.3
3 12	13 19.89	−19 20.1	2.726	3.582	9.3	20.2
3 22	13 13.93	−19 27.2	2.664	3.591	6.8	20.0
4 1	13 6.96	−19 22.0	2.629	3.601	4.4	19.9
4 11	12 59.60	−19 5.9	2.623	3.610	3.2	19.8
4 21	12 52.54	−18 42.0	2.646	3.620	4.6	19.9
5 1	12 46.38	−18 13.9	2.696	3.630	6.9	20.1
5 11	12 41.62	−17 45.8	2.773	3.640	9.3	20.2

329772 2004 JQ_{34} 4 6.7 335°.00 12°.8/28.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 31.21	+21 26.4	1.378	2.224	17.0	20.0
3 12	13 26.47	+22 38.9	1.319	2.212	14.7	19.8
3 22	13 18.70	+23 35.5	1.281	2.201	13.1	19.7
4 1	13 8.81	+24 4.0	1.264	2.190	12.9	19.7
4 11	12 58.20	+23 55.6	1.269	2.181	14.3	19.7
4 21	12 48.36	+23 7.6	1.295	2.172	16.8	19.8
5 1	12 40.57	+21 42.6	1.340	2.164	19.6	20.0
5 11	12 35.61	+19 47.5	1.401	2.157	22.2	20.2

471414 2011 SG_{275} 4 6.7 241°.83 2°.2/ 8.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 28.90	−13 37.4	2.430	3.216	12.4	21.1
3 12	13 23.59	−13 58.7	2.333	3.211	9.8	20.9
3 22	13 16.43	−14 9.2	2.260	3.206	6.7	20.7
4 1	13 7.93	−14 9.3	2.215	3.200	3.6	20.5
4 11	12 58.86	−14 0.8	2.198	3.195	2.3	20.4
4 21	12 50.04	−13 46.6	2.211	3.189	5.0	20.6
5 1	12 42.27	−13 30.7	2.252	3.183	8.3	20.8
5 11	12 36.17	−13 17.1	2.318	3.177	11.2	20.9

11894 1991 *GW* 4 6.7 348°.07 3°.4/ 4.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 27.73	+ 0 3.4	1.084	1.954	18.8	16.8
3 12	13 24.46	+ 0 3.2	1.014	1.944	14.4	16.5
3 22	13 17.80	+ 0 8.3	0.963	1.935	9.2	16.2
4 1	13 8.60	+ 0 12.7	0.933	1.928	4.2	15.9
4 11	12 58.34	+ 0 9.3	0.927	1.922	5.1	15.9
4 21	12 48.70	− 0 7.4	0.943	1.918	10.5	16.2
5 1	12 41.25	− 0 41.1	0.981	1.915	15.8	16.4
5 11	12 36.97	− 1 32.4	1.036	1.913	20.4	16.7

109094 2001 QX_{31} 4 6.7 178°.49 2°.2/ 4.2 18

3 2	13 28.30	− 1 34.6	2.535	3.355	10.9	20.9
3 12	13 22.88	− 0 52.4	2.453	3.358	8.2	20.7
3 22	13 15.82	− 0 4.6	2.396	3.360	5.1	20.6
4 1	13 7.66	+ 0 44.4	2.369	3.361	2.5	20.4
4 11	12 59.11	+ 1 30.1	2.372	3.361	3.2	20.4
4 21	12 50.90	+ 2 8.0	2.404	3.360	6.2	20.6
5 1	12 43.72	+ 2 34.8	2.464	3.359	9.3	20.8
5 11	12 38.09	+ 2 48.6	2.548	3.356	11.9	21.0

472395 2015 BZ_{146} 4 6.7 278°.09 1°.9/ 4.9 17

3 2	13 26.41	− 3 53.7	1.893	2.727	13.5	21.3
3 12	13 22.21	− 3 16.2	1.796	2.708	10.3	21.1
3 22	13 15.80	− 2 28.6	1.722	2.688	6.4	20.8
4 1	13 7.76	− 1 35.6	1.674	2.668	2.6	20.5
4 11	12 58.98	− 0 43.3	1.654	2.648	3.4	20.5
4 21	12 50.45	+ 0 1.9	1.661	2.628	7.6	20.7
5 1	12 43.15	+ 0 34.4	1.695	2.608	11.6	20.9
5 11	12 37.83	+ 0 50.8	1.749	2.587	15.2	21.1

170280 2003 QY_{104} 4 6.7 116°.97 6°.3/ 1.5 18

3 2	13 33.02	+ 8 47.1	1.771	2.611	14.1	19.9
3 12	13 26.87	+ 9 41.5	1.718	2.626	10.9	19.8
3 22	13 18.46	+10 32.9	1.688	2.641	7.9	19.6
4 1	13 8.62	+11 13.8	1.684	2.656	6.3	19.5
4 11	12 58.43	+11 37.7	1.708	2.670	7.6	19.6
4 21	12 48.97	+11 40.9	1.759	2.684	10.4	19.8
5 1	12 41.15	+11 22.6	1.833	2.697	13.4	20.0
5 11	12 35.57	+10 44.5	1.928	2.709	16.1	20.3

222590 2001 WE_{68} 4 6.7 291°.35 3°.0/ 4.3 17

3 2	13 28.48	− 0 32.4	1.687	2.529	14.5	20.3
3 12	13 23.93	− 0 4.4	1.602	2.518	11.0	20.0
3 22	13 16.94	+ 0 30.0	1.540	2.507	7.0	19.8
4 1	13 8.18	+ 1 5.5	1.503	2.496	3.4	19.5
4 11	12 58.68	+ 1 35.6	1.494	2.485	4.4	19.5
4 21	12 49.57	+ 1 54.8	1.511	2.474	8.5	19.7
5 1	12 41.93	+ 1 58.9	1.553	2.463	12.7	20.0
5 11	12 36.53	+ 1 45.8	1.615	2.452	16.3	20.2

83411 2001 SE_{38} 4 6.7 85°.89 1°.5/ 5.2 18

3 2	13 27.33	− 3 5.1	2.224	3.050	12.1	19.5
3 12	13 22.32	− 2 48.7	2.151	3.059	9.0	19.3
3 22	13 15.53	− 2 26.6	2.103	3.067	5.6	19.1
4 1	13 7.56	− 2 2.0	2.081	3.076	2.2	18.9
4 11	12 59.20	− 1 39.3	2.089	3.085	2.7	18.9
4 21	12 51.28	− 1 22.2	2.126	3.093	6.1	19.2
5 1	12 44.52	− 1 13.9	2.189	3.102	9.4	19.4
5 11	12 39.46	− 1 16.3	2.276	3.110	12.3	19.6

348420 2005 NT_{57} 4 6.7 330°.44 4°.6/ 1.4 17

3 2	13 23.02	+ 4 29.9	2.171	3.017	11.6	20.6
3 12	13 19.18	+ 5 38.2	2.099	3.015	8.8	20.4
3 22	13 13.61	+ 6 48.9	2.051	3.013	6.0	20.2
4 1	13 6.87	+ 7 55.7	2.031	3.011	4.6	20.1
4 11	12 59.72	+ 8 52.1	2.039	3.009	5.8	20.2
4 21	12 52.93	+ 9 33.1	2.074	3.007	8.6	20.4
5 1	12 47.24	+ 9 55.6	2.134	3.006	11.4	20.5
5 11	12 43.18	+ 9 58.7	2.215	3.004	14.0	20.7

286674 2002 EA_{142} 4 6.7 32°.31 0°.3/ 6.9 18

3 2	13 28.58	− 9 2.8	1.363	2.200	17.6	20.8
3 12	13 24.40	− 8 53.8	1.293	2.203	13.5	20.6
3 22	13 17.38	− 8 29.1	1.243	2.207	8.7	20.3
4 1	13 8.35	− 7 52.2	1.216	2.211	3.3	20.0
4 11	12 58.58	− 7 9.4	1.216	2.216	2.3	19.9
4 21	12 49.45	− 6 28.3	1.240	2.220	7.7	20.2
5 1	12 42.18	− 5 55.8	1.289	2.225	12.6	20.5
5 11	12 37.58	− 5 37.5	1.358	2.230	16.8	20.8

372881 2010 XF_{68} 4 6.7 54°.19 0°.6/ 7.1 18

3 2	13 28.95	− 9 15.4	1.629	2.453	15.8	20.4
3 12	13 24.26	− 9 12.5	1.554	2.457	12.1	20.1
3 22	13 17.10	− 8 56.4	1.500	2.462	7.8	19.9
4 1	13 8.21	− 8 29.8	1.472	2.466	3.1	19.6
4 11	12 58.69	− 7 57.4	1.471	2.471	2.0	19.5
4 21	12 49.71	− 7 25.3	1.497	2.476	6.8	19.9
5 1	12 42.31	− 6 59.1	1.548	2.481	11.2	20.1
5 11	12 37.25	− 6 43.5	1.621	2.486	14.9	20.4

185234 2006 TH_{110} 4 6.7 123°.60 1°.1/ 7.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 24.85	−11 56.9	2.406	3.207	12.1	21.2
3 12	13 20.44	−11 44.9	2.321	3.211	9.3	21.0
3 22	13 14.36	−11 21.3	2.260	3.214	6.1	20.8
4 1	13 7.15	−10 48.2	2.226	3.217	2.7	20.6
4 11	12 59.51	−10 9.1	2.221	3.221	1.6	20.5
4 21	12 52.22	− 9 28.3	2.245	3.224	4.9	20.7
5 1	12 45.95	− 8 50.3	2.297	3.227	8.2	20.9
5 11	12 41.25	− 8 19.3	2.373	3.230	11.1	21.1

190146 2005 SH_{174} 4 6.7 163°.05 0°.7/ 7.3 18

3 2	13 29.00	−12 32.2	1.596	2.412	16.5	21.2
3 12	13 24.36	−11 49.8	1.519	2.417	12.7	21.0
3 22	13 17.19	−10 47.6	1.462	2.421	8.3	20.7
4 1	13 8.26	− 9 29.6	1.431	2.425	3.4	20.4
4 11	12 58.68	− 8 3.1	1.428	2.428	2.0	20.3
4 21	12 49.67	− 6 37.4	1.451	2.430	7.0	20.7
5 1	12 42.30	− 5 21.2	1.501	2.432	11.6	20.9
5 11	12 37.32	− 4 21.4	1.573	2.433	15.5	21.2

289933 2005 NS_{33} 4 6.7 302°.77 1°.3/ 5.4 17

3 2	13 23.81	− 5 12.9	2.075	2.906	12.6	21.1
3 12	13 20.00	− 4 39.8	1.982	2.893	9.5	20.9
3 22	13 14.26	− 3 57.0	1.914	2.880	6.0	20.7
4 1	13 7.16	− 3 8.6	1.872	2.867	2.2	20.4
4 11	12 59.49	− 2 19.9	1.858	2.854	2.7	20.4
4 21	12 52.11	− 1 36.4	1.872	2.842	6.5	20.6
5 1	12 45.83	− 1 3.0	1.912	2.830	10.3	20.8
5 11	12 41.30	− 0 43.2	1.975	2.817	13.6	21.0

237689 2001 TR_{175} 4 6.7 189°.14 0°.8/ 7.6 18

3 2	13 23.56	−12 22.8	2.531	3.330	11.6	21.2
3 12	13 19.42	−11 48.2	2.441	3.330	8.9	21.1
3 22	13 13.70	−11 1.0	2.374	3.329	5.8	20.9
4 1	13 6.91	−10 3.8	2.336	3.328	2.5	20.6
4 11	12 59.72	− 9 0.8	2.326	3.326	1.4	20.5
4 21	12 52.82	− 7 57.1	2.347	3.324	4.8	20.8
5 1	12 46.89	− 6 57.9	2.395	3.322	8.0	21.0
5 11	12 42.42	− 6 7.4	2.468	3.320	10.9	21.1

102629 1999 VQ_{28} 4 6.7 150°.47 0°.5/ 7.2 18

3 2	13 29.10	−11 2.5	2.059	2.863	13.7	19.9
3 12	13 23.84	−10 32.8	1.980	2.873	10.5	19.7
3 22	13 16.58	− 9 49.4	1.925	2.882	6.8	19.5
4 1	13 7.98	− 8 55.5	1.898	2.891	2.7	19.3
4 11	12 58.92	− 7 56.3	1.899	2.899	1.7	19.2
4 21	12 50.33	− 6 57.6	1.929	2.906	5.8	19.5
5 1	12 43.04	− 6 5.4	1.987	2.912	9.5	19.7
5 11	12 37.67	− 5 24.3	2.069	2.918	12.8	20.0

9863 Reichardt 4 6.7 331°.32 3°.3/ 8.9 18

3 2	13 25.62	−14 51.8	1.211	2.043	19.7	17.4
3 12	13 22.75	−15 4.3	1.130	2.034	15.7	17.1
3 22	13 16.71	−14 53.9	1.068	2.025	10.9	16.8
4 1	13 8.23	−14 21.0	1.028	2.017	5.8	16.4
4 11	12 58.66	−13 30.0	1.011	2.009	3.6	16.3
4 21	12 49.55	−12 29.4	1.017	2.002	8.0	16.5
5 1	12 42.42	−11 29.6	1.046	1.996	13.4	16.8
5 11	12 38.27	−10 40.5	1.094	1.990	18.2	17.0

256067 2006 UF_{158} 4 6.7 115°.08 2°.6/ 4.8 18

3 2	13 31.66	− 0 56.7	1.683	2.519	14.8	20.8
3 12	13 26.16	− 0 40.0	1.611	2.524	11.2	20.5
3 22	13 18.23	− 0 17.7	1.562	2.528	7.0	20.3
4 1	13 8.62	+ 0 5.3	1.539	2.533	3.2	20.1
4 11	12 58.44	+ 0 23.6	1.544	2.537	4.0	20.1
4 21	12 48.83	+ 0 32.3	1.576	2.541	8.0	20.4
5 1	12 40.83	+ 0 28.2	1.633	2.545	12.1	20.6
5 11	12 35.14	+ 0 9.7	1.712	2.549	15.6	20.9

294936 2008 DA_{54} 4 6.7 249°.99 5°.6/12.2 16

3 2	13 29.54	−24 45.7	2.594	3.320	13.2	20.6
3 12	13 24.18	−25 34.2	2.493	3.315	11.1	20.5
3 22	13 16.88	−26 7.5	2.413	3.309	8.9	20.3
4 1	13 8.15	−26 23.6	2.359	3.304	6.7	20.2
4 11	12 58.74	−26 22.5	2.333	3.298	5.6	20.1
4 21	12 49.53	−26 6.1	2.335	3.292	6.3	20.1
5 1	12 41.34	−25 38.5	2.364	3.286	8.3	20.2
5 11	12 34.86	−25 5.1	2.419	3.281	10.7	20.4

454109 2013 CT_{30} 4 6.7 179°.79 4°.3/ 3.1 18

3 2	13 30.64	+ 0 58.3	1.640	2.482	14.9	21.7
3 12	13 25.47	+ 1 59.2	1.568	2.484	11.2	21.4
3 22	13 17.84	+ 3 6.7	1.519	2.484	7.3	21.2
4 1	13 8.49	+ 4 13.2	1.496	2.485	4.4	21.0
4 11	12 58.54	+ 5 10.3	1.501	2.485	5.7	21.1
4 21	12 49.14	+ 5 51.3	1.533	2.484	9.6	21.3
5 1	12 41.36	+ 6 11.8	1.589	2.482	13.5	21.6
5 11	12 35.90	+ 6 10.7	1.665	2.480	16.9	21.8

16494 Oka 4 6.7 31.°88 3.°6/ 2.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 22.71	+ 0 45.6	2.121	2.965	11.9	17.7
3 12	13 18.98	+ 1 55.3	2.049	2.966	8.9	17.5
3 22	13 13.50	+ 3 10.5	2.002	2.968	5.8	17.3
4 1	13 6.85	+ 4 24.9	1.982	2.970	3.6	17.2
4 11	12 59.79	+ 5 31.8	1.991	2.972	4.9	17.3
4 21	12 53.13	+ 6 25.6	2.027	2.974	7.9	17.5
5 1	12 47.58	+ 7 2.2	2.089	2.976	11.0	17.7
5 11	12 43.67	+ 7 20.1	2.172	2.978	13.8	17.8

245994 2006 SS_{281} 4 6.7 118.°75 2.°4/ 3.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 22.53	− 2 24.5	2.456	3.288	10.9	20.8
3 12	13 18.58	− 1 11.3	2.385	3.297	8.1	20.6
3 22	13 13.12	+ 0 8.9	2.339	3.306	5.0	20.5
4 1	13 6.68	+ 1 30.6	2.323	3.314	2.6	20.3
4 11	12 59.94	+ 2 47.9	2.336	3.323	3.6	20.4
4 21	12 53.55	+ 3 55.4	2.378	3.331	6.5	20.6
5 1	12 48.14	+ 4 48.8	2.447	3.339	9.4	20.8
5 11	12 44.17	+ 5 26.1	2.540	3.347	11.9	21.0

500622 2012 UM_{153} 4 6.7 141.°65 0.°2/ 6.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 23.98	−10 5.4	2.597	3.403	11.1	22.2
3 12	13 19.63	− 9 30.9	2.516	3.410	8.5	22.1
3 22	13 13.78	− 8 45.9	2.459	3.418	5.4	21.9
4 1	13 6.93	− 7 53.3	2.431	3.425	2.0	21.6
4 11	12 59.75	− 6 57.4	2.432	3.432	1.4	21.6
4 21	12 52.90	− 6 2.8	2.463	3.438	4.8	21.8
5 1	12 47.01	− 5 13.9	2.522	3.444	7.9	22.1
5 11	12 42.54	− 4 34.3	2.605	3.450	10.6	22.2

40350 1999 NO_{11} 4 6.7 249.°95 4.°1/ 9.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 29.33	−18 17.7	1.743	2.530	16.5	19.7
3 12	13 24.77	−18 32.2	1.646	2.519	13.4	19.5
3 22	13 17.62	−18 27.2	1.569	2.507	9.7	19.2
4 1	13 8.51	−18 1.9	1.516	2.495	5.9	19.0
4 11	12 58.48	−17 18.8	1.490	2.483	4.1	18.8
4 21	12 48.74	−16 23.3	1.491	2.470	6.8	18.9
5 1	12 40.48	−15 23.1	1.518	2.457	10.8	19.1
5 11	12 34.57	−14 26.5	1.568	2.444	14.7	19.3

337822 2001 VR_{23} 4 6.7 146.°02 3.°9/ 2.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 27.70	+ 5 59.4	2.583	3.413	10.4	20.5
3 12	13 22.36	+ 6 32.4	2.512	3.419	7.9	20.3
3 22	13 15.45	+ 7 5.0	2.468	3.425	5.4	20.2
4 1	13 7.54	+ 7 32.7	2.452	3.431	3.9	20.1
4 11	12 59.31	+ 7 51.5	2.465	3.436	4.9	20.2
4 21	12 51.46	+ 7 58.4	2.507	3.441	7.2	20.3
5 1	12 44.65	+ 7 51.8	2.575	3.446	9.8	20.5
5 11	12 39.34	+ 7 31.6	2.667	3.451	12.0	20.6

138720 2000 SV_{156} 4 6.7 148.°93 3.°0/11.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 23.30	−21 55.7	2.748	3.499	12.0	20.2
3 12	13 19.12	−21 18.5	2.656	3.505	9.7	20.1
3 22	13 13.46	−20 24.0	2.588	3.512	7.1	19.9
4 1	13 6.82	−19 13.4	2.546	3.517	4.5	19.8
4 11	12 59.85	−17 50.6	2.533	3.523	3.0	19.7
4 21	12 53.22	−16 20.7	2.551	3.528	4.5	19.8
5 1	12 47.54	−14 49.7	2.598	3.533	7.1	19.9
5 11	12 43.27	−13 23.6	2.671	3.538	9.7	20.1

341801 2007 XQ_{27} 4 6.7 86.°61 0.°9/ 5.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 25.40	− 6 5.5	2.296	3.117	11.9	21.1
3 12	13 20.79	− 5 34.4	2.229	3.134	8.9	20.9
3 22	13 14.53	− 4 55.0	2.186	3.150	5.5	20.7
4 1	13 7.21	− 4 11.1	2.171	3.167	2.0	20.5
4 11	12 59.58	− 3 27.1	2.185	3.183	2.1	20.6
4 21	12 52.39	− 2 47.8	2.228	3.199	5.6	20.8
5 1	12 46.32	− 2 17.0	2.298	3.215	8.8	21.0
5 11	12 41.85	− 1 57.4	2.392	3.230	11.6	21.3

87715 2000 SM_{36} 4 6.7 323.°13 0.°5/ 6.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 36.14	− 4 1.0	1.817	2.634	14.7	19.2
3 12	13 29.54	− 4 29.2	1.733	2.634	11.2	19.0
3 22	13 20.42	− 4 52.2	1.672	2.634	7.1	18.7
4 1	13 9.48	− 5 11.7	1.638	2.633	2.6	18.5
4 11	12 57.82	− 5 30.3	1.634	2.633	2.2	18.4
4 21	12 46.63	− 5 50.7	1.659	2.633	6.8	18.7
5 1	12 37.01	− 6 15.5	1.710	2.632	11.0	19.0
5 11	12 29.74	− 6 46.9	1.786	2.632	14.6	19.2

501481 2014 BW_{62} 4 6.7 127.°08 2.°9/ 3.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 23.38	− 0 57.5	2.259	3.096	11.5	21.6
3 12	13 19.36	+ 0 11.9	2.188	3.102	8.6	21.4
3 22	13 13.69	+ 1 27.7	2.141	3.107	5.4	21.3
4 1	13 6.93	+ 2 44.1	2.123	3.113	3.1	21.1
4 11	12 59.80	+ 3 54.9	2.134	3.118	4.2	21.2
4 21	12 53.06	+ 4 54.3	2.173	3.123	7.2	21.4
5 1	12 47.38	+ 5 38.4	2.238	3.128	10.2	21.6
5 11	12 43.28	+ 6 5.1	2.325	3.133	12.9	21.8

114599 2003 CG_9 4 6.7 78.°54 3.°3/ 9.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 34.37	−15 29.8	2.285	3.057	13.5	18.7
3 12	13 27.74	−16 18.6	2.206	3.071	10.8	18.5
3 22	13 19.05	−16 55.6	2.150	3.085	7.6	18.4
4 1	13 8.93	−17 19.9	2.121	3.099	4.6	18.2
4 11	12 58.28	−17 32.5	2.123	3.113	3.4	18.1
4 21	12 48.04	−17 35.6	2.154	3.128	5.5	18.3
5 1	12 39.11	−17 32.9	2.213	3.142	8.5	18.5
5 11	12 32.10	−17 29.1	2.298	3.156	11.4	18.7

129928 1999 TN_{131} 4 6.7 81.°54 0.°6/ 7.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 25.70	−11 31.2	1.911	2.725	14.2	19.9
3 12	13 21.38	−10 57.3	1.842	2.740	10.9	19.7
3 22	13 15.07	−10 8.7	1.796	2.755	7.0	19.5
4 1	13 7.45	− 9 9.0	1.776	2.769	2.8	19.3
4 11	12 59.42	− 8 4.0	1.784	2.784	1.7	19.2
4 21	12 51.92	− 7 0.3	1.820	2.798	5.8	19.5
5 1	12 45.77	− 6 4.0	1.882	2.812	9.7	19.8
5 11	12 41.52	− 5 20.0	1.968	2.827	13.0	20.0

207973 1996 PT_4 4 6.7 179.°05 12.°9/23.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 28.30	+15 28.6	1.270	2.133	17.0	19.8
3 12	13 24.40	+18 54.2	1.227	2.135	14.4	19.6
3 22	13 17.48	+22 12.6	1.208	2.136	13.0	19.5
4 1	13 8.43	+25 3.7	1.213	2.136	13.6	19.6
4 11	12 58.66	+27 11.8	1.242	2.136	15.9	19.7
4 21	12 49.65	+28 29.4	1.290	2.135	18.9	19.9
5 1	12 42.66	+28 57.0	1.356	2.134	21.7	20.1
5 11	12 38.50	+28 40.9	1.434	2.132	24.1	20.3

369851 2012 JD_{50} 4 6.7 161.°18 2.°7/ 3.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 25.24	− 2 44.8	2.009	2.844	12.8	20.8
3 12	13 20.98	− 1 33.9	1.934	2.848	9.5	20.6
3 22	13 14.82	− 0 14.1	1.884	2.851	6.0	20.4
4 1	13 7.37	+ 1 8.6	1.862	2.854	3.0	20.2
4 11	12 59.47	+ 2 26.7	1.868	2.856	4.1	20.3
4 21	12 52.01	+ 3 33.6	1.902	2.858	7.6	20.5
5 1	12 45.76	+ 4 24.1	1.962	2.860	11.1	20.7
5 11	12 41.32	+ 4 55.8	2.045	2.862	14.1	20.9

38820 2000 RB_{77} 4 6.7 197.°95 3.°3/ 3.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 30.69	− 0 6.9	1.824	2.659	13.9	19.2
3 12	13 25.36	+ 0 34.8	1.744	2.656	10.5	19.0
3 22	13 17.73	+ 1 22.7	1.688	2.654	6.7	18.8
4 1	13 8.48	+ 2 11.1	1.659	2.650	3.5	18.6
4 11	12 58.63	+ 2 53.2	1.658	2.646	4.6	18.6
4 21	12 49.24	+ 3 23.5	1.685	2.642	8.4	18.8
5 1	12 41.29	+ 3 37.9	1.737	2.636	12.2	19.0
5 11	12 35.48	+ 3 34.7	1.811	2.631	15.5	19.2

459611 2013 HV_{62} 4 6.7 155.°12 0.°5/ 7.1 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 31.90	− 9 19.6	1.744	2.559	15.3	22.5
3 12	13 26.37	− 9 12.0	1.666	2.565	11.8	22.3
3 22	13 18.40	− 8 51.4	1.611	2.570	7.6	22.0
4 1	13 8.74	− 8 20.6	1.581	2.575	3.0	21.8
4 11	12 58.46	− 7 44.3	1.580	2.579	2.0	21.7
4 21	12 48.70	− 7 8.3	1.606	2.583	6.6	22.0
5 1	12 40.50	− 6 38.3	1.658	2.586	10.9	22.2
5 11	12 34.60	− 6 18.9	1.734	2.589	14.6	22.5

192760 1999 TH_{289} 4 6.7 149.°43 2.°8/ 3.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 28.35	+ 0 43.4	2.341	3.169	11.5	20.6
3 12	13 23.01	+ 1 18.1	2.268	3.177	8.6	20.4
3 22	13 15.96	+ 1 56.3	2.221	3.184	5.5	20.2
4 1	13 7.77	+ 2 33.7	2.202	3.191	3.0	20.0
4 11	12 59.21	+ 3 5.6	2.212	3.198	3.9	20.1
4 21	12 51.07	+ 3 27.9	2.251	3.204	6.8	20.3
5 1	12 44.06	+ 3 38.0	2.316	3.209	9.8	20.5
5 11	12 38.71	+ 3 34.6	2.405	3.214	12.5	20.7

387019 2012 RO_{34} 4 6.7 191.°45 0.°7/ 7.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 24.79	−11 38.9	2.445	3.246	11.9	21.8
3 12	13 20.41	−11 10.7	2.354	3.245	9.1	21.6
3 22	13 14.38	−10 30.3	2.288	3.244	6.0	21.4
4 1	13 7.21	− 9 40.2	2.250	3.242	2.5	21.2
4 11	12 59.61	− 8 44.5	2.240	3.240	1.5	21.1
4 21	12 52.32	− 7 48.3	2.260	3.237	4.9	21.3
5 1	12 46.02	− 6 56.5	2.308	3.235	8.3	21.5
5 11	12 41.27	− 6 13.3	2.380	3.232	11.2	21.7

432046 2008 WZ_{119} 4 6.7 98.°29 5.°7/ 1.0 15

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 28.12	+ 9 14.2	2.102	2.942	12.1	21.5
3 12	13 22.97	+10 5.8	2.043	2.951	9.4	21.3
3 22	13 15.97	+10 54.7	2.009	2.961	6.9	21.2
4 1	13 7.77	+11 34.5	2.002	2.971	5.7	21.1
4 11	12 59.24	+11 59.8	2.022	2.980	6.9	21.2
4 21	12 51.23	+12 7.1	2.069	2.989	9.3	21.4
5 1	12 44.50	+11 55.3	2.141	2.999	12.0	21.6
5 11	12 39.59	+11 25.4	2.234	3.008	14.4	21.7

219689 2001 WY_{38} 4 6.7 134.°78 1.°9/ 4.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 27.58	− 3 40.5	2.211	3.036	12.2	21.7
3 12	13 22.50	− 2 51.2	2.142	3.049	9.1	21.5
3 22	13 15.66	− 1 54.4	2.098	3.062	5.6	21.3
4 1	13 7.66	− 0 54.7	2.081	3.075	2.4	21.1
4 11	12 59.31	+ 0 2.2	2.094	3.087	3.1	21.2
4 21	12 51.43	+ 0 50.9	2.136	3.098	6.5	21.4
5 1	12 44.74	+ 1 27.6	2.205	3.108	9.8	21.6
5 11	12 39.76	+ 1 49.7	2.297	3.118	12.6	21.8

498641 2008 SZ_{31} 4 6.7 183.°08 2.°8/ 9.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 29.47	−16 17.4	2.365	3.141	13.0	21.3
3 12	13 24.08	−16 31.3	2.272	3.141	10.4	21.1
3 22	13 16.78	−16 31.8	2.203	3.141	7.3	20.9
4 1	13 8.12	−16 19.1	2.160	3.141	4.2	20.7
4 11	12 58.92	−15 55.5	2.146	3.140	2.9	20.6
4 21	12 50.02	−15 24.5	2.162	3.139	5.2	20.8
5 1	12 42.25	−14 50.8	2.205	3.137	8.3	21.0
5 11	12 36.22	−14 19.5	2.273	3.135	11.3	21.2

242211 2003 QB_{90} 4 6.7 260.°47 2.°3/ 4.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 30.75	− 3 16.1	2.192	3.012	12.5	22.9
3 12	13 25.38	− 2 21.4	2.074	2.979	9.5	22.7
3 22	13 17.83	− 1 16.0	1.981	2.945	6.0	22.4
4 1	13 8.60	− 0 4.6	1.916	2.909	2.7	22.1
4 11	12 58.50	+ 1 6.5	1.882	2.873	3.7	22.1
4 21	12 48.46	+ 2 10.6	1.877	2.835	7.6	22.3
5 1	12 39.46	+ 3 1.7	1.899	2.795	11.5	22.4
5 11	12 32.28	+ 3 35.9	1.945	2.754	15.0	22.6

190462 2000 CY_{41} 4 6.7 164.°02 3.°1/ 9.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 31.03	−16 45.5	1.643	2.438	17.0	20.7
3 12	13 25.98	−16 42.6	1.562	2.442	13.5	20.5
3 22	13 18.30	−16 19.0	1.501	2.446	9.5	20.2
4 1	13 8.74	−15 35.7	1.465	2.450	5.2	20.0
4 11	12 58.46	−14 37.2	1.456	2.452	3.3	19.9
4 21	12 48.72	−13 30.3	1.474	2.455	6.7	20.1
5 1	12 40.64	−12 23.9	1.518	2.456	10.9	20.3
5 11	12 35.03	−11 25.7	1.585	2.457	14.8	20.6

110604 2001 TO_{136} 4 6.7 205.°46 5.°2/ 1.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 28.72	+ 6 10.8	2.047	2.886	12.5	20.0
3 12	13 23.62	+ 7 9.9	1.971	2.882	9.5	19.8
3 22	13 16.52	+ 8 9.9	1.920	2.878	6.7	19.6
4 1	13 8.02	+ 9 4.2	1.896	2.873	5.2	19.5
4 11	12 59.02	+ 9 46.3	1.901	2.868	6.4	19.6
4 21	12 50.44	+10 11.3	1.932	2.862	9.3	19.7
5 1	12 43.12	+10 16.6	1.988	2.856	12.3	19.9
5 11	12 37.69	+10 2.3	2.066	2.849	15.1	20.1

49417 1998 XM_{73} 4 6.7 69.°79 1.°6/ 5.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 30.84	− 3 42.7	1.596	2.432	15.5	17.7
3 12	13 25.57	− 3 28.4	1.534	2.446	11.7	17.5
3 22	13 17.85	− 3 5.8	1.494	2.460	7.3	17.3
4 1	13 8.51	− 2 39.4	1.479	2.475	2.8	17.0
4 11	12 58.69	− 2 14.9	1.492	2.489	3.1	17.1
4 21	12 49.56	− 1 57.5	1.532	2.503	7.6	17.4
5 1	12 42.12	− 1 51.2	1.597	2.517	11.7	17.6
5 11	12 37.03	− 1 58.4	1.683	2.532	15.2	17.9

90181 2003 AS_{29} 4 6.7 289.°66 4.°2/10.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 25.70	−20 35.8	2.264	3.029	13.8	19.4
3 12	13 21.40	−20 51.2	2.169	3.025	11.3	19.2
3 22	13 15.17	−20 49.9	2.095	3.021	8.4	19.0
4 1	13 7.55	−20 31.5	2.047	3.017	5.6	18.8
4 11	12 59.35	−19 58.0	2.027	3.013	4.2	18.7
4 21	12 51.44	−19 13.2	2.034	3.009	5.7	18.8
5 1	12 44.64	−18 22.8	2.068	3.005	8.5	19.0
5 11	12 39.62	−17 32.9	2.127	3.001	11.5	19.1

175529 2006 ST_{116} 4 6.7 45.°40 0.°9/ 5.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 27.17	− 5 0.5	1.979	2.806	13.3	20.3
3 12	13 22.38	− 4 51.4	1.914	2.821	10.0	20.1
3 22	13 15.66	− 4 34.6	1.872	2.837	6.2	19.9
4 1	13 7.67	− 4 13.5	1.857	2.853	2.2	19.7
4 11	12 59.32	− 3 52.5	1.871	2.869	2.3	19.7
4 21	12 51.48	− 3 35.7	1.912	2.885	6.2	20.0
5 1	12 44.95	− 3 26.6	1.980	2.902	9.7	20.2
5 11	12 40.30	− 3 27.8	2.071	2.918	12.8	20.5

227460 2005 WF_{104} 4 6.7 221.°82 2.°7/ 3.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 27.47	− 0 54.9	2.267	3.096	11.8	21.2
3 12	13 22.58	− 0 5.9	2.177	3.086	8.9	21.0
3 22	13 15.83	+ 0 49.5	2.111	3.076	5.6	20.8
4 1	13 7.78	+ 1 46.6	2.073	3.064	2.9	20.6
4 11	12 59.20	+ 2 39.5	2.065	3.053	3.9	20.7
4 21	12 50.91	+ 3 23.0	2.086	3.040	7.2	20.8
5 1	12 43.70	+ 3 53.1	2.133	3.027	10.5	21.0
5 11	12 38.18	+ 4 7.5	2.203	3.013	13.4	21.2

61769 2000 QM_{168} 4 6.7 170.°18 1.°3/ 4.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 22.54	− 5 53.0	2.602	3.423	10.7	19.9
3 12	13 18.57	− 4 52.8	2.519	3.425	8.0	19.7
3 22	13 13.15	− 3 43.6	2.462	3.427	4.9	19.5
4 1	13 6.75	− 2 29.6	2.434	3.428	1.9	19.3
4 11	13 0.01	− 1 16.2	2.435	3.430	2.5	19.4
4 21	12 53.57	− 0 8.6	2.466	3.431	5.6	19.6
5 1	12 48.04	+ 0 48.7	2.525	3.431	8.6	19.8
5 11	12 43.89	+ 1 32.7	2.608	3.432	11.2	20.0

135405 2001 TF_{226} 4 6.7 126.°01 4.°2/31.7 18 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 23.79	+ 5 45.3	2.713	3.550	9.8	20.1
3 12	13 19.36	+ 7 3.5	2.655	3.565	7.4	19.9
3 22	13 13.55	+ 8 22.2	2.623	3.579	5.2	19.8
4 1	13 6.87	+ 9 35.9	2.620	3.593	4.2	19.7
4 11	12 59.94	+10 39.3	2.647	3.607	5.3	19.8
4 21	12 53.37	+11 28.4	2.702	3.620	7.5	20.0
5 1	12 47.72	+12 0.8	2.783	3.633	9.8	20.2
5 11	12 43.43	+12 16.2	2.886	3.645	11.8	20.3

412597 2014 OU_{69} 4 6.7 249.°47 0.°7/ 6.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 27.74	− 8 20.1	1.527	2.360	16.3	21.7
3 12	13 23.67	− 7 40.0	1.441	2.351	12.4	21.4
3 22	13 16.95	− 6 43.1	1.377	2.342	7.9	21.1
4 1	13 8.29	− 5 34.3	1.338	2.333	2.8	20.8
4 11	12 58.81	− 4 21.0	1.325	2.324	2.7	20.7
4 21	12 49.74	− 3 12.1	1.339	2.314	7.9	21.0
5 1	12 42.28	− 2 15.8	1.377	2.304	12.7	21.3
5 11	12 37.26	− 1 37.7	1.436	2.294	16.9	21.5

501306 2013 WF_{72} 4 6.7 298.°64 5.°4/ 2.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 28.21	+ 5 45.9	1.762	2.609	13.8	20.6
3 12	13 23.69	+ 6 29.7	1.676	2.592	10.6	20.4
3 22	13 16.82	+ 7 14.9	1.614	2.575	7.4	20.1
4 1	13 8.22	+ 7 54.5	1.577	2.558	5.4	20.0
4 11	12 58.90	+ 8 21.3	1.568	2.542	6.8	20.0
4 21	12 49.93	+ 8 30.3	1.584	2.525	10.1	20.2
5 1	12 42.36	+ 8 18.4	1.624	2.509	13.7	20.3
5 11	12 36.94	+ 7 45.6	1.684	2.493	17.0	20.5

452675 2005 WD_{175} 4 6.7 94.°38 0.°6/ 7.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 30.87	−10 51.4	1.442	2.266	17.5	22.0
3 12	13 25.87	−10 28.8	1.379	2.283	13.4	21.8
3 22	13 18.18	− 9 48.7	1.338	2.299	8.6	21.5
4 1	13 8.67	− 8 55.2	1.321	2.315	3.4	21.3
4 11	12 58.64	− 7 55.3	1.331	2.330	2.1	21.2
4 21	12 49.37	− 6 56.9	1.367	2.346	7.2	21.6
5 1	12 41.97	− 6 7.8	1.427	2.361	11.9	21.9
5 11	12 37.16	− 5 33.4	1.510	2.375	15.8	22.1

519278 2011 BC_{166} 4 6.7 328.°80 2.°7/ 8.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 26.15	−15 0.6	1.645	2.455	16.3	20.9
3 12	13 22.35	−15 4.3	1.559	2.449	13.0	20.7
3 22	13 16.07	−14 49.6	1.493	2.444	9.0	20.4
4 1	13 7.97	−14 17.6	1.452	2.439	4.7	20.2
4 11	12 59.11	−13 32.1	1.436	2.434	2.9	20.0
4 21	12 50.65	−12 39.5	1.447	2.429	6.5	20.2
5 1	12 43.69	−11 47.4	1.484	2.425	10.8	20.5
5 11	12 39.02	−11 2.8	1.542	2.422	14.8	20.7

435349 2007 VY_{170} 4 6.7 83.°46 0.°1/ 6.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 27.38	− 7 16.8	2.170	2.986	12.7	21.2
3 12	13 22.50	− 7 9.5	2.091	2.992	9.6	21.0
3 22	13 15.76	− 6 53.2	2.037	2.998	6.1	20.8
4 1	13 7.76	− 6 30.8	2.010	3.004	2.2	20.6
4 11	12 59.32	− 6 5.9	2.011	3.011	1.8	20.5
4 21	12 51.28	− 5 42.8	2.041	3.017	5.6	20.8
5 1	12 44.42	− 5 25.4	2.099	3.023	9.1	21.0
5 11	12 39.31	− 5 16.8	2.179	3.029	12.2	21.2

5813 Eizaburo 4 6.7 210.°59 0.°5/ 6.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 25.40	− 9 13.4	2.206	3.020	12.6	17.6
3 12	13 21.08	− 8 17.4	2.114	3.014	9.6	17.4
3 22	13 14.92	− 7 7.9	2.046	3.008	6.0	17.1
4 1	13 7.47	− 5 48.9	2.006	3.001	2.1	16.8
4 11	12 59.52	− 4 26.4	1.996	2.994	2.0	16.8
4 21	12 51.89	− 3 7.3	2.014	2.986	6.0	17.1
5 1	12 45.37	− 1 57.6	2.061	2.978	9.7	17.3
5 11	12 40.53	− 1 2.1	2.131	2.969	12.9	17.5

200943 2002 AK_{194} 4 6.7 152.°98 4.°5/ 2.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 29.56	+ 1 29.8	1.656	2.500	14.7	21.0
3 12	13 24.61	+ 2 35.7	1.589	2.506	11.0	20.8
3 22	13 17.29	+ 3 47.3	1.546	2.511	7.2	20.6
4 1	13 8.36	+ 4 57.0	1.528	2.516	4.6	20.4
4 11	12 58.89	+ 5 56.2	1.539	2.520	5.9	20.5
4 21	12 50.02	+ 6 38.4	1.575	2.524	9.6	20.7
5 1	12 42.73	+ 6 59.7	1.636	2.527	13.3	21.0
5 11	12 37.69	+ 6 59.1	1.717	2.530	16.6	21.2

2020	α_{2000}	δ_{2000}	Δ	r	β	V
498139 2007 TO_{54}			4 6.7 122°.06		1°.7/ 4.9 17	
	h m	° ′			°	m
3 2	13 27.72	− 2 19.2	2.458	3.280	11.2	22.5
3 12	13 22.47	− 1 56.6	2.386	3.292	8.4	22.4
3 22	13 15.60	− 1 29.1	2.340	3.304	5.2	22.2
4 1	13 7.67	− 1 0.1	2.322	3.315	2.2	22.0
4 11	12 59.43	− 0 33.5	2.333	3.326	2.7	22.0
4 21	12 51.58	− 0 13.1	2.374	3.337	5.8	22.3
5 1	12 44.81	− 0 1.6	2.442	3.348	8.9	22.5
5 11	12 39.61	− 0 0.8	2.534	3.358	11.5	22.7
19663 Rykerwatts			4 6.7 95°.59		0°.9/ 7.7 18	R
3 2	13 24.58	−13 6.6	1.922	2.732	14.3	18.7
3 12	13 20.65	−12 25.8	1.844	2.739	11.0	18.5
3 22	13 14.71	−11 28.1	1.788	2.745	7.2	18.3
4 1	13 7.40	−10 17.0	1.759	2.751	3.1	18.0
4 11	12 59.63	− 8 58.6	1.757	2.757	1.7	17.9
4 21	12 52.31	− 7 40.1	1.784	2.763	5.8	18.2
5 1	12 46.28	− 6 28.6	1.837	2.769	9.7	18.5
5 11	12 42.15	− 5 29.9	1.914	2.775	13.1	18.7
380038 2013 RF_{26}			4 6.7 182°.05		3°.5/ 2.2 17	
3 2	13 24.45	− 3 6.1	2.050	2.886	12.6	20.7
3 12	13 20.41	− 1 0.7	1.972	2.886	9.3	20.5
3 22	13 14.50	+ 1 17.1	1.920	2.886	5.9	20.3
4 1	13 7.32	+ 3 38.5	1.898	2.886	3.6	20.1
4 11	12 59.69	+ 5 53.5	1.906	2.886	5.1	20.2
4 21	12 52.45	+ 7 52.7	1.944	2.885	8.5	20.4
5 1	12 46.38	+ 9 29.5	2.008	2.884	11.9	20.6
5 11	12 42.06	+10 40.8	2.095	2.882	14.8	20.8
178198 2006 UP_{272}			4 6.7 156°.60		2°.7/ 3.6 18	
3 2	13 26.14	+ 1 41.8	2.655	3.483	10.3	20.4
3 12	13 21.22	+ 2 13.1	2.579	3.487	7.7	20.2
3 22	13 14.79	+ 2 46.9	2.528	3.491	5.0	20.0
4 1	13 7.39	+ 3 19.2	2.507	3.495	2.9	19.9
4 11	12 59.65	+ 3 46.1	2.515	3.498	3.7	20.0
4 21	12 52.24	+ 4 4.2	2.552	3.502	6.3	20.1
5 1	12 45.79	+ 4 11.3	2.616	3.504	9.0	20.3
5 11	12 40.76	+ 4 6.1	2.703	3.507	11.4	20.5
205805 2002 CK_{167}			4 6.7 352°.84		4°.6/ 4.0 17	
3 2	13 23.18	+ 0 22.0	0.994	1.875	19.1	18.6
3 12	13 21.16	+ 0 52.4	0.930	1.866	14.5	18.3
3 22	13 15.81	+ 1 30.9	0.885	1.859	9.4	18.0
4 1	13 7.98	+ 2 9.0	0.860	1.854	5.0	17.7
4 11	12 59.18	+ 2 36.3	0.858	1.850	6.4	17.8
4 21	12 51.05	+ 2 44.8	0.876	1.848	11.6	18.1
5 1	12 45.11	+ 2 29.5	0.915	1.848	16.8	18.3
5 11	12 42.30	+ 1 49.9	0.970	1.849	21.4	18.6
10246 Frankenwald			4 6.7 121°.64		1°.5/ 5.2 18	
3 2	13 24.97	− 7 11.5	1.797	2.628	14.2	18.8
3 12	13 21.02	− 6 3.9	1.723	2.634	10.7	18.6
3 22	13 14.98	− 4 42.3	1.672	2.639	6.6	18.3
4 1	13 7.51	− 3 12.7	1.648	2.644	2.4	18.1
4 11	12 59.56	− 1 43.2	1.653	2.648	3.1	18.1
4 21	12 52.10	− 0 22.0	1.685	2.653	7.3	18.4
5 1	12 46.00	+ 0 44.1	1.742	2.658	11.2	18.6
5 11	12 41.88	+ 1 31.1	1.822	2.662	14.6	18.8
1145 Robelmonte			4 6.7 313°.21		2°.7/ 8.5 18	
3 2	13 28.58	−13 2.2	1.461	2.282	17.5	14.8
3 12	13 24.60	−13 23.9	1.372	2.270	13.9	14.6
3 22	13 17.75	−13 29.1	1.303	2.258	9.5	14.3
4 1	13 8.69	−13 17.9	1.258	2.247	4.8	14.0
4 11	12 58.60	−12 53.6	1.238	2.236	3.0	13.8
4 21	12 48.85	−12 21.7	1.243	2.225	7.3	14.0
5 1	12 40.78	−11 49.5	1.272	2.215	12.2	14.3
5 11	12 35.36	−11 24.2	1.323	2.205	16.5	14.5
55305 2001 SE_{53}			4 6.7 346°.11		1°.4/ 5.3 18	
3 2	13 24.69	− 4 33.7	2.128	2.957	12.4	19.0
3 12	13 20.55	− 4 1.9	2.047	2.956	9.3	18.8
3 22	13 14.58	− 3 21.7	1.990	2.956	5.8	18.6
4 1	13 7.36	− 2 37.3	1.960	2.955	2.2	18.4
4 11	12 59.67	− 1 53.8	1.958	2.954	2.7	18.4
4 21	12 52.35	− 1 16.0	1.985	2.953	6.3	18.6
5 1	12 46.16	− 0 48.4	2.038	2.953	9.9	18.8
5 11	12 41.68	− 0 33.8	2.113	2.953	12.9	19.0
113591 2002 TK_{49}			4 6.7 146°.07		0°.4/ 6.4 18	
3 2	13 34.21	− 7 17.7	1.674	2.493	15.7	21.1
3 12	13 28.15	− 7 2.9	1.601	2.503	12.0	20.8
3 22	13 19.56	− 6 36.3	1.551	2.513	7.6	20.6
4 1	13 9.22	− 6 1.4	1.527	2.522	2.7	20.3
4 11	12 58.30	− 5 23.8	1.531	2.530	2.3	20.3
4 21	12 48.00	− 4 49.5	1.564	2.538	7.1	20.6
5 1	12 39.40	− 4 23.9	1.622	2.545	11.4	20.9
5 11	12 33.21	− 4 10.8	1.703	2.551	15.1	21.1

2020	α_{2000}	δ_{2000}	Δ	r	β	V
331007 2009 UU_{86}			4 6.7 233°.53		2°.8/ 4.4 18	
	h m	° ′			°	m
3 2	13 31.25	+ 0 19.4	2.024	2.853	13.0	20.5
3 12	13 25.66	+ 0 38.0	1.936	2.845	9.8	20.2
3 22	13 17.92	+ 1 0.8	1.872	2.836	6.3	20.0
4 1	13 8.64	+ 1 23.2	1.836	2.827	3.1	19.8
4 11	12 58.73	+ 1 40.5	1.828	2.818	3.9	19.8
4 21	12 49.19	+ 1 48.5	1.849	2.808	7.5	20.0
5 1	12 40.93	+ 1 44.3	1.896	2.798	11.2	20.2
5 11	12 34.65	+ 1 26.2	1.966	2.788	14.4	20.4
56837 2000 QX_{39}			4 6.7 309°.13		4°.7/10.7 18	
3 2	13 26.71	−19 49.5	2.030	2.805	14.9	19.0
3 12	13 22.55	−20 21.8	1.927	2.789	12.2	18.8
3 22	13 16.15	−20 37.6	1.845	2.773	9.2	18.6
4 1	13 8.05	−20 35.7	1.787	2.757	6.2	18.3
4 11	12 59.13	−20 16.9	1.756	2.742	4.7	18.2
4 21	12 50.39	−19 44.8	1.752	2.727	6.4	18.3
5 1	12 42.86	−19 4.9	1.774	2.712	9.6	18.4
5 11	12 37.31	−18 23.9	1.819	2.697	12.9	18.6
264716 2002 BW_{29}			4 6.7 71°.52		3°.0/ 8.9 18	
3 2	13 32.67	−14 14.5	1.749	2.546	16.0	20.2
3 12	13 26.95	−14 46.5	1.679	2.562	12.6	20.0
3 22	13 18.79	−15 3.6	1.631	2.578	8.7	19.8
4 1	13 8.95	−15 5.8	1.609	2.594	4.8	19.6
4 11	12 58.54	−14 55.7	1.614	2.610	3.2	19.5
4 21	12 48.73	−14 37.4	1.647	2.626	6.3	19.8
5 1	12 40.55	−14 16.8	1.706	2.642	10.1	20.0
5 11	12 34.71	−13 59.3	1.788	2.657	13.5	20.3
193873 2001 QX_{157}			4 6.7 320°.87		0°.2/ 6.5 16	
3 2	13 23.44	− 9 7.1	1.132	1.989	19.1	19.6
3 12	13 21.30	− 8 41.4	1.049	1.971	14.8	19.3
3 22	13 15.96	− 7 54.4	0.984	1.954	9.5	18.9
4 1	13 8.11	− 6 50.2	0.941	1.937	3.5	18.5
4 11	12 59.06	− 5 37.3	0.921	1.921	2.9	18.4
4 21	12 50.40	− 4 26.9	0.924	1.906	9.3	18.7
5 1	12 43.67	− 3 30.1	0.948	1.892	15.2	19.0
5 11	12 39.97	− 2 54.9	0.990	1.879	20.3	19.3
485895 2012 FL_{52}			4 6.7 164°.19		9°.2/10.9 18	
3 2	13 44.44	−22 34.7	1.335	2.099	21.7	21.0
3 12	13 37.43	−24 24.0	1.256	2.104	18.3	20.8
3 22	13 26.36	−25 53.0	1.195	2.108	14.5	20.5
4 1	13 12.03	−26 53.5	1.157	2.111	10.9	20.3
4 11	12 56.11	−27 20.7	1.143	2.114	9.2	20.2
4 21	12 40.67	−27 16.0	1.155	2.116	10.9	20.3
5 1	12 27.70	−26 47.9	1.191	2.117	14.4	20.5
5 11	12 18.50	−26 8.9	1.248	2.117	18.2	20.8
267270 2001 RP_{17}			4 6.7 94°.92		1°.5/ 8.4 18	
3 2	13 33.27	−13 51.9	2.428	3.205	12.7	23.3
3 12	13 26.48	−13 37.3	2.371	3.245	9.8	23.2
3 22	13 18.02	−13 10.1	2.338	3.284	6.5	23.0
4 1	13 8.55	−12 32.4	2.334	3.322	3.1	22.9
4 11	12 58.90	−11 48.1	2.360	3.359	1.8	22.8
4 21	12 49.87	−11 1.7	2.418	3.394	4.7	23.1
5 1	12 42.13	−10 18.0	2.504	3.429	7.8	23.3
5 11	12 36.15	− 9 41.0	2.616	3.463	10.5	23.6
371019 2005 UD_{50}			4 6.7 169°.05		0°.1/ 6.9 17	
3 2	13 29.02	− 8 57.7	2.210	3.018	12.8	21.9
3 12	13 23.76	− 8 40.6	2.126	3.022	9.7	21.7
3 22	13 16.59	− 8 12.8	2.066	3.025	6.2	21.5
4 1	13 8.12	− 7 37.1	2.034	3.028	2.4	21.2
4 11	12 59.16	− 6 57.5	2.031	3.030	1.7	21.2
4 21	12 50.59	− 6 18.9	2.056	3.032	5.6	21.4
5 1	12 43.21	− 5 45.8	2.110	3.033	9.2	21.6
5 11	12 37.60	− 5 22.2	2.188	3.034	12.3	21.8
51278 2000 JC_{84}			4 6.7 43°.35		5°.1/ 1.8 18	
3 2	13 27.34	+ 6 57.0	2.035	2.878	12.4	19.2
3 12	13 22.55	+ 7 42.1	1.968	2.880	9.5	19.0
3 22	13 15.83	+ 8 26.4	1.925	2.883	6.7	18.8
4 1	13 7.82	+ 9 3.9	1.909	2.885	5.2	18.7
4 11	12 59.40	+ 9 28.8	1.920	2.888	6.3	18.8
4 21	12 51.45	+ 9 37.4	1.958	2.891	9.0	19.0
5 1	12 44.76	+ 9 27.9	2.020	2.893	11.9	19.2
5 11	12 39.91	+ 9 0.6	2.104	2.896	14.6	19.3
175284 2005 LP_{2}			4 6.7 295°.34		2°.4/ 4.6 17	
3 2	13 24.32	− 5 14.3	1.545	2.391	15.4	20.0
3 12	13 21.06	− 4 10.9	1.459	2.377	11.7	19.7
3 22	13 15.32	− 2 52.2	1.394	2.363	7.3	19.4
4 1	13 7.75	− 1 24.6	1.355	2.350	3.0	19.1
4 11	12 59.40	+ 0 2.5	1.342	2.336	4.1	19.2
4 21	12 51.42	+ 1 19.7	1.356	2.323	8.8	19.4
5 1	12 44.93	+ 2 18.9	1.393	2.310	13.4	19.6
5 11	12 40.72	+ 2 55.5	1.451	2.297	17.4	19.8

20007 Marybrown 4 6.7 270°.59 9°.1/28.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 28.10	+13 13.2	1.721	2.569	14.0	18.4
3 12	13 23.80	+15 0.6	1.640	2.546	11.4	18.2
3 22	13 17.02	+16 46.5	1.583	2.523	9.5	18.0
4 1	13 8.38	+18 19.6	1.552	2.499	9.3	18.0
4 11	12 58.92	+19 29.5	1.546	2.475	11.0	18.0
4 21	12 49.78	+20 9.1	1.564	2.450	13.9	18.1
5 1	12 42.07	+20 15.7	1.603	2.425	17.0	18.2
5 11	12 36.61	+19 50.8	1.659	2.400	19.8	18.4

88092 2000 WL_{50} 4 6.7 176°.81 1°.5/ 4.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 25.85	− 4 52.5	2.596	3.413	10.8	21.0
3 12	13 21.08	− 3 56.8	2.512	3.416	8.1	20.8
3 22	13 14.76	− 2 53.0	2.454	3.418	5.0	20.6
4 1	13 7.42	− 1 45.1	2.425	3.419	2.0	20.4
4 11	12 59.70	− 0 38.3	2.427	3.420	2.6	20.5
4 21	12 52.31	+ 0 22.3	2.458	3.420	5.8	20.7
5 1	12 45.87	+ 1 12.4	2.517	3.419	8.8	20.9
5 11	12 40.89	+ 1 49.3	2.601	3.418	11.4	21.0

33697 1999 KJ_{11} 4 6.7 80°.68 5°.6/ 2.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 29.28	+ 3 43.3	1.439	2.294	15.9	17.5
3 12	13 24.67	+ 4 49.0	1.381	2.302	12.0	17.2
3 22	13 17.45	+ 5 58.2	1.345	2.309	8.1	17.0
4 1	13 8.47	+ 7 1.6	1.333	2.317	5.7	16.9
4 11	12 58.96	+ 7 50.3	1.348	2.325	7.2	17.0
4 21	12 50.16	+ 8 17.9	1.387	2.333	10.9	17.2
5 1	12 43.16	+ 8 21.3	1.450	2.341	14.7	17.5
5 11	12 38.64	+ 8 1.2	1.531	2.349	18.0	17.7

214452 2005 SC_{70} 4 6.7 211°.22 1°.1/ 5.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 22.19	− 6 7.4	2.775	3.593	10.2	20.4
3 12	13 18.30	− 5 11.7	2.684	3.589	7.6	20.3
3 22	13 13.01	− 4 7.3	2.620	3.584	4.7	20.1
4 1	13 6.78	− 2 58.0	2.584	3.579	1.8	19.9
4 11	13 0.19	− 1 48.5	2.578	3.573	2.2	19.9
4 21	12 53.86	− 0 43.7	2.602	3.568	5.3	20.1
5 1	12 48.35	+ 0 12.1	2.655	3.562	8.2	20.2
5 11	12 44.13	+ 0 55.8	2.731	3.556	10.7	20.4

377143 2003 QU_{20} 4 6.7 236°.28 0°.0/ 6.5 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 30.22	− 8 51.4	1.956	2.769	14.0	22.5
3 12	13 25.12	− 8 28.9	1.856	2.754	10.8	22.2
3 22	13 17.73	− 7 53.5	1.778	2.738	6.9	22.0
4 1	13 8.63	− 7 8.1	1.728	2.722	2.6	21.6
4 11	12 58.76	− 6 17.5	1.706	2.705	2.0	21.6
4 21	12 49.14	− 5 27.7	1.712	2.687	6.5	21.8
5 1	12 40.79	− 4 44.8	1.745	2.668	10.7	22.0
5 11	12 34.47	− 4 13.7	1.802	2.649	14.5	22.2

219587 2001 TH_{3} 4 6.7 176°.42 0°.9/ 7.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 27.61	−12 12.3	2.253	3.051	12.9	22.0
3 12	13 22.70	−11 45.9	2.165	3.053	9.9	21.8
3 22	13 15.94	−11 6.1	2.101	3.055	6.5	21.6
4 1	13 7.89	−10 15.2	2.065	3.056	2.8	21.4
4 11	12 59.37	− 9 17.8	2.057	3.057	1.6	21.3
4 21	12 51.21	− 8 19.3	2.079	3.057	5.3	21.6
5 1	12 44.20	− 7 25.3	2.129	3.056	8.9	21.8
5 11	12 38.91	− 6 40.4	2.203	3.055	12.0	22.0

43947 1997 AE_{7} 4 6.7 41°.13 1°.7/ 5.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 25.38	− 6 40.4	1.386	2.233	16.8	17.8
3 12	13 21.87	− 5 45.9	1.322	2.241	12.6	17.6
3 22	13 15.76	− 4 36.1	1.279	2.248	7.8	17.4
4 1	13 7.87	− 3 17.6	1.260	2.256	2.9	17.1
4 11	12 59.41	− 1 59.8	1.268	2.264	3.5	17.1
4 21	12 51.59	− 0 52.0	1.300	2.273	8.4	17.4
5 1	12 45.51	− 0 1.5	1.357	2.282	13.0	17.7
5 11	12 41.87	+ 0 27.7	1.433	2.291	16.9	18.0

419239 2009 VJ_{39} 4 6.7 156°.87 2°.3/ 9.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 27.07	−16 56.7	2.337	3.115	13.1	21.4
3 12	13 22.24	−16 35.4	2.251	3.122	10.3	21.2
3 22	13 15.61	−15 58.0	2.188	3.129	7.2	21.0
4 1	13 7.76	−15 6.4	2.152	3.135	3.9	20.8
4 11	12 59.48	−14 4.3	2.144	3.141	2.4	20.7
4 21	12 51.59	−12 57.1	2.166	3.146	5.0	20.9
5 1	12 44.82	−11 50.9	2.217	3.150	8.2	21.1
5 11	12 39.75	−10 51.2	2.292	3.154	11.2	21.3

196593 2003 QC_{61} 4 6.7 213°.31 2°.7/ 3.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 26.10	− 0 18.3	2.398	3.227	11.2	20.4
3 12	13 21.45	+ 0 30.8	2.311	3.221	8.4	20.2
3 22	13 15.10	+ 1 25.4	2.250	3.214	5.3	20.0
4 1	13 7.58	+ 2 20.8	2.217	3.207	2.9	19.9
4 11	12 59.61	+ 3 11.5	2.213	3.199	3.9	19.9
4 21	12 51.93	+ 3 52.8	2.238	3.191	6.9	20.1
5 1	12 45.27	+ 4 21.2	2.290	3.182	10.0	20.3
5 11	12 40.16	+ 4 34.5	2.365	3.173	12.7	20.4

30740 1981 ET_{14} 4 6.7 69°.55 1°.1/ 7.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 25.16	−12 30.8	2.179	2.982	13.1	19.3
3 12	13 20.79	−12 11.5	2.109	2.999	10.1	19.2
3 22	13 14.67	−11 39.1	2.062	3.016	6.6	19.0
4 1	13 7.40	−10 56.2	2.042	3.033	2.9	18.8
4 11	12 59.77	−10 7.1	2.051	3.050	1.6	18.7
4 21	12 52.61	− 9 17.0	2.088	3.067	5.1	19.0
5 1	12 46.62	− 8 31.1	2.152	3.084	8.5	19.2
5 11	12 42.32	− 7 53.6	2.241	3.101	11.5	19.4

166760 2002 UW_{26} 4 6.7 176°.64 2°.4/ 3.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 25.12	− 0 57.1	2.515	3.343	10.8	20.4
3 12	13 20.58	− 0 10.0	2.435	3.345	8.0	20.2
3 22	13 14.48	+ 0 42.3	2.381	3.346	5.1	20.0
4 1	13 7.33	+ 1 35.4	2.356	3.347	2.6	19.9
4 11	12 59.81	+ 2 24.4	2.360	3.347	3.5	19.9
4 21	12 52.62	+ 3 4.9	2.393	3.347	6.4	20.1
5 1	12 46.39	+ 3 33.5	2.453	3.347	9.3	20.3
5 11	12 41.64	+ 3 48.3	2.536	3.346	11.9	20.5

410406 2007 XR_{42} 4 6.7 83°.12 1°.2/ 7.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 29.70	−12 0.6	1.569	2.386	16.7	21.6
3 12	13 24.82	−11 43.2	1.505	2.404	12.8	21.3
3 22	13 17.47	−11 8.9	1.464	2.421	8.4	21.1
4 1	13 8.47	−10 20.8	1.447	2.439	3.6	20.9
4 11	12 58.99	− 9 25.0	1.457	2.456	2.0	20.8
4 21	12 50.21	− 8 28.9	1.493	2.474	6.6	21.1
5 1	12 43.14	− 7 39.6	1.556	2.491	11.0	21.4
5 11	12 38.45	− 7 2.8	1.640	2.507	14.7	21.7

316794 1999 TU_{237} 4 6.7 133°.01 0°.5/ 6.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 31.47	− 7 14.1	1.970	2.785	13.9	21.8
3 12	13 25.70	− 6 51.5	1.899	2.799	10.5	21.6
3 22	13 17.84	− 6 18.5	1.852	2.813	6.6	21.4
4 1	13 8.59	− 5 38.7	1.831	2.826	2.4	21.1
4 11	12 58.92	− 4 57.2	1.840	2.839	2.1	21.1
4 21	12 49.78	− 4 19.2	1.878	2.851	6.2	21.4
5 1	12 42.06	− 3 49.4	1.943	2.862	10.0	21.7
5 11	12 36.36	− 3 31.3	2.031	2.872	13.3	21.9

402977 2007 UD_{136} 4 6.7 183°.94 1°.5/ 5.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 29.22	− 5 32.8	2.004	2.826	13.4	22.2
3 12	13 24.10	− 4 45.7	1.921	2.827	10.1	22.0
3 22	13 16.91	− 3 47.9	1.862	2.827	6.3	21.8
4 1	13 8.28	− 2 44.1	1.831	2.826	2.4	21.5
4 11	12 59.12	− 1 40.7	1.829	2.824	2.9	21.6
4 21	12 50.37	− 0 43.9	1.855	2.822	6.9	21.8
5 1	12 42.92	+ 0 0.9	1.909	2.819	10.7	22.0
5 11	12 37.39	+ 0 30.2	1.985	2.815	14.0	22.2

456167 2006 HF_{3} 4 6.7 323°.11 2°.5/ 4.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 23.23	− 4 51.2	1.192	2.056	17.9	20.9
3 12	13 20.96	− 4 7.9	1.109	2.036	13.6	20.6
3 22	13 15.66	− 3 7.9	1.046	2.018	8.6	20.2
4 1	13 8.01	− 1 57.7	1.005	2.000	3.5	19.9
4 11	12 59.26	− 0 47.3	0.987	1.983	4.5	19.9
4 21	12 50.89	+ 0 12.4	0.993	1.967	10.1	20.1
5 1	12 44.35	+ 0 52.4	1.020	1.952	15.6	20.3
5 11	12 40.65	+ 1 7.5	1.065	1.939	20.3	20.6

165244 2000 SG_{148} 4 6.7 185°.72 0°.8/ 7.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 30.01	−11 46.5	2.026	2.827	14.0	21.3
3 12	13 24.75	−11 21.6	1.937	2.828	10.8	21.1
3 22	13 17.35	−10 42.1	1.872	2.827	7.1	20.8
4 1	13 8.46	− 9 50.7	1.834	2.826	3.0	20.6
4 11	12 58.99	− 8 52.1	1.824	2.824	1.7	20.5
4 21	12 49.90	− 7 52.5	1.844	2.821	5.9	20.7
5 1	12 42.12	− 6 58.1	1.891	2.817	9.8	21.0
5 11	12 36.32	− 6 14.2	1.961	2.813	13.3	21.2

74981 1999 TB_{240} 4 6.7 206°.27 2°.5/ 4.3 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 28.31	− 2 49.5	1.898	2.731	13.6	20.2
3 12	13 23.55	− 1 56.6	1.815	2.727	10.2	19.9
3 22	13 16.64	− 0 54.5	1.756	2.722	6.4	19.7
4 1	13 8.21	+ 0 11.3	1.723	2.717	3.0	19.5
4 11	12 59.18	+ 1 13.8	1.720	2.711	3.9	19.5
4 21	12 50.56	+ 2 6.4	1.744	2.704	7.8	19.7
5 1	12 43.25	+ 2 43.9	1.793	2.698	11.6	19.9
5 11	12 37.94	+ 3 3.6	1.865	2.690	14.9	20.1

389716 2011 SU_{29} 4 6.7 187°.48 1°.5/ 8.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 27.90	−12 52.6	2.999	3.779	10.4	21.9
3 12	13 22.52	−12 58.6	2.903	3.779	8.1	21.8
3 22	13 15.66	−12 55.4	2.831	3.777	5.5	21.6
4 1	13 7.79	−12 44.0	2.789	3.776	2.7	21.4
4 11	12 59.50	−12 26.3	2.776	3.774	1.7	21.3
4 21	12 51.45	−12 5.2	2.794	3.771	4.1	21.5
5 1	12 44.24	−11 44.0	2.841	3.768	6.9	21.7
5 11	12 38.37	−11 25.8	2.915	3.765	9.4	21.8

121284 1999 RQ_{157} 4 6.7 167°.26 2°.2/ 8.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 29.98	−14 57.0	2.577	3.352	12.1	20.7
3 12	13 24.30	−15 3.8	2.486	3.357	9.5	20.5
3 22	13 16.87	−14 58.7	2.420	3.362	6.6	20.4
4 1	13 8.25	−14 42.3	2.382	3.365	3.6	20.2
4 11	12 59.17	−14 17.1	2.373	3.369	2.3	20.1
4 21	12 50.39	−13 46.5	2.394	3.371	4.7	20.2
5 1	12 42.67	−13 14.8	2.444	3.373	7.8	20.4
5 11	12 36.56	−12 46.2	2.520	3.375	10.6	20.6

304440 2006 TB_{110} 4 6.7 278°.34 1°.4/ 8.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 23.43	−13 59.8	2.315	3.113	12.6	21.1
3 12	13 19.67	−13 33.4	2.210	3.096	9.8	20.9
3 22	13 14.12	−12 52.0	2.128	3.080	6.6	20.7
4 1	13 7.27	−11 57.6	2.073	3.063	3.1	20.4
4 11	12 59.87	−10 54.3	2.047	3.046	1.7	20.3
4 21	12 52.68	− 9 47.5	2.049	3.029	5.1	20.5
5 1	12 46.48	− 8 43.1	2.079	3.012	8.7	20.7
5 11	12 41.89	− 7 46.7	2.133	2.995	12.0	20.9

162597 2000 SJ_{66} 4 6.7 109°.64 0°.8/ 6.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 28.35	− 8 42.1	1.622	2.449	15.7	20.4
3 12	13 23.73	− 7 47.5	1.556	2.463	11.9	20.1
3 22	13 16.76	− 6 37.5	1.513	2.477	7.4	19.9
4 1	13 8.24	− 5 17.8	1.495	2.491	2.6	19.6
4 11	12 59.24	− 3 56.5	1.506	2.504	2.6	19.7
4 21	12 50.88	− 2 42.0	1.543	2.517	7.3	20.0
5 1	12 44.13	− 1 41.5	1.607	2.529	11.5	20.3
5 11	12 39.63	− 0 59.2	1.692	2.541	15.1	20.5

501752 2014 UT_{138} 4 6.7 82°.20 2°.6/ 8.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 28.54	−14 51.6	1.619	2.426	16.7	21.7
3 12	13 24.10	−14 51.0	1.542	2.432	13.1	21.4
3 22	13 17.16	−14 31.7	1.487	2.438	9.0	21.2
4 1	13 8.44	−13 55.3	1.456	2.444	4.6	21.0
4 11	12 59.07	−13 6.2	1.452	2.450	2.8	20.8
4 21	12 50.23	−12 11.3	1.474	2.456	6.5	21.1
5 1	12 43.01	−11 18.1	1.522	2.462	10.8	21.3
5 11	12 38.15	−10 33.6	1.592	2.468	14.6	21.6

237225 2008 VD_{39} 4 6.7 162°.58 0°.3/ 7.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 26.37	− 9 48.1	2.245	3.054	12.5	21.6
3 12	13 21.77	− 9 26.6	2.161	3.057	9.6	21.4
3 22	13 15.36	− 8 53.7	2.101	3.059	6.2	21.2
4 1	13 7.72	− 8 12.2	2.068	3.062	2.4	21.0
4 11	12 59.62	− 7 26.5	2.064	3.064	1.6	20.9
4 21	12 51.89	− 6 41.4	2.089	3.065	5.4	21.2
5 1	12 45.27	− 6 1.8	2.141	3.067	8.9	21.4
5 11	12 40.33	− 5 31.6	2.217	3.068	12.0	21.6

297246 1994 UW_{7} 4 6.7 223°.91 0°.9/ 5.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 28.73	− 4 0.3	2.405	3.223	11.6	20.6
3 12	13 23.42	− 4 0.0	2.320	3.222	8.7	20.4
3 22	13 16.35	− 3 54.3	2.259	3.221	5.5	20.2
4 1	13 8.08	− 3 45.6	2.226	3.221	2.0	19.9
4 11	12 59.36	− 3 37.2	2.222	3.220	2.1	19.9
4 21	12 50.96	− 3 32.0	2.249	3.219	5.6	20.1
5 1	12 43.62	− 3 33.0	2.302	3.218	8.8	20.3
5 11	12 37.91	− 3 42.2	2.381	3.218	11.7	20.5

148842 2001 VG_{13} 4 6.7 270°.42 0°.6/ 7.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 27.63	−10 0.3	1.809	2.627	14.7	20.3
3 12	13 23.31	− 9 47.7	1.715	2.616	11.4	20.1
3 22	13 16.66	− 9 21.2	1.644	2.604	7.4	19.8
4 1	13 8.29	− 8 43.4	1.599	2.592	3.0	19.5
4 11	12 59.17	− 7 59.1	1.580	2.580	1.9	19.4
4 21	12 50.36	− 7 14.1	1.590	2.568	6.5	19.6
5 1	12 42.88	− 6 34.6	1.625	2.556	10.8	19.9
5 11	12 37.53	− 6 6.1	1.682	2.544	14.6	20.1

455231 2001 SX_{111} 4 6.7 250°.41 2°.5/ 8.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 34.78	−13 59.2	1.946	2.733	15.0	22.1
3 12	13 28.90	−14 12.1	1.831	2.709	12.0	21.8
3 22	13 20.37	−14 10.6	1.738	2.684	8.3	21.5
4 1	13 9.76	−13 54.6	1.671	2.657	4.3	21.2
4 11	12 58.02	−13 26.1	1.633	2.630	2.7	21.1
4 21	12 46.35	−12 49.5	1.624	2.601	6.5	21.2
5 1	12 35.94	−12 10.9	1.642	2.572	10.8	21.4
5 11	12 27.77	−11 36.9	1.684	2.541	14.9	21.6

20122 1995 WH_{17} 4 6.7 173°.94 3°.7/ 2.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 28.10	+ 4 38.8	2.642	3.470	10.3	19.9
3 12	13 22.73	+ 5 27.0	2.567	3.473	7.8	19.7
3 22	13 15.81	+ 6 16.4	2.518	3.476	5.3	19.5
4 1	13 7.86	+ 7 2.1	2.498	3.479	3.8	19.4
4 11	12 59.57	+ 7 39.6	2.508	3.480	4.7	19.5
4 21	12 51.62	+ 8 5.2	2.547	3.481	7.1	19.7
5 1	12 44.67	+ 8 16.7	2.613	3.481	9.7	19.8
5 11	12 39.19	+ 8 13.4	2.701	3.481	12.0	20.0

23039 1999 XP_{20} 4 6.7 242°.41 0°.5/ 6.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 25.25	− 8 9.0	2.083	2.903	13.0	18.1
3 12	13 21.13	− 7 30.5	1.992	2.896	9.9	17.8
3 22	13 15.08	− 6 39.8	1.925	2.888	6.2	17.6
4 1	13 7.66	− 5 40.6	1.885	2.881	2.2	17.3
4 11	12 59.69	− 4 38.5	1.874	2.873	2.1	17.3
4 21	12 52.03	− 3 39.4	1.891	2.865	6.1	17.5
5 1	12 45.53	− 2 49.2	1.935	2.856	9.9	17.8
5 11	12 40.79	− 2 12.1	2.002	2.848	13.3	18.0

430059 2013 SN_{26} 4 6.7 213°.85 6°.6/13.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 31.32	−27 55.4	2.369	3.079	14.7	22.0
3 12	13 25.86	−28 34.7	2.265	3.072	12.6	21.9
3 22	13 18.19	−28 55.0	2.181	3.064	10.2	21.7
4 1	13 8.87	−28 53.4	2.121	3.055	8.0	21.5
4 11	12 58.76	−28 30.0	2.088	3.046	6.7	21.4
4 21	12 48.87	−27 47.3	2.083	3.036	7.2	21.4
5 1	12 40.17	−26 50.8	2.104	3.026	9.3	21.5
5 11	12 33.42	−25 47.7	2.151	3.015	11.8	21.7

292757 2006 UX_{185} 4 6.7 137°.63 3°.1/10.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 26.18	−18 41.2	2.509	3.276	12.6	20.8
3 12	13 21.53	−18 46.7	2.421	3.282	10.1	20.7
3 22	13 15.18	−18 37.7	2.356	3.287	7.3	20.5
4 1	13 7.66	−18 14.5	2.317	3.292	4.5	20.3
4 11	12 59.70	−17 39.7	2.306	3.297	3.2	20.2
4 21	12 52.06	−16 57.0	2.324	3.301	4.9	20.3
5 1	12 45.44	−16 11.2	2.371	3.306	7.7	20.5
5 11	12 40.41	−15 27.6	2.442	3.310	10.4	20.7

194578 2001 XQ_{98} 4 6.8 171°.88 4°.1/ 3.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 31.73	+ 1 30.5	1.682	2.521	14.7	20.4
3 12	13 26.32	+ 2 18.4	1.610	2.524	11.1	20.1
3 22	13 18.47	+ 3 11.2	1.562	2.526	7.2	19.9
4 1	13 8.93	+ 4 2.3	1.540	2.528	4.3	19.7
4 11	12 58.81	+ 4 44.2	1.545	2.529	5.5	19.8
4 21	12 49.24	+ 5 11.1	1.578	2.530	9.2	20.0
5 1	12 41.27	+ 5 19.5	1.635	2.530	13.0	20.2
5 11	12 35.61	+ 5 8.4	1.713	2.530	16.4	20.5

147390 2003 EK_{58} 4 6.8 46°.22 4°.5/12.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 22.61	−24 47.7	2.179	2.930	14.7	19.5
3 12	13 19.11	−24 23.8	2.095	2.938	12.2	19.4
3 22	13 13.75	−23 37.5	2.031	2.947	9.2	19.2
4 1	13 7.15	−22 29.3	1.992	2.955	6.3	19.0
4 11	13 0.13	−21 3.2	1.981	2.964	4.5	18.9
4 21	12 53.53	−19 25.7	1.997	2.973	5.6	19.0
5 1	12 48.13	−17 44.5	2.041	2.982	8.3	19.2
5 11	12 44.47	−16 7.7	2.110	2.992	11.3	19.4

92329 2000 GZ_{64} 4 6.8 270°.47 1°.3/ 5.9 16 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 31.08	− 5 13.1	1.511	2.346	16.3	19.5
3 12	13 26.46	− 4 56.9	1.417	2.329	12.5	19.2
3 22	13 18.96	− 4 29.1	1.345	2.311	7.9	18.9
4 1	13 9.26	− 3 53.6	1.298	2.294	3.0	18.6
4 11	12 58.49	− 3 16.7	1.278	2.275	3.1	18.5
4 21	12 48.01	− 2 45.2	1.283	2.257	8.4	18.8
5 1	12 39.15	− 2 25.4	1.313	2.238	13.4	19.0
5 11	12 32.89	− 2 21.6	1.364	2.219	17.7	19.2

519659 2012 WP_{36} 4 6.8 257°.65 3°.6/ 3.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 27.15	+ 3 11.9	2.247	3.083	11.6	21.2
3 12	13 22.37	+ 3 47.0	2.164	3.075	8.8	21.0
3 22	13 15.77	+ 4 24.5	2.105	3.067	5.8	20.8
4 1	13 7.91	+ 4 59.3	2.074	3.059	3.7	20.7
4 11	12 59.56	+ 5 26.4	2.071	3.051	4.7	20.7
4 21	12 51.54	+ 5 41.9	2.096	3.043	7.6	20.9
5 1	12 44.62	+ 5 43.1	2.148	3.035	10.7	21.0
5 11	12 39.38	+ 5 28.9	2.221	3.027	13.5	21.2

406605 2008 CB_{47} 4 6.8 46°.63 8°.0/30.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 24.92	+ 6 9.1	1.268	2.138	16.6	19.8
3 12	13 21.51	+ 8 11.7	1.231	2.157	12.6	19.6
3 22	13 15.48	+10 14.2	1.215	2.177	9.2	19.4
4 1	13 7.79	+12 3.4	1.224	2.197	8.0	19.4
4 11	12 59.73	+13 27.1	1.257	2.217	9.9	19.6
4 21	12 52.53	+14 18.6	1.314	2.239	13.2	19.8
5 1	12 47.19	+14 36.1	1.391	2.260	16.5	20.1
5 11	12 44.30	+14 22.6	1.485	2.282	19.4	20.3

298829 2004 RH_{147} 4 6.8 130°.18 1°.3/ 5.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 29.30	− 7 10.4	1.676	2.504	15.3	21.5
3 12	13 24.42	− 6 15.7	1.608	2.516	11.5	21.2
3 22	13 17.22	− 5 7.4	1.562	2.528	7.2	21.0
4 1	13 8.46	− 3 51.2	1.543	2.539	2.6	20.7
4 11	12 59.21	− 2 34.9	1.552	2.549	2.9	20.8
4 21	12 50.56	− 1 26.5	1.588	2.559	7.4	21.1
5 1	12 43.49	− 0 32.4	1.650	2.568	11.6	21.3
5 11	12 38.63	+ 0 3.5	1.734	2.577	15.1	21.6

135346 2001 TN_{46} 4 6.8 145°.89 8°.3/24.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 25.74	+24 31.4	2.901	3.710	10.0	20.5
3 12	13 20.91	+26 4.5	2.863	3.720	8.8	20.4
3 22	13 14.64	+27 26.5	2.851	3.729	8.3	20.4
4 1	13 7.44	+28 31.5	2.865	3.739	8.5	20.4
4 11	12 59.97	+29 15.1	2.905	3.747	9.4	20.5
4 21	12 52.88	+29 35.6	2.968	3.756	10.7	20.6
5 1	12 46.77	+29 33.0	3.053	3.763	12.1	20.7
5 11	12 42.08	+29 9.6	3.155	3.771	13.3	20.9

427894 2005 UA_{2} 4 6.8 117°.25 0°.1/ 6.6 18

3 2	13 29.34	− 8 48.0	2.288	3.093	12.5	22.6
3 12	13 23.80	− 8 18.0	2.220	3.115	9.4	22.4
3 22	13 16.53	− 7 37.7	2.177	3.137	5.9	22.2
4 1	13 8.14	− 6 50.4	2.163	3.157	2.2	22.0
4 11	12 59.46	− 6 0.9	2.178	3.177	1.7	22.0
4 21	12 51.27	− 5 13.9	2.223	3.196	5.4	22.3
5 1	12 44.29	− 4 34.0	2.295	3.215	8.7	22.5
5 11	12 39.02	− 4 4.6	2.392	3.233	11.6	22.8

376761 1999 VZ_{210} 4 6.8 181°.68 3°.5/ 2.1 18

3 2	13 27.14	+ 4 46.4	2.933	3.759	9.5	22.0
3 12	13 21.90	+ 5 37.9	2.855	3.760	7.2	21.9
3 22	13 15.25	+ 6 30.5	2.803	3.761	4.9	21.7
4 1	13 7.68	+ 7 19.9	2.781	3.760	3.5	21.6
4 11	12 59.78	+ 8 1.7	2.790	3.759	4.5	21.7
4 21	12 52.17	+ 8 32.5	2.827	3.758	6.7	21.8
5 1	12 45.44	+ 8 50.0	2.892	3.755	9.1	22.0
5 11	12 40.02	+ 8 53.4	2.981	3.752	11.2	22.1

178294 Wertheimer 4 6.8 196°.95 0°.8/ 7.6 16

3 2	13 29.35	−11 23.7	2.302	3.099	12.7	21.7
3 12	13 24.07	−11 5.0	2.208	3.096	9.8	21.5
3 22	13 16.88	−10 33.9	2.138	3.092	6.4	21.3
4 1	13 8.34	− 9 52.6	2.095	3.087	2.7	21.0
4 11	12 59.26	− 9 5.0	2.082	3.081	1.6	20.9
4 21	12 50.50	− 8 16.0	2.098	3.075	5.3	21.2
5 1	12 42.85	− 7 30.9	2.142	3.068	8.9	21.4
5 11	12 36.93	− 6 54.1	2.211	3.060	12.1	21.6

403283 2009 BA_{36} 4 6.8 178°.13 5°.4/ 1.9 17

3 2	13 29.17	+ 3 47.1	1.647	2.495	14.6	21.1
3 12	13 24.44	+ 5 1.3	1.579	2.496	11.1	20.9
3 22	13 17.30	+ 6 19.6	1.534	2.497	7.5	20.7
4 1	13 8.52	+ 7 33.4	1.515	2.497	5.5	20.5
4 11	12 59.16	+ 8 34.0	1.523	2.497	7.0	20.6
4 21	12 50.35	+ 9 14.6	1.558	2.497	10.4	20.8
5 1	12 43.10	+ 9 31.7	1.615	2.496	14.0	21.0
5 11	12 38.10	+ 9 25.1	1.693	2.495	17.2	21.2

187165 2005 RB_{44} 4 6.8 327°.85 0°.4/ 6.4 17

3 2	13 24.34	− 8 36.2	1.483	2.323	16.3	20.8
3 12	13 21.20	− 8 4.3	1.400	2.314	12.5	20.5
3 22	13 15.51	− 7 16.0	1.338	2.305	7.9	20.2
4 1	13 7.93	− 6 15.5	1.300	2.296	2.9	19.9
4 11	12 59.56	− 5 10.2	1.288	2.288	2.5	19.8
4 21	12 51.61	− 4 8.5	1.302	2.280	7.7	20.1
5 1	12 45.22	− 3 18.2	1.339	2.273	12.5	20.4
5 11	12 41.21	− 2 45.0	1.397	2.266	16.6	20.6

379241 2009 SA_{338} 4 6.8 193°.23 1°.1/ 7.8 17

3 2	13 30.64	−11 24.0	2.527	3.316	11.9	21.9
3 12	13 24.88	−11 21.2	2.431	3.313	9.2	21.7
3 22	13 17.32	−11 8.0	2.359	3.310	6.1	21.5
4 1	13 8.50	−10 45.7	2.316	3.306	2.7	21.3
4 11	12 59.16	−10 17.4	2.302	3.302	1.6	21.2
4 21	12 50.11	− 9 46.7	2.320	3.296	4.9	21.4
5 1	12 42.09	− 9 17.7	2.365	3.290	8.2	21.6
5 11	12 35.69	− 8 54.4	2.437	3.283	11.2	21.8

134649 1999 VR_{28} 4 6.8 232°.94 0°.7/ 7.5 17

3 2	13 29.03	−11 32.7	2.074	2.877	13.7	21.3
3 12	13 24.14	−11 6.7	1.971	2.862	10.6	21.0
3 22	13 17.10	−10 25.9	1.891	2.847	7.0	20.8
4 1	13 8.48	− 9 32.8	1.839	2.831	2.9	20.5
4 11	12 59.15	− 8 32.0	1.815	2.815	1.7	20.4
4 21	12 50.06	− 7 29.5	1.820	2.797	5.9	20.6
5 1	12 42.16	− 6 31.9	1.852	2.779	10.0	20.8
5 11	12 36.16	− 5 44.6	1.908	2.760	13.6	21.0

246038 2006 UD_{150} 4 6.8 183°.59 5°.5/29.4 18

3 2	13 24.64	+13 19.0	3.034	3.864	9.1	21.4
3 12	13 20.01	+14 27.5	2.968	3.864	7.3	21.2
3 22	13 14.07	+15 32.5	2.929	3.864	5.9	21.1
4 1	13 7.26	+16 28.7	2.918	3.863	5.5	21.1
4 11	13 0.15	+17 11.8	2.935	3.862	6.5	21.2
4 21	12 53.32	+17 38.8	2.980	3.860	8.2	21.3
5 1	12 47.33	+17 48.4	3.050	3.858	10.1	21.4
5 11	12 42.59	+17 41.0	3.141	3.855	11.8	21.5

77245 2001 FN_{43} 4 6.8 26°.18 0°.9/ 6.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 25.56	− 7 38.3	1.280	2.129	17.8	19.6
3 12	13 22.26	− 7 4.9	1.217	2.136	13.5	19.4
3 22	13 16.18	− 6 15.2	1.174	2.143	8.5	19.1
4 1	13 8.16	− 5 15.0	1.155	2.151	3.0	18.8
4 11	12 59.50	− 4 12.8	1.160	2.159	2.9	18.8
4 21	12 51.53	− 3 17.6	1.191	2.169	8.3	19.1
5 1	12 45.42	− 2 36.8	1.244	2.179	13.1	19.4
5 11	12 41.91	− 2 15.1	1.317	2.189	17.3	19.7

115071 2003 RG_{22} 4 6.8 189°.43 4°.9/ 2.2 18

3 2	13 29.19	+ 3 19.4	1.833	2.675	13.6	20.4
3 12	13 24.26	+ 4 29.8	1.760	2.675	10.3	20.2
3 22	13 17.13	+ 5 44.5	1.711	2.673	6.9	20.0
4 1	13 8.47	+ 6 55.9	1.689	2.672	4.9	19.9
4 11	12 59.26	+ 7 56.0	1.695	2.670	6.3	20.0
4 21	12 50.52	+ 8 38.7	1.727	2.667	9.6	20.1
5 1	12 43.19	+ 9 0.3	1.785	2.663	13.0	20.3
5 11	12 37.92	+ 9 0.0	1.862	2.659	16.0	20.5

344330 2001 VW_{72} 4 6.8 127°.74 0°.5/ 7.4 17

3 2	13 24.97	−11 0.5	2.725	3.523	10.9	22.3
3 12	13 20.37	−10 32.1	2.647	3.536	8.3	22.1
3 22	13 14.34	− 9 53.4	2.594	3.549	5.4	22.0
4 1	13 7.36	− 9 7.1	2.569	3.562	2.2	21.8
4 11	13 0.09	− 8 16.9	2.575	3.574	1.3	21.7
4 21	12 53.16	− 7 27.0	2.610	3.586	4.4	21.9
5 1	12 47.16	− 6 41.5	2.673	3.598	7.4	22.2
5 11	12 42.54	− 6 4.0	2.762	3.609	10.0	22.3

469913 2005 YR_{86} 4 6.8 285°.26 1°.3/ 5.5 17

3 2	13 25.79	− 5 53.8	1.842	2.674	13.9	21.7
3 12	13 21.75	− 5 14.5	1.761	2.672	10.5	21.4
3 22	13 15.58	− 4 24.0	1.703	2.669	6.6	21.2
4 1	13 7.91	− 3 26.8	1.671	2.666	2.4	20.9
4 11	12 59.68	− 2 29.2	1.667	2.664	2.8	20.9
4 21	12 51.86	− 1 37.9	1.690	2.661	7.0	21.2
5 1	12 45.34	− 0 58.3	1.739	2.658	11.0	21.4
5 11	12 40.79	− 0 34.1	1.810	2.656	14.5	21.6

178528 1999 TO_{280} 4 6.8 197°.87 3°.5/10.8 18

3 2	13 28.53	−20 17.9	3.010	3.753	11.2	20.8
3 12	13 23.14	−20 42.2	2.908	3.750	9.1	20.6
3 22	13 16.18	−20 54.2	2.830	3.747	6.8	20.4
4 1	13 8.10	−20 53.5	2.779	3.744	4.6	20.3
4 11	12 59.54	−20 41.2	2.757	3.740	3.5	20.2
4 21	12 51.17	−20 19.6	2.765	3.735	4.7	20.3
5 1	12 43.66	−19 52.3	2.802	3.731	6.9	20.4
5 11	12 37.53	−19 23.4	2.866	3.725	9.3	20.6

452371 2001 XR_{251} 4 6.8 98°.53 1°.6/ 8.1 18

3 2	13 31.22	−13 54.1	1.591	2.398	16.9	21.6
3 12	13 25.96	−13 28.6	1.529	2.421	13.1	21.4
3 22	13 18.22	−12 44.2	1.489	2.443	8.7	21.2
4 1	13 8.86	−11 44.0	1.473	2.464	4.0	21.0
4 11	12 59.06	−10 34.6	1.485	2.485	2.2	20.9
4 21	12 50.00	− 9 24.1	1.524	2.505	6.5	21.2
5 1	12 42.70	− 8 20.3	1.590	2.524	10.8	21.5
5 11	12 37.79	− 7 29.6	1.677	2.543	14.5	21.8

213012 1995 SA_{12} 4 6.8 269°.38 0°.0/ 6.7 17

3 2	13 28.03	− 9 37.0	1.715	2.537	15.3	21.2
3 12	13 23.87	− 9 11.3	1.614	2.517	11.8	21.0
3 22	13 17.20	− 8 30.0	1.536	2.497	7.6	20.7
4 1	13 8.62	− 7 36.0	1.483	2.477	2.9	20.3
4 11	12 59.13	− 6 34.9	1.457	2.456	2.1	20.2
4 21	12 49.87	− 5 34.1	1.458	2.436	7.1	20.5
5 1	12 41.98	− 4 41.0	1.485	2.414	11.8	20.7
5 11	12 36.34	− 4 1.9	1.534	2.393	15.9	20.9

201115 2002 JX_{12} 4 6.8 255°.69 4°.0/ 2.7 18

3 2	13 27.90	+ 3 36.2	2.229	3.064	11.7	20.5
3 12	13 23.07	+ 4 22.2	2.136	3.047	8.9	20.3
3 22	13 16.32	+ 5 11.2	2.068	3.030	6.0	20.1
4 1	13 8.20	+ 5 57.7	2.028	3.012	4.1	19.9
4 11	12 59.49	+ 6 36.2	2.016	2.993	5.2	19.9
4 21	12 51.04	+ 7 1.7	2.032	2.975	8.1	20.1
5 1	12 43.66	+ 7 11.3	2.074	2.956	11.3	20.2
5 11	12 38.01	+ 7 3.5	2.138	2.936	14.2	20.4

388694 2007 UR_{134} 4 6.8 78°.41 1°.2/ 8.1 17

3 2	13 24.55	−13 16.8	2.185	2.987	13.1	21.3
3 12	13 20.42	−12 47.5	2.111	3.001	10.1	21.2
3 22	13 14.53	−12 3.9	2.061	3.014	6.7	21.0
4 1	13 7.49	−11 9.0	2.037	3.028	3.0	20.8
4 11	13 0.08	−10 7.5	2.042	3.042	1.6	20.7
4 21	12 53.10	− 9 5.0	2.076	3.055	5.1	20.9
5 1	12 47.27	− 8 7.3	2.136	3.069	8.5	21.2
5 11	12 43.11	− 7 19.2	2.221	3.082	11.6	21.4

189428 1998 HB_2 4 6.8 238°.76 2°.3/ 4.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 30.02	− 4 45.2	1.647	2.481	15.3	22.0
3 12	13 25.38	− 3 50.3	1.555	2.466	11.6	21.7
3 22	13 18.15	− 2 41.8	1.485	2.451	7.3	21.4
4 1	13 8.97	− 1 25.3	1.441	2.435	3.0	21.1
4 11	12 58.92	− 0 9.1	1.425	2.419	3.9	21.1
4 21	12 49.20	+ 0 58.2	1.436	2.401	8.6	21.4
5 1	12 40.96	+ 1 49.3	1.472	2.383	13.2	21.6
5 11	12 35.06	+ 2 19.8	1.529	2.364	17.1	21.8

174617 2003 SX_{51} 4 6.8 176°.99 1°.2/ 5.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 29.93	− 5 50.6	2.021	2.840	13.4	21.2
3 12	13 24.66	− 5 12.6	1.939	2.843	10.1	21.0
3 22	13 17.33	− 4 24.4	1.882	2.845	6.3	20.7
4 1	13 8.56	− 3 30.2	1.851	2.846	2.3	20.5
4 11	12 59.28	− 2 35.9	1.850	2.847	2.6	20.5
4 21	12 50.41	− 1 47.1	1.878	2.846	6.6	20.7
5 1	12 42.84	− 1 8.9	1.932	2.845	10.4	21.0
5 11	12 37.20	− 0 44.8	2.009	2.844	13.7	21.2

246618 2008 WF_5 4 6.8 148°.84 0°.3/ 6.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 25.69	− 8 27.2	2.092	2.910	13.0	21.5
3 12	13 21.41	− 7 54.2	2.011	2.913	9.9	21.3
3 22	13 15.24	− 7 9.5	1.953	2.915	6.2	21.1
4 1	13 7.78	− 6 16.8	1.922	2.917	2.3	20.8
4 11	12 59.85	− 5 21.3	1.920	2.919	1.9	20.8
4 21	12 52.31	− 4 28.7	1.947	2.921	5.9	21.0
5 1	12 45.94	− 3 44.2	2.000	2.923	9.6	21.3
5 11	12 41.34	− 3 11.9	2.076	2.925	12.8	21.5

370774 2004 RK_{328} 4 6.8 128°.17 2°.8/ 9.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 29.51	−16 50.7	2.294	3.069	13.4	21.5
3 12	13 24.14	−16 55.0	2.214	3.082	10.6	21.3
3 22	13 16.90	−16 44.6	2.157	3.095	7.5	21.2
4 1	13 8.38	−16 20.3	2.127	3.108	4.3	21.0
4 11	12 59.43	−15 44.9	2.125	3.120	2.8	20.9
4 21	12 50.90	−15 2.8	2.153	3.131	5.1	21.1
5 1	12 43.56	−14 19.2	2.209	3.142	8.3	21.3
5 11	12 38.01	−13 39.3	2.289	3.153	11.2	21.5

64539 2001 VJ_{118} 4 6.8 93°.33 0°.1/ 6.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 25.85	− 8 5.2	2.384	3.197	11.8	19.8
3 12	13 21.22	− 7 45.0	2.311	3.210	8.9	19.7
3 22	13 14.97	− 7 15.6	2.262	3.222	5.6	19.5
4 1	13 7.65	− 6 40.0	2.240	3.235	2.1	19.2
4 11	12 59.98	− 6 2.2	2.248	3.248	1.6	19.2
4 21	12 52.70	− 5 26.4	2.285	3.260	5.1	19.5
5 1	12 46.48	− 4 56.6	2.349	3.272	8.4	19.7
5 11	12 41.83	− 4 36.0	2.438	3.284	11.2	19.9

159576 2001 VK_{40} 4 6.8 205°.60 1°.7/ 5.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 31.26	− 4 30.4	1.931	2.753	13.8	21.0
3 12	13 25.85	− 3 50.9	1.842	2.748	10.4	20.8
3 22	13 18.20	− 3 1.3	1.777	2.741	6.5	20.5
4 1	13 8.93	− 2 6.3	1.740	2.734	2.6	20.3
4 11	12 59.01	− 1 12.0	1.731	2.726	3.2	20.3
4 21	12 49.45	− 0 24.7	1.751	2.717	7.3	20.5
5 1	12 41.24	+ 0 10.4	1.797	2.707	11.3	20.7
5 11	12 35.08	+ 0 29.9	1.866	2.696	14.7	20.9

345677 2006 UY_{73} 4 6.8 47°.17 2°.5/ 9.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 23.42	−17 11.4	2.168	2.957	13.6	20.6
3 12	13 19.69	−16 51.1	2.086	2.963	10.8	20.4
3 22	13 14.15	−16 13.7	2.026	2.969	7.5	20.2
4 1	13 7.38	−15 21.1	1.992	2.975	4.2	20.0
4 11	13 0.17	−14 17.5	1.985	2.982	2.5	19.9
4 21	12 53.34	−13 8.6	2.007	2.988	5.1	20.1
5 1	12 47.65	−12 0.8	2.056	2.995	8.5	20.3
5 11	12 43.66	−11 0.0	2.130	3.002	11.6	20.5

153451 2001 QK_{283} 4 6.8 174°.94 6°.2/13.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 29.91	−28 10.1	2.358	3.069	14.7	20.6
3 12	13 24.69	−28 29.2	2.263	3.072	12.6	20.5
3 22	13 17.39	−28 27.5	2.189	3.075	10.1	20.3
4 1	13 8.62	−28 3.3	2.138	3.076	7.7	20.1
4 11	12 59.24	−27 17.7	2.115	3.077	6.3	20.1
4 21	12 50.21	−26 14.4	2.119	3.078	6.8	20.1
5 1	12 42.42	−24 59.9	2.150	3.077	8.8	20.2
5 11	12 36.53	−23 41.8	2.207	3.077	11.3	20.4

239455 2007 TS_{237} 4 6.8 205°.83 1°.8/ 4.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 27.53	− 2 2.0	2.386	3.211	11.4	20.7
3 12	13 22.58	− 1 39.4	2.301	3.208	8.6	20.5
3 22	13 15.89	− 1 11.6	2.241	3.205	5.4	20.3
4 1	13 8.02	− 0 42.1	2.209	3.202	2.3	20.1
4 11	12 59.70	− 0 15.0	2.206	3.199	2.9	20.1
4 21	12 51.70	+ 0 5.6	2.232	3.195	6.1	20.3
5 1	12 44.74	+ 0 16.8	2.285	3.191	9.3	20.5
5 11	12 39.37	+ 0 16.4	2.362	3.187	12.2	20.7

310461 2000 QD_{228} 4 6.8 161°.22 1°.7/ 5.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 30.18	− 4 42.3	2.099	2.919	12.9	21.4
3 12	13 24.71	− 3 52.0	2.023	2.927	9.7	21.2
3 22	13 17.28	− 2 52.2	1.971	2.935	6.0	21.0
4 1	13 8.54	− 1 48.1	1.947	2.942	2.4	20.8
4 11	12 59.35	− 0 45.6	1.953	2.947	3.0	20.8
4 21	12 50.62	+ 0 9.3	1.988	2.952	6.7	21.0
5 1	12 43.16	+ 0 51.8	2.050	2.956	10.3	21.3
5 11	12 37.56	+ 1 19.0	2.136	2.959	13.4	21.5

54584 2000 QC_{181} 4 6.8 218°.16 1°.5/ 5.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 32.13	− 4 12.5	1.881	2.704	14.1	19.0
3 12	13 26.60	− 3 52.4	1.791	2.697	10.7	18.8
3 22	13 18.73	− 3 23.8	1.725	2.689	6.7	18.5
4 1	13 9.15	− 2 50.3	1.685	2.680	2.6	18.3
4 11	12 58.86	− 2 17.3	1.674	2.670	2.9	18.3
4 21	12 48.92	− 1 50.0	1.691	2.660	7.2	18.5
5 1	12 40.36	− 1 33.1	1.735	2.650	11.3	18.7
5 11	12 33.93	− 1 29.6	1.801	2.638	14.9	18.9

3299 Hall 4 6.8 55°.52 3°.6/ 9.6 18 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 27.43	−17 39.4	1.355	2.167	19.1	16.6
3 12	13 23.74	−17 32.7	1.285	2.174	15.2	16.4
3 22	13 17.19	−17 0.8	1.234	2.182	10.7	16.1
4 1	13 8.60	−16 5.0	1.205	2.190	6.0	15.9
4 11	12 59.29	−14 51.2	1.201	2.198	3.7	15.8
4 21	12 50.63	−13 28.6	1.222	2.206	7.2	16.0
5 1	12 43.87	−12 8.0	1.268	2.214	11.8	16.3
5 11	12 39.79	−10 59.0	1.335	2.223	16.0	16.5

291574 2006 FY_{36} 4 6.8 314°.77 7°.0/ 3.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 40.74	+10 10.4	1.414	2.252	17.0	19.9
3 12	13 33.72	+10 16.6	1.341	2.248	13.4	19.7
3 22	13 23.48	+10 15.6	1.290	2.244	9.7	19.4
4 1	13 10.95	+ 9 59.9	1.263	2.240	7.1	19.3
4 11	12 57.58	+ 9 23.6	1.264	2.237	8.2	19.3
4 21	12 44.98	+ 8 24.8	1.290	2.234	11.7	19.5
5 1	12 34.54	+ 7 5.0	1.341	2.231	15.7	19.7
5 11	12 27.13	+ 5 28.2	1.412	2.228	19.3	20.0

53302 1999 GZ_{34} 4 6.8 326°.02 1°.3/ 7.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 33.35	− 8 41.7	1.629	2.447	16.1	18.0
3 12	13 27.95	− 9 17.9	1.542	2.441	12.5	17.7
3 22	13 19.81	− 9 44.4	1.476	2.435	8.3	17.5
4 1	13 9.61	−10 1.9	1.437	2.429	3.6	17.2
4 11	12 58.50	−10 12.6	1.424	2.424	2.2	17.0
4 21	12 47.77	−10 19.8	1.439	2.419	6.9	17.3
5 1	12 38.66	−10 27.6	1.479	2.414	11.4	17.6
5 11	12 32.05	−10 40.4	1.542	2.410	15.4	17.8

97710 2000 GU_{85} 4 6.8 49°.38 6°.9/31.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 24.76	+ 5 41.9	1.511	2.372	14.9	19.0
3 12	13 21.22	+ 7 30.8	1.457	2.379	11.4	18.8
3 22	13 15.32	+ 9 22.1	1.426	2.386	8.2	18.6
4 1	13 7.84	+11 4.8	1.420	2.394	7.0	18.6
4 11	12 59.87	+12 28.0	1.441	2.402	8.7	18.7
4 21	12 52.53	+13 24.5	1.486	2.410	11.9	18.9
5 1	12 46.77	+13 51.3	1.552	2.419	15.3	19.1
5 11	12 43.24	+13 49.2	1.637	2.427	18.2	19.3

295547 2008 SU_{13} 4 6.8 198°.11 1°.9/ 4.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 25.41	− 4 33.2	2.021	2.852	12.9	21.0
3 12	13 21.27	− 3 38.3	1.940	2.851	9.7	20.7
3 22	13 15.19	− 2 33.3	1.883	2.849	6.0	20.5
4 1	13 7.79	− 1 23.5	1.854	2.848	2.5	20.3
4 11	12 59.88	− 0 15.3	1.852	2.846	3.3	20.3
4 21	12 52.36	+ 0 44.8	1.879	2.844	7.0	20.6
5 1	12 46.03	+ 1 31.6	1.932	2.842	10.6	20.8
5 11	12 41.50	+ 2 1.8	2.008	2.839	13.8	21.0

331800 2003 QR_{80} 4 6.8 191°.10 0°.1/ 6.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 26.80	− 9 21.2	2.680	3.480	11.0	22.0
3 12	13 21.88	− 8 55.8	2.587	3.479	8.4	21.9
3 22	13 15.39	− 8 20.8	2.519	3.476	5.4	21.7
4 1	13 7.83	− 7 38.5	2.480	3.473	2.0	21.4
4 11	12 59.85	− 6 52.8	2.470	3.470	1.4	21.4
4 21	12 52.14	− 6 7.8	2.491	3.466	4.8	21.6
5 1	12 45.36	− 5 27.7	2.541	3.461	7.9	21.8
5 11	12 40.02	− 4 55.9	2.615	3.456	10.7	22.0

221064 2005 QL_{179} 4 6.8 206°.23 6°.9/30.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 29.93	+12 27.4	2.158	2.992	12.1	21.1
3 12	13 24.56	+13 36.0	2.087	2.987	9.7	20.9
3 22	13 17.22	+14 40.8	2.041	2.982	7.6	20.8
4 1	13 8.53	+15 34.4	2.022	2.976	7.0	20.7
4 11	12 59.36	+16 10.4	2.031	2.969	8.2	20.8
4 21	12 50.60	+16 24.8	2.065	2.962	10.5	20.9
5 1	12 43.10	+16 16.4	2.124	2.955	13.1	21.1
5 11	12 37.45	+15 46.5	2.203	2.947	15.4	21.2

352026 2006 VM_{45} 4 6.8 140°.44 3°.4/ 2.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 28.18	+ 4 45.7	2.667	3.494	10.3	21.5
3 12	13 22.78	+ 5 13.6	2.595	3.502	7.8	21.3
3 22	13 15.87	+ 5 41.7	2.550	3.509	5.2	21.2
4 1	13 7.99	+ 6 6.0	2.533	3.516	3.5	21.1
4 11	12 59.79	+ 6 22.7	2.546	3.522	4.3	21.1
4 21	12 51.96	+ 6 28.9	2.588	3.529	6.7	21.3
5 1	12 45.13	+ 6 23.1	2.657	3.535	9.3	21.5
5 11	12 39.76	+ 6 4.7	2.750	3.541	11.6	21.6

34033 2000 OH_{27} 4 6.8 244°.94 3°.7/10.7 18

3 2	13 26.03	−19 55.9	2.439	3.202	13.0	18.9
3 12	13 21.63	−20 5.4	2.339	3.196	10.6	18.7
3 22	13 15.41	−19 59.2	2.262	3.189	7.8	18.5
4 1	13 7.89	−19 37.5	2.210	3.181	5.1	18.4
4 11	12 59.81	−19 2.1	2.186	3.174	3.7	18.3
4 21	12 51.97	−18 16.8	2.191	3.167	5.2	18.3
5 1	12 45.16	−17 26.8	2.223	3.159	8.1	18.5
5 11	12 39.97	−16 37.8	2.280	3.151	10.9	18.7

11976 Josephthurn 4 6.8 99°.48 8°.6/ 3.9 18

3 2	13 48.39	+12 16.5	1.144	1.983	20.2	17.2
3 12	13 39.99	+12 17.2	1.084	1.989	16.0	16.9
3 22	13 27.61	+12 6.0	1.043	1.995	11.7	16.7
4 1	13 12.48	+11 33.6	1.027	2.002	8.8	16.6
4 11	12 56.57	+10 34.1	1.036	2.008	9.7	16.6
4 21	12 41.94	+ 9 7.7	1.070	2.014	13.5	16.8
5 1	12 30.25	+ 7 19.3	1.127	2.020	17.8	17.1
5 11	12 22.38	+ 5 15.8	1.204	2.026	21.7	17.4

175161 2005 ES_{71} 4 6.8 305°.45 5°.2/ 2.7 18

3 2	13 27.41	+ 2 28.6	1.438	2.295	15.8	19.8
3 12	13 23.59	+ 3 28.1	1.362	2.284	12.0	19.5
3 22	13 17.08	+ 4 33.9	1.307	2.274	8.0	19.2
4 1	13 8.59	+ 5 37.4	1.277	2.264	5.3	19.0
4 11	12 59.30	+ 6 29.1	1.273	2.255	6.8	19.1
4 21	12 50.49	+ 7 1.6	1.293	2.245	10.9	19.3
5 1	12 43.35	+ 7 10.3	1.336	2.236	15.1	19.5
5 11	12 38.70	+ 6 54.2	1.398	2.227	18.8	19.7

53282 1999 FT_{34} 4 6.8 52°.02 1°.0/ 7.6 18

3 2	13 27.75	−11 13.9	1.521	2.346	16.7	18.4
3 12	13 23.50	−10 59.5	1.458	2.361	12.8	18.1
3 22	13 16.78	−10 28.6	1.417	2.377	8.3	17.9
4 1	13 8.40	− 9 44.7	1.400	2.393	3.5	17.7
4 11	12 59.51	− 8 53.8	1.409	2.409	2.0	17.6
4 21	12 51.29	− 8 3.1	1.445	2.426	6.7	17.9
5 1	12 44.76	− 7 19.5	1.506	2.443	11.1	18.2
5 11	12 40.58	− 6 48.5	1.588	2.460	14.8	18.5

192524 1998 RY_{80} 4 6.8 276°.25 2°.5/ 8.7 17

3 2	13 27.48	−15 15.3	1.429	2.246	18.0	20.5
3 12	13 23.97	−15 2.3	1.335	2.230	14.4	20.2
3 22	13 17.55	−14 26.0	1.260	2.213	9.9	19.9
4 1	13 8.86	−13 27.4	1.208	2.197	5.0	19.5
4 11	12 59.08	−12 11.7	1.181	2.180	2.8	19.4
4 21	12 49.60	−10 47.8	1.180	2.164	7.5	19.6
5 1	12 41.80	− 9 26.4	1.204	2.147	12.7	19.8
5 11	12 36.67	− 8 17.4	1.248	2.130	17.4	20.0

77173 2001 ED_{26} 4 6.8 290°.70 0°.4/ 7.1 18

3 2	13 27.76	− 9 32.3	1.573	2.401	16.1	19.8
3 12	13 23.91	− 9 19.6	1.475	2.381	12.5	19.5
3 22	13 17.38	− 8 51.4	1.398	2.360	8.2	19.2
4 1	13 8.77	− 8 10.2	1.345	2.339	3.2	18.8
4 11	12 59.14	− 7 21.4	1.318	2.318	2.1	18.7
4 21	12 49.74	− 6 31.9	1.318	2.298	7.4	18.9
5 1	12 41.80	− 5 49.4	1.342	2.277	12.4	19.2
5 11	12 36.29	− 5 20.2	1.388	2.256	16.7	19.4

35718 1999 FE_{34} 4 6.8 307°.21 0°.9/ 5.9 18

3 2	13 24.93	− 8 55.4	1.394	2.236	17.0	19.0
3 12	13 21.81	− 8 0.8	1.314	2.229	13.0	18.7
3 22	13 15.99	− 6 46.5	1.254	2.222	8.2	18.4
4 1	13 8.21	− 5 18.2	1.219	2.215	2.9	18.1
4 11	12 59.61	− 3 45.3	1.209	2.208	3.0	18.0
4 21	12 51.48	− 2 18.5	1.225	2.201	8.4	18.3
5 1	12 45.03	− 1 7.4	1.265	2.195	13.3	18.6
5 11	12 41.07	− 0 18.2	1.325	2.189	17.6	18.8

271802 2004 TC_{82} 4 6.8 345°.70 1°.2/ 7.8 17

3 2	13 25.98	−12 0.0	1.757	2.574	15.2	21.2
3 12	13 22.07	−11 45.1	1.674	2.572	11.8	21.0
3 22	13 15.90	−11 14.5	1.613	2.570	7.8	20.7
4 1	13 8.11	−10 30.5	1.577	2.569	3.4	20.5
4 11	12 59.69	− 9 38.2	1.568	2.568	1.9	20.4
4 21	12 51.68	− 8 44.2	1.586	2.567	6.2	20.6
5 1	12 45.07	− 7 55.1	1.630	2.566	10.4	20.9
5 11	12 40.55	− 7 16.7	1.696	2.565	14.2	21.1

436333 2010 GD_{145} 4 6.8 287°.75 2°.9/ 9.8 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 24.74	−17 41.8	2.313	3.093	13.1	21.2
3 12	13 20.85	−17 36.3	2.198	3.069	10.6	21.0
3 22	13 15.04	−17 14.7	2.106	3.044	7.6	20.8
4 1	13 7.81	−16 37.4	2.039	3.019	4.5	20.5
4 11	12 59.88	−15 46.9	2.000	2.995	2.9	20.4
4 21	12 52.09	−14 47.7	1.990	2.970	5.3	20.5
5 1	12 45.29	−13 45.8	2.007	2.944	8.7	20.7
5 11	12 40.15	−12 47.4	2.048	2.919	12.0	20.8

145423 2005 QQ_4 4 6.8 264°.35 1°.2/ 5.4 18

3 2	13 24.36	− 5 2.6	2.451	3.274	11.2	20.5
3 12	13 20.25	− 4 27.1	2.354	3.260	8.5	20.3
3 22	13 14.49	− 3 43.3	2.281	3.246	5.3	20.1
4 1	13 7.55	− 2 54.6	2.236	3.231	2.0	19.8
4 11	13 0.11	− 2 5.8	2.221	3.217	2.4	19.8
4 21	12 52.89	− 1 21.6	2.234	3.202	5.8	20.0
5 1	12 46.61	− 0 46.1	2.274	3.187	9.1	20.2
5 11	12 41.82	− 0 22.5	2.339	3.172	12.0	20.4

374386 2005 UN_{478} 4 6.8 105°.35 0°.7/ 7.4 17

3 2	13 27.09	−11 5.2	1.821	2.637	14.8	22.0
3 12	13 22.77	−10 43.2	1.743	2.641	11.4	21.8
3 22	13 16.25	−10 6.4	1.687	2.646	7.4	21.6
4 1	13 8.22	− 9 17.8	1.657	2.650	3.0	21.3
4 11	12 59.64	− 8 22.9	1.654	2.654	1.8	21.2
4 21	12 51.52	− 7 27.9	1.679	2.659	6.1	21.5
5 1	12 44.78	− 6 39.3	1.730	2.663	10.2	21.8
5 11	12 40.09	− 6 2.3	1.804	2.667	13.8	22.0

217970 2001 VK_{25} 4 6.8 111°.03 0°.9/ 6.0 18

3 2	13 29.32	− 6 12.6	1.928	2.751	13.8	21.0
3 12	13 24.20	− 5 47.4	1.859	2.764	10.4	20.8
3 22	13 17.02	− 5 12.5	1.813	2.776	6.5	20.6
4 1	13 8.47	− 4 31.7	1.793	2.788	2.3	20.4
4 11	12 59.49	− 3 50.4	1.802	2.800	2.3	20.4
4 21	12 51.03	− 3 13.8	1.840	2.812	6.4	20.7
5 1	12 43.95	− 2 46.7	1.903	2.823	10.2	20.9
5 11	12 38.83	− 2 31.9	1.990	2.834	13.4	21.1

428036 2006 DA_{30} 4 6.8 125°.66 2°.7/ 3.5 17

3 2	13 25.64	− 2 8.3	2.303	3.132	11.6	21.5
3 12	13 21.09	− 0 52.0	2.237	3.147	8.6	21.3
3 22	13 14.90	+ 0 31.2	2.197	3.162	5.4	21.1
4 1	13 7.66	+ 1 55.6	2.186	3.176	2.8	21.0
4 11	13 0.10	+ 3 14.5	2.204	3.190	3.9	21.1
4 21	12 52.98	+ 4 22.2	2.251	3.203	6.9	21.3
5 1	12 46.96	+ 5 14.6	2.326	3.216	9.9	21.5
5 11	12 42.51	+ 5 49.5	2.423	3.228	12.5	21.7

508804 2000 TW_{17} 4 6.8 190°.52 0°.2/ 6.6 17

3 2	13 25.53	− 7 33.9	3.136	3.938	9.5	22.2
3 12	13 20.71	− 7 15.1	3.043	3.937	7.2	22.0
3 22	13 14.57	− 6 49.3	2.976	3.934	4.6	21.8
4 1	13 7.54	− 6 18.6	2.937	3.932	1.7	21.6
4 11	13 0.16	− 5 46.1	2.930	3.929	1.3	21.6
4 21	12 53.02	− 5 14.9	2.952	3.925	4.3	21.8
5 1	12 46.64	− 4 48.1	3.004	3.921	7.0	22.0
5 11	12 41.47	− 4 28.2	3.081	3.916	9.4	22.1

74596 1999 QQ 4 6.8 289°.76 0°.0/ 6.7 17

3 2	13 27.65	− 9 19.4	1.525	2.356	16.4	20.0
3 12	13 23.97	− 8 59.2	1.424	2.332	12.7	19.7
3 22	13 17.51	− 8 22.3	1.343	2.307	8.3	19.3
4 1	13 8.87	− 7 31.5	1.287	2.282	3.2	19.0
4 11	12 59.11	− 6 32.8	1.257	2.257	2.3	18.8
4 21	12 49.52	− 5 33.9	1.253	2.232	7.8	19.1
5 1	12 41.42	− 4 43.4	1.273	2.207	13.0	19.3
5 11	12 35.82	− 4 8.1	1.314	2.182	17.5	19.5

277881 2006 JC_{65} 4 6.8 239°.16 1°.2/ 5.5 17

3 2	13 24.46	− 7 9.9	2.102	2.926	12.7	21.1
3 12	13 20.56	− 6 13.6	2.012	2.919	9.6	20.9
3 22	13 14.78	− 5 5.0	1.947	2.912	6.0	20.6
4 1	13 7.68	− 3 48.5	1.909	2.904	2.2	20.4
4 11	13 0.05	− 2 30.6	1.900	2.896	2.6	20.4
4 21	12 52.74	− 1 17.9	1.919	2.888	6.5	20.6
5 1	12 46.55	− 0 16.7	1.965	2.880	10.2	20.8
5 11	12 42.08	+ 0 29.1	2.034	2.871	13.4	21.0

67148 2000 AG_{186} 4 6.8 160°.38 2°.1/ 4.1 18

3 2	13 25.98	− 2 17.1	2.599	3.422	10.6	19.5
3 12	13 21.22	− 1 21.5	2.523	3.430	7.9	19.3
3 22	13 14.95	− 0 19.9	2.472	3.436	5.0	19.2
4 1	13 7.68	+ 0 43.5	2.450	3.442	2.4	19.0
4 11	13 0.08	+ 1 43.4	2.459	3.448	3.2	19.1
4 21	12 52.82	+ 2 35.2	2.497	3.452	6.1	19.3
5 1	12 46.52	+ 3 15.4	2.562	3.456	8.9	19.4
5 11	12 41.65	+ 3 41.7	2.651	3.460	11.5	19.6

177781 2005 KJ_{13} 4 6.8 311°.73 2°.4/ 4.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 25.08	− 4 28.7	1.431	2.282	16.2	20.0
3 12	13 21.95	− 3 43.4	1.345	2.266	12.3	19.8
3 22	13 16.13	− 2 44.3	1.281	2.250	7.7	19.5
4 1	13 8.30	− 1 37.2	1.240	2.235	3.2	19.1
4 11	12 59.57	− 0 31.0	1.225	2.220	4.1	19.1
4 21	12 51.20	+ 0 25.6	1.235	2.206	9.0	19.4
5 1	12 44.42	+ 1 5.0	1.269	2.192	13.9	19.6
5 11	12 40.10	+ 1 22.9	1.321	2.179	18.1	19.8

313020 1999 XZ_{37} 4 6.8 118°.31 0°.0/ 6.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 30.70	− 9 14.4	1.857	2.670	14.6	21.5
3 12	13 25.31	− 8 51.1	1.788	2.686	11.1	21.3
3 22	13 17.76	− 8 15.1	1.742	2.702	7.1	21.1
4 1	13 8.76	− 7 29.9	1.722	2.716	2.7	20.8
4 11	12 59.32	− 6 40.9	1.731	2.731	1.9	20.8
4 21	12 50.45	− 5 54.1	1.768	2.745	6.2	21.1
5 1	12 43.05	− 5 15.1	1.832	2.758	10.2	21.4
5 11	12 37.74	− 4 47.9	1.919	2.771	13.5	21.6

304039 2006 DY_{119} 4 6.8 13°.13 3°.1/ 4.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 28.56	− 1 52.8	1.164	2.026	18.4	20.1
3 12	13 24.85	− 1 27.0	1.102	2.027	13.9	19.8
3 22	13 18.03	− 0 51.6	1.059	2.030	8.8	19.6
4 1	13 8.98	− 0 13.7	1.039	2.033	3.9	19.3
4 11	12 59.14	+ 0 18.2	1.043	2.037	4.8	19.3
4 21	12 50.05	+ 0 36.9	1.070	2.042	9.9	19.6
5 1	12 43.03	+ 0 37.2	1.120	2.048	14.9	19.9
5 11	12 38.94	+ 0 17.5	1.188	2.054	19.1	20.2

499283 2009 VH_{79} 4 6.8 177°.49 1°.9/ 8.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 29.27	−14 49.8	2.500	3.279	12.3	22.9
3 12	13 23.90	−14 44.0	2.408	3.282	9.7	22.7
3 22	13 16.76	−14 25.2	2.340	3.283	6.6	22.5
4 1	13 8.40	−13 54.6	2.299	3.284	3.4	22.3
4 11	12 59.56	−13 15.3	2.288	3.285	2.1	22.2
4 21	12 51.03	−12 31.4	2.306	3.285	4.8	22.4
5 1	12 43.55	−11 47.6	2.353	3.284	8.0	22.6
5 11	12 37.70	−11 8.7	2.426	3.282	10.9	22.8

90125 Chrissquire 4 6.8 95°.85 0°.6/ 6.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 29.29	− 6 58.4	1.742	2.568	14.9	19.6
3 12	13 24.43	− 6 37.3	1.671	2.578	11.3	19.4
3 22	13 17.29	− 6 4.9	1.624	2.587	7.1	19.1
4 1	13 8.62	− 5 25.2	1.602	2.597	2.6	18.9
4 11	12 59.42	− 4 43.8	1.607	2.606	2.3	18.9
4 21	12 50.78	− 4 6.5	1.641	2.615	6.8	19.2
5 1	12 43.63	− 3 38.6	1.699	2.625	10.9	19.4
5 11	12 38.64	− 3 23.7	1.781	2.633	14.4	19.7

226061 2002 GT_{164} 4 6.8 26°.13 1°.4/ 8.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 21.60	−15 42.8	1.541	2.360	16.8	19.5
3 12	13 18.93	−14 41.8	1.470	2.368	13.1	19.3
3 22	13 13.95	−13 16.6	1.419	2.376	8.7	19.0
4 1	13 7.39	−11 31.8	1.393	2.384	3.9	18.8
4 11	13 0.31	− 9 36.5	1.394	2.394	2.0	18.7
4 21	12 53.79	− 7 41.4	1.421	2.404	6.5	19.0
5 1	12 48.79	− 5 57.2	1.474	2.414	11.0	19.2
5 11	12 45.94	− 4 31.7	1.550	2.425	14.9	19.5

236974 2008 EK_{137} 4 6.8 234°.16 1°.1/ 4.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 16.92	− 2 46.4	4.681	5.501	6.3	20.9
3 12	13 13.91	− 2 3.4	4.591	5.496	4.7	20.8
3 22	13 10.14	− 1 16.8	4.527	5.492	2.9	20.7
4 1	13 5.86	− 0 28.9	4.494	5.487	1.3	20.5
4 11	13 1.41	+ 0 17.7	4.492	5.482	1.7	20.6
4 21	12 57.09	+ 1 0.7	4.520	5.478	3.5	20.7
5 1	12 53.20	+ 1 38.1	4.577	5.473	5.3	20.8
5 11	12 50.01	+ 2 8.3	4.659	5.468	6.9	20.9

44829 1999 TS_{247} 4 6.8 244°.06 3°.3/ 3.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 27.93	− 1 19.9	1.661	2.505	14.7	19.1
3 12	13 23.63	− 0 26.5	1.582	2.499	11.1	18.9
3 22	13 16.94	+ 0 35.8	1.526	2.493	7.0	18.6
4 1	13 8.53	+ 1 40.4	1.495	2.487	3.6	18.4
4 11	12 59.45	+ 2 39.4	1.492	2.481	4.8	18.5
4 21	12 50.81	+ 3 25.6	1.515	2.474	8.8	18.7
5 1	12 43.65	+ 3 53.8	1.562	2.468	12.9	18.9
5 11	12 38.70	+ 4 1.7	1.630	2.461	16.5	19.1

429170 2009 VA_{60} 4 6.8 103°.97 5°.0/ 1.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 29.44	+ 6 23.5	2.079	2.916	12.4	21.2
3 12	13 24.03	+ 7 20.9	2.026	2.936	9.4	21.0
3 22	13 16.77	+ 8 17.6	1.998	2.955	6.6	20.9
4 1	13 8.36	+ 9 7.3	1.997	2.973	5.0	20.8
4 11	12 59.66	+ 9 44.1	2.025	2.991	6.1	20.9
4 21	12 51.53	+10 4.4	2.080	3.009	8.8	21.1
5 1	12 44.73	+10 6.4	2.160	3.027	11.5	21.3
5 11	12 39.75	+ 9 50.4	2.261	3.044	14.0	21.5

326084 2011 BJ_{28} 4 6.8 100°.77 0°.3/ 7.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 22.31	− 9 46.4	3.384	4.182	9.0	21.9
3 12	13 18.16	− 9 27.2	3.307	4.197	6.8	21.7
3 22	13 12.89	− 9 0.6	3.257	4.213	4.4	21.6
4 1	13 6.90	− 8 28.8	3.235	4.228	1.7	21.4
4 11	13 0.69	− 7 54.4	3.243	4.243	1.1	21.4
4 21	12 54.74	− 7 20.4	3.281	4.257	3.7	21.6
5 1	12 49.50	− 6 49.6	3.349	4.272	6.1	21.8
5 11	12 45.34	− 6 24.6	3.442	4.286	8.3	21.9

264741 2002 CJ_{192} 4 6.8 35°.60 2°.4/ 4.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 26.26	− 3 17.0	1.525	2.372	15.5	20.5
3 12	13 22.37	− 2 36.7	1.462	2.381	11.6	20.3
3 22	13 16.08	− 1 46.9	1.422	2.391	7.3	20.1
4 1	13 8.19	− 0 53.6	1.407	2.401	3.1	19.9
4 11	12 59.78	− 0 4.4	1.418	2.412	3.9	19.9
4 21	12 52.00	+ 0 34.0	1.455	2.424	8.2	20.2
5 1	12 45.82	+ 0 56.7	1.516	2.436	12.3	20.5
5 11	12 41.89	+ 1 1.4	1.598	2.448	15.9	20.7

337675 2001 TO_{188} 4 6.8 76°.71 1°.7/ 5.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 30.23	− 1 52.7	2.309	3.130	11.9	21.0
3 12	13 24.41	− 1 37.2	2.253	3.158	8.8	20.9
3 22	13 16.92	− 1 17.4	2.222	3.185	5.5	20.7
4 1	13 8.40	− 0 56.6	2.220	3.213	2.3	20.5
4 11	12 59.66	− 0 38.8	2.247	3.240	2.8	20.6
4 21	12 51.45	− 0 27.2	2.303	3.267	5.9	20.8
5 1	12 44.47	− 0 24.3	2.387	3.294	9.0	21.1
5 11	12 39.18	− 0 31.6	2.494	3.320	11.6	21.3

433439 2013 TW_{124} 4 6.8 94°.03 0°.5/ 7.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 28.19	−10 3.3	2.051	2.861	13.5	21.9
3 12	13 23.25	− 9 46.2	1.981	2.877	10.3	21.7
3 22	13 16.39	− 9 17.2	1.935	2.893	6.6	21.5
4 1	13 8.26	− 8 39.2	1.916	2.909	2.6	21.3
4 11	12 59.74	− 7 56.8	1.925	2.925	1.6	21.3
4 21	12 51.71	− 7 15.1	1.962	2.940	5.6	21.6
5 1	12 44.97	− 6 39.1	2.027	2.955	9.2	21.8
5 11	12 40.08	− 6 12.7	2.116	2.970	12.3	22.0

251025 2006 QC_{60} 4 6.8 202°.86 0°.2/ 7.1 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 29.14	−10 15.9	2.117	2.923	13.3	22.0
3 12	13 24.12	− 9 45.8	2.024	2.918	10.2	21.8
3 22	13 17.07	− 9 2.5	1.955	2.913	6.6	21.6
4 1	13 8.57	− 8 8.7	1.913	2.907	2.6	21.3
4 11	12 59.48	− 7 9.6	1.900	2.900	1.7	21.2
4 21	12 50.72	− 6 10.9	1.916	2.892	5.8	21.5
5 1	12 43.15	− 5 18.6	1.960	2.884	9.7	21.7
5 11	12 37.44	− 4 37.4	2.027	2.875	13.1	21.9

200594 2001 RG_{69} 4 6.8 233°.31 1°.2/ 7.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 29.75	−13 7.5	1.798	2.602	15.4	20.5
3 12	13 25.08	−12 39.8	1.698	2.589	12.0	20.2
3 22	13 17.94	−11 53.7	1.621	2.575	8.0	20.0
4 1	13 8.97	−10 51.4	1.569	2.561	3.6	19.7
4 11	12 59.16	− 9 38.3	1.545	2.545	2.0	19.5
4 21	12 49.62	− 8 21.9	1.549	2.529	6.5	19.8
5 1	12 41.48	− 7 10.3	1.580	2.512	11.1	20.0
5 11	12 35.54	− 6 10.8	1.634	2.494	15.1	20.2

107227 2001 BJ_{52} 4 6.8 177°.77 1°.4/ 8.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 30.76	−13 27.7	2.214	3.002	13.4	20.9
3 12	13 25.23	−13 10.6	2.124	3.005	10.4	20.7
3 22	13 17.70	−12 39.2	2.058	3.007	7.0	20.5
4 1	13 8.79	−11 55.5	2.019	3.008	3.3	20.2
4 11	12 59.34	−11 3.5	2.010	3.009	1.8	20.1
4 21	12 50.26	−10 8.4	2.030	3.008	5.3	20.4
5 1	12 42.39	− 9 16.0	2.078	3.007	9.0	20.6
5 11	12 36.37	− 8 31.4	2.151	3.004	12.2	20.8

501965 2014 YQ_{20} 4 6.8 23°.78 8°.5/13.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 27.85	−26 44.7	1.477	2.240	20.0	20.1
3 12	13 24.21	−27 39.1	1.403	2.245	17.1	19.9
3 22	13 17.64	−28 6.2	1.345	2.250	13.7	19.7
4 1	13 8.89	−28 2.2	1.308	2.257	10.5	19.5
4 11	12 59.24	−27 27.4	1.294	2.263	8.6	19.4
4 21	12 50.13	−26 27.1	1.304	2.271	9.2	19.5
5 1	12 42.88	−25 10.8	1.338	2.278	11.9	19.6
5 11	12 38.39	−23 50.2	1.393	2.287	15.2	19.9

125375 2001 VG_{77} 4 6.8 44°.49 0°.0/ 6.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 26.13	−10 16.3	1.415	2.251	17.2	19.2
3 12	13 22.36	− 9 40.9	1.361	2.270	13.0	19.0
3 22	13 16.09	− 8 48.4	1.327	2.291	8.3	18.8
4 1	13 8.18	− 7 43.9	1.317	2.312	3.1	18.5
4 11	12 59.84	− 6 35.4	1.334	2.334	2.1	18.5
4 21	12 52.25	− 5 31.4	1.376	2.356	7.1	18.9
5 1	12 46.40	− 4 39.2	1.443	2.378	11.6	19.2
5 11	12 42.92	− 4 3.6	1.531	2.401	15.4	19.5

259017 2002 TH_{158} 4 6.8 50°.64 9°.9/31.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 34.57	+14 50.6	1.317	2.168	17.3	19.7
3 12	13 28.56	+15 53.2	1.289	2.196	13.8	19.6
3 22	13 19.82	+16 43.4	1.282	2.224	11.0	19.5
4 1	13 9.48	+17 11.4	1.298	2.253	9.9	19.5
4 11	12 58.99	+17 10.6	1.339	2.282	11.1	19.6
4 21	12 49.69	+16 39.9	1.402	2.312	13.6	19.8
5 1	12 42.58	+15 42.3	1.487	2.341	16.5	20.1
5 11	12 38.17	+14 23.0	1.590	2.371	19.0	20.3

121007 1999 AT_{9} 4 6.8 118°.39 5°.9/ 1.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 33.00	+ 6 42.1	1.875	2.711	13.6	20.1
3 12	13 26.83	+ 8 6.3	1.828	2.736	10.4	20.0
3 22	13 18.58	+ 9 29.8	1.806	2.760	7.4	19.8
4 1	13 9.05	+10 44.2	1.812	2.784	5.9	19.8
4 11	12 59.24	+11 42.0	1.845	2.806	7.2	19.9
4 21	12 50.15	+12 18.7	1.907	2.827	10.0	20.1
5 1	12 42.61	+12 32.4	1.992	2.847	12.8	20.3
5 11	12 37.17	+12 24.3	2.098	2.866	15.4	20.5

59611 1999 JY_{67} 4 6.8 285°.64 0°.0/ 6.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 23.59	−11 47.4	1.802	2.622	14.7	19.2
3 12	13 20.35	−10 47.7	1.702	2.604	11.4	18.9
3 22	13 14.91	− 9 28.0	1.625	2.586	7.3	18.7
4 1	13 7.83	− 7 52.2	1.573	2.568	2.8	18.3
4 11	13 0.01	− 6 7.9	1.550	2.549	2.0	18.2
4 21	12 52.48	− 4 24.2	1.554	2.531	6.8	18.5
5 1	12 46.19	− 2 50.3	1.584	2.513	11.3	18.7
5 11	12 41.92	− 1 33.6	1.638	2.495	15.2	18.9

110477 2001 TM_{56} 4 6.8 95°.99 0°.0/ 6.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 33.88	− 6 54.8	1.816	2.631	14.8	19.9
3 12	13 27.84	− 7 7.8	1.743	2.643	11.3	19.7
3 22	13 19.45	− 7 11.7	1.694	2.654	7.2	19.5
4 1	13 9.45	− 7 8.8	1.671	2.666	2.7	19.2
4 11	12 58.92	− 7 2.5	1.677	2.677	1.9	19.2
4 21	12 48.94	− 6 56.7	1.712	2.688	6.3	19.5
5 1	12 40.52	− 6 55.4	1.772	2.699	10.4	19.8
5 11	12 34.33	− 7 1.9	1.857	2.710	13.8	20.0

213424 2001 XS_{88} 4 6.8 129°.25 0°.4/ 7.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 24.58	−10 48.4	2.708	3.508	10.9	20.9
3 12	13 20.15	−10 16.5	2.630	3.520	8.3	20.7
3 22	13 14.28	− 9 34.3	2.575	3.531	5.3	20.5
4 1	13 7.47	− 8 44.5	2.550	3.543	2.1	20.3
4 11	13 0.35	− 7 51.0	2.553	3.553	1.3	20.3
4 21	12 53.56	− 6 58.1	2.587	3.564	4.5	20.5
5 1	12 47.69	− 6 10.1	2.649	3.574	7.5	20.7
5 11	12 43.20	− 5 30.6	2.737	3.583	10.1	20.9

303869 2005 SF_{291} 4 6.8 180°.46 3°.6/11.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 23.33	−23 25.4	2.722	3.465	12.3	20.8
3 12	13 19.39	−23 0.9	2.625	3.465	10.1	20.6
3 22	13 13.90	−22 18.5	2.550	3.465	7.6	20.5
4 1	13 7.36	−21 19.0	2.501	3.465	5.1	20.3
4 11	13 0.44	−20 5.3	2.480	3.465	3.6	20.2
4 21	12 53.81	−18 42.3	2.489	3.465	4.7	20.3
5 1	12 48.12	−17 15.9	2.527	3.464	7.2	20.4
5 11	12 43.86	−15 52.1	2.591	3.463	9.7	20.6

394838 2008 SL_{189} 4 6.8 294°.74 1°.7/ 7.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 27.36	−12 32.4	1.297	2.130	18.6	21.7
3 12	13 24.24	−12 25.7	1.202	2.108	14.7	21.3
3 22	13 17.97	−11 57.6	1.125	2.085	10.0	21.0
4 1	13 9.16	−11 9.2	1.071	2.063	4.5	20.6
4 11	12 59.03	−10 6.1	1.041	2.041	2.5	20.4
4 21	12 49.11	− 8 56.9	1.036	2.019	8.2	20.7
5 1	12 40.93	− 7 52.4	1.053	1.998	13.9	20.9
5 11	12 35.67	− 7 2.1	1.090	1.976	19.0	21.1

145308 2005 LD_{1} 4 6.8 279°.58 1°.3/ 5.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 26.90	− 6 44.3	1.690	2.522	15.0	20.7
3 12	13 23.06	− 6 3.5	1.591	2.502	11.4	20.4
3 22	13 16.75	− 5 8.3	1.515	2.481	7.2	20.1
4 1	13 8.58	− 4 3.0	1.464	2.459	2.7	19.8
4 11	12 59.51	− 2 54.7	1.441	2.438	3.0	19.7
4 21	12 50.69	− 1 51.2	1.444	2.416	7.8	20.0
5 1	12 43.22	− 1 0.0	1.472	2.395	12.4	20.2
5 11	12 37.96	− 0 26.3	1.522	2.373	16.5	20.4

24786 1993 TM_{24} 4 6.8 135°.59 1°.3/ 5.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 27.28	− 4 21.3	2.444	3.262	11.4	19.6
3 12	13 22.29	− 3 49.1	2.370	3.274	8.5	19.4
3 22	13 15.69	− 3 10.0	2.321	3.284	5.3	19.2
4 1	13 8.01	− 2 27.8	2.300	3.295	2.1	19.0
4 11	13 0.00	− 1 46.7	2.309	3.305	2.4	19.1
4 21	12 52.37	− 1 11.1	2.348	3.314	5.7	19.3
5 1	12 45.79	− 0 44.4	2.413	3.323	8.8	19.5
5 11	12 40.77	− 0 29.1	2.503	3.332	11.5	19.7

466662 2014 WV_{118} 4 6.8 131°.39 1°.3/ 8.0 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 29.60	−12 33.6	1.935	2.738	14.5	22.1
3 12	13 24.54	−12 20.7	1.858	2.748	11.3	21.9
3 22	13 17.34	−11 53.2	1.804	2.757	7.5	21.7
4 1	13 8.68	−11 13.3	1.776	2.767	3.4	21.5
4 11	12 59.52	−10 25.6	1.776	2.775	1.9	21.4
4 21	12 50.83	− 9 35.8	1.804	2.784	5.7	21.7
5 1	12 43.53	− 8 49.8	1.860	2.792	9.6	21.9
5 11	12 38.24	− 8 12.8	1.939	2.800	13.0	22.1

134607 1999 TK_{197} 4 6.8 238°.43 1°.8/ 8.4 17 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 29.92	−13 39.9	1.979	2.775	14.5	20.7
3 12	13 25.04	−13 30.4	1.876	2.761	11.4	20.5
3 22	13 17.86	−13 5.2	1.795	2.745	7.7	20.2
4 1	13 8.96	−12 25.6	1.741	2.730	3.8	19.9
4 11	12 59.27	−11 35.2	1.714	2.713	2.1	19.8
4 21	12 49.81	−10 39.8	1.717	2.696	6.0	20.0
5 1	12 41.59	− 9 45.9	1.746	2.679	10.1	20.2
5 11	12 35.42	− 8 59.9	1.799	2.660	13.8	20.4

229204 2004 VJ_{14} 4 6.8 186°.09 1°.4/ 5.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 27.34	− 4 27.1	2.457	3.275	11.3	21.3
3 12	13 22.42	− 3 50.0	2.372	3.275	8.5	21.1
3 22	13 15.83	− 3 5.4	2.311	3.274	5.3	20.9
4 1	13 8.10	− 2 16.9	2.279	3.273	2.1	20.7
4 11	12 59.95	− 1 29.3	2.276	3.271	2.5	20.7
4 21	12 52.10	− 0 47.1	2.303	3.269	5.8	20.9
5 1	12 45.28	− 0 14.3	2.358	3.266	9.0	21.1
5 11	12 39.99	+ 0 6.5	2.437	3.262	11.8	21.3

464683 2001 UK_{118} 4 6.8 110°.38 4°.5/ 3.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 32.58	+ 5 0.4	1.950	2.784	13.2	21.2
3 12	13 26.56	+ 5 34.8	1.890	2.799	10.0	21.1
3 22	13 18.48	+ 6 9.2	1.854	2.814	6.7	20.9
4 1	13 9.06	+ 6 38.0	1.846	2.828	4.6	20.8
4 11	12 59.30	+ 6 55.9	1.865	2.842	5.6	20.9
4 21	12 50.14	+ 6 59.2	1.913	2.856	8.5	21.1
5 1	12 42.44	+ 6 46.5	1.986	2.869	11.7	21.3
5 11	12 36.77	+ 6 17.8	2.081	2.882	14.4	21.5

95466 2002 DB_{10} 4 6.8 300°.62 5°.6/ 1.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 28.16	+ 8 52.4	2.178	3.016	11.8	18.9
3 12	13 23.43	+ 9 32.8	2.083	2.991	9.3	18.7
3 22	13 16.69	+10 12.0	2.012	2.965	6.8	18.5
4 1	13 8.49	+10 43.8	1.968	2.940	5.6	18.4
4 11	12 59.64	+11 2.6	1.952	2.914	6.7	18.4
4 21	12 51.02	+11 4.2	1.963	2.889	9.4	18.5
5 1	12 43.49	+10 46.6	1.998	2.863	12.4	18.6
5 11	12 37.74	+10 9.9	2.055	2.838	15.2	18.8

369267 2009 OE_{15} 4 6.8 236°.43 3°.0/ 3.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 27.32	− 1 30.3	2.014	2.848	12.8	22.0
3 12	13 22.85	− 0 31.2	1.924	2.836	9.7	21.8
3 22	13 16.34	+ 0 36.5	1.858	2.824	6.2	21.6
4 1	13 8.36	+ 1 46.9	1.820	2.811	3.2	21.4
4 11	12 59.75	+ 2 53.0	1.810	2.798	4.3	21.4
4 21	12 51.46	+ 3 48.5	1.828	2.784	7.9	21.6
5 1	12 44.34	+ 4 28.2	1.872	2.770	11.5	21.8
5 11	12 39.09	+ 4 49.4	1.938	2.755	14.8	22.0

509598 2008 EX_{9} 4 6.8 323°.57 2°.6/ 3.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 22.89	− 1 44.1	2.315	3.150	11.3	21.7
3 12	13 19.16	− 0 44.2	2.236	3.149	8.5	21.5
3 22	13 13.81	+ 0 22.6	2.182	3.149	5.3	21.3
4 1	13 7.36	+ 1 31.0	2.157	3.148	2.8	21.1
4 11	13 0.51	+ 2 35.3	2.160	3.147	3.7	21.2
4 21	12 53.98	+ 3 30.0	2.191	3.147	6.8	21.4
5 1	12 48.45	+ 4 11.1	2.249	3.146	9.9	21.6
5 11	12 44.44	+ 4 36.2	2.329	3.146	12.6	21.8

250343 2003 ST_{178} 4 6.8 253°.30 0°.8/ 7.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 29.74	−11 5.1	1.798	2.610	15.1	21.7
3 12	13 25.13	−10 47.7	1.696	2.592	11.8	21.4
3 22	13 18.05	−10 14.8	1.616	2.574	7.8	21.1
4 1	13 9.09	− 9 28.3	1.562	2.555	3.2	20.8
4 11	12 59.22	− 8 33.2	1.536	2.536	1.9	20.7
4 21	12 49.58	− 7 36.1	1.537	2.516	6.6	20.9
5 1	12 41.28	− 6 44.0	1.564	2.495	11.2	21.2
5 11	12 35.18	− 6 3.3	1.614	2.474	15.2	21.3

287889 2003 SG_{334} 4 6.8 36°.43 0°.0/ 6.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 28.08	− 8 21.8	1.306	2.148	17.9	20.3
3 12	13 24.20	− 8 6.4	1.243	2.157	13.7	20.0
3 22	13 17.49	− 7 35.4	1.201	2.167	8.7	19.8
4 1	13 8.82	− 6 53.2	1.182	2.177	3.2	19.5
4 11	12 59.50	− 6 6.9	1.188	2.188	2.4	19.4
4 21	12 50.89	− 5 24.2	1.219	2.199	7.8	19.8
5 1	12 44.18	− 4 52.3	1.273	2.210	12.7	20.1
5 11	12 40.12	− 4 35.9	1.348	2.223	16.8	20.4

290416 2005 TY_{60} 4 6.8 278°.06 2°.1/ 9.0 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 25.28	−14 50.7	2.378	3.168	12.5	21.4
3 12	13 21.11	−14 48.8	2.278	3.157	9.9	21.2
3 22	13 15.16	−14 33.5	2.201	3.147	6.8	21.0
4 1	13 7.91	−14 6.1	2.151	3.136	3.6	20.8
4 11	13 0.12	−13 29.2	2.128	3.126	2.2	20.7
4 21	12 52.55	−12 47.1	2.135	3.115	4.9	20.8
5 1	12 45.97	−12 4.6	2.169	3.104	8.3	21.0
5 11	12 41.00	−11 26.8	2.228	3.094	11.3	21.2

316323 2010 RW_{108} 4 6.8 291°.43 0°.0/ 6.7 17

3 2	13 28.01	− 8 57.5	1.496	2.329	16.6	20.9
3 12	13 24.28	− 8 41.8	1.399	2.307	12.9	20.6
3 22	13 17.76	− 8 10.3	1.322	2.286	8.4	20.3
4 1	13 9.05	− 7 25.8	1.270	2.265	3.2	19.9
4 11	12 59.25	− 6 34.0	1.244	2.244	2.3	19.8
4 21	12 49.67	− 5 42.6	1.243	2.222	7.8	20.1
5 1	12 41.63	− 4 59.6	1.266	2.201	12.9	20.3
5 11	12 36.12	− 4 31.4	1.311	2.180	17.5	20.5

347766 2002 CH_{70} 4 6.8 4°.95 5°.3/11.7 18

3 2	13 27.13	−22 8.0	2.089	2.849	15.0	20.1
3 12	13 22.83	−22 47.2	2.000	2.849	12.4	19.9
3 22	13 16.39	−23 8.8	1.933	2.850	9.5	19.7
4 1	13 8.41	−23 11.5	1.890	2.851	6.8	19.6
4 11	12 59.77	−22 56.2	1.873	2.852	5.3	19.5
4 21	12 51.44	−22 26.2	1.883	2.854	6.5	19.5
5 1	12 44.36	−21 47.1	1.920	2.856	9.1	19.7
5 11	12 39.22	−21 5.4	1.980	2.859	12.0	19.9

112453 2002 OC_{9} 4 6.8 191°.93 1°.9/ 4.5 18

3 2	13 25.03	− 3 27.3	2.440	3.265	11.2	20.3
3 12	13 20.71	− 2 33.1	2.356	3.264	8.4	20.1
3 22	13 14.78	− 1 31.3	2.297	3.262	5.2	19.9
4 1	13 7.74	− 0 26.2	2.267	3.260	2.3	19.7
4 11	13 0.29	+ 0 36.6	2.266	3.257	3.1	19.8
4 21	12 53.15	+ 1 32.1	2.294	3.254	6.2	19.9
5 1	12 46.98	+ 2 15.9	2.349	3.251	9.3	20.1
5 11	12 42.32	+ 2 45.5	2.428	3.247	12.1	20.3

390214 2012 XA_{26} 4 6.8 48°.96 2°.7/ 4.2 17

3 2	13 26.07	− 0 26.1	2.051	2.888	12.5	21.2
3 12	13 21.65	+ 0 7.4	1.987	2.901	9.3	21.0
3 22	13 15.40	+ 0 45.5	1.948	2.914	5.9	20.8
4 1	13 7.96	+ 1 23.5	1.935	2.927	3.0	20.7
4 11	13 0.17	+ 1 56.2	1.951	2.940	3.8	20.7
4 21	12 52.85	+ 2 19.1	1.994	2.954	7.0	21.0
5 1	12 46.76	+ 2 29.3	2.063	2.968	10.3	21.2
5 11	12 42.41	+ 2 25.4	2.154	2.982	13.1	21.4

380430 2003 QX_{44} 4 6.8 187°.08 0°.0/ 6.6 18

3 2	13 27.54	− 8 46.4	2.635	3.437	11.1	22.0
3 12	13 22.51	− 8 24.1	2.544	3.437	8.5	21.8
3 22	13 15.88	− 7 52.5	2.478	3.436	5.4	21.6
4 1	13 8.16	− 7 14.1	2.440	3.434	2.0	21.4
4 11	13 0.01	− 6 32.6	2.432	3.432	1.4	21.3
4 21	12 52.14	− 5 52.1	2.454	3.429	4.9	21.5
5 1	12 45.22	− 5 16.7	2.505	3.425	8.0	21.7
5 11	12 39.77	− 4 49.5	2.581	3.421	10.8	21.9

170135 2003 AH_{56} 4 6.8 85°.26 1°.3/ 8.4 18

3 2	13 24.85	−14 7.3	2.278	3.074	12.8	20.4
3 12	13 20.63	−13 36.4	2.206	3.091	9.9	20.2
3 22	13 14.72	−12 51.2	2.157	3.107	6.6	20.0
4 1	13 7.71	−11 54.4	2.134	3.124	3.1	19.8
4 11	13 0.36	−10 50.8	2.141	3.140	1.7	19.7
4 21	12 53.43	− 9 45.8	2.176	3.156	4.9	20.0
5 1	12 47.62	− 8 45.0	2.239	3.172	8.2	20.2
5 11	12 43.43	− 7 53.2	2.327	3.188	11.1	20.4

471191 2010 NJ_{83} 4 6.8 149°.68 1°.7/ 8.9 18

3 2	13 25.51	−14 11.6	2.908	3.689	10.7	21.2
3 12	13 20.87	−14 12.6	2.819	3.694	8.4	21.1
3 22	13 14.79	−14 3.2	2.753	3.698	5.7	20.9
4 1	13 7.74	−13 44.6	2.716	3.701	3.0	20.7
4 11	13 0.32	−13 19.1	2.708	3.705	1.8	20.6
4 21	12 53.15	−12 49.7	2.729	3.708	4.1	20.8
5 1	12 46.84	−12 20.2	2.780	3.711	6.8	21.0
5 11	12 41.84	−11 53.9	2.856	3.715	9.4	21.1

366459 2002 CO_{11} 4 6.8 136°.14 15°.4/22.3 18

3 2	13 29.11	+17 50.3	1.073	1.942	19.0	20.1
3 12	13 25.57	+21 39.9	1.042	1.948	16.4	19.9
3 22	13 18.62	+25 14.6	1.033	1.955	15.4	19.9
4 1	13 9.30	+28 11.4	1.047	1.960	16.3	19.9
4 11	12 59.26	+30 13.8	1.082	1.966	18.6	20.1
4 21	12 50.20	+31 16.4	1.135	1.971	21.5	20.3
5 1	12 43.50	+31 22.9	1.202	1.975	24.2	20.5
5 11	12 39.96	+30 42.6	1.280	1.979	26.5	20.7

2739 Taguacipa 4 6.8 266°.85 0°.7/ 7.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 27.71	−11 0.3	1.736	2.554	15.3	17.5
3 12	13 23.60	−10 40.8	1.641	2.541	11.9	17.2
3 22	13 17.07	−10 5.3	1.568	2.527	7.8	16.9
4 1	13 8.73	− 9 16.4	1.521	2.514	3.2	16.6
4 11	12 59.58	− 8 19.4	1.500	2.500	1.9	16.5
4 21	12 50.72	− 7 21.1	1.507	2.486	6.6	16.8
5 1	12 43.25	− 6 28.7	1.539	2.472	11.2	17.0
5 11	12 37.96	− 5 48.4	1.593	2.458	15.2	17.2

357317 2003 FL_{131} 4 6.8 341°.68 0°.5/ 6.5 17

3 2	13 22.56	− 9 14.4	1.112	1.971	19.2	20.9
3 12	13 20.65	− 8 39.6	1.038	1.961	14.8	20.6
3 22	13 15.64	− 7 42.8	0.982	1.952	9.5	20.2
4 1	13 8.28	− 6 29.2	0.948	1.944	3.5	19.9
4 11	12 59.91	− 5 8.6	0.938	1.938	2.9	19.8
4 21	12 52.08	− 3 52.8	0.950	1.932	9.1	20.1
5 1	12 46.20	− 2 52.7	0.984	1.928	14.7	20.4
5 11	12 43.24	− 2 15.5	1.036	1.924	19.6	20.7

505218 2012 TY_{301} 4 6.8 263°.24 3°.2/ 4.0 17

3 2	13 30.37	+ 1 45.9	2.185	3.014	12.2	21.7
3 12	13 25.07	+ 2 8.8	2.089	2.997	9.2	21.5
3 22	13 17.74	+ 2 34.7	2.017	2.980	6.0	21.3
4 1	13 8.93	+ 2 59.3	1.973	2.962	3.4	21.1
4 11	12 59.47	+ 3 17.8	1.957	2.944	4.2	21.1
4 21	12 50.26	+ 3 26.1	1.971	2.925	7.5	21.2
5 1	12 42.17	+ 3 21.5	2.010	2.906	10.9	21.4
5 11	12 35.88	+ 3 2.5	2.073	2.887	14.0	21.6

425149 2009 SC_{327} 4 6.8 162°.56 1°.3/ 8.4 16

3 2	13 26.61	−14 57.0	2.523	3.306	12.1	22.3
3 12	13 21.86	−14 13.9	2.435	3.313	9.4	22.2
3 22	13 15.48	−13 15.9	2.371	3.319	6.3	22.0
4 1	13 8.01	−12 5.9	2.336	3.325	3.0	21.8
4 11	13 0.16	−10 48.4	2.330	3.330	1.6	21.7
4 21	12 52.67	− 9 29.0	2.355	3.334	4.7	21.9
5 1	12 46.20	− 8 13.5	2.409	3.337	7.9	22.1
5 11	12 41.26	− 7 7.1	2.488	3.340	10.8	22.3

124436 2001 QG_{248} 4 6.8 169°.28 1°.1/ 6.0 18

3 2	13 32.80	− 5 39.2	1.678	2.503	15.4	19.8
3 12	13 27.31	− 5 18.6	1.600	2.506	11.7	19.5
3 22	13 19.30	− 4 47.3	1.545	2.509	7.4	19.3
4 1	13 9.52	− 4 9.5	1.516	2.511	2.7	19.0
4 11	12 59.08	− 3 30.9	1.515	2.513	2.7	19.0
4 21	12 49.16	− 2 57.7	1.542	2.514	7.4	19.3
5 1	12 40.83	− 2 35.0	1.594	2.515	11.7	19.5
5 11	12 34.87	− 2 26.3	1.668	2.515	15.4	19.8

297684 2001 UC_{173} 4 6.8 131°.71 0°.9/ 5.9 18

3 2	13 29.61	− 8 20.3	1.662	2.486	15.5	21.0
3 12	13 24.79	− 7 25.4	1.592	2.498	11.7	20.8
3 22	13 17.62	− 6 15.5	1.546	2.510	7.4	20.6
4 1	13 8.86	− 4 56.1	1.525	2.520	2.6	20.3
4 11	12 59.59	− 3 35.2	1.533	2.531	2.6	20.3
4 21	12 50.92	− 2 21.2	1.568	2.540	7.3	20.6
5 1	12 43.82	− 1 21.0	1.629	2.549	11.5	20.9
5 11	12 38.97	− 0 38.9	1.711	2.558	15.1	21.1

105735 2000 SG_{85} 4 6.8 163°.53 3°.2/ 4.2 18

3 2	13 31.53	− 0 28.3	1.748	2.583	14.4	20.3
3 12	13 26.19	+ 0 13.4	1.676	2.588	10.9	20.1
3 22	13 18.50	+ 1 1.4	1.626	2.591	6.9	19.8
4 1	13 9.20	+ 1 50.0	1.603	2.595	3.6	19.6
4 11	12 59.33	+ 2 32.2	1.608	2.597	4.6	19.7
4 21	12 50.00	+ 3 2.4	1.641	2.600	8.4	19.9
5 1	12 42.18	+ 3 16.5	1.698	2.601	12.2	20.2
5 11	12 36.57	+ 3 13.0	1.778	2.603	15.6	20.4

451092 2009 BC_{186} 4 6.8 55°.41 3°.9/ 5.4 15

3 2	13 50.17	+ 4 17.2	1.185	2.016	20.1	20.7
3 12	13 40.40	+ 3 42.3	1.149	2.056	15.2	20.5
3 22	13 27.31	+ 3 5.5	1.135	2.096	9.7	20.3
4 1	13 12.32	+ 2 23.1	1.146	2.137	4.8	20.2
4 11	12 57.32	+ 1 32.5	1.185	2.176	5.1	20.3
4 21	12 44.04	+ 0 33.5	1.251	2.216	9.7	20.6
5 1	12 33.68	− 0 33.2	1.342	2.255	14.1	21.0
5 11	12 26.80	− 1 46.3	1.455	2.294	17.7	21.3

338051 2002 NY_{69} 4 6.8 271°.68 4°.8/ 1.8 17

3 2	13 26.01	+ 4 26.1	2.091	2.933	12.1	21.1
3 12	13 21.84	+ 5 30.5	2.002	2.916	9.3	20.8
3 22	13 15.72	+ 6 38.5	1.937	2.898	6.4	20.6
4 1	13 8.18	+ 7 43.6	1.900	2.880	4.8	20.5
4 11	13 0.04	+ 8 38.8	1.890	2.862	6.1	20.5
4 21	12 52.17	+ 9 18.4	1.908	2.843	9.0	20.7
5 1	12 45.40	+ 9 38.8	1.950	2.825	12.2	20.8
5 11	12 40.41	+ 9 38.7	2.014	2.806	15.1	21.0

267421 2002 CD_{22} 4 6.8 41°.65 2°.4/ 8.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 27.64	−14 15.6	1.459	2.277	17.7	20.7
3 12	13 23.59	−14 16.2	1.399	2.295	13.8	20.5
3 22	13 16.97	−13 57.6	1.361	2.314	9.3	20.3
4 1	13 8.63	−13 21.9	1.345	2.334	4.7	20.1
4 11	12 59.78	−12 34.6	1.356	2.354	2.7	20.0
4 21	12 51.65	−11 42.9	1.392	2.375	6.6	20.3
5 1	12 45.27	−10 54.6	1.453	2.396	10.9	20.6
5 11	12 41.33	−10 16.1	1.535	2.418	14.7	20.9

311546 2005 YD_{250} 4 6.8 124°.51 3°.7/ 1.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 23.87	+ 5 13.2	2.772	3.607	9.7	21.1
3 12	13 19.60	+ 6 3.1	2.703	3.613	7.3	21.0
3 22	13 13.97	+ 6 53.5	2.661	3.619	5.0	20.8
4 1	13 7.44	+ 7 40.1	2.646	3.625	3.8	20.8
4 11	13 0.62	+ 8 18.3	2.661	3.631	4.7	20.8
4 21	12 54.12	+ 8 44.8	2.704	3.636	6.9	21.0
5 1	12 48.49	+ 8 57.7	2.774	3.642	9.2	21.1
5 11	12 44.17	+ 8 56.2	2.866	3.647	11.4	21.3

489320 2006 TO_{9} 4 6.8 171°.97 2°.3/ 4.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 27.28	− 0 7.9	2.572	3.396	10.7	21.6
3 12	13 22.30	+ 0 16.7	2.491	3.398	8.0	21.4
3 22	13 15.74	+ 0 44.9	2.436	3.399	5.1	21.2
4 1	13 8.13	+ 1 13.1	2.409	3.400	2.5	21.0
4 11	13 0.13	+ 1 37.3	2.412	3.401	3.2	21.1
4 21	12 52.45	+ 1 54.2	2.444	3.402	6.0	21.3
5 1	12 45.75	+ 2 1.1	2.504	3.403	8.9	21.5
5 11	12 40.52	+ 1 56.6	2.587	3.403	11.5	21.6

288999 2004 TU_{67} 4 6.8 237°.52 4°.1/ 3.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 30.34	+ 0 49.9	1.799	2.636	14.0	21.3
3 12	13 25.46	+ 1 53.2	1.709	2.622	10.6	21.0
3 22	13 18.20	+ 3 4.1	1.642	2.606	7.0	20.8
4 1	13 9.17	+ 4 15.9	1.603	2.590	4.3	20.6
4 11	12 59.36	+ 5 20.3	1.591	2.573	5.6	20.6
4 21	12 49.86	+ 6 10.1	1.606	2.556	9.3	20.8
5 1	12 41.74	+ 6 40.2	1.647	2.538	13.2	21.0
5 11	12 35.76	+ 6 48.5	1.708	2.518	16.7	21.2

82983 2001 QE_{144} 4 6.8 90°.82 0°.9/ 7.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 26.92	−11 22.9	2.312	3.113	12.5	19.5
3 12	13 22.15	−11 8.2	2.241	3.130	9.6	19.4
3 22	13 15.69	−10 41.9	2.193	3.147	6.2	19.2
4 1	13 8.11	−10 6.6	2.173	3.164	2.7	19.0
4 11	13 0.18	− 9 26.1	2.181	3.181	1.5	18.9
4 21	12 52.67	− 8 45.0	2.219	3.197	4.9	19.2
5 1	12 46.29	− 8 7.7	2.284	3.213	8.2	19.4
5 11	12 41.55	− 7 38.2	2.374	3.229	11.1	19.6

23196 2000 RY_{59} 4 6.8 11°.97 2°.7/ 3.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 20.40	− 4 42.0	1.780	2.626	13.7	17.5
3 12	13 17.74	− 3 13.5	1.710	2.629	10.2	17.3
3 22	13 13.13	− 1 32.4	1.663	2.633	6.3	17.1
4 1	13 7.20	+ 0 13.8	1.644	2.637	3.0	16.9
4 11	13 0.82	+ 1 55.8	1.652	2.642	4.2	17.0
4 21	12 54.87	+ 3 25.1	1.687	2.648	8.0	17.2
5 1	12 50.16	+ 4 35.2	1.747	2.654	11.7	17.4
5 11	12 47.27	+ 5 22.8	1.829	2.661	14.9	17.7

214213 2005 EQ_{78} 4 6.8 8°.48 1°.3/ 6.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 26.33	− 5 38.1	1.164	2.022	18.6	19.9
3 12	13 23.26	− 5 24.5	1.100	2.023	14.1	19.6
3 22	13 17.13	− 4 57.4	1.055	2.025	8.9	19.4
4 1	13 8.80	− 4 21.7	1.032	2.028	3.3	19.0
4 11	12 59.67	− 3 45.4	1.034	2.032	3.2	19.0
4 21	12 51.22	− 3 16.3	1.058	2.038	8.8	19.4
5 1	12 44.77	− 3 0.9	1.105	2.044	14.0	19.7
5 11	12 41.18	− 3 3.1	1.171	2.051	18.4	20.0

213881 2003 SO_{249} 4 6.8 191°.72 0°.4/ 6.5 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 30.91	− 7 30.9	1.918	2.734	14.1	21.2
3 12	13 25.66	− 7 8.8	1.833	2.733	10.8	21.0
3 22	13 18.18	− 6 35.4	1.770	2.732	6.8	20.7
4 1	13 9.13	− 5 53.9	1.735	2.729	2.5	20.4
4 11	12 59.44	− 5 9.6	1.728	2.726	2.1	20.4
4 21	12 50.15	− 4 28.1	1.749	2.723	6.5	20.7
5 1	12 42.21	− 3 54.8	1.797	2.719	10.5	20.9
5 11	12 36.33	− 3 33.7	1.868	2.714	14.1	21.1

257488 1995 SD_{27} 4 6.9 85°.57 0°.0/ 6.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 30.07	− 9 25.8	1.599	2.422	16.1	21.1
3 12	13 25.20	− 9 2.5	1.536	2.439	12.3	20.9
3 22	13 17.90	− 8 24.7	1.494	2.455	7.8	20.7
4 1	13 8.99	− 7 36.4	1.477	2.471	3.0	20.4
4 11	12 59.59	− 6 43.9	1.488	2.488	2.0	20.4
4 21	12 50.85	− 5 54.1	1.525	2.503	6.8	20.7
5 1	12 43.77	− 5 13.3	1.589	2.519	11.1	21.0
5 11	12 39.00	− 4 46.2	1.674	2.535	14.7	21.3

520072 2013 WA_{113} 4 6.9 220°.11 5°.3/12.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 27.44	−25 23.4	2.316	3.050	14.4	21.7
3 12	13 22.96	−25 33.6	2.214	3.044	12.1	21.5
3 22	13 16.45	−25 23.9	2.133	3.037	9.5	21.3
4 1	13 8.48	−24 53.2	2.077	3.030	6.9	21.1
4 11	12 59.88	−24 3.0	2.047	3.022	5.4	21.0
4 21	12 51.55	−22 57.4	2.046	3.014	6.2	21.0
5 1	12 44.36	−21 42.7	2.071	3.006	8.7	21.2
5 11	12 38.99	−20 26.6	2.122	2.997	11.5	21.3

157903 1999 TQ_{136} 4 6.9 262°.46 0°.6/ 7.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 26.44	−10 53.2	2.054	2.864	13.5	20.5
3 12	13 22.28	−10 30.6	1.955	2.850	10.5	20.3
3 22	13 16.07	− 9 54.2	1.879	2.837	6.8	20.0
4 1	13 8.35	− 9 6.5	1.829	2.823	2.8	19.8
4 11	12 59.97	− 8 12.1	1.808	2.808	1.7	19.6
4 21	12 51.85	− 7 16.7	1.815	2.794	5.8	19.9
5 1	12 44.87	− 6 26.4	1.849	2.779	9.8	20.1
5 11	12 39.73	− 5 46.4	1.906	2.764	13.3	20.3

114951 2003 QL_{55} 4 6.9 130°.03 0°.5/ 6.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 32.48	− 6 48.6	1.762	2.582	15.0	19.9
3 12	13 26.88	− 6 33.2	1.690	2.593	11.4	19.7
3 22	13 18.93	− 6 7.1	1.641	2.603	7.2	19.5
4 1	13 9.38	− 5 33.7	1.618	2.613	2.6	19.2
4 11	12 59.30	− 4 58.5	1.624	2.623	2.2	19.2
4 21	12 49.78	− 4 26.9	1.658	2.632	6.7	19.5
5 1	12 41.81	− 4 3.9	1.717	2.641	10.9	19.8
5 11	12 36.08	− 3 53.0	1.800	2.649	14.4	20.0

109123 2001 QX_{44} 4 6.9 129°.15 2°.4/ 9.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 29.77	−16 8.3	2.080	2.864	14.3	20.0
3 12	13 24.58	−16 0.2	2.003	2.877	11.3	19.8
3 22	13 17.37	−15 35.8	1.948	2.890	7.8	19.6
4 1	13 8.78	−14 56.7	1.919	2.903	4.2	19.4
4 11	12 59.73	−14 6.7	1.918	2.915	2.6	19.3
4 21	12 51.14	−13 11.2	1.946	2.926	5.4	19.5
5 1	12 43.87	−12 16.3	2.002	2.937	8.9	19.7
5 11	12 38.53	−11 27.9	2.082	2.947	12.1	20.0

80240 1999 VZ_{223} 4 6.9 117°.79 2°.7/ 4.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 30.57	− 4 12.8	1.431	2.273	16.7	20.4
3 12	13 25.84	− 3 13.0	1.368	2.284	12.5	20.1
3 22	13 18.44	− 2 0.7	1.327	2.295	7.8	19.9
4 1	13 9.23	− 0 43.4	1.311	2.305	3.4	19.6
4 11	12 59.45	+ 0 29.5	1.322	2.315	4.3	19.7
4 21	12 50.38	+ 1 29.4	1.359	2.325	8.9	20.0
5 1	12 43.12	+ 2 10.1	1.420	2.334	13.3	20.3
5 11	12 38.39	+ 2 28.9	1.501	2.343	17.1	20.5

458184 2010 NO_{69} 4 6.9 297°.49 0°.8/ 7.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 25.48	−12 12.3	1.462	2.290	17.1	21.4
3 12	13 22.55	−11 40.6	1.355	2.261	13.4	21.1
3 22	13 16.82	−10 46.5	1.270	2.231	8.9	20.8
4 1	13 8.81	− 9 32.0	1.207	2.201	3.8	20.4
4 11	12 59.60	− 8 3.9	1.171	2.171	2.2	20.2
4 21	12 50.50	− 6 31.5	1.159	2.141	7.9	20.4
5 1	12 42.89	− 5 6.3	1.172	2.111	13.4	20.6
5 11	12 37.82	− 3 57.7	1.206	2.082	18.3	20.8

386843 2010 JB_{170} 4 6.9 292°.16 4°.7/ 1.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 24.01	+ 3 43.7	2.091	2.936	12.0	21.0
3 12	13 20.36	+ 4 54.8	2.001	2.917	9.1	20.7
3 22	13 14.80	+ 6 10.7	1.935	2.897	6.3	20.5
4 1	13 7.88	+ 7 24.6	1.897	2.878	4.7	20.4
4 11	13 0.36	+ 8 29.3	1.886	2.858	6.0	20.4
4 21	12 53.08	+ 9 18.7	1.902	2.839	9.0	20.6
5 1	12 46.88	+ 9 48.6	1.943	2.819	12.2	20.7
5 11	12 42.38	+ 9 57.5	2.005	2.800	15.1	20.9

371152 2005 XR_{48} 4 6.9 200°.84 0°.9/ 5.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 28.34	− 6 18.8	2.285	3.100	12.2	22.2
3 12	13 23.39	− 5 46.7	2.195	3.096	9.2	22.0
3 22	13 16.60	− 5 5.3	2.129	3.092	5.8	21.8
4 1	13 8.52	− 4 17.9	2.092	3.087	2.1	21.5
4 11	12 59.93	− 3 29.4	2.084	3.081	2.2	21.5
4 21	12 51.65	− 2 44.8	2.104	3.075	5.9	21.7
5 1	12 44.45	− 2 8.6	2.153	3.068	9.4	21.9
5 11	12 38.94	− 1 44.2	2.225	3.061	12.5	22.1

178970 2001 QH_{232} 4 6.9 97°.33 1°.8/ 8.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 29.94	−13 30.4	2.518	3.301	12.1	20.3
3 12	13 24.30	−13 38.4	2.446	3.323	9.4	20.2
3 22	13 17.00	−13 35.2	2.399	3.344	6.4	20.0
4 1	13 8.62	−13 22.1	2.379	3.365	3.2	19.8
4 11	12 59.90	−13 1.5	2.388	3.386	2.0	19.8
4 21	12 51.60	−12 37.0	2.428	3.406	4.6	20.0
5 1	12 44.40	−12 12.4	2.495	3.426	7.6	20.2
5 11	12 38.82	−11 51.7	2.589	3.445	10.3	20.4

435376 2007 VU_{330} 4 6.9 90°.22 3°.0/ 3.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 26.58	+ 0 51.4	2.261	3.095	11.6	21.2
3 12	13 21.88	+ 1 34.5	2.198	3.109	8.7	21.1
3 22	13 15.51	+ 2 21.0	2.160	3.124	5.6	20.9
4 1	13 8.06	+ 3 6.3	2.149	3.138	3.2	20.8
4 11	13 0.30	+ 3 45.1	2.168	3.153	4.1	20.8
4 21	12 52.98	+ 4 13.3	2.214	3.167	6.9	21.0
5 1	12 46.78	+ 4 28.3	2.287	3.181	9.9	21.3
5 11	12 42.21	+ 4 28.7	2.383	3.195	12.5	21.5

181157 2005 RE_{33} 4 6.9 226°.29 6°.1/28.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 23.00	+11 45.7	2.651	3.490	9.9	20.5
3 12	13 19.14	+13 22.6	2.581	3.483	7.9	20.3
3 22	13 13.80	+14 57.7	2.537	3.477	6.4	20.2
4 1	13 7.45	+16 24.2	2.522	3.470	6.2	20.2
4 11	13 0.71	+17 36.1	2.536	3.463	7.4	20.3
4 21	12 54.24	+18 29.1	2.576	3.456	9.3	20.4
5 1	12 48.65	+19 0.9	2.640	3.448	11.4	20.5
5 11	12 44.42	+19 11.5	2.724	3.440	13.4	20.6

183372 2002 XZ_{21} 4 6.9 144°.66 0°.9/ 5.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 30.08	− 6 7.1	2.145	2.960	12.8	20.1
3 12	13 24.68	− 5 36.2	2.070	2.971	9.7	19.9
3 22	13 17.37	− 4 56.1	2.020	2.982	6.1	19.7
4 1	13 8.79	− 4 10.6	1.997	2.992	2.2	19.4
4 11	12 59.78	− 3 24.7	2.003	3.001	2.3	19.5
4 21	12 51.23	− 2 43.6	2.039	3.009	6.1	19.7
5 1	12 43.92	− 2 11.5	2.102	3.017	9.6	19.9
5 11	12 38.43	− 1 51.6	2.189	3.025	12.6	20.2

135142 2001 QU_{201} 4 6.9 147°.04 6°.6/29.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 30.05	+18 49.2	2.974	3.787	9.7	20.3
3 12	13 24.11	+19 38.3	2.921	3.797	8.1	20.2
3 22	13 16.74	+20 19.4	2.893	3.807	6.9	20.1
4 1	13 8.49	+20 47.8	2.894	3.816	6.6	20.1
4 11	13 0.02	+20 59.9	2.922	3.825	7.4	20.2
4 21	12 51.96	+20 53.9	2.977	3.833	8.9	20.3
5 1	12 44.90	+20 29.9	3.057	3.841	10.6	20.4
5 11	12 39.26	+19 49.5	3.158	3.849	12.1	20.6

457501 2008 VV_{15} 4 6.9 136°.91 1°.5/ 5.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 33.09	− 5 18.6	1.825	2.645	14.5	22.8
3 12	13 27.20	− 4 41.2	1.756	2.661	10.9	22.6
3 22	13 19.07	− 3 53.6	1.712	2.675	6.8	22.4
4 1	13 9.44	− 3 0.7	1.694	2.689	2.6	22.2
4 11	12 59.35	− 2 9.0	1.705	2.702	2.9	22.2
4 21	12 49.87	− 1 24.3	1.745	2.714	7.1	22.5
5 1	12 41.91	− 0 51.7	1.811	2.725	11.0	22.8
5 11	12 36.13	− 0 34.2	1.900	2.735	14.3	23.0

260036 2004 GS_{37} 4 6.9 45°.50 0°.6/ 6.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 28.02	− 7 30.6	1.645	2.476	15.4	20.3
3 12	13 23.76	− 7 6.5	1.569	2.478	11.7	20.1
3 22	13 17.10	− 6 29.5	1.515	2.480	7.4	19.8
4 1	13 8.77	− 5 43.7	1.487	2.482	2.7	19.5
4 11	12 59.80	− 4 55.3	1.485	2.484	2.3	19.5
4 21	12 51.33	− 4 10.9	1.510	2.487	7.1	19.8
5 1	12 44.37	− 3 36.5	1.561	2.489	11.4	20.0
5 11	12 39.63	− 3 16.3	1.633	2.492	15.1	20.3

387244 2012 UF_{61} 4 6.9 125°.56 4°.5/ 1.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 26.06	+ 6 22.6	2.394	3.231	10.9	20.8
3 12	13 21.47	+ 7 16.0	2.328	3.238	8.3	20.7
3 22	13 15.26	+ 8 9.3	2.287	3.244	5.9	20.5
4 1	13 7.99	+ 8 57.1	2.274	3.250	4.5	20.4
4 11	13 0.38	+ 9 34.2	2.289	3.255	5.6	20.5
4 21	12 53.15	+ 9 57.0	2.332	3.261	8.0	20.7
5 1	12 46.98	+10 3.3	2.401	3.266	10.6	20.8
5 11	12 42.35	+ 9 53.1	2.491	3.272	12.9	21.0

55316 2001 SQ_{66} 4 6.9 215°.90 0°.4/ 6.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 24.42	− 8 10.2	2.634	3.444	10.9	19.3
3 12	13 20.23	− 7 31.1	2.540	3.438	8.2	19.1
3 22	13 14.51	− 6 42.2	2.471	3.432	5.2	18.9
4 1	13 7.73	− 5 46.6	2.430	3.425	1.9	18.6
4 11	13 0.54	− 4 48.7	2.419	3.417	1.7	18.6
4 21	12 53.59	− 3 53.1	2.437	3.410	5.0	18.8
5 1	12 47.52	− 3 4.3	2.484	3.402	8.2	19.0
5 11	12 42.84	− 2 25.8	2.555	3.394	11.0	19.2

83502 2001 SD_{120} 4 6.9 28°.04 4°.2/10.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 28.12	−19 5.6	2.062	2.836	14.7	19.0
3 12	13 23.56	−19 33.1	1.976	2.839	11.9	18.8
3 22	13 16.88	−19 44.3	1.912	2.842	8.8	18.6
4 1	13 8.69	−19 38.5	1.872	2.845	5.7	18.4
4 11	12 59.88	−19 17.6	1.860	2.848	4.2	18.3
4 21	12 51.42	−18 45.4	1.875	2.852	5.9	18.4
5 1	12 44.22	−18 7.5	1.917	2.855	9.0	18.6
5 11	12 38.96	−17 30.0	1.983	2.859	12.1	18.8

202814 2008 SX_{60} 4 6.9 137°.63 2°.0/ 8.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 29.10	−14 31.3	2.335	3.119	12.9	20.7
3 12	13 23.91	−14 30.8	2.253	3.129	10.1	20.5
3 22	13 16.90	−14 17.2	2.194	3.139	6.9	20.3
4 1	13 8.64	−13 51.7	2.162	3.148	3.6	20.1
4 11	12 59.94	−13 17.5	2.159	3.156	2.2	20.0
4 21	12 51.62	−12 38.6	2.185	3.165	4.9	20.2
5 1	12 44.43	−12 0.1	2.240	3.172	8.2	20.4
5 11	12 38.95	−11 26.5	2.319	3.180	11.2	20.6

43423 2000 XQ_{41} 4 6.9 96°.59 4°.5/ 9.9 18 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 36.13	−17 16.4	1.955	2.725	15.5	18.7
3 12	13 29.77	−18 15.2	1.870	2.732	12.6	18.5
3 22	13 20.92	−19 0.1	1.808	2.738	9.2	18.3
4 1	13 10.24	−19 29.1	1.772	2.745	5.9	18.1
4 11	12 58.79	−19 42.2	1.764	2.751	4.5	18.0
4 21	12 47.72	−19 42.1	1.785	2.757	6.5	18.2
5 1	12 38.13	−19 33.3	1.833	2.764	9.8	18.4
5 11	12 30.83	−19 21.8	1.905	2.770	13.0	18.6

495107 2011 UF_{186} 4 6.9 221°.47 3°.1/ 4.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 31.48	− 1 16.9	1.845	2.676	14.0	22.7
3 12	13 26.27	− 0 27.2	1.756	2.666	10.6	22.4
3 22	13 18.70	+ 0 30.9	1.690	2.655	6.8	22.2
4 1	13 9.41	+ 1 31.5	1.652	2.643	3.4	21.9
4 11	12 59.39	+ 2 27.5	1.642	2.631	4.5	22.0
4 21	12 49.72	+ 3 12.3	1.659	2.617	8.4	22.2
5 1	12 41.42	+ 3 40.9	1.703	2.603	12.3	22.4
5 11	12 35.24	+ 3 50.7	1.768	2.588	15.8	22.6

409165 2003 UU_{207} 4 6.9 180°.54 1°.0/ 7.8 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 30.15	−12 10.4	2.006	2.807	14.1	22.6
3 12	13 25.04	−11 50.2	1.919	2.808	11.0	22.3
3 22	13 17.79	−11 15.4	1.855	2.809	7.2	22.1
4 1	13 9.03	−10 28.3	1.818	2.809	3.2	21.9
4 11	12 59.69	− 9 33.5	1.809	2.809	1.7	21.7
4 21	12 50.73	− 8 37.1	1.829	2.808	5.8	22.0
5 1	12 43.08	− 7 45.2	1.876	2.806	9.7	22.2
5 11	12 37.40	− 7 3.1	1.947	2.803	13.2	22.5

382332 2013 TP_{30} 4 6.9 180°.93 1°.1/ 5.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 26.89	− 6 4.0	2.238	3.058	12.2	22.0
3 12	13 22.31	− 5 22.9	2.155	3.058	9.2	21.8
3 22	13 15.92	− 4 32.2	2.096	3.059	5.8	21.6
4 1	13 8.30	− 3 35.9	2.064	3.059	2.1	21.4
4 11	13 0.21	− 2 39.3	2.062	3.059	2.4	21.4
4 21	12 52.48	− 1 47.7	2.089	3.058	6.0	21.6
5 1	12 45.84	− 1 5.9	2.142	3.056	9.5	21.8
5 11	12 40.88	− 0 37.1	2.220	3.055	12.5	22.0

30803 1989 SG_{14} 4 6.9 243°.15 6°.3/12.1 18 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 32.15	−24 24.6	2.073	2.812	15.7	19.3
3 12	13 26.95	−25 9.7	1.967	2.799	13.3	19.1
3 22	13 19.28	−25 36.4	1.882	2.786	10.5	18.9
4 1	13 9.70	−25 41.6	1.822	2.773	7.8	18.7
4 11	12 59.16	−25 25.2	1.788	2.759	6.4	18.6
4 21	12 48.77	−24 49.7	1.781	2.745	7.4	18.6
5 1	12 39.67	−24 1.0	1.800	2.730	10.1	18.7
5 11	12 32.72	−23 7.0	1.844	2.715	13.1	18.9

211894 2004 JL_{29} 4 6.9 312°.07 0°.9/ 7.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 22.56	−12 24.3	1.961	2.776	13.9	20.1
3 12	13 19.53	−11 52.3	1.855	2.753	10.8	19.8
3 22	13 14.44	−11 3.5	1.772	2.729	7.2	19.5
4 1	13 7.83	−10 0.3	1.714	2.706	3.1	19.2
4 11	13 0.50	− 8 47.8	1.683	2.683	1.7	19.1
4 21	12 53.36	− 7 32.9	1.680	2.661	6.0	19.3
5 1	12 47.33	− 6 23.0	1.703	2.639	10.1	19.5
5 11	12 43.13	− 5 24.4	1.750	2.617	13.9	19.7

100525 1997 CX_{8} 4 6.9 210°.57 7°.2/14.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 30.73	−32 5.3	2.789	3.459	13.5	20.4
3 12	13 25.34	−32 58.6	2.686	3.455	11.8	20.3
3 22	13 17.97	−33 34.3	2.603	3.451	10.0	20.1
4 1	13 9.13	−33 49.6	2.544	3.446	8.3	20.0
4 11	12 59.59	−33 43.8	2.511	3.441	7.3	19.9
4 21	12 50.21	−33 18.3	2.505	3.436	7.4	19.9
5 1	12 41.85	−32 37.2	2.526	3.431	8.7	20.0
5 11	12 35.20	−31 46.5	2.572	3.425	10.5	20.1

298326 2003 FB_{41} 4 6.9 16°.52 4°.1/ 2.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 22.60	+ 1 36.4	2.035	2.882	12.2	20.3
3 12	13 19.19	+ 2 52.9	1.966	2.884	9.1	20.1
3 22	13 13.99	+ 4 14.5	1.921	2.886	6.0	19.9
4 1	13 7.57	+ 5 34.4	1.904	2.889	4.1	19.8
4 11	13 0.75	+ 6 45.4	1.915	2.892	5.4	19.9
4 21	12 54.31	+ 7 41.5	1.952	2.895	8.4	20.0
5 1	12 49.00	+ 8 18.8	2.014	2.899	11.5	20.2
5 11	12 45.36	+ 8 35.8	2.098	2.902	14.2	20.4

298871 2004 RR_{334} 4 6.9 188°.99 3°.1/ 4.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 31.23	− 1 21.3	1.836	2.667	14.0	21.9
3 12	13 25.97	− 0 30.2	1.756	2.667	10.6	21.7
3 22	13 18.43	+ 0 28.8	1.701	2.666	6.7	21.5
4 1	13 9.29	+ 1 29.7	1.672	2.664	3.4	21.3
4 11	12 59.55	+ 2 25.4	1.672	2.661	4.4	21.3
4 21	12 50.25	+ 3 9.5	1.700	2.658	8.2	21.5
5 1	12 42.37	+ 3 37.4	1.753	2.654	12.0	21.8
5 11	12 36.61	+ 3 47.0	1.828	2.649	15.4	22.0

245904 2006 QO_{110} 4 6.9 160°.63 2°.1/ 4.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 25.32	− 1 34.7	2.685	3.509	10.3	21.3
3 12	13 20.79	− 0 52.8	2.607	3.514	7.7	21.2
3 22	13 14.81	− 0 5.9	2.555	3.518	4.8	21.0
4 1	13 7.86	+ 0 42.0	2.531	3.522	2.3	20.8
4 11	13 0.58	+ 1 26.7	2.537	3.526	3.0	20.9
4 21	12 53.59	+ 2 4.1	2.572	3.529	5.8	21.1
5 1	12 47.52	+ 2 31.1	2.634	3.532	8.6	21.2
5 11	12 42.81	+ 2 45.9	2.721	3.535	11.1	21.4

130124 1999 XJ_{105} 4 6.9 133°.04 11°.9/18.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 34.15	−37 42.0	1.459	2.148	23.2	19.5
3 12	13 29.46	−38 21.8	1.384	2.160	20.7	19.3
3 22	13 21.25	−38 23.6	1.323	2.172	17.7	19.1
4 1	13 10.47	−37 40.6	1.280	2.182	14.7	19.0
4 11	12 58.74	−36 11.7	1.258	2.192	12.5	18.8
4 21	12 47.83	−34 3.5	1.259	2.202	12.0	18.8
5 1	12 39.30	−31 29.8	1.284	2.210	13.5	18.9
5 11	12 34.07	−28 48.2	1.331	2.218	16.2	19.1

278996 2008 UV_{223} 4 6.9 213°.67 1°.4/ 5.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 27.02	− 4 35.8	2.517	3.334	11.1	21.6
3 12	13 22.27	− 3 57.9	2.423	3.326	8.4	21.4
3 22	13 15.86	− 3 12.2	2.355	3.318	5.2	21.2
4 1	13 8.30	− 2 22.3	2.315	3.309	2.1	21.0
4 11	13 0.26	− 1 32.9	2.305	3.300	2.5	21.0
4 21	12 52.48	− 0 48.4	2.324	3.290	5.8	21.2
5 1	12 45.65	− 0 13.1	2.371	3.279	9.0	21.4
5 11	12 40.31	+ 0 10.3	2.442	3.268	11.8	21.5

18863 1999 RC_{191} 4 6.9 246°.90 5°.1/11.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 30.70	−22 10.7	2.205	2.955	14.6	17.6
3 12	13 25.64	−22 43.8	2.099	2.942	12.2	17.4
3 22	13 18.34	−23 0.0	2.013	2.928	9.3	17.2
4 1	13 9.34	−22 57.5	1.953	2.913	6.6	17.0
4 11	12 59.50	−22 36.9	1.919	2.899	5.1	16.9
4 21	12 49.82	−22 1.2	1.914	2.884	6.4	16.9
5 1	12 41.30	−21 15.9	1.936	2.868	9.3	17.0
5 11	12 34.73	−20 27.7	1.982	2.853	12.4	17.2

449184 2013 CY_{8} 4 6.9 104°.07 3°.4/ 4.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 27.92	− 3 28.4	1.389	2.238	16.6	21.5
3 12	13 23.99	− 2 12.1	1.324	2.244	12.5	21.2
3 22	13 17.39	− 0 42.7	1.281	2.250	7.8	21.0
4 1	13 8.94	+ 0 51.3	1.263	2.256	3.8	20.7
4 11	12 59.87	+ 2 19.1	1.271	2.261	5.1	20.8
4 21	12 51.44	+ 3 30.9	1.304	2.267	9.6	21.1
5 1	12 44.77	+ 4 20.0	1.361	2.272	14.1	21.4
5 11	12 40.60	+ 4 43.8	1.438	2.278	17.8	21.6

172512 2003 SN_{231} 4 6.9 263°.69 2°.2/ 5.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 30.21	− 3 30.2	1.597	2.435	15.5	20.3
3 12	13 25.68	− 3 1.4	1.510	2.423	11.8	20.0
3 22	13 18.53	− 2 22.5	1.445	2.412	7.4	19.8
4 1	13 9.43	− 1 38.5	1.406	2.400	3.1	19.5
4 11	12 59.47	− 0 56.2	1.393	2.388	3.7	19.5
4 21	12 49.88	− 0 22.3	1.406	2.376	8.3	19.7
5 1	12 41.82	− 0 2.3	1.444	2.363	12.8	19.9
5 11	12 36.15	+ 0 0.4	1.504	2.351	16.8	20.1

124919 2001 TL_{66} 4 6.9 105°.43 1°.5/ 5.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 33.42	− 4 45.2	1.507	2.340	16.5	19.8
3 12	13 27.92	− 4 24.5	1.443	2.353	12.4	19.6
3 22	13 19.77	− 3 53.5	1.401	2.366	7.8	19.4
4 1	13 9.81	− 3 17.1	1.384	2.379	2.9	19.1
4 11	12 59.29	− 2 41.7	1.394	2.391	3.1	19.1
4 21	12 49.48	− 2 13.5	1.431	2.403	7.8	19.4
5 1	12 41.48	− 1 57.5	1.493	2.415	12.3	19.7
5 11	12 36.01	− 1 56.5	1.576	2.427	16.0	20.0

3843 OISCA 4 6.9 133°.70 0°.2/ 6.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 22.08	− 7 18.2	3.592	4.396	8.4	17.3
3 12	13 18.04	− 6 57.4	3.509	4.404	6.3	17.1
3 22	13 12.94	− 6 30.6	3.452	4.412	4.0	17.0
4 1	13 7.16	− 6 0.1	3.425	4.419	1.4	16.8
4 11	13 1.13	− 5 28.5	3.427	4.426	1.2	16.8
4 21	12 55.31	− 4 58.3	3.460	4.433	3.7	17.0
5 1	12 50.15	− 4 32.2	3.522	4.440	6.0	17.1
5 11	12 45.97	− 4 12.4	3.610	4.447	8.1	17.3

281530 2008 TX_{122} 4 6.9 114°.87 1°.9/ 5.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 27.57	− 3 14.6	2.059	2.888	12.8	21.0
3 12	13 22.91	− 2 40.2	1.986	2.895	9.6	20.8
3 22	13 16.34	− 1 58.5	1.937	2.902	6.0	20.6
4 1	13 8.49	− 1 13.9	1.915	2.908	2.5	20.4
4 11	13 0.20	− 0 31.9	1.921	2.915	3.1	20.5
4 21	12 52.34	+ 0 2.6	1.956	2.921	6.7	20.7
5 1	12 45.71	+ 0 25.7	2.017	2.928	10.2	20.9
5 11	12 40.87	+ 0 34.9	2.100	2.934	13.2	21.1

51910 2001 QQ_{60} 4 6.9 265°.04 1°.8/ 9.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 23.70	−16 10.4	4.510	5.266	7.5	19.0
3 12	13 19.14	−16 27.3	4.404	5.260	6.0	18.9
3 22	13 13.61	−16 37.1	4.323	5.254	4.3	18.8
4 1	13 7.41	−16 40.4	4.271	5.247	2.6	18.6
4 11	13 0.94	−16 38.0	4.250	5.241	1.8	18.6
4 21	12 54.57	−16 31.5	4.260	5.235	2.9	18.6
5 1	12 48.70	−16 22.7	4.299	5.228	4.7	18.8
5 11	12 43.66	−16 13.8	4.366	5.222	6.4	18.9

15459 1998 YY_{9} 4 6.9 52°.37 1°.3/ 5.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 25.60	− 5 36.8	1.945	2.775	13.4	18.5
3 12	13 21.53	− 5 0.8	1.874	2.783	10.1	18.3
3 22	13 15.52	− 4 15.0	1.826	2.791	6.3	18.1
4 1	13 8.19	− 3 23.9	1.804	2.799	2.4	17.9
4 11	13 0.43	− 2 33.4	1.811	2.808	2.6	17.9
4 21	12 53.11	− 1 49.0	1.845	2.817	6.5	18.2
5 1	12 47.05	− 1 15.5	1.906	2.825	10.2	18.4
5 11	12 42.81	− 0 56.0	1.988	2.834	13.4	18.6

274318 2008 RK 4 6.9 185°.96 3°.6/ 3.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 26.51	+ 1 0.5	2.033	2.872	12.5	20.5
3 12	13 22.18	+ 1 58.9	1.958	2.872	9.4	20.3
3 22	13 15.93	+ 3 2.5	1.907	2.872	6.1	20.1
4 1	13 8.36	+ 4 5.4	1.884	2.871	3.7	19.9
4 11	13 0.31	+ 5 0.8	1.889	2.871	4.9	20.0
4 21	12 52.66	+ 5 43.3	1.921	2.870	8.0	20.2
5 1	12 46.21	+ 6 9.0	1.978	2.869	11.3	20.4
5 11	12 41.55	+ 6 16.5	2.057	2.868	14.2	20.6

76223 2000 EX_{69} 4 6.9 127°.32 0°.3/ 6.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 25.49	− 8 23.7	2.139	2.957	12.8	19.7
3 12	13 21.36	− 7 51.5	2.057	2.959	9.7	19.5
3 22	13 15.39	− 7 7.9	1.999	2.961	6.1	19.2
4 1	13 8.15	− 6 16.6	1.968	2.963	2.3	19.0
4 11	13 0.46	− 5 22.5	1.966	2.965	1.8	19.0
4 21	12 53.12	− 4 31.3	1.992	2.967	5.7	19.2
5 1	12 46.91	− 3 47.9	2.044	2.969	9.3	19.4
5 11	12 42.41	− 3 16.2	2.121	2.970	12.5	19.6

343001 2009 BH_{75} 4 6.9 119°.74 5°.0/12.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 27.03	−24 0.3	2.320	3.063	14.1	20.9
3 12	13 22.57	−24 15.4	2.231	3.068	11.8	20.7
3 22	13 16.19	−24 11.9	2.164	3.073	9.1	20.5
4 1	13 8.47	−23 49.1	2.121	3.078	6.5	20.4
4 11	13 0.22	−23 9.0	2.105	3.083	5.0	20.3
4 21	12 52.31	−22 15.4	2.118	3.088	5.9	20.3
5 1	12 45.55	−21 14.4	2.157	3.092	8.3	20.5
5 11	12 40.56	−20 12.5	2.221	3.097	11.0	20.7

157096 2004 HQ_{32} 4 6.9 213°.01 3°.0/ 4.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 31.00	− 2 28.5	1.741	2.574	14.6	20.6
3 12	13 26.02	− 1 31.0	1.656	2.567	11.0	20.3
3 22	13 18.61	− 0 23.1	1.594	2.560	7.0	20.1
4 1	13 9.44	+ 0 48.8	1.559	2.551	3.4	19.8
4 11	12 59.54	+ 1 56.8	1.552	2.542	4.4	19.9
4 21	12 50.04	+ 2 53.3	1.572	2.532	8.6	20.1
5 1	12 41.98	+ 3 32.7	1.617	2.521	12.7	20.3
5 11	12 36.14	+ 3 51.8	1.684	2.509	16.3	20.5

18169 Amaldi 4 6.9 97°.30 3°.1/10.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 25.14	−20 12.1	2.486	3.248	12.8	17.9
3 12	13 20.87	−19 57.5	2.406	3.263	10.3	17.7
3 22	13 14.96	−19 26.4	2.349	3.277	7.5	17.6
4 1	13 7.96	−18 40.0	2.318	3.291	4.6	17.4
4 11	13 0.62	−17 41.5	2.315	3.305	3.1	17.3
4 21	12 53.64	−16 35.9	2.341	3.319	4.7	17.5
5 1	12 47.72	−15 28.7	2.395	3.333	7.5	17.7
5 11	12 43.35	−14 25.6	2.475	3.347	10.2	17.8

360408 2002 GR_{58} 4 6.9 339°.41 1°.3/ 6.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 28.86	− 4 37.7	1.225	2.078	18.2	20.2
3 12	13 25.32	− 4 38.4	1.148	2.069	13.9	19.9
3 22	13 18.63	− 4 28.1	1.091	2.061	8.9	19.6
4 1	13 9.56	− 4 11.2	1.057	2.053	3.3	19.2
4 11	12 59.45	− 3 53.7	1.047	2.046	3.2	19.2
4 21	12 49.83	− 3 42.3	1.061	2.040	8.9	19.5
5 1	12 42.15	− 3 42.6	1.098	2.035	14.2	19.8
5 11	12 37.40	− 3 58.4	1.153	2.031	18.8	20.0

89662 2001 YF_4 4 6.9 75°.08 16°.4/13.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 32.92	+42 25.6	1.876	2.626	16.8	18.1
3 12	13 27.51	+44 52.3	1.890	2.650	16.4	18.1
3 22	13 19.40	+46 45.1	1.922	2.674	16.6	18.1
4 1	13 9.62	+47 56.3	1.973	2.697	17.2	18.2
4 11	12 59.56	+48 22.9	2.040	2.720	18.0	18.4
4 21	12 50.53	+48 7.2	2.120	2.744	18.8	18.5
5 1	12 43.55	+47 14.5	2.213	2.766	19.6	18.6
5 11	12 39.19	+45 52.1	2.314	2.789	20.2	18.8

96758 1999 RM_{21} 4 6.9 191°.37 1°.8/ 4.9 17

3 2	13 26.38	− 4 9.5	2.254	3.078	12.0	20.3
3 12	13 21.94	− 3 20.0	2.170	3.077	9.0	20.1
3 22	13 15.73	− 2 21.9	2.111	3.076	5.6	19.9
4 1	13 8.29	− 1 19.7	2.080	3.074	2.4	19.7
4 11	13 0.40	− 0 19.2	2.078	3.072	3.0	19.7
4 21	12 52.84	+ 0 34.2	2.105	3.069	6.4	19.9
5 1	12 46.35	+ 1 16.0	2.159	3.066	9.8	20.1
5 11	12 41.50	+ 1 43.2	2.236	3.063	12.7	20.3

458782 2011 SD_{119} 4 6.9 125°.69 0°.2/ 7.1 18

3 2	13 31.00	−10 57.9	1.847	2.655	14.9	21.9
3 12	13 25.66	−10 16.1	1.778	2.673	11.4	21.7
3 22	13 18.14	− 9 19.2	1.732	2.690	7.3	21.5
4 1	13 9.19	− 8 11.2	1.713	2.707	2.8	21.2
4 11	12 59.81	− 6 58.6	1.723	2.723	1.8	21.2
4 21	12 51.02	− 5 48.6	1.761	2.738	6.2	21.5
5 1	12 43.72	− 4 47.8	1.826	2.752	10.2	21.8
5 11	12 38.50	− 4 1.0	1.915	2.765	13.6	22.0

498409 2007 YD_{59} 4 6.9 97°.28 3°.8/11.3 17

3 2	13 27.49	−21 14.4	2.520	3.272	12.9	21.4
3 12	13 22.63	−21 21.0	2.443	3.290	10.5	21.3
3 22	13 16.07	−21 11.6	2.388	3.308	7.8	21.1
4 1	13 8.40	−20 46.6	2.359	3.326	5.2	21.0
4 11	13 0.35	−20 8.3	2.359	3.344	3.8	20.9
4 21	12 52.69	−19 20.8	2.387	3.361	5.0	21.0
5 1	12 46.12	−18 29.1	2.443	3.378	7.5	21.2
5 11	12 41.15	−17 38.6	2.525	3.395	10.0	21.4

26822 1988 RG_{13} 4 6.9 251°.57 5°.9/ 1.7 18

3 2	13 31.39	+ 4 48.5	1.699	2.542	14.4	18.5
3 12	13 26.53	+ 6 3.4	1.609	2.522	11.1	18.2
3 22	13 19.09	+ 7 23.6	1.542	2.501	7.8	18.0
4 1	13 9.69	+ 8 40.6	1.501	2.480	5.9	17.8
4 11	12 59.39	+ 9 44.8	1.487	2.457	7.5	17.9
4 21	12 49.36	+10 28.6	1.500	2.434	11.1	18.0
5 1	12 40.78	+10 47.4	1.536	2.410	14.9	18.2
5 11	12 34.49	+10 40.2	1.591	2.386	18.4	18.3

384173 2009 BL_{41} 4 6.9 134°.65 4°.2/ 1.6 18

3 2	13 25.72	+ 5 16.1	2.538	3.373	10.5	21.2
3 12	13 21.14	+ 6 21.1	2.475	3.384	7.9	21.1
3 22	13 15.06	+ 7 27.0	2.437	3.395	5.5	20.9
4 1	13 8.00	+ 8 28.4	2.428	3.405	4.2	20.9
4 11	13 0.64	+ 9 19.8	2.448	3.414	5.3	20.9
4 21	12 53.65	+ 9 57.5	2.496	3.424	7.6	21.1
5 1	12 47.65	+10 19.0	2.570	3.433	10.1	21.3
5 11	12 43.09	+10 23.7	2.666	3.441	12.3	21.4

100644 1997 VV_6 4 6.9 110°.20 1°.2/ 8.2 18

3 2	13 27.75	−13 52.5	1.966	2.766	14.4	19.8
3 12	13 23.14	−13 16.3	1.894	2.782	11.2	19.6
3 22	13 16.53	−12 23.6	1.845	2.797	7.4	19.4
4 1	13 8.60	−11 17.5	1.821	2.812	3.3	19.2
4 11	13 0.24	−10 3.8	1.827	2.827	1.7	19.1
4 21	12 52.40	− 8 49.4	1.861	2.841	5.6	19.4
5 1	12 45.89	− 7 41.0	1.922	2.854	9.3	19.6
5 11	12 41.29	− 6 44.2	2.007	2.868	12.6	19.8

79063 2499 T-$_3$ 4 6.9 256°.44 0°.7/ 7.6 18 R

3 2	13 26.22	−10 43.1	2.187	2.995	12.9	20.1
3 12	13 21.98	−10 26.8	2.094	2.988	9.9	19.9
3 22	13 15.86	− 9 58.4	2.025	2.982	6.5	19.7
4 1	13 8.38	− 9 20.1	1.983	2.975	2.7	19.4
4 11	13 0.36	− 8 36.1	1.968	2.968	1.5	19.3
4 21	12 52.61	− 7 51.1	1.983	2.962	5.4	19.6
5 1	12 45.96	− 7 10.5	2.024	2.955	9.1	19.8
5 11	12 41.02	− 6 38.6	2.090	2.948	12.3	20.0

343133 2009 FY_1 4 6.9 76°.04 6°.0/31.3 17 R

3 2	13 25.87	+ 9 10.9	2.120	2.964	11.9	20.5
3 12	13 21.55	+10 21.5	2.063	2.973	9.3	20.4
3 22	13 15.44	+11 30.1	2.031	2.982	6.9	20.2
4 1	13 8.17	+12 29.6	2.025	2.991	6.0	20.2
4 11	13 0.55	+13 13.9	2.047	3.000	7.2	20.3
4 21	12 53.40	+13 38.9	2.095	3.009	9.6	20.4
5 1	12 47.43	+13 43.1	2.168	3.018	12.1	20.6
5 11	12 43.17	+13 27.1	2.260	3.027	14.4	20.8

191369 2003 RR_7 4 6.9 164°.65 0°.7/ 6.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 30.61	− 5 24.6	2.541	3.348	11.3	20.8
3 12	13 24.90	− 5 14.4	2.457	3.353	8.6	20.7
3 22	13 17.50	− 4 57.6	2.398	3.358	5.4	20.5
4 1	13 8.95	− 4 36.8	2.368	3.362	2.0	20.2
4 11	12 59.99	− 4 15.3	2.368	3.366	1.8	20.2
4 21	12 51.37	− 3 56.5	2.398	3.369	5.2	20.5
5 1	12 43.78	− 3 43.7	2.457	3.372	8.4	20.7
5 11	12 37.77	− 3 39.3	2.540	3.374	11.2	20.9

224939 2007 DG_{71} 4 6.9 199°.79 3°.4/ 2.9 17

3 2	13 26.47	+ 0 5.9	2.297	3.129	11.5	21.5
3 12	13 21.99	+ 1 20.8	2.215	3.126	8.7	21.3
3 22	13 15.76	+ 2 42.3	2.158	3.121	5.6	21.1
4 1	13 8.33	+ 4 4.4	2.129	3.116	3.4	20.9
4 11	13 0.43	+ 5 20.3	2.130	3.111	4.6	21.0
4 21	12 52.85	+ 6 24.2	2.160	3.105	7.6	21.2
5 1	12 46.31	+ 7 11.7	2.216	3.098	10.7	21.4
5 11	12 41.38	+ 7 40.8	2.295	3.091	13.4	21.5

161631 2005 YS_{130} 4 6.9 331°.03 7°.7/11.5 18

3 2	13 27.64	−21 15.4	1.210	2.015	21.3	19.7
3 12	13 24.86	−22 18.7	1.126	2.003	17.8	19.4
3 22	13 18.67	−22 57.7	1.059	1.992	13.8	19.1
4 1	13 9.71	−23 7.6	1.012	1.982	9.8	18.9
4 11	12 59.37	−22 47.6	0.987	1.972	7.7	18.7
4 21	12 49.34	−22 2.5	0.985	1.963	9.5	18.8
5 1	12 41.33	−21 2.2	1.005	1.955	13.7	19.0
5 11	12 36.55	−19 59.3	1.044	1.949	18.1	19.2

366429 2001 VU_{78} 4 6.9 124°.40 13°.7/19.9 17

3 2	13 30.39	−39 35.0	1.176	1.885	26.9	21.0
3 12	13 27.39	−40 12.3	1.104	1.892	24.2	20.8
3 22	13 20.37	−40 2.7	1.043	1.898	21.0	20.6
4 1	13 10.30	−38 56.6	0.997	1.904	17.5	20.4
4 11	12 59.06	−36 51.5	0.969	1.909	14.7	20.3
4 21	12 48.74	−33 55.7	0.963	1.914	13.7	20.2
5 1	12 41.18	−30 28.0	0.979	1.919	15.2	20.3
5 11	12 37.39	−26 53.1	1.017	1.924	18.3	20.5

91326 1999 GV_{51} 4 6.9 39°.72 3°.1/ 9.2 18

3 2	13 27.55	−15 57.4	1.297	2.118	19.3	17.9
3 12	13 24.07	−15 53.1	1.229	2.125	15.3	17.6
3 22	13 17.65	−15 24.8	1.180	2.132	10.6	17.4
4 1	13 9.15	−14 34.3	1.153	2.141	5.6	17.1
4 11	12 59.89	−13 27.6	1.151	2.149	3.2	17.0
4 21	12 51.29	−12 14.0	1.173	2.158	7.3	17.2
5 1	12 44.61	−11 3.8	1.220	2.167	12.1	17.5
5 11	12 40.67	−10 5.9	1.287	2.177	16.4	17.8

57558 2001 TA_{46} 4 6.9 49°.78 1°.2/ 5.7 18

3 2	13 25.19	− 5 30.4	2.043	2.871	12.9	19.4
3 12	13 21.13	− 4 56.3	1.973	2.882	9.7	19.2
3 22	13 15.24	− 4 13.2	1.927	2.892	6.0	19.0
4 1	13 8.13	− 3 25.4	1.908	2.903	2.3	18.8
4 11	13 0.62	− 2 38.1	1.918	2.915	2.5	18.8
4 21	12 53.55	− 1 56.7	1.955	2.926	6.2	19.1
5 1	12 47.67	− 1 25.5	2.018	2.937	9.7	19.3
5 11	12 43.52	− 1 7.4	2.104	2.949	12.8	19.5

458778 2011 SN_{105} 4 6.9 215°.15 2°.5/ 8.9 17

3 2	13 31.55	−15 24.8	1.825	2.616	15.7	22.8
3 12	13 26.53	−15 19.2	1.729	2.609	12.5	22.5
3 22	13 19.02	−14 55.6	1.655	2.601	8.6	22.3
4 1	13 9.67	−14 14.9	1.606	2.592	4.5	22.0
4 11	12 59.50	−13 20.8	1.585	2.583	2.7	21.8
4 21	12 49.64	−12 19.5	1.592	2.573	6.2	22.0
5 1	12 41.20	−11 18.6	1.626	2.562	10.5	22.3
5 11	12 35.00	−10 25.2	1.683	2.550	14.4	22.5

407776 2011 WK_{121} 4 6.9 121°.44 3°.6/ 9.8 18

3 2	13 32.12	−17 13.5	1.685	2.474	16.9	21.6
3 12	13 26.96	−17 25.7	1.609	2.485	13.5	21.4
3 22	13 19.24	−17 18.7	1.554	2.495	9.6	21.2
4 1	13 9.71	−16 52.5	1.523	2.504	5.6	21.0
4 11	12 59.52	−16 10.9	1.519	2.514	3.6	20.9
4 21	12 49.88	−15 19.6	1.542	2.523	6.5	21.0
5 1	12 41.87	−14 26.4	1.592	2.531	10.4	21.3
5 11	12 36.27	−13 38.6	1.664	2.539	14.1	21.5

303191 2004 FJ_{136} 4 6.9 245°.91 6°.4/29.4 18

3 2	13 27.17	+15 3.7	2.749	3.576	10.0	20.6
3 12	13 22.31	+16 4.6	2.669	3.561	8.2	20.5
3 22	13 15.89	+17 0.9	2.615	3.545	6.7	20.3
4 1	13 8.38	+17 46.8	2.589	3.529	6.4	20.3
4 11	13 0.45	+18 17.6	2.590	3.513	7.4	20.3
4 21	12 52.77	+18 30.0	2.618	3.496	9.3	20.4
5 1	12 46.01	+18 22.9	2.670	3.479	11.3	20.5
5 11	12 40.66	+17 56.9	2.743	3.461	13.2	20.7

375457 2008 TC_{122} 4 6.9 185°.74 3°.5/10.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 28.39	−23 19.1	1.222	2.017	21.7	21.1
3 12	13 25.06	−21 56.5	1.140	2.018	17.6	20.8
3 22	13 18.48	−19 50.2	1.075	2.018	12.6	20.5
4 1	13 9.52	−17 2.2	1.033	2.017	7.0	20.2
4 11	12 59.67	−13 44.3	1.018	2.016	3.6	20.0
4 21	12 50.52	−10 16.1	1.029	2.014	7.9	20.2
5 1	12 43.49	− 6 59.5	1.066	2.012	13.7	20.5
5 11	12 39.48	− 4 11.6	1.126	2.009	18.8	20.8

505292 2012 VQ_{108} 4 6.9 120°.12 4°.7/ 2.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 30.19	+ 8 17.9	2.412	3.241	11.1	21.3
3 12	13 24.59	+ 8 47.8	2.344	3.248	8.6	21.1
3 22	13 17.30	+ 9 15.5	2.302	3.255	6.1	20.9
4 1	13 8.89	+ 9 36.1	2.288	3.261	4.7	20.9
4 11	13 0.15	+ 9 45.5	2.303	3.268	5.6	20.9
4 21	12 51.85	+ 9 41.0	2.345	3.274	7.9	21.1
5 1	12 44.67	+ 9 21.5	2.414	3.280	10.5	21.3
5 11	12 39.12	+ 8 47.4	2.506	3.286	12.8	21.4

151826 2003 FE_{104} 4 6.9 24°.99 0°.8/ 7.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 25.04	−11 20.6	1.370	2.206	17.6	19.6
3 12	13 21.91	−10 59.8	1.305	2.214	13.6	19.4
3 22	13 16.15	−10 20.4	1.261	2.224	8.8	19.1
4 1	13 8.57	− 9 26.1	1.240	2.234	3.7	18.9
4 11	13 0.37	− 8 24.3	1.245	2.245	2.0	18.8
4 21	12 52.81	− 7 23.4	1.274	2.257	7.1	19.1
5 1	12 46.97	− 6 31.6	1.327	2.269	11.8	19.4
5 11	12 43.59	− 5 54.9	1.402	2.283	15.9	19.7

24459 2000 RF_{103} 4 6.9 262°.60 3°.4/13.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 20.12	−26 56.7	4.748	5.444	8.0	19.4
3 12	13 16.54	−27 6.6	4.637	5.436	6.7	19.3
3 22	13 12.04	−27 6.3	4.548	5.427	5.4	19.2
4 1	13 6.91	−26 55.6	4.486	5.419	4.2	19.1
4 11	13 1.51	−26 35.4	4.452	5.411	3.4	19.0
4 21	12 56.22	−26 7.3	4.447	5.402	3.6	19.0
5 1	12 51.42	−25 33.3	4.470	5.394	4.7	19.1
5 11	12 47.41	−24 56.4	4.521	5.385	6.1	19.2

388651 2007 TP_{248} 4 6.9 154°.21 1°.1/ 5.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 25.16	− 5 50.6	2.536	3.354	11.0	21.7
3 12	13 20.82	− 5 6.4	2.456	3.359	8.3	21.6
3 22	13 14.94	− 4 13.9	2.401	3.364	5.2	21.4
4 1	13 8.03	− 3 16.8	2.375	3.369	1.9	21.1
4 11	13 0.76	− 2 19.9	2.378	3.374	2.2	21.2
4 21	12 53.81	− 1 28.0	2.410	3.378	5.4	21.4
5 1	12 47.81	− 0 45.1	2.470	3.382	8.5	21.6
5 11	12 43.26	− 0 14.1	2.554	3.385	11.2	21.8

154521 2003 FW_{83} 4 6.9 355°.72 4°.0/10.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 21.50	−18 39.1	1.339	2.157	19.0	19.8
3 12	13 19.54	−18 33.8	1.260	2.152	15.3	19.5
3 22	13 14.85	−18 1.7	1.200	2.148	11.0	19.2
4 1	13 8.16	−17 3.5	1.162	2.145	6.5	19.0
4 11	13 0.63	−15 44.6	1.148	2.144	4.0	18.8
4 21	12 53.59	−14 14.4	1.157	2.143	7.1	19.0
5 1	12 48.24	−12 44.3	1.191	2.144	11.7	19.3
5 11	12 45.44	−11 24.9	1.245	2.146	16.1	19.5

500474 2012 TE_{236} 4 6.9 226°.88 3°.1/ 3.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 25.67	+ 0 14.9	2.228	3.063	11.7	21.6
3 12	13 21.46	+ 1 8.4	2.146	3.059	8.8	21.4
3 22	13 15.47	+ 2 7.3	2.090	3.054	5.7	21.2
4 1	13 8.26	+ 3 6.5	2.060	3.049	3.3	21.0
4 11	13 0.59	+ 3 59.9	2.060	3.044	4.3	21.1
4 21	12 53.23	+ 4 42.5	2.087	3.039	7.3	21.2
5 1	12 46.93	+ 5 10.5	2.140	3.034	10.5	21.4
5 11	12 42.27	+ 5 22.0	2.216	3.028	13.3	21.6

1047 Geisha 4 6.9 173°.23 3°.0/ 4.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 32.30	− 1 17.4	1.832	2.661	14.1	16.1
3 12	13 26.79	− 0 28.8	1.756	2.665	10.6	15.9
3 22	13 18.99	+ 0 27.2	1.704	2.668	6.8	15.7
4 1	13 9.61	+ 1 24.8	1.679	2.671	3.4	15.4
4 11	12 59.67	+ 2 16.9	1.683	2.672	4.3	15.5
4 21	12 50.21	+ 2 57.6	1.714	2.673	8.1	15.7
5 1	12 42.21	+ 3 22.3	1.772	2.672	11.9	16.0
5 11	12 36.34	+ 3 29.1	1.851	2.672	15.2	16.2

141809 2002 NB_{39} 4 6.9 173°.90 0°.7/ 7.7 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 28.62	−12 30.8	2.261	3.056	12.9	20.9
3 12	13 23.67	−11 50.2	2.173	3.060	10.0	20.7
3 22	13 16.86	−10 55.0	2.109	3.063	6.5	20.4
4 1	13 8.79	− 9 48.4	2.073	3.065	2.7	20.2
4 11	13 0.24	− 8 35.3	2.067	3.067	1.5	20.1
4 21	12 52.05	− 7 21.9	2.090	3.067	5.3	20.4
5 1	12 45.01	− 6 14.4	2.141	3.067	8.9	20.6
5 11	12 39.69	− 5 17.6	2.217	3.066	12.0	20.8

378754 2008 RV_{103} 4 6.9 169°.43 2°.7/ 9.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 28.09	−16 23.3	2.114	2.899	14.0	21.5
3 12	13 23.50	−16 24.6	2.026	2.901	11.2	21.3
3 22	13 16.88	−16 10.2	1.960	2.902	7.9	21.1
4 1	13 8.82	−15 40.9	1.920	2.903	4.4	20.9
4 11	13 0.20	−14 59.9	1.908	2.904	2.8	20.8
4 21	12 51.92	−14 12.0	1.924	2.904	5.4	21.0
5 1	12 44.85	−13 23.0	1.967	2.905	8.9	21.2
5 11	12 39.64	−12 38.7	2.035	2.905	12.1	21.4

406406 2007 TD_{115} 4 6.9 189°.57 4°.4/ 2.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 31.25	+ 2 45.5	1.852	2.689	13.7	21.3
3 12	13 26.00	+ 3 41.3	1.776	2.688	10.4	21.1
3 22	13 18.50	+ 4 41.2	1.725	2.687	6.9	20.8
4 1	13 9.44	+ 5 38.4	1.700	2.685	4.5	20.7
4 11	12 59.80	+ 6 25.7	1.704	2.683	5.7	20.8
4 21	12 50.61	+ 6 57.5	1.734	2.680	9.1	20.9
5 1	12 42.84	+ 7 10.3	1.790	2.676	12.6	21.1
5 11	12 37.15	+ 7 3.3	1.867	2.672	15.7	21.3

7032 Hitchcock 4 6.9 93°.61 1°.9/ 8.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 29.67	−14 14.5	1.476	2.290	17.7	17.4
3 12	13 25.31	−13 56.7	1.406	2.300	13.8	17.1
3 22	13 18.28	−13 18.2	1.356	2.311	9.3	16.9
4 1	13 9.39	−12 21.8	1.331	2.321	4.4	16.6
4 11	12 59.85	−11 13.8	1.332	2.331	2.4	16.5
4 21	12 50.94	−10 2.6	1.359	2.341	6.8	16.8
5 1	12 43.81	− 8 57.2	1.411	2.351	11.4	17.1
5 11	12 39.18	− 8 4.7	1.485	2.361	15.4	17.4

326452 2001 VV_{133} 4 6.9 287°.50 2°.5/ 4.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 23.70	− 5 55.7	1.706	2.546	14.5	20.9
3 12	13 20.56	− 4 28.5	1.620	2.535	10.9	20.7
3 22	13 15.20	− 2 44.9	1.556	2.525	6.8	20.4
4 1	13 8.23	− 0 52.1	1.520	2.514	3.0	20.1
4 11	13 0.60	+ 1 0.0	1.511	2.503	4.1	20.2
4 21	12 53.32	+ 2 41.5	1.529	2.492	8.4	20.4
5 1	12 47.36	+ 4 3.9	1.572	2.482	12.6	20.6
5 11	12 43.44	+ 5 2.5	1.637	2.471	16.3	20.8

20556 Midgekimble 4 6.9 234°.61 4°.2/10.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 31.33	−18 48.4	1.858	2.635	16.0	18.9
3 12	13 26.46	−19 6.1	1.759	2.625	13.0	18.7
3 22	13 19.06	−19 5.3	1.680	2.614	9.5	18.4
4 1	13 9.75	−18 45.0	1.626	2.602	6.0	18.2
4 11	12 59.53	−18 7.2	1.600	2.591	4.2	18.1
4 21	12 49.56	−17 16.7	1.600	2.578	6.5	18.2
5 1	12 40.98	−16 20.6	1.627	2.565	10.3	18.4
5 11	12 34.65	−15 26.7	1.678	2.552	14.0	18.6

242629 2005 LS_{17} 4 6.9 283°.88 4°.9/12.4 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 24.64	−24 43.1	2.257	3.002	14.4	20.9
3 12	13 21.03	−24 37.7	2.144	2.982	12.1	20.7
3 22	13 15.41	−24 11.0	2.051	2.962	9.4	20.4
4 1	13 8.32	−23 22.0	1.983	2.942	6.6	20.2
4 11	13 0.53	−22 12.9	1.941	2.922	5.0	20.1
4 21	12 52.93	−20 48.4	1.927	2.901	6.0	20.1
5 1	12 46.40	−19 15.6	1.941	2.881	8.8	20.2
5 11	12 41.65	−17 42.9	1.980	2.861	11.9	20.4

278908 2008 TW_{145} 4 6.9 172°.44 0°.6/ 6.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 28.88	− 6 23.0	2.116	2.934	12.9	21.8
3 12	13 23.98	− 6 6.5	2.034	2.935	9.8	21.6
3 22	13 17.12	− 5 41.1	1.975	2.936	6.2	21.4
4 1	13 8.90	− 5 9.8	1.943	2.937	2.3	21.1
4 11	13 0.17	− 4 37.0	1.939	2.938	2.0	21.1
4 21	12 51.80	− 4 7.4	1.965	2.938	5.9	21.4
5 1	12 44.63	− 3 45.2	2.017	2.939	9.6	21.6
5 11	12 39.26	− 3 33.5	2.093	2.939	12.8	21.8

5842 Cancelli 4 6.9 213°.60 7°.3/14.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 30.41	−29 15.9	2.178	2.888	15.8	17.9
3 12	13 25.56	−29 52.5	2.078	2.883	13.7	17.7
3 22	13 18.38	−30 7.5	1.998	2.877	11.2	17.5
4 1	13 9.46	−29 57.9	1.941	2.871	8.9	17.3
4 11	12 59.74	−29 23.7	1.909	2.865	7.4	17.2
4 21	12 50.28	−28 28.1	1.904	2.858	7.8	17.2
5 1	12 42.12	−27 17.4	1.925	2.851	9.7	17.3
5 11	12 36.04	−26 0.0	1.971	2.843	12.3	17.5

259169 2002 YY_{35} 4 6.9 104°.40 0°.1/ 7.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 29.24	−10 10.9	1.896	2.708	14.4	21.1
3 12	13 24.30	− 9 35.1	1.830	2.727	11.0	20.9
3 22	13 17.29	− 8 45.7	1.786	2.746	7.0	20.7
4 1	13 8.94	− 7 46.5	1.770	2.764	2.7	20.4
4 11	13 0.19	− 6 43.5	1.781	2.781	1.7	20.4
4 21	12 52.00	− 5 43.2	1.822	2.798	6.0	20.7
5 1	12 45.21	− 4 51.6	1.888	2.815	9.8	21.0
5 11	12 40.40	− 4 12.9	1.979	2.831	13.1	21.2

64784 2001 XS_{197} 4 6.9 144°.06 5°.5/31.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 27.94	+ 7 21.0	2.198	3.036	11.8	19.4
3 12	13 23.07	+ 8 38.5	2.138	3.046	9.0	19.3
3 22	13 16.42	+ 9 55.7	2.102	3.055	6.6	19.1
4 1	13 8.60	+11 5.7	2.094	3.064	5.5	19.1
4 11	13 0.42	+12 2.0	2.115	3.072	6.7	19.2
4 21	12 52.69	+12 40.1	2.163	3.080	9.1	19.3
5 1	12 46.13	+12 57.8	2.235	3.087	11.8	19.5
5 11	12 41.28	+12 55.3	2.329	3.094	14.1	19.7

179573 2002 FW_{20} 4 6.9 129°.63 3°.9/10.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 33.09	−19 41.4	2.713	3.457	12.3	20.4
3 12	13 26.87	−20 23.7	2.623	3.466	10.0	20.2
3 22	13 18.85	−20 53.5	2.557	3.474	7.5	20.1
4 1	13 9.56	−21 9.8	2.518	3.482	5.1	19.9
4 11	12 59.74	−21 13.2	2.509	3.490	3.9	19.9
4 21	12 50.18	−21 5.9	2.529	3.498	5.2	20.0
5 1	12 41.67	−20 51.3	2.579	3.506	7.5	20.1
5 11	12 34.77	−20 34.0	2.655	3.513	10.0	20.3

429159 2009 UJ_{149} 4 6.9 112°.95 0°.3/ 6.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 28.06	− 8 25.0	2.065	2.880	13.3	22.3
3 12	13 23.29	− 7 51.6	1.994	2.894	10.1	22.2
3 22	13 16.62	− 7 6.9	1.947	2.908	6.4	22.0
4 1	13 8.70	− 6 14.6	1.926	2.921	2.3	21.7
4 11	13 0.37	− 5 20.1	1.935	2.934	1.9	21.7
4 21	12 52.50	− 4 29.0	1.971	2.946	5.8	22.0
5 1	12 45.89	− 3 46.3	2.035	2.958	9.4	22.2
5 11	12 41.08	− 3 15.8	2.123	2.970	12.6	22.4

57413 2001 SE 4 6.9 194°.73 0°.9/ 7.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 32.02	−11 46.5	1.907	2.709	14.7	20.5
3 12	13 26.68	−11 27.0	1.817	2.707	11.5	20.3
3 22	13 19.02	−10 52.3	1.749	2.704	7.6	20.0
4 1	13 9.68	−10 4.9	1.708	2.700	3.2	19.7
4 11	12 59.65	− 9 9.6	1.695	2.695	1.8	19.6
4 21	12 49.99	− 8 12.4	1.711	2.689	6.1	19.9
5 1	12 41.70	− 7 20.2	1.754	2.683	10.3	20.1
5 11	12 35.53	− 6 38.5	1.820	2.676	14.0	20.3

59479 1999 HX_5 4 6.9 92°.09 6°.6/31.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 26.51	+ 7 18.0	1.798	2.648	13.4	19.2
3 12	13 22.33	+ 8 56.9	1.744	2.659	10.3	19.0
3 22	13 16.10	+10 35.8	1.716	2.671	7.6	18.9
4 1	13 8.51	+12 5.5	1.713	2.682	6.6	18.8
4 11	13 0.52	+13 17.3	1.738	2.693	8.0	18.9
4 21	12 53.08	+14 5.6	1.788	2.704	10.8	19.1
5 1	12 47.03	+14 28.1	1.862	2.715	13.7	19.3
5 11	12 42.94	+14 25.5	1.954	2.726	16.2	19.5

5124 Muraoka 4 6.9 317°.22 0°.6/ 7.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 27.93	−10 16.2	1.325	2.161	18.1	16.9
3 12	13 24.48	−10 3.6	1.244	2.154	14.0	16.6
3 22	13 18.06	− 9 32.8	1.183	2.146	9.2	16.3
4 1	13 9.43	− 8 46.8	1.145	2.139	3.7	16.0
4 11	12 59.82	− 7 52.0	1.132	2.132	2.2	15.9
4 21	12 50.66	− 6 57.0	1.144	2.126	7.8	16.2
5 1	12 43.29	− 6 10.5	1.179	2.120	13.1	16.5
5 11	12 38.67	− 5 39.3	1.234	2.114	17.7	16.7

501074 2013 ST_{47} 4 6.9 190°.40 1°.3/ 5.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 27.32	− 5 12.1	2.702	3.514	10.6	22.9
3 12	13 22.40	− 4 24.0	2.612	3.513	8.0	22.7
3 22	13 15.95	− 3 27.9	2.548	3.510	5.0	22.5
4 1	13 8.44	− 2 27.4	2.513	3.507	2.0	22.3
4 11	13 0.54	− 1 27.3	2.508	3.503	2.3	22.3
4 21	12 52.91	− 0 32.3	2.534	3.498	5.4	22.5
5 1	12 46.18	+ 0 13.7	2.588	3.493	8.5	22.7
5 11	12 40.85	+ 0 47.7	2.666	3.486	11.1	22.8

489922 2008 QB_{35} 4 6.9 261°.64 1°.1/ 6.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 29.87	− 7 38.8	1.522	2.353	16.4	22.6
3 12	13 25.76	− 6 57.9	1.425	2.334	12.6	22.3
3 22	13 18.84	− 6 0.0	1.349	2.314	8.1	21.9
4 1	13 9.74	− 4 49.5	1.298	2.293	3.0	21.6
4 11	12 59.57	− 3 34.1	1.274	2.272	3.0	21.5
4 21	12 49.65	− 2 22.9	1.276	2.251	8.3	21.8
5 1	12 41.26	− 1 24.8	1.303	2.229	13.4	22.0
5 11	12 35.39	− 0 45.8	1.351	2.206	17.9	22.2

53340 1999 JH_{47} 4 6.9 125°.09 5°.5/ 1.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 30.04	+10 2.1	2.265	3.098	11.6	18.8
3 12	13 24.65	+10 37.7	2.196	3.100	9.1	18.7
3 22	13 17.43	+11 10.0	2.152	3.101	6.7	18.5
4 1	13 9.01	+11 33.4	2.134	3.102	5.5	18.5
4 11	13 0.19	+11 43.3	2.145	3.104	6.5	18.5
4 21	12 51.80	+11 36.8	2.184	3.105	8.8	18.7
5 1	12 44.59	+11 12.9	2.247	3.106	11.4	18.8
5 11	12 39.12	+10 32.6	2.332	3.107	13.8	19.0

464998 2006 DS_{91} 4 6.9 100°.65 0°.4/ 6.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 34.06	− 7 51.9	1.594	2.415	16.3	21.6
3 12	13 28.23	− 7 29.3	1.535	2.437	12.3	21.4
3 22	13 19.91	− 6 54.0	1.498	2.459	7.8	21.2
4 1	13 9.96	− 6 10.1	1.486	2.481	2.9	20.9
4 11	12 59.58	− 5 23.9	1.502	2.502	2.2	20.9
4 21	12 49.94	− 4 42.1	1.546	2.522	7.0	21.3
5 1	12 42.08	− 4 10.2	1.616	2.542	11.3	21.6
5 11	12 36.64	− 3 51.9	1.708	2.561	14.9	21.8

478187 2011 UG_{235} 4 6.9 255°.28 4°.8/ 1.9 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 31.96	+ 9 34.3	2.672	3.493	10.4	22.0
3 12	13 25.99	+10 0.5	2.577	3.475	8.2	21.8
3 22	13 18.28	+10 24.1	2.509	3.457	6.0	21.7
4 1	13 9.36	+10 40.5	2.469	3.438	4.8	21.6
4 11	12 59.93	+10 45.8	2.459	3.419	5.6	21.6
4 21	12 50.75	+10 37.0	2.478	3.400	7.9	21.7
5 1	12 42.54	+10 13.1	2.524	3.380	10.4	21.8
5 11	12 35.87	+ 9 34.3	2.593	3.360	12.8	22.0

360702 2004 TD_{33} 4 6.9 112°.05 1°.3/ 7.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 33.33	−11 21.7	1.606	2.418	16.6	21.2
3 12	13 27.87	−11 20.2	1.537	2.431	12.9	21.0
3 22	13 19.82	−11 3.4	1.489	2.444	8.5	20.8
4 1	13 9.98	−10 33.4	1.466	2.457	3.7	20.5
4 11	12 59.55	− 9 55.3	1.470	2.470	2.0	20.4
4 21	12 49.74	− 9 15.2	1.502	2.482	6.6	20.8
5 1	12 41.66	− 8 39.7	1.559	2.493	11.0	21.0
5 11	12 36.02	− 8 14.0	1.639	2.505	14.7	21.3

313059 2000 SL_{40} 4 6.9 202°.35 2°.4/ 4.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 29.72	− 3 17.8	2.112	2.936	12.7	22.3
3 12	13 24.67	− 2 15.2	2.024	2.931	9.6	22.1
3 22	13 17.61	− 1 3.0	1.961	2.925	6.0	21.9
4 1	13 9.14	+ 0 13.4	1.925	2.918	2.8	21.6
4 11	13 0.10	+ 1 27.1	1.919	2.910	3.7	21.7
4 21	12 51.39	+ 2 31.6	1.942	2.901	7.3	21.9
5 1	12 43.86	+ 3 21.7	1.992	2.891	10.9	22.1
5 11	12 38.15	+ 3 54.2	2.065	2.880	14.0	22.3

219661 2001 VA_{12} 4 6.9 227°.37 7°.1/13.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 29.05	−28 29.8	2.062	2.784	16.3	19.9
3 12	13 24.63	−28 56.9	1.963	2.778	14.0	19.7
3 22	13 17.84	−29 1.0	1.883	2.771	11.4	19.5
4 1	13 9.31	−28 39.5	1.826	2.764	8.8	19.3
4 11	12 59.98	−27 52.8	1.794	2.757	7.2	19.2
4 21	12 50.93	−26 45.0	1.789	2.750	7.6	19.2
5 1	12 43.22	−25 23.2	1.810	2.742	9.9	19.3
5 11	12 37.63	−23 56.4	1.855	2.734	12.7	19.5

372447 2009 SC_{96} 4 6.9 192°.73 0°.5/ 6.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 29.91	− 6 45.6	2.550	3.355	11.3	22.2
3 12	13 24.48	− 6 21.9	2.457	3.352	8.6	22.0
3 22	13 17.34	− 5 49.7	2.390	3.349	5.5	21.8
4 1	13 9.01	− 5 12.1	2.351	3.346	2.0	21.5
4 11	13 0.22	− 4 32.8	2.343	3.341	1.8	21.5
4 21	12 51.70	− 3 56.0	2.364	3.336	5.3	21.7
5 1	12 44.18	− 3 25.7	2.414	3.329	8.5	21.9
5 11	12 38.20	− 3 5.0	2.489	3.323	11.4	22.1

196561 2003 QY_{15} 4 6.9 177°.57 0°.9/ 5.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 25.61	− 7 13.0	2.678	3.488	10.7	21.4
3 12	13 21.12	− 6 16.0	2.591	3.490	8.1	21.2
3 22	13 15.14	− 5 9.3	2.530	3.492	5.0	21.1
4 1	13 8.16	− 3 56.9	2.498	3.493	1.9	20.8
4 11	13 0.81	− 2 43.7	2.497	3.493	2.0	20.8
4 21	12 53.76	− 1 34.9	2.526	3.493	5.2	21.1
5 1	12 47.60	− 0 35.2	2.583	3.492	8.3	21.3
5 11	12 42.83	+ 0 12.3	2.665	3.491	10.9	21.4

498688 2008 SX_{271} 4 6.9 250°.72 1°.6/ 5.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 30.82	− 3 7.0	2.177	2.997	12.5	21.8
3 12	13 25.56	− 2 52.1	2.078	2.982	9.5	21.6
3 22	13 18.24	− 2 30.7	2.003	2.966	6.0	21.3
4 1	13 9.42	− 2 6.2	1.956	2.950	2.4	21.1
4 11	12 59.91	− 1 42.8	1.938	2.933	2.8	21.1
4 21	12 50.64	− 1 24.9	1.949	2.916	6.5	21.3
5 1	12 42.48	− 1 16.1	1.987	2.899	10.2	21.5
5 11	12 36.13	− 1 19.0	2.048	2.881	13.5	21.6

173871 2001 TW_{235} 4 6.9 168°.47 3°.0/ 3.2 18 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 24.24	+ 0 8.0	2.510	3.342	10.7	20.4
3 12	13 20.17	+ 1 11.3	2.434	3.345	8.0	20.2
3 22	13 14.57	+ 2 19.7	2.383	3.347	5.1	20.0
4 1	13 7.95	+ 3 28.1	2.360	3.348	3.1	19.9
4 11	13 0.96	+ 4 30.8	2.367	3.350	4.0	20.0
4 21	12 54.29	+ 5 23.2	2.403	3.351	6.7	20.1
5 1	12 48.55	+ 6 1.7	2.465	3.352	9.5	20.3
5 11	12 44.23	+ 6 24.4	2.550	3.352	12.0	20.5

28809 2000 HY_{102} 4 6.9 216°.95 2°.6/ 4.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 30.27	− 1 27.6	1.912	2.743	13.5	19.4
3 12	13 25.28	− 0 54.5	1.828	2.738	10.2	19.2
3 22	13 18.10	− 0 14.6	1.768	2.733	6.5	18.9
4 1	13 9.36	+ 0 27.2	1.735	2.727	3.1	18.7
4 11	13 0.00	+ 1 4.9	1.730	2.721	3.8	18.7
4 21	12 51.01	+ 1 33.2	1.753	2.715	7.6	18.9
5 1	12 43.34	+ 1 48.1	1.801	2.709	11.4	19.1
5 11	12 37.68	+ 1 47.4	1.872	2.702	14.7	19.3

235167 2003 SC_{36} 4 6.9 247°.42 2°.3/ 4.6 17

3 2	13 28.92	− 1 21.5	2.440	3.261	11.3	20.9
3 12	13 23.91	− 0 47.3	2.337	3.242	8.5	20.7
3 22	13 17.10	− 0 7.3	2.259	3.222	5.4	20.5
4 1	13 8.97	+ 0 34.6	2.210	3.202	2.6	20.2
4 11	13 0.24	+ 1 13.8	2.190	3.181	3.3	20.2
4 21	12 51.70	+ 1 45.8	2.200	3.159	6.5	20.4
5 1	12 44.12	+ 2 6.7	2.237	3.137	9.8	20.6
5 11	12 38.10	+ 2 14.4	2.298	3.114	12.8	20.7

345084 2005 LA_{11} 4 6.9 349°.72 5°.7/31.7 17

3 2	13 25.04	+ 7 16.6	2.013	2.861	12.3	20.3
3 12	13 21.15	+ 8 28.5	1.946	2.859	9.5	20.2
3 22	13 15.36	+ 9 40.6	1.902	2.858	6.9	20.0
4 1	13 8.29	+10 45.6	1.885	2.857	5.7	19.9
4 11	13 0.76	+11 36.8	1.896	2.856	7.0	20.0
4 21	12 53.63	+12 9.0	1.932	2.856	9.7	20.1
5 1	12 47.69	+12 19.9	1.992	2.855	12.5	20.3
5 11	12 43.51	+12 9.4	2.073	2.855	15.1	20.5

331531 2000 SO_{143} 4 6.9 175°.38 2°.3/ 9.5 17

3 2	13 26.68	−17 12.0	2.125	2.909	14.0	21.1
3 12	13 22.42	−16 45.2	2.036	2.910	11.1	20.9
3 22	13 16.20	−16 0.3	1.969	2.912	7.8	20.6
4 1	13 8.62	−14 59.1	1.928	2.913	4.2	20.4
4 11	13 0.52	−13 46.1	1.916	2.913	2.4	20.3
4 21	12 52.78	−12 27.5	1.932	2.913	5.3	20.5
5 1	12 46.23	−11 10.5	1.976	2.913	8.8	20.7
5 11	12 41.48	−10 1.4	2.044	2.913	12.1	20.9

119058 2001 KT_{24} 4 6.9 283°.66 2°.4/ 5.4 18

3 2	13 31.39	− 3 12.7	1.333	2.180	17.4	19.8
3 12	13 27.14	− 2 49.8	1.251	2.169	13.3	19.5
3 22	13 19.82	− 2 16.2	1.189	2.157	8.5	19.2
4 1	13 10.15	− 1 37.2	1.151	2.146	3.5	18.9
4 11	12 59.43	− 1 0.4	1.138	2.134	4.1	18.9
4 21	12 49.13	− 0 33.4	1.151	2.123	9.3	19.2
5 1	12 40.66	− 0 22.3	1.186	2.112	14.4	19.4
5 11	12 35.00	− 0 30.3	1.241	2.101	18.9	19.6

231425 2007 EF_{105} 4 6.9 340°.07 2°.0/ 5.5 18

3 2	13 26.73	− 6 35.6	1.236	2.088	18.1	20.3
3 12	13 23.60	− 5 42.0	1.164	2.085	13.8	20.0
3 22	13 17.50	− 4 30.4	1.113	2.082	8.7	19.7
4 1	13 9.23	− 3 7.7	1.085	2.080	3.3	19.4
4 11	13 0.11	− 1 44.6	1.081	2.078	3.9	19.4
4 21	12 51.56	− 0 31.8	1.102	2.076	9.3	19.7
5 1	12 44.89	+ 0 21.7	1.145	2.075	14.5	20.0
5 11	12 40.98	+ 0 50.9	1.208	2.074	18.9	20.3

505067 2011 SM_{175} 4 6.9 197°.27 0°.4/ 6.5 17

3 2	13 27.22	− 6 32.7	2.625	3.434	10.9	22.2
3 12	13 22.41	− 6 20.4	2.535	3.433	8.3	22.0
3 22	13 16.01	− 6 0.8	2.471	3.431	5.2	21.8
4 1	13 8.52	− 5 36.3	2.434	3.429	1.9	21.5
4 11	13 0.61	− 5 10.4	2.427	3.426	1.6	21.5
4 21	12 52.95	− 4 46.4	2.450	3.423	4.9	21.7
5 1	12 46.23	− 4 27.8	2.501	3.421	8.1	21.9
5 11	12 40.94	− 4 17.3	2.577	3.418	10.8	22.1

335236 2005 GF_{190} 4 6.9 144°.98 0°.1/ 6.8 17

3 2	13 27.29	− 8 24.9	2.280	3.091	12.3	22.0
3 12	13 22.64	− 8 0.6	2.199	3.096	9.4	21.8
3 22	13 16.23	− 7 26.2	2.142	3.102	6.0	21.6
4 1	13 8.61	− 6 44.6	2.113	3.107	2.2	21.3
4 11	13 0.56	− 6 0.2	2.112	3.112	1.6	21.3
4 21	12 52.87	− 5 17.9	2.141	3.117	5.4	21.6
5 1	12 46.28	− 4 42.0	2.197	3.121	8.8	21.8
5 11	12 41.33	− 4 16.1	2.277	3.125	11.8	22.0

55605 2002 RW_{139} 4 6.9 254°.98 5°.1/ 2.8 18

3 2	13 33.29	+ 5 30.1	1.869	2.704	13.6	19.1
3 12	13 27.77	+ 6 10.3	1.778	2.686	10.6	18.9
3 22	13 19.82	+ 6 51.9	1.710	2.668	7.3	18.6
4 1	13 10.08	+ 7 28.4	1.668	2.649	5.2	18.5
4 11	12 59.53	+ 7 53.2	1.655	2.630	6.4	18.5
4 21	12 49.27	+ 8 1.2	1.668	2.610	9.7	18.6
5 1	12 40.38	+ 7 49.5	1.707	2.589	13.3	18.8
5 11	12 33.64	+ 7 18.0	1.767	2.568	16.6	19.0

10734 Wieck 4 6.9 291°.99 0°.0/ 6.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 23.53	−10 35.8	2.168	2.982	12.8	17.7
3 12	13 19.99	− 9 50.4	2.078	2.977	9.8	17.5
3 22	13 14.65	− 8 50.9	2.012	2.972	6.3	17.3
4 1	13 8.05	− 7 41.1	1.973	2.967	2.4	17.0
4 11	13 0.96	− 6 26.4	1.962	2.962	1.6	16.9
4 21	12 54.17	− 5 13.2	1.980	2.957	5.6	17.2
5 1	12 48.45	− 4 7.7	2.025	2.952	9.2	17.4
5 11	12 44.36	− 3 14.7	2.093	2.947	12.5	17.6

429093 2009 RU_{68} 4 6.9 248°.73 1°.7/ 5.8 17

3 2	13 33.03	− 2 30.5	1.812	2.639	14.4	20.6
3 12	13 27.49	− 2 29.8	1.730	2.637	10.9	20.4
3 22	13 19.57	− 2 23.3	1.671	2.635	6.9	20.1
4 1	13 9.96	− 2 14.4	1.639	2.633	2.8	19.9
4 11	12 59.67	− 2 7.6	1.635	2.631	3.0	19.9
4 21	12 49.81	− 2 6.7	1.659	2.629	7.2	20.1
5 1	12 41.40	− 2 15.1	1.709	2.627	11.2	20.4
5 11	12 35.18	− 2 34.8	1.781	2.625	14.7	20.6

301378 2009 CZ_{62} 4 6.9 286°.03 0°.4/ 6.5 17

3 2	13 27.39	− 6 19.0	2.327	3.143	11.9	20.5
3 12	13 22.75	− 6 9.9	2.240	3.141	9.1	20.3
3 22	13 16.33	− 5 53.1	2.178	3.139	5.7	20.1
4 1	13 8.68	− 5 31.2	2.143	3.137	2.1	19.9
4 11	13 0.55	− 5 7.7	2.137	3.136	1.8	19.8
4 21	12 52.72	− 4 46.4	2.159	3.134	5.4	20.1
5 1	12 45.93	− 4 31.2	2.209	3.132	8.8	20.3
5 11	12 40.76	− 4 24.7	2.283	3.130	11.8	20.5

245972 2006 SR_{111} 4 6.9 135°.70 5°.5/30.1 18

3 2	13 25.24	+11 41.5	2.804	3.637	9.7	20.5
3 12	13 20.72	+12 56.6	2.749	3.649	7.6	20.4
3 22	13 14.83	+14 8.4	2.720	3.660	6.0	20.3
4 1	13 8.05	+15 11.5	2.719	3.671	5.5	20.2
4 11	13 1.00	+16 0.9	2.747	3.682	6.5	20.3
4 21	12 54.30	+16 33.6	2.802	3.692	8.3	20.5
5 1	12 48.50	+16 48.1	2.882	3.701	10.3	20.6
5 11	12 44.03	+16 44.9	2.983	3.711	12.1	20.7

138970 2001 CV_{19} 4 6.9 27°.35 25°.0/ 4.7 18

3 2	13 25.72	−51 51.5	0.870	1.548	36.3	18.8
3 12	13 26.26	−54 23.0	0.818	1.551	34.7	18.6
3 22	13 21.22	−56 1.3	0.771	1.553	32.7	18.5
4 1	13 11.19	−56 28.9	0.729	1.557	30.5	18.3
4 11	12 58.69	−55 31.7	0.697	1.560	28.2	18.1
4 21	12 47.27	−53 4.9	0.674	1.565	26.2	18.0
5 1	12 40.16	−49 18.2	0.665	1.570	25.1	17.9
5 11	12 38.86	−44 37.5	0.670	1.575	25.2	18.0

472373 2015 BC_{65} 4 6.9 298°.53 9°.0/28.3 17

3 2	13 26.22	+13 26.5	1.753	2.604	13.7	20.8
3 12	13 22.59	+15 6.9	1.673	2.580	11.2	20.6
3 22	13 16.61	+16 45.1	1.616	2.556	9.4	20.4
4 1	13 8.89	+18 10.6	1.584	2.532	9.1	20.3
4 11	13 0.38	+19 13.6	1.578	2.507	10.8	20.4
4 21	12 52.17	+19 47.5	1.594	2.484	13.5	20.5
5 1	12 45.29	+19 49.6	1.632	2.460	16.5	20.6
5 11	12 40.53	+19 21.3	1.687	2.436	19.2	20.7

100689 1997 YW_{6} 4 6.9 145°.13 5°.2/31.7 18

3 2	13 29.42	+ 8 27.9	2.482	3.312	10.8	20.2
3 12	13 23.99	+ 9 38.0	2.423	3.326	8.4	20.0
3 22	13 16.94	+10 46.8	2.390	3.339	6.2	19.9
4 1	13 8.86	+11 48.1	2.385	3.351	5.2	19.8
4 11	13 0.47	+12 36.4	2.409	3.362	6.2	19.9
4 21	12 52.51	+13 8.2	2.462	3.373	8.4	20.1
5 1	12 45.64	+13 21.6	2.540	3.383	10.8	20.2
5 11	12 40.34	+13 16.9	2.640	3.392	12.9	20.4

417781 2007 EA_{33} 4 6.9 135°.59 0°.0/ 6.8 16

3 2	13 28.49	− 9 52.5	2.103	2.912	13.3	22.4
3 12	13 23.66	− 9 17.8	2.027	2.923	10.1	22.2
3 22	13 16.91	− 8 30.5	1.975	2.934	6.5	22.0
4 1	13 8.89	− 7 34.2	1.950	2.944	2.5	21.8
4 11	13 0.44	− 6 34.1	1.954	2.954	1.6	21.7
4 21	12 52.42	− 5 36.1	1.987	2.963	5.6	22.0
5 1	12 45.63	− 4 45.7	2.047	2.971	9.3	22.2
5 11	12 40.65	− 4 7.0	2.131	2.980	12.5	22.5

167020 2003 QH_{32} 4 6.9 159°.41 1°.7/ 8.4 18

3 2	13 31.94	−12 58.0	1.846	2.646	15.2	20.8
3 12	13 26.65	−12 53.7	1.765	2.651	11.9	20.6
3 22	13 19.03	−12 34.1	1.705	2.656	8.0	20.3
4 1	13 9.75	−12 1.0	1.671	2.661	3.8	20.1
4 11	12 59.84	−11 18.5	1.665	2.664	2.1	20.0
4 21	12 50.37	−10 32.3	1.688	2.668	6.0	20.2
5 1	12 42.36	− 9 48.7	1.737	2.671	10.1	20.5
5 11	12 36.52	− 9 13.3	1.809	2.673	13.7	20.7

121481 Reganhoward 4 6.9 160°.48 2°.4/ 4.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 25.89	− 3 5.0	2.062	2.894	12.6	19.9
3 12	13 21.76	− 2 7.5	1.985	2.896	9.5	19.7
3 22	13 15.76	− 1 1.5	1.932	2.898	5.9	19.5
4 1	13 8.47	+ 0 7.7	1.907	2.900	2.8	19.3
4 11	13 0.72	+ 1 13.4	1.910	2.901	3.6	19.4
4 21	12 53.35	+ 2 9.7	1.942	2.903	7.1	19.6
5 1	12 47.15	+ 2 51.8	1.999	2.904	10.6	19.8
5 11	12 42.69	+ 3 17.0	2.079	2.905	13.6	20.0

56520 2000 HO_{21} 4 6.9 293°.48 4°.3/ 3.8 18

3 2	13 28.54	− 0 20.7	1.349	2.204	16.7	19.2
3 12	13 24.96	+ 0 32.6	1.265	2.187	12.8	18.9
3 22	13 18.44	+ 1 36.3	1.202	2.170	8.3	18.6
4 1	13 9.66	+ 2 42.6	1.162	2.154	4.6	18.3
4 11	12 59.85	+ 3 41.5	1.148	2.137	6.0	18.3
4 21	12 50.39	+ 4 24.1	1.159	2.121	10.7	18.5
5 1	12 42.66	+ 4 43.9	1.192	2.104	15.5	18.7
5 11	12 37.61	+ 4 38.5	1.243	2.089	19.7	19.0

502130 2015 BA_{19} 4 6.9 61°.77 1°.1/ 7.9 17

3 2	13 29.12	−11 9.2	1.701	2.517	15.6	21.4
3 12	13 24.60	−11 4.7	1.629	2.527	12.1	21.2
3 22	13 17.73	−10 45.6	1.579	2.536	7.9	21.0
4 1	13 9.25	−10 14.5	1.554	2.546	3.5	20.7
4 11	13 0.20	− 9 36.1	1.556	2.556	1.9	20.6
4 21	12 51.67	− 8 56.2	1.585	2.566	6.2	20.9
5 1	12 44.65	− 8 21.0	1.640	2.577	10.4	21.2
5 11	12 39.83	− 7 55.6	1.718	2.587	14.0	21.4

390258 2012 XZ_{129} 4 6.9 43°.44 0°.1/ 7.1 17

3 2	13 26.52	− 8 37.8	2.124	2.939	12.9	21.0
3 12	13 22.19	− 8 27.7	2.048	2.947	9.9	20.8
3 22	13 16.00	− 8 7.3	1.995	2.955	6.3	20.6
4 1	13 8.56	− 7 39.5	1.969	2.963	2.4	20.4
4 11	13 0.67	− 7 8.2	1.972	2.972	1.6	20.3
4 21	12 53.17	− 6 38.0	2.002	2.980	5.4	20.6
5 1	12 46.84	− 6 13.1	2.060	2.989	9.0	20.9
5 11	12 42.24	− 5 57.0	2.141	2.998	12.1	21.1

88863 2001 SP_{249} 4 6.9 257°.89 0°.8/ 6.2 18

3 2	13 28.27	− 7 15.9	1.952	2.773	13.7	20.6
3 12	13 23.91	− 6 43.0	1.852	2.756	10.5	20.3
3 22	13 17.35	− 5 57.8	1.775	2.738	6.7	20.0
4 1	13 9.16	− 5 3.8	1.725	2.720	2.5	19.7
4 11	13 0.21	− 4 6.7	1.704	2.702	2.3	19.7
4 21	12 51.49	− 3 12.8	1.710	2.683	6.7	19.9
5 1	12 43.97	− 2 28.1	1.742	2.664	10.8	20.1
5 11	12 38.39	− 1 57.3	1.798	2.645	14.5	20.3

92184 1999 XK_{204} 4 6.9 193°.41 2°.3/ 9.7 18

3 2	13 26.23	−16 22.6	2.909	3.679	10.9	19.0
3 12	13 21.61	−16 28.1	2.813	3.678	8.7	18.9
3 22	13 15.50	−16 22.2	2.740	3.676	6.2	18.7
4 1	13 8.36	−16 5.6	2.695	3.675	3.6	18.5
4 11	13 0.79	−15 40.3	2.679	3.673	2.3	18.4
4 21	12 53.44	−15 9.3	2.692	3.671	4.2	18.6
5 1	12 46.93	−14 36.4	2.735	3.668	6.9	18.7
5 11	12 41.75	−14 5.5	2.803	3.666	9.4	18.9

99904 2002 QH_{48} 4 6.9 27°.30 2°.0/ 5.0 17

3 2	13 25.71	− 4 0.2	1.917	2.751	13.4	19.8
3 12	13 21.77	− 3 16.3	1.841	2.753	10.0	19.6
3 22	13 15.83	− 2 23.2	1.788	2.755	6.3	19.3
4 1	13 8.52	− 1 25.9	1.762	2.756	2.6	19.1
4 11	13 0.70	− 0 30.8	1.764	2.758	3.3	19.2
4 21	12 53.29	+ 0 16.1	1.794	2.761	7.0	19.4
5 1	12 47.12	+ 0 50.1	1.848	2.763	10.7	19.6
5 11	12 42.81	+ 1 8.1	1.926	2.765	14.0	19.8

522676 2016 GH_{267} 4 6.9 202°.73 6°.0/30.9 17

3 2	13 26.97	+ 9 39.8	2.250	3.089	11.5	21.4
3 12	13 22.45	+10 55.4	2.180	3.087	9.0	21.2
3 22	13 16.14	+12 9.7	2.135	3.083	6.8	21.1
4 1	13 8.61	+13 15.6	2.118	3.080	6.1	21.0
4 11	13 0.64	+14 6.8	2.128	3.076	7.3	21.1
4 21	12 53.03	+14 38.9	2.165	3.072	9.6	21.2
5 1	12 46.52	+14 49.8	2.226	3.067	12.2	21.4
5 11	12 41.68	+14 39.7	2.307	3.062	14.5	21.6

303826 2005 SB_{118} 4 6.9 268°.59 1°.4/ 5.6 17

3 2	13 27.79	− 3 22.5	2.432	3.252	11.4	20.5
3 12	13 23.05	− 3 8.0	2.335	3.239	8.6	20.3
3 22	13 16.55	− 2 47.5	2.262	3.225	5.4	20.1
4 1	13 8.79	− 2 24.2	2.217	3.211	2.2	19.8
4 11	13 0.49	− 2 1.7	2.202	3.197	2.4	19.8
4 21	12 52.41	− 1 43.9	2.215	3.183	5.8	20.0
5 1	12 45.29	− 1 34.0	2.256	3.169	9.1	20.2
5 11	12 39.73	− 1 34.4	2.321	3.155	12.1	20.4

456865 2007 VF_{11} 4 6.9 114°.70 7°.6/31.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 34.72	+12 17.3	1.814	2.648	14.0	21.0
3 12	13 28.43	+13 23.0	1.766	2.667	11.1	20.9
3 22	13 19.91	+14 22.6	1.743	2.685	8.6	20.7
4 1	13 10.00	+15 7.8	1.746	2.703	7.6	20.7
4 11	12 59.77	+15 32.4	1.776	2.721	8.7	20.8
4 21	12 50.28	+15 33.1	1.832	2.737	11.2	21.0
5 1	12 42.44	+15 10.0	1.911	2.753	13.8	21.2
5 11	12 36.80	+14 25.9	2.010	2.768	16.3	21.4

403303 2009 BA_{175} 4 6.9 158°.73 1°.2/ 8.0 18

3 2	13 31.84	−12 27.0	1.957	2.755	14.6	22.5
3 12	13 26.41	−12 9.0	1.876	2.763	11.3	22.3
3 22	13 18.79	−11 36.0	1.817	2.770	7.5	22.0
4 1	13 9.65	−10 50.6	1.785	2.776	3.3	21.8
4 11	12 59.95	− 9 57.3	1.782	2.782	1.8	21.7
4 21	12 50.70	− 9 2.1	1.807	2.786	5.8	22.0
5 1	12 42.83	− 8 11.3	1.860	2.790	9.7	22.2
5 11	12 37.01	− 7 30.2	1.937	2.794	13.2	22.4

213023 1995 WK_{18} 4 6.9 333°.27 1°.7/ 8.7 17

3 2	13 24.24	−14 9.4	2.109	2.911	13.5	20.0
3 12	13 20.63	−13 53.3	2.019	2.906	10.6	19.8
3 22	13 15.12	−13 22.0	1.951	2.902	7.2	19.6
4 1	13 8.27	−12 37.5	1.909	2.898	3.6	19.4
4 11	13 0.87	−11 43.7	1.895	2.894	1.9	19.2
4 21	12 53.77	−10 46.3	1.908	2.890	5.2	19.4
5 1	12 47.79	− 9 51.2	1.949	2.887	8.9	19.7
5 11	12 43.53	− 9 3.8	2.013	2.884	12.2	19.9

523778 2014 YK_{50} 4 6.9 359°.21 0°.2/ 3.7 18

3 2	13 6.61	+ 1 32.7	38.208	39.033	0.8	21.9
3 12	13 5.93	+ 1 36.5	38.124	39.032	0.6	21.9
3 22	13 5.17	+ 1 40.3	38.068	39.031	0.4	21.8
4 1	13 4.37	+ 1 44.0	38.040	39.029	0.2	21.8
4 11	13 3.55	+ 1 47.4	38.043	39.028	0.3	21.8
4 21	13 2.74	+ 1 50.4	38.075	39.027	0.5	21.9
5 1	13 1.97	+ 1 52.7	38.135	39.025	0.7	21.9
5 11	13 1.27	+ 1 54.3	38.221	39.024	0.9	21.9

100179 1994 AQ_{6} 4 6.9 124°.49 7°.2/30.5 18

3 2	13 28.49	+10 54.0	1.906	2.750	13.0	19.5
3 12	13 23.79	+12 20.4	1.851	2.758	10.3	19.3
3 22	13 17.04	+13 43.4	1.821	2.767	8.0	19.2
4 1	13 8.95	+14 54.5	1.817	2.775	7.3	19.1
4 11	13 0.45	+15 46.2	1.839	2.782	8.6	19.2
4 21	12 52.49	+16 14.2	1.887	2.790	11.1	19.4
5 1	12 45.90	+16 17.0	1.958	2.797	13.7	19.6
5 11	12 41.25	+15 56.2	2.048	2.804	16.1	19.8

457684 2009 DR_{100} 4 6.9 73°.61 1°.2/ 6.1 16

3 2	13 32.04	− 5 6.4	1.477	2.313	16.6	22.2
3 12	13 27.14	− 4 54.7	1.407	2.318	12.6	21.9
3 22	13 19.52	− 4 32.6	1.358	2.323	8.0	21.7
4 1	13 9.98	− 4 4.1	1.333	2.328	3.0	21.4
4 11	12 59.75	− 3 35.4	1.335	2.334	2.9	21.4
4 21	12 50.11	− 3 12.6	1.364	2.339	7.8	21.7
5 1	12 42.24	− 3 0.6	1.417	2.344	12.4	21.9
5 11	12 36.90	− 3 2.9	1.491	2.350	16.3	22.2

64413 2001 UY_{168} 4 6.9 157°.04 3°.2/ 9.9 18

3 2	13 31.71	−17 18.6	2.238	3.008	13.8	19.3
3 12	13 26.17	−17 33.7	2.151	3.015	11.1	19.1
3 22	13 18.59	−17 33.9	2.086	3.021	7.9	19.0
4 1	13 9.58	−17 19.5	2.048	3.026	4.7	18.8
4 11	13 0.01	−16 52.6	2.039	3.031	3.2	18.7
4 21	12 50.79	−16 17.2	2.058	3.035	5.4	18.8
5 1	12 42.79	−15 38.5	2.105	3.039	8.6	19.0
5 11	12 36.65	−15 2.1	2.177	3.043	11.6	19.2

236506 2006 GS_{36} 4 6.9 267°.73 0°.8/ 6.1 17

3 2	13 25.65	− 7 34.0	2.149	2.969	12.7	20.7
3 12	13 21.71	− 6 50.4	2.047	2.951	9.7	20.4
3 22	13 15.85	− 5 54.5	1.970	2.932	6.1	20.2
4 1	13 8.58	− 4 50.0	1.919	2.914	2.3	19.9
4 11	13 0.67	− 3 42.5	1.897	2.895	2.2	19.9
4 21	12 52.97	− 2 38.3	1.904	2.876	6.2	20.1
5 1	12 46.31	− 1 43.2	1.937	2.856	10.0	20.3
5 11	12 41.37	− 1 1.8	1.993	2.837	13.4	20.4

276532 2003 SV_{49} 4 6.9 196°.94 3°.0/ 2.9 18

3 2	13 24.73	− 2 34.5	2.314	3.144	11.5	20.9
3 12	13 20.73	− 0 53.9	2.231	3.142	8.6	20.7
3 22	13 15.05	+ 0 56.5	2.174	3.139	5.4	20.5
4 1	13 8.22	+ 2 50.1	2.147	3.136	3.1	20.4
4 11	13 0.95	+ 4 38.8	2.150	3.133	4.3	20.4
4 21	12 53.98	+ 6 15.5	2.183	3.129	7.4	20.6
5 1	12 48.03	+ 7 34.6	2.242	3.125	10.5	20.8
5 11	12 43.62	+ 8 33.1	2.325	3.120	13.3	21.0

52060 2002 QJ_7 4 6.9 103°.71 5°.4/11.1 18 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 34.35	−20 33.6	1.740	2.509	17.2	18.5
3 12	13 28.76	−21 17.4	1.664	2.521	14.1	18.3
3 22	13 20.52	−21 41.7	1.608	2.532	10.6	18.1
4 1	13 10.38	−21 44.5	1.577	2.544	7.2	17.9
4 11	12 59.50	−21 27.2	1.571	2.555	5.4	17.9
4 21	12 49.13	−20 54.0	1.593	2.566	7.1	18.0
5 1	12 40.42	−20 12.0	1.640	2.577	10.4	18.2
5 11	12 34.19	−19 29.1	1.711	2.588	13.7	18.4

229772 2008 KX_{10} 4 6.9 228°.60 1°.4/ 5.3 18

3 2	13 28.03	− 5 17.7	2.513	3.326	11.2	21.6
3 12	13 23.20	− 4 29.2	2.410	3.311	8.5	21.4
3 22	13 16.65	− 3 31.3	2.333	3.295	5.4	21.2
4 1	13 8.86	− 2 27.9	2.284	3.278	2.1	20.9
4 11	13 0.52	− 1 24.1	2.266	3.261	2.5	20.9
4 21	12 52.38	− 0 25.1	2.277	3.242	5.9	21.1
5 1	12 45.17	+ 0 24.3	2.317	3.223	9.2	21.3
5 11	12 39.48	+ 1 0.6	2.381	3.203	12.2	21.4

66245 1999 FH_{29} 4 6.9 288°.70 3°.3/ 4.2 18

3 2	13 26.24	− 3 36.8	1.437	2.288	16.2	18.7
3 12	13 22.99	− 2 27.6	1.354	2.274	12.2	18.4
3 22	13 17.06	− 1 3.5	1.292	2.261	7.8	18.1
4 1	13 9.14	+ 0 27.9	1.255	2.248	3.7	17.8
4 11	13 0.34	+ 1 56.2	1.243	2.235	5.0	17.8
4 21	12 51.92	+ 3 11.2	1.257	2.222	9.7	18.1
5 1	12 45.08	+ 4 5.0	1.295	2.209	14.4	18.3
5 11	12 40.69	+ 4 33.3	1.351	2.196	18.5	18.5

360520 2003 QY_{52} 4 6.9 288°.15 1°.5/ 7.9 17

3 2	13 30.30	−11 7.1	1.497	2.319	17.1	20.9
3 12	13 26.28	−11 12.7	1.397	2.298	13.5	20.6
3 22	13 19.35	−11 2.6	1.319	2.277	9.0	20.3
4 1	13 10.10	−10 37.7	1.264	2.256	4.1	19.9
4 11	12 59.64	−10 2.1	1.235	2.235	2.2	19.8
4 21	12 49.36	− 9 22.1	1.231	2.213	7.4	20.0
5 1	12 40.63	− 8 45.3	1.253	2.192	12.6	20.2
5 11	12 34.50	− 8 18.7	1.295	2.171	17.2	20.5

164369 2005 ED_{49} 4 6.9 64°.69 4°.9/11.2 18

3 2	13 30.59	−20 34.5	2.035	2.798	15.2	20.4
3 12	13 25.62	−21 12.9	1.950	2.803	12.5	20.2
3 22	13 18.41	−21 34.3	1.886	2.808	9.4	20.0
4 1	13 9.58	−21 37.3	1.847	2.813	6.4	19.9
4 11	13 0.08	−21 23.2	1.835	2.819	4.9	19.8
4 21	12 50.94	−20 55.4	1.851	2.824	6.3	19.9
5 1	12 43.12	−20 19.6	1.893	2.829	9.2	20.1
5 11	12 37.34	−19 42.2	1.959	2.834	12.3	20.3

105963 2000 SR_{258} 4 6.9 39°.07 1°.5/ 5.4 18

3 2	13 24.76	− 4 38.1	2.090	2.921	12.6	18.6
3 12	13 20.87	− 4 1.2	2.018	2.928	9.4	18.4
3 22	13 15.18	− 3 15.8	1.970	2.936	5.9	18.2
4 1	13 8.29	− 2 26.5	1.949	2.944	2.3	18.0
4 11	13 0.99	− 1 38.5	1.956	2.952	2.7	18.0
4 21	12 54.08	− 0 57.1	1.991	2.960	6.3	18.2
5 1	12 48.32	− 0 26.4	2.052	2.968	9.7	18.5
5 11	12 44.24	− 0 9.3	2.136	2.977	12.7	18.7

480388 2015 KM_{49} 4 6.9 305°.68 4°.7/12.5 17

3 2	13 23.22	−24 31.5	2.194	2.944	14.6	21.3
3 12	13 19.98	−24 16.1	2.089	2.932	12.2	21.1
3 22	13 14.79	−23 38.3	2.006	2.921	9.4	20.9
4 1	13 8.20	−22 38.0	1.947	2.909	6.5	20.7
4 11	13 1.02	−21 18.0	1.914	2.898	4.7	20.5
4 21	12 54.09	−19 44.0	1.910	2.887	5.8	20.6
5 1	12 48.28	−18 3.7	1.933	2.876	8.6	20.7
5 11	12 44.23	−16 25.6	1.981	2.865	11.8	20.9

508262 2015 HF_{133} 4 6.9 311°.59 2°.9/ 4.3 17

3 2	13 27.59	+ 0 19.0	2.027	2.863	12.7	21.6
3 12	13 23.19	+ 0 45.0	1.941	2.853	9.6	21.3
3 22	13 16.78	+ 1 15.6	1.880	2.844	6.2	21.1
4 1	13 8.95	+ 1 46.0	1.845	2.836	3.2	20.9
4 11	13 0.53	+ 2 11.1	1.838	2.827	4.0	20.9
4 21	12 52.43	+ 2 26.5	1.858	2.819	7.4	21.1
5 1	12 45.51	+ 2 28.8	1.905	2.810	10.9	21.3
5 11	12 40.42	+ 2 16.5	1.973	2.802	14.1	21.5

312868 2011 UQ_{154} 4 6.9 163°.45 1°.0/ 6.1 18

3 2	13 31.85	− 6 31.4	1.867	2.686	14.3	21.6
3 12	13 26.49	− 5 58.4	1.789	2.692	10.9	21.4
3 22	13 18.89	− 5 14.3	1.735	2.697	6.9	21.2
4 1	13 9.74	− 4 23.2	1.707	2.701	2.5	20.9
4 11	13 0.02	− 3 31.1	1.707	2.705	2.5	20.9
4 21	12 50.78	− 2 44.1	1.736	2.708	6.8	21.2
5 1	12 42.95	− 2 7.6	1.792	2.711	10.8	21.4
5 11	12 37.21	− 1 45.2	1.870	2.712	14.2	21.6

161761 2006 TK_{26} 4 6.9 237°.62 0°.0/ 6.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 25.92	− 8 52.2	2.658	3.463	10.9	21.1
3 12	13 21.53	− 8 27.5	2.557	3.450	8.4	20.9
3 22	13 15.55	− 7 53.1	2.480	3.438	5.4	20.7
4 1	13 8.45	− 7 11.6	2.431	3.425	2.1	20.4
4 11	13 0.87	− 6 26.7	2.412	3.412	1.4	20.4
4 21	12 53.48	− 5 42.6	2.423	3.398	4.8	20.6
5 1	12 46.96	− 5 3.3	2.461	3.384	8.0	20.8
5 11	12 41.84	− 4 32.6	2.525	3.370	10.9	20.9

66523 1999 RN_{102} 4 6.9 237°.69 1°.9/ 9.1 18

3 2	13 27.41	−15 51.7	2.468	3.247	12.4	20.0
3 12	13 22.87	−15 30.0	2.358	3.231	9.9	19.8
3 22	13 16.52	−14 53.3	2.272	3.215	6.8	19.5
4 1	13 8.85	−14 2.7	2.212	3.198	3.6	19.3
4 11	13 0.58	−13 1.7	2.182	3.180	2.0	19.1
4 21	12 52.50	−11 55.1	2.181	3.161	4.9	19.3
5 1	12 45.38	−10 48.9	2.209	3.142	8.3	19.5
5 11	12 39.83	− 9 48.6	2.262	3.122	11.4	19.6

33706 1999 LD_5 4 6.9 110°.47 7°.8/29.5 18

3 2	13 27.48	+11 49.4	1.880	2.726	13.1	18.6
3 12	13 23.08	+13 30.5	1.829	2.736	10.4	18.5
3 22	13 16.63	+15 7.4	1.803	2.745	8.3	18.4
4 1	13 8.85	+16 30.9	1.803	2.755	7.8	18.3
4 11	13 0.66	+17 33.1	1.830	2.764	9.2	18.4
4 21	12 53.01	+18 9.4	1.881	2.773	11.6	18.6
5 1	12 46.74	+18 18.5	1.955	2.782	14.2	18.8
5 11	12 42.39	+18 2.2	2.047	2.791	16.4	19.0

92471 2000 KX_{69} 4 6.9 171°.18 1°.8/ 5.2 18

3 2	13 29.41	− 6 3.9	1.821	2.647	14.3	20.4
3 12	13 24.70	− 5 1.2	1.744	2.651	10.8	20.2
3 22	13 17.78	− 3 45.7	1.689	2.654	6.8	20.0
4 1	13 9.33	− 2 23.1	1.662	2.656	2.7	19.7
4 11	13 0.31	− 1 1.2	1.663	2.658	3.2	19.7
4 21	12 51.76	+ 0 12.1	1.692	2.659	7.4	20.0
5 1	12 44.59	+ 1 10.6	1.747	2.659	11.4	20.2
5 11	12 39.48	+ 1 50.3	1.825	2.659	14.9	20.5

493557 2015 KO_5 4 6.9 32°.52 0°.8/ 7.8 17

3 2	13 26.08	−11 18.9	1.997	2.809	13.8	20.7
3 12	13 22.07	−11 1.6	1.916	2.811	10.7	20.5
3 22	13 16.06	−10 30.7	1.857	2.814	7.0	20.3
4 1	13 8.67	− 9 48.8	1.824	2.816	3.0	20.1
4 11	13 0.76	− 9 0.7	1.819	2.819	1.6	20.0
4 21	12 53.22	− 8 11.8	1.842	2.822	5.6	20.2
5 1	12 46.89	− 7 27.7	1.891	2.825	9.4	20.5
5 11	12 42.40	− 6 53.3	1.964	2.828	12.7	20.7

315286 2007 TM_{125} 4 6.9 163°.93 1°.1/ 5.9 18

3 2	13 30.34	− 6 43.7	1.953	2.771	13.8	21.6
3 12	13 25.25	− 5 59.2	1.874	2.777	10.4	21.3
3 22	13 18.06	− 5 3.1	1.820	2.782	6.6	21.1
4 1	13 9.42	− 4 0.1	1.792	2.787	2.4	20.9
4 11	13 0.26	− 2 56.4	1.793	2.791	2.5	20.9
4 21	12 51.55	− 1 58.4	1.823	2.794	6.6	21.1
5 1	12 44.17	− 1 11.7	1.880	2.796	10.5	21.4
5 11	12 38.75	− 0 40.0	1.960	2.798	13.8	21.6

210582 1999 VS_{157} 4 6.9 161°.63 1°.4/ 8.3 16

3 2	13 29.29	−13 58.8	1.951	2.748	14.6	20.8
3 12	13 24.54	−13 29.3	1.868	2.754	11.4	20.6
3 22	13 17.65	−12 42.8	1.808	2.759	7.6	20.3
4 1	13 9.28	−11 42.0	1.773	2.763	3.5	20.1
4 11	13 0.36	−10 32.1	1.767	2.767	1.8	20.0
4 21	12 51.86	− 9 19.9	1.790	2.770	5.7	20.2
5 1	12 44.70	− 8 12.5	1.840	2.773	9.7	20.5
5 11	12 39.52	− 7 15.8	1.913	2.775	13.1	20.7

10792 Ecuador 4 6.9 227°.28 2°.7/ 3.6 18 R

3 2	13 24.13	− 0 57.9	2.461	3.292	10.9	17.9
3 12	13 20.22	+ 0 3.5	2.376	3.287	8.1	17.7
3 22	13 14.72	+ 1 11.2	2.316	3.281	5.2	17.5
4 1	13 8.13	+ 2 20.3	2.285	3.275	2.9	17.4
4 11	13 1.12	+ 3 25.1	2.283	3.269	3.8	17.4
4 21	12 54.39	+ 4 20.3	2.310	3.263	6.7	17.6
5 1	12 48.58	+ 5 2.2	2.364	3.256	9.7	17.8
5 11	12 44.21	+ 5 28.2	2.440	3.250	12.3	17.9

331896 2004 NM_{24} 4 6.9 239°.57 4°.2/ 3.1 18

3 2	13 31.37	+ 4 17.4	2.145	2.976	12.3	21.0
3 12	13 25.98	+ 4 54.6	2.055	2.963	9.4	20.7
3 22	13 18.55	+ 5 33.7	1.990	2.950	6.4	20.5
4 1	13 9.64	+ 6 9.3	1.953	2.936	4.3	20.4
4 11	13 0.11	+ 6 35.8	1.944	2.921	5.3	20.4
4 21	12 50.87	+ 6 48.9	1.963	2.907	8.3	20.6
5 1	12 42.80	+ 6 45.8	2.008	2.891	11.5	20.7
5 11	12 36.58	+ 6 26.0	2.075	2.876	14.5	20.9

499057 2009 DY_{117} 4 6.9 357°.48 2°.7/ 8.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 26.39	−13 4.2	1.174	2.013	19.8	21.6
3 12	13 23.65	−13 21.8	1.102	2.009	15.6	21.3
3 22	13 17.76	−13 18.8	1.047	2.007	10.7	21.0
4 1	13 9.48	−12 56.3	1.015	2.005	5.4	20.7
4 11	13 0.20	−12 19.0	1.005	2.005	3.0	20.5
4 21	12 51.46	−11 34.7	1.019	2.005	7.8	20.8
5 1	12 44.70	−10 52.7	1.056	2.007	13.1	21.1
5 11	12 40.90	−10 21.3	1.111	2.010	17.8	21.4

288099 2003 WE_{25} 4 6.9 133°.45 1°.4/ 5.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 29.57	− 6 16.4	1.811	2.637	14.4	21.4
3 12	13 24.77	− 5 30.5	1.740	2.647	10.9	21.2
3 22	13 17.78	− 4 33.0	1.692	2.656	6.8	21.0
4 1	13 9.32	− 3 29.0	1.670	2.665	2.6	20.7
4 11	13 0.36	− 2 25.2	1.677	2.674	2.8	20.8
4 21	12 51.91	− 1 28.4	1.711	2.682	7.0	21.0
5 1	12 44.89	− 0 44.3	1.772	2.690	10.9	21.3
5 11	12 39.92	− 0 16.4	1.855	2.697	14.3	21.5

508316 2015 KN_{139} 4 6.9 233°.69 4°.4/ 2.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 27.46	+ 6 15.7	2.413	3.247	11.0	21.4
3 12	13 22.72	+ 6 56.2	2.335	3.243	8.4	21.2
3 22	13 16.30	+ 7 36.5	2.283	3.240	5.9	21.0
4 1	13 8.73	+ 8 11.9	2.258	3.236	4.4	20.9
4 11	13 0.75	+ 8 37.4	2.262	3.232	5.4	21.0
4 21	12 53.09	+ 8 49.5	2.294	3.228	7.8	21.1
5 1	12 46.46	+ 8 46.3	2.352	3.224	10.5	21.3
5 11	12 41.38	+ 8 27.4	2.432	3.220	12.9	21.4

153746 2001 UF_{156} 4 6.9 73°.57 0°.8/ 7.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 27.41	−12 11.2	1.712	2.528	15.6	20.4
3 12	13 23.26	−11 40.1	1.644	2.541	12.0	20.2
3 22	13 16.87	−10 52.2	1.597	2.555	7.8	20.0
4 1	13 8.98	− 9 51.3	1.576	2.568	3.3	19.8
4 11	13 0.60	− 8 43.5	1.582	2.582	1.7	19.7
4 21	12 52.76	− 7 36.3	1.615	2.595	6.2	20.0
5 1	12 46.41	− 6 36.8	1.674	2.609	10.3	20.3
5 11	12 42.16	− 5 50.5	1.756	2.623	13.9	20.5

285411 1999 VW_{2} 4 6.9 105°.94 3°.5/ 9.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 30.25	−17 31.5	1.386	2.192	19.1	20.5
3 12	13 26.12	−17 26.5	1.313	2.198	15.2	20.2
3 22	13 19.07	−16 56.9	1.258	2.205	10.7	20.0
4 1	13 9.91	−16 3.8	1.227	2.211	6.0	19.7
4 11	12 59.95	−14 52.5	1.221	2.217	3.6	19.6
4 21	12 50.61	−13 32.0	1.240	2.224	7.1	19.8
5 1	12 43.16	−12 13.0	1.284	2.229	11.8	20.1
5 11	12 38.44	−11 4.9	1.350	2.235	16.1	20.4

17812 1998 FH_{109} 4 6.9 238°.09 1°.2/ 8.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 23.67	−14 49.3	2.545	3.334	11.8	18.4
3 12	13 19.90	−14 7.8	2.445	3.326	9.2	18.2
3 22	13 14.55	−13 11.5	2.370	3.318	6.2	18.0
4 1	13 8.09	−12 2.6	2.321	3.310	3.0	17.7
4 11	13 1.17	−10 45.7	2.303	3.302	1.5	17.6
4 21	12 54.51	− 9 26.0	2.313	3.294	4.6	17.8
5 1	12 48.75	− 8 9.7	2.352	3.285	7.9	18.0
5 11	12 44.43	− 7 1.8	2.417	3.276	10.8	18.2

93052 2000 SH_{9} 4 6.9 0°.65 0°.5/ 6.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 21.16	−17 41.6	1.427	2.245	18.0	18.2
3 12	13 19.04	−14 58.0	1.342	2.243	13.9	17.9
3 22	13 14.44	−11 34.5	1.280	2.242	8.9	17.6
4 1	13 8.12	− 7 41.4	1.246	2.241	3.2	17.2
4 11	13 1.18	− 3 37.0	1.243	2.242	2.9	17.2
4 21	12 54.78	+ 0 17.0	1.271	2.244	8.6	17.6
5 1	12 49.97	+ 3 41.9	1.326	2.246	13.7	17.9
5 11	12 47.43	+ 6 26.7	1.404	2.249	17.9	18.1

313769 2003 XG_{14} 4 6.9 45°.47 17°.8/19.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 34.94	−37 27.2	1.049	1.779	28.4	20.0
3 12	13 31.79	−39 53.8	0.989	1.785	25.9	19.8
3 22	13 23.94	−41 42.6	0.940	1.791	23.0	19.6
4 1	13 12.13	−42 40.1	0.905	1.797	20.4	19.5
4 11	12 58.35	−42 37.5	0.887	1.804	18.4	19.4
4 21	12 45.21	−41 35.9	0.886	1.811	17.8	19.4
5 1	12 35.23	−39 47.8	0.903	1.819	18.9	19.4
5 11	12 29.89	−37 33.9	0.937	1.826	21.1	19.6

95924 2003 JT_{3} 4 6.9 306°.02 5°.4/ 2.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 26.28	+ 0 59.2	1.295	2.157	16.8	18.7
3 12	13 23.38	+ 2 10.4	1.211	2.138	12.8	18.4
3 22	13 17.53	+ 3 32.6	1.149	2.118	8.6	18.1
4 1	13 9.42	+ 4 56.5	1.110	2.098	5.5	17.9
4 11	13 0.24	+ 6 10.3	1.096	2.079	7.3	17.9
4 21	12 51.39	+ 7 3.8	1.105	2.061	11.8	18.1
5 1	12 44.26	+ 7 29.9	1.135	2.043	16.5	18.3
5 11	12 39.82	+ 7 26.4	1.183	2.025	20.8	18.5

375726 2009 QB_{45} 4 6.9 211°.75 2°.0/ 9.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 30.27	−15 5.7	2.438	3.216	12.6	23.5
3 12	13 25.02	−14 59.2	2.335	3.207	10.0	23.3
3 22	13 17.89	−14 39.2	2.256	3.198	6.9	23.1
4 1	13 9.40	−14 6.5	2.203	3.188	3.6	22.9
4 11	13 0.30	−13 24.1	2.181	3.178	2.1	22.8
4 21	12 51.43	−12 36.2	2.187	3.166	4.9	22.9
5 1	12 43.59	−11 48.0	2.223	3.154	8.3	23.1
5 11	12 37.41	−11 4.6	2.283	3.141	11.4	23.3

195346 2002 ET_{151} 4 6.9 339°.15 0°.0/ 6.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 24.32	−10 8.9	1.654	2.483	15.4	20.1
3 12	13 21.17	− 9 32.1	1.571	2.478	11.8	19.9
3 22	13 15.72	− 8 38.6	1.510	2.473	7.6	19.6
4 1	13 8.61	− 7 32.5	1.473	2.468	2.9	19.3
4 11	13 0.83	− 6 20.6	1.464	2.464	2.0	19.2
4 21	12 53.45	− 5 10.7	1.480	2.460	6.8	19.5
5 1	12 47.44	− 4 10.6	1.522	2.456	11.2	19.8
5 11	12 43.56	− 3 25.9	1.586	2.454	15.1	20.0

231421 2007 EU_{55} 4 6.9 212°.21 0°.5/ 7.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 31.57	− 9 29.9	2.534	3.328	11.7	21.0
3 12	13 25.89	− 9 24.2	2.433	3.319	9.1	20.8
3 22	13 18.39	− 9 9.2	2.356	3.310	5.9	20.6
4 1	13 9.57	− 8 46.5	2.307	3.299	2.4	20.4
4 11	13 0.19	− 8 19.3	2.289	3.289	1.4	20.3
4 21	12 51.02	− 7 51.1	2.301	3.277	5.0	20.5
5 1	12 42.84	− 7 26.0	2.341	3.264	8.4	20.7
5 11	12 36.25	− 7 7.5	2.407	3.251	11.4	20.9

511056 2013 SU_{45} 4 6.9 217°.34 1°.0/ 4.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 18.37	− 2 43.7	4.734	5.550	6.3	21.5
3 12	13 15.18	− 2 15.1	4.644	5.547	4.7	21.4
3 22	13 11.22	− 1 43.4	4.581	5.544	2.9	21.2
4 1	13 6.76	− 1 10.6	4.547	5.540	1.3	21.1
4 11	13 2.11	− 0 38.9	4.544	5.537	1.6	21.1
4 21	12 57.58	− 0 10.1	4.571	5.533	3.3	21.2
5 1	12 53.50	+ 0 13.7	4.627	5.530	5.1	21.4
5 11	12 50.10	+ 0 31.2	4.709	5.526	6.7	21.5

109522 2001 QU_{243} 4 6.9 266°.58 2°.8/ 9.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 28.72	−15 50.2	2.250	3.032	13.4	19.1
3 12	13 24.03	−16 7.0	2.151	3.024	10.7	18.9
3 22	13 17.35	−16 10.4	2.076	3.016	7.6	18.7
4 1	13 9.22	−16 0.6	2.027	3.008	4.4	18.5
4 11	13 0.44	−15 39.6	2.005	3.000	2.9	18.4
4 21	12 51.89	−15 11.0	2.013	2.992	5.3	18.5
5 1	12 44.42	−14 39.6	2.047	2.984	8.6	18.7
5 11	12 38.72	−14 10.6	2.107	2.976	11.8	18.9

211976 2005 AL_{26} 4 6.9 77°.80 2°.4/ 5.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 31.28	− 3 57.0	1.463	2.303	16.5	20.9
3 12	13 26.33	− 3 9.2	1.410	2.325	12.3	20.7
3 22	13 18.85	− 2 11.1	1.379	2.346	7.7	20.5
4 1	13 9.73	− 1 9.4	1.374	2.368	3.2	20.3
4 11	13 0.19	− 0 12.4	1.395	2.389	3.9	20.4
4 21	12 51.44	+ 0 32.9	1.442	2.410	8.3	20.7
5 1	12 44.49	+ 1 1.4	1.514	2.431	12.5	21.0
5 11	12 39.96	+ 1 11.0	1.606	2.452	16.0	21.2

119624 2001 WM_{73} 4 6.9 48°.48 1°.4/ 5.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 28.00	− 5 33.2	1.672	2.507	15.0	20.0
3 12	13 23.82	− 5 1.6	1.600	2.511	11.4	19.8
3 22	13 17.31	− 4 19.0	1.549	2.515	7.1	19.6
4 1	13 9.20	− 3 30.1	1.524	2.519	2.7	19.3
4 11	13 0.50	− 2 41.4	1.527	2.524	2.9	19.3
4 21	12 52.29	− 1 59.4	1.556	2.529	7.3	19.6
5 1	12 45.56	− 1 29.5	1.610	2.533	11.4	19.9
5 11	12 40.99	− 1 15.1	1.686	2.538	15.0	20.1

211323 2002 SB_{59} 4 6.9 164°.97 6°.2/14.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 30.31	−28 49.2	2.622	3.320	13.7	21.5
3 12	13 25.09	−29 25.0	2.527	3.324	11.7	21.3
3 22	13 17.95	−29 42.6	2.453	3.327	9.6	21.2
4 1	13 9.44	−29 40.1	2.403	3.331	7.5	21.1
4 11	13 0.33	−29 17.9	2.380	3.333	6.3	21.0
4 21	12 51.48	−28 38.5	2.385	3.336	6.6	21.0
5 1	12 43.72	−27 46.9	2.417	3.338	8.3	21.1
5 11	12 37.67	−26 49.2	2.474	3.339	10.4	21.2

313335 2002 GJ_{4} 4 6.9 135°.44 0°.9/ 6.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 2	13 51.79	− 0 53.6	1.106	1.935	21.4	20.1
3 12	13 43.43	− 2 0.3	1.034	1.939	16.6	19.8
3 22	13 30.66	− 3 7.3	0.982	1.944	10.8	19.5
4 1	13 14.51	− 4 15.3	0.954	1.948	4.1	19.1
4 11	12 56.97	− 5 24.7	0.953	1.952	3.1	19.1
4 21	12 40.36	− 6 34.9	0.979	1.956	9.8	19.4
5 1	12 26.72	− 7 46.4	1.030	1.959	15.8	19.8
5 11	12 17.23	− 9 0.5	1.101	1.962	20.7	20.1

396377 2014 DW_{113} 4 6.9 84°.93 8°.7/15.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 36.78	−33 42.4	2.420	3.079	15.6	20.9
3 12	13 30.32	−35 4.2	2.341	3.098	13.7	20.8
3 22	13 21.45	−36 5.6	2.282	3.116	11.8	20.7
4 1	13 10.82	−36 42.2	2.247	3.134	10.0	20.6
4 11	12 59.42	−36 52.6	2.237	3.151	8.8	20.5
4 21	12 48.35	−36 38.3	2.253	3.169	8.9	20.6
5 1	12 38.66	−36 4.3	2.295	3.187	9.9	20.7
5 11	12 31.14	−35 17.8	2.361	3.204	11.6	20.8

403862 2011 UT_{389} 4 6.9 174°.62 2°.5/ 9.1 17

3 2	13 33.04	−15 14.6	1.879	2.667	15.4	22.3
3 12	13 27.58	−15 16.2	1.792	2.670	12.2	22.1
3 22	13 19.73	−15 1.1	1.728	2.672	8.5	21.9
4 1	13 10.16	−14 30.2	1.689	2.674	4.5	21.7
4 11	12 59.88	−13 47.0	1.678	2.675	2.7	21.5
4 21	12 50.02	−12 57.0	1.695	2.675	6.0	21.8
5 1	12 41.61	−12 7.1	1.739	2.675	10.0	22.0
5 11	12 35.38	−11 23.6	1.808	2.674	13.6	22.2

369665 2011 HF_{14} 4 6.9 82°.45 0°.9/ 5.9 18

3 2	13 24.47	− 9 19.7	1.906	2.729	13.9	20.4
3 12	13 20.86	− 8 6.4	1.832	2.737	10.5	20.2
3 22	13 15.29	− 6 37.8	1.781	2.745	6.6	19.9
4 1	13 8.41	− 4 59.6	1.757	2.753	2.4	19.7
4 11	13 1.08	− 3 19.7	1.762	2.760	2.4	19.7
4 21	12 54.19	− 1 46.3	1.796	2.768	6.5	20.0
5 1	12 48.56	− 0 26.6	1.856	2.776	10.4	20.2
5 11	12 44.74	+ 0 34.7	1.939	2.784	13.7	20.4

25410 Abejar 4 6.9 115°.49 2°.7/ 9.6 18

3 2	13 29.92	−17 13.0	1.837	2.624	15.8	19.4
3 12	13 25.10	−16 55.0	1.763	2.639	12.5	19.2
3 22	13 18.04	−16 17.4	1.710	2.653	8.7	19.0
4 1	13 9.47	−15 22.1	1.683	2.667	4.7	18.8
4 11	13 0.39	−14 14.1	1.684	2.681	2.8	18.7
4 21	12 51.84	−13 0.2	1.713	2.694	5.8	18.9
5 1	12 44.77	−11 48.3	1.768	2.707	9.6	19.1
5 11	12 39.82	−10 45.3	1.847	2.719	13.1	19.4

384024 2008 UJ_{102} 4 6.9 208°.16 1°.1/ 8.2 17

3 2	13 26.32	−13 20.6	2.208	3.006	13.1	21.8
3 12	13 22.14	−12 51.6	2.116	3.003	10.2	21.6
3 22	13 16.10	−12 7.8	2.047	2.999	6.8	21.4
4 1	13 8.74	−11 11.6	2.005	2.995	3.1	21.1
4 11	13 0.85	−10 7.5	1.991	2.991	1.6	21.0
4 21	12 53.27	− 9 1.2	2.007	2.987	5.2	21.2
5 1	12 46.78	− 7 58.8	2.049	2.982	8.8	21.4
5 11	12 41.99	− 7 5.7	2.117	2.977	12.1	21.6

497989 2007 DD_{40} 4 7.0 347°.94 1°.0/ 6.3 17

3 2	13 25.97	− 5 34.3	1.294	2.147	17.4	20.5
3 12	13 23.04	− 5 27.7	1.218	2.138	13.3	20.3
3 22	13 17.25	− 5 9.0	1.161	2.130	8.5	20.0
4 1	13 9.31	− 4 42.3	1.127	2.123	3.2	19.6
4 11	13 0.46	− 4 14.0	1.118	2.117	2.9	19.6
4 21	12 52.06	− 3 51.2	1.133	2.113	8.3	19.9
5 1	12 45.42	− 3 39.9	1.171	2.110	13.4	20.1
5 11	12 41.43	− 3 44.3	1.228	2.108	17.8	20.4

421575 2014 OA_{194} 4 7.0 232°.04 1°.0/ 6.1 17

3 2	13 30.87	− 7 12.7	1.925	2.742	14.0	22.9
3 12	13 25.95	− 6 33.0	1.826	2.728	10.7	22.7
3 22	13 18.74	− 5 40.3	1.751	2.713	6.8	22.4
4 1	13 9.82	− 4 38.5	1.702	2.697	2.6	22.1
4 11	13 0.12	− 3 33.8	1.682	2.680	2.5	22.0
4 21	12 50.67	− 2 32.8	1.691	2.663	6.9	22.3
5 1	12 42.47	− 1 42.1	1.726	2.644	11.1	22.5
5 11	12 36.31	− 1 6.5	1.784	2.625	14.9	22.7

116200 2003 XY_{14} 4 7.0 264°.77 3°.3/ 4.9 18

3 2	13 39.05	+ 2 6.9	1.814	2.637	14.5	18.8
3 12	13 32.44	+ 2 7.5	1.712	2.615	11.2	18.5
3 22	13 23.06	+ 2 9.4	1.632	2.593	7.4	18.3
4 1	13 11.54	+ 2 8.6	1.580	2.570	3.8	18.0
4 11	12 58.95	+ 2 0.1	1.557	2.547	4.5	18.0
4 21	12 46.56	+ 1 40.4	1.563	2.524	8.5	18.2
5 1	12 35.62	+ 1 7.2	1.596	2.500	12.8	18.4
5 11	12 27.07	+ 0 19.9	1.651	2.475	16.6	18.5

299860 2006 SK_{267} 4 7.0 121°.96 1°.5/ 8.8 18

3 2	13 26.31	−13 58.9	2.634	3.419	11.6	21.2
3 12	13 21.75	−13 46.1	2.552	3.430	9.0	21.0
3 22	13 15.66	−13 21.5	2.495	3.441	6.1	20.8
4 1	13 8.53	−12 46.7	2.465	3.452	3.0	20.7
4 11	13 1.04	−12 5.1	2.464	3.462	1.7	20.6
4 21	12 53.87	−11 20.6	2.492	3.472	4.3	20.8
5 1	12 47.66	−10 37.7	2.549	3.482	7.3	21.0
5 11	12 42.90	−10 0.2	2.632	3.492	10.0	21.2

497975 2007 CZ_{10} 4 7.0 119°.28 3°.2/ 2.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 2	13 24.25	+ 2 44.2	2.843	3.674	9.6	22.2
3 12	13 20.01	+ 3 42.3	2.778	3.687	7.2	22.1
3 22	13 14.45	+ 4 42.7	2.740	3.700	4.8	21.9
4 1	13 8.04	+ 5 40.6	2.730	3.713	3.2	21.9
4 11	13 1.37	+ 6 31.6	2.750	3.726	4.1	21.9
4 21	12 55.02	+ 7 12.1	2.799	3.738	6.4	22.1
5 1	12 49.52	+ 7 39.4	2.875	3.750	8.7	22.3
5 11	12 45.28	+ 7 52.7	2.973	3.761	10.8	22.4

439122 2011 SH_{152} 4 7.0 172°.64 0°.1/ 6.8 18

3 2	13 26.19	− 7 55.4	2.865	3.668	10.3	22.3
3 12	13 21.55	− 7 35.7	2.777	3.671	7.8	22.1
3 22	13 15.49	− 7 8.3	2.714	3.673	5.0	21.9
4 1	13 8.47	− 6 35.4	2.680	3.674	1.9	21.7
4 11	13 1.08	− 6 0.4	2.676	3.675	1.3	21.6
4 21	12 53.95	− 5 26.8	2.702	3.676	4.5	21.9
5 1	12 47.66	− 4 58.0	2.756	3.677	7.4	22.1
5 11	12 42.68	− 4 36.7	2.836	3.677	9.9	22.2

42619 1998 FE_{12} 4 7.0 325°.60 7°.3/31.6 17

3 2	13 21.16	+ 2 46.1	1.169	2.047	17.1	19.2
3 12	13 19.69	+ 4 33.2	1.091	2.025	13.1	18.9
3 22	13 15.29	+ 6 33.1	1.034	2.004	9.2	18.6
4 1	13 8.63	+ 8 33.1	1.000	1.983	7.3	18.4
4 11	13 0.91	+10 17.8	0.989	1.963	9.6	18.5
4 21	12 53.56	+11 34.1	1.000	1.945	14.1	18.6
5 1	12 47.96	+12 14.0	1.030	1.928	18.7	18.8
5 11	12 45.09	+12 15.9	1.076	1.912	22.8	19.1

165352 2000 WQ_{26} 4 7.0 71°.52 0°.9/ 7.7 18

3 2	13 30.96	−11 32.7	1.434	2.257	17.7	20.8
3 12	13 26.27	−11 13.1	1.376	2.277	13.6	20.6
3 22	13 18.93	−10 35.7	1.338	2.297	8.8	20.3
4 1	13 9.83	− 9 44.3	1.325	2.317	3.7	20.1
4 11	13 0.22	− 8 45.7	1.337	2.338	2.0	20.0
4 21	12 51.37	− 7 48.0	1.376	2.358	6.9	20.4
5 1	12 44.36	− 6 58.7	1.440	2.378	11.5	20.7
5 11	12 39.86	− 6 23.3	1.526	2.398	15.3	21.0

502162 2015 BQ_{57} 4 7.0 113°.79 1°.0/ 6.1 17

3 2	13 29.29	− 6 4.6	1.977	2.798	13.5	21.8
3 12	13 24.41	− 5 36.9	1.905	2.809	10.2	21.6
3 22	13 17.52	− 4 59.7	1.857	2.820	6.4	21.4
4 1	13 9.27	− 4 16.9	1.835	2.830	2.4	21.1
4 11	13 0.57	− 3 33.6	1.842	2.840	2.3	21.2
4 21	12 52.34	− 2 55.3	1.877	2.850	6.3	21.4
5 1	12 45.40	− 2 26.4	1.939	2.859	10.0	21.7
5 11	12 40.37	− 2 10.1	2.023	2.868	13.2	21.9

265794 2005 WK_{180} 4 7.0 184°.55 2°.4/ 4.6 17

3 2	13 28.34	− 2 27.5	2.098	2.927	12.6	20.6
3 12	13 23.66	− 1 41.4	2.018	2.927	9.5	20.4
3 22	13 17.06	− 0 47.8	1.962	2.927	6.0	20.2
4 1	13 9.13	+ 0 8.3	1.934	2.926	2.8	20.0
4 11	13 0.70	+ 1 1.1	1.934	2.925	3.5	20.0
4 21	12 52.63	+ 1 45.1	1.962	2.924	7.0	20.2
5 1	12 45.74	+ 2 15.9	2.017	2.922	10.5	20.4
5 11	12 40.63	+ 2 31.3	2.095	2.920	13.5	20.6

169021 2001 DP_{90} 4 7.0 39°.13 7°.1/12.4 18

3 2	13 29.38	−23 3.2	1.254	2.047	21.4	19.3
3 12	13 25.75	−23 46.4	1.196	2.063	17.7	19.1
3 22	13 18.96	−24 0.7	1.155	2.081	13.6	18.9
4 1	13 9.95	−23 43.8	1.134	2.100	9.5	18.7
4 11	13 0.18	−22 58.6	1.136	2.119	7.2	18.6
4 21	12 51.21	−21 52.8	1.161	2.139	8.5	18.8
5 1	12 44.36	−20 37.7	1.210	2.159	12.0	19.0
5 11	12 40.47	−19 24.9	1.280	2.180	15.8	19.3

381569 2008 UG_{80} 4 7.0 183°.00 3°.5/10.9 17

3 2	13 27.05	−20 11.7	2.265	3.029	13.8	21.1
3 12	13 22.74	−20 5.4	2.172	3.030	11.2	20.9
3 22	13 16.51	−19 41.2	2.101	3.030	8.2	20.7
4 1	13 8.94	−18 59.7	2.056	3.030	5.2	20.5
4 11	13 0.83	−18 3.8	2.039	3.029	3.5	20.4
4 21	12 53.03	−16 58.5	2.050	3.028	5.3	20.5
5 1	12 46.36	−15 50.1	2.088	3.027	8.3	20.7
5 11	12 41.42	−14 45.1	2.152	3.026	11.4	20.9

502964 2015 EP_{72} 4 7.0 341°.70 0°.0/ 6.7 17

3 2	13 22.68	−10 21.1	1.596	2.429	15.7	20.3
3 12	13 20.05	− 9 38.3	1.512	2.421	12.0	20.0
3 22	13 15.10	− 8 37.4	1.450	2.414	7.7	19.8
4 1	13 8.46	− 7 22.8	1.412	2.407	3.0	19.5
4 11	13 1.13	− 6 2.0	1.400	2.400	2.0	19.4
4 21	12 54.18	− 4 43.6	1.415	2.395	7.0	19.7
5 1	12 48.62	− 3 36.0	1.455	2.390	11.5	19.9
5 11	12 45.19	− 2 45.4	1.515	2.386	15.5	20.1