390971 2005 QS_{132} 4 15.9 73°.75 1°.2/17.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 0.71	−14 27.8	2.317	3.131	12.2	21.0
3 22	13 55.79	−14 30.9	2.234	3.134	9.3	20.8
4 1	13 49.09	−14 24.0	2.175	3.136	6.0	20.6
4 11	13 41.23	−14 8.5	2.143	3.139	2.6	20.4
4 21	13 32.94	−13 47.2	2.140	3.141	1.9	20.4
5 1	13 25.06	−13 23.6	2.165	3.144	5.3	20.6
5 11	13 18.34	−13 1.8	2.218	3.147	8.6	20.8
5 21	13 13.31	−12 45.3	2.294	3.149	11.6	21.0

105819 2000 SN_{142} 4 15.9 159°.01 4°.5/20.6 18

3 12	14 2.06	−25 48.4	2.625	3.381	12.4	20.3
3 22	13 56.78	−26 14.9	2.535	3.384	10.2	20.1
4 1	13 49.71	−26 26.6	2.467	3.386	7.8	20.0
4 11	13 41.45	−26 22.8	2.425	3.389	5.5	19.8
4 21	13 32.71	−26 4.4	2.411	3.391	4.5	19.8
5 1	13 24.34	−25 34.3	2.426	3.393	5.6	19.8
5 11	13 17.07	−24 56.9	2.468	3.395	7.9	20.0
5 21	13 11.46	−24 17.3	2.535	3.397	10.4	20.1

467139 2016 EG_{79} 4 15.9 349°.76 7°.7/ 8.6 17

3 12	13 56.34	+ 3 5.5	1.423	2.298	15.0	20.5
3 22	13 53.31	+ 5 4.0	1.363	2.294	11.6	20.3
4 1	13 47.88	+ 7 4.9	1.326	2.290	8.6	20.1
4 11	13 40.87	+ 8 55.9	1.314	2.287	7.8	20.0
4 21	13 33.33	+10 25.9	1.326	2.285	9.9	20.1
5 1	13 26.43	+11 26.6	1.362	2.284	13.2	20.3
5 11	13 21.18	+11 54.5	1.418	2.283	16.7	20.5
5 21	13 18.21	+11 51.0	1.491	2.282	19.7	20.8

123722 2000 YX_{134} 4 15.9 38°.50 8°.2/22.6 17

3 12	14 3.03	−30 10.7	1.576	2.345	18.9	18.7
3 22	13 58.56	−31 3.1	1.509	2.357	15.9	18.5
4 1	13 51.26	−31 29.6	1.460	2.371	12.7	18.3
4 11	13 42.04	−31 27.4	1.433	2.384	9.8	18.2
4 21	13 32.15	−30 56.9	1.429	2.399	8.2	18.1
5 1	13 23.01	−30 3.2	1.450	2.414	9.0	18.2
5 11	13 15.84	−28 55.5	1.495	2.429	11.6	18.4
5 21	13 11.38	−27 43.7	1.561	2.445	14.5	18.6

434955 2006 US_{47} 4 15.9 218°.16 2°.9/19.3 17

3 12	13 59.55	−22 8.4	2.653	3.431	11.8	21.9
3 22	13 54.85	−22 1.6	2.554	3.425	9.4	21.7
4 1	13 48.50	−21 40.6	2.478	3.417	6.7	21.5
4 11	13 41.04	−21 6.0	2.428	3.410	4.0	21.4
4 21	13 33.15	−20 20.1	2.408	3.402	3.0	21.3
5 1	13 25.58	−19 26.8	2.416	3.393	4.9	21.4
5 11	13 19.02	−18 31.0	2.453	3.385	7.7	21.5
5 21	13 14.00	−17 37.6	2.515	3.376	10.5	21.7

37749 Umbertobonori 4 15.9 62°.81 2°.3/18.1 18

3 12	14 0.02	−19 16.1	1.720	2.536	15.6	19.2
3 22	13 55.74	−18 52.6	1.652	2.549	12.2	19.0
4 1	13 49.23	−18 10.1	1.605	2.562	8.2	18.7
4 11	13 41.30	−17 11.3	1.584	2.576	4.0	18.5
4 21	13 32.97	−16 1.6	1.589	2.589	2.7	18.5
5 1	13 25.31	−14 48.1	1.621	2.603	6.3	18.7
5 11	13 19.25	−13 38.7	1.679	2.616	10.3	19.0
5 21	13 15.34	−12 39.7	1.759	2.630	13.8	19.2

303732 2005 QF_{54} 4 15.9 87°.50 5°.3/21.3 18

3 12	14 2.32	−27 25.7	2.405	3.157	13.5	20.8
3 22	13 57.13	−27 58.9	2.322	3.165	11.2	20.6
4 1	13 50.00	−28 15.3	2.260	3.173	8.7	20.5
4 11	13 41.57	−28 13.9	2.223	3.181	6.4	20.3
4 21	13 32.66	−27 55.4	2.214	3.189	5.3	20.3
5 1	13 24.17	−27 22.9	2.232	3.196	6.3	20.4
5 11	13 16.94	−26 41.5	2.277	3.204	8.5	20.5
5 21	13 11.53	−25 57.0	2.347	3.212	11.0	20.7

189571 2000 SX_{317} 4 15.9 195°.07 10°.7/25.5 18

3 12	14 9.61	−40 33.9	2.198	2.861	17.0	20.2
3 22	14 3.48	−41 56.8	2.106	2.860	15.3	20.0
4 1	13 54.45	−42 56.8	2.033	2.858	13.4	19.9
4 11	13 43.21	−43 28.2	1.981	2.856	11.8	19.8
4 21	13 30.92	−43 28.1	1.952	2.854	10.8	19.7
5 1	13 19.00	−42 57.2	1.947	2.851	10.8	19.7
5 11	13 8.79	−42 1.7	1.967	2.849	11.9	19.8
5 21	13 1.24	−40 50.1	2.008	2.845	13.7	19.9

499087 2009 FR_{18} 4 15.9 6°.50 1°.0/15.3 17

3 12	13 56.83	−11 0.5	1.098	1.970	18.7	20.6
3 22	13 54.35	−10 25.1	1.037	1.970	14.1	20.4
4 1	13 48.84	− 9 32.1	0.994	1.971	8.7	20.1
4 11	13 41.27	− 8 28.1	0.973	1.973	2.8	19.7
4 21	13 33.00	− 7 22.1	0.976	1.977	3.6	19.8
5 1	13 25.56	− 6 24.1	1.001	1.982	9.4	20.1
5 11	13 20.23	− 5 42.8	1.047	1.988	14.7	20.4
5 21	13 17.76	− 5 22.7	1.112	1.995	19.1	20.7

222605 2001 XY_{28} 4 15.9 195°.46 6°.6/22.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 5.95	−33 8.5	2.595	3.301	13.7	20.6
3 22	13 59.92	−33 40.3	2.495	3.298	11.8	20.4
4 1	13 51.80	−33 53.2	2.415	3.295	9.6	20.2
4 11	13 42.22	−33 44.9	2.360	3.290	7.7	20.1
4 21	13 32.01	−33 15.3	2.332	3.285	6.6	20.0
5 1	13 22.17	−32 27.1	2.331	3.279	7.1	20.0
5 11	13 13.59	−31 25.8	2.358	3.272	8.9	20.1
5 21	13 6.93	−30 17.9	2.410	3.264	11.1	20.3

396663 2002 PH_{25} 4 15.9 182°.70 1°.0/15.2 18

3 12	14 5.11	−10 44.5	1.649	2.484	15.3	21.9
3 22	13 59.70	−10 1.4	1.571	2.485	11.5	21.7
4 1	13 51.79	− 9 5.0	1.516	2.486	7.1	21.4
4 11	13 42.22	− 8 0.0	1.486	2.485	2.3	21.1
4 21	13 32.05	− 6 53.1	1.485	2.484	3.1	21.1
5 1	13 22.51	− 5 51.9	1.511	2.483	7.9	21.4
5 11	13 14.66	− 5 3.1	1.562	2.480	12.3	21.7
5 21	13 9.18	− 4 30.9	1.634	2.477	16.0	21.9

518949 2010 HC_{7} 4 15.9 304°.01 1°.6/14.5 16

3 12	13 58.33	− 7 37.4	2.026	2.869	12.5	21.5
3 22	13 54.37	− 7 5.6	1.929	2.848	9.4	21.2
4 1	13 48.42	− 6 25.3	1.855	2.827	5.8	21.0
4 11	13 41.08	− 5 40.5	1.808	2.806	2.2	20.7
4 21	13 33.14	− 4 56.1	1.789	2.786	3.2	20.7
5 1	13 25.50	− 4 17.5	1.797	2.765	7.1	20.9
5 11	13 19.04	− 3 49.5	1.830	2.745	10.9	21.1
5 21	13 14.38	− 3 35.2	1.886	2.725	14.3	21.3

132062 2002 CR_{144} 4 15.9 311°.72 1°.8/14.6 18

3 12	13 59.75	− 9 28.1	1.370	2.227	16.5	19.9
3 22	13 56.16	− 8 39.8	1.292	2.219	12.4	19.6
4 1	13 49.84	− 7 36.6	1.236	2.211	7.6	19.3
4 11	13 41.61	− 6 24.7	1.204	2.203	2.7	19.0
4 21	13 32.63	− 5 12.4	1.197	2.195	4.0	19.1
5 1	13 24.26	− 4 9.0	1.215	2.188	9.2	19.3
5 11	13 17.69	− 3 22.2	1.256	2.181	14.0	19.6
5 21	13 13.69	− 2 56.3	1.316	2.175	18.2	19.8

267471 2002 FJ_{22} 4 15.9 9°.48 5°.7/12.6 18

3 12	14 3.95	+ 3 4.3	1.475	2.335	15.4	19.1
3 22	13 58.92	+ 3 24.8	1.412	2.336	11.8	18.9
4 1	13 51.33	+ 3 42.4	1.371	2.338	8.1	18.7
4 11	13 42.05	+ 3 50.6	1.355	2.341	5.7	18.6
4 21	13 32.25	+ 3 44.2	1.364	2.345	7.1	18.6
5 1	13 23.21	+ 3 19.9	1.398	2.349	10.6	18.9
5 11	13 15.98	+ 2 37.0	1.456	2.354	14.3	19.1
5 21	13 11.23	+ 1 37.3	1.533	2.360	17.6	19.3

246554 2008 SC_{99} 4 15.9 146°.13 1°.2/14.8 17

3 12	14 2.34	− 7 28.7	2.502	3.327	11.0	21.4
3 22	13 56.75	− 7 6.3	2.427	3.337	8.2	21.2
4 1	13 49.58	− 6 38.3	2.378	3.347	5.0	21.0
4 11	13 41.40	− 6 7.8	2.358	3.356	1.8	20.8
4 21	13 32.92	− 5 38.2	2.367	3.365	2.5	20.9
5 1	13 24.88	− 5 13.1	2.406	3.373	5.7	21.1
5 11	13 17.96	− 4 55.8	2.473	3.380	8.8	21.3
5 21	13 12.61	− 4 48.0	2.563	3.387	11.4	21.5

507517 2012 VM_{52} 4 15.9 225°.43 0°.2/15.9 17

3 12	13 59.93	−11 27.6	2.357	3.180	11.7	22.3
3 22	13 55.22	−11 5.7	2.266	3.174	8.8	22.1
4 1	13 48.77	−10 34.6	2.200	3.167	5.5	21.9
4 11	13 41.17	− 9 57.0	2.162	3.161	1.8	21.6
4 21	13 33.12	− 9 16.6	2.153	3.154	1.9	21.6
5 1	13 25.43	− 8 37.8	2.173	3.147	5.6	21.8
5 11	13 18.84	− 8 4.8	2.219	3.139	9.0	22.0
5 21	13 13.86	− 7 41.0	2.290	3.132	12.0	22.2

209960 2006 GC_{28} 4 16.0 208°.88 1°.2/14.7 18

3 12	13 59.45	− 8 58.1	2.257	3.090	11.8	21.0
3 22	13 54.87	− 8 17.0	2.172	3.086	8.8	20.8
4 1	13 48.56	− 7 27.3	2.112	3.082	5.4	20.6
4 11	13 41.09	− 6 32.8	2.080	3.078	1.9	20.4
4 21	13 33.21	− 5 38.4	2.076	3.074	2.7	20.4
5 1	13 25.73	− 4 49.2	2.101	3.069	6.3	20.6
5 11	13 19.38	− 4 9.6	2.152	3.064	9.7	20.8
5 21	13 14.68	− 3 42.7	2.227	3.058	12.7	21.0

362696 2011 UO_{151} 4 16.0 150°.09 2°.1/14.2 17

3 12	14 2.24	− 8 52.0	1.654	2.498	14.8	21.1
3 22	13 57.43	− 7 48.1	1.584	2.504	11.0	20.9
4 1	13 50.31	− 6 32.1	1.537	2.509	6.7	20.6
4 11	13 41.70	− 5 10.5	1.516	2.514	2.6	20.4
4 21	13 32.63	− 3 51.1	1.523	2.519	3.9	20.5
5 1	13 24.22	− 2 41.8	1.557	2.523	8.3	20.7
5 11	13 17.42	− 1 48.9	1.616	2.527	12.4	21.0
5 21	13 12.85	− 1 15.6	1.696	2.531	15.9	21.2

389540 2010 KH_{66} 4 16.0 256.°04 5.°2/ 8.2 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	13 56.52	+ 4 19.7	2.675	3.522	9.7	21.0
3 22	13 52.49	+ 6 4.9	2.591	3.505	7.5	20.8
4 1	13 47.01	+ 7 51.7	2.533	3.488	5.7	20.7
4 11	13 40.56	+ 9 33.5	2.506	3.470	5.3	20.6
4 21	13 33.73	+11 3.9	2.507	3.452	6.7	20.7
5 1	13 27.16	+12 17.6	2.537	3.434	8.9	20.8
5 11	13 21.47	+13 11.4	2.591	3.415	11.3	20.9
5 21	13 17.12	+13 44.5	2.666	3.396	13.4	21.1

63211 2001 AU_{13} 4 16.0 254.°11 2.°0/14.0 18

3 12	13 58.79	− 7 37.4	1.923	2.768	13.0	19.3
3 22	13 54.63	− 6 43.5	1.846	2.766	9.7	19.1
4 1	13 48.50	− 5 40.3	1.792	2.765	5.9	18.8
4 11	13 41.09	− 4 33.1	1.765	2.763	2.4	18.6
4 21	13 33.23	− 3 28.1	1.766	2.761	3.6	18.7
5 1	13 25.85	− 2 31.8	1.794	2.759	7.5	18.9
5 11	13 19.79	− 1 49.1	1.848	2.757	11.2	19.1
5 21	13 15.60	− 1 22.9	1.923	2.756	14.4	19.3

32565 2001 QC_{69} 4 16.0 132.°23 1.°2/14.7 18

3 12	14 0.42	−11 1.9	2.013	2.845	13.0	18.3
3 22	13 55.66	− 9 52.1	1.943	2.857	9.7	18.1
4 1	13 49.03	− 8 30.3	1.897	2.868	5.9	17.8
4 11	13 41.23	− 7 2.0	1.879	2.878	2.0	17.6
4 21	13 33.12	− 5 34.0	1.891	2.888	2.9	17.7
5 1	13 25.58	− 4 13.4	1.931	2.898	6.8	17.9
5 11	13 19.38	− 3 6.1	1.997	2.907	10.4	18.2
5 21	13 15.01	− 2 15.6	2.086	2.916	13.5	18.4

334792 2003 SG_{174} 4 16.0 218.°31 0.°3/15.7 18

3 12	13 59.32	−12 15.6	2.152	2.979	12.5	21.6
3 22	13 54.90	−11 36.8	2.065	2.975	9.4	21.4
4 1	13 48.63	−10 46.4	2.003	2.970	5.8	21.1
4 11	13 41.13	− 9 47.9	1.967	2.966	1.9	20.9
4 21	13 33.19	− 8 46.2	1.960	2.961	2.2	20.9
5 1	13 25.66	− 7 46.9	1.981	2.955	6.1	21.1
5 11	13 19.32	− 6 55.6	2.029	2.950	9.7	21.3
5 21	13 14.73	− 6 16.2	2.101	2.944	12.9	21.5

501139 2013 TX_{44} 4 16.0 139.°96 0.°6/16.6 17

3 12	14 0.26	−14 39.4	1.991	2.813	13.5	21.8
3 22	13 55.69	−14 6.3	1.912	2.817	10.3	21.6
4 1	13 49.13	−13 19.4	1.857	2.822	6.5	21.4
4 11	13 41.30	−12 22.0	1.829	2.826	2.4	21.1
4 21	13 33.05	−11 19.1	1.829	2.830	2.0	21.1
5 1	13 25.31	−10 16.8	1.856	2.834	6.1	21.4
5 11	13 18.92	− 9 21.3	1.911	2.838	9.9	21.6
5 21	13 14.43	− 8 37.1	1.988	2.841	13.2	21.8

226941 2004 TQ_{329} 4 16.0 354.°35 0.°7/15.4 17

3 12	13 59.85	−10 42.5	1.688	2.531	14.6	20.7
3 22	13 55.71	−10 10.9	1.612	2.530	11.0	20.4
4 1	13 49.31	− 9 27.1	1.558	2.529	6.8	20.2
4 11	13 41.39	− 8 35.6	1.529	2.528	2.2	19.9
4 21	13 32.94	− 7 42.2	1.528	2.528	2.8	19.9
5 1	13 25.05	− 6 53.3	1.553	2.528	7.3	20.2
5 11	13 18.67	− 6 15.0	1.602	2.528	11.5	20.4
5 21	13 14.44	− 5 51.2	1.674	2.528	15.2	20.7

389964 2012 TG_{200} 4 16.0 103.°24 0.°9/16.9 17

3 12	14 1.71	−14 16.9	2.431	3.241	11.8	21.7
3 22	13 56.36	−14 12.3	2.359	3.257	8.9	21.5
4 1	13 49.36	−13 57.9	2.312	3.273	5.7	21.4
4 11	13 41.34	−13 35.7	2.292	3.288	2.3	21.1
4 21	13 33.03	−13 8.4	2.302	3.304	1.7	21.1
5 1	13 25.19	−12 39.8	2.341	3.319	5.0	21.4
5 11	13 18.51	−12 13.9	2.408	3.334	8.2	21.6
5 21	13 13.45	−11 53.9	2.499	3.348	10.9	21.8

333231 2012 HF_{48} 4 16.0 300.°82 4.°2/12.4 17

3 12	13 58.37	− 3 53.3	1.593	2.454	14.4	20.1
3 22	13 54.91	− 2 42.2	1.501	2.429	10.9	19.8
4 1	13 49.02	− 1 20.9	1.432	2.405	7.0	19.5
4 11	13 41.37	+ 0 3.1	1.388	2.381	4.2	19.3
4 21	13 32.93	+ 1 21.1	1.370	2.357	6.1	19.3
5 1	13 24.84	+ 2 24.3	1.378	2.333	10.3	19.5
5 11	13 18.22	+ 3 6.0	1.408	2.309	14.5	19.7
5 21	13 13.84	+ 3 23.4	1.458	2.286	18.4	19.9

300164 2006 VE_{140} 4 16.0 166.°46 0.°2/15.8 17

3 12	13 58.35	−11 34.3	2.896	3.713	9.9	22.5
3 22	13 53.67	−11 5.6	2.812	3.717	7.4	22.3
4 1	13 47.65	−10 29.2	2.754	3.720	4.6	22.2
4 11	13 40.77	− 9 47.6	2.725	3.723	1.5	21.9
4 21	13 33.61	− 9 4.0	2.726	3.726	1.6	21.9
5 1	13 26.79	− 8 22.2	2.756	3.729	4.7	22.2
5 11	13 20.86	− 7 45.7	2.815	3.731	7.5	22.3
5 21	13 16.23	− 7 17.1	2.898	3.732	10.0	22.5

292349 2006 SM_{211} 4 16.0 234.°03 3.°5/11.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	13 58.09	− 0 56.7	2.442	3.286	10.6	20.8
3 22	13 53.74	− 0 0.4	2.360	3.279	7.9	20.6
4 1	13 47.81	+ 0 58.9	2.304	3.272	5.2	20.4
4 11	13 40.86	+ 1 56.1	2.276	3.264	3.5	20.3
4 21	13 33.53	+ 2 46.2	2.277	3.256	4.8	20.4
5 1	13 26.55	+ 3 24.9	2.306	3.248	7.5	20.5
5 11	13 20.58	+ 3 49.2	2.360	3.239	10.3	20.7
5 21	13 16.10	+ 3 57.7	2.437	3.231	12.8	20.8

501623 2014 SD_{156} 4 16.0 323.°65 2.°3/17.3 17

3 12	14 3.35	−14 50.2	1.297	2.140	18.2	21.0
3 22	13 59.27	−15 13.9	1.216	2.129	14.2	20.7
4 1	13 52.03	−15 22.2	1.154	2.120	9.4	20.4
4 11	13 42.47	−15 15.9	1.115	2.111	4.3	20.0
4 21	13 31.87	−14 57.6	1.101	2.102	3.1	19.9
5 1	13 21.81	−14 33.1	1.111	2.094	8.2	20.2
5 11	13 13.78	−14 10.0	1.143	2.086	13.4	20.5
5 21	13 8.70	−13 54.8	1.196	2.080	18.0	20.7

291681 2006 HT_{92} 4 16.0 249.°20 2.°7/13.8 17

3 12	14 3.06	− 5 53.5	1.697	2.543	14.4	21.3
3 22	13 58.24	− 5 8.4	1.609	2.530	10.8	21.0
4 1	13 51.00	− 4 14.3	1.544	2.516	6.7	20.8
4 11	13 42.03	− 3 16.7	1.505	2.502	3.1	20.5
4 21	13 32.34	− 2 22.4	1.493	2.487	4.5	20.5
5 1	13 23.10	− 1 38.2	1.509	2.472	8.8	20.8
5 11	13 15.38	− 1 9.6	1.548	2.457	13.0	21.0
5 21	13 9.91	− 0 59.3	1.609	2.441	16.7	21.2

288122 2003 WY_{68} 4 16.0 146.°64 0.°1/15.9 16

3 12	14 3.55	−12 38.9	1.901	2.726	14.0	22.1
3 22	13 58.19	−12 7.3	1.827	2.735	10.6	21.9
4 1	13 50.70	−11 23.3	1.777	2.743	6.6	21.6
4 11	13 41.86	−10 30.6	1.753	2.751	2.2	21.4
4 21	13 32.59	− 9 34.2	1.757	2.759	2.2	21.4
5 1	13 23.92	− 8 40.2	1.790	2.765	6.5	21.7
5 11	13 16.72	− 7 54.5	1.849	2.771	10.4	21.9
5 21	13 11.58	− 7 21.0	1.931	2.777	13.8	22.1

389180 2009 BP_{147} 4 16.0 61.°43 4.°2/11.6 17

3 12	13 57.68	− 1 31.8	1.966	2.821	12.4	21.0
3 22	13 53.59	− 0 12.0	1.913	2.837	9.2	20.8
4 1	13 47.73	+ 1 11.0	1.884	2.853	6.0	20.6
4 11	13 40.82	+ 2 30.2	1.882	2.869	4.2	20.5
4 21	13 33.65	+ 3 38.8	1.908	2.886	5.7	20.7
5 1	13 27.06	+ 4 31.3	1.961	2.902	8.6	20.9
5 11	13 21.75	+ 5 4.6	2.038	2.919	11.6	21.1
5 21	13 18.19	+ 5 18.2	2.136	2.935	14.2	21.3

189600 2000 WE_{139} 4 16.0 153.°54 3.°9/20.3 18

3 12	14 0.42	−25 18.4	2.126	2.901	14.4	20.0
3 22	13 55.84	−24 57.6	2.040	2.905	11.6	19.8
4 1	13 49.26	−24 16.2	1.975	2.909	8.5	19.6
4 11	13 41.38	−23 15.2	1.936	2.913	5.4	19.4
4 21	13 33.07	−21 58.1	1.924	2.916	3.9	19.3
5 1	13 25.27	−20 31.0	1.941	2.919	5.8	19.4
5 11	13 18.84	−19 1.8	1.985	2.922	9.0	19.6
5 21	13 14.32	−17 37.6	2.054	2.925	12.1	19.8

267038 1997 YM_{2} 4 16.0 93.°44 3.°6/12.7 18

3 12	14 4.92	− 1 32.0	2.026	2.865	12.7	21.7
3 22	13 58.76	− 0 40.6	1.980	2.897	9.4	21.5
4 1	13 50.80	+ 0 12.7	1.960	2.928	6.0	21.4
4 11	13 41.82	+ 1 2.1	1.968	2.958	3.7	21.3
4 21	13 32.71	+ 1 42.6	2.004	2.987	4.9	21.4
5 1	13 24.34	+ 2 9.9	2.069	3.016	7.9	21.6
5 11	13 17.43	+ 2 22.1	2.159	3.043	10.9	21.9
5 21	13 12.42	+ 2 18.7	2.271	3.071	13.5	22.1

141290 2001 YT_{74} 4 16.0 183.°97 1.°8/13.8 18

3 12	13 59.35	− 4 53.5	2.834	3.665	9.7	20.9
3 22	13 54.44	− 4 22.2	2.752	3.665	7.2	20.7
4 1	13 48.15	− 3 47.0	2.696	3.665	4.4	20.6
4 11	13 40.97	− 3 11.1	2.668	3.664	2.1	20.4
4 21	13 33.50	− 2 38.0	2.671	3.663	2.9	20.5
5 1	13 26.35	− 2 11.0	2.703	3.662	5.7	20.6
5 11	13 20.11	− 1 52.7	2.762	3.660	8.4	20.8
5 21	13 15.20	− 1 44.8	2.846	3.657	10.8	21.0

98435 2000 UE_{41} 4 16.0 140.°73 0.°7/16.6 18

3 12	14 4.67	−14 30.0	1.861	2.679	14.5	20.1
3 22	13 59.06	−14 4.5	1.788	2.691	11.0	19.9
4 1	13 51.27	−13 25.0	1.738	2.702	7.0	19.7
4 11	13 42.06	−12 34.7	1.715	2.712	2.6	19.4
4 21	13 32.44	−11 38.5	1.720	2.722	2.1	19.4
5 1	13 23.44	−10 42.6	1.754	2.731	6.4	19.7
5 11	13 16.01	− 9 53.3	1.813	2.739	10.4	19.9
5 21	13 10.70	− 9 15.2	1.896	2.747	13.8	20.2

353531 2011 SY_{143} 4 16.0 162°.65 0°.6/16.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 2.20	−12 28.4	2.634	3.445	10.9	21.1
3 22	13 56.72	−12 34.8	2.548	3.447	8.3	20.9
4 1	13 49.64	−12 33.6	2.488	3.450	5.3	20.7
4 11	13 41.50	−12 26.3	2.455	3.452	2.0	20.5
4 21	13 32.98	−12 15.1	2.452	3.454	1.6	20.4
5 1	13 24.81	−12 2.8	2.479	3.456	4.9	20.7
5 11	13 17.67	−11 52.5	2.535	3.457	8.0	20.9
5 21	13 12.06	−11 47.0	2.615	3.459	10.7	21.1

405467 2004 VP_1 4 16.0 172°.38 0°.2/15.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 7.16	−10 53.5	2.071	2.889	13.3	22.1
3 22	14 0.79	−10 39.0	1.989	2.893	10.0	21.8
4 1	13 52.30	−10 15.1	1.932	2.897	6.2	21.6
4 11	13 42.43	− 9 44.4	1.902	2.900	2.1	21.4
4 21	13 32.06	− 9 10.9	1.902	2.902	2.2	21.4
5 1	13 22.23	− 8 39.2	1.931	2.904	6.3	21.6
5 11	13 13.80	− 8 13.8	1.987	2.904	10.1	21.9
5 21	13 7.40	− 7 58.1	2.067	2.903	13.4	22.1

389788 2011 UN_{72} 4 16.0 296°.23 3°.5/12.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 2.33	+ 0 47.4	2.344	3.183	11.2	20.7
3 22	13 56.95	+ 1 2.6	2.264	3.179	8.4	20.5
4 1	13 49.83	+ 1 17.6	2.209	3.174	5.5	20.3
4 11	13 41.57	+ 1 28.4	2.181	3.170	3.6	20.1
4 21	13 32.91	+ 1 31.7	2.183	3.166	4.6	20.2
5 1	13 24.66	+ 1 24.7	2.213	3.161	7.4	20.4
5 11	13 17.54	+ 1 5.7	2.269	3.157	10.3	20.5
5 21	13 12.08	+ 0 34.7	2.348	3.153	12.9	20.7

158446 2002 CE_{105} 4 16.0 254°.63 1°.7/14.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 0.02	− 8 3.3	1.922	2.764	13.2	20.0
3 22	13 55.63	− 7 22.5	1.839	2.758	9.8	19.8
4 1	13 49.20	− 6 32.4	1.780	2.752	6.0	19.5
4 11	13 41.39	− 5 37.8	1.747	2.745	2.3	19.3
4 21	13 33.07	− 4 44.0	1.742	2.739	3.3	19.3
5 1	13 25.20	− 3 57.2	1.765	2.733	7.3	19.5
5 11	13 18.65	− 3 22.3	1.812	2.726	11.1	19.8
5 21	13 14.02	− 3 2.2	1.882	2.719	14.4	20.0

258823 2002 OF_2 4 16.0 252°.45 2°.7/18.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 2.26	−20 25.9	1.946	2.745	14.7	21.1
3 22	13 57.59	−20 6.8	1.840	2.726	11.7	20.8
4 1	13 50.60	−19 28.5	1.756	2.707	8.1	20.6
4 11	13 41.93	−18 32.0	1.698	2.687	4.3	20.3
4 21	13 32.50	−17 20.6	1.667	2.666	3.0	20.1
5 1	13 23.41	−16 0.8	1.665	2.645	6.4	20.3
5 11	13 15.68	−14 40.6	1.689	2.623	10.5	20.5
5 21	13 10.06	−13 27.6	1.736	2.601	14.2	20.7

346427 2008 SL_{224} 4 16.0 172°.01 0°.4/16.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 0.70	−13 41.6	2.231	3.049	12.4	21.7
3 22	13 55.86	−13 17.6	2.148	3.052	9.4	21.5
4 1	13 49.21	−12 42.3	2.089	3.053	6.0	21.3
4 11	13 41.37	−11 58.4	2.057	3.055	2.2	21.0
4 21	13 33.13	−11 9.9	2.054	3.056	1.8	21.0
5 1	13 25.32	−10 21.6	2.080	3.056	5.6	21.3
5 11	13 18.71	− 9 38.7	2.132	3.057	9.1	21.5
5 21	13 13.83	− 9 4.9	2.209	3.057	12.2	21.7

393271 2013 WN_{65} 4 16.0 165°.13 3°.3/12.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 0.47	− 2 38.4	2.141	2.985	11.9	21.3
3 22	13 55.66	− 1 48.7	2.068	2.988	8.9	21.2
4 1	13 49.06	− 0 55.1	2.021	2.990	5.6	21.0
4 11	13 41.31	− 0 2.8	2.000	2.992	3.3	20.8
4 21	13 33.20	+ 0 42.9	2.008	2.994	4.6	20.9
5 1	13 25.56	+ 1 17.3	2.044	2.996	7.7	21.1
5 11	13 19.14	+ 1 37.2	2.106	2.997	10.9	21.3
5 21	13 14.44	+ 1 41.3	2.189	2.998	13.6	21.5

489339 2006 UH_{14} 4 16.0 154°.17 2°.3/13.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 0.41	− 3 24.6	2.567	3.403	10.4	21.8
3 22	13 55.34	− 2 59.1	2.492	3.407	7.8	21.6
4 1	13 48.75	− 2 30.8	2.441	3.411	4.8	21.4
4 11	13 41.19	− 2 3.0	2.420	3.414	2.5	21.3
4 21	13 33.33	− 1 39.3	2.427	3.418	3.4	21.3
5 1	13 25.86	− 1 22.9	2.464	3.421	6.2	21.5
5 11	13 19.42	− 1 16.4	2.527	3.424	9.1	21.7
5 21	13 14.45	− 1 20.7	2.614	3.426	11.6	21.9

52102 2616 P–L 4 16.0 129°.15 0°.3/15.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 3.39	−10 58.8	1.627	2.465	15.3	19.7
3 22	13 58.49	−10 45.0	1.551	2.466	11.6	19.4
4 1	13 51.11	−10 19.6	1.497	2.467	7.2	19.2
4 11	13 42.08	− 9 46.1	1.469	2.468	2.4	18.9
4 21	13 32.44	− 9 9.3	1.468	2.469	2.6	18.9
5 1	13 23.41	− 8 35.1	1.493	2.470	7.4	19.2
5 11	13 16.04	− 8 9.3	1.543	2.471	11.7	19.4
5 21	13 11.01	− 7 55.7	1.615	2.472	15.5	19.7

73778 1994 PP_{37} 4 16.0 319°.32 1°.0/16.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	13 59.67	−14 14.1	1.396	2.241	17.0	18.8
3 22	13 56.25	−14 2.9	1.310	2.227	13.1	18.5
4 1	13 50.04	−13 34.6	1.245	2.214	8.5	18.2
4 11	13 41.80	−12 51.7	1.203	2.201	3.3	17.8
4 21	13 32.67	−11 59.5	1.186	2.189	2.6	17.8
5 1	13 24.03	−11 5.7	1.194	2.177	7.9	18.0
5 11	13 17.17	−10 18.7	1.226	2.166	13.0	18.3
5 21	13 12.94	− 9 44.9	1.277	2.155	17.4	18.5

59911 1999 RD_{156} 4 16.0 259°.52 1°.4/17.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	13 58.41	−16 47.5	2.534	3.339	11.5	19.5
3 22	13 54.09	−16 30.9	2.433	3.326	8.9	19.3
4 1	13 48.12	−16 2.4	2.356	3.313	5.9	19.1
4 11	13 41.03	−15 23.4	2.307	3.300	2.7	18.9
4 21	13 33.48	−14 37.1	2.286	3.287	1.9	18.8
5 1	13 26.22	−13 47.7	2.294	3.274	5.0	19.0
5 11	13 19.95	−12 59.9	2.330	3.260	8.2	19.2
5 21	13 15.19	−12 17.9	2.391	3.246	11.1	19.3

87780 2000 SM_{111} 4 16.0 226°.90 0°.3/15.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	13 59.87	−10 23.3	2.757	3.576	10.3	20.2
3 22	13 54.98	−10 6.4	2.660	3.566	7.7	20.0
4 1	13 48.58	− 9 42.3	2.590	3.556	4.8	19.8
4 11	13 41.17	− 9 13.5	2.547	3.546	1.6	19.6
4 21	13 33.36	− 8 42.8	2.535	3.536	1.8	19.6
5 1	13 25.83	− 8 13.6	2.552	3.525	5.0	19.8
5 11	13 19.21	− 7 49.5	2.597	3.513	8.1	20.0
5 21	13 13.99	− 7 33.0	2.667	3.501	10.8	20.1

98037 2000 RE_{20} 4 16.0 262°.24 1°.7/19.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	13 52.62	−20 47.0	4.556	5.330	7.3	20.0
3 22	13 49.10	−20 40.9	4.456	5.325	5.7	19.8
4 1	13 44.73	−20 27.1	4.381	5.320	4.0	19.7
4 11	13 39.82	−20 6.4	4.334	5.316	2.4	19.6
4 21	13 34.70	−19 40.1	4.317	5.311	1.8	19.5
5 1	13 29.76	−19 10.1	4.330	5.306	3.0	19.6
5 11	13 25.33	−18 38.7	4.371	5.302	4.7	19.7
5 21	13 21.70	−18 8.2	4.440	5.297	6.4	19.8

76181 2000 EX_{36} 4 16.0 145°.84 0°.7/15.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 0.42	− 9 42.1	2.216	3.046	12.1	19.2
3 22	13 55.62	− 9 16.6	2.138	3.050	9.0	19.0
4 1	13 49.04	− 8 42.8	2.084	3.053	5.5	18.8
4 11	13 41.33	− 8 4.1	2.058	3.057	1.8	18.5
4 21	13 33.23	− 7 24.5	2.060	3.060	2.3	18.6
5 1	13 25.57	− 6 48.6	2.091	3.063	6.0	18.8
5 11	13 19.11	− 6 20.6	2.149	3.066	9.4	19.0
5 21	13 14.35	− 6 3.1	2.230	3.069	12.4	19.2

192825 1999 VT_{91} 4 16.0 256°.50 7°.3/ 8.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 1.93	+10 4.6	2.171	3.013	11.8	20.0
3 22	13 56.89	+11 14.4	2.091	2.995	9.6	19.8
4 1	13 49.93	+12 19.4	2.036	2.977	7.8	19.7
4 11	13 41.66	+13 12.6	2.007	2.959	7.4	19.6
4 21	13 32.87	+13 48.0	2.005	2.940	8.7	19.6
5 1	13 24.47	+14 1.3	2.029	2.921	11.0	19.8
5 11	13 17.27	+13 51.2	2.075	2.901	13.6	19.9
5 21	13 11.85	+13 19.0	2.142	2.881	16.0	20.0

469747 2005 PE_4 4 16.0 213°.32 7°.6/ 3.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 0.22	+23 2.8	3.384	4.180	9.1	22.0
3 22	13 54.96	+24 9.7	3.326	4.171	8.1	21.9
4 1	13 48.42	+25 6.2	3.293	4.161	7.7	21.8
4 11	13 41.08	+25 47.5	3.286	4.150	7.9	21.8
4 21	13 33.48	+26 10.5	3.305	4.139	8.7	21.9
5 1	13 26.20	+26 13.4	3.347	4.128	9.8	21.9
5 11	13 19.77	+25 56.5	3.412	4.115	11.1	22.0
5 21	13 14.58	+25 21.4	3.494	4.103	12.3	22.1

468744 2011 AJ_4 4 16.0 30°.50 2°.9/13.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	13 58.60	− 6 52.6	1.246	2.115	17.1	20.2
3 22	13 55.14	− 6 0.3	1.199	2.131	12.6	20.0
4 1	13 49.06	− 4 58.0	1.172	2.148	7.7	19.8
4 11	13 41.35	− 3 53.6	1.169	2.167	3.3	19.5
4 21	13 33.27	− 2 55.7	1.190	2.186	4.8	19.7
5 1	13 26.11	− 2 12.2	1.236	2.206	9.4	20.0
5 11	13 20.88	− 1 48.0	1.303	2.227	13.8	20.3
5 21	13 18.15	− 1 44.5	1.390	2.249	17.5	20.6

425777 2011 CL_{47} 4 16.0 324°.96 0°.3/15.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	13 59.49	−11 55.7	1.636	2.478	15.1	21.4
3 22	13 55.60	−11 24.7	1.555	2.472	11.4	21.1
4 1	13 49.36	−10 39.9	1.497	2.467	7.1	20.9
4 11	13 41.51	− 9 45.4	1.463	2.462	2.4	20.5
4 21	13 33.04	− 8 46.9	1.456	2.457	2.6	20.5
5 1	13 25.10	− 7 51.7	1.475	2.453	7.4	20.8
5 11	13 18.71	− 7 6.4	1.519	2.449	11.8	21.1
5 21	13 14.52	− 6 35.7	1.585	2.445	15.6	21.3

143117 2002 XZ_{27} 4 16.0 57.°74 1.°8/17.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 1.45	−17 29.1	1.477	2.306	17.1	20.0
3 22	13 57.06	−17 3.3	1.419	2.325	13.1	19.8
4 1	13 50.17	−16 18.0	1.382	2.345	8.6	19.5
4 11	13 41.73	−15 17.0	1.369	2.364	3.8	19.3
4 21	13 32.91	−14 6.6	1.382	2.384	2.5	19.3
5 1	13 24.93	−12 55.2	1.422	2.404	6.9	19.6
5 11	13 18.79	−11 51.1	1.486	2.424	11.3	19.9
5 21	13 15.07	−11 0.2	1.571	2.444	15.0	20.2

231697 1998 MW_{23} 4 16.0 274.°88 1.°9/17.7 17

3 12	14 0.32	−17 21.0	1.964	2.778	14.0	20.9
3 22	13 55.97	−17 11.9	1.872	2.769	10.9	20.7
4 1	13 49.50	−16 47.7	1.803	2.761	7.3	20.4
4 11	13 41.55	−16 10.0	1.759	2.752	3.5	20.2
4 21	13 33.00	−15 22.3	1.743	2.743	2.4	20.1
5 1	13 24.85	−14 30.0	1.754	2.735	6.0	20.3
5 11	13 18.04	−13 39.4	1.791	2.726	9.9	20.5
5 21	13 13.20	−12 56.0	1.852	2.717	13.4	20.7

382124 2011 HO_{84} 4 16.0 359.°75 1.°5/14.8 17

3 12	14 1.06	− 7 34.8	1.825	2.668	13.7	20.7
3 22	13 56.47	− 7 10.8	1.748	2.667	10.2	20.5
4 1	13 49.75	− 6 38.9	1.695	2.667	6.3	20.3
4 11	13 41.61	− 6 3.3	1.668	2.667	2.3	20.0
4 21	13 32.97	− 5 28.9	1.669	2.667	3.2	20.1
5 1	13 24.86	− 5 0.9	1.697	2.667	7.3	20.3
5 11	13 18.16	− 4 43.5	1.750	2.668	11.2	20.5
5 21	13 13.50	− 4 39.3	1.824	2.668	14.6	20.8

497047 2003 SD_{287} 4 16.0 227.°56 0.°3/16.3 17

3 12	13 59.76	−13 40.0	2.133	2.955	12.8	22.2
3 22	13 55.30	−13 9.2	2.044	2.950	9.7	21.9
4 1	13 48.95	−12 26.0	1.979	2.944	6.1	21.7
4 11	13 41.34	−11 33.3	1.940	2.938	2.2	21.4
4 21	13 33.24	−10 35.8	1.931	2.932	1.9	21.4
5 1	13 25.55	− 9 38.8	1.949	2.926	5.9	21.6
5 11	13 19.07	− 8 48.1	1.995	2.920	9.6	21.9
5 21	13 14.37	− 8 7.9	2.063	2.913	12.9	22.1

259080 2002 VM_{26} 4 16.0 209.°95 0.°5/16.5 17

3 12	14 2.89	−13 57.6	2.180	2.995	12.8	21.7
3 22	13 57.64	−13 31.5	2.087	2.988	9.8	21.5
4 1	13 50.41	−12 53.0	2.017	2.980	6.2	21.3
4 11	13 41.84	−12 4.9	1.975	2.972	2.3	21.0
4 21	13 32.74	−11 11.0	1.962	2.963	1.9	21.0
5 1	13 24.03	−10 16.8	1.978	2.954	5.9	21.2
5 11	13 16.56	− 9 27.9	2.021	2.943	9.7	21.4
5 21	13 10.92	− 8 48.6	2.088	2.932	12.9	21.6

291731 2006 JP_{41} 4 16.0 1.°16 6.°9/ 9.7 17

3 12	13 59.36	+ 6 3.0	1.792	2.650	13.2	20.2
3 22	13 55.15	+ 7 15.0	1.731	2.650	10.3	20.0
4 1	13 48.89	+ 8 24.0	1.693	2.650	7.8	19.8
4 11	13 41.30	+ 9 22.1	1.680	2.650	6.9	19.8
4 21	13 33.31	+10 2.5	1.694	2.650	8.4	19.8
5 1	13 25.89	+10 20.6	1.732	2.650	11.1	20.0
5 11	13 19.88	+10 15.0	1.793	2.651	14.0	20.2
5 21	13 15.85	+ 9 46.9	1.873	2.652	16.7	20.4

249564 2238 $T\text{-}_3$ 4 16.0 183.°95 1.°3/17.3 16

3 12	14 3.58	−16 55.5	2.198	3.001	13.1	21.7
3 22	13 58.10	−16 28.5	2.109	3.002	10.1	21.5
4 1	13 50.65	−15 47.1	2.044	3.002	6.6	21.2
4 11	13 41.91	−14 53.5	2.006	3.001	2.9	21.0
4 21	13 32.70	−13 51.9	1.998	2.999	2.0	20.9
5 1	13 23.95	−12 47.7	2.019	2.997	5.7	21.2
5 11	13 16.48	−11 47.1	2.067	2.993	9.3	21.4
5 21	13 10.88	−10 55.1	2.140	2.989	12.5	21.6

87281 2000 PV_{12} 4 16.0 146.°52 6.°2/22.6 18

3 12	14 4.63	−31 24.5	2.362	3.088	14.4	19.1
3 22	13 58.98	−31 47.9	2.277	3.098	12.2	19.0
4 1	13 51.24	−31 51.2	2.212	3.107	9.7	18.8
4 11	13 42.12	−31 32.8	2.172	3.115	7.5	18.7
4 21	13 32.51	−30 53.7	2.159	3.123	6.3	18.6
5 1	13 23.39	−29 57.5	2.173	3.130	6.9	18.7
5 11	13 15.66	−28 50.5	2.214	3.137	8.9	18.8
5 21	13 9.92	−27 39.8	2.280	3.144	11.3	19.0

469971 2006 DM_{156} 4 16.0 323.°57 3.°9/12.8 16

3 12	13 55.69	− 5 0.2	1.466	2.334	15.0	21.3
3 22	13 53.13	− 3 55.1	1.374	2.306	11.3	21.0
4 1	13 48.07	− 2 38.1	1.304	2.279	7.2	20.7
4 11	13 41.16	− 1 16.5	1.257	2.253	4.0	20.4
4 21	13 33.40	+ 0 0.5	1.237	2.227	5.9	20.5
5 1	13 25.99	+ 1 3.5	1.240	2.202	10.4	20.6
5 11	13 20.10	+ 1 45.1	1.266	2.178	15.0	20.8
5 21	13 16.54	+ 2 1.9	1.310	2.155	19.1	21.0

175363 2005 QX_{114} 4 16.0 321.°79 0.°9/15.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	13 57.70	− 9 38.8	2.021	2.861	12.7	19.7
3 22	13 53.87	− 9 9.3	1.934	2.851	9.5	19.4
4 1	13 48.13	− 8 30.2	1.869	2.840	5.9	19.2
4 11	13 41.09	− 7 45.3	1.831	2.831	2.0	18.9
4 21	13 33.53	− 6 59.1	1.821	2.821	2.6	18.9
5 1	13 26.36	− 6 17.2	1.839	2.812	6.6	19.2
5 11	13 20.39	− 5 44.3	1.881	2.803	10.3	19.4
5 21	13 16.21	− 5 23.8	1.947	2.794	13.6	19.6

462549 2009 BS_{184} 4 16.0 115.°13 3.°1/18.8 18

3 12	14 5.96	−21 17.7	1.744	2.541	16.2	22.4
3 22	14 0.19	−21 1.6	1.677	2.561	12.8	22.2
4 1	13 52.03	−20 25.2	1.632	2.580	8.8	22.0
4 11	13 42.38	−19 30.3	1.612	2.599	4.8	21.8
4 21	13 32.34	−18 21.6	1.619	2.617	3.3	21.8
5 1	13 23.10	−17 6.5	1.655	2.635	6.4	22.0
5 11	13 15.62	−15 53.2	1.716	2.651	10.3	22.2
5 21	13 10.48	−14 48.7	1.801	2.667	13.7	22.5

131203 2001 DT_{29} 4 16.0 28.°17 4.°1/12.2 18

3 12	13 59.88	− 1 3.9	1.911	2.763	12.8	19.6
3 22	13 55.45	− 0 8.6	1.841	2.763	9.6	19.4
4 1	13 49.05	+ 0 49.9	1.794	2.764	6.3	19.2
4 11	13 41.38	+ 1 45.4	1.775	2.764	4.2	19.0
4 21	13 33.29	+ 2 31.7	1.783	2.764	5.5	19.1
5 1	13 25.72	+ 3 3.7	1.817	2.765	8.8	19.3
5 11	13 19.48	+ 3 18.3	1.876	2.765	12.1	19.5
5 21	13 15.12	+ 3 14.6	1.956	2.766	15.0	19.7

97058 1999 UA_{59} 4 16.0 58.°27 6.°0/21.9 18 R

3 12	14 0.62	−28 53.8	1.914	2.678	16.2	18.8
3 22	13 56.34	−29 3.6	1.833	2.683	13.5	18.6
4 1	13 49.77	−28 50.2	1.771	2.688	10.4	18.5
4 11	13 41.66	−28 12.8	1.732	2.693	7.5	18.3
4 21	13 33.01	−27 13.4	1.720	2.699	6.0	18.2
5 1	13 24.94	−25 57.7	1.733	2.705	7.1	18.3
5 11	13 18.40	−24 33.9	1.773	2.710	9.8	18.4
5 21	13 14.05	−23 10.4	1.836	2.716	12.9	18.6

522702 2016 LU_{59} 4 16.0 59.°55 3.°2/12.4 17

3 12	13 57.34	− 8 54.0	1.734	2.584	14.0	20.9
3 22	13 53.66	− 6 45.0	1.668	2.592	10.3	20.6
4 1	13 47.97	− 4 21.6	1.627	2.601	6.2	20.4
4 11	13 41.01	− 1 53.6	1.614	2.609	3.2	20.2
4 21	13 33.70	+ 0 27.8	1.630	2.618	5.1	20.4
5 1	13 27.00	+ 2 31.9	1.674	2.626	9.0	20.6
5 11	13 21.74	+ 4 11.5	1.744	2.635	12.7	20.9
5 21	13 18.42	+ 5 23.6	1.834	2.644	15.9	21.1

42364 2002 CS_{107} 4 16.0 291.°49 4.°0/12.9 17

3 12	14 0.50	− 4 36.4	1.445	2.306	15.6	18.8
3 22	13 56.76	− 3 34.9	1.359	2.287	11.8	18.5
4 1	13 50.33	− 2 22.7	1.294	2.268	7.5	18.2
4 11	13 41.94	− 1 7.4	1.254	2.249	4.1	17.9
4 21	13 32.69	+ 0 2.2	1.240	2.230	5.9	18.0
5 1	13 23.88	+ 0 56.9	1.250	2.211	10.5	18.2
5 11	13 16.74	+ 1 30.2	1.283	2.192	15.1	18.4
5 21	13 12.10	+ 1 39.3	1.335	2.174	19.2	18.6

82043 2000 SN_{238} 4 16.0 108.°12 2.°4/12.7 18

3 12	13 56.16	− 1 11.4	3.336	4.173	8.2	19.3
3 22	13 51.87	− 0 40.7	3.267	4.182	6.1	19.2
4 1	13 46.50	− 0 9.0	3.224	4.191	3.9	19.0
4 11	13 40.46	+ 0 20.9	3.210	4.200	2.4	18.9
4 21	13 34.23	+ 0 46.1	3.226	4.209	3.2	19.0
5 1	13 28.29	+ 1 4.2	3.271	4.218	5.3	19.1
5 11	13 23.11	+ 1 13.5	3.343	4.226	7.5	19.3
5 21	13 19.00	+ 1 13.0	3.439	4.235	9.4	19.4

265706 2005 UT_{201} 4 16.0 54.°28 1.°5/14.9 18

3 12	14 2.64	− 8 19.2	1.541	2.389	15.5	20.8
3 22	13 57.78	− 7 53.6	1.486	2.407	11.5	20.6
4 1	13 50.56	− 7 18.8	1.453	2.426	7.0	20.4
4 11	13 41.89	− 6 39.9	1.446	2.444	2.4	20.1
4 21	13 32.87	− 6 2.4	1.465	2.464	3.3	20.2
5 1	13 24.65	− 5 32.4	1.510	2.483	7.8	20.5
5 11	13 18.19	− 5 14.3	1.580	2.503	11.8	20.8
5 21	13 14.03	− 5 10.4	1.671	2.522	15.3	21.1

285117 1995 ST_8 4 16.0 310.°26 2.°6/17.7 17

3 12	14 3.60	−16 20.9	1.464	2.294	17.2	20.7
3 22	13 59.19	−16 40.6	1.379	2.285	13.5	20.5
4 1	13 51.89	−16 44.4	1.315	2.276	9.1	20.2
4 11	13 42.49	−16 32.9	1.274	2.268	4.4	19.9
4 21	13 32.17	−16 8.6	1.259	2.260	3.2	19.8
5 1	13 22.35	−15 37.1	1.269	2.252	7.6	20.0
5 11	13 14.36	−15 5.6	1.304	2.244	12.3	20.3
5 21	13 9.06	−14 40.7	1.359	2.237	16.6	20.5

2020	α_{2000}	δ_{2000}	Δ	r	β	V
271812 2004 TR_{117}			4 16.0 191°65		2°0/14.2 17	
	h m	° ′			°	m
3 12	14 1.91	− 6 1.4	2.163	2.998	12.1	21.4
3 22	13 56.81	− 5 28.4	2.082	2.997	9.0	21.2
4 1	13 49.85	− 4 49.4	2.026	2.996	5.6	21.0
4 11	13 41.66	− 4 8.4	1.997	2.994	2.4	20.7
4 21	13 33.05	− 3 30.0	1.997	2.992	3.4	20.8
5 1	13 24.87	− 2 58.8	2.026	2.989	6.9	21.0
5 11	13 17.92	− 2 38.5	2.081	2.987	10.3	21.2
5 21	13 12.73	− 2 31.1	2.159	2.983	13.3	21.4
287872 2003 SE_{305}			4 16.0 216°95		1°5/17.4 18	
3 12	14 2.89	−15 43.7	2.404	3.207	12.1	21.1
3 22	13 57.53	−15 45.2	2.308	3.200	9.4	20.9
4 1	13 50.32	−15 35.8	2.236	3.193	6.2	20.6
4 11	13 41.84	−15 16.7	2.191	3.185	2.8	20.4
4 21	13 32.85	−14 50.5	2.176	3.177	2.0	20.3
5 1	13 24.18	−14 20.6	2.190	3.168	5.3	20.5
5 11	13 16.63	−13 51.6	2.231	3.159	8.6	20.7
5 21	13 10.78	−13 27.3	2.297	3.149	11.7	20.9
434236 2003 SH_{330}			4 16.0 213°74		0°2/16.3 17	
3 12	14 0.36	−13 4.5	2.137	2.960	12.7	22.4
3 22	13 55.75	−12 39.2	2.050	2.957	9.6	22.1
4 1	13 49.24	−12 2.5	1.987	2.953	6.1	21.9
4 11	13 41.47	−11 17.1	1.951	2.949	2.2	21.6
4 21	13 33.23	−10 27.3	1.944	2.945	1.9	21.6
5 1	13 25.40	− 9 38.3	1.965	2.941	5.9	21.9
5 11	13 18.80	− 8 55.3	2.012	2.937	9.6	22.1
5 21	13 13.97	− 8 22.3	2.083	2.932	12.8	22.3
313774 2003 YM_{6}			4 16.0 146°28		3°1/18.5 16	
3 12	14 5.14	−19 40.2	1.828	2.629	15.4	21.3
3 22	13 59.66	−19 45.7	1.750	2.636	12.1	21.1
4 1	13 51.81	−19 34.1	1.693	2.643	8.4	20.8
4 11	13 42.37	−19 6.3	1.661	2.649	4.6	20.6
4 21	13 32.37	−18 25.2	1.657	2.655	3.3	20.5
5 1	13 22.95	−17 36.3	1.680	2.660	6.4	20.7
5 11	13 15.15	−16 46.5	1.730	2.665	10.2	21.0
5 21	13 9.60	−16 2.0	1.803	2.669	13.7	21.2
500969 2013 QK_{68}			4 16.0 266°28		0°4/16.4 17	
3 12	14 2.12	−13 29.0	1.804	2.632	14.5	22.1
3 22	13 57.59	−13 8.2	1.706	2.614	11.1	21.8
4 1	13 50.67	−12 33.3	1.630	2.596	7.1	21.6
4 11	13 42.05	−11 46.9	1.580	2.578	2.6	21.2
4 21	13 32.64	−10 53.6	1.557	2.559	2.3	21.2
5 1	13 23.59	− 9 59.7	1.562	2.540	7.0	21.4
5 11	13 15.95	− 9 12.0	1.592	2.521	11.4	21.6
5 21	13 10.47	− 8 35.7	1.645	2.501	15.3	21.8
461513 2003 SD_{34}			4 16.0 202°73		1°3/16.9 16	
3 12	14 5.78	−14 28.5	1.823	2.640	14.8	21.6
3 22	14 0.20	−14 28.7	1.736	2.637	11.4	21.4
4 1	13 52.21	−14 16.0	1.672	2.634	7.4	21.2
4 11	13 42.54	−13 52.0	1.634	2.630	3.1	20.9
4 21	13 32.20	−13 20.2	1.624	2.625	2.3	20.8
5 1	13 22.34	−12 45.4	1.641	2.620	6.6	21.1
5 11	13 14.03	−12 13.8	1.685	2.614	10.8	21.3
5 21	13 7.97	−11 50.0	1.752	2.608	14.5	21.5
498486 2008 CC_{128}			4 16.0 126°76		6°9/ 5.6 17	
3 12	13 57.98	+13 52.1	2.812	3.645	9.7	21.8
3 22	13 53.41	+15 28.3	2.769	3.659	8.1	21.7
4 1	13 47.51	+16 57.1	2.754	3.673	7.1	21.6
4 11	13 40.83	+18 12.5	2.766	3.687	7.1	21.7
4 21	13 33.93	+19 10.0	2.805	3.700	8.2	21.8
5 1	13 27.45	+19 46.8	2.870	3.712	9.7	21.9
5 11	13 21.93	+20 2.5	2.958	3.725	11.4	22.0
5 21	13 17.73	+19 58.4	3.064	3.737	12.8	22.1
295698 2008 TN_{171}			4 16.0 133°02		0°4/15.7 17	
3 12	14 0.83	−10 39.3	2.130	2.959	12.5	20.8
3 22	13 56.02	−10 16.5	2.052	2.963	9.4	20.6
4 1	13 49.37	− 9 44.5	1.999	2.967	5.8	20.4
4 11	13 41.51	− 9 6.5	1.973	2.971	1.9	20.2
4 21	13 33.25	− 8 26.7	1.975	2.975	2.2	20.2
5 1	13 25.46	− 7 49.8	2.005	2.979	6.1	20.5
5 11	13 18.92	− 7 20.2	2.062	2.983	9.6	20.7
5 21	13 14.15	− 7 1.0	2.143	2.987	12.7	20.9
191779 2004 TT_{91}			4 16.1 251°97		0°4/16.4 18	
3 12	13 59.91	−13 56.1	1.950	2.776	13.6	21.1
3 22	13 55.63	−13 23.8	1.861	2.769	10.4	20.8
4 1	13 49.28	−12 37.7	1.796	2.762	6.6	20.6
4 11	13 41.52	−11 41.0	1.756	2.754	2.4	20.3
4 21	13 33.22	−10 38.5	1.744	2.746	2.1	20.2
5 1	13 25.34	− 9 36.5	1.761	2.738	6.4	20.5
5 11	13 18.78	− 8 41.5	1.803	2.730	10.3	20.7
5 21	13 14.16	− 7 58.1	1.868	2.722	13.8	20.9

2020	α_{2000}	δ_{2000}	Δ	r	β	V
326307 1998 XE_{10}			4 16.1 209°29		3°5/12.7 17	
	h m	° ′			°	m
3 12	14 4.25	− 1 5.2	2.274	3.109	11.6	21.4
3 22	13 58.51	− 0 23.1	2.188	3.102	8.7	21.2
4 1	13 50.91	+ 0 21.9	2.128	3.094	5.7	20.9
4 11	13 42.05	+ 1 4.7	2.095	3.085	3.6	20.8
4 21	13 32.72	+ 1 40.6	2.092	3.075	4.8	20.9
5 1	13 23.79	+ 2 5.3	2.118	3.065	7.8	21.0
5 11	13 16.04	+ 2 15.8	2.170	3.053	10.9	21.2
5 21	13 10.04	+ 2 11.2	2.245	3.041	13.7	21.4
106355 2000 VS_{4}			4 16.1 125°83		0°5/15.6 18	
3 12	14 4.48	−11 44.7	1.803	2.632	14.5	20.4
3 22	13 58.94	−11 5.2	1.737	2.647	10.8	20.2
4 1	13 51.22	−10 13.4	1.694	2.662	6.7	20.0
4 11	13 42.14	− 9 13.7	1.678	2.677	2.2	19.7
4 21	13 32.69	− 8 12.2	1.690	2.690	2.5	19.8
5 1	13 23.93	− 7 15.2	1.730	2.703	6.9	20.1
5 11	13 16.76	− 6 28.7	1.796	2.716	10.8	20.3
5 21	13 11.73	− 5 56.1	1.885	2.728	14.2	20.6
401046 2011 TM_{9}			4 16.1 257°10		0°8/15.4 17	
3 12	14 2.93	−11 41.1	1.570	2.409	15.7	22.3
3 22	13 58.50	−10 55.6	1.475	2.391	12.0	22.1
4 1	13 51.39	− 9 53.6	1.402	2.373	7.5	21.8
4 11	13 42.33	− 8 39.5	1.355	2.354	2.5	21.4
4 21	13 32.39	− 7 20.3	1.334	2.335	3.1	21.4
5 1	13 22.85	− 6 4.8	1.340	2.315	8.4	21.6
5 11	13 14.93	− 5 1.7	1.371	2.294	13.3	21.9
5 21	13 9.47	− 4 16.8	1.422	2.273	17.5	22.1
119295 2001 SV_{9}			4 16.1 257°38		0°3/16.3 18	
3 12	14 1.58	−12 45.4	1.785	2.616	14.5	19.8
3 22	13 57.04	−12 26.3	1.701	2.612	11.0	19.5
4 1	13 50.22	−11 54.4	1.640	2.607	6.9	19.3
4 11	13 41.86	−11 12.7	1.605	2.603	2.5	19.0
4 21	13 32.90	−10 25.9	1.597	2.598	2.2	18.9
5 1	13 24.43	− 9 40.0	1.616	2.594	6.8	19.2
5 11	13 17.43	− 9 1.1	1.660	2.589	11.0	19.5
5 21	13 12.56	− 8 33.5	1.727	2.585	14.6	19.7
423680 2005 YQ_{213}			4 16.1 147°16		0°3/16.3 15	
3 12	14 3.08	−12 54.9	2.529	3.339	11.4	22.7
3 22	13 57.38	−12 32.6	2.452	3.352	8.6	22.6
4 1	13 50.06	−12 0.9	2.401	3.364	5.4	22.4
4 11	13 41.72	−11 22.3	2.377	3.375	1.9	22.2
4 21	13 33.08	−10 40.4	2.384	3.385	1.7	22.1
5 1	13 24.90	− 9 59.3	2.421	3.395	5.1	22.4
5 11	13 17.84	− 9 23.0	2.485	3.404	8.3	22.6
5 21	13 12.38	− 8 54.7	2.575	3.412	11.0	22.8
106258 2000 UN_{59}			4 16.1 132°28		2°7/18.7 18	
3 12	14 1.64	−19 41.9	2.530	3.318	12.0	19.4
3 22	13 56.48	−19 55.3	2.445	3.323	9.5	19.3
4 1	13 49.60	−19 56.6	2.383	3.328	6.6	19.1
4 11	13 41.60	−19 46.2	2.348	3.333	3.8	18.9
4 21	13 33.18	−19 26.0	2.342	3.338	2.8	18.9
5 1	13 25.14	−18 59.0	2.365	3.343	5.0	19.0
5 11	13 18.20	−18 29.7	2.416	3.347	7.9	19.2
5 21	13 12.87	−18 2.0	2.491	3.351	10.6	19.4
390158 2012 VD_{97}			4 16.1 178°07		0°7/16.7 18	
3 12	14 1.43	−13 22.1	2.524	3.335	11.3	21.1
3 22	13 56.26	−13 16.8	2.437	3.336	8.6	20.9
4 1	13 49.45	−13 2.6	2.375	3.337	5.5	20.7
4 11	13 41.54	−12 41.1	2.341	3.337	2.1	20.5
4 21	13 33.24	−12 15.1	2.336	3.338	1.7	20.5
5 1	13 25.31	−11 48.2	2.360	3.337	5.0	20.7
5 11	13 18.44	−11 24.1	2.413	3.337	8.2	20.9
5 21	13 13.12	−11 6.0	2.490	3.336	11.0	21.1
298746 2004 GU_{66}			4 16.1 352°54		0°1/16.0 17	
3 12	13 58.08	−12 32.6	2.093	2.923	12.7	21.2
3 22	13 54.05	−12 0.7	2.011	2.922	9.6	21.0
4 1	13 48.20	−11 17.3	1.953	2.921	6.0	20.8
4 11	13 41.13	−10 25.9	1.922	2.920	2.0	20.5
4 21	13 33.65	− 9 31.0	1.918	2.920	2.0	20.5
5 1	13 26.60	− 8 38.2	1.943	2.919	6.0	20.7
5 11	13 20.75	− 7 52.7	1.994	2.919	9.6	21.0
5 21	13 16.64	− 7 18.4	2.068	2.919	12.8	21.2
446874 2001 YF_{131}			4 16.1 63°23		10°7/12.3 16	
3 12	14 19.36	+15 1.5	1.259	2.095	19.1	20.1
3 22	14 10.29	+15 17.9	1.226	2.123	15.5	19.9
4 1	13 58.16	+15 15.3	1.215	2.152	12.3	19.8
4 11	13 44.40	+14 45.5	1.226	2.181	10.7	19.8
4 21	13 30.70	+13 45.9	1.263	2.209	11.6	19.9
5 1	13 18.65	+12 18.7	1.325	2.238	14.2	20.2
5 11	13 9.34	+10 30.0	1.409	2.266	17.2	20.4
5 21	13 3.24	+ 8 27.1	1.512	2.294	19.9	20.7

224565 2005 WK_{191} 4 16.1 74°.17 8°.4/23.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 7.19	−32 26.8	1.792	2.530	18.0	20.0
3 22	14 1.52	−33 23.5	1.725	2.549	15.3	19.9
4 1	13 53.11	−33 55.4	1.676	2.568	12.5	19.7
4 11	13 42.86	−33 59.1	1.651	2.588	9.9	19.6
4 21	13 31.99	−33 34.6	1.649	2.607	8.4	19.5
5 1	13 21.87	−32 46.3	1.673	2.626	9.0	19.6
5 11	13 13.67	−31 42.3	1.722	2.645	11.0	19.8
5 21	13 8.09	−30 32.2	1.794	2.664	13.6	20.0

458095 2010 BW_{19} 4 16.1 124°.46 2°.8/13.1 15

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 1.61	− 4 8.5	2.246	3.084	11.7	22.4
3 22	13 56.35	− 3 9.7	2.184	3.101	8.6	22.2
4 1	13 49.44	− 2 6.4	2.148	3.118	5.4	22.1
4 11	13 41.51	− 1 3.7	2.141	3.134	2.9	21.9
4 21	13 33.34	− 0 6.9	2.162	3.149	4.1	22.0
5 1	13 25.71	+ 0 39.0	2.212	3.164	7.1	22.3
5 11	13 19.31	+ 1 10.9	2.289	3.179	10.2	22.5
5 21	13 14.57	+ 1 27.5	2.387	3.192	12.8	22.7

433072 2012 TZ_{42} 4 16.1 271°.12 2°.4/18.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 1.29	−18 3.7	2.069	2.875	13.7	21.6
3 22	13 56.61	−18 8.2	1.980	2.872	10.7	21.3
4 1	13 49.88	−17 58.7	1.914	2.868	7.3	21.1
4 11	13 41.74	−17 36.3	1.874	2.864	3.8	20.9
4 21	13 33.05	−17 3.6	1.862	2.861	2.7	20.8
5 1	13 24.77	−16 25.0	1.877	2.857	5.8	21.0
5 11	13 17.79	−15 46.0	1.919	2.854	9.4	21.2
5 21	13 12.72	−15 11.7	1.985	2.850	12.7	21.4

109366 2001 QK_{158} 4 16.1 188°.00 1°.2/17.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 2.43	−15 32.6	1.966	2.782	13.9	20.6
3 22	13 57.48	−15 14.6	1.881	2.782	10.7	20.4
4 1	13 50.42	−14 42.5	1.820	2.781	6.9	20.1
4 11	13 41.93	−13 58.8	1.784	2.780	2.9	19.9
4 21	13 32.91	−13 7.5	1.777	2.779	2.1	19.8
5 1	13 24.38	−12 14.3	1.798	2.777	6.1	20.1
5 11	13 17.23	−11 25.3	1.845	2.775	10.0	20.3
5 21	13 12.09	−10 45.5	1.915	2.772	13.4	20.5

353590 2011 TG_{4} 4 16.1 209°.97 7°.8/ 6.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 0.92	+18 4.1	2.753	3.572	10.3	20.7
3 22	13 55.70	+19 3.1	2.694	3.568	8.8	20.6
4 1	13 49.00	+19 52.1	2.660	3.564	7.9	20.5
4 11	13 41.38	+20 25.8	2.652	3.560	7.9	20.5
4 21	13 33.48	+20 40.4	2.669	3.555	8.9	20.6
5 1	13 26.00	+20 34.0	2.712	3.550	10.4	20.7
5 11	13 19.54	+20 6.8	2.778	3.545	12.0	20.8
5 21	13 14.54	+19 20.9	2.862	3.539	13.6	20.9

15096 1999 XH_{12} 4 16.1 161°.80 1°.8/14.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	13 59.50	− 7 33.2	2.147	2.985	12.1	17.8
3 22	13 55.01	− 6 44.9	2.071	2.988	9.0	17.6
4 1	13 48.74	− 5 48.6	2.019	2.990	5.5	17.3
4 11	13 41.32	− 4 49.1	1.994	2.992	2.2	17.1
4 21	13 33.53	− 3 51.5	1.998	2.994	3.2	17.2
5 1	13 26.19	− 3 1.4	2.031	2.995	6.8	17.4
5 11	13 20.04	− 2 23.0	2.089	2.997	10.2	17.6
5 21	13 15.61	− 1 58.9	2.170	2.998	13.1	17.8

255747 2006 RS_{11} 4 16.1 243°.82 2°.6/13.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 3.00	− 5 37.4	1.897	2.738	13.3	21.4
3 22	13 58.03	− 4 51.5	1.805	2.723	10.0	21.1
4 1	13 50.85	− 3 57.5	1.737	2.708	6.2	20.8
4 11	13 42.11	− 3 0.6	1.695	2.692	2.9	20.6
4 21	13 32.71	− 2 6.7	1.682	2.675	4.2	20.6
5 1	13 23.70	− 1 22.2	1.697	2.658	8.2	20.8
5 11	13 16.03	− 0 51.9	1.736	2.640	12.1	21.0
5 21	13 10.39	− 0 38.6	1.798	2.622	15.6	21.2

161119 2002 RK_{17} 4 16.1 144°.05 1°.2/14.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	13 59.58	− 8 21.2	2.718	3.543	10.2	20.8
3 22	13 54.66	− 7 38.0	2.644	3.555	7.6	20.6
4 1	13 48.34	− 6 48.3	2.597	3.566	4.6	20.4
4 11	13 41.16	− 5 55.7	2.578	3.576	1.7	20.2
4 21	13 33.72	− 5 4.1	2.589	3.586	2.4	20.3
5 1	13 26.68	− 4 17.7	2.630	3.595	5.4	20.5
5 11	13 20.62	− 3 39.9	2.699	3.604	8.2	20.7
5 21	13 15.95	− 3 12.9	2.792	3.612	10.7	20.9

372971 2011 CW_{10} 4 16.1 186°.92 2°.1/13.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 1.67	− 6 25.2	2.229	3.063	11.9	22.5
3 22	13 56.58	− 5 34.2	2.148	3.063	8.8	22.3
4 1	13 49.71	− 4 36.1	2.092	3.062	5.4	22.1
4 11	13 41.66	− 3 35.4	2.064	3.061	2.4	21.9
4 21	13 33.21	− 2 37.5	2.066	3.059	3.5	21.9
5 1	13 25.19	− 1 47.8	2.096	3.056	6.9	22.1
5 11	13 18.36	− 1 10.3	2.152	3.053	10.3	22.3
5 21	13 13.24	− 0 47.4	2.232	3.048	13.2	22.5

59962 1999 RL_{234} 4 16.1 237°.10 0°.4/15.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 0.65	− 9 33.0	2.630	3.452	10.6	19.8
3 22	13 55.67	− 9 23.8	2.537	3.444	8.0	19.6
4 1	13 49.10	− 9 8.3	2.468	3.435	4.9	19.4
4 11	13 41.46	− 8 48.5	2.428	3.427	1.6	19.1
4 21	13 33.40	− 8 27.4	2.418	3.418	1.9	19.1
5 1	13 25.64	− 8 8.1	2.436	3.409	5.2	19.3
5 11	13 18.84	− 7 53.9	2.483	3.400	8.4	19.5
5 21	13 13.51	− 7 47.1	2.554	3.390	11.1	19.7

59589 1999 JU_{56} 4 16.1 326°.62 4°.6/12.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 2.15	− 0 16.2	1.630	2.486	14.4	18.6
3 22	13 57.56	+ 0 22.1	1.557	2.481	10.9	18.4
4 1	13 50.59	+ 1 2.5	1.506	2.476	7.2	18.2
4 11	13 42.02	+ 1 38.6	1.481	2.471	4.6	18.0
4 21	13 32.87	+ 2 4.3	1.482	2.466	6.1	18.1
5 1	13 24.29	+ 2 14.3	1.509	2.462	9.7	18.3
5 11	13 17.29	+ 2 6.1	1.559	2.458	13.5	18.5
5 21	13 12.53	+ 1 39.2	1.630	2.454	16.9	18.7

216117 2006 SJ_{36} 4 16.1 249°.43 3°.8/13.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 3.62	− 2 22.9	1.748	2.596	13.9	21.0
3 22	13 58.62	− 1 39.3	1.663	2.584	10.5	20.7
4 1	13 51.27	− 0 50.7	1.602	2.572	6.8	20.5
4 11	13 42.27	− 0 3.1	1.567	2.560	3.9	20.3
4 21	13 32.61	+ 0 37.2	1.560	2.547	5.4	20.3
5 1	13 23.41	+ 1 4.2	1.579	2.534	9.2	20.5
5 11	13 15.69	+ 1 14.0	1.622	2.521	13.1	20.7
5 21	13 10.16	+ 1 5.3	1.687	2.507	16.6	20.9

131966 2002 CP_{51} 4 16.1 55°.82 0°.7/15.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 3.29	−11 32.8	1.229	2.083	18.3	19.0
3 22	13 58.76	−10 57.3	1.180	2.103	13.7	18.8
4 1	13 51.39	−10 6.3	1.151	2.124	8.4	18.5
4 11	13 42.26	− 9 6.1	1.146	2.145	2.7	18.2
4 21	13 32.75	− 8 4.7	1.165	2.166	3.1	18.3
5 1	13 24.28	− 7 10.7	1.210	2.188	8.5	18.7
5 11	13 17.95	− 6 31.2	1.277	2.210	13.2	19.0
5 21	13 14.34	− 6 9.7	1.364	2.232	17.2	19.3

217872 2001 QF_{195} 4 16.1 148°.58 6°.4/21.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 6.37	−28 47.4	2.053	2.801	15.7	20.7
3 22	14 0.64	−29 28.1	1.968	2.807	13.1	20.5
4 1	13 52.50	−29 48.8	1.905	2.813	10.3	20.3
4 11	13 42.69	−29 47.4	1.865	2.818	7.7	20.2
4 21	13 32.22	−29 24.1	1.852	2.823	6.4	20.1
5 1	13 22.26	−28 42.3	1.866	2.828	7.5	20.2
5 11	13 13.85	−27 48.9	1.906	2.832	9.9	20.3
5 21	13 7.69	−26 51.2	1.969	2.836	12.7	20.5

384022 2008 UN_{99} 4 16.1 249°.73 3°.1/12.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 2.05	− 2 33.6	2.323	3.161	11.3	21.8
3 22	13 56.96	− 1 50.7	2.225	3.141	8.5	21.6
4 1	13 50.03	− 1 3.4	2.153	3.121	5.5	21.4
4 11	13 41.82	− 0 16.3	2.108	3.100	3.2	21.2
4 21	13 33.06	+ 0 25.6	2.092	3.078	4.4	21.2
5 1	13 24.59	+ 0 57.8	2.105	3.056	7.5	21.4
5 11	13 17.18	+ 1 16.7	2.145	3.034	10.8	21.5
5 21	13 11.43	+ 1 20.7	2.206	3.010	13.7	21.7

390284 2013 AA_{10} 4 16.1 140°.97 2°.1/18.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	13 59.55	−19 47.4	2.706	3.494	11.3	21.7
3 22	13 54.78	−19 34.6	2.622	3.502	8.9	21.5
4 1	13 48.49	−19 9.2	2.563	3.510	6.1	21.3
4 11	13 41.24	−18 32.6	2.531	3.518	3.3	21.2
4 21	13 33.68	−17 47.5	2.528	3.526	2.3	21.1
5 1	13 26.50	−16 57.9	2.554	3.533	4.6	21.3
5 11	13 20.33	−16 8.2	2.608	3.540	7.4	21.5
5 21	13 15.63	−15 22.7	2.688	3.546	10.0	21.6

40490 1999 RY_{67} 4 16.1 84°.52 4°.4/19.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 3.41	−22 58.6	1.906	2.694	15.4	18.9
3 22	13 58.40	−23 21.7	1.826	2.700	12.4	18.7
4 1	13 51.08	−23 26.8	1.768	2.706	9.0	18.5
4 11	13 42.20	−23 13.6	1.735	2.712	5.8	18.3
4 21	13 32.74	−22 44.0	1.728	2.719	4.5	18.3
5 1	13 23.82	−22 2.2	1.748	2.725	6.5	18.4
5 11	13 16.43	−21 15.1	1.795	2.731	9.8	18.6
5 21	13 11.22	−20 29.2	1.864	2.737	13.0	18.8

436664 2011 SZ_{33} 4 16.1 80°.17 0°.7/16.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	13 57.96	−15 47.4	2.241	3.057	12.4	21.3
3 22	13 53.80	−15 7.5	2.166	3.067	9.5	21.1
4 1	13 47.96	−14 14.4	2.115	3.078	6.0	20.9
4 11	13 41.07	−13 11.4	2.092	3.088	2.4	20.7
4 21	13 33.87	−12 3.2	2.097	3.099	1.7	20.7
5 1	13 27.14	−10 55.4	2.131	3.109	5.3	20.9
5 11	13 21.59	− 9 53.7	2.192	3.120	8.7	21.2
5 21	13 17.66	− 9 2.3	2.277	3.130	11.7	21.4

432281 2009 SD_{168} 4 16.1 210°.20 0°.9/15.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 3.00	− 9 5.5	2.317	3.141	11.8	22.3
3 22	13 57.62	− 8 38.7	2.225	3.134	8.9	22.1
4 1	13 50.40	− 8 3.9	2.158	3.127	5.5	21.9
4 11	13 41.94	− 7 24.3	2.120	3.118	1.9	21.6
4 21	13 32.99	− 6 43.8	2.110	3.109	2.4	21.7
5 1	13 24.41	− 6 7.1	2.130	3.100	6.1	21.9
5 11	13 16.98	− 5 38.1	2.178	3.089	9.6	22.1
5 21	13 11.24	− 5 20.0	2.248	3.079	12.6	22.2

476439 2008 ET_{9} 4 16.1 45°.49 7°.2/ 7.4 17

3 12	13 57.02	+ 9 17.5	2.175	3.027	11.4	21.2
3 22	13 53.11	+10 50.9	2.122	3.032	9.2	21.1
4 1	13 47.53	+12 19.2	2.093	3.036	7.5	21.0
4 11	13 40.92	+13 35.0	2.091	3.041	7.3	20.9
4 21	13 34.02	+14 32.3	2.116	3.046	8.6	21.0
5 1	13 27.58	+15 7.1	2.166	3.051	10.7	21.2
5 11	13 22.30	+15 18.2	2.238	3.057	13.0	21.3
5 21	13 18.63	+15 6.9	2.329	3.062	15.0	21.5

84285 2002 TB_{27} 4 16.1 141°.65 0°.2/16.3 18

3 12	14 0.00	−13 3.5	2.396	3.213	11.7	20.3
3 22	13 55.23	−12 37.4	2.317	3.220	8.8	20.2
4 1	13 48.83	−12 1.3	2.262	3.227	5.5	20.0
4 11	13 41.37	−11 17.9	2.235	3.233	2.0	19.7
4 21	13 33.58	−10 31.0	2.238	3.239	1.7	19.7
5 1	13 26.21	− 9 45.1	2.269	3.245	5.3	20.0
5 11	13 19.95	− 9 4.7	2.328	3.250	8.6	20.2
5 21	13 15.28	− 8 33.2	2.411	3.256	11.4	20.4

317976 2003 YC_{118} 4 16.1 339°.79 18°.4/27.5 18

3 12	14 7.87	−41 18.6	1.071	1.812	27.5	20.3
3 22	14 4.77	−43 43.5	1.004	1.808	25.2	20.1
4 1	13 56.74	−45 32.5	0.949	1.806	22.7	19.9
4 11	13 44.58	−46 32.0	0.908	1.803	20.3	19.7
4 21	13 30.23	−46 31.8	0.884	1.801	18.7	19.6
5 1	13 16.60	−45 31.3	0.876	1.799	18.5	19.5
5 11	13 6.41	−43 42.8	0.886	1.798	19.7	19.6
5 21	13 1.20	−41 25.9	0.911	1.797	22.0	19.7

16454 1989 TT_{2} 4 16.1 214°.21 2°.4/13.2 18

3 12	13 58.39	− 3 40.0	2.772	3.607	9.8	18.9
3 22	13 53.86	− 2 55.8	2.685	3.601	7.2	18.8
4 1	13 47.93	− 2 7.7	2.625	3.594	4.6	18.6
4 11	13 41.07	− 1 19.5	2.594	3.587	2.5	18.4
4 21	13 33.89	− 0 35.3	2.592	3.580	3.5	18.5
5 1	13 27.00	+ 0 1.3	2.619	3.572	6.1	18.6
5 11	13 21.01	+ 0 27.2	2.674	3.564	8.9	18.8
5 21	13 16.34	+ 0 40.8	2.751	3.555	11.3	18.9

117956 6695 $P–L$ 4 16.1 178°.30 0°.4/16.6 18

3 12	13 59.38	−13 18.2	2.947	3.756	10.0	21.0
3 22	13 54.54	−13 1.9	2.859	3.757	7.5	20.8
4 1	13 48.31	−12 37.3	2.796	3.758	4.8	20.6
4 11	13 41.20	−12 6.5	2.762	3.759	1.8	20.4
4 21	13 33.77	−11 32.2	2.757	3.759	1.4	20.4
5 1	13 26.66	−10 57.7	2.783	3.759	4.4	20.6
5 11	13 20.43	−10 26.4	2.837	3.758	7.3	20.8
5 21	13 15.50	−10 1.1	2.916	3.757	9.8	20.9

326045 2010 YN 4 16.1 288°.59 3°.0/13.6 17

3 12	14 0.44	− 5 31.2	1.657	2.510	14.4	20.6
3 22	13 56.34	− 4 41.3	1.575	2.499	10.8	20.4
4 1	13 49.89	− 3 42.7	1.516	2.489	6.7	20.1
4 11	13 41.83	− 2 41.3	1.483	2.479	3.2	19.8
4 21	13 33.14	− 1 44.4	1.476	2.469	4.7	19.9
5 1	13 24.92	− 0 58.7	1.496	2.459	8.8	20.1
5 11	13 18.21	− 0 29.7	1.539	2.449	13.0	20.3
5 21	13 13.68	− 0 19.8	1.603	2.440	16.6	20.5

495838 2001 VH_{96} 4 16.1 160°.38 1°.5/13.9 18

3 12	13 57.92	− 6 57.0	3.160	3.986	8.9	22.7
3 22	13 53.29	− 6 5.9	3.082	3.993	6.6	22.6
4 1	13 47.46	− 5 9.5	3.031	4.000	4.0	22.4
4 11	13 40.89	− 4 11.4	3.010	4.007	1.7	22.2
4 21	13 34.10	− 3 15.2	3.019	4.012	2.5	22.3
5 1	13 27.62	− 2 24.5	3.059	4.018	5.1	22.5
5 11	13 21.96	− 1 42.5	3.126	4.022	7.5	22.6
5 21	13 17.47	− 1 11.0	3.219	4.026	9.7	22.8

236131 2005 TM_{29} 4 16.1 198°.37 1°.9/14.5 18

3 12	14 4.12	− 8 48.1	1.643	2.484	15.1	20.7
3 22	13 59.08	− 7 54.1	1.564	2.482	11.3	20.4
4 1	13 51.58	− 6 47.7	1.507	2.479	6.9	20.2
4 11	13 42.40	− 5 34.8	1.477	2.475	2.6	19.9
4 21	13 32.61	− 4 22.7	1.474	2.471	3.8	20.0
5 1	13 23.40	− 3 19.3	1.498	2.466	8.4	20.2
5 11	13 15.82	− 2 31.2	1.547	2.460	12.7	20.5
5 21	13 10.57	− 2 1.8	1.617	2.454	16.4	20.7

192773 1999 UB_{12} 4 16.1 54°.78 1°.5/14.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 2.08	− 7 24.1	1.773	2.616	14.0	20.1
3 22	13 57.24	− 7 3.8	1.707	2.626	10.4	19.9
4 1	13 50.26	− 6 36.2	1.664	2.635	6.4	19.7
4 11	13 41.91	− 6 5.3	1.646	2.645	2.3	19.5
4 21	13 33.14	− 5 36.1	1.657	2.655	3.2	19.5
5 1	13 24.99	− 5 13.2	1.694	2.665	7.3	19.8
5 11	13 18.35	− 5 0.9	1.757	2.675	11.1	20.1
5 21	13 13.78	− 5 1.2	1.841	2.686	14.4	20.3

253853 2003 YV_{159} 4 16.1 98°.84 0°.3/16.3 18

3 12	14 5.84	−11 43.7	1.638	2.470	15.5	20.2
3 22	14 0.27	−11 40.2	1.571	2.481	11.8	20.0
4 1	13 52.24	−11 25.2	1.526	2.493	7.4	19.7
4 11	13 42.60	−11 1.6	1.506	2.504	2.6	19.5
4 21	13 32.47	−10 33.8	1.513	2.515	2.3	19.5
5 1	13 23.05	−10 6.9	1.548	2.526	7.0	19.8
5 11	13 15.37	− 9 46.4	1.608	2.537	11.3	20.1
5 21	13 10.07	− 9 36.0	1.690	2.547	14.9	20.3

434405 2005 JT_{27} 4 16.1 323°.78 9°.5/ 5.7 16

3 12	13 55.72	+10 5.3	1.634	2.500	13.8	20.2
3 22	13 52.89	+12 0.5	1.560	2.476	11.4	20.0
4 1	13 47.81	+13 52.5	1.509	2.453	9.8	19.9
4 11	13 41.14	+15 30.3	1.482	2.430	9.8	19.8
4 21	13 33.82	+16 43.6	1.480	2.408	11.7	19.9
5 1	13 26.91	+17 25.6	1.500	2.387	14.5	20.0
5 11	13 21.42	+17 33.6	1.539	2.366	17.5	20.1
5 21	13 18.01	+17 9.4	1.594	2.346	20.2	20.3

2053 Nuki 4 16.1 120°.95 0°.9/15.1 18

3 12	13 59.76	−10 50.8	2.183	3.012	12.3	16.6
3 22	13 55.14	− 9 58.4	2.111	3.023	9.1	16.4
4 1	13 48.80	− 8 55.9	2.065	3.034	5.6	16.2
4 11	13 41.39	− 7 47.5	2.047	3.045	1.9	16.0
4 21	13 33.67	− 6 38.8	2.057	3.056	2.5	16.1
5 1	13 26.45	− 5 35.5	2.096	3.066	6.1	16.3
5 11	13 20.45	− 4 42.6	2.162	3.076	9.5	16.5
5 21	13 16.13	− 4 3.2	2.251	3.086	12.5	16.8

67881 2000 WO_{47} 4 16.1 171°.76 0°.7/16.7 18

3 12	14 2.62	−15 29.0	1.778	2.600	14.9	20.5
3 22	13 57.80	−14 49.1	1.698	2.602	11.4	20.2
4 1	13 50.70	−13 52.5	1.640	2.604	7.3	20.0
4 11	13 42.09	−12 42.8	1.609	2.606	2.8	19.7
4 21	13 32.97	−11 26.0	1.605	2.607	2.2	19.7
5 1	13 24.42	−10 9.6	1.630	2.608	6.7	19.9
5 11	13 17.41	− 9 1.2	1.680	2.608	10.9	20.2
5 21	13 12.56	− 8 6.4	1.753	2.608	14.5	20.4

384727 2011 JN_{29} 4 16.1 342°.47 6°.6/10.2 17

3 12	13 56.99	+ 2 27.8	1.552	2.421	14.3	19.9
3 22	13 53.79	+ 3 50.6	1.484	2.413	10.9	19.7
4 1	13 48.31	+ 5 15.2	1.439	2.405	7.9	19.5
4 11	13 41.29	+ 6 32.3	1.419	2.399	6.6	19.4
4 21	13 33.73	+ 7 33.1	1.424	2.393	8.3	19.4
5 1	13 26.73	+ 8 10.7	1.453	2.387	11.6	19.6
5 11	13 21.24	+ 8 22.1	1.504	2.383	15.1	19.8
5 21	13 17.90	+ 8 7.6	1.573	2.379	18.2	20.0

306730 2000 WX_{159} 4 16.1 205°.98 3°.8/13.0 18

3 12	14 4.85	− 2 15.0	1.798	2.643	13.8	20.9
3 22	13 59.42	− 1 29.4	1.719	2.639	10.4	20.6
4 1	13 51.71	− 0 39.2	1.665	2.634	6.7	20.4
4 11	13 42.45	+ 0 9.5	1.637	2.629	3.9	20.2
4 21	13 32.63	+ 0 50.5	1.637	2.623	5.3	20.3
5 1	13 23.34	+ 1 18.2	1.664	2.617	9.0	20.5
5 11	13 15.54	+ 1 29.1	1.715	2.610	12.7	20.7
5 21	13 9.90	+ 1 22.0	1.788	2.603	16.0	20.9

101033 1998 QR_{82} 4 16.1 190°.39 3°.1/19.5 18

3 12	14 1.15	−22 33.7	2.494	3.271	12.5	20.2
3 22	13 56.22	−22 25.4	2.400	3.270	10.0	20.0
4 1	13 49.53	−22 1.6	2.330	3.268	7.1	19.8
4 11	13 41.68	−21 23.2	2.285	3.266	4.3	19.6
4 21	13 33.38	−20 32.5	2.270	3.264	3.1	19.6
5 1	13 25.46	−19 34.0	2.283	3.260	5.1	19.7
5 11	13 18.66	−18 33.1	2.324	3.257	8.1	19.9
5 21	13 13.51	−17 35.1	2.391	3.253	10.9	20.0

289982 2005 OO_{9} 4 16.1 223°.15 7°.9/ 4.7 18

3 12	13 58.16	+16 1.4	2.635	3.466	10.3	20.7
3 22	13 53.80	+17 33.4	2.575	3.459	8.8	20.5
4 1	13 47.93	+18 57.4	2.541	3.452	7.9	20.5
4 11	13 41.11	+20 6.8	2.534	3.445	8.1	20.5
4 21	13 33.95	+20 56.7	2.552	3.437	9.2	20.5
5 1	13 27.16	+21 23.9	2.595	3.429	10.9	20.6
5 11	13 21.34	+21 27.8	2.660	3.421	12.6	20.7
5 21	13 16.96	+21 10.1	2.743	3.413	14.2	20.9

110298 Deceptionisland 4 16.1 140°.48 0°.8/15.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 5.48	−10 51.4	1.805	2.634	14.4	21.2
3 22	13 59.75	−10 10.6	1.736	2.647	10.8	21.0
4 1	13 51.80	− 9 18.2	1.691	2.660	6.6	20.8
4 11	13 42.45	− 8 18.6	1.672	2.671	2.2	20.5
4 21	13 32.69	− 7 17.9	1.682	2.682	2.7	20.6
5 1	13 23.61	− 6 22.5	1.720	2.692	7.1	20.9
5 11	13 16.12	− 5 38.2	1.784	2.701	11.1	21.1
5 21	13 10.79	− 5 8.4	1.871	2.710	14.4	21.3

41879 2000 WO_{104} 4 16.1 262°.15 2°.4/14.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 3.96	− 6 29.0	1.767	2.608	14.1	19.3
3 22	13 59.05	− 5 48.2	1.668	2.586	10.7	19.0
4 1	13 51.69	− 4 57.8	1.592	2.563	6.7	18.8
4 11	13 42.52	− 4 2.7	1.543	2.540	2.9	18.5
4 21	13 32.52	− 3 9.3	1.521	2.516	4.1	18.5
5 1	13 22.82	− 2 24.2	1.526	2.491	8.5	18.7
5 11	13 14.54	− 1 53.3	1.557	2.466	12.9	18.9
5 21	13 8.48	− 1 39.8	1.608	2.440	16.7	19.1

395493 2011 UC_{87} 4 16.1 191°.47 2°.8/18.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 2.60	−20 11.6	2.708	3.488	11.5	21.7
3 22	13 57.19	−20 29.4	2.614	3.487	9.1	21.5
4 1	13 50.10	−20 35.8	2.544	3.485	6.4	21.3
4 11	13 41.88	−20 30.8	2.501	3.484	3.8	21.2
4 21	13 33.20	−20 15.8	2.488	3.482	2.9	21.1
5 1	13 24.83	−19 53.5	2.504	3.479	4.9	21.2
5 11	13 17.47	−19 27.9	2.548	3.477	7.6	21.4
5 21	13 11.66	−19 2.9	2.617	3.474	10.3	21.6

129250 2005 QY_{41} 4 16.1 237°.66 0°.9/14.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	13 58.04	− 9 37.4	2.834	3.657	9.9	20.8
3 22	13 53.66	− 8 56.1	2.734	3.644	7.4	20.6
4 1	13 47.85	− 8 7.0	2.661	3.629	4.5	20.4
4 11	13 41.10	− 7 13.2	2.616	3.615	1.6	20.2
4 21	13 33.96	− 6 18.5	2.601	3.600	2.1	20.2
5 1	13 27.08	− 5 27.1	2.616	3.584	5.2	20.4
5 11	13 21.05	− 4 42.8	2.659	3.568	8.2	20.6
5 21	13 16.33	− 4 8.6	2.726	3.552	10.8	20.7

507707 2013 TK_{108} 4 16.1 172°.01 1°.8/14.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 5.29	− 5 27.2	2.076	2.908	12.7	21.3
3 22	13 59.45	− 5 17.9	1.997	2.910	9.5	21.0
4 1	13 51.59	− 5 4.0	1.943	2.912	5.9	20.8
4 11	13 42.39	− 4 48.8	1.916	2.913	2.3	20.6
4 21	13 32.74	− 4 36.1	1.918	2.914	3.2	20.7
5 1	13 23.56	− 4 29.3	1.948	2.915	6.9	20.9
5 11	13 15.73	− 4 31.4	2.005	2.915	10.4	21.1
5 21	13 9.82	− 4 44.1	2.086	2.915	13.5	21.3

353223 2010 AT_{4} 4 16.1 210°.44 5°.8/10.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 3.08	+ 6 31.7	2.301	3.140	11.4	20.6
3 22	13 57.63	+ 7 27.8	2.225	3.134	8.9	20.4
4 1	13 50.38	+ 8 21.2	2.175	3.127	6.7	20.3
4 11	13 41.97	+ 9 5.8	2.152	3.120	5.8	20.2
4 21	13 33.15	+ 9 36.6	2.158	3.112	7.0	20.3
5 1	13 24.75	+ 9 49.8	2.190	3.103	9.4	20.4
5 11	13 17.52	+ 9 44.1	2.248	3.094	12.0	20.5
5 21	13 11.98	+ 9 20.0	2.326	3.084	14.4	20.7

124455 2001 QX_{272} 4 16.1 180°.47 0°.9/16.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 7.24	−13 34.8	1.706	2.528	15.5	20.7
3 22	14 1.43	−13 30.0	1.625	2.530	11.8	20.5
4 1	13 53.07	−13 12.1	1.566	2.530	7.6	20.2
4 11	13 42.96	−12 43.1	1.534	2.531	2.9	19.9
4 21	13 32.19	−12 7.2	1.528	2.530	2.3	19.9
5 1	13 22.00	−11 29.9	1.551	2.529	7.0	20.2
5 11	13 13.50	−10 57.5	1.599	2.527	11.4	20.4
5 21	13 7.39	−10 34.6	1.670	2.525	15.1	20.7

232755 2004 NM_{3} 4 16.1 330°.12 0°.7/16.5 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	13 59.26	−12 47.9	1.084	1.948	19.4	20.3
3 22	13 56.69	−12 45.6	1.006	1.933	15.0	20.0
4 1	13 50.77	−12 25.3	0.946	1.919	9.6	19.6
4 11	13 42.33	−11 49.9	0.908	1.906	3.6	19.2
4 21	13 32.73	−11 5.2	0.891	1.894	3.0	19.1
5 1	13 23.70	−10 20.3	0.898	1.883	9.3	19.5
5 11	13 16.85	− 9 44.8	0.925	1.873	15.2	19.7
5 21	13 13.19	− 9 25.3	0.970	1.864	20.3	20.0

504218 2006 UR_{78} 4 16.1 156°.86 1°.3/17.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	13 58.47	−17 55.4	2.917	3.711	10.4	22.5
3 22	13 53.88	−17 24.4	2.831	3.718	8.0	22.4
4 1	13 47.92	−16 41.8	2.770	3.724	5.3	22.2
4 11	13 41.11	−15 49.8	2.737	3.730	2.5	22.0
4 21	13 34.02	−14 51.6	2.734	3.735	1.6	22.0
5 1	13 27.29	−13 51.2	2.762	3.740	4.3	22.2
5 11	13 21.47	−12 53.2	2.817	3.745	7.1	22.3
5 21	13 16.97	−12 1.2	2.899	3.749	9.6	22.5

18137 2000 OU_{30} 4 16.1 139°.85 0°.4/16.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	13 52.18	−14 2.1	4.360	5.166	7.0	18.3
3 22	13 48.84	−13 38.6	4.270	5.167	5.3	18.2
4 1	13 44.67	−13 9.2	4.206	5.167	3.4	18.0
4 11	13 39.98	−12 35.3	4.172	5.168	1.3	17.9
4 21	13 35.11	−11 59.1	4.167	5.169	1.0	17.8
5 1	13 30.43	−11 22.6	4.193	5.170	3.0	18.0
5 11	13 26.28	−10 48.4	4.247	5.170	5.0	18.1
5 21	13 22.93	−10 18.2	4.328	5.171	6.8	18.3

359385 2010 GA_{123} 4 16.1 294°.21 1°.1/15.3 14 C

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	13 59.96	−11 34.5	1.346	2.199	17.0	20.9
3 22	13 56.68	−10 46.0	1.256	2.179	13.0	20.5
4 1	13 50.51	− 9 38.5	1.186	2.159	8.1	20.2
4 11	13 42.20	− 8 17.2	1.140	2.139	2.7	19.8
4 21	13 32.90	− 6 50.2	1.119	2.120	3.6	19.8
5 1	13 24.02	− 5 28.3	1.123	2.100	9.3	20.1
5 11	13 16.93	− 4 21.5	1.150	2.080	14.6	20.3
5 21	13 12.52	− 3 36.4	1.196	2.061	19.2	20.5

160561 1998 SR_{12} 4 16.1 245°.27 7°.0/24.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 2.61	−36 12.8	2.585	3.277	14.1	20.2
3 22	13 57.64	−36 19.9	2.469	3.259	12.3	20.1
4 1	13 50.61	−36 4.9	2.373	3.241	10.3	19.9
4 11	13 42.12	−35 25.5	2.301	3.222	8.3	19.7
4 21	13 33.02	−34 22.0	2.254	3.203	7.1	19.6
5 1	13 24.25	−32 57.4	2.235	3.183	7.3	19.6
5 11	13 16.72	−31 18.3	2.244	3.163	9.0	19.7
5 21	13 11.07	−29 32.5	2.277	3.142	11.3	19.8

292624 2006 UG_{9} 4 16.1 197°.40 2°.0/13.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	13 59.37	− 4 38.8	2.791	3.623	9.8	21.4
3 22	13 54.59	− 4 4.6	2.706	3.620	7.3	21.2
4 1	13 48.40	− 3 26.3	2.648	3.617	4.5	21.0
4 11	13 41.30	− 2 47.5	2.618	3.613	2.2	20.8
4 21	13 33.88	− 2 11.6	2.618	3.609	3.1	20.9
5 1	13 26.77	− 1 42.3	2.647	3.605	5.8	21.1
5 11	13 20.57	− 1 22.2	2.704	3.600	8.5	21.2
5 21	13 15.70	− 1 13.0	2.784	3.595	11.0	21.4

103867 2000 DC_{43} 4 16.1 118°.32 0°.2/16.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 0.86	−12 27.2	2.114	2.939	12.8	20.1
3 22	13 56.13	−12 7.7	2.036	2.944	9.7	19.9
4 1	13 49.53	−11 37.7	1.982	2.948	6.1	19.7
4 11	13 41.72	−11 0.0	1.955	2.953	2.1	19.5
4 21	13 33.49	−10 18.8	1.956	2.958	1.9	19.4
5 1	13 25.74	− 9 38.7	1.986	2.963	5.8	19.7
5 11	13 19.24	− 9 4.7	2.042	2.967	9.4	19.9
5 21	13 14.53	− 8 40.1	2.121	2.971	12.6	20.1

216877 2008 FS_{54} 4 16.1 273°.21 0°.5/15.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	13 52.26	− 8 45.9	4.491	5.312	6.6	21.2
3 22	13 48.89	− 8 24.3	4.396	5.304	4.9	21.1
4 1	13 44.71	− 7 58.9	4.329	5.297	3.0	20.9
4 11	13 40.01	− 7 31.4	4.291	5.289	1.0	20.7
4 21	13 35.13	− 7 3.8	4.283	5.282	1.3	20.8
5 1	13 30.41	− 6 38.0	4.305	5.274	3.3	20.9
5 11	13 26.18	− 6 15.9	4.356	5.267	5.2	21.0
5 21	13 22.70	− 5 59.1	4.433	5.259	6.9	21.2

172477 2003 SM_{86} 4 16.1 228°.95 2°.3/18.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 2.74	−18 58.9	1.794	2.603	15.3	20.3
3 22	13 58.09	−18 38.3	1.701	2.595	12.1	20.1
4 1	13 51.04	−17 58.7	1.630	2.586	8.2	19.8
4 11	13 42.31	−17 1.9	1.585	2.577	4.0	19.5
4 21	13 32.89	−15 52.0	1.567	2.567	2.7	19.4
5 1	13 23.92	−14 36.1	1.576	2.557	6.6	19.6
5 11	13 16.47	−13 22.5	1.611	2.546	10.8	19.8
5 21	13 11.25	−12 18.2	1.669	2.536	14.6	20.1

309300 2007 RF_{242} 4 16.1 252°.30 1°.0/16.8 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 6.83	−13 34.8	1.762	2.582	15.1	20.6
3 22	14 1.35	−13 35.4	1.660	2.563	11.7	20.4
4 1	13 53.23	−13 23.3	1.580	2.544	7.6	20.1
4 11	13 43.12	−13 0.0	1.527	2.523	3.0	19.7
4 21	13 32.06	−12 28.7	1.500	2.502	2.3	19.6
5 1	13 21.29	−11 54.5	1.502	2.481	7.1	19.9
5 11	13 12.02	−11 23.7	1.530	2.458	11.8	20.1
5 21	13 5.11	−11 1.6	1.580	2.435	15.8	20.3

59679 1999 JM_{102} 4 16.1 263°.80 1°.6/14.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 0.20	− 9 22.3	2.052	2.887	12.7	19.6
3 22	13 55.88	− 8 26.1	1.951	2.866	9.6	19.4
4 1	13 49.55	− 7 17.9	1.874	2.844	5.9	19.1
4 11	13 41.79	− 6 2.3	1.824	2.822	2.2	18.8
4 21	13 33.39	− 4 45.3	1.802	2.799	3.2	18.8
5 1	13 25.29	− 3 33.9	1.809	2.776	7.3	19.0
5 11	13 18.38	− 2 34.4	1.843	2.753	11.2	19.2
5 21	13 13.29	− 1 50.8	1.898	2.729	14.6	19.4

18558 1997 CO_{19} 4 16.1 347°.72 2°.1/14.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	13 59.56	− 5 21.3	2.031	2.875	12.4	18.4
3 22	13 55.24	− 4 56.8	1.952	2.872	9.3	18.2
4 1	13 49.03	− 4 26.9	1.898	2.869	5.7	17.9
4 11	13 41.56	− 3 55.9	1.870	2.867	2.5	17.7
4 21	13 33.65	− 3 28.0	1.870	2.865	3.5	17.8
5 1	13 26.17	− 3 7.6	1.897	2.863	7.1	18.0
5 11	13 19.92	− 2 58.2	1.950	2.862	10.6	18.2
5 21	13 15.47	− 3 1.7	2.025	2.860	13.6	18.4

507350 2011 UO_{337} 4 16.1 166°.22 0°.1/16.3 17

3 12	13 58.03	−13 18.3	2.921	3.732	10.0	22.8
3 22	13 53.55	−12 43.6	2.836	3.736	7.5	22.7
4 1	13 47.73	−12 0.0	2.776	3.740	4.7	22.5
4 11	13 41.07	−11 10.1	2.745	3.743	1.7	22.3
4 21	13 34.13	−10 17.2	2.745	3.746	1.5	22.3
5 1	13 27.52	− 9 25.3	2.774	3.749	4.5	22.5
5 11	13 21.79	− 8 38.3	2.831	3.751	7.4	22.7
5 21	13 17.34	− 7 59.1	2.914	3.752	9.8	22.8

438616 2007 XW_2 4 16.1 46°.21 5°.0/11.4 17

3 12	13 59.44	+ 2 33.5	1.999	2.852	12.3	20.7
3 22	13 55.01	+ 3 26.8	1.942	2.863	9.3	20.5
4 1	13 48.78	+ 4 19.3	1.910	2.873	6.5	20.4
4 11	13 41.44	+ 5 4.9	1.903	2.885	5.0	20.3
4 21	13 33.81	+ 5 38.2	1.924	2.896	6.3	20.4
5 1	13 26.73	+ 5 55.3	1.972	2.907	9.0	20.6
5 11	13 20.94	+ 5 54.6	2.043	2.919	11.8	20.8
5 21	13 16.92	+ 5 36.3	2.136	2.931	14.4	21.0

83671 2001 TN_{30} 4 16.1 268°.36 2°.4/13.4 18

3 12	13 57.47	− 6 13.5	2.224	3.067	11.6	19.7
3 22	13 53.56	− 5 12.0	2.139	3.059	8.6	19.5
4 1	13 47.93	− 4 2.7	2.079	3.051	5.3	19.2
4 11	13 41.18	− 2 50.7	2.047	3.043	2.6	19.0
4 21	13 34.01	− 1 41.8	2.043	3.035	3.8	19.1
5 1	13 27.21	− 0 41.7	2.068	3.027	7.1	19.3
5 11	13 21.50	+ 0 4.9	2.118	3.019	10.4	19.5
5 21	13 17.38	+ 0 35.5	2.191	3.010	13.3	19.7

279391 2010 CN_{145} 4 16.1 86°.52 2°.2/14.4 18

3 12	14 3.28	− 5 13.9	1.907	2.748	13.3	20.2
3 22	13 58.02	− 4 52.9	1.839	2.757	9.9	20.0
4 1	13 50.73	− 4 26.8	1.795	2.766	6.1	19.8
4 11	13 42.14	− 3 59.9	1.778	2.775	2.6	19.5
4 21	13 33.15	− 3 36.5	1.789	2.785	3.6	19.6
5 1	13 24.75	− 3 20.9	1.828	2.794	7.3	19.9
5 11	13 17.78	− 3 16.4	1.892	2.803	10.9	20.1
5 21	13 12.79	− 3 24.4	1.978	2.812	14.0	20.3

4558 Janesick 4 16.1 253°.31 9°.0/24.5 18

3 12	14 7.92	−37 45.1	2.031	2.724	17.4	17.2
3 22	14 2.44	−38 0.6	1.909	2.698	15.4	17.0
4 1	13 54.05	−37 47.9	1.805	2.671	13.0	16.8
4 11	13 43.45	−37 1.7	1.722	2.642	10.7	16.6
4 21	13 31.76	−35 40.3	1.664	2.613	9.2	16.4
5 1	13 20.38	−33 46.8	1.633	2.582	9.5	16.4
5 11	13 10.69	−31 30.4	1.628	2.550	11.6	16.4
5 21	13 3.62	−29 3.8	1.649	2.517	14.7	16.5

91292 1999 FF_{27} 4 16.1 77°.95 3°.6/13.4 18

3 12	14 2.85	− 5 0.0	1.391	2.250	16.2	18.2
3 22	13 58.31	− 4 1.2	1.331	2.258	12.1	17.9
4 1	13 51.16	− 2 54.0	1.294	2.267	7.5	17.7
4 11	13 42.32	− 1 46.2	1.281	2.276	3.9	17.5
4 21	13 32.99	− 0 46.4	1.293	2.285	5.4	17.6
5 1	13 24.47	− 0 1.9	1.331	2.294	9.8	17.9
5 11	13 17.82	+ 0 22.2	1.392	2.303	14.0	18.1
5 21	13 13.68	+ 0 24.8	1.472	2.311	17.7	18.4

501014 2013 RS_{42} 4 16.1 289°.49 1°.7/14.9 17

3 12	14 1.81	− 8 22.9	1.604	2.451	15.0	21.7
3 22	13 57.65	− 7 52.5	1.510	2.431	11.4	21.4
4 1	13 50.94	− 7 10.9	1.438	2.410	7.1	21.1
4 11	13 42.34	− 6 22.6	1.391	2.390	2.6	20.8
4 21	13 32.87	− 5 33.6	1.370	2.369	3.6	20.8
5 1	13 23.76	− 4 50.9	1.376	2.348	8.4	21.0
5 11	13 16.18	− 4 20.9	1.406	2.328	13.1	21.2
5 21	13 10.94	− 4 7.4	1.456	2.308	17.2	21.4

189059 2000 UX_{63} 4 16.1 234°.11 3°.5/19.8 18

3 12	14 0.26	−23 58.1	2.061	2.845	14.5	20.1
3 22	13 55.98	−23 34.0	1.965	2.838	11.7	19.8
4 1	13 49.60	−22 49.2	1.890	2.830	8.4	19.6
4 11	13 41.80	−21 44.5	1.841	2.823	5.1	19.4
4 21	13 33.45	−20 23.5	1.820	2.815	3.6	19.3
5 1	13 25.54	−18 52.7	1.826	2.807	5.9	19.4
5 11	13 18.96	−17 20.2	1.860	2.798	9.4	19.6
5 21	13 14.32	−15 53.6	1.918	2.789	12.8	19.8

326978 2004 NT_2 4 16.1 257°.79 6°.8/ 8.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 0.15	+ 5 47.3	1.984	2.836	12.4	20.5
3 22	13 55.81	+ 7 20.9	1.904	2.820	9.7	20.3
4 1	13 49.47	+ 8 54.7	1.850	2.804	7.5	20.1
4 11	13 41.76	+10 20.0	1.822	2.787	6.9	20.0
4 21	13 33.49	+11 29.2	1.821	2.769	8.5	20.1
5 1	13 25.61	+12 16.1	1.846	2.752	11.2	20.2
5 11	13 18.98	+12 37.9	1.893	2.734	14.1	20.4
5 21	13 14.20	+12 34.8	1.960	2.716	16.8	20.5

107297 2001 CD_4 4 16.1 62°.79 0°.2/16.3 18

3 12	14 4.74	−11 56.0	1.422	2.264	16.9	18.9
3 22	13 59.75	−11 48.7	1.361	2.277	12.8	18.7
4 1	13 52.07	−11 28.2	1.320	2.290	8.0	18.5
4 11	13 42.65	−10 58.0	1.304	2.303	2.8	18.2
4 21	13 32.71	−10 23.2	1.314	2.316	2.5	18.2
5 1	13 23.59	− 9 50.4	1.350	2.330	7.6	18.5
5 11	13 16.41	− 9 25.5	1.410	2.343	12.2	18.8
5 21	13 11.81	− 9 12.8	1.491	2.357	16.1	19.1

240001 2001 SC_{273} 4 16.1 232°.55 21°.3/ 6.2 17

3 12	14 26.62	+33 2.4	1.119	1.908	23.9	19.9
3 22	14 17.31	+34 23.1	1.076	1.904	22.4	19.7
4 1	14 3.40	+35 4.5	1.048	1.898	21.4	19.6
4 11	13 46.55	+34 49.5	1.037	1.893	21.4	19.6
4 21	13 29.14	+33 29.5	1.043	1.887	22.4	19.6
5 1	13 13.63	+31 7.1	1.068	1.881	24.2	19.7
5 11	13 1.77	+27 55.0	1.109	1.875	26.4	19.9
5 21	12 54.25	+24 9.7	1.164	1.868	28.6	20.0

441851 2009 WK_{33} 4 16.1 128°.97 1°.2/14.3 18

3 12	13 55.91	− 6 19.1	3.640	4.466	7.9	21.9
3 22	13 51.69	− 5 51.1	3.566	4.477	5.8	21.8
4 1	13 46.47	− 5 19.5	3.519	4.487	3.5	21.6
4 11	13 40.64	− 4 47.0	3.501	4.498	1.4	21.5
4 21	13 34.63	− 4 15.9	3.513	4.508	2.0	21.5
5 1	13 28.88	− 3 48.9	3.556	4.518	4.3	21.7
5 11	13 23.81	− 3 27.9	3.626	4.528	6.4	21.9
5 21	13 19.73	− 3 14.6	3.722	4.537	8.4	22.0

370920 2005 MA_{31} 4 16.1 273°.67 2°.5/14.1 17

3 12	14 1.86	− 6 37.2	1.706	2.553	14.3	21.1
3 22	13 57.51	− 5 52.1	1.614	2.535	10.8	20.8
4 1	13 50.75	− 4 57.0	1.544	2.516	6.7	20.6
4 11	13 42.26	− 3 57.3	1.499	2.497	2.9	20.3
4 21	13 33.00	− 2 59.4	1.482	2.477	4.2	20.3
5 1	13 24.11	− 2 10.7	1.492	2.457	8.6	20.5
5 11	13 16.67	− 1 37.0	1.526	2.438	12.9	20.7
5 21	13 11.43	− 1 21.6	1.580	2.418	16.7	20.9

457275 2008 RK_{78} 4 16.1 164°.94 3°.0/18.4 18

3 12	14 7.28	−19 30.1	1.781	2.580	15.8	22.3
3 22	14 1.44	−19 31.9	1.700	2.586	12.5	22.1
4 1	13 53.09	−19 16.0	1.641	2.591	8.6	21.8
4 11	13 43.03	−18 43.3	1.607	2.595	4.6	21.6
4 21	13 32.36	−17 56.9	1.600	2.599	3.2	21.5
5 1	13 22.29	−17 2.7	1.622	2.602	6.6	21.7
5 11	13 13.90	−16 8.1	1.670	2.603	10.6	22.0
5 21	13 7.88	−15 19.8	1.741	2.605	14.2	22.2

21127 1993 BF_4 4 16.1 182°.51 5°.4/ 9.9 18

3 12	14 0.91	+ 4 35.3	2.354	3.197	11.0	19.2
3 22	13 55.95	+ 5 50.5	2.285	3.198	8.5	19.0
4 1	13 49.34	+ 7 4.7	2.242	3.198	6.3	18.9
4 11	13 41.68	+ 8 11.7	2.227	3.198	5.4	18.8
4 21	13 33.67	+ 9 5.8	2.241	3.197	6.7	18.9
5 1	13 26.09	+ 9 42.9	2.282	3.195	9.0	19.0
5 11	13 19.62	+10 0.6	2.347	3.193	11.6	19.2
5 21	13 14.75	+ 9 59.3	2.434	3.190	13.9	19.3

156301 2001 XZ_{17} 4 16.1 189°.42 0°.5/16.5 18

3 12	14 3.70	−12 45.6	2.057	2.877	13.3	20.1
3 22	13 58.41	−12 36.5	1.972	2.876	10.1	19.9
4 1	13 51.06	−12 16.7	1.911	2.875	6.4	19.7
4 11	13 42.32	−11 48.5	1.876	2.874	2.4	19.4
4 21	13 33.06	−11 15.5	1.870	2.872	2.0	19.4
5 1	13 24.25	−10 42.4	1.893	2.870	6.0	19.6
5 11	13 16.76	−10 13.8	1.942	2.868	9.8	19.9
5 21	13 11.20	− 9 53.8	2.015	2.865	13.1	20.1

88931 2001 TZ_{25} 4 16.1 255°.73 2°.4/17.9 18

3 12	14 3.37	−18 4.9	1.507	2.330	17.1	19.4
3 22	13 59.03	−17 55.8	1.419	2.320	13.4	19.2
4 1	13 51.89	−17 26.7	1.351	2.311	9.1	18.9
4 11	13 42.71	−16 38.8	1.307	2.300	4.4	18.6
4 21	13 32.65	−15 36.7	1.289	2.290	3.0	18.5
5 1	13 23.10	−14 27.7	1.297	2.279	7.4	18.7
5 11	13 15.32	−13 21.3	1.329	2.269	12.3	18.9
5 21	13 10.15	−12 25.2	1.383	2.258	16.6	19.2

285439 1999 VC_{155} 4 16.1 256°.65 1°.0/15.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	13 59.67	− 7 55.7	2.496	3.326	10.9	21.3
3 22	13 55.05	− 7 37.5	2.408	3.320	8.1	21.1
4 1	13 48.82	− 7 13.3	2.345	3.314	5.0	20.9
4 11	13 41.53	− 6 45.9	2.310	3.309	1.8	20.6
4 21	13 33.83	− 6 18.8	2.304	3.303	2.3	20.7
5 1	13 26.46	− 5 55.5	2.327	3.297	5.7	20.9
5 11	13 20.10	− 5 39.3	2.377	3.291	8.8	21.1
5 21	13 15.23	− 5 32.4	2.450	3.285	11.6	21.2

246015 2006 TA_{71} 4 16.1 249°.36 2°.1/14.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 0.94	− 4 33.0	2.343	3.179	11.3	20.8
3 22	13 56.09	− 4 9.1	2.256	3.172	8.4	20.6
4 1	13 49.50	− 3 41.0	2.195	3.165	5.2	20.3
4 11	13 41.77	− 3 12.3	2.161	3.157	2.4	20.1
4 21	13 33.60	− 2 46.9	2.156	3.149	3.4	20.2
5 1	13 25.78	− 2 28.4	2.179	3.141	6.6	20.4
5 11	13 19.04	− 2 20.1	2.229	3.133	9.8	20.6
5 21	13 13.91	− 2 23.3	2.302	3.125	12.6	20.7

190388 1999 RW_{247} 4 16.1 191°.00 2°.2/17.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 2.63	−17 31.6	2.016	2.824	13.9	20.3
3 22	13 57.71	−17 33.8	1.931	2.823	10.9	20.1
4 1	13 50.68	−17 22.0	1.868	2.823	7.3	19.8
4 11	13 42.20	−16 57.4	1.831	2.822	3.7	19.6
4 21	13 33.18	−16 22.9	1.821	2.821	2.5	19.5
5 1	13 24.61	−15 43.0	1.840	2.820	5.9	19.7
5 11	13 17.39	−15 3.5	1.885	2.819	9.6	20.0
5 21	13 12.14	−14 29.6	1.954	2.818	12.9	20.2

217955 2001 UV_{108} 4 16.1 153°.35 2°.2/14.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 2.57	− 5 55.5	2.075	2.912	12.5	20.9
3 22	13 57.39	− 5 14.1	2.002	2.918	9.3	20.7
4 1	13 50.32	− 4 26.4	1.954	2.924	5.7	20.4
4 11	13 42.04	− 3 37.0	1.933	2.930	2.5	20.2
4 21	13 33.37	− 2 51.0	1.941	2.935	3.6	20.3
5 1	13 25.22	− 2 13.4	1.977	2.939	7.1	20.5
5 11	13 18.36	− 1 48.1	2.039	2.944	10.5	20.8
5 21	13 13.33	− 1 37.0	2.124	2.947	13.5	21.0

280500 2004 OZ_{3} 4 16.1 272°.60 6°.9/ 8.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	13 59.47	+ 4 41.4	1.833	2.690	13.0	20.2
3 22	13 55.46	+ 6 18.5	1.755	2.675	10.2	20.0
4 1	13 49.34	+ 7 56.7	1.701	2.659	7.7	19.8
4 11	13 41.76	+ 9 27.0	1.674	2.643	7.0	19.7
4 21	13 33.60	+10 41.0	1.674	2.628	8.7	19.8
5 1	13 25.86	+11 31.7	1.698	2.612	11.6	19.9
5 11	13 19.45	+11 56.0	1.745	2.595	14.7	20.1
5 21	13 15.00	+11 53.9	1.811	2.579	17.5	20.3

522829 2016 NL_{82} 4 16.1 216°.34 3°.1/19.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	13 58.90	−23 5.8	2.392	3.173	12.8	21.8
3 22	13 54.66	−22 44.7	2.298	3.170	10.3	21.6
4 1	13 48.66	−22 6.5	2.227	3.167	7.3	21.4
4 11	13 41.49	−21 12.3	2.181	3.163	4.4	21.2
4 21	13 33.89	−20 5.4	2.164	3.159	3.1	21.1
5 1	13 26.68	−18 50.7	2.176	3.155	5.2	21.2
5 11	13 20.59	−17 34.6	2.215	3.151	8.2	21.4
5 21	13 16.16	−16 23.1	2.280	3.147	11.2	21.6

366481 2002 JZ_{93} 4 16.1 341°.91 3°.6/18.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	13 59.91	−21 11.5	1.400	2.222	18.2	20.1
3 22	13 56.52	−20 59.5	1.320	2.218	14.5	19.8
4 1	13 50.33	−20 22.9	1.260	2.215	10.1	19.6
4 11	13 42.16	−19 22.8	1.223	2.212	5.6	19.3
4 21	13 33.23	−18 4.3	1.211	2.210	3.7	19.2
5 1	13 24.93	−16 36.3	1.223	2.208	7.5	19.4
5 11	13 18.51	−15 9.9	1.260	2.206	12.1	19.6
5 21	13 14.72	−13 54.3	1.317	2.205	16.4	19.9

268138 2004 TO_{158} 4 16.1 248°.63 0°.6/16.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 2.69	−12 56.8	1.957	2.781	13.7	21.0
3 22	13 57.80	−12 51.1	1.869	2.775	10.5	20.7
4 1	13 50.77	−12 34.3	1.804	2.769	6.7	20.5
4 11	13 42.26	−12 8.6	1.766	2.763	2.5	20.2
4 21	13 33.15	−11 37.4	1.755	2.757	2.0	20.2
5 1	13 24.46	−11 5.6	1.772	2.751	6.2	20.4
5 11	13 17.12	−10 38.1	1.816	2.744	10.2	20.6
5 21	13 11.77	−10 19.2	1.882	2.738	13.7	20.8

48980 1998 QK_{43} 4 16.1 263°.04 4°.1/12.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 1.96	− 2 35.9	1.720	2.572	14.0	18.3
3 22	13 57.49	− 1 37.1	1.634	2.557	10.5	18.1
4 1	13 50.69	− 0 31.7	1.572	2.543	6.8	17.8
4 11	13 42.26	+ 0 33.3	1.536	2.528	4.2	17.6
4 21	13 33.14	+ 1 30.8	1.527	2.513	5.7	17.7
5 1	13 24.46	+ 2 13.7	1.545	2.498	9.6	17.9
5 11	13 17.23	+ 2 37.4	1.586	2.482	13.5	18.1
5 21	13 12.15	+ 2 40.2	1.648	2.467	17.0	18.2

245914 2006 QY_{161} 4 16.1 140°.43 2°.5/18.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 3.93	−18 44.1	1.792	2.600	15.4	21.0
3 22	13 58.86	−18 37.6	1.714	2.606	12.0	20.8
4 1	13 51.45	−18 13.8	1.658	2.612	8.2	20.6
4 11	13 42.48	−17 34.4	1.627	2.618	4.2	20.3
4 21	13 32.97	−16 43.1	1.624	2.623	2.8	20.2
5 1	13 24.05	−15 46.0	1.647	2.628	6.3	20.5
5 11	13 16.71	−14 50.4	1.697	2.633	10.3	20.7
5 21	13 11.60	−14 2.4	1.770	2.637	13.9	20.9

146175 2000 SJ_{300} 4 16.1 249°.36 2°.5/18.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 1.43	−18 43.8	2.414	3.209	12.3	20.2
3 22	13 56.56	−18 54.7	2.320	3.203	9.7	20.0
4 1	13 49.87	−18 53.4	2.248	3.197	6.7	19.8
4 11	13 41.93	−18 40.6	2.204	3.191	3.7	19.6
4 21	13 33.47	−18 18.1	2.188	3.185	2.6	19.5
5 1	13 25.34	−17 49.2	2.200	3.179	5.2	19.7
5 11	13 18.30	−17 18.4	2.240	3.173	8.3	19.8
5 21	13 12.93	−16 50.2	2.305	3.166	11.3	20.0

207103 2005 AZ_{22} 4 16.1 24°.01 0°.7/15.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 2.06	−10 5.0	1.185	2.046	18.3	19.9
3 22	13 58.22	− 9 54.1	1.125	2.052	13.8	19.6
4 1	13 51.37	− 9 29.9	1.085	2.059	8.6	19.3
4 11	13 42.50	− 8 57.2	1.068	2.067	2.9	19.0
4 21	13 32.98	− 8 22.4	1.075	2.076	3.2	19.1
5 1	13 24.33	− 7 53.0	1.106	2.086	8.8	19.4
5 11	13 17.82	− 7 35.2	1.158	2.096	13.8	19.7
5 21	13 14.15	− 7 32.9	1.231	2.108	18.0	20.0

422157 2014 RF_{3} 4 16.1 129°.85 1°.2/17.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 6.27	−14 37.5	1.689	2.510	15.6	21.5
3 22	14 0.65	−14 32.7	1.617	2.520	12.0	21.3
4 1	13 52.58	−14 13.9	1.567	2.530	7.7	21.0
4 11	13 42.87	−13 43.3	1.542	2.539	3.2	20.8
4 21	13 32.63	−13 5.0	1.545	2.547	2.3	20.7
5 1	13 23.06	−12 24.9	1.576	2.555	6.7	21.0
5 11	13 15.20	−11 49.1	1.632	2.563	11.0	21.3
5 21	13 9.70	−11 22.7	1.711	2.571	14.6	21.5

363365 2002 SD_{74} 4 16.1 290°.87 1°.4/15.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 1.12	− 9 34.3	1.551	2.399	15.4	21.3
3 22	13 57.22	− 8 58.7	1.459	2.380	11.7	21.0
4 1	13 50.72	− 8 9.9	1.389	2.361	7.3	20.7
4 11	13 42.33	− 7 12.5	1.344	2.343	2.5	20.4
4 21	13 33.07	− 6 13.0	1.324	2.324	3.4	20.4
5 1	13 24.21	− 5 19.2	1.331	2.305	8.4	20.6
5 11	13 16.92	− 4 38.2	1.362	2.287	13.2	20.8
5 21	13 12.02	− 4 14.6	1.413	2.269	17.4	21.0

79123 1990 RT_{8} 4 16.1 275°.30 1°.6/14.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 1.66	− 9 4.3	1.736	2.578	14.3	19.9
3 22	13 57.39	− 8 22.2	1.638	2.557	10.8	19.6
4 1	13 50.72	− 7 27.9	1.563	2.535	6.7	19.3
4 11	13 42.31	− 6 25.8	1.514	2.513	2.4	19.0
4 21	13 33.09	− 5 22.3	1.492	2.491	3.4	19.0
5 1	13 24.19	− 4 24.6	1.497	2.468	8.1	19.2
5 11	13 16.71	− 3 39.4	1.527	2.445	12.5	19.4
5 21	13 11.40	− 3 11.1	1.578	2.422	16.4	19.6

345660 2006 TK_{92} 4 16.1 91°.68 1°.4/14.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 0.41	− 6 58.1	2.356	3.189	11.3	21.0
3 22	13 55.55	− 6 33.1	2.287	3.201	8.4	20.8
4 1	13 49.08	− 6 2.6	2.243	3.213	5.1	20.6
4 11	13 41.61	− 5 30.0	2.227	3.225	2.0	20.4
4 21	13 33.85	− 4 59.1	2.240	3.237	2.7	20.5
5 1	13 26.54	− 4 33.7	2.281	3.248	6.0	20.7
5 11	13 20.36	− 4 16.9	2.349	3.260	9.1	20.9
5 21	13 15.75	− 4 10.7	2.441	3.271	11.8	21.1

437743 2014 EM_{35} 4 16.1 122°.56 4°.2/11.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	13 57.90	+ 1 9.5	2.389	3.237	10.7	21.1
3 22	13 53.69	+ 2 11.7	2.321	3.239	8.1	20.9
4 1	13 47.95	+ 3 15.0	2.278	3.242	5.5	20.8
4 11	13 41.23	+ 4 13.8	2.263	3.245	4.2	20.7
4 21	13 34.20	+ 5 3.3	2.276	3.248	5.4	20.8
5 1	13 27.58	+ 5 39.0	2.317	3.250	7.9	20.9
5 11	13 22.00	+ 5 58.7	2.383	3.253	10.6	21.1
5 21	13 17.91	+ 6 1.7	2.470	3.255	12.9	21.3

292459 Antoniolasciac 4 16.1 157°.37 3°.4/20.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 0.31	−23 39.0	2.588	3.359	12.2	21.2
3 22	13 55.57	−23 38.1	2.499	3.363	9.8	21.1
4 1	13 49.17	−23 22.2	2.433	3.367	7.2	20.9
4 11	13 41.67	−22 51.8	2.394	3.370	4.6	20.7
4 21	13 33.78	−22 9.1	2.383	3.373	3.4	20.7
5 1	13 26.26	−21 17.8	2.400	3.376	5.0	20.8
5 11	13 19.83	−20 23.1	2.445	3.379	7.7	20.9
5 21	13 14.97	−19 30.1	2.516	3.381	10.3	21.1

304496 2006 UG_{139} 4 16.1 135°.11 1°.1/17.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 0.46	−15 37.4	2.784	3.585	10.7	21.9
3 22	13 55.44	−15 27.8	2.704	3.596	8.2	21.7
4 1	13 48.97	−15 8.6	2.649	3.606	5.3	21.5
4 11	13 41.58	−14 41.4	2.622	3.616	2.3	21.3
4 21	13 33.89	−14 8.9	2.624	3.625	1.6	21.3
5 1	13 26.57	−13 34.5	2.656	3.634	4.5	21.5
5 11	13 20.22	−13 1.9	2.717	3.643	7.3	21.7
5 21	13 15.28	−12 34.3	2.802	3.652	9.9	21.9

250340 2003 SV_{153} 4 16.1 265°.20 2°.7/14.1 17

3 12	14 4.69	− 5 24.1	1.673	2.518	14.6	20.6
3 22	13 59.76	− 4 49.9	1.578	2.498	11.1	20.4
4 1	13 52.26	− 4 7.6	1.506	2.478	7.0	20.1
4 11	13 42.87	− 3 22.3	1.460	2.457	3.2	19.8
4 21	13 32.60	− 2 40.1	1.441	2.436	4.4	19.8
5 1	13 22.69	− 2 7.6	1.449	2.414	8.9	20.0
5 11	13 14.29	− 1 49.9	1.481	2.392	13.3	20.2
5 21	13 8.22	− 1 49.8	1.534	2.369	17.2	20.4

154565 2003 HO_{30} 4 16.1 99°.55 3°.9/13.4 18

3 12	14 6.32	− 0 3.7	1.815	2.658	13.7	19.3
3 22	14 0.44	+ 0 12.9	1.746	2.663	10.4	19.1
4 1	13 52.34	+ 0 30.0	1.700	2.668	6.7	18.9
4 11	13 42.78	+ 0 42.5	1.682	2.672	4.0	18.7
4 21	13 32.78	+ 0 46.3	1.691	2.677	5.2	18.8
5 1	13 23.39	+ 0 37.8	1.727	2.682	8.6	19.0
5 11	13 15.55	+ 0 15.5	1.789	2.686	12.1	19.2
5 21	13 9.87	− 0 20.8	1.872	2.691	15.2	19.5

388945 2008 TZ_{3} 4 16.1 331°.20 22°.0/ 1.4 18 R

3 12	13 38.48	+15 0.6	0.365	1.313	25.0	20.0
3 22	13 43.17	+16 18.0	0.288	1.255	22.9	19.3
4 1	13 44.25	+17 25.4	0.220	1.199	22.0	18.6
4 11	13 41.22	+17 49.7	0.158	1.146	23.2	17.8
4 21	13 32.33	+16 21.5	0.103	1.096	26.2	16.9
5 1	13 8.90	+ 8 18.4	0.052	1.053	29.9	15.4
5 11	9 42.32	−53 8.5	0.019	1.016	70.3	14.3
5 21	2 47.61	−42 0.0	0.056	0.989	113.2	18.5

470931 2009 FZ_{41} 4 16.1 308°.69 3°.3/12.7 17

3 12	13 57.65	− 3 5.9	2.096	2.946	11.9	21.2
3 22	13 53.82	− 2 9.0	2.014	2.937	8.9	21.0
4 1	13 48.19	− 1 6.9	1.958	2.928	5.7	20.7
4 11	13 41.37	− 0 5.0	1.928	2.920	3.4	20.6
4 21	13 34.10	+ 0 50.7	1.926	2.912	4.7	20.6
5 1	13 27.21	+ 1 34.9	1.951	2.904	7.9	20.8
5 11	13 21.48	+ 2 3.6	2.001	2.896	11.2	21.0
5 21	13 17.42	+ 2 15.2	2.073	2.888	14.1	21.2

24032 Aimeemcarthy 4 16.1 149°.17 1°.4/17.6 18

3 12	14 0.90	−17 22.8	2.264	3.069	12.7	19.1
3 22	13 56.11	−16 55.2	2.183	3.076	9.8	18.9
4 1	13 49.53	−16 13.7	2.125	3.082	6.4	18.7
4 11	13 41.81	−15 20.6	2.094	3.088	2.9	18.5
4 21	13 33.70	−14 19.9	2.092	3.094	1.9	18.4
5 1	13 26.06	−13 17.0	2.119	3.099	5.3	18.6
5 11	13 19.62	−12 17.6	2.174	3.104	8.7	18.8
5 21	13 14.90	−11 26.5	2.253	3.108	11.7	19.0

500713 2012 XZ_{7} 4 16.1 170°.83 3°.8/11.9 17

3 12	14 0.84	+ 1 50.8	2.612	3.450	10.2	21.4
3 22	13 55.76	+ 2 31.2	2.539	3.453	7.7	21.3
4 1	13 49.18	+ 3 11.5	2.493	3.455	5.3	21.1
4 11	13 41.66	+ 3 47.3	2.474	3.457	3.8	21.0
4 21	13 33.85	+ 4 14.7	2.485	3.459	4.9	21.1
5 1	13 26.42	+ 4 30.5	2.524	3.460	7.3	21.2
5 11	13 19.99	+ 4 32.9	2.589	3.461	9.8	21.4
5 21	13 15.01	+ 4 21.6	2.677	3.461	12.1	21.6

280804 2005 TR_{132} 4 16.1 44°.97 0°.4/15.7 18

3 12	13 58.25	−14 44.2	1.424	2.269	16.7	20.1
3 22	13 54.78	−13 26.8	1.369	2.288	12.5	19.9
4 1	13 48.92	−11 50.2	1.336	2.307	7.7	19.7
4 11	13 41.60	−10 1.7	1.328	2.327	2.5	19.4
4 21	13 33.95	− 8 11.4	1.346	2.347	2.8	19.5
5 1	13 27.12	− 6 29.8	1.391	2.368	7.7	19.8
5 11	13 22.04	− 5 5.6	1.459	2.389	12.1	20.1
5 21	13 19.24	− 4 3.6	1.549	2.411	15.8	20.4

494239 2016 PB_{24} 4 16.1 164°.05 3°.4/12.6 17

3 12	13 59.37	− 1 2.2	2.315	3.159	11.1	20.9
3 22	13 54.87	− 0 19.3	2.241	3.159	8.3	20.7
4 1	13 48.72	+ 0 25.7	2.192	3.160	5.4	20.5
4 11	13 41.52	+ 1 8.2	2.171	3.160	3.5	20.4
4 21	13 33.98	+ 1 43.5	2.178	3.160	4.6	20.5
5 1	13 26.83	+ 2 7.8	2.213	3.161	7.4	20.7
5 11	13 20.79	+ 2 18.5	2.273	3.161	10.3	20.8
5 21	13 16.31	+ 2 14.5	2.356	3.161	12.9	21.0

224525 2005 WU_{83} 4 16.1 346°.53 1°.5/15.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 2.03	− 7 48.8	1.591	2.439	15.1	20.2
3 22	13 57.65	− 7 31.2	1.515	2.436	11.3	19.9
4 1	13 50.82	− 7 4.8	1.461	2.434	7.0	19.7
4 11	13 42.32	− 6 34.0	1.432	2.431	2.5	19.4
4 21	13 33.20	− 6 3.8	1.430	2.429	3.3	19.4
5 1	13 24.63	− 5 40.1	1.454	2.428	7.9	19.7
5 11	13 17.68	− 5 27.5	1.502	2.426	12.2	19.9
5 21	13 13.03	− 5 28.8	1.571	2.426	16.0	20.2

432385 2009 WQ_{209} 4 16.1 166°.06 1°.6/14.5 17

3 12	14 2.00	− 7 14.1	2.226	3.058	11.9	22.1
3 22	13 56.90	− 6 37.8	2.149	3.062	8.9	21.9
4 1	13 50.01	− 5 54.6	2.096	3.066	5.5	21.7
4 11	13 41.98	− 5 8.6	2.071	3.069	2.1	21.5
4 21	13 33.56	− 4 24.2	2.075	3.072	3.0	21.5
5 1	13 25.59	− 3 46.3	2.108	3.074	6.5	21.8
5 11	13 18.81	− 3 18.6	2.168	3.075	9.8	22.0
5 21	13 13.75	− 3 3.5	2.250	3.077	12.8	22.2

467424 2005 UV_{285} 4 16.1 187°.17 3°.9/13.2 17

3 12	14 5.88	− 0 4.4	1.913	2.755	13.2	21.7
3 22	14 0.07	+ 0 19.3	1.838	2.755	10.0	21.5
4 1	13 52.11	+ 0 43.8	1.787	2.754	6.5	21.3
4 11	13 42.73	+ 1 4.3	1.763	2.754	4.0	21.1
4 21	13 32.85	+ 1 16.1	1.768	2.753	5.2	21.2
5 1	13 23.51	+ 1 15.4	1.799	2.752	8.5	21.4
5 11	13 15.63	+ 1 0.3	1.857	2.750	12.0	21.6
5 21	13 9.79	+ 0 30.6	1.935	2.749	15.0	21.8

377871 2006 CU_{40} 4 16.1 141°.24 1°.1/17.0 17

3 12	14 3.32	−14 12.8	2.034	2.851	13.5	21.7
3 22	13 58.14	−14 11.6	1.954	2.855	10.3	21.5
4 1	13 50.91	−13 59.0	1.897	2.859	6.7	21.3
4 11	13 42.32	−13 36.9	1.866	2.862	2.7	21.0
4 21	13 33.23	−13 8.4	1.864	2.866	2.0	21.0
5 1	13 24.63	−12 38.0	1.890	2.869	5.9	21.2
5 11	13 17.37	−12 10.6	1.942	2.872	9.6	21.5
5 21	13 12.06	−11 50.3	2.018	2.875	12.9	21.7

82519 2001 OG_{53} 4 16.1 150°.35 4°.3/12.4 18

3 12	14 5.69	+ 1 25.9	2.097	2.936	12.3	19.6
3 22	13 59.66	+ 2 3.6	2.031	2.944	9.3	19.4
4 1	13 51.71	+ 2 41.1	1.989	2.952	6.3	19.2
4 11	13 42.55	+ 3 13.3	1.975	2.960	4.4	19.1
4 21	13 33.05	+ 3 35.5	1.989	2.967	5.5	19.2
5 1	13 24.10	+ 3 44.1	2.031	2.973	8.4	19.4
5 11	13 16.52	+ 3 37.3	2.099	2.978	11.4	19.6
5 21	13 10.83	+ 3 15.2	2.190	2.984	14.1	19.8

95668 2002 GT_{160} 4 16.1 92°.85 3°.8/12.4 17

3 12	13 59.90	− 3 2.3	1.864	2.715	13.1	19.8
3 22	13 55.55	− 1 52.1	1.800	2.724	9.7	19.6
4 1	13 49.25	− 0 36.7	1.761	2.732	6.2	19.4
4 11	13 41.72	+ 0 37.0	1.749	2.740	3.9	19.3
4 21	13 33.83	+ 1 42.3	1.764	2.748	5.3	19.4
5 1	13 26.51	+ 2 32.9	1.806	2.757	8.6	19.6
5 11	13 20.56	+ 3 5.2	1.873	2.765	12.0	19.8
5 21	13 16.51	+ 3 17.9	1.961	2.773	14.9	20.0

251037 2006 QX_{139} 4 16.1 261°.10 0°.9/15.4 17

3 12	14 1.95	−11 9.6	1.681	2.519	14.9	21.3
3 22	13 57.64	−10 28.9	1.589	2.505	11.3	21.0
4 1	13 50.88	− 9 33.8	1.519	2.490	7.0	20.7
4 11	13 42.39	− 8 28.8	1.476	2.475	2.4	20.4
4 21	13 33.14	− 7 20.2	1.459	2.459	2.9	20.4
5 1	13 24.30	− 6 15.5	1.469	2.443	7.8	20.6
5 11	13 16.96	− 5 22.2	1.504	2.427	12.3	20.8
5 21	13 11.87	− 4 45.2	1.561	2.411	16.3	21.1

138786 2000 SL_{355} 4 16.1 236°.56 2°.7/13.3 16

3 12	14 1.14	− 1 58.6	2.627	3.461	10.3	21.1
3 22	13 56.09	− 1 31.5	2.536	3.451	7.7	20.9
4 1	13 49.47	− 1 2.1	2.472	3.440	4.9	20.7
4 11	13 41.80	− 0 34.1	2.436	3.428	2.8	20.5
4 21	13 33.73	− 0 10.9	2.430	3.417	3.8	20.5
5 1	13 25.96	+ 0 4.1	2.452	3.405	6.5	20.7
5 11	13 19.14	+ 0 8.5	2.502	3.393	9.4	20.9
5 21	13 13.78	+ 0 1.1	2.574	3.380	11.9	21.0

384033 2008 UY_{154} 4 16.1 128°.63 0°.3/15.9 17

3 12	14 0.33	−12 7.2	2.123	2.949	12.7	21.9
3 22	13 55.75	−11 31.1	2.047	2.956	9.5	21.7
4 1	13 49.34	−10 44.0	1.995	2.962	5.9	21.5
4 11	13 41.76	− 9 49.5	1.970	2.969	2.0	21.3
4 21	13 33.80	− 8 52.5	1.974	2.975	2.1	21.3
5 1	13 26.32	− 7 58.3	2.006	2.981	6.0	21.6
5 11	13 20.09	− 7 12.3	2.064	2.986	9.5	21.8
5 21	13 15.61	− 6 37.8	2.146	2.992	12.6	22.0

276628 2003 UQ_{151} 4 16.1 254°.03 2°.7/13.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 1.48	− 3 48.6	2.289	3.127	11.5	20.8
3 22	13 56.64	− 3 7.5	2.192	3.109	8.6	20.6
4 1	13 49.96	− 2 21.2	2.121	3.090	5.4	20.3
4 11	13 42.01	− 1 34.2	2.076	3.070	2.9	20.1
4 21	13 33.52	− 0 51.1	2.061	3.051	4.0	20.2
5 1	13 25.31	− 0 16.9	2.074	3.030	7.3	20.3
5 11	13 18.17	+ 0 4.9	2.114	3.010	10.6	20.5
5 21	13 12.69	+ 0 12.1	2.176	2.988	13.6	20.6

274673 2008 TA_{186} 4 16.1 206°.98 2°.4/13.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	13 59.06	− 6 39.5	2.232	3.071	11.7	21.0
3 22	13 54.75	− 5 28.8	2.149	3.067	8.7	20.8
4 1	13 48.71	− 4 9.6	2.092	3.063	5.3	20.6
4 11	13 41.55	− 2 47.3	2.063	3.058	2.6	20.4
4 21	13 33.99	− 1 28.3	2.063	3.054	3.8	20.5
5 1	13 26.82	− 0 18.5	2.091	3.048	7.2	20.6
5 11	13 20.77	+ 0 37.0	2.146	3.043	10.4	20.8
5 21	13 16.35	+ 1 15.7	2.224	3.037	13.3	21.0

171670 2000 OX_{59} 4 16.1 261°.38 3°.6/18.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 4.12	−20 19.8	1.616	2.425	16.8	20.3
3 22	13 59.60	−20 25.1	1.519	2.410	13.4	20.0
4 1	13 52.30	−20 10.5	1.443	2.394	9.4	19.7
4 11	13 42.93	−19 36.0	1.390	2.378	5.3	19.4
4 21	13 32.60	−18 44.0	1.364	2.362	3.8	19.3
5 1	13 22.65	−17 40.9	1.364	2.345	7.3	19.5
5 11	13 14.36	−16 35.3	1.388	2.328	11.8	19.7
5 21	13 8.62	−15 35.7	1.435	2.311	16.0	19.9

497797 2006 SN_{410} 4 16.1 164°.63 0°.2/15.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	13 58.17	−12 34.9	2.534	3.354	11.0	22.4
3 22	13 53.89	−11 50.7	2.450	3.356	8.3	22.3
4 1	13 48.09	−10 56.4	2.392	3.359	5.1	22.1
4 11	13 41.32	− 9 55.2	2.363	3.361	1.7	21.8
4 21	13 34.22	− 8 51.5	2.362	3.363	1.8	21.8
5 1	13 27.50	− 7 50.2	2.391	3.365	5.2	22.1
5 11	13 21.78	− 6 56.0	2.447	3.366	8.4	22.3
5 21	13 17.52	− 6 12.3	2.528	3.367	11.1	22.4

488268 2016 SO_{6} 4 16.1 225°.63 3°.9/21.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 0.28	−27 46.8	3.282	4.016	10.6	22.6
3 22	13 55.37	−27 50.5	3.170	4.004	8.8	22.4
4 1	13 49.01	−27 40.2	3.081	3.991	6.8	22.3
4 11	13 41.66	−27 15.8	3.019	3.977	4.9	22.1
4 21	13 33.89	−26 38.3	2.986	3.963	3.9	22.0
5 1	13 26.35	−25 50.3	2.982	3.948	4.8	22.1
5 11	13 19.64	−24 55.9	3.006	3.933	6.7	22.2
5 21	13 14.24	−23 59.4	3.057	3.917	8.9	22.3

146243 2000 XA_{3} 4 16.1 208°.97 2°.2/18.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 0.94	−19 47.4	3.040	3.819	10.4	20.9
3 22	13 55.85	−19 50.0	2.939	3.813	8.2	20.7
4 1	13 49.29	−19 41.9	2.862	3.806	5.7	20.5
4 11	13 41.75	−19 23.6	2.814	3.799	3.3	20.4
4 21	13 33.81	−18 56.8	2.795	3.791	2.3	20.3
5 1	13 26.11	−18 24.4	2.806	3.783	4.3	20.4
5 11	13 19.29	−17 50.0	2.845	3.774	6.9	20.6
5 21	13 13.80	−17 17.3	2.911	3.765	9.4	20.7

497990 2007 DC_{44} 4 16.1 300°.56 5°.1/10.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	13 57.67	− 2 16.8	1.669	2.530	13.8	21.1
3 22	13 54.26	− 0 34.2	1.593	2.521	10.4	20.9
4 1	13 48.66	+ 1 16.8	1.541	2.512	6.9	20.7
4 11	13 41.59	+ 3 7.1	1.515	2.503	5.1	20.5
4 21	13 33.96	+ 4 46.6	1.517	2.494	7.0	20.6
5 1	13 26.82	+ 6 6.6	1.544	2.485	10.6	20.8
5 11	13 21.09	+ 7 1.5	1.595	2.477	14.2	21.0
5 21	13 17.42	+ 7 29.7	1.664	2.468	17.4	21.2

504267 2006 VX_{105} 4 16.1 136°.15 2°.1/18.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	13 58.58	−20 23.7	2.572	3.362	11.8	22.0
3 22	13 54.23	−19 59.1	2.487	3.368	9.2	21.8
4 1	13 48.32	−19 20.3	2.426	3.374	6.3	21.7
4 11	13 41.41	−18 29.2	2.392	3.380	3.4	21.5
4 21	13 34.16	−17 28.9	2.386	3.385	2.3	21.4
5 1	13 27.32	−16 24.2	2.410	3.390	4.7	21.6
5 11	13 21.51	−15 20.4	2.462	3.395	7.7	21.8
5 21	13 17.21	−14 22.1	2.539	3.400	10.4	21.9

416331 2003 SV_{194} 4 16.1 233°.10 3°.4/18.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 5.15	−20 47.3	1.923	2.716	15.0	22.3
3 22	13 59.94	−20 50.9	1.823	2.704	12.0	22.1
4 1	13 52.29	−20 37.1	1.745	2.691	8.5	21.8
4 11	13 42.89	−20 5.7	1.692	2.677	4.9	21.6
4 21	13 32.70	−19 19.1	1.666	2.663	3.5	21.5
5 1	13 22.86	−18 22.5	1.669	2.648	6.5	21.6
5 11	13 14.46	−17 23.0	1.698	2.633	10.4	21.8
5 21	13 8.27	−16 27.6	1.750	2.616	14.1	22.0

279251 2009 VD_{42} 4 16.1 56°.88 2°.7/13.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	13 59.57	− 7 27.4	1.615	2.468	14.7	20.5
3 22	13 55.48	− 6 14.1	1.562	2.486	10.8	20.3
4 1	13 49.26	− 4 51.2	1.532	2.505	6.6	20.1
4 11	13 41.73	− 3 26.0	1.528	2.524	3.0	19.9
4 21	13 33.91	− 2 6.9	1.550	2.544	4.4	20.1
5 1	13 26.81	− 1 1.1	1.600	2.563	8.3	20.3
5 11	13 21.28	− 0 13.8	1.673	2.583	12.1	20.6
5 21	13 17.84	+ 0 13.0	1.768	2.602	15.3	20.9

305469 2008 DY_{38} 4 16.1 342°.32 1°.0/17.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	13 59.88	−14 9.4	2.250	3.068	12.3	20.9
3 22	13 55.44	−14 7.1	2.164	3.066	9.4	20.7
4 1	13 49.20	−13 54.4	2.101	3.064	6.1	20.5
4 11	13 41.75	−13 33.1	2.065	3.061	2.5	20.3
4 21	13 33.83	−13 6.2	2.058	3.060	1.8	20.2
5 1	13 26.29	−12 37.6	2.078	3.058	5.4	20.5
5 11	13 19.89	−12 11.7	2.126	3.056	8.8	20.7
5 21	13 15.17	−11 52.0	2.197	3.055	11.9	20.9

188 Menippe 4 16.1 276°.62 3°.5/19.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	13 59.60	−23 13.6	2.058	2.846	14.4	13.9
3 22	13 55.62	−22 55.0	1.952	2.828	11.6	13.6
4 1	13 49.52	−22 16.2	1.868	2.810	8.3	13.4
4 11	13 41.91	−21 17.7	1.810	2.792	5.0	13.2
4 21	13 33.64	−20 2.8	1.778	2.774	3.5	13.0
5 1	13 25.71	−18 37.4	1.774	2.755	6.0	13.1
5 11	13 19.04	−17 9.3	1.798	2.736	9.6	13.3
5 21	13 14.32	−15 46.3	1.845	2.718	13.1	13.5

300988 2008 FW_{11} 4 16.1 139°.29 1°.2/17.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 0.16	−15 55.7	2.673	3.476	11.0	21.5
3 22	13 55.32	−15 45.5	2.591	3.483	8.5	21.4
4 1	13 48.96	−15 25.1	2.533	3.491	5.5	21.2
4 11	13 41.63	−14 56.1	2.504	3.497	2.5	21.0
4 21	13 33.97	−14 21.3	2.503	3.504	1.7	20.9
5 1	13 26.68	−13 44.4	2.532	3.510	4.6	21.1
5 11	13 20.40	−13 9.3	2.588	3.517	7.6	21.3
5 21	13 15.56	−12 39.4	2.670	3.522	10.2	21.5

246200 2007 RN_{132} 4 16.1 232°.19 1°.5/14.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 0.25	− 7 40.4	2.204	3.039	11.9	21.1
3 22	13 55.70	− 7 6.1	2.119	3.034	8.9	20.8
4 1	13 49.35	− 6 24.3	2.058	3.029	5.5	20.6
4 11	13 41.80	− 5 39.0	2.025	3.023	2.1	20.4
4 21	13 33.80	− 4 54.6	2.020	3.017	2.9	20.4
5 1	13 26.18	− 4 15.9	2.044	3.011	6.5	20.6
5 11	13 19.70	− 3 47.2	2.094	3.005	9.9	20.8
5 21	13 14.92	− 3 31.0	2.166	2.999	13.0	21.0

183533 2003 GG_{29} 4 16.1 45°.96 8°.3/11.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 12.15	+15 40.8	2.015	2.833	13.6	19.2
3 22	14 4.37	+15 51.5	1.963	2.847	11.2	19.0
4 1	13 54.53	+15 48.9	1.936	2.862	9.2	18.9
4 11	13 43.50	+15 27.4	1.935	2.877	8.3	18.9
4 21	13 32.30	+14 44.4	1.961	2.892	9.1	19.0
5 1	13 21.95	+13 40.0	2.015	2.907	11.1	19.1
5 11	13 13.30	+12 16.8	2.094	2.923	13.4	19.3
5 21	13 6.82	+10 39.0	2.195	2.939	15.5	19.5

231353 2006 GW_{11} 4 16.1 342°.74 2°.0/14.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 0.77	− 6 30.5	1.623	2.474	14.7	19.7
3 22	13 56.69	− 6 11.5	1.545	2.468	11.0	19.5
4 1	13 50.24	− 5 45.0	1.489	2.462	6.8	19.2
4 11	13 42.16	− 5 15.6	1.459	2.457	2.7	19.0
4 21	13 33.45	− 4 48.5	1.454	2.452	3.7	19.0
5 1	13 25.25	− 4 29.1	1.476	2.448	8.0	19.3
5 11	13 18.60	− 4 21.7	1.522	2.445	12.2	19.5
5 21	13 14.16	− 4 28.8	1.589	2.442	15.9	19.7

448220 2008 UJ_{327} 4 16.1 102°.16 15°.1/ 4.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 14.06	+29 5.5	1.620	2.411	17.5	20.5
3 22	14 6.22	+30 35.1	1.603	2.434	16.0	20.4
4 1	13 55.77	+31 36.3	1.606	2.455	15.2	20.4
4 11	13 43.90	+32 0.0	1.630	2.477	15.3	20.5
4 21	13 32.03	+31 42.6	1.674	2.498	16.2	20.6
5 1	13 21.46	+30 45.5	1.739	2.518	17.6	20.7
5 11	13 13.18	+29 14.9	1.821	2.537	19.1	20.9
5 21	13 7.62	+27 19.0	1.918	2.556	20.5	21.1

392642 2011 UV_{130} 4 16.1 117°.81 2°.7/18.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 1.56	−19 52.3	2.541	3.328	12.0	21.0
3 22	13 56.54	−20 6.3	2.455	3.333	9.5	20.8
4 1	13 49.81	−20 8.0	2.393	3.337	6.6	20.6
4 11	13 41.96	−19 58.1	2.358	3.342	3.9	20.4
4 21	13 33.69	−19 38.2	2.351	3.346	2.8	20.4
5 1	13 25.78	−19 11.6	2.373	3.351	5.0	20.5
5 11	13 18.95	−18 42.4	2.423	3.355	7.8	20.7
5 21	13 13.72	−18 14.7	2.497	3.359	10.5	20.9

371683 2007 DP_{33} 4 16.1 117°.82 3°.2/18.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 5.28	−19 2.0	1.861	2.663	15.1	21.0
3 22	13 59.91	−19 23.8	1.781	2.668	12.0	20.8
4 1	13 52.17	−19 30.5	1.723	2.673	8.3	20.6
4 11	13 42.82	−19 22.3	1.690	2.677	4.7	20.4
4 21	13 32.87	−19 1.1	1.685	2.682	3.4	20.3
5 1	13 23.44	−18 31.3	1.707	2.686	6.3	20.5
5 11	13 15.56	−17 58.8	1.755	2.691	10.1	20.7
5 21	13 9.89	−17 29.4	1.826	2.695	13.5	20.9

313645 2003 SC_{103} 4 16.1 206°.17 5°.1/20.4 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 7.21	−25 32.9	2.084	2.847	15.0	21.4
3 22	14 1.38	−25 57.1	1.987	2.842	12.4	21.2
4 1	13 53.15	−26 2.9	1.911	2.835	9.3	21.0
4 11	13 43.19	−25 48.9	1.860	2.828	6.4	20.8
4 21	13 32.48	−25 15.9	1.836	2.820	5.1	20.7
5 1	13 22.16	−24 27.6	1.841	2.812	6.8	20.8
5 11	13 13.28	−23 30.8	1.872	2.802	9.8	20.9
5 21	13 6.59	−22 32.6	1.927	2.792	13.0	21.1

77107 2001 DK_{70} 4 16.2 47°.74 1°.0/15.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 1.91	−10 42.7	1.343	2.196	17.1	19.5
3 22	13 57.77	−10 7.9	1.284	2.207	12.8	19.2
4 1	13 50.94	− 9 19.0	1.246	2.219	7.9	19.0
4 11	13 42.39	− 8 21.9	1.232	2.231	2.6	18.7
4 21	13 33.34	− 7 23.8	1.243	2.244	3.2	18.7
5 1	13 25.11	− 6 32.7	1.279	2.256	8.3	19.1
5 11	13 18.81	− 5 55.5	1.339	2.270	12.9	19.4
5 21	13 15.06	− 5 35.6	1.419	2.283	16.8	19.6

120475 1992 EF_{16} 4 16.2 84°.99 3°.0/13.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 2.78	− 7 3.7	1.404	2.259	16.3	20.0
3 22	13 58.26	− 5 57.5	1.346	2.272	12.1	19.8
4 1	13 51.17	− 4 40.5	1.310	2.284	7.4	19.5
4 11	13 42.45	− 3 20.6	1.299	2.296	3.4	19.3
4 21	13 33.29	− 2 6.6	1.315	2.309	4.9	19.4
5 1	13 24.95	− 1 7.0	1.355	2.321	9.3	19.7
5 11	13 18.48	− 0 27.5	1.419	2.333	13.6	20.0
5 21	13 14.46	− 0 10.0	1.503	2.345	17.2	20.2

402144 2004 RR_{28} 4 16.2 215°.12 1°.9/17.6 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 6.75	−16 48.4	1.874	2.681	14.9	22.4
3 22	14 1.10	−16 45.9	1.780	2.673	11.6	22.2
4 1	13 53.00	−16 28.4	1.708	2.664	7.8	21.9
4 11	13 43.15	−15 57.1	1.662	2.655	3.6	21.7
4 21	13 32.55	−15 15.0	1.644	2.644	2.5	21.6
5 1	13 22.36	−14 27.5	1.654	2.633	6.5	21.8
5 11	13 13.66	−13 41.2	1.691	2.621	10.7	22.0
5 21	13 7.21	−13 2.1	1.751	2.609	14.4	22.2

79461 1997 YX_{7} 4 16.2 54°.68 1°.3/14.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	13 59.75	− 8 31.0	2.011	2.850	12.8	18.9
3 22	13 55.37	− 7 59.2	1.942	2.859	9.5	18.7
4 1	13 49.14	− 7 19.2	1.897	2.868	5.8	18.5
4 11	13 41.73	− 6 35.4	1.878	2.877	2.1	18.3
4 21	13 33.95	− 5 52.4	1.888	2.886	2.8	18.4
5 1	13 26.69	− 5 15.3	1.925	2.896	6.5	18.6
5 11	13 20.71	− 4 48.3	1.988	2.905	10.1	18.9
5 21	13 16.53	− 4 33.8	2.073	2.915	13.1	19.1

12458 1997 AR_{1} 4 16.2 323°.68 2°.5/14.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 0.24	− 6 49.6	1.286	2.151	16.9	17.7
3 22	13 56.99	− 6 21.9	1.205	2.135	12.8	17.4
4 1	13 50.80	− 5 43.6	1.143	2.119	8.0	17.1
4 11	13 42.47	− 5 0.1	1.105	2.103	3.2	16.8
4 21	13 33.18	− 4 18.8	1.091	2.089	4.5	16.8
5 1	13 24.38	− 3 47.6	1.101	2.075	9.8	17.0
5 11	13 17.43	− 3 32.9	1.133	2.062	14.8	17.3
5 21	13 13.21	− 3 37.9	1.183	2.050	19.3	17.5

87342 2000 QR_{23} 4 16.2 309°.68 0°.7/16.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 2.08	−12 27.1	1.516	2.357	16.1	19.2
3 22	13 58.26	−12 31.7	1.414	2.329	12.5	18.9
4 1	13 51.61	−12 23.7	1.332	2.301	8.1	18.6
4 11	13 42.79	−12 4.6	1.275	2.273	3.1	18.2
4 21	13 32.82	−11 38.2	1.243	2.245	2.5	18.1
5 1	13 23.07	−11 9.9	1.237	2.218	7.9	18.3
5 11	13 14.87	−10 46.6	1.254	2.192	13.0	18.6
5 21	13 9.23	−10 33.7	1.292	2.166	17.6	18.8

332826 2009 XG_{18} 4 16.2 125°.26 1°.5/14.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 1.66	− 7 57.9	2.035	2.871	12.8	21.2
3 22	13 56.80	− 7 24.9	1.962	2.877	9.5	21.0
4 1	13 50.04	− 6 44.1	1.914	2.884	5.8	20.8
4 11	13 42.05	− 5 59.7	1.892	2.890	2.2	20.5
4 21	13 33.67	− 5 16.5	1.899	2.896	3.0	20.6
5 1	13 25.79	− 4 39.6	1.933	2.902	6.7	20.8
5 11	13 19.22	− 4 13.1	1.994	2.908	10.3	21.1
5 21	13 14.48	− 3 59.4	2.078	2.913	13.3	21.3

53158 1999 CW_{1} 4 16.2 167°.53 4°.7/19.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 7.89	−23 3.9	2.055	2.829	14.8	18.7
3 22	14 1.81	−23 42.5	1.968	2.832	12.1	18.6
4 1	13 53.37	−24 5.2	1.903	2.835	8.9	18.4
4 11	13 43.27	−24 10.6	1.863	2.837	5.9	18.2
4 21	13 32.48	−23 59.3	1.852	2.839	4.7	18.1
5 1	13 22.15	−23 34.6	1.868	2.841	6.6	18.2
5 11	13 13.29	−23 2.1	1.912	2.842	9.7	18.4
5 21	13 6.62	−22 28.0	1.979	2.842	12.8	18.6

9035 1990 SH_{1} 4 16.2 183°.15 0°.1/16.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 0.56	−13 20.0	2.704	3.514	10.7	19.2
3 22	13 55.61	−12 38.5	2.615	3.515	8.1	19.0
4 1	13 49.16	−11 46.8	2.551	3.515	5.1	18.8
4 11	13 41.73	−10 47.8	2.516	3.514	1.8	18.6
4 21	13 33.97	− 9 45.4	2.512	3.513	1.6	18.5
5 1	13 26.56	− 8 44.4	2.537	3.511	5.0	18.8
5 11	13 20.12	− 7 49.2	2.591	3.508	8.0	19.0
5 21	13 15.12	− 7 3.3	2.670	3.505	10.7	19.1

347909 2002 XL_{18} 4 16.2 117°.93 2°.3/17.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 5.69	−17 56.8	1.465	2.286	17.6	21.2
3 22	14 0.61	−17 45.5	1.396	2.297	13.7	21.0
4 1	13 52.75	−17 14.2	1.347	2.306	9.1	20.8
4 11	13 43.05	−16 25.3	1.323	2.316	4.3	20.5
4 21	13 32.75	−15 23.9	1.324	2.325	2.9	20.4
5 1	13 23.23	−14 18.0	1.352	2.334	7.3	20.7
5 11	13 15.66	−13 16.4	1.404	2.342	11.8	21.0
5 21	13 10.74	−12 26.2	1.478	2.350	15.8	21.3

297476 2000 TX_{31} 4 16.2 152°.01 1°.1/17.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 3.54	−13 56.9	2.589	3.393	11.3	20.9
3 22	13 57.93	−14 8.1	2.503	3.397	8.7	20.7
4 1	13 50.65	−14 10.9	2.443	3.401	5.6	20.5
4 11	13 42.27	−14 6.5	2.410	3.405	2.4	20.3
4 21	13 33.48	−13 56.7	2.407	3.409	1.7	20.3
5 1	13 25.05	−13 44.4	2.435	3.412	4.8	20.5
5 11	13 17.69	−13 33.0	2.490	3.415	7.9	20.7
5 21	13 11.90	−13 25.4	2.570	3.418	10.7	20.9

32195 2000 NT_{28} 4 16.2 102°.36 2°.9/12.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	13 59.60	− 2 56.3	2.383	3.224	11.0	18.8
3 22	13 54.92	− 2 5.8	2.321	3.239	8.1	18.6
4 1	13 48.71	− 1 12.0	2.284	3.253	5.1	18.5
4 11	13 41.57	− 0 19.8	2.276	3.267	3.0	18.4
4 21	13 34.17	+ 0 26.4	2.296	3.282	4.1	18.5
5 1	13 27.24	+ 1 2.3	2.344	3.295	6.9	18.7
5 11	13 21.41	+ 1 25.2	2.419	3.309	9.7	18.9
5 21	13 17.10	+ 1 33.9	2.516	3.322	12.1	19.0

248635 2006 FJ_{52} 4 16.2 313°.18 3°.7/19.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	13 55.16	−27 15.0	1.287	2.097	20.1	19.3
3 22	13 53.43	−25 52.5	1.183	2.073	16.5	18.9
4 1	13 48.71	−23 44.0	1.099	2.048	11.9	18.6
4 11	13 41.79	−20 49.5	1.037	2.024	6.7	18.2
4 21	13 33.86	−17 17.4	1.001	2.001	3.8	18.0
5 1	13 26.46	−13 26.1	0.991	1.978	8.2	18.1
5 11	13 20.97	− 9 39.1	1.007	1.957	14.1	18.4
5 21	13 18.31	− 6 17.0	1.046	1.936	19.5	18.6

137700 1999 XV_{72} 4 16.2 202°.67 0°.2/15.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 3.51	−12 6.6	1.990	2.814	13.5	21.3
3 22	13 58.39	−11 35.2	1.903	2.810	10.2	21.1
4 1	13 51.15	−10 51.8	1.839	2.806	6.4	20.9
4 11	13 42.49	− 9 59.8	1.802	2.801	2.2	20.6
4 21	13 33.27	− 9 3.9	1.794	2.795	2.2	20.6
5 1	13 24.49	− 8 10.2	1.814	2.789	6.5	20.8
5 11	13 17.07	− 7 24.4	1.860	2.782	10.4	21.0
5 21	13 11.61	− 6 50.5	1.930	2.774	13.9	21.2

472845 2015 FE_{278} 4 16.2 306°.84 1°.5/17.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 5.04	−13 12.5	1.804	2.627	14.7	20.5
3 22	14 0.01	−13 41.4	1.705	2.609	11.4	20.2
4 1	13 52.46	−14 1.0	1.628	2.591	7.5	20.0
4 11	13 43.03	−14 11.8	1.577	2.573	3.3	19.7
4 21	13 32.69	−14 15.3	1.553	2.555	2.4	19.6
5 1	13 22.62	−14 14.7	1.557	2.537	6.7	19.8
5 11	13 13.97	−14 14.3	1.587	2.520	11.1	20.0
5 21	13 7.57	−14 18.4	1.639	2.503	14.9	20.2

346157 2007 VW_{281} 4 16.2 76°.31 0°.4/15.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 0.33	−10 42.5	2.143	2.972	12.5	21.4
3 22	13 55.75	−10 20.4	2.069	2.979	9.3	21.2
4 1	13 49.37	− 9 49.2	2.019	2.987	5.8	21.0
4 11	13 41.83	− 9 12.3	1.996	2.994	1.9	20.7
4 21	13 33.92	− 8 33.7	2.001	3.002	2.1	20.7
5 1	13 26.48	− 7 58.0	2.035	3.009	5.9	21.0
5 11	13 20.27	− 7 29.4	2.095	3.017	9.4	21.2
5 21	13 15.78	− 7 11.0	2.178	3.024	12.4	21.4

417464 2006 QY_{64} 4 16.2 200°.17 1°.2/17.2 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 4.51	−15 36.0	2.129	2.936	13.3	23.0
3 22	13 59.07	−15 20.0	2.037	2.932	10.3	22.7
4 1	13 51.55	−14 50.7	1.968	2.928	6.7	22.5
4 11	13 42.63	−14 10.3	1.927	2.922	2.8	22.2
4 21	13 33.15	−13 22.2	1.915	2.916	2.0	22.2
5 1	13 24.08	−12 31.7	1.931	2.909	5.8	22.4
5 11	13 16.30	−11 44.4	1.975	2.902	9.6	22.6
5 21	13 10.44	−11 5.2	2.043	2.894	12.9	22.8

505497 2013 WW_{64} 4 16.2 186°.35 5°.8/10.5 18

3 12	14 2.59	+ 6 1.4	2.184	3.027	11.7	20.7
3 22	13 57.38	+ 6 56.7	2.116	3.027	9.1	20.5
4 1	13 50.36	+ 7 49.2	2.073	3.027	6.8	20.4
4 11	13 42.17	+ 8 32.7	2.056	3.026	5.8	20.3
4 21	13 33.61	+ 9 2.1	2.068	3.025	7.0	20.4
5 1	13 25.53	+ 9 13.7	2.106	3.023	9.5	20.5
5 11	13 18.68	+ 9 6.3	2.168	3.021	12.1	20.7
5 21	13 13.57	+ 8 40.5	2.251	3.019	14.5	20.9

435223 2007 RC_{289} 4 16.2 147°.81 0°.5/16.8 17

3 12	13 58.89	−15 7.8	2.356	3.170	12.0	21.7
3 22	13 54.57	−14 28.3	2.274	3.175	9.1	21.5
4 1	13 48.60	−13 36.2	2.216	3.179	5.8	21.3
4 11	13 41.57	−12 34.8	2.186	3.183	2.2	21.1
4 21	13 34.19	−11 28.5	2.184	3.186	1.7	21.0
5 1	13 27.22	−10 22.6	2.212	3.190	5.2	21.3
5 11	13 21.36	− 9 22.5	2.267	3.193	8.6	21.5
5 21	13 17.07	− 8 32.3	2.346	3.196	11.5	21.7

48894 1998 KR_{56} 4 16.2 248°.31 1°.9/14.6 18

3 12	14 3.57	− 9 20.1	1.532	2.376	15.8	19.3
3 22	13 59.10	− 8 25.6	1.443	2.362	11.9	19.0
4 1	13 51.95	− 7 16.3	1.376	2.348	7.4	18.7
4 11	13 42.86	− 5 58.0	1.334	2.333	2.8	18.4
4 21	13 32.92	− 4 38.5	1.319	2.317	4.0	18.4
5 1	13 23.44	− 3 27.1	1.331	2.301	9.0	18.6
5 11	13 15.63	− 2 31.5	1.366	2.284	13.7	18.9
5 21	13 10.29	− 1 56.6	1.422	2.267	17.9	19.1

283419 2000 SK_{201} 4 16.2 257°.12 2°.0/19.8 18

3 12	13 54.81	−22 15.1	4.810	5.570	7.1	21.0
3 22	13 50.87	−22 22.2	4.701	5.558	5.7	20.8
4 1	13 46.05	−22 21.7	4.617	5.547	4.1	20.7
4 11	13 40.66	−22 14.3	4.561	5.535	2.7	20.6
4 21	13 35.03	−22 0.6	4.535	5.524	2.0	20.5
5 1	13 29.53	−21 42.4	4.539	5.512	3.0	20.6
5 11	13 24.52	−21 21.5	4.572	5.500	4.5	20.7
5 21	13 20.28	−21 0.0	4.632	5.488	6.1	20.8

45434 2000 AX_{173} 4 16.2 242°.39 1°.4/14.8 18

3 12	14 2.22	− 9 58.2	1.965	2.797	13.3	20.1
3 22	13 57.53	− 9 3.5	1.868	2.781	10.0	19.8
4 1	13 50.71	− 7 56.2	1.795	2.764	6.2	19.6
4 11	13 42.37	− 6 40.9	1.748	2.747	2.2	19.3
4 21	13 33.39	− 5 23.8	1.731	2.729	3.1	19.3
5 1	13 24.76	− 4 12.1	1.742	2.710	7.3	19.5
5 11	13 17.41	− 3 12.3	1.779	2.691	11.4	19.7
5 21	13 12.00	− 2 28.7	1.838	2.671	14.9	19.9

307038 2001 XJ_{225} 4 16.2 210°.79 2°.5/13.8 18

3 12	14 3.86	− 4 5.1	2.242	3.076	11.8	21.5
3 22	13 58.39	− 3 31.6	2.155	3.069	8.9	21.3
4 1	13 51.05	− 2 53.3	2.094	3.062	5.6	21.1
4 11	13 42.44	− 2 14.6	2.059	3.054	2.8	20.9
4 21	13 33.35	− 1 39.9	2.055	3.046	3.8	20.9
5 1	13 24.65	− 1 13.6	2.079	3.037	7.1	21.1
5 11	13 17.12	− 0 59.1	2.129	3.027	10.4	21.3
5 21	13 11.33	− 0 57.9	2.202	3.017	13.4	21.5

411858 2012 DL_{83} 4 16.2 152°.81 1°.7/14.5 16

3 12	14 3.45	− 8 12.6	2.033	2.865	12.9	22.4
3 22	13 58.13	− 7 21.2	1.961	2.874	9.6	22.2
4 1	13 50.86	− 6 21.0	1.913	2.883	5.9	22.0
4 11	13 42.36	− 5 16.8	1.893	2.890	2.3	21.7
4 21	13 33.48	− 4 14.4	1.901	2.898	3.2	21.8
5 1	13 25.15	− 3 19.8	1.939	2.904	7.0	22.1
5 11	13 18.16	− 2 37.6	2.002	2.909	10.6	22.3
5 21	13 13.06	− 2 10.4	2.089	2.914	13.6	22.5

480474 2015 LP_{14} 4 16.2 274°.67 3°.7/11.9 16

3 12	13 59.42	+ 0 12.9	2.534	3.376	10.4	21.7
3 22	13 54.97	+ 1 1.3	2.436	3.352	7.9	21.5
4 1	13 48.90	+ 1 52.2	2.363	3.328	5.3	21.3
4 11	13 41.71	+ 2 40.7	2.318	3.304	3.7	21.2
4 21	13 34.04	+ 3 22.3	2.302	3.280	4.9	21.2
5 1	13 26.59	+ 3 52.7	2.315	3.255	7.6	21.3
5 11	13 20.08	+ 4 8.9	2.353	3.230	10.4	21.5
5 21	13 15.02	+ 4 9.7	2.413	3.204	13.0	21.6

281030 2006 GF_{30} 4 16.2 295°.25 1°.6/14.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	13 57.42	−10 35.3	1.879	2.720	13.4	20.2
3 22	13 53.97	− 9 24.6	1.786	2.705	10.1	20.0
4 1	13 48.49	− 7 59.5	1.718	2.690	6.2	19.7
4 11	13 41.61	− 6 25.3	1.676	2.675	2.2	19.4
4 21	13 34.15	− 4 49.5	1.663	2.660	3.3	19.5
5 1	13 27.06	− 3 20.3	1.677	2.645	7.5	19.7
5 11	13 21.25	− 2 5.1	1.716	2.631	11.6	19.9
5 21	13 17.32	− 1 8.7	1.777	2.616	15.1	20.1

284793 2008 YQ_{80} 4 16.2 9°.19 1°.6/14.7 17

3 12	14 0.41	− 7 22.7	2.009	2.849	12.7	21.2
3 22	13 55.96	− 6 54.5	1.932	2.849	9.5	21.0
4 1	13 49.59	− 6 19.0	1.878	2.849	5.8	20.8
4 11	13 41.95	− 5 40.3	1.852	2.850	2.2	20.6
4 21	13 33.86	− 5 3.1	1.853	2.850	3.1	20.6
5 1	13 26.24	− 4 32.1	1.882	2.851	6.8	20.9
5 11	13 19.88	− 4 11.4	1.936	2.852	10.4	21.1
5 21	13 15.35	− 4 3.5	2.013	2.853	13.6	21.3

406528 2007 VV_{273} 4 16.2 149°.07 2°.2/14.3 16

3 12	14 4.29	− 7 5.1	1.886	2.722	13.6	22.5
3 22	13 58.89	− 6 16.0	1.816	2.731	10.1	22.3
4 1	13 51.40	− 5 18.7	1.770	2.740	6.2	22.1
4 11	13 42.57	− 4 18.4	1.751	2.748	2.6	21.9
4 21	13 33.33	− 3 21.2	1.760	2.755	3.7	22.0
5 1	13 24.68	− 2 33.0	1.798	2.762	7.5	22.2
5 11	13 17.50	− 1 58.4	1.861	2.768	11.2	22.5
5 21	13 12.34	− 1 39.9	1.946	2.773	14.4	22.7

132481 2002 JK_{22} 4 16.2 268°.92 2°.2/14.4 18

3 12	14 4.87	− 4 29.1	2.097	2.931	12.5	19.5
3 22	13 59.44	− 4 15.9	1.997	2.911	9.4	19.2
4 1	13 51.89	− 3 58.4	1.921	2.890	5.9	19.0
4 11	13 42.81	− 3 40.1	1.873	2.869	2.6	18.7
4 21	13 33.03	− 3 25.0	1.853	2.848	3.6	18.8
5 1	13 23.54	− 3 17.0	1.862	2.827	7.3	18.9
5 11	13 15.25	− 3 19.4	1.898	2.805	11.0	19.1
5 21	13 8.85	− 3 33.9	1.956	2.783	14.4	19.3

353896 2012 XM_{39} 4 16.2 167°.35 0°.2/15.9 18

3 12	13 59.58	−11 39.6	2.717	3.533	10.5	22.4
3 22	13 54.87	−11 10.0	2.633	3.537	7.9	22.2
4 1	13 48.71	−10 32.1	2.575	3.540	4.9	22.0
4 11	13 41.62	− 9 48.6	2.545	3.543	1.7	21.8
4 21	13 34.21	− 9 3.0	2.545	3.546	1.7	21.8
5 1	13 27.15	− 8 19.2	2.574	3.548	4.9	22.0
5 11	13 21.05	− 7 41.1	2.632	3.550	7.9	22.2
5 21	13 16.33	− 7 11.5	2.714	3.551	10.5	22.4

340485 2006 HN_{78} 4 16.2 284°.70 0°.5/15.7 17

3 12	13 59.17	−12 21.8	2.001	2.832	13.2	21.3
3 22	13 55.29	−11 35.6	1.897	2.808	10.0	21.1
4 1	13 49.35	−10 35.2	1.816	2.784	6.3	20.8
4 11	13 41.94	− 9 24.3	1.762	2.760	2.1	20.5
4 21	13 33.86	− 8 8.5	1.735	2.736	2.4	20.4
5 1	13 26.05	− 6 54.5	1.737	2.712	6.8	20.7
5 11	13 19.44	− 5 49.4	1.765	2.687	10.8	20.9
5 21	13 14.68	− 4 58.1	1.815	2.663	14.5	21.0

402158 2004 RW_{203} 4 16.2 251°.76 1°.2/17.1 17

3 12	14 2.93	−16 38.0	1.636	2.459	16.0	21.4
3 22	13 58.58	−16 3.4	1.540	2.444	12.4	21.1
4 1	13 51.63	−15 8.9	1.465	2.428	8.1	20.8
4 11	13 42.78	−13 57.2	1.415	2.412	3.4	20.5
4 21	13 33.10	−12 33.7	1.393	2.395	2.3	20.4
5 1	13 23.82	−11 7.1	1.397	2.378	7.3	20.6
5 11	13 16.13	− 9 46.8	1.427	2.360	12.1	20.9
5 21	13 10.83	− 8 40.4	1.478	2.342	16.3	21.1

36061 Haldane 4 16.2 59°.53 1°.6/14.5 18

3 12	13 58.71	− 7 0.7	2.310	3.147	11.4	19.1
3 22	13 54.43	− 6 26.5	2.236	3.152	8.5	18.9
4 1	13 48.52	− 5 46.1	2.187	3.157	5.2	18.7
4 11	13 41.58	− 5 3.3	2.165	3.163	2.1	18.5
4 21	13 34.30	− 4 22.5	2.172	3.168	2.9	18.6
5 1	13 27.44	− 3 48.0	2.207	3.174	6.2	18.8
5 11	13 21.67	− 3 23.3	2.269	3.179	9.3	19.0
5 21	13 17.46	− 3 10.4	2.353	3.185	12.1	19.2

188303 2003 EJ_{45} 4 16.2 308°.01 7°.9/21.4 18

3 12	14 6.95	−28 30.3	1.752	2.514	17.5	19.5
3 22	14 1.83	−29 41.5	1.662	2.507	14.8	19.3
4 1	13 53.80	−30 33.0	1.591	2.501	11.9	19.1
4 11	13 43.59	−31 0.5	1.544	2.496	9.2	18.9
4 21	13 32.32	−31 2.1	1.521	2.490	7.9	18.9
5 1	13 21.42	−30 39.9	1.524	2.484	9.0	18.9
5 11	13 12.23	−30 0.6	1.551	2.479	11.7	19.0
5 21	13 5.71	−29 12.9	1.601	2.474	14.8	19.2

376189 2011 CG_{62} 4 16.2 235°.84 4°.3/11.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 0.69	− 1 18.2	1.987	2.835	12.5	21.8
3 22	13 56.25	− 0 5.2	1.905	2.826	9.4	21.6
4 1	13 49.83	+ 1 12.9	1.848	2.816	6.2	21.4
4 11	13 42.08	+ 2 29.1	1.819	2.806	4.4	21.2
4 21	13 33.81	+ 3 36.7	1.817	2.796	5.8	21.3
5 1	13 25.96	+ 4 29.3	1.843	2.785	9.0	21.5
5 11	13 19.36	+ 5 2.7	1.893	2.774	12.4	21.6
5 21	13 14.60	+ 5 15.7	1.964	2.762	15.3	21.8

39571 Pückler 4 16.2 210°.43 1°.6/17.7 17

3 12	14 3.25	−17 40.8	1.882	2.692	14.7	19.5
3 22	13 58.41	−17 13.9	1.791	2.687	11.4	19.3
4 1	13 51.29	−16 29.6	1.723	2.681	7.6	19.1
4 11	13 42.61	−15 30.1	1.681	2.675	3.5	18.8
4 21	13 33.31	−14 20.1	1.666	2.668	2.3	18.7
5 1	13 24.47	−13 6.3	1.680	2.660	6.3	18.9
5 11	13 17.08	−11 56.3	1.720	2.652	10.4	19.2
5 21	13 11.80	−10 56.6	1.783	2.644	14.1	19.4

337229 2000 FP_{50} 4 16.2 322°.65 0°.5/16.6 17

3 12	14 0.21	−13 35.7	2.073	2.896	13.0	21.2
3 22	13 55.83	−13 15.6	1.990	2.896	9.9	20.9
4 1	13 49.54	−12 43.7	1.931	2.896	6.3	20.7
4 11	13 41.97	−12 2.8	1.898	2.895	2.4	20.5
4 21	13 33.93	−11 16.9	1.893	2.895	1.9	20.4
5 1	13 26.33	−10 31.2	1.916	2.895	5.8	20.7
5 11	13 19.97	− 9 50.9	1.966	2.894	9.5	20.9
5 21	13 15.41	− 9 20.1	2.038	2.894	12.8	21.1

317997 2004 BU_{147} 4 16.2 119°.46 0°.8/16.8 18

3 12	14 5.00	−14 19.5	1.830	2.649	14.7	21.5
3 22	13 59.52	−14 1.3	1.761	2.663	11.2	21.3
4 1	13 51.84	−13 29.7	1.714	2.677	7.1	21.1
4 11	13 42.75	−12 47.5	1.694	2.690	2.8	20.9
4 21	13 33.24	−11 59.5	1.701	2.703	2.0	20.9
5 1	13 24.37	−11 11.3	1.737	2.716	6.3	21.2
5 11	13 17.07	−10 29.1	1.799	2.727	10.3	21.4
5 21	13 11.90	− 9 57.2	1.884	2.739	13.7	21.6

150616 2000 YV_{43} 4 16.2 226°.44 2°.7/19.7 18

3 12	14 0.00	−22 55.1	3.317	4.079	10.0	21.6
3 22	13 55.13	−22 49.6	3.205	4.065	8.0	21.4
4 1	13 48.89	−22 32.1	3.118	4.051	5.8	21.3
4 11	13 41.73	−22 3.2	3.059	4.036	3.6	21.1
4 21	13 34.17	−21 24.4	3.029	4.020	2.7	21.0
5 1	13 26.82	−20 38.6	3.029	4.004	4.2	21.1
5 11	13 20.25	−19 49.6	3.058	3.988	6.5	21.2
5 21	13 14.91	−19 1.2	3.114	3.971	8.8	21.4

182548 2001 TS_{83} 4 16.2 249°.54 0°.7/17.6 18

3 12	13 52.45	−16 4.8	4.440	5.236	7.1	20.6
3 22	13 49.14	−15 43.0	4.344	5.233	5.4	20.4
4 1	13 45.00	−15 14.5	4.275	5.230	3.5	20.3
4 11	13 40.33	−14 40.9	4.234	5.227	1.6	20.1
4 21	13 35.48	−14 3.8	4.223	5.224	1.0	20.1
5 1	13 30.80	−13 25.5	4.242	5.221	2.9	20.2
5 11	13 26.64	−12 48.5	4.291	5.218	4.9	20.4
5 21	13 23.26	−12 14.7	4.366	5.215	6.6	20.5

135167 2001 QZ_{252} 4 16.2 145°.45 1°.4/17.8 18

3 12	14 1.96	−16 34.9	2.781	3.576	10.9	21.0
3 22	13 56.64	−16 30.6	2.699	3.586	8.4	20.8
4 1	13 49.81	−16 16.2	2.642	3.595	5.5	20.6
4 11	13 42.03	−15 53.1	2.612	3.604	2.6	20.5
4 21	13 33.92	−15 23.7	2.612	3.613	1.8	20.4
5 1	13 26.18	−14 51.3	2.643	3.621	4.5	20.6
5 11	13 19.43	−14 19.8	2.701	3.628	7.3	20.8
5 21	13 14.13	−13 52.3	2.785	3.636	9.9	21.0

134272 2006 BW_{145} 4 16.2 309°.99 2°.8/18.5 18

3 12	14 2.27	−18 50.9	1.874	2.682	14.8	19.9
3 22	13 57.70	−18 57.0	1.789	2.680	11.7	19.7
4 1	13 50.87	−18 47.2	1.726	2.678	8.0	19.5
4 11	13 42.48	−18 22.5	1.688	2.677	4.3	19.3
4 21	13 33.47	−17 45.7	1.676	2.675	3.0	19.2
5 1	13 24.93	−17 1.7	1.693	2.674	6.2	19.4
5 11	13 17.83	−16 17.0	1.734	2.672	10.0	19.6
5 21	13 12.84	−15 37.4	1.799	2.671	13.5	19.8

297506 2000 WE_{188} 4 16.2 169°.09 1°.8/14.0 18

3 12	13 59.43	− 5 7.8	2.945	3.774	9.4	21.7
3 22	13 54.63	− 4 35.6	2.865	3.777	7.0	21.5
4 1	13 48.52	− 3 59.4	2.812	3.780	4.3	21.3
4 11	13 41.57	− 3 22.5	2.787	3.783	2.0	21.2
4 21	13 34.35	− 2 48.2	2.793	3.785	2.8	21.2
5 1	13 27.44	− 2 19.7	2.828	3.787	5.4	21.4
5 11	13 21.41	− 1 59.7	2.890	3.789	8.0	21.6
5 21	13 16.63	− 1 49.6	2.977	3.790	10.3	21.7

322014 2010 UK_{95} 4 16.2 251°.79 2°.8/13.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 3.27	− 5 49.7	1.839	2.681	13.7	21.1
3 22	13 58.49	− 4 57.2	1.744	2.663	10.3	20.9
4 1	13 51.42	− 3 55.5	1.673	2.644	6.4	20.6
4 11	13 42.70	− 2 49.9	1.629	2.625	3.1	20.4
4 21	13 33.26	− 1 47.3	1.612	2.605	4.4	20.4
5 1	13 24.16	− 0 54.4	1.623	2.584	8.5	20.6
5 11	13 16.43	− 0 16.9	1.659	2.563	12.5	20.8
5 21	13 10.77	+ 0 2.1	1.717	2.542	16.1	21.0

414112 2007 UD_{23} 4 16.2 264°.27 2°.7/14.3 17

3 12	14 5.13	− 5 33.3	1.622	2.468	15.0	20.7
3 22	14 0.21	− 5 2.0	1.530	2.450	11.3	20.5
4 1	13 52.65	− 4 22.7	1.461	2.432	7.1	20.2
4 11	13 43.17	− 3 40.4	1.417	2.414	3.2	19.9
4 21	13 32.81	− 3 1.2	1.400	2.395	4.4	19.9
5 1	13 22.83	− 2 31.5	1.409	2.375	8.9	20.1
5 11	13 14.42	− 2 16.6	1.443	2.356	13.4	20.3
5 21	13 8.40	− 2 19.1	1.497	2.336	17.4	20.5

126957 2002 FQ_{13} 4 16.2 100°.93 6°.8/10.2 18

3 12	14 5.66	+ 8 45.9	2.027	2.866	12.7	20.0
3 22	13 59.59	+ 9 41.8	1.982	2.888	10.0	19.8
4 1	13 51.66	+10 31.2	1.962	2.908	7.7	19.7
4 11	13 42.65	+11 7.5	1.968	2.929	6.8	19.7
4 21	13 33.44	+11 26.2	2.002	2.949	7.9	19.8
5 1	13 24.94	+11 24.5	2.062	2.968	10.2	20.0
5 11	13 17.89	+11 2.6	2.145	2.987	12.7	20.2
5 21	13 12.76	+10 22.5	2.250	3.006	14.9	20.4

119466 2001 UK_5 4 16.2 126°.79 0°.3/15.9 18

3 12	14 3.13	−11 13.2	1.875	2.705	13.9	20.2
3 22	13 58.13	−10 51.0	1.801	2.712	10.5	20.0
4 1	13 51.01	−10 18.1	1.750	2.718	6.5	19.8
4 11	13 42.50	− 9 37.9	1.725	2.724	2.2	19.5
4 21	13 33.52	− 8 55.1	1.729	2.730	2.3	19.5
5 1	13 25.10	− 8 15.2	1.760	2.736	6.6	19.8
5 11	13 18.13	− 7 43.3	1.817	2.741	10.5	20.1
5 21	13 13.17	− 7 22.8	1.897	2.746	13.8	20.3

367186 2006 YR_{34} 4 16.2 145°.36 0°.6/15.7 16

3 12	14 4.10	−10 23.1	2.050	2.875	13.1	22.3
3 22	13 58.66	− 9 57.5	1.976	2.884	9.8	22.1
4 1	13 51.25	− 9 22.4	1.925	2.893	6.1	21.9
4 11	13 42.57	− 8 41.5	1.902	2.901	2.0	21.6
4 21	13 33.48	− 7 59.0	1.908	2.908	2.3	21.7
5 1	13 24.92	− 7 20.0	1.942	2.915	6.3	22.0
5 11	13 17.72	− 6 49.2	2.003	2.922	10.0	22.2
5 21	13 12.41	− 6 29.6	2.087	2.928	13.1	22.4

211482 2003 FN_{19} 4 16.2 0°.53 1°.6/14.8 18

3 12	13 56.78	− 5 58.0	2.194	3.030	12.0	19.8
3 22	13 56.78	− 5 45.0	2.115	3.030	8.9	19.6
4 1	13 50.07	− 5 27.2	2.060	3.030	5.5	19.4
4 11	13 42.17	− 5 7.8	2.032	3.030	2.2	19.2
4 21	13 33.83	− 4 50.4	2.033	3.030	2.9	19.2
5 1	13 25.92	− 4 38.6	2.062	3.030	6.4	19.5
5 11	13 19.19	− 4 35.4	2.117	3.030	9.8	19.7
5 21	13 14.17	− 4 42.6	2.196	3.031	12.7	19.9

115212 2003 SW_{125} 4 16.2 201°.55 1°.4/14.8 18

3 12	14 1.12	− 8 6.4	2.264	3.095	11.8	20.2
3 22	13 56.34	− 7 32.3	2.179	3.092	8.8	20.0
4 1	13 49.79	− 6 50.6	2.120	3.089	5.4	19.8
4 11	13 42.07	− 6 5.1	2.088	3.086	2.0	19.6
4 21	13 33.92	− 5 20.2	2.085	3.082	2.7	19.6
5 1	13 26.16	− 4 40.6	2.110	3.078	6.3	19.8
5 11	13 19.53	− 4 10.4	2.163	3.074	9.7	20.0
5 21	13 14.57	− 3 52.2	2.238	3.069	12.6	20.2

182966 2002 LC_4 4 16.2 8°.78 5°.5/12.2 18

3 12	14 2.69	− 0 2.3	1.413	2.276	15.8	19.8
3 22	13 58.35	+ 0 57.0	1.349	2.276	11.9	19.6
4 1	13 51.39	+ 1 59.3	1.307	2.277	8.0	19.3
4 11	13 42.68	+ 2 56.3	1.289	2.277	5.6	19.2
4 21	13 33.38	+ 3 39.6	1.297	2.278	7.2	19.3
5 1	13 24.79	+ 4 2.8	1.329	2.279	11.0	19.5
5 11	13 18.00	+ 4 2.8	1.383	2.281	15.0	19.7
5 21	13 13.69	+ 3 40.1	1.456	2.282	18.5	20.0

283178 2009 SF_1 4 16.2 295°.47 2°.6/11.3 18

3 12	13 52.11	+ 1 6.4	4.165	5.005	6.7	20.7
3 22	13 48.94	+ 1 52.7	4.077	4.992	5.0	20.6
4 1	13 44.91	+ 2 39.6	4.016	4.979	3.4	20.4
4 11	13 40.33	+ 3 24.5	3.985	4.967	2.6	20.4
4 21	13 35.55	+ 4 4.5	3.983	4.954	3.3	20.4
5 1	13 30.93	+ 4 37.4	4.011	4.942	5.0	20.5
5 11	13 26.82	+ 5 1.3	4.065	4.929	6.7	20.6
5 21	13 23.52	+ 5 15.4	4.143	4.917	8.3	20.7

132535 2002 JC_{67} 4 16.2 198°.81 11°.1/ 3.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 10.34	+29 46.2	2.554	3.319	12.5	19.7
3 22	14 3.00	+30 45.3	2.507	3.315	11.6	19.6
4 1	13 53.77	+31 26.0	2.482	3.312	11.1	19.6
4 11	13 43.40	+31 41.8	2.480	3.308	11.3	19.6
4 21	13 32.77	+31 29.2	2.502	3.303	12.1	19.6
5 1	13 22.81	+30 47.6	2.547	3.298	13.3	19.7
5 11	13 14.29	+29 39.6	2.611	3.292	14.6	19.8
5 21	13 7.70	+28 9.4	2.694	3.286	15.9	19.9

114929 2003 QU_{43} 4 16.2 243°.25 1°.3/15.1 17

3 12	14 3.29	− 9 47.8	1.772	2.609	14.3	20.7
3 22	13 58.58	− 9 5.7	1.680	2.595	10.8	20.5
4 1	13 51.50	− 8 11.2	1.611	2.581	6.7	20.2
4 11	13 42.75	− 7 8.8	1.568	2.567	2.4	19.9
4 21	13 33.28	− 6 4.6	1.553	2.552	3.1	19.9
5 1	13 24.20	− 5 5.8	1.566	2.537	7.7	20.1
5 11	13 16.57	− 4 18.8	1.603	2.521	12.0	20.4
5 21	13 11.11	− 3 47.9	1.662	2.505	15.8	20.6

492214 2013 SN_{44} 4 16.2 218°.75 1°.7/14.3 17

3 12	14 0.49	− 9 14.5	2.120	2.953	12.4	22.2
3 22	13 56.02	− 8 7.1	2.032	2.946	9.3	22.0
4 1	13 49.66	− 6 48.4	1.968	2.938	5.7	21.8
4 11	13 42.05	− 5 23.6	1.932	2.930	2.2	21.5
4 21	13 33.96	− 3 59.0	1.925	2.921	3.3	21.6
5 1	13 26.25	− 2 41.5	1.947	2.911	7.0	21.8
5 11	13 19.74	− 1 37.1	1.995	2.901	10.6	22.0
5 21	13 14.99	− 0 49.3	2.066	2.891	13.8	22.2

297841 2002 BK_{22} 4 16.2 147°.89 3°.6/20.8 18

3 12	14 0.99	−25 35.7	2.999	3.750	11.1	21.6
3 22	13 55.93	−25 39.1	2.911	3.759	9.1	21.5
4 1	13 49.40	−25 28.5	2.847	3.768	6.8	21.4
4 11	13 41.91	−25 4.3	2.809	3.776	4.6	21.2
4 21	13 34.10	−24 28.0	2.800	3.784	3.6	21.2
5 1	13 26.64	−23 42.8	2.820	3.791	4.7	21.2
5 11	13 20.13	−22 53.0	2.869	3.798	6.9	21.4
5 21	13 15.03	−22 3.0	2.943	3.805	9.1	21.6

235824 2004 XL_{124} 4 16.2 139°.69 2°.2/18.1 18

3 12	14 6.14	−17 4.4	2.322	3.116	12.7	20.7
3 22	14 0.10	−17 22.1	2.241	3.126	9.9	20.5
4 1	13 52.13	−17 28.6	2.183	3.135	6.7	20.3
4 11	13 42.89	−17 24.4	2.153	3.143	3.4	20.1
4 21	13 33.20	−17 11.2	2.152	3.151	2.4	20.0
5 1	13 23.95	−16 52.5	2.181	3.159	5.3	20.2
5 11	13 15.96	−16 32.4	2.237	3.166	8.5	20.4
5 21	13 9.79	−16 15.0	2.318	3.173	11.5	20.6

174265 2002 RM_{239} 4 16.2 1°.79 4°.1/18.9 17

3 12	14 3.48	−20 2.5	1.446	2.265	17.9	20.0
3 22	13 59.26	−20 27.8	1.369	2.264	14.3	19.8
4 1	13 52.16	−20 33.6	1.311	2.264	10.1	19.5
4 11	13 43.02	−20 19.4	1.277	2.264	5.9	19.3
4 21	13 33.05	−19 47.8	1.267	2.264	4.3	19.2
5 1	13 23.69	−19 4.5	1.283	2.265	7.5	19.4
5 11	13 16.22	−18 17.9	1.322	2.266	11.9	19.6
5 21	13 11.45	−17 35.8	1.383	2.268	15.9	19.8

179580 2002 GQ_{125} 4 16.2 292°.65 1°.1/14.9 17

3 12	13 57.42	− 9 26.9	2.401	3.233	11.2	20.5
3 22	13 53.49	− 8 43.6	2.317	3.230	8.3	20.3
4 1	13 47.99	− 7 51.7	2.258	3.227	5.1	20.1
4 11	13 41.45	− 6 55.2	2.226	3.225	1.8	19.9
4 21	13 34.54	− 5 58.4	2.223	3.222	2.4	19.9
5 1	13 27.98	− 5 6.4	2.249	3.219	5.8	20.2
5 11	13 22.44	− 4 23.4	2.302	3.216	9.0	20.4
5 21	13 18.39	− 3 52.4	2.378	3.213	11.9	20.5

304722 2006 XZ_{21} 4 16.2 237°.30 4°.4/11.1 16

3 12	14 0.51	+ 4 2.4	2.750	3.588	9.8	21.3
3 22	13 55.62	+ 4 47.7	2.664	3.575	7.5	21.1
4 1	13 49.24	+ 5 32.2	2.604	3.561	5.4	21.0
4 11	13 41.88	+ 6 11.2	2.572	3.548	4.4	20.9
4 21	13 34.14	+ 6 40.9	2.569	3.533	5.4	20.9
5 1	13 26.69	+ 6 57.8	2.594	3.519	7.6	21.0
5 11	13 20.14	+ 7 0.2	2.646	3.504	10.0	21.2
5 21	13 14.97	+ 6 47.8	2.719	3.488	12.3	21.3

214793 2006 UX_{175} 4 16.2 94°.38 1°.9/13.9 18

3 12	13 58.88	− 6 49.3	2.463	3.297	10.9	20.4
3 22	13 54.38	− 5 54.1	2.401	3.316	8.0	20.3
4 1	13 48.41	− 4 52.9	2.365	3.335	4.9	20.1
4 11	13 41.55	− 3 50.4	2.357	3.353	2.2	19.9
4 21	13 34.48	− 2 51.1	2.378	3.372	3.1	20.0
5 1	13 27.87	− 1 59.8	2.429	3.390	6.1	20.3
5 11	13 22.32	− 1 19.9	2.506	3.408	8.9	20.5
5 21	13 18.23	− 0 53.3	2.607	3.425	11.4	20.7

297784 2001 XT_{249} 4 16.2 183°.28 4°.3/12.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 5.75	− 1 20.6	1.764	2.609	14.0	21.4
3 22	14 0.21	− 0 25.9	1.691	2.610	10.5	21.2
4 1	13 52.37	+ 0 32.8	1.642	2.610	6.9	21.0
4 11	13 43.01	+ 1 28.6	1.620	2.609	4.4	20.8
4 21	13 33.12	+ 2 15.0	1.625	2.608	5.8	20.9
5 1	13 23.82	+ 2 46.2	1.658	2.607	9.3	21.1
5 11	13 16.07	+ 2 58.8	1.714	2.604	13.0	21.3
5 21	13 10.50	+ 2 52.1	1.792	2.601	16.2	21.5

368696 2005 SA_{115} 4 16.2 146°.31 0°.5/15.7 17

3 12	14 1.02	−12 30.4	1.995	2.822	13.3	21.5
3 22	13 56.43	−11 36.0	1.919	2.829	10.0	21.3
4 1	13 49.90	−10 28.6	1.867	2.835	6.2	21.1
4 11	13 42.12	− 9 12.9	1.842	2.841	2.1	20.8
4 21	13 33.95	− 7 54.7	1.845	2.846	2.3	20.9
5 1	13 26.30	− 6 41.0	1.877	2.851	6.4	21.1
5 11	13 19.97	− 5 37.9	1.936	2.856	10.2	21.4
5 21	13 15.50	− 4 49.5	2.018	2.860	13.4	21.6

89465 2001 XF_{16} 4 16.2 41°.33 9°.3/27.4 18

3 12	14 1.64	−40 42.4	2.240	2.913	16.5	19.1
3 22	13 57.32	−41 18.4	2.157	2.920	14.7	18.9
4 1	13 50.67	−41 28.9	2.091	2.928	12.7	18.8
4 11	13 42.44	−41 10.8	2.046	2.936	10.8	18.7
4 21	13 33.64	−40 23.9	2.024	2.944	9.5	18.6
5 1	13 25.40	−39 11.5	2.027	2.953	9.3	18.6
5 11	13 18.71	−37 40.6	2.054	2.961	10.3	18.7
5 21	13 14.22	−35 59.8	2.105	2.970	12.1	18.8

16427 1988 EB_{2} 4 16.2 124°.15 1°.5/14.9 18

3 12	14 3.72	−10 5.2	1.661	2.499	15.0	18.0
3 22	13 58.72	− 9 7.5	1.595	2.512	11.2	17.8
4 1	13 51.42	− 7 57.4	1.553	2.523	6.9	17.6
4 11	13 42.67	− 6 40.7	1.536	2.535	2.4	17.3
4 21	13 33.50	− 5 24.9	1.548	2.546	3.3	17.4
5 1	13 25.02	− 4 17.7	1.586	2.556	7.7	17.7
5 11	13 18.19	− 3 25.3	1.650	2.566	11.8	18.0
5 21	13 13.57	− 2 51.0	1.735	2.576	15.3	18.2

501913 2014 WP_{478} 4 16.2 124°.59 10°.5/ 3.8 17

3 12	14 0.59	+17 15.7	1.911	2.750	13.3	21.4
3 22	13 56.17	+19 17.1	1.870	2.755	11.6	21.3
4 1	13 49.75	+21 5.8	1.852	2.760	10.6	21.2
4 11	13 42.07	+22 32.3	1.859	2.764	10.9	21.2
4 21	13 34.04	+23 29.7	1.890	2.769	12.2	21.3
5 1	13 26.61	+23 54.8	1.944	2.773	14.1	21.5
5 11	13 20.59	+23 48.3	2.016	2.777	16.1	21.6
5 21	13 16.50	+23 13.8	2.104	2.781	17.9	21.8

308568 2005 UU_{396} 4 16.2 222°.17 4°.9/10.7 18

3 12	14 1.69	+ 6 46.6	2.770	3.605	9.8	20.8
3 22	13 56.44	+ 7 23.2	2.692	3.598	7.7	20.7
4 1	13 49.72	+ 7 56.6	2.639	3.590	5.7	20.5
4 11	13 42.05	+ 8 22.5	2.615	3.583	4.9	20.5
4 21	13 34.05	+ 8 37.3	2.619	3.575	5.8	20.5
5 1	13 26.38	+ 8 38.3	2.652	3.567	7.9	20.6
5 11	13 19.65	+ 8 24.5	2.710	3.558	10.1	20.8
5 21	13 14.32	+ 7 56.3	2.790	3.550	12.2	20.9

226295 2003 BH_{61} 4 16.2 78°.81 2°.2/19.1 18

3 12	13 58.08	−20 26.4	3.162	3.942	10.0	20.7
3 22	13 53.60	−20 22.5	3.089	3.962	7.9	20.6
4 1	13 47.88	−20 7.9	3.039	3.982	5.5	20.5
4 11	13 41.39	−19 43.7	3.018	4.001	3.2	20.3
4 21	13 34.67	−19 12.0	3.025	4.021	2.2	20.3
5 1	13 28.30	−18 35.8	3.062	4.040	3.9	20.4
5 11	13 22.79	−17 58.6	3.128	4.060	6.3	20.6
5 21	13 18.51	−17 23.7	3.219	4.079	8.5	20.8

258318 2001 UW_{203} 4 16.2 102°.47 1°.1/17.2 17

3 12	14 4.12	−15 39.3	1.954	2.767	14.1	21.6
3 22	13 58.72	−15 19.9	1.889	2.787	10.8	21.4
4 1	13 51.30	−14 46.9	1.846	2.806	7.0	21.2
4 11	13 42.60	−14 2.9	1.830	2.825	2.9	21.0
4 21	13 33.57	−13 12.4	1.842	2.844	2.0	20.9
5 1	13 25.18	−12 21.1	1.882	2.862	5.8	21.2
5 11	13 18.26	−11 34.6	1.949	2.879	9.5	21.5
5 21	13 13.34	−10 57.5	2.040	2.896	12.7	21.7

287604 2003 GQ_{24} 4 16.2 343°.03 4°.4/13.3 17

3 12	13 57.16	− 4 50.4	1.038	1.921	18.5	20.1
3 22	13 55.09	− 3 55.7	0.970	1.910	13.9	19.7
4 1	13 49.83	− 2 49.1	0.922	1.900	8.8	19.4
4 11	13 42.28	− 1 40.1	0.894	1.891	4.7	19.1
4 21	13 33.80	− 0 39.5	0.889	1.883	6.6	19.2
5 1	13 26.00	+ 0 2.2	0.906	1.877	11.9	19.5
5 11	13 20.34	+ 0 18.1	0.942	1.872	17.1	19.7
5 21	13 17.67	+ 0 6.4	0.995	1.869	21.6	20.0

438398 2006 UH_{131} 4 16.2 212°.22 0°.3/16.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 0.16	−13 8.0	2.707	3.518	10.7	22.2
3 22	13 55.42	−12 49.5	2.612	3.512	8.1	22.0
4 1	13 49.16	−12 22.0	2.543	3.506	5.1	21.8
4 11	13 41.88	−11 47.6	2.502	3.500	1.9	21.5
4 21	13 34.20	−11 9.4	2.491	3.493	1.5	21.5
5 1	13 26.82	−10 31.1	2.509	3.486	4.8	21.7
5 11	13 20.37	− 9 56.5	2.555	3.478	7.9	21.9
5 21	13 15.34	− 9 28.8	2.626	3.470	10.6	22.1

276944 2004 TX_{251} 4 16.2 206°.89 0°.5/16.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	13 58.31	−13 56.3	3.171	3.976	9.4	22.3
3 22	13 53.83	−13 35.2	3.075	3.971	7.2	22.2
4 1	13 48.08	−13 5.8	3.004	3.965	4.6	22.0
4 11	13 41.48	−12 30.0	2.963	3.959	1.8	21.8
4 21	13 34.57	−11 50.5	2.951	3.953	1.3	21.7
5 1	13 27.91	−11 10.5	2.969	3.946	4.1	21.9
5 11	13 22.03	−10 33.4	3.016	3.939	6.8	22.1
5 21	13 17.34	−10 2.0	3.088	3.931	9.2	22.2

60727 2000 GO_{75} 4 16.2 274°.28 1°.3/15.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 5.43	− 8 41.3	1.482	2.327	16.2	19.2
3 22	14 0.75	− 8 24.7	1.390	2.309	12.3	18.9
4 1	13 53.17	− 7 57.2	1.319	2.290	7.7	18.6
4 11	13 43.44	− 7 22.7	1.273	2.272	2.7	18.2
4 21	13 32.69	− 6 46.6	1.253	2.253	3.4	18.2
5 1	13 22.30	− 6 15.7	1.258	2.233	8.7	18.4
5 11	13 13.63	− 5 56.3	1.288	2.214	13.7	18.7
5 21	13 7.59	− 5 52.3	1.338	2.194	18.1	18.9

316304 2010 RY_{63} 4 16.2 272°.80 1°.9/14.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 1.64	− 9 29.0	1.650	2.493	14.9	20.9
3 22	13 57.59	− 8 31.1	1.552	2.471	11.3	20.6
4 1	13 51.04	− 7 18.3	1.477	2.449	7.0	20.3
4 11	13 42.66	− 5 55.9	1.427	2.426	2.6	20.0
4 21	13 33.43	− 4 31.4	1.405	2.403	3.8	20.0
5 1	13 24.53	− 3 13.9	1.410	2.379	8.6	20.2
5 11	13 17.10	− 2 11.4	1.439	2.355	13.2	20.4
5 21	13 11.94	− 1 28.9	1.488	2.331	17.3	20.6

355619 2008 DV_{45} 4 16.2 26°.24 1°.0/17.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 2.57	−13 25.9	2.283	3.097	12.3	20.4
3 22	13 57.48	−13 38.6	2.200	3.099	9.4	20.2
4 1	13 50.54	−13 42.3	2.140	3.101	6.1	20.0
4 11	13 42.38	−13 38.5	2.108	3.104	2.5	19.8
4 21	13 33.76	−13 29.3	2.104	3.106	1.8	19.7
5 1	13 25.52	−13 17.8	2.130	3.109	5.3	19.9
5 11	13 18.46	−13 7.7	2.182	3.111	8.7	20.2
5 21	13 13.11	−13 2.3	2.258	3.114	11.7	20.3

342344 2008 TD_{157} 4 16.2 295°.25 1°.6/17.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 5.17	−13 49.2	1.788	2.610	14.9	20.7
3 22	14 0.21	−14 12.0	1.687	2.590	11.6	20.4
4 1	13 52.69	−14 24.4	1.608	2.570	7.6	20.1
4 11	13 43.26	−14 26.8	1.555	2.550	3.4	19.8
4 21	13 32.87	−14 21.2	1.529	2.531	2.4	19.7
5 1	13 22.74	−14 11.1	1.530	2.511	6.8	19.9
5 11	13 14.03	−14 1.6	1.557	2.491	11.2	20.1
5 21	13 7.59	−13 57.1	1.607	2.472	15.1	20.3

342401 2008 UG_{54} 4 16.2 311°.28 3°.8/13.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 2.21	− 1 37.6	1.722	2.574	13.9	20.0
3 22	13 57.80	− 1 10.0	1.635	2.558	10.5	19.8
4 1	13 51.05	− 0 39.2	1.571	2.541	6.8	19.5
4 11	13 42.63	− 0 10.7	1.533	2.525	4.0	19.3
4 21	13 33.50	+ 0 10.1	1.521	2.510	5.3	19.3
5 1	13 24.77	+ 0 18.1	1.535	2.494	9.0	19.5
5 11	13 17.47	+ 0 10.0	1.574	2.480	13.0	19.7
5 21	13 12.32	− 0 15.1	1.633	2.465	16.5	19.9

308419 2005 SZ_{120} 4 16.2 245°.60 2°.5/18.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 1.22	−19 20.1	2.518	3.308	12.0	20.7
3 22	13 56.44	−19 28.9	2.421	3.302	9.5	20.5
4 1	13 49.90	−19 25.5	2.348	3.295	6.6	20.3
4 11	13 42.17	−19 10.6	2.302	3.288	3.7	20.1
4 21	13 33.94	−18 45.8	2.284	3.281	2.7	20.1
5 1	13 26.01	−18 14.6	2.295	3.274	5.0	20.2
5 11	13 19.12	−17 41.3	2.334	3.267	8.0	20.4
5 21	13 13.82	−17 10.1	2.397	3.259	10.9	20.5

74889 1999 TU_{116} 4 16.2 286°.85 1°.9/14.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 0.90	− 9 26.9	1.533	2.382	15.5	19.7
3 22	13 57.21	− 8 34.7	1.438	2.360	11.8	19.4
4 1	13 50.89	− 7 27.3	1.365	2.338	7.3	19.1
4 11	13 42.63	− 6 10.1	1.317	2.316	2.7	18.7
4 21	13 33.47	− 4 50.8	1.295	2.293	3.9	18.7
5 1	13 24.66	− 3 38.6	1.299	2.271	8.9	19.0
5 11	13 17.40	− 2 41.7	1.327	2.248	13.8	19.2
5 21	13 12.55	− 2 5.4	1.374	2.225	18.0	19.4

497948 2006 WR_{150} 4 16.2 25°.83 0°.3/15.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	13 58.45	−12 59.9	1.279	2.135	17.6	19.9
3 22	13 55.37	−12 18.8	1.220	2.144	13.3	19.7
4 1	13 49.60	−11 20.0	1.182	2.155	8.3	19.4
4 11	13 42.10	−10 9.3	1.167	2.166	2.8	19.1
4 21	13 34.08	− 8 55.2	1.177	2.178	2.8	19.1
5 1	13 26.86	− 7 47.0	1.211	2.192	8.1	19.5
5 11	13 21.53	− 6 53.0	1.268	2.206	12.9	19.8
5 21	13 18.72	− 6 17.6	1.345	2.221	16.9	20.1

134026 2004 VC_{71} 4 16.2 352°.27 0°.5/16.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 0.89	−13 41.1	1.860	2.688	14.1	20.1
3 22	13 56.58	−13 20.2	1.779	2.687	10.8	19.9
4 1	13 50.15	−12 46.1	1.721	2.687	6.9	19.6
4 11	13 42.28	−12 1.9	1.689	2.687	2.6	19.4
4 21	13 33.88	−11 12.2	1.684	2.686	2.0	19.3
5 1	13 25.96	−10 22.8	1.707	2.686	6.3	19.6
5 11	13 19.44	− 9 39.7	1.755	2.686	10.3	19.8
5 21	13 14.92	− 9 7.3	1.826	2.686	13.8	20.0

30870 1992 EW_{15} 4 16.2 81°.46 0°.1/16.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	13 59.28	−12 14.0	2.255	3.080	12.1	19.0
3 22	13 54.94	−11 45.2	2.179	3.087	9.1	18.8
4 1	13 48.91	−11 6.3	2.128	3.095	5.7	18.6
4 11	13 41.80	−10 20.6	2.104	3.102	2.0	18.4
4 21	13 34.34	− 9 32.2	2.108	3.110	1.9	18.4
5 1	13 27.31	− 8 45.9	2.141	3.117	5.5	18.7
5 11	13 21.43	− 8 6.3	2.200	3.125	8.9	18.9
5 21	13 17.18	− 7 36.7	2.284	3.132	11.8	19.1

430250 2013 WR_{19} 4 16.2 197°.42 3°.4/13.0 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 1.85	− 2 5.5	2.111	2.954	12.1	21.6
3 22	13 56.98	− 1 21.8	2.034	2.952	9.1	21.4
4 1	13 50.24	− 0 34.7	1.982	2.950	5.8	21.2
4 11	13 42.28	+ 0 10.7	1.957	2.949	3.5	21.0
4 21	13 33.89	+ 0 49.4	1.961	2.946	4.7	21.1
5 1	13 25.95	+ 1 16.8	1.992	2.944	7.8	21.3
5 11	13 19.22	+ 1 29.7	2.048	2.941	11.0	21.5
5 21	13 14.27	+ 1 27.0	2.127	2.938	13.9	21.7

269321 2008 SA_{177} 4 16.2 242°.29 3°.1/13.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 0.73	− 3 47.2	2.127	2.969	12.0	21.3
3 22	13 56.22	− 2 53.2	2.040	2.958	9.0	21.1
4 1	13 49.83	− 1 53.3	1.977	2.947	5.7	20.9
4 11	13 42.16	− 0 52.8	1.943	2.936	3.2	20.7
4 21	13 33.99	+ 0 2.7	1.936	2.924	4.5	20.8
5 1	13 26.19	+ 0 47.5	1.958	2.912	7.8	20.9
5 11	13 19.55	+ 1 17.8	2.005	2.900	11.1	21.1
5 21	13 14.64	+ 1 31.3	2.074	2.887	14.1	21.3

432397 2009 YT_{1} 4 16.2 164°.75 4°.7/21.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 3.18	−27 49.7	2.442	3.190	13.5	22.2
3 22	13 57.97	−27 51.1	2.352	3.195	11.1	22.1
4 1	13 50.86	−27 33.9	2.284	3.199	8.5	21.9
4 11	13 42.50	−26 58.0	2.241	3.204	6.0	21.8
4 21	13 33.70	−26 5.2	2.226	3.207	4.7	21.7
5 1	13 25.33	−24 59.8	2.240	3.210	5.8	21.7
5 11	13 18.20	−23 48.0	2.281	3.212	8.3	21.9
5 21	13 12.86	−22 36.2	2.348	3.214	10.9	22.1

371022 2005 UU_{63} 4 16.2 83°.79 0°.5/16.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 1.83	−14 35.1	1.789	2.615	14.7	21.6
3 22	13 57.21	−14 1.5	1.723	2.630	11.1	21.4
4 1	13 50.45	−13 13.4	1.679	2.645	7.1	21.2
4 11	13 42.35	−12 14.6	1.662	2.659	2.6	20.9
4 21	13 33.87	−11 10.7	1.672	2.674	2.0	20.9
5 1	13 26.04	−10 8.3	1.709	2.688	6.4	21.2
5 11	13 19.71	− 9 14.1	1.772	2.703	10.3	21.5
5 21	13 15.45	− 8 32.3	1.858	2.717	13.7	21.7

58485 1996 TH_{13} 4 16.2 249°.02 1°.0/17.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 2.29	−15 18.6	2.119	2.932	13.2	20.3
3 22	13 57.57	−14 57.7	2.017	2.916	10.2	20.1
4 1	13 50.78	−14 23.1	1.938	2.899	6.6	19.8
4 11	13 42.53	−13 37.0	1.886	2.882	2.7	19.6
4 21	13 33.64	−12 43.1	1.863	2.865	1.9	19.5
5 1	13 25.05	−11 46.8	1.868	2.847	5.9	19.7
5 11	13 17.66	−10 54.2	1.900	2.828	9.8	19.9
5 21	13 12.13	−10 10.3	1.955	2.809	13.3	20.1

420254 2011 JJ_{12} 4 16.2 280°.01 6°.0/10.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 1.14	+ 4 21.0	2.037	2.886	12.2	21.0
3 22	13 56.70	+ 5 28.7	1.946	2.862	9.5	20.8
4 1	13 50.24	+ 6 37.1	1.880	2.838	7.0	20.6
4 11	13 42.35	+ 7 38.9	1.840	2.814	6.0	20.4
4 21	13 33.82	+ 8 27.5	1.828	2.789	7.4	20.5
5 1	13 25.61	+ 8 57.4	1.841	2.764	10.3	20.6
5 11	13 18.57	+ 9 5.6	1.879	2.739	13.4	20.7
5 21	13 13.36	+ 8 51.8	1.936	2.714	16.2	20.9

501099 2013 ST_{81} 4 16.2 163°.85 1°.8/14.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 3.47	− 5 28.5	2.455	3.283	11.1	22.0
3 22	13 57.91	− 5 2.4	2.377	3.288	8.3	21.8
4 1	13 50.70	− 4 31.7	2.325	3.293	5.1	21.6
4 11	13 42.43	− 3 59.8	2.301	3.298	2.2	21.5
4 21	13 33.81	− 3 30.5	2.307	3.302	3.0	21.5
5 1	13 25.60	− 3 7.6	2.343	3.305	6.1	21.7
5 11	13 18.50	− 2 53.8	2.405	3.308	9.2	21.9
5 21	13 12.99	− 2 50.9	2.492	3.310	11.9	22.1

246952 1999 RC_{201} 4 16.2 226°.09 7°.3/22.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 7.71	−31 23.1	2.092	2.822	15.9	21.0
3 22	14 2.07	−32 2.7	1.988	2.811	13.6	20.8
4 1	13 53.83	−32 21.3	1.904	2.799	11.1	20.6
4 11	13 43.66	−32 15.5	1.844	2.786	8.6	20.4
4 21	13 32.58	−31 44.6	1.810	2.773	7.3	20.3
5 1	13 21.81	−30 51.4	1.802	2.759	8.1	20.4
5 11	13 12.54	−29 42.8	1.821	2.744	10.5	20.5
5 21	13 5.59	−28 27.3	1.863	2.728	13.4	20.6

34953 1008 $T\text{-}_{2}$ 4 16.2 165°.24 2°.9/19.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 2.30	−21 3.2	2.685	3.462	11.7	20.1
3 22	13 57.10	−21 14.5	2.595	3.465	9.3	19.9
4 1	13 50.25	−21 13.4	2.529	3.468	6.6	19.7
4 11	13 42.29	−21 0.2	2.490	3.471	4.0	19.5
4 21	13 33.92	−20 36.6	2.480	3.473	2.9	19.5
5 1	13 25.88	−20 5.6	2.499	3.475	4.8	19.6
5 11	13 18.88	−19 31.6	2.546	3.477	7.5	19.8
5 21	13 13.41	−18 58.6	2.618	3.478	10.1	19.9

213774 2003 DK_{15} 4 16.2 117°.78 0°.9/16.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 7.75	−12 8.5	2.471	3.274	11.8	20.0
3 22	14 1.17	−12 34.5	2.389	3.284	9.0	19.8
4 1	13 52.77	−12 53.6	2.334	3.293	5.8	19.6
4 11	13 43.17	−13 6.4	2.307	3.302	2.3	19.4
4 21	13 33.15	−13 14.4	2.310	3.311	1.7	19.3
5 1	13 23.54	−13 19.9	2.344	3.320	5.1	19.6
5 11	13 15.13	−13 25.7	2.406	3.329	8.3	19.8
5 21	13 8.44	−13 34.4	2.494	3.337	11.1	20.0

284117 2005 UF_{79} 4 16.2 140°.11 1°.1/17.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 0.44	−18 2.4	1.975	2.786	14.1	20.4
3 22	13 56.09	−17 8.1	1.895	2.792	10.8	20.2
4 1	13 49.75	−15 55.8	1.838	2.797	7.1	20.0
4 11	13 42.14	−14 29.2	1.808	2.803	3.0	19.7
4 21	13 34.12	−12 54.4	1.806	2.808	1.9	19.7
5 1	13 26.63	−11 19.0	1.833	2.813	5.9	19.9
5 11	13 20.50	− 9 51.0	1.887	2.817	9.8	20.2
5 21	13 16.26	− 8 36.1	1.964	2.821	13.1	20.4

341875 2008 GX_{56} 4 16.2 311°.69 0°.4/15.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	13 53.85	− 9 5.7	4.066	4.886	7.2	20.7
3 22	13 50.28	− 8 50.3	3.972	4.879	5.4	20.6
4 1	13 45.79	− 8 30.8	3.905	4.873	3.3	20.4
4 11	13 40.71	− 8 8.8	3.867	4.866	1.1	20.2
4 21	13 35.42	− 7 46.4	3.859	4.859	1.3	20.2
5 1	13 30.29	− 7 25.7	3.881	4.853	3.5	20.4
5 11	13 25.73	− 7 8.7	3.931	4.846	5.6	20.6
5 21	13 22.00	− 6 56.9	4.007	4.840	7.5	20.7

316564 2011 FJ_{88} 4 16.2 324°.22 0°.1/16.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 0.31	−12 34.7	1.752	2.587	14.5	21.3
3 22	13 56.30	−12 7.1	1.670	2.583	11.0	21.1
4 1	13 50.06	−11 26.2	1.611	2.579	6.9	20.8
4 11	13 42.30	−10 35.4	1.577	2.575	2.4	20.5
4 21	13 33.95	− 9 40.2	1.570	2.572	2.3	20.5
5 1	13 26.09	− 8 47.0	1.590	2.568	6.8	20.8
5 11	13 19.67	− 8 2.1	1.635	2.565	11.0	21.0
5 21	13 15.33	− 7 30.1	1.702	2.562	14.7	21.2

56778 2000 OM_{39} 4 16.2 277°.51 1°.4/14.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	13 59.84	−10 34.9	1.843	2.682	13.8	18.7
3 22	13 55.97	− 9 34.6	1.744	2.661	10.4	18.4
4 1	13 49.91	− 8 19.6	1.668	2.639	6.5	18.1
4 11	13 42.28	− 6 55.0	1.619	2.618	2.3	17.8
4 21	13 33.94	− 5 27.5	1.598	2.596	3.2	17.8
5 1	13 25.93	− 4 5.4	1.604	2.574	7.7	18.0
5 11	13 19.21	− 2 56.0	1.635	2.552	11.9	18.2
5 21	13 14.49	− 2 4.6	1.688	2.529	15.7	18.4

513067 2017 WN_{19} 4 16.2 12°.85 4°.6/11.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	13 59.54	+ 2 31.1	2.261	3.108	11.2	21.0
3 22	13 55.12	+ 3 21.0	2.191	3.109	8.5	20.9
4 1	13 49.03	+ 4 10.7	2.147	3.109	6.0	20.7
4 11	13 41.88	+ 4 54.7	2.129	3.110	4.6	20.6
4 21	13 34.38	+ 5 28.2	2.139	3.110	5.8	20.7
5 1	13 27.30	+ 5 47.4	2.176	3.110	8.3	20.8
5 11	13 21.33	+ 5 50.2	2.238	3.111	11.1	21.0
5 21	13 16.95	+ 5 36.6	2.322	3.112	13.5	21.2

206946 2004 RO_{173} 4 16.2 215°.74 0°.3/16.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 3.37	−14 39.2	1.716	2.541	15.2	20.5
3 22	13 58.71	−13 57.3	1.629	2.536	11.7	20.3
4 1	13 51.62	−12 58.2	1.564	2.529	7.4	20.0
4 11	13 42.87	−11 45.7	1.524	2.522	2.7	19.7
4 21	13 33.44	−10 25.9	1.513	2.515	2.3	19.7
5 1	13 24.52	− 9 6.9	1.529	2.507	7.1	19.9
5 11	13 17.14	− 7 56.7	1.570	2.498	11.6	20.2
5 21	13 12.01	− 7 1.4	1.634	2.489	15.4	20.4

425139 2009 SO_{257} 4 16.2 128°.82 0°.3/16.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 1.91	−15 28.6	2.331	3.139	12.3	21.9
3 22	13 56.79	−14 32.4	2.259	3.156	9.3	21.7
4 1	13 50.00	−13 23.1	2.211	3.173	5.9	21.5
4 11	13 42.19	−12 4.5	2.192	3.189	2.2	21.3
4 21	13 34.12	−10 41.8	2.202	3.204	1.7	21.3
5 1	13 26.57	− 9 21.1	2.243	3.219	5.3	21.5
5 11	13 20.22	− 8 8.3	2.311	3.233	8.7	21.8
5 21	13 15.53	− 7 7.5	2.405	3.246	11.6	22.0

178612 2000 EQ_{74} 4 16.2 127°.36 2°.8/18.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 4.48	−18 17.5	1.682	2.495	16.0	20.7
3 22	13 59.61	−18 27.5	1.602	2.496	12.6	20.5
4 1	13 52.22	−18 20.9	1.543	2.498	8.6	20.2
4 11	13 43.08	−17 58.4	1.509	2.499	4.5	20.0
4 21	13 33.26	−17 23.0	1.501	2.500	3.1	19.9
5 1	13 23.99	−16 40.2	1.520	2.502	6.7	20.1
5 11	13 16.37	−15 57.1	1.564	2.503	10.8	20.3
5 21	13 11.12	−15 20.0	1.631	2.504	14.6	20.6

374320 2005 TG_{7} 4 16.2 97°.46 6°.0/21.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 7.03	−27 37.8	1.954	2.712	16.1	20.7
3 22	14 1.24	−28 10.9	1.883	2.730	13.3	20.5
4 1	13 53.07	−28 23.4	1.833	2.748	10.2	20.4
4 11	13 43.32	−28 13.7	1.806	2.766	7.4	20.2
4 21	13 33.07	−27 43.2	1.806	2.784	6.0	20.2
5 1	13 23.46	−26 56.2	1.834	2.801	7.1	20.3
5 11	13 15.50	−25 59.9	1.887	2.818	9.7	20.5
5 21	13 9.82	−25 1.9	1.964	2.835	12.6	20.7

505967 2015 FD_{299} 4 16.2 291°.64 4°.7/11.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	13 58.81	+ 1 29.7	2.150	3.000	11.6	21.3
3 22	13 54.71	+ 2 32.4	2.075	2.995	8.8	21.1
4 1	13 48.85	+ 3 36.5	2.025	2.990	6.1	20.9
4 11	13 41.84	+ 4 35.9	2.003	2.984	4.7	20.8
4 21	13 34.42	+ 5 24.9	2.008	2.979	6.0	20.9
5 1	13 27.40	+ 5 58.5	2.039	2.974	8.7	21.0
5 11	13 21.52	+ 6 14.2	2.096	2.969	11.7	21.2
5 21	13 17.29	+ 6 11.4	2.173	2.964	14.3	21.4

208012 1998 SX_{87} 4 16.2 262°.01 2°.5/18.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 3.73	−18 11.9	2.213	3.010	13.2	20.3
3 22	13 58.68	−18 23.2	2.107	2.993	10.4	20.1
4 1	13 51.52	−18 21.6	2.024	2.975	7.2	19.8
4 11	13 42.85	−18 7.5	1.967	2.956	3.9	19.6
4 21	13 33.45	−17 42.7	1.939	2.938	2.7	19.5
5 1	13 24.29	−17 10.9	1.939	2.918	5.7	19.6
5 11	13 16.30	−16 37.0	1.967	2.899	9.3	19.8
5 21	13 10.17	−16 6.2	2.018	2.880	12.6	20.0

416359 2003 SZ_{357} 4 16.2 283°.34 0°.8/16.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 3.28	−13 59.7	1.537	2.371	16.3	22.1
3 22	13 59.14	−13 47.7	1.439	2.350	12.6	21.8
4 1	13 52.21	−13 19.7	1.362	2.329	8.2	21.5
4 11	13 43.18	−12 37.8	1.310	2.307	3.2	21.1
4 21	13 33.12	−11 46.7	1.283	2.285	2.4	21.0
5 1	13 23.37	−10 53.2	1.282	2.263	7.7	21.3
5 11	13 15.24	−10 5.6	1.306	2.242	12.8	21.5
5 21	13 9.64	− 9 30.1	1.350	2.220	17.2	21.7

389814 2011 VV_{22} 4 16.2 232°.35 3°.9/12.0 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 0.44	+ 1 22.6	2.531	3.371	10.4	20.9
3 22	13 55.69	+ 2 4.0	2.449	3.364	7.9	20.7
4 1	13 49.37	+ 2 45.9	2.393	3.356	5.4	20.6
4 11	13 42.02	+ 3 23.9	2.365	3.349	3.9	20.5
4 21	13 34.28	+ 3 53.7	2.365	3.341	4.9	20.5
5 1	13 26.89	+ 4 11.8	2.394	3.332	7.4	20.6
5 11	13 20.48	+ 4 16.1	2.448	3.324	10.1	20.8
5 21	13 15.54	+ 4 6.0	2.525	3.315	12.6	21.0

467666 2008 UZ_{95} 4 16.2 236°.60 2°.2/14.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 4.75	− 4 5.9	2.441	3.269	11.2	22.0
3 22	13 59.08	− 3 43.6	2.342	3.253	8.4	21.8
4 1	13 51.58	− 3 17.3	2.269	3.236	5.3	21.6
4 11	13 42.83	− 2 50.5	2.224	3.219	2.5	21.3
4 21	13 33.53	− 2 26.9	2.209	3.201	3.4	21.4
5 1	13 24.50	− 2 10.2	2.223	3.183	6.6	21.5
5 11	13 16.53	− 2 3.4	2.265	3.164	9.9	21.7
5 21	13 10.18	− 2 8.2	2.330	3.144	12.8	21.9

302361 2002 BQ_{31} 4 16.2 274°.94 2°.3/18.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 0.19	−18 56.2	2.420	3.216	12.2	21.1
3 22	13 55.72	−18 58.0	2.328	3.213	9.6	20.9
4 1	13 49.50	−18 47.1	2.260	3.209	6.6	20.7
4 11	13 42.09	−18 24.3	2.218	3.206	3.6	20.5
4 21	13 34.22	−17 52.1	2.204	3.202	2.5	20.4
5 1	13 26.69	−17 14.2	2.219	3.199	5.0	20.6
5 11	13 20.23	−16 35.3	2.261	3.195	8.2	20.8
5 21	13 15.38	−15 59.8	2.327	3.192	11.1	20.9

162622 2000 SZ_{118} 4 16.2 223°.69 1°.1/15.4 16

3 12	14 5.34	− 9 26.4	1.845	2.676	14.1	21.1
3 22	14 0.06	− 8 57.3	1.755	2.667	10.7	20.8
4 1	13 52.43	− 8 17.7	1.688	2.657	6.6	20.6
4 11	13 43.17	− 7 31.6	1.648	2.646	2.3	20.3
4 21	13 33.22	− 6 43.9	1.635	2.635	2.9	20.3
5 1	13 23.69	− 6 0.7	1.651	2.623	7.3	20.5
5 11	13 15.60	− 5 27.5	1.692	2.610	11.5	20.7
5 21	13 9.64	− 5 8.0	1.756	2.597	15.2	20.9

415937 2001 WB_6 4 16.2 109°.91 0°.7/16.9 18

3 12	14 3.78	−15 3.9	2.117	2.928	13.2	22.2
3 22	13 58.32	−14 30.5	2.052	2.950	10.0	22.1
4 1	13 51.01	−13 44.3	2.011	2.972	6.4	21.9
4 11	13 42.57	−12 48.6	1.997	2.993	2.5	21.7
4 21	13 33.86	−11 48.2	2.012	3.014	1.8	21.6
5 1	13 25.75	−10 48.6	2.056	3.034	5.6	21.9
5 11	13 19.01	− 9 55.3	2.128	3.053	9.1	22.2
5 21	13 14.10	− 9 12.5	2.223	3.072	12.1	22.4

55774 1993 FA_8 4 16.2 326°.07 2°.6/14.6 18

3 12	14 2.80	− 6 41.1	1.244	2.106	17.5	19.6
3 22	13 59.00	− 6 11.8	1.170	2.099	13.2	19.3
4 1	13 52.15	− 5 32.0	1.117	2.092	8.2	19.0
4 11	13 43.14	− 4 47.8	1.087	2.085	3.4	18.7
4 21	13 33.26	− 4 6.6	1.081	2.079	4.6	18.8
5 1	13 24.01	− 3 36.3	1.099	2.073	9.9	19.0
5 11	13 16.76	− 3 23.1	1.139	2.067	14.9	19.3
5 21	13 12.34	− 3 29.6	1.198	2.063	19.3	19.5

68018 2000 YQ_{12} 4 16.2 156°.58 1°.9/17.9 18

3 12	14 5.53	−17 38.5	1.934	2.738	14.6	20.5
3 22	14 0.01	−17 24.7	1.854	2.745	11.3	20.3
4 1	13 52.28	−16 55.2	1.797	2.752	7.5	20.1
4 11	13 43.08	−16 11.9	1.766	2.758	3.6	19.9
4 21	13 33.37	−15 18.8	1.763	2.764	2.3	19.8
5 1	13 24.22	−14 21.6	1.789	2.769	6.0	20.0
5 11	13 16.57	−13 27.1	1.841	2.773	9.9	20.3
5 21	13 11.01	−12 40.7	1.917	2.776	13.3	20.5

89633 2001 XM_{210} 4 16.2 214°.99 2°.4/13.7 18

3 12	14 2.58	− 4 55.8	2.391	3.223	11.2	20.7
3 22	13 57.42	− 4 7.8	2.301	3.214	8.4	20.5
4 1	13 50.53	− 3 13.9	2.235	3.204	5.3	20.3
4 11	13 42.46	− 2 18.4	2.199	3.193	2.6	20.1
4 21	13 33.92	− 1 26.3	2.191	3.182	3.7	20.2
5 1	13 25.72	− 0 42.4	2.213	3.170	6.9	20.3
5 11	13 18.59	− 0 10.5	2.262	3.157	10.1	20.5
5 21	13 13.07	+ 0 7.3	2.334	3.143	12.9	20.7

249669 1999 VC_{110} 4 16.2 137°.60 0°.5/16.7 16

3 12	14 4.39	−14 22.8	1.933	2.750	14.1	21.6
3 22	13 59.05	−13 52.9	1.860	2.762	10.7	21.4
4 1	13 51.61	−13 9.5	1.810	2.773	6.8	21.2
4 11	13 42.83	−12 15.8	1.786	2.783	2.6	21.0
4 21	13 33.63	−11 16.8	1.791	2.793	2.0	20.9
5 1	13 25.02	−10 18.5	1.825	2.803	6.2	21.2
5 11	13 17.86	− 9 27.1	1.885	2.812	10.0	21.5
5 21	13 12.73	− 8 47.0	1.969	2.820	13.4	21.7

389293 Hasubick 4 16.2 15°.20 15°.0/ 4.8 17

3 12	14 7.44	+30 5.9	1.646	2.443	17.0	19.1
3 22	14 1.53	+31 4.0	1.618	2.451	15.8	19.1
4 1	13 53.12	+31 34.6	1.608	2.460	15.1	19.0
4 11	13 43.29	+31 29.6	1.618	2.470	15.2	19.0
4 21	13 33.32	+30 45.6	1.649	2.481	16.0	19.1
5 1	13 24.41	+29 23.9	1.699	2.493	17.3	19.2
5 11	13 17.51	+27 29.9	1.767	2.506	18.8	19.4
5 21	13 13.10	+25 11.6	1.851	2.520	20.3	19.6

266711 Tuttlingen 4 16.2 256°.66 2°.9/13.5 17

3 12	14 0.96	− 5 55.2	1.903	2.748	13.2	21.6
3 22	13 56.69	− 4 51.6	1.813	2.733	9.9	21.3
4 1	13 50.30	− 3 38.4	1.746	2.717	6.2	21.1
4 11	13 42.44	− 2 21.4	1.706	2.701	3.1	20.8
4 21	13 33.96	− 1 7.8	1.694	2.685	4.5	20.9
5 1	13 25.85	− 0 4.6	1.709	2.668	8.3	21.1
5 11	13 19.02	+ 0 42.6	1.750	2.651	12.1	21.3
5 21	13 14.12	+ 1 10.7	1.812	2.634	15.5	21.4

196574 2003 QK_{36} 4 16.2 228°.15 2°.1/13.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 0.14	− 6 49.8	2.341	3.175	11.4	20.7
3 22	13 55.65	− 5 52.9	2.250	3.165	8.5	20.4
4 1	13 49.45	− 4 48.0	2.185	3.155	5.2	20.2
4 11	13 42.10	− 3 39.8	2.147	3.143	2.4	20.0
4 21	13 34.30	− 2 33.5	2.139	3.132	3.4	20.1
5 1	13 26.83	− 1 34.7	2.159	3.120	6.7	20.2
5 11	13 20.41	− 0 47.9	2.207	3.107	10.0	20.4
5 21	13 15.57	− 0 15.9	2.277	3.094	12.9	20.6

434290 2004 BO_{68} 4 16.2 168°.62 18°.0/27.3 18

3 12	14 4.19	+23 19.2	1.156	2.005	19.5	20.2
3 22	14 0.19	+27 8.2	1.133	2.007	18.2	20.1
4 1	13 52.87	+30 28.9	1.131	2.009	18.2	20.1
4 11	13 43.37	+33 1.9	1.149	2.011	19.4	20.2
4 21	13 33.21	+34 36.1	1.185	2.012	21.3	20.3
5 1	13 24.09	+35 9.4	1.237	2.012	23.5	20.5
5 11	13 17.34	+34 47.9	1.300	2.013	25.6	20.7
5 21	13 13.67	+33 41.7	1.372	2.012	27.3	20.8

106208 2000 UW_{30} 4 16.2 158°.21 0°.8/15.2 18

3 12	13 59.35	− 8 57.1	3.009	3.829	9.5	20.3
3 22	13 54.62	− 8 27.7	2.928	3.835	7.1	20.2
4 1	13 48.60	− 7 52.4	2.874	3.841	4.3	20.0
4 11	13 41.76	− 7 14.0	2.848	3.847	1.5	19.8
4 21	13 34.65	− 6 35.5	2.853	3.852	1.9	19.8
5 1	13 27.86	− 6 0.3	2.888	3.857	4.8	20.0
5 11	13 21.93	− 5 31.4	2.950	3.861	7.4	20.2
5 21	13 17.23	− 5 11.0	3.038	3.865	9.8	20.4

379889 2012 HV_{67} 4 16.2 259°.03 4°.2/12.7 17

3 12	14 2.65	− 0 58.0	1.841	2.690	13.3	21.1
3 22	13 57.95	− 0 10.3	1.760	2.680	10.1	20.9
4 1	13 51.08	+ 0 40.8	1.702	2.671	6.6	20.7
4 11	13 42.71	+ 1 29.4	1.672	2.661	4.3	20.5
4 21	13 33.77	+ 2 9.1	1.668	2.651	5.6	20.6
5 1	13 25.26	+ 2 34.6	1.691	2.641	9.1	20.8
5 11	13 18.14	+ 2 42.5	1.738	2.631	12.7	21.0
5 21	13 13.03	+ 2 31.9	1.806	2.621	15.9	21.1

308109 2004 XW_2 4 16.2 98°.00 1°.5/15.2 18

3 12	14 6.64	− 8 45.1	1.565	2.404	15.8	21.0
3 22	14 1.01	− 8 13.7	1.507	2.423	11.8	20.8
4 1	13 52.92	− 7 32.3	1.471	2.442	7.2	20.6
4 11	13 43.31	− 6 46.0	1.461	2.460	2.6	20.4
4 21	13 33.31	− 6 1.0	1.478	2.477	3.3	20.4
5 1	13 24.13	− 5 23.4	1.523	2.495	7.8	20.8
5 11	13 16.76	− 4 58.2	1.592	2.512	12.0	21.0
5 21	13 11.78	− 4 48.1	1.682	2.528	15.5	21.3

30982 1995 SP_5 4 16.2 105°.98 0°.4/15.8 18

3 12	14 0.50	−10 41.1	2.520	3.341	11.1	19.0
3 22	13 55.66	−10 15.5	2.450	3.356	8.3	18.8
4 1	13 49.31	− 9 42.1	2.404	3.371	5.1	18.7
4 11	13 42.02	− 9 3.9	2.387	3.386	1.7	18.5
4 21	13 34.45	− 8 24.6	2.399	3.400	1.8	18.5
5 1	13 27.31	− 7 48.0	2.441	3.414	5.2	18.7
5 11	13 21.24	− 7 17.8	2.510	3.428	8.2	18.9
5 21	13 16.65	− 6 56.6	2.603	3.442	10.9	19.1

299997 2006 UE_{27} 4 16.2 71°.29 0°.3/16.5 17

3 12	13 59.33	−13 12.6	2.244	3.066	12.2	21.2
3 22	13 55.08	−12 47.3	2.164	3.069	9.3	21.0
4 1	13 49.09	−12 11.2	2.107	3.072	5.8	20.8
4 11	13 41.98	−11 27.2	2.077	3.075	2.1	20.6
4 21	13 34.46	−10 39.3	2.076	3.078	1.7	20.5
5 1	13 27.36	− 9 52.3	2.103	3.081	5.5	20.8
5 11	13 21.40	− 9 11.0	2.157	3.084	8.9	21.0
5 21	13 17.08	− 8 39.1	2.235	3.087	11.9	21.2

282320 2002 TW_{171} 4 16.2 258°.71 2°.9/19.4 17

3 12	13 59.71	−22 40.5	2.266	3.050	13.3	20.5
3 22	13 55.58	−22 13.5	2.161	3.036	10.7	20.3
4 1	13 49.53	−21 28.0	2.079	3.021	7.6	20.0
4 11	13 42.17	−20 25.0	2.023	3.007	4.4	19.8
4 21	13 34.26	−19 8.0	1.995	2.991	3.0	19.7
5 1	13 26.67	−17 42.5	1.995	2.976	5.4	19.8
5 11	13 20.24	−16 15.8	2.024	2.961	8.8	20.0
5 21	13 15.55	−14 54.6	2.077	2.945	12.1	20.2

438941 2010 HY_{56} 4 16.2 262°.68 4°.3/21.4 17

3 12	13 59.01	−27 21.1	2.461	3.218	13.1	20.9
3 22	13 54.94	−27 10.1	2.360	3.209	10.8	20.7
4 1	13 49.07	−26 40.1	2.280	3.201	8.2	20.5
4 11	13 41.99	−25 51.4	2.225	3.192	5.7	20.3
4 21	13 34.43	−24 46.1	2.198	3.183	4.3	20.2
5 1	13 27.21	−23 28.8	2.199	3.174	5.6	20.3
5 11	13 21.11	−22 6.0	2.228	3.165	8.2	20.4
5 21	13 16.66	−20 44.0	2.282	3.156	10.9	20.6

341370 2007 TC_{101} 4 16.2 111°.47 1°.0/15.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 1.00	− 9 5.0	2.324	3.152	11.6	21.7
3 22	13 56.16	− 8 33.0	2.254	3.165	8.7	21.6
4 1	13 49.67	− 7 53.6	2.208	3.177	5.3	21.4
4 11	13 42.16	− 7 10.3	2.191	3.189	1.9	21.1
4 21	13 34.34	− 6 27.2	2.202	3.201	2.4	21.2
5 1	13 26.98	− 5 48.8	2.243	3.213	5.8	21.4
5 11	13 20.77	− 5 18.9	2.310	3.224	9.0	21.7
5 21	13 16.16	− 4 59.9	2.401	3.236	11.8	21.9

24804 1994 PS_{31} 4 16.2 280°.31 0°.9/15.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 1.10	−11 27.2	1.673	2.512	14.9	19.5
3 22	13 57.21	−10 41.5	1.575	2.491	11.4	19.3
4 1	13 50.86	− 9 40.3	1.499	2.470	7.1	19.0
4 11	13 42.72	− 8 27.9	1.449	2.448	2.4	18.6
4 21	13 33.74	− 7 11.0	1.426	2.427	3.0	18.6
5 1	13 25.11	− 5 57.6	1.430	2.405	7.9	18.8
5 11	13 17.91	− 4 55.9	1.458	2.383	12.5	19.0
5 21	13 12.95	− 4 11.3	1.508	2.361	16.6	19.2

327265 2005 SG_{168} 4 16.2 282°.51 0°.2/16.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 1.14	−12 32.6	1.699	2.534	14.9	21.5
3 22	13 57.14	−12 1.4	1.607	2.520	11.4	21.2
4 1	13 50.75	−11 15.7	1.538	2.506	7.2	21.0
4 11	13 42.66	−10 18.9	1.493	2.492	2.5	20.6
4 21	13 33.82	− 9 16.8	1.476	2.478	2.4	20.6
5 1	13 25.39	− 8 16.3	1.486	2.464	7.3	20.8
5 11	13 18.41	− 7 24.8	1.520	2.449	11.8	21.1
5 21	13 13.63	− 6 47.3	1.576	2.435	15.7	21.3

170336 2003 SF_{116} 4 16.2 271°.40 1°.4/15.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 5.08	− 8 22.7	1.578	2.420	15.5	20.1
3 22	14 0.32	− 8 5.6	1.487	2.405	11.8	19.8
4 1	13 52.86	− 7 38.5	1.418	2.389	7.4	19.5
4 11	13 43.43	− 7 5.3	1.375	2.373	2.6	19.1
4 21	13 33.11	− 6 31.4	1.358	2.357	3.3	19.1
5 1	13 23.18	− 6 2.7	1.367	2.341	8.3	19.4
5 11	13 14.86	− 5 45.1	1.401	2.325	13.0	19.6
5 21	13 9.01	− 5 42.1	1.455	2.309	17.1	19.8

418299 2008 FD_{37} 4 16.2 236°.79 2°.1/14.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 1.87	− 7 53.8	1.946	2.783	13.2	21.1
3 22	13 57.33	− 6 58.0	1.856	2.772	9.9	20.9
4 1	13 50.68	− 5 51.7	1.790	2.760	6.1	20.6
4 11	13 42.60	− 4 40.2	1.751	2.748	2.5	20.4
4 21	13 33.92	− 3 29.6	1.740	2.735	3.6	20.4
5 1	13 25.62	− 2 27.0	1.757	2.722	7.6	20.6
5 11	13 18.62	− 1 38.0	1.800	2.708	11.5	20.8
5 21	13 13.54	− 1 5.9	1.865	2.694	14.9	21.0

349909 2009 HD_{8} 4 16.2 20°.90 5°.1/12.0 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 3.63	+ 4 39.5	2.114	2.956	12.1	20.2
3 22	13 58.29	+ 5 4.8	2.045	2.958	9.3	20.0
4 1	13 51.08	+ 5 26.9	2.001	2.960	6.6	19.9
4 11	13 42.67	+ 5 41.0	1.984	2.963	5.1	19.8
4 21	13 33.89	+ 5 43.0	1.995	2.965	6.1	19.8
5 1	13 25.62	+ 5 30.1	2.032	2.968	8.7	20.0
5 11	13 18.62	+ 5 1.6	2.095	2.971	11.6	20.2
5 21	13 13.43	+ 4 18.2	2.180	2.974	14.2	20.4

39840 1998 BJ_{24} 4 16.2 80°.87 2°.1/14.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 3.99	− 8 4.4	1.447	2.297	16.2	19.7
3 22	13 59.26	− 7 20.8	1.387	2.309	12.1	19.5
4 1	13 51.96	− 6 26.6	1.348	2.321	7.4	19.2
4 11	13 43.02	− 5 27.9	1.335	2.333	2.9	19.0
4 21	13 33.60	− 4 32.0	1.347	2.345	3.9	19.1
5 1	13 24.97	− 3 46.2	1.385	2.356	8.5	19.4
5 11	13 18.17	− 3 16.1	1.448	2.368	12.9	19.6
5 21	13 13.83	− 3 4.2	1.530	2.380	16.6	19.9

214805 2006 UJ_{220} 4 16.2 109°.01 7°.0/ 9.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 4.46	+12 59.7	2.408	3.236	11.3	19.8
3 22	13 58.65	+13 38.3	2.349	3.242	9.2	19.6
4 1	13 51.17	+14 8.5	2.316	3.247	7.6	19.5
4 11	13 42.68	+14 24.9	2.309	3.253	7.1	19.5
4 21	13 33.92	+14 24.0	2.330	3.258	8.0	19.6
5 1	13 25.68	+14 3.8	2.377	3.264	9.8	19.7
5 11	13 18.65	+13 24.7	2.448	3.269	11.9	19.8
5 21	13 13.28	+12 29.0	2.540	3.274	13.9	20.0

219724 2001 XB_{126} 4 16.2 101°.16 1°.0/17.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 0.89	−16 10.4	1.786	2.608	14.8	20.6
3 22	13 56.69	−15 36.9	1.707	2.611	11.4	20.3
4 1	13 50.30	−14 46.8	1.652	2.614	7.4	20.1
4 11	13 42.45	−13 43.3	1.621	2.617	3.0	19.8
4 21	13 34.09	−12 32.0	1.618	2.620	2.0	19.8
5 1	13 26.28	−11 20.1	1.642	2.623	6.4	20.1
5 11	13 19.93	−10 14.8	1.692	2.626	10.5	20.3
5 21	13 15.66	− 9 21.8	1.765	2.629	14.1	20.5

177709 2005 GD_{123} 4 16.2 117°.30 1°.4/15.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 4.79	− 9 1.2	1.777	2.612	14.4	21.1
3 22	13 59.43	− 8 22.6	1.712	2.626	10.7	20.9
4 1	13 51.89	− 7 34.2	1.671	2.641	6.6	20.7
4 11	13 42.97	− 6 40.9	1.656	2.654	2.3	20.5
4 21	13 33.66	− 5 48.5	1.669	2.668	3.1	20.6
5 1	13 25.02	− 5 3.2	1.710	2.680	7.2	20.8
5 11	13 17.94	− 4 29.7	1.776	2.693	11.1	21.1
5 21	13 12.98	− 4 10.9	1.864	2.704	14.4	21.3

501496 2014 DF_{9} 4 16.2 93°.06 5°.8/ 9.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	13 58.09	+ 4 42.5	2.247	3.097	11.2	20.9
3 22	13 54.04	+ 6 14.2	2.190	3.106	8.6	20.8
4 1	13 48.38	+ 7 44.6	2.159	3.114	6.5	20.6
4 11	13 41.72	+ 9 6.5	2.156	3.123	5.8	20.6
4 21	13 34.78	+10 13.9	2.180	3.131	7.1	20.7
5 1	13 28.29	+11 2.2	2.231	3.140	9.4	20.9
5 11	13 22.91	+11 29.3	2.306	3.148	11.9	21.0
5 21	13 19.09	+11 35.4	2.401	3.156	14.0	21.2

179712 2002 RA_{57} 4 16.2 276°.17 1°.0/15.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 0.72	−11 24.9	1.638	2.479	15.1	20.6
3 22	13 56.89	−10 33.7	1.547	2.464	11.4	20.3
4 1	13 50.63	− 9 26.8	1.479	2.450	7.1	20.0
4 11	13 42.64	− 8 9.0	1.436	2.435	2.4	19.7
4 21	13 33.90	− 6 47.5	1.420	2.420	3.1	19.7
5 1	13 25.58	− 5 31.0	1.431	2.405	7.9	19.9
5 11	13 18.77	− 4 27.3	1.466	2.390	12.5	20.2
5 21	13 14.19	− 3 41.7	1.523	2.375	16.5	20.4

96826 1999 RQ_{185} 4 16.2 182°.59 0°.1/16.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 1.53	−12 32.9	2.152	2.974	12.7	20.5
3 22	13 56.82	−12 3.3	2.068	2.974	9.6	20.3
4 1	13 50.24	−11 22.5	2.009	2.974	6.0	20.1
4 11	13 42.42	−10 33.7	1.976	2.974	2.1	19.8
4 21	13 34.15	− 9 41.4	1.972	2.974	1.9	19.8
5 1	13 26.30	− 8 50.7	1.997	2.973	5.9	20.0
5 11	13 19.67	− 8 6.8	2.048	2.972	9.5	20.2
5 21	13 14.80	− 7 33.5	2.123	2.970	12.7	20.4

362699 2011 UA_{157} 4 16.3 301°.61 4°.1/13.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 5.41	− 2 22.8	1.356	2.215	16.6	20.4
3 22	14 0.81	− 1 55.1	1.279	2.205	12.6	20.1
4 1	13 53.25	− 1 22.8	1.224	2.196	8.1	19.8
4 11	13 43.59	− 0 52.5	1.192	2.186	4.4	19.6
4 21	13 33.07	− 0 31.0	1.185	2.177	5.8	19.6
5 1	13 23.12	− 0 24.4	1.203	2.168	10.4	19.8
5 11	13 15.06	− 0 36.5	1.244	2.159	15.0	20.1
5 21	13 9.74	− 1 7.9	1.304	2.151	19.1	20.3

204719 2006 GD_{40} 4 16.3 359°.14 2°.0/17.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 3.50	−14 26.8	1.207	2.055	18.9	19.5
3 22	13 59.71	−14 45.8	1.136	2.053	14.7	19.3
4 1	13 52.71	−14 48.4	1.084	2.051	9.7	19.0
4 11	13 43.43	−14 36.0	1.054	2.051	4.3	18.7
4 21	13 33.22	−14 12.4	1.049	2.051	2.9	18.6
5 1	13 23.71	−13 44.2	1.067	2.052	8.2	18.9
5 11	13 16.33	−13 19.2	1.107	2.053	13.5	19.2
5 21	13 11.96	−13 3.8	1.167	2.056	18.0	19.4

505347 2013 BM_{56} 4 16.3 116°.93 4°.5/21.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 0.43	−27 15.1	2.565	3.318	12.8	21.2
3 22	13 55.89	−27 23.6	2.477	3.323	10.5	21.0
4 1	13 49.62	−27 15.4	2.411	3.328	8.1	20.9
4 11	13 42.20	−26 50.2	2.370	3.332	5.7	20.7
4 21	13 34.36	−26 9.7	2.357	3.337	4.5	20.7
5 1	13 26.91	−25 17.6	2.371	3.342	5.5	20.7
5 11	13 20.57	−24 19.1	2.413	3.346	7.8	20.9
5 21	13 15.84	−23 19.8	2.480	3.351	10.3	21.1

271863 2004 TS_{291} 4 16.3 177°.03 0°.1/16.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 1.96	−12 21.5	2.235	3.054	12.3	22.1
3 22	13 57.07	−11 51.8	2.151	3.056	9.3	21.9
4 1	13 50.37	−11 11.4	2.092	3.057	5.8	21.7
4 11	13 42.46	−10 23.4	2.060	3.058	2.0	21.4
4 21	13 34.14	− 9 32.2	2.057	3.059	1.9	21.4
5 1	13 26.22	− 8 42.7	2.083	3.058	5.7	21.7
5 11	13 19.50	− 7 59.9	2.136	3.058	9.3	21.9
5 21	13 14.48	− 7 27.3	2.213	3.057	12.3	22.1

82301 2001 KR_{43} 4 16.3 279°.18 3°.6/13.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 3.10	− 6 0.8	1.413	2.269	16.2	19.6
3 22	13 59.17	− 4 59.2	1.319	2.245	12.3	19.3
4 1	13 52.35	− 3 44.1	1.247	2.221	7.8	19.0
4 11	13 43.34	− 2 22.6	1.200	2.196	3.9	18.7
4 21	13 33.25	− 1 4.1	1.178	2.170	5.6	18.7
5 1	13 23.49	+ 0 1.5	1.181	2.145	10.6	18.9
5 11	13 15.42	+ 0 46.2	1.206	2.119	15.6	19.1
5 21	13 9.98	+ 1 5.8	1.251	2.093	20.0	19.3

380095 2013 TK_3 4 16.3 180°.19 3°.5/12.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 0.85	− 2 55.3	2.165	3.008	11.8	21.2
3 22	13 56.23	− 1 46.3	2.090	3.009	8.8	21.0
4 1	13 49.82	− 0 32.2	2.041	3.009	5.7	20.8
4 11	13 42.27	+ 0 41.2	2.019	3.009	3.6	20.7
4 21	13 34.32	+ 1 47.5	2.026	3.009	4.8	20.7
5 1	13 26.82	+ 2 41.3	2.061	3.008	7.9	20.9
5 11	13 20.49	+ 3 18.8	2.122	3.007	11.0	21.1
5 21	13 15.85	+ 3 38.4	2.204	3.006	13.8	21.3

256299 2006 WJ_{139} 4 16.3 25°.50 0°.6/16.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 1.33	−14 21.8	1.567	2.402	16.0	20.4
3 22	13 57.31	−13 55.4	1.493	2.404	12.2	20.2
4 1	13 50.83	−13 12.8	1.439	2.406	7.8	20.0
4 11	13 42.69	−12 17.6	1.411	2.408	3.0	19.7
4 21	13 33.95	−11 15.5	1.408	2.411	2.2	19.6
5 1	13 25.81	−10 14.2	1.432	2.413	7.1	19.9
5 11	13 19.32	− 9 21.2	1.481	2.416	11.6	20.2
5 21	13 15.14	− 8 41.7	1.551	2.419	15.4	20.4

89112 2001 TW_{211} 4 16.3 196°.30 3°.8/13.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 5.93	− 2 36.9	1.851	2.692	13.6	20.2
3 22	14 0.38	− 1 40.8	1.772	2.689	10.2	19.9
4 1	13 52.58	− 0 39.4	1.718	2.686	6.6	19.7
4 11	13 43.28	+ 0 21.0	1.690	2.682	3.9	19.5
4 21	13 33.42	+ 1 13.9	1.691	2.677	5.3	19.6
5 1	13 24.06	+ 1 53.3	1.720	2.671	8.9	19.8
5 11	13 16.18	+ 2 15.2	1.773	2.664	12.5	20.0
5 21	13 10.39	+ 2 18.2	1.847	2.657	15.8	20.2

185318 2006 UW_{330} 4 16.3 194°.53 4°.4/11.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	13 59.32	+ 2 28.9	2.511	3.355	10.4	21.1
3 22	13 54.86	+ 3 26.6	2.438	3.353	7.9	20.9
4 1	13 48.88	+ 4 24.3	2.391	3.352	5.5	20.8
4 11	13 41.93	+ 5 17.1	2.371	3.350	4.4	20.7
4 21	13 34.65	+ 6 0.2	2.381	3.348	5.5	20.8
5 1	13 27.73	+ 6 29.8	2.417	3.346	7.9	20.9
5 11	13 21.80	+ 6 43.6	2.479	3.344	10.4	21.1
5 21	13 17.32	+ 6 41.2	2.563	3.341	12.7	21.2

120919 1998 SU_{85} 4 16.3 257°.70 1°.3/17.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 6.58	−13 55.1	1.459	2.291	17.1	20.0
3 22	14 1.71	−14 0.7	1.372	2.281	13.3	19.7
4 1	13 53.87	−13 51.7	1.306	2.271	8.7	19.5
4 11	13 43.85	−13 29.7	1.264	2.261	3.6	19.1
4 21	13 32.84	−12 58.4	1.248	2.251	2.5	19.0
5 1	13 22.31	−12 23.8	1.258	2.240	7.8	19.3
5 11	13 13.60	−11 53.2	1.293	2.229	12.8	19.6
5 21	13 7.63	−11 32.6	1.348	2.218	17.2	19.8

162624 2000 SP_{121} 4 16.3 126°.87 1°.9/14.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 5.74	− 7 41.0	1.781	2.616	14.3	20.8
3 22	14 0.14	− 6 57.6	1.716	2.631	10.7	20.5
4 1	13 52.34	− 6 5.6	1.676	2.646	6.5	20.3
4 11	13 43.15	− 5 10.1	1.662	2.659	2.6	20.1
4 21	13 33.59	− 4 17.2	1.676	2.672	3.5	20.2
5 1	13 24.70	− 3 32.9	1.718	2.685	7.6	20.5
5 11	13 17.39	− 3 1.9	1.785	2.697	11.4	20.7
5 21	13 12.22	− 2 46.4	1.875	2.708	14.7	20.9

214425 2005 QL_{16} 4 16.3 74°.77 3°.4/12.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	13 58.07	− 2 10.2	2.292	3.139	11.1	20.1
3 22	13 54.05	− 1 8.7	2.222	3.142	8.3	19.9
4 1	13 48.42	− 0 3.5	2.178	3.146	5.4	19.7
4 11	13 41.78	+ 0 59.9	2.160	3.150	3.5	19.6
4 21	13 34.81	+ 1 56.2	2.172	3.154	4.6	19.7
5 1	13 28.26	+ 2 40.6	2.211	3.158	7.5	19.9
5 11	13 22.77	+ 3 10.0	2.275	3.162	10.3	20.0
5 21	13 18.81	+ 3 23.1	2.362	3.166	12.9	20.2

229784 2008 PM_{18} 4 16.3 280°.24 10°.9/ 3.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 5.65	+19 47.2	2.054	2.874	13.3	20.2
3 22	14 0.31	+21 21.6	1.971	2.841	11.8	20.1
4 1	13 52.67	+22 45.2	1.911	2.807	11.0	19.9
4 11	13 43.37	+23 48.5	1.876	2.773	11.3	19.9
4 21	13 33.31	+24 23.8	1.865	2.737	12.7	19.9
5 1	13 23.55	+24 26.7	1.876	2.701	14.7	19.9
5 11	13 15.11	+23 56.7	1.907	2.665	17.0	20.0
5 21	13 8.71	+22 57.0	1.955	2.628	19.2	20.1

106720 2000 WR_{175} 4 16.3 141°.99 1°.2/17.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	13 58.06	−18 53.9	2.686	3.481	11.2	19.6
3 22	13 53.88	−17 59.9	2.600	3.487	8.6	19.5
4 1	13 48.25	−16 51.9	2.538	3.493	5.7	19.3
4 11	13 41.71	−15 32.6	2.505	3.498	2.6	19.1
4 21	13 34.89	−14 6.5	2.502	3.503	1.6	19.0
5 1	13 28.46	−12 39.0	2.529	3.508	4.5	19.2
5 11	13 23.00	−11 15.8	2.584	3.513	7.6	19.4
5 21	13 18.93	−10 1.4	2.666	3.518	10.2	19.6

426803 2013 TO_{136} 4 16.3 157°.99 10°.3/ 4.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 6.96	+23 57.7	2.362	3.159	12.5	21.0
3 22	14 0.61	+25 4.9	2.319	3.165	11.1	20.9
4 1	13 52.43	+25 56.2	2.299	3.170	10.4	20.9
4 11	13 43.16	+26 24.9	2.303	3.175	10.5	20.9
4 21	13 33.65	+26 27.3	2.332	3.179	11.4	21.0
5 1	13 24.77	+26 2.2	2.384	3.183	12.8	21.1
5 11	13 17.27	+25 11.4	2.457	3.187	14.3	21.2
5 21	13 11.61	+23 59.0	2.547	3.190	15.8	21.3

192912 1999 XU_{245} 4 16.3 192°.82 3°.2/12.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 1.30	− 0 23.6	2.898	3.729	9.5	21.9
3 22	13 56.16	+ 0 29.4	2.815	3.727	7.1	21.7
4 1	13 49.63	+ 1 24.3	2.760	3.723	4.7	21.6
4 11	13 42.21	+ 2 17.0	2.734	3.719	3.2	21.5
4 21	13 34.46	+ 3 3.3	2.737	3.714	4.2	21.5
5 1	13 27.03	+ 3 39.8	2.771	3.709	6.6	21.7
5 11	13 20.47	+ 4 3.7	2.831	3.702	9.1	21.8
5 21	13 15.23	+ 4 14.2	2.915	3.695	11.3	22.0

128907 2004 TT_{41} 4 16.3 278°.97 2°.0/17.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 5.56	−15 29.5	1.493	2.321	17.0	19.9
3 22	14 1.09	−15 37.5	1.394	2.300	13.3	19.6
4 1	13 53.62	−15 29.6	1.316	2.278	8.9	19.3
4 11	13 43.84	−15 6.6	1.261	2.256	4.1	18.9
4 21	13 32.87	−14 31.4	1.233	2.234	2.8	18.8
5 1	13 22.19	−13 50.0	1.230	2.212	7.8	19.0
5 11	13 13.20	−13 10.2	1.251	2.190	12.9	19.2
5 21	13 6.92	−12 39.1	1.293	2.168	17.5	19.5

251814 1999 TC_{77} 4 16.3 249°.76 0°.4/16.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 4.79	−13 2.2	1.853	2.676	14.4	21.9
3 22	13 59.81	−12 45.4	1.754	2.660	11.1	21.6
4 1	13 52.44	−12 15.6	1.678	2.643	7.1	21.4
4 11	13 43.32	−11 35.2	1.627	2.625	2.6	21.0
4 21	13 33.40	−10 48.5	1.605	2.607	2.1	21.0
5 1	13 23.81	−10 1.1	1.610	2.588	6.8	21.2
5 11	13 15.60	− 9 19.5	1.642	2.569	11.2	21.4
5 21	13 9.54	− 8 48.7	1.695	2.549	15.0	21.6

399115 2014 DU_{97} 4 16.3 342°.46 5°.6/10.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	13 54.37	− 0 7.0	1.715	2.582	13.2	19.6
3 22	13 51.87	+ 1 33.4	1.640	2.570	10.0	19.4
4 1	13 47.36	+ 3 19.5	1.590	2.559	7.0	19.2
4 11	13 41.49	+ 5 2.3	1.566	2.549	5.7	19.1
4 21	13 35.10	+ 6 32.4	1.568	2.539	7.4	19.1
5 1	13 29.14	+ 7 42.0	1.595	2.531	10.7	19.3
5 11	13 24.47	+ 8 26.3	1.645	2.523	14.1	19.5
5 21	13 21.68	+ 8 44.3	1.714	2.516	17.1	19.7

388350 2006 TX_{109} 4 16.3 311°.57 1°.3/17.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	13 58.60	−16 25.6	2.088	2.904	13.2	20.9
3 22	13 54.82	−16 3.1	1.996	2.896	10.2	20.7
4 1	13 49.11	−15 26.3	1.927	2.887	6.7	20.4
4 11	13 42.10	−14 37.4	1.884	2.879	3.0	20.2
4 21	13 34.55	−13 40.5	1.869	2.871	1.9	20.1
5 1	13 27.38	−12 41.0	1.881	2.863	5.6	20.3
5 11	13 21.39	−11 45.1	1.920	2.855	9.4	20.5
5 21	13 17.17	−10 57.9	1.983	2.847	12.7	20.7

258187 2001 SG_{196} 4 16.3 61°.42 4°.0/12.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	13 59.88	− 5 8.4	1.545	2.403	14.9	20.2
3 22	13 55.99	− 3 36.9	1.490	2.417	11.1	20.0
4 1	13 49.86	− 1 56.6	1.458	2.431	6.9	19.8
4 11	13 42.32	− 0 16.8	1.452	2.445	4.1	19.6
4 21	13 34.42	+ 1 13.3	1.472	2.459	5.7	19.7
5 1	13 27.23	+ 2 25.4	1.518	2.473	9.5	20.0
5 11	13 21.65	+ 3 14.4	1.588	2.487	13.3	20.3
5 21	13 18.21	+ 3 39.3	1.678	2.502	16.5	20.5

420266 2011 KZ_{19} 4 16.3 286°.38 4°.1/24.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	13 54.63	−34 3.8	4.446	5.133	8.6	20.8
3 22	13 51.02	−34 6.4	4.334	5.123	7.4	20.7
4 1	13 46.38	−33 56.6	4.245	5.112	6.1	20.6
4 11	13 41.07	−33 34.5	4.180	5.101	4.9	20.5
4 21	13 35.50	−33 0.6	4.143	5.091	4.2	20.4
5 1	13 30.11	−32 16.8	4.135	5.080	4.3	20.4
5 11	13 25.33	−31 25.7	4.154	5.070	5.3	20.5
5 21	13 21.48	−30 30.6	4.199	5.059	6.6	20.5

379683 2011 FZ_{30} 4 16.3 93°.62 2°.6/14.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 2.97	− 4 34.9	1.881	2.724	13.3	21.1
3 22	13 58.10	− 4 6.4	1.807	2.726	10.0	20.9
4 1	13 51.13	− 3 32.6	1.757	2.727	6.2	20.7
4 11	13 42.79	− 2 58.4	1.733	2.729	2.9	20.5
4 21	13 33.97	− 2 28.6	1.737	2.731	4.0	20.5
5 1	13 25.66	− 2 8.0	1.768	2.732	7.6	20.8
5 11	13 18.74	− 2 0.1	1.825	2.734	11.3	21.0
5 21	13 13.80	− 2 6.3	1.903	2.735	14.5	21.2

107113 2001 AS_{37} 4 16.3 156°.15 2°.2/17.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 8.63	−15 51.1	1.758	2.569	15.5	19.3
3 22	14 2.68	−16 11.7	1.678	2.573	12.1	19.1
4 1	13 54.17	−16 19.1	1.620	2.577	8.1	18.9
4 11	13 43.90	−16 14.0	1.588	2.581	3.9	18.6
4 21	13 32.95	−15 58.5	1.584	2.584	2.7	18.5
5 1	13 22.56	−15 37.0	1.607	2.587	6.6	18.8
5 11	13 13.82	−15 15.2	1.657	2.590	10.7	19.0
5 21	13 7.47	−14 58.2	1.729	2.592	14.4	19.3

481744 2008 GT_{126} 4 16.3 319°.60 2°.8/11.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	13 53.11	+ 2 3.5	3.922	4.762	7.0	20.9
3 22	13 49.80	+ 2 43.6	3.840	4.754	5.3	20.7
4 1	13 45.58	+ 3 23.7	3.785	4.747	3.7	20.6
4 11	13 40.78	+ 4 0.9	3.760	4.740	2.8	20.5
4 21	13 35.77	+ 4 32.5	3.763	4.733	3.6	20.6
5 1	13 30.96	+ 4 56.4	3.795	4.726	5.2	20.7
5 11	13 26.70	+ 5 10.8	3.854	4.719	7.0	20.8
5 21	13 23.30	+ 5 15.1	3.936	4.712	8.7	20.9

99694 2002 JR_{29} 4 16.3 1°.26 0°.1/16.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	13 59.75	−13 57.5	1.353	2.201	17.3	19.3
3 22	13 56.47	−13 9.8	1.281	2.200	13.2	19.0
4 1	13 50.47	−12 2.5	1.229	2.199	8.3	18.7
4 11	13 42.63	−10 40.7	1.201	2.199	2.9	18.4
4 21	13 34.12	− 9 12.9	1.198	2.200	2.7	18.4
5 1	13 26.27	− 7 49.2	1.220	2.201	8.1	18.7
5 11	13 20.24	− 6 39.1	1.266	2.202	13.1	19.0
5 21	13 16.74	− 5 48.6	1.332	2.203	17.3	19.2

342499 2008 UD_{173} 4 16.3 284°.81 0°.8/15.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 2.33	− 9 29.2	1.907	2.741	13.5	20.9
3 22	13 57.87	− 9 10.5	1.808	2.722	10.3	20.6
4 1	13 51.19	− 8 42.3	1.732	2.702	6.4	20.3
4 11	13 42.89	− 8 7.6	1.683	2.682	2.2	20.0
4 21	13 33.85	− 7 31.0	1.661	2.661	2.6	20.0
5 1	13 25.10	− 6 57.6	1.667	2.641	7.0	20.2
5 11	13 17.63	− 6 32.7	1.698	2.621	11.2	20.4
5 21	13 12.16	− 6 19.7	1.751	2.601	14.8	20.6

350205 2012 QE_2 4 16.3 206°.57 4°.8/11.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 3.16	+ 4 44.3	2.523	3.359	10.6	20.9
3 22	13 57.75	+ 5 25.1	2.445	3.354	8.2	20.7
4 1	13 50.72	+ 6 3.9	2.393	3.349	5.9	20.6
4 11	13 42.62	+ 6 36.1	2.369	3.343	4.8	20.5
4 21	13 34.15	+ 6 57.5	2.373	3.337	5.8	20.6
5 1	13 26.06	+ 7 4.9	2.406	3.331	8.1	20.7
5 11	13 19.01	+ 6 56.9	2.464	3.324	10.6	20.8
5 21	13 13.49	+ 6 33.7	2.545	3.316	12.9	21.0

370096 2001 TP_6 4 16.3 177°.01 2°.9/13.0 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 1.01	− 5 41.2	2.151	2.989	12.1	21.6
3 22	13 56.38	− 4 21.0	2.074	2.992	9.0	21.4
4 1	13 49.95	− 2 52.7	2.023	2.993	5.6	21.2
4 11	13 42.37	− 1 22.7	2.000	2.994	3.0	21.0
4 21	13 34.40	+ 0 2.4	2.007	2.994	4.3	21.1
5 1	13 26.87	+ 1 16.1	2.042	2.994	7.6	21.3
5 11	13 20.54	+ 2 13.4	2.103	2.994	10.9	21.5
5 21	13 15.91	+ 2 52.0	2.186	2.992	13.7	21.7

191718 2004 RL_{218} 4 16.3 273°.75 7°.3/22.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 4.40	−30 27.9	1.993	2.738	16.2	20.4
3 22	13 59.78	−31 8.3	1.886	2.720	13.8	20.1
4 1	13 52.58	−31 27.7	1.800	2.702	11.2	19.9
4 11	13 43.44	−31 23.0	1.736	2.684	8.7	19.7
4 21	13 33.33	−30 53.4	1.698	2.665	7.3	19.6
5 1	13 23.48	−30 1.5	1.685	2.647	8.2	19.6
5 11	13 15.06	−28 54.3	1.698	2.628	10.7	19.7
5 21	13 8.95	−27 40.3	1.734	2.609	13.8	19.9

378704 2008 OR_{20} 4 16.3 227°.70 2°.8/13.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 0.58	− 5 33.5	1.932	2.777	13.0	21.2
3 22	13 56.30	− 4 37.0	1.854	2.774	9.7	21.0
4 1	13 50.02	− 3 32.9	1.799	2.771	6.0	20.8
4 11	13 42.42	− 2 26.8	1.772	2.767	3.0	20.6
4 21	13 34.34	− 1 25.0	1.772	2.764	4.2	20.6
5 1	13 26.72	− 0 33.7	1.800	2.760	7.9	20.8
5 11	13 20.38	+ 0 2.5	1.853	2.756	11.5	21.0
5 21	13 15.92	+ 0 21.3	1.927	2.753	14.6	21.2

348836 2006 RN_{108} 4 16.3 165°.25 0°.1/16.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 0.03	−12 35.4	2.256	3.078	12.2	21.6
3 22	13 55.66	−12 13.6	2.172	3.078	9.2	21.4
4 1	13 49.53	−11 41.5	2.113	3.078	5.8	21.2
4 11	13 42.23	−11 1.9	2.081	3.079	2.1	21.0
4 21	13 34.52	−10 18.8	2.077	3.079	1.8	20.9
5 1	13 27.20	− 9 36.7	2.102	3.079	5.5	21.2
5 11	13 21.00	− 9 0.2	2.153	3.079	9.0	21.4
5 21	13 16.46	− 8 32.8	2.228	3.079	12.0	21.6

24332 Shaunalinn 4 16.3 239°.92 2°.0/14.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 3.81	− 7 34.5	1.902	2.738	13.5	19.6
3 22	13 58.91	− 6 52.6	1.809	2.724	10.2	19.3
4 1	13 51.78	− 6 1.2	1.740	2.710	6.3	19.1
4 11	13 43.09	− 5 4.8	1.698	2.695	2.5	18.8
4 21	13 33.72	− 4 9.2	1.684	2.680	3.5	18.8
5 1	13 24.72	− 3 20.7	1.697	2.664	7.7	19.0
5 11	13 17.06	− 2 44.7	1.737	2.648	11.7	19.2
5 21	13 11.41	− 2 24.5	1.798	2.631	15.2	19.4

267404 2002 AU_{98} 4 16.3 65°.29 8°.7/ 9.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 4.53	+10 10.9	1.623	2.474	14.7	20.0
3 22	13 59.20	+11 31.4	1.590	2.499	11.7	19.9
4 1	13 51.69	+12 42.2	1.580	2.524	9.4	19.8
4 11	13 42.93	+13 34.7	1.595	2.549	8.7	19.8
4 21	13 34.00	+14 2.8	1.635	2.574	10.0	20.0
5 1	13 25.94	+14 3.9	1.699	2.599	12.4	20.2
5 11	13 19.60	+13 38.9	1.784	2.623	14.9	20.4
5 21	13 15.44	+12 51.5	1.888	2.648	17.2	20.6

426695 2013 TR_{28} 4 16.3 102°.60 0°.6/15.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 3.30	− 9 50.9	1.973	2.803	13.3	21.0
3 22	13 58.24	− 9 33.0	1.901	2.812	10.0	20.8
4 1	13 51.17	− 9 6.4	1.853	2.821	6.2	20.6
4 11	13 42.81	− 8 34.3	1.831	2.830	2.1	20.3
4 21	13 34.03	− 8 1.1	1.838	2.839	2.3	20.3
5 1	13 25.78	− 7 31.3	1.873	2.847	6.4	20.6
5 11	13 18.90	− 7 9.4	1.934	2.856	10.1	20.9
5 21	13 13.95	− 6 58.1	2.018	2.864	13.3	21.1

23040 Latham 4 16.3 312°.59 1°.9/14.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 1.05	− 7 8.2	1.909	2.751	13.2	19.2
3 22	13 56.67	− 6 30.4	1.832	2.750	9.9	19.0
4 1	13 50.27	− 5 44.5	1.778	2.749	6.1	18.7
4 11	13 42.52	− 4 55.4	1.751	2.749	2.5	18.5
4 21	13 34.28	− 4 8.3	1.751	2.748	3.4	18.5
5 1	13 26.52	− 3 28.9	1.779	2.747	7.3	18.8
5 11	13 20.08	− 3 1.7	1.833	2.747	11.0	19.0
5 21	13 15.55	− 2 49.1	1.908	2.746	14.2	19.2

161625 2005 YJ_7 4 16.3 138°.52 1°.3/14.8 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 1.92	− 9 45.7	2.415	3.238	11.4	21.1
3 22	13 56.80	− 8 44.8	2.344	3.253	8.5	20.9
4 1	13 50.09	− 7 35.1	2.299	3.267	5.2	20.7
4 11	13 42.40	− 6 21.0	2.283	3.281	1.9	20.5
4 21	13 34.44	− 5 7.8	2.296	3.293	2.6	20.6
5 1	13 26.95	− 4 1.0	2.340	3.306	5.9	20.8
5 11	13 20.59	− 3 5.0	2.411	3.317	9.0	21.0
5 21	13 15.79	− 2 22.6	2.506	3.328	11.7	21.2

106952 2000 YW_{77} 4 16.3 149°.90 0°.6/16.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	13 59.52	−14 18.6	2.693	3.502	10.8	20.7
3 22	13 54.99	−13 58.7	2.610	3.507	8.2	20.5
4 1	13 48.99	−13 29.1	2.551	3.512	5.3	20.3
4 11	13 42.03	−12 52.2	2.520	3.516	2.1	20.1
4 21	13 34.75	−12 10.9	2.518	3.520	1.5	20.0
5 1	13 27.81	−11 29.2	2.545	3.524	4.6	20.3
5 11	13 21.83	−10 51.0	2.601	3.527	7.6	20.5
5 21	13 17.24	−10 19.5	2.681	3.530	10.3	20.6

192509 1998 QL_5 4 16.3 144°.90 2°.4/18.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 6.47	−18 40.1	1.635	2.445	16.6	20.8
3 22	14 1.14	−18 26.0	1.560	2.454	12.9	20.6
4 1	13 53.23	−17 52.7	1.507	2.462	8.7	20.3
4 11	13 43.59	−17 2.2	1.478	2.470	4.3	20.1
4 21	13 33.36	−15 59.3	1.476	2.477	2.8	20.0
5 1	13 23.82	−14 51.2	1.502	2.483	6.8	20.3
5 11	13 16.04	−13 46.3	1.553	2.489	11.1	20.5
5 21	13 10.71	−12 51.3	1.626	2.494	14.9	20.8

385310 2001 XS_{122} 4 16.3 120°.96 6°.2/23.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 1.57	−32 17.5	1.901	2.644	16.9	20.7
3 22	13 57.37	−31 54.4	1.814	2.648	14.3	20.5
4 1	13 50.82	−31 2.9	1.745	2.652	11.2	20.3
4 11	13 42.73	−29 42.5	1.701	2.656	8.2	20.1
4 21	13 34.13	−27 56.4	1.682	2.660	6.3	20.0
5 1	13 26.17	−25 52.2	1.690	2.663	7.1	20.1
5 11	13 19.80	−23 40.7	1.726	2.667	9.9	20.3
5 21	13 15.66	−21 32.7	1.787	2.670	13.0	20.5

432562 2010 JE_{84} 4 16.3 281°.57 7°.9/ 7.0 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	13 59.17	+11 13.8	2.156	3.002	11.8	21.0
3 22	13 55.11	+12 42.7	2.087	2.990	9.7	20.8
4 1	13 49.23	+14 6.3	2.042	2.978	8.1	20.7
4 11	13 42.15	+15 16.8	2.024	2.966	8.0	20.7
4 21	13 34.63	+16 7.8	2.032	2.955	9.3	20.7
5 1	13 27.50	+16 35.0	2.065	2.943	11.5	20.8
5 11	13 21.51	+16 37.0	2.119	2.931	13.8	21.0
5 21	13 17.21	+16 15.3	2.192	2.919	16.0	21.1

430121 2013 TK_{25} 4 16.3 162°.10 0°.8/16.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 4.14	−13 43.1	2.074	2.890	13.3	21.7
3 22	13 58.89	−13 35.7	1.992	2.893	10.2	21.5
4 1	13 51.62	−13 17.0	1.934	2.896	6.5	21.2
4 11	13 43.00	−12 49.4	1.903	2.899	2.6	21.0
4 21	13 33.88	−12 16.1	1.899	2.902	1.9	20.9
5 1	13 25.23	−11 41.8	1.925	2.904	5.8	21.2
5 11	13 17.89	−11 11.4	1.977	2.906	9.5	21.4
5 21	13 12.45	−10 48.7	2.053	2.907	12.8	21.6

425560 2010 RJ_{149} 4 16.3 191°.95 2°.7/18.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 6.03	−18 43.1	1.899	2.699	14.9	22.2
3 22	14 0.64	−18 48.6	1.811	2.698	11.8	22.0
4 1	13 52.89	−18 38.4	1.745	2.697	8.1	21.7
4 11	13 43.49	−18 13.2	1.705	2.695	4.3	21.5
4 21	13 33.43	−17 35.8	1.693	2.692	2.9	21.4
5 1	13 23.83	−16 50.9	1.709	2.689	6.2	21.6
5 11	13 15.71	−16 5.3	1.751	2.685	10.1	21.8
5 21	13 9.79	−15 24.8	1.816	2.681	13.7	22.0

42944 1999 TQ_{93} 4 16.3 210°.14 1°.7/14.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 4.30	− 8 0.7	2.070	2.900	12.8	19.7
3 22	13 59.05	− 7 17.8	1.981	2.893	9.6	19.5
4 1	13 51.75	− 6 25.9	1.917	2.886	6.0	19.3
4 11	13 43.06	− 5 29.3	1.879	2.877	2.3	19.0
4 21	13 33.82	− 4 33.3	1.871	2.868	3.2	19.1
5 1	13 24.97	− 3 43.7	1.892	2.858	7.0	19.3
5 11	13 17.40	− 3 5.5	1.939	2.847	10.8	19.5
5 21	13 11.70	− 2 41.7	2.008	2.836	14.0	19.7

506303 2017 NM_4 4 16.3 293°.60 4°.8/19.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 3.84	−21 46.9	1.511	2.319	17.8	20.6
3 22	13 59.80	−22 14.0	1.417	2.304	14.4	20.3
4 1	13 52.82	−22 21.0	1.342	2.288	10.5	20.0
4 11	13 43.60	−22 6.4	1.290	2.272	6.6	19.7
4 21	13 33.28	−21 31.3	1.262	2.257	4.9	19.6
5 1	13 23.32	−20 40.9	1.260	2.242	7.8	19.7
5 11	13 15.10	−19 43.8	1.282	2.227	12.2	19.9
5 21	13 9.59	−18 49.0	1.326	2.212	16.4	20.1

25636 Vaishnav 4 16.3 113°.91 1°.4/15.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 1.29	− 8 9.6	2.022	2.858	12.8	19.2
3 22	13 56.76	− 7 40.0	1.944	2.859	9.6	19.0
4 1	13 50.28	− 7 2.5	1.890	2.860	5.9	18.7
4 11	13 42.54	− 6 20.9	1.863	2.861	2.2	18.5
4 21	13 34.34	− 5 40.1	1.864	2.862	2.8	18.5
5 1	13 26.59	− 5 5.0	1.893	2.863	6.7	18.8
5 11	13 20.11	− 4 39.8	1.947	2.864	10.3	19.0
5 21	13 15.45	− 4 27.2	2.024	2.865	13.4	19.2

499744 2011 BY_{76} 4 16.3 213°.79 5°.9/ 9.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 0.62	+ 3 22.6	2.035	2.886	12.2	22.0
3 22	13 56.23	+ 4 55.5	1.964	2.881	9.4	21.8
4 1	13 49.95	+ 6 29.5	1.917	2.876	6.9	21.6
4 11	13 42.42	+ 7 56.8	1.898	2.870	6.0	21.5
4 21	13 34.44	+ 9 9.9	1.906	2.864	7.4	21.6
5 1	13 26.89	+10 3.1	1.941	2.858	10.2	21.8
5 11	13 20.57	+10 33.2	1.999	2.851	13.0	21.9
5 21	13 16.03	+10 40.3	2.078	2.844	15.6	22.1

418985 2009 KL_6 4 16.3 253°.20 4°.8/12.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 2.88	− 0 53.3	1.738	2.589	13.9	21.7
3 22	13 58.34	+ 0 11.9	1.655	2.577	10.5	21.4
4 1	13 51.49	+ 1 22.1	1.596	2.564	7.0	21.2
4 11	13 43.02	+ 2 30.1	1.563	2.551	4.8	21.0
4 21	13 33.89	+ 3 28.2	1.557	2.537	6.4	21.1
5 1	13 25.19	+ 4 9.7	1.577	2.523	9.9	21.2
5 11	13 17.93	+ 4 30.4	1.620	2.509	13.7	21.4
5 21	13 12.80	+ 4 29.2	1.684	2.494	17.0	21.6

110977 2001 UK_{183} 4 16.3 102°.61 2°.9/13.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 4.76	− 4 8.9	1.882	2.723	13.4	20.3
3 22	13 59.28	− 3 28.8	1.823	2.740	10.0	20.1
4 1	13 51.77	− 2 43.9	1.788	2.758	6.2	19.9
4 11	13 43.02	− 1 59.7	1.780	2.775	3.1	19.8
4 21	13 33.96	− 1 21.5	1.800	2.792	4.2	19.9
5 1	13 25.55	− 0 53.9	1.848	2.808	7.7	20.1
5 11	13 18.62	− 0 40.3	1.921	2.824	11.2	20.4
5 21	13 13.68	− 0 41.7	2.016	2.839	14.1	20.6

168810 2000 SR_{174} 4 16.3 219°.88 3°.7/20.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 1.01	−24 31.5	2.666	3.430	12.1	20.4
3 22	13 56.33	−24 37.5	2.567	3.424	9.8	20.3
4 1	13 49.96	−24 28.8	2.491	3.418	7.3	20.1
4 11	13 42.43	−24 5.3	2.441	3.412	4.9	19.9
4 21	13 34.43	−23 28.6	2.418	3.406	3.7	19.8
5 1	13 26.72	−22 42.0	2.425	3.399	5.1	19.9
5 11	13 20.03	−21 50.4	2.459	3.392	7.7	20.1
5 21	13 14.88	−20 58.9	2.519	3.385	10.3	20.2

9142 Rhesus 4 16.3 262°.11 2°.6/11.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	13 52.53	+ 2 18.9	4.532	5.369	6.2	18.0
3 22	13 49.29	+ 2 59.4	4.448	5.360	4.7	17.9
4 1	13 45.25	+ 3 39.8	4.391	5.351	3.3	17.8
4 11	13 40.71	+ 4 17.7	4.363	5.342	2.6	17.7
4 21	13 35.99	+ 4 50.8	4.365	5.333	3.2	17.8
5 1	13 31.43	+ 5 16.9	4.396	5.323	4.7	17.8
5 11	13 27.34	+ 5 34.7	4.454	5.314	6.2	18.0
5 21	13 23.99	+ 5 43.5	4.536	5.305	7.7	18.1

136761 1996 GH_{14} 4 16.3 245°.06 0°.8/15.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 3.33	− 8 45.7	2.263	3.089	12.0	19.9
3 22	13 58.21	− 8 34.3	2.169	3.078	9.1	19.7
4 1	13 51.21	− 8 15.9	2.100	3.067	5.6	19.5
4 11	13 42.89	− 7 53.1	2.058	3.056	2.0	19.2
4 21	13 34.02	− 7 29.4	2.044	3.044	2.3	19.2
5 1	13 25.47	− 7 8.7	2.060	3.033	6.0	19.5
5 11	13 18.05	− 6 54.7	2.103	3.020	9.6	19.6
5 21	13 12.34	− 6 50.0	2.169	3.008	12.7	19.8

497887 2006 UM_{266} 4 16.3 264°.51 1°.7/14.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 6.81	− 7 8.9	1.936	2.766	13.5	22.2
3 22	14 1.35	− 6 46.7	1.828	2.739	10.3	22.0
4 1	13 53.47	− 6 16.4	1.743	2.711	6.5	21.7
4 11	13 43.78	− 5 41.7	1.685	2.683	2.5	21.3
4 21	13 33.17	− 5 7.0	1.655	2.653	3.3	21.3
5 1	13 22.75	− 4 37.7	1.654	2.623	7.7	21.5
5 11	13 13.60	− 4 18.9	1.679	2.591	11.9	21.7
5 21	13 6.54	− 4 13.6	1.726	2.559	15.7	21.9

274757 2008 UG_{281} 4 16.3 318°.92 3°.0/13.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 1.67	− 3 47.7	1.876	2.722	13.2	20.0
3 22	13 57.18	− 3 10.1	1.799	2.720	9.9	19.8
4 1	13 50.62	− 2 27.3	1.747	2.718	6.2	19.6
4 11	13 42.69	− 1 44.7	1.721	2.716	3.3	19.4
4 21	13 34.25	− 1 7.6	1.722	2.714	4.4	19.4
5 1	13 26.29	− 0 41.2	1.751	2.712	8.0	19.6
5 11	13 19.68	− 0 29.1	1.804	2.710	11.6	19.9
5 21	13 15.01	− 0 32.7	1.879	2.708	14.8	20.1

200155 1998 RG_{20} 4 16.3 219°.39 2°.5/18.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 3.24	−19 28.4	2.378	3.167	12.6	21.1
3 22	13 58.16	−19 32.0	2.280	3.160	10.0	20.9
4 1	13 51.18	−19 22.3	2.206	3.153	7.0	20.7
4 11	13 42.89	−18 59.8	2.158	3.145	3.9	20.5
4 21	13 34.05	−18 26.7	2.139	3.136	2.7	20.4
5 1	13 25.52	−17 46.8	2.149	3.128	5.3	20.6
5 11	13 18.11	−17 5.1	2.186	3.119	8.5	20.8
5 21	13 12.43	−16 26.5	2.248	3.109	11.5	20.9

7369 Gavrilin 4 16.3 181°.10 8°.8/26.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 9.59	−41 5.3	2.475	3.123	15.6	18.5
3 22	14 3.28	−41 34.8	2.378	3.125	13.9	18.3
4 1	13 54.53	−41 40.0	2.298	3.126	12.0	18.2
4 11	13 44.10	−41 17.4	2.241	3.126	10.2	18.1
4 21	13 33.00	−40 26.1	2.209	3.126	9.0	18.0
5 1	13 22.43	−39 9.1	2.202	3.124	8.9	18.0
5 11	13 13.43	−37 33.0	2.222	3.121	10.0	18.1
5 21	13 6.70	−35 46.7	2.267	3.117	11.9	18.2

506253 2016 PB_{25} 4 16.3 168°.69 2°.2/18.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 1.96	−18 39.8	2.579	3.370	11.7	21.9
3 22	13 56.99	−18 46.8	2.490	3.371	9.2	21.7
4 1	13 50.34	−18 42.3	2.425	3.373	6.3	21.6
4 11	13 42.57	−18 27.0	2.387	3.374	3.4	21.4
4 21	13 34.38	−18 2.9	2.377	3.375	2.4	21.3
5 1	13 26.51	−17 33.2	2.397	3.376	4.8	21.5
5 11	13 19.69	−17 2.2	2.445	3.377	7.8	21.6
5 21	13 14.42	−16 33.8	2.517	3.377	10.5	21.8

127188 2002 GE_{172} 4 16.3 346°.83 1°.3/15.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 0.89	− 9 22.4	1.851	2.690	13.7	20.1
3 22	13 56.65	− 8 43.6	1.774	2.690	10.3	19.9
4 1	13 50.32	− 7 54.6	1.719	2.690	6.3	19.6
4 11	13 42.59	− 6 59.8	1.691	2.690	2.3	19.3
4 21	13 34.37	− 6 4.8	1.690	2.689	2.9	19.4
5 1	13 26.64	− 5 15.8	1.717	2.689	7.1	19.6
5 11	13 20.27	− 4 38.0	1.769	2.689	11.0	19.9
5 21	13 15.86	− 4 14.8	1.843	2.689	14.3	20.1

8512 1991 PC_{11} 4 16.3 165°.05 2°.9/13.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 1.77	− 4 2.5	2.237	3.075	11.7	17.9
3 22	13 56.89	− 3 5.8	2.163	3.079	8.7	17.7
4 1	13 50.27	− 2 3.8	2.114	3.083	5.5	17.5
4 11	13 42.54	− 1 1.9	2.094	3.087	3.0	17.4
4 21	13 34.45	− 0 5.3	2.102	3.090	4.2	17.4
5 1	13 26.80	+ 0 40.8	2.139	3.092	7.3	17.6
5 11	13 20.31	+ 1 12.9	2.202	3.094	10.4	17.8
5 21	13 15.49	+ 1 29.3	2.287	3.096	13.1	18.0

126541 2002 CC_{92} 4 16.3 264.°93 4.°8/19.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 5.47	−23 6.4	1.958	2.740	15.2	20.1
3 22	14 0.41	−23 42.4	1.861	2.730	12.4	19.9
4 1	13 52.90	−24 2.0	1.786	2.720	9.2	19.6
4 11	13 43.60	−24 3.9	1.736	2.710	6.2	19.4
4 21	13 33.47	−23 48.3	1.712	2.700	4.8	19.3
5 1	13 23.66	−23 18.7	1.716	2.690	6.8	19.4
5 11	13 15.26	−22 41.0	1.745	2.680	10.1	19.6
5 21	13 9.07	−22 1.7	1.798	2.670	13.5	19.8

348830 2006 RQ_{68} 4 16.3 262.°29 0.°4/15.9 17

3 12	14 0.41	−10 48.2	2.222	3.049	12.1	21.5
3 22	13 56.03	−10 24.8	2.134	3.044	9.2	21.3
4 1	13 49.84	− 9 52.2	2.071	3.038	5.7	21.1
4 11	13 42.43	− 9 13.4	2.035	3.033	2.0	20.8
4 21	13 34.56	− 8 32.4	2.027	3.028	2.0	20.8
5 1	13 27.04	− 7 53.8	2.047	3.022	5.8	21.0
5 11	13 20.66	− 7 22.1	2.094	3.017	9.4	21.2
5 21	13 15.94	− 7 0.4	2.165	3.011	12.5	21.4

64820 2001 XR_{238} 4 16.3 37.°99 2.°2/18.0 18

3 12	14 2.67	−17 14.0	1.704	2.523	15.6	19.1
3 22	13 58.26	−17 12.8	1.626	2.526	12.2	18.9
4 1	13 51.46	−16 55.4	1.570	2.529	8.2	18.7
4 11	13 43.05	−16 23.6	1.539	2.532	4.0	18.4
4 21	13 34.03	−15 41.1	1.534	2.536	2.6	18.3
5 1	13 25.57	−14 53.7	1.557	2.539	6.4	18.6
5 11	13 18.67	−14 8.3	1.604	2.543	10.6	18.8
5 21	13 14.01	−13 30.7	1.674	2.547	14.2	19.1

369073 2008 FO_{54} 4 16.3 169.°49 1.°2/15.1 16

3 12	14 1.80	−11 3.4	2.128	2.954	12.6	20.9
3 22	13 57.04	− 9 57.2	2.048	2.958	9.5	20.7
4 1	13 50.43	− 8 39.0	1.993	2.961	5.8	20.5
4 11	13 42.63	− 7 13.9	1.966	2.964	2.0	20.3
4 21	13 34.43	− 5 48.1	1.968	2.966	2.7	20.3
5 1	13 26.70	− 4 28.4	1.999	2.968	6.5	20.6
5 11	13 20.20	− 3 20.7	2.058	2.969	10.1	20.8
5 21	13 15.47	− 2 28.8	2.139	2.970	13.2	21.0

215684 2003 WR_{158} 4 16.3 204.°74 1.°1/15.3 16

3 12	14 4.54	− 9 46.2	1.999	2.826	13.3	21.7
3 22	13 59.32	− 9 8.9	1.911	2.821	10.0	21.5
4 1	13 51.99	− 8 21.3	1.848	2.816	6.2	21.3
4 11	13 43.22	− 7 27.2	1.811	2.810	2.2	21.0
4 21	13 33.88	− 6 31.9	1.803	2.803	2.7	21.0
5 1	13 24.97	− 5 41.3	1.824	2.795	6.8	21.2
5 11	13 17.38	− 5 0.6	1.871	2.787	10.7	21.5
5 21	13 11.75	− 4 33.4	1.941	2.778	14.1	21.7

216879 2008 FS_{76} 4 16.3 288.°46 0.°4/15.9 18

3 12	13 58.59	−11 17.3	2.332	3.159	11.6	20.8
3 22	13 54.63	−10 46.2	2.238	3.147	8.8	20.6
4 1	13 48.96	−10 5.4	2.168	3.135	5.5	20.4
4 11	13 42.14	− 9 17.8	2.125	3.123	1.9	20.1
4 21	13 34.83	− 8 27.7	2.110	3.112	2.0	20.1
5 1	13 27.83	− 7 39.7	2.125	3.100	5.7	20.3
5 11	13 21.86	− 6 58.7	2.165	3.088	9.1	20.5
5 21	13 17.45	− 6 28.0	2.230	3.076	12.2	20.7

306278 2011 SH_{12} 4 16.3 179.°49 0.°8/17.2 18

3 12	14 3.91	−13 40.1	3.080	3.876	9.9	21.2
3 22	13 58.15	−13 47.3	2.988	3.877	7.6	21.1
4 1	13 50.94	−13 47.4	2.921	3.878	4.9	20.9
4 11	13 42.79	−13 41.4	2.884	3.879	2.1	20.7
4 21	13 34.27	−13 31.1	2.877	3.878	1.4	20.6
5 1	13 26.03	−13 18.7	2.901	3.878	4.2	20.8
5 11	13 18.66	−13 7.2	2.954	3.877	7.0	21.0
5 21	13 12.62	−12 59.1	3.034	3.875	9.4	21.2

498734 2008 TA_{139} 4 16.3 152.°94 1.°7/17.8 17

3 12	14 3.45	−16 9.1	2.057	2.867	13.6	21.5
3 22	13 58.47	−16 11.2	1.974	2.869	10.6	21.3
4 1	13 51.44	−16 0.7	1.913	2.870	7.0	21.1
4 11	13 43.02	−15 39.0	1.879	2.872	3.3	20.9
4 21	13 34.07	−15 9.0	1.873	2.874	2.2	20.8
5 1	13 25.56	−14 35.0	1.895	2.875	5.7	21.0
5 11	13 18.36	−14 2.3	1.943	2.877	9.4	21.3
5 21	13 13.09	−13 35.5	2.016	2.878	12.6	21.5

428010 2006 BK_{111} 4 16.3 66.°07 1.°6/17.6 17

3 12	14 3.25	−15 38.3	1.824	2.643	14.7	21.6
3 22	13 58.51	−15 37.8	1.748	2.648	11.4	21.4
4 1	13 51.53	−15 23.6	1.694	2.654	7.5	21.2
4 11	13 43.06	−14 57.5	1.665	2.659	3.4	21.0
4 21	13 34.05	−14 23.2	1.663	2.665	2.2	20.9
5 1	13 25.56	−13 45.6	1.689	2.671	6.2	21.1
5 11	13 18.56	−13 10.7	1.741	2.676	10.1	21.4
5 21	13 13.67	−12 43.2	1.815	2.682	13.6	21.6

23953 1998 UV_{30} 4 16.3 273.°37 3.°6/12.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	13 59.83	− 3 3.1	2.103	2.949	12.0	18.7
3 22	13 55.75	− 1 56.8	2.009	2.929	9.1	18.5
4 1	13 49.77	− 0 43.9	1.939	2.908	5.9	18.2
4 11	13 42.45	+ 0 29.8	1.897	2.888	3.7	18.0
4 21	13 34.55	+ 1 37.9	1.883	2.867	5.0	18.1
5 1	13 26.95	+ 2 34.0	1.897	2.846	8.3	18.2
5 11	13 20.47	+ 3 13.6	1.935	2.825	11.7	18.4
5 21	13 15.70	+ 3 34.4	1.995	2.803	14.8	18.6

43967 1997 FM_2 4 16.3 104.°10 0.°1/16.4 18

3 12	14 7.58	−11 48.8	1.745	2.570	15.1	18.9
3 22	14 1.64	−11 39.5	1.682	2.588	11.4	18.7
4 1	13 53.39	−11 19.2	1.641	2.607	7.1	18.5
4 11	13 43.68	−10 50.7	1.626	2.624	2.5	18.2
4 21	13 33.56	−10 18.5	1.640	2.642	2.2	18.2
5 1	13 24.15	− 9 47.8	1.681	2.658	6.6	18.6
5 11	13 16.42	− 9 23.6	1.748	2.675	10.7	18.8
5 21	13 10.94	− 9 9.5	1.838	2.691	14.1	19.1

318885 2005 TB_{127} 4 16.3 350.°87 0.°5/15.9 17

3 12	13 58.66	−12 31.4	1.445	2.294	16.3	20.1
3 22	13 55.55	−11 48.8	1.370	2.290	12.4	19.8
4 1	13 49.91	−10 49.4	1.315	2.287	7.7	19.5
4 11	13 42.54	− 9 38.3	1.285	2.284	2.6	19.2
4 21	13 34.51	− 8 22.9	1.280	2.282	2.8	19.2
5 1	13 27.05	− 7 12.2	1.301	2.281	7.9	19.5
5 11	13 21.26	− 6 14.3	1.346	2.280	12.6	19.8
5 21	13 17.83	− 5 34.3	1.410	2.279	16.6	20.0

469388 2001 SV_{318} 4 16.3 204.°17 0.°0/16.3 17

3 12	14 1.24	−11 45.6	2.873	3.684	10.1	22.6
3 22	13 56.26	−11 26.9	2.778	3.679	7.7	22.4
4 1	13 49.82	−11 0.5	2.709	3.673	4.8	22.2
4 11	13 42.41	−10 28.6	2.669	3.666	1.7	22.0
4 21	13 34.63	− 9 54.0	2.658	3.660	1.5	21.9
5 1	13 27.11	− 9 20.1	2.678	3.652	4.7	22.2
5 11	13 20.49	− 8 50.3	2.725	3.645	7.6	22.3
5 21	13 15.20	− 8 27.6	2.798	3.636	10.2	22.5

358001 2006 DD_{69} 4 16.3 45.°22 0.°5/16.1 18

3 12	14 9.86	− 8 16.5	1.223	2.073	18.6	20.1
3 22	14 4.29	− 8 40.8	1.163	2.083	14.1	19.8
4 1	13 55.49	− 8 56.9	1.123	2.094	8.8	19.6
4 11	13 44.51	− 9 7.3	1.106	2.105	3.1	19.2
4 21	13 32.81	− 9 15.3	1.114	2.116	2.9	19.3
5 1	13 22.04	− 9 25.2	1.148	2.128	8.6	19.6
5 11	13 13.57	− 9 41.5	1.205	2.140	13.6	19.9
5 21	13 8.17	−10 6.8	1.281	2.153	17.8	20.2

497281 2005 QS_{126} 4 16.3 230.°82 0.°1/16.2 17

3 12	14 3.42	−12 16.1	2.066	2.887	13.2	23.1
3 22	13 58.51	−11 49.6	1.971	2.876	10.0	22.9
4 1	13 51.51	−11 11.5	1.900	2.865	6.3	22.7
4 11	13 43.08	−10 24.7	1.855	2.853	2.2	22.4
4 21	13 34.03	− 9 33.5	1.839	2.841	2.1	22.3
5 1	13 25.33	− 8 43.4	1.852	2.828	6.3	22.6
5 11	13 17.87	− 8 0.1	1.891	2.814	10.2	22.8
5 21	13 12.31	− 7 27.7	1.954	2.801	13.6	23.0

374947 2007 BA_{65} 4 16.3 0.°84 4.°5/12.8 17

3 12	13 57.02	− 4 6.7	1.277	2.151	16.4	20.2
3 22	13 54.47	− 2 58.8	1.213	2.148	12.3	19.9
4 1	13 49.28	− 1 41.8	1.171	2.147	7.8	19.7
4 11	13 42.32	− 0 24.8	1.152	2.147	4.6	19.5
4 21	13 34.73	+ 0 42.5	1.158	2.148	6.3	19.6
5 1	13 27.82	+ 1 31.3	1.187	2.150	10.7	19.8
5 11	13 22.68	+ 1 56.2	1.237	2.153	15.0	20.1
5 21	13 19.98	+ 1 56.0	1.306	2.157	18.8	20.3

301293 2009 BS_{123} 4 16.3 347.°04 3.°9/12.3 17

3 12	13 57.32	− 3 5.2	1.929	2.783	12.6	20.2
3 22	13 53.88	− 1 50.7	1.855	2.780	9.4	20.0
4 1	13 48.56	− 0 30.1	1.806	2.777	6.1	19.8
4 11	13 42.00	+ 0 49.9	1.784	2.774	3.9	19.6
4 21	13 35.01	+ 2 2.1	1.789	2.772	5.3	19.7
5 1	13 28.46	+ 3 0.2	1.820	2.770	8.6	19.9
5 11	13 23.13	+ 3 39.7	1.876	2.768	11.9	20.1
5 21	13 19.56	+ 3 59.2	1.953	2.767	14.9	20.3

228350 2000 SV_{282} 4 16.3 172.°11 3.°1/19.7 17

3 12	14 2.69	−22 53.5	2.343	3.119	13.2	21.1
3 22	13 57.72	−22 37.5	2.253	3.122	10.5	20.9
4 1	13 50.88	−22 4.6	2.187	3.125	7.5	20.7
4 11	13 42.81	−21 15.6	2.146	3.127	4.5	20.5
4 21	13 34.30	−20 13.8	2.134	3.129	3.1	20.4
5 1	13 26.22	−19 4.0	2.151	3.130	5.3	20.6
5 11	13 19.35	−17 52.7	2.196	3.130	8.4	20.8
5 21	13 14.23	−16 45.8	2.266	3.130	11.3	21.0

297260 1995 SO_{68} 4 16.3 253°.89 0°.2/16.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 0.53	−12 31.0	2.404	3.222	11.6	21.9
3 22	13 56.06	−12 11.2	2.307	3.211	8.8	21.6
4 1	13 49.86	−11 41.5	2.235	3.199	5.6	21.4
4 11	13 42.47	−11 4.5	2.190	3.187	2.0	21.2
4 21	13 34.59	−10 23.6	2.173	3.175	1.7	21.1
5 1	13 26.99	− 9 43.0	2.186	3.163	5.4	21.3
5 11	13 20.43	− 9 7.2	2.226	3.150	8.8	21.5
5 21	13 15.43	− 8 39.8	2.290	3.138	11.8	21.7

519366 2011 NL_4 4 16.3 171°.10 1°.4/14.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 3.24	− 5 44.1	2.605	3.430	10.6	21.1
3 22	13 57.82	− 5 36.5	2.522	3.431	7.9	20.9
4 1	13 50.81	− 5 25.2	2.465	3.433	4.9	20.8
4 11	13 42.77	− 5 12.6	2.437	3.434	2.0	20.5
4 21	13 34.35	− 5 1.7	2.438	3.435	2.5	20.6
5 1	13 26.29	− 4 55.2	2.469	3.436	5.6	20.8
5 11	13 19.25	− 4 55.6	2.527	3.436	8.6	21.0
5 21	13 13.69	− 5 4.5	2.610	3.437	11.2	21.2

409341 2004 XX_{26} 4 16.3 163°.67 2°.6/18.5 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 5.25	−19 31.2	1.773	2.577	15.7	22.1
3 22	14 0.15	−19 16.9	1.692	2.581	12.4	21.8
4 1	13 52.62	−18 44.0	1.633	2.585	8.4	21.6
4 11	13 43.47	−17 54.0	1.599	2.589	4.4	21.4
4 21	13 33.73	−16 51.1	1.592	2.592	2.8	21.3
5 1	13 24.56	−15 42.0	1.612	2.594	6.4	21.5
5 11	13 16.99	−14 34.7	1.659	2.596	10.5	21.7
5 21	13 11.69	−13 35.9	1.729	2.597	14.1	22.0

334767 2003 SF_{71} 4 16.3 221°.72 1°.9/18.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 0.99	−18 59.6	2.274	3.072	12.9	21.3
3 22	13 56.53	−18 34.8	2.178	3.065	10.1	21.1
4 1	13 50.20	−17 54.7	2.106	3.058	6.8	20.9
4 11	13 42.60	−17 0.9	2.060	3.051	3.4	20.6
4 21	13 34.51	−15 57.2	2.043	3.043	2.2	20.5
5 1	13 26.77	−14 48.9	2.054	3.035	5.3	20.7
5 11	13 20.18	−13 42.1	2.093	3.027	8.8	20.9
5 21	13 15.31	−12 42.4	2.157	3.018	12.0	21.1

269933 2000 QG_{214} 4 16.3 197°.98 3°.8/19.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 7.15	−21 15.8	2.183	2.963	13.9	21.0
3 22	14 1.34	−21 44.8	2.090	2.960	11.2	20.9
4 1	13 53.32	−21 59.6	2.019	2.957	8.1	20.6
4 11	13 43.74	−21 59.6	1.975	2.954	5.0	20.5
4 21	13 33.49	−21 45.7	1.959	2.951	3.8	20.4
5 1	13 23.60	−21 21.0	1.971	2.947	6.0	20.5
5 11	13 15.02	−20 50.7	2.011	2.942	9.2	20.7
5 21	13 8.44	−20 20.3	2.075	2.937	12.3	20.9

300857 2007 YW_{37} 4 16.3 225°.10 4°.9/10.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 0.90	+ 4 38.7	2.530	3.370	10.4	20.9
3 22	13 56.14	+ 5 30.6	2.452	3.363	8.1	20.7
4 1	13 49.80	+ 6 21.1	2.399	3.355	5.9	20.6
4 11	13 42.43	+ 7 5.2	2.375	3.348	4.9	20.5
4 21	13 34.69	+ 7 38.4	2.378	3.339	6.0	20.6
5 1	13 27.28	+ 7 57.0	2.409	3.331	8.2	20.7
5 11	13 20.87	+ 7 59.4	2.465	3.322	10.7	20.8
5 21	13 15.93	+ 7 45.4	2.543	3.313	13.0	21.0

249815 2001 FW_4 4 16.3 126°.05 16°.0/23.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 24.20	−38 8.2	1.305	2.017	24.7	20.4
3 22	14 17.09	−40 58.2	1.238	2.027	22.2	20.3
4 1	14 4.83	−43 20.5	1.187	2.036	19.5	20.1
4 11	13 48.25	−45 0.7	1.155	2.045	17.3	20.0
4 21	13 29.32	−45 48.1	1.144	2.053	16.1	19.9
5 1	13 10.97	−45 41.3	1.154	2.061	16.4	20.0
5 11	12 55.95	−44 51.3	1.184	2.068	18.0	20.1
5 21	12 45.87	−43 35.1	1.232	2.075	20.2	20.2

389275 2009 HJ_{18} 4 16.3 342°.19 0°.9/15.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 0.03	− 9 18.4	2.178	3.010	12.2	21.3
3 22	13 55.74	− 8 53.5	2.096	3.009	9.1	21.1
4 1	13 49.67	− 8 20.3	2.039	3.008	5.6	20.9
4 11	13 42.41	− 7 42.4	2.008	3.007	2.0	20.6
4 21	13 34.71	− 7 3.9	2.006	3.005	2.4	20.7
5 1	13 27.40	− 6 29.3	2.031	3.005	6.1	20.9
5 11	13 21.24	− 6 2.9	2.083	3.004	9.5	21.1
5 21	13 16.76	− 5 47.4	2.159	3.003	12.6	21.3

121008 Michellecrigger 4 16.3 126°.82 9°.0/22.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 20.11	−31 47.8	1.866	2.582	18.1	20.1
3 22	14 11.83	−33 24.6	1.790	2.600	15.5	19.9
4 1	14 0.25	−34 39.8	1.736	2.617	12.7	19.7
4 11	13 46.27	−35 27.2	1.705	2.633	10.3	19.6
4 21	13 31.26	−35 43.7	1.701	2.648	9.1	19.6
5 1	13 16.87	−35 31.1	1.724	2.663	9.8	19.6
5 11	13 4.58	−34 56.7	1.773	2.676	11.9	19.8
5 21	12 55.35	−34 10.3	1.845	2.689	14.4	20.0

389763 2011 SD_{212} 4 16.3 342°.32 2°.6/13.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	13 58.08	− 6 2.4	2.047	2.893	12.3	20.4
3 22	13 54.36	− 5 1.9	1.970	2.891	9.2	20.2
4 1	13 48.83	− 3 53.6	1.917	2.889	5.7	20.0
4 11	13 42.11	− 2 43.1	1.891	2.887	2.8	19.8
4 21	13 34.98	− 1 36.5	1.893	2.885	4.0	19.9
5 1	13 28.25	− 0 39.8	1.923	2.884	7.4	20.1
5 11	13 22.71	+ 0 2.4	1.978	2.882	10.8	20.3
5 21	13 18.86	+ 0 27.7	2.055	2.881	13.8	20.5

470362 2007 SL_{22} 4 16.3 289°.65 4°.0/13.0 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 5.78	− 0 23.9	2.102	2.939	12.4	21.5
3 22	14 0.47	+ 0 9.0	1.987	2.900	9.5	21.2
4 1	13 52.92	+ 0 44.9	1.896	2.861	6.3	21.0
4 11	13 43.67	+ 1 18.9	1.832	2.822	4.0	20.7
4 21	13 33.51	+ 1 45.6	1.797	2.781	5.3	20.7
5 1	13 23.44	+ 2 0.2	1.790	2.740	8.7	20.8
5 11	13 14.47	+ 1 59.2	1.809	2.699	12.4	21.0
5 21	13 7.37	+ 1 41.0	1.850	2.656	15.9	21.1

123825 2001 CL_4 4 16.3 25°.03 3°.0/18.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 3.67	−17 22.7	1.580	2.401	16.5	18.4
3 22	13 59.18	−17 49.3	1.509	2.408	12.9	18.2
4 1	13 52.13	−18 0.4	1.459	2.416	8.8	17.9
4 11	13 43.34	−17 56.5	1.434	2.424	4.7	17.7
4 21	13 33.90	−17 40.0	1.434	2.433	3.2	17.6
5 1	13 25.09	−17 15.9	1.460	2.443	6.8	17.9
5 11	13 17.99	−16 50.3	1.511	2.453	10.9	18.1
5 21	13 13.31	−16 29.0	1.584	2.464	14.6	18.4

154715 2004 LB_6 4 16.3 209°.00 1°.2/15.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 16.69	−11 50.3	1.587	2.401	16.8	22.2
3 22	14 9.28	−10 51.8	1.490	2.392	12.9	21.9
4 1	13 58.68	− 9 34.9	1.416	2.381	8.1	21.6
4 11	13 45.74	− 8 4.2	1.369	2.367	2.8	21.2
4 21	13 31.73	− 6 27.9	1.351	2.350	3.4	21.2
5 1	13 18.22	− 4 56.1	1.363	2.331	9.0	21.5
5 11	13 6.62	− 3 38.7	1.401	2.310	14.1	21.8
5 21	12 57.89	− 2 41.8	1.462	2.285	18.5	22.0

402023 2003 SP_{87} 4 16.3 171°.47 1°.9/14.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 6.48	− 6 38.5	2.115	2.943	12.7	21.7
3 22	14 0.57	− 6 6.3	2.037	2.947	9.5	21.5
4 1	13 52.67	− 5 27.4	1.983	2.951	5.9	21.3
4 11	13 43.47	− 4 46.0	1.957	2.954	2.4	21.1
4 21	13 33.82	− 4 6.7	1.960	2.956	3.2	21.1
5 1	13 24.66	− 3 34.2	1.993	2.958	6.8	21.4
5 11	13 16.82	− 3 12.3	2.052	2.958	10.4	21.6
5 21	13 10.86	− 3 3.3	2.134	2.958	13.4	21.8

234556 2001 WU_{17} 4 16.3 270°.40 0°.1/16.3 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 6.75	−11 11.0	1.510	2.346	16.4	20.6
3 22	14 1.93	−11 6.9	1.414	2.327	12.6	20.3
4 1	13 54.17	−10 50.5	1.339	2.308	8.1	20.0
4 11	13 44.18	−10 24.4	1.290	2.288	2.9	19.6
4 21	13 33.09	− 9 52.7	1.266	2.268	2.6	19.6
5 1	13 22.32	− 9 21.7	1.269	2.248	8.1	19.8
5 11	13 13.24	− 8 58.0	1.295	2.227	13.2	20.1
5 21	13 6.80	− 8 46.6	1.343	2.206	17.7	20.3

273085 2006 EU_{21} 4 16.3 277°.48 0°.4/15.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 1.59	−11 5.0	1.904	2.736	13.7	21.2
3 22	13 57.24	−10 41.2	1.818	2.730	10.3	20.9
4 1	13 50.77	−10 6.4	1.755	2.724	6.5	20.7
4 11	13 42.85	− 9 24.0	1.719	2.718	2.2	20.4
4 21	13 34.35	− 8 38.7	1.710	2.711	2.3	20.4
5 1	13 26.26	− 7 56.1	1.729	2.705	6.6	20.6
5 11	13 19.51	− 7 21.6	1.773	2.699	10.6	20.9
5 21	13 14.71	− 6 58.8	1.840	2.693	14.1	21.1

513066 2017 WU_{18} 4 16.3 181°.48 1°.3/14.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 2.55	− 6 22.0	2.582	3.408	10.7	21.9
3 22	13 57.34	− 6 9.5	2.498	3.408	8.0	21.7
4 1	13 50.54	− 5 52.5	2.440	3.408	4.9	21.5
4 11	13 42.71	− 5 33.8	2.411	3.408	1.9	21.3
4 21	13 34.49	− 5 16.5	2.410	3.408	2.5	21.3
5 1	13 26.63	− 5 3.5	2.440	3.407	5.6	21.5
5 11	13 19.77	− 4 57.6	2.496	3.406	8.6	21.7
5 21	13 14.40	− 5 0.6	2.577	3.405	11.3	21.9

443275 2014 EQ_{30} 4 16.3 253°.47 3°.3/12.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	13 58.08	− 2 21.8	2.366	3.210	10.9	21.3
3 22	13 54.13	− 1 19.4	2.288	3.208	8.1	21.1
4 1	13 48.59	− 0 12.9	2.236	3.205	5.3	20.9
4 11	13 42.03	+ 0 52.5	2.212	3.202	3.4	20.8
4 21	13 35.10	+ 1 51.5	2.216	3.199	4.6	20.8
5 1	13 28.52	+ 2 39.2	2.248	3.195	7.4	21.0
5 11	13 22.97	+ 3 12.2	2.306	3.192	10.2	21.2
5 21	13 18.90	+ 3 28.9	2.386	3.189	12.8	21.4

348852 2006 ST_{86} 4 16.3 102°.26 1°.0/15.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	13 58.49	−10 27.6	2.268	3.098	11.8	21.4
3 22	13 54.49	− 9 36.8	2.189	3.101	8.8	21.2
4 1	13 48.84	− 8 36.2	2.135	3.104	5.4	20.9
4 11	13 42.11	− 7 29.9	2.109	3.107	1.9	20.7
4 21	13 35.03	− 6 23.1	2.111	3.110	2.4	20.8
5 1	13 28.34	− 5 21.3	2.142	3.113	6.0	21.0
5 11	13 22.76	− 4 29.4	2.200	3.116	9.3	21.2
5 21	13 18.74	− 3 50.5	2.281	3.119	12.2	21.4

467924 2011 YK_{39} 4 16.3 31°.49 9°.2/ 9.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 2.87	+ 7 59.6	1.354	2.220	16.2	20.4
3 22	13 58.63	+ 9 24.4	1.304	2.225	12.9	20.2
4 1	13 51.76	+10 42.9	1.276	2.230	10.1	20.0
4 11	13 43.18	+11 44.0	1.272	2.237	9.2	20.0
4 21	13 34.13	+12 19.2	1.291	2.243	10.8	20.1
5 1	13 25.90	+12 23.7	1.332	2.250	13.8	20.3
5 11	13 19.55	+11 57.7	1.394	2.257	17.0	20.5
5 21	13 15.70	+11 4.8	1.473	2.265	19.9	20.7

7028 Tachikawa 4 16.3 241°.10 1°.6/14.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 0.75	− 7 43.5	2.158	2.993	12.2	17.6
3 22	13 56.33	− 7 7.3	2.073	2.988	9.1	17.4
4 1	13 50.07	− 6 23.3	2.012	2.982	5.6	17.1
4 11	13 42.58	− 5 35.5	1.979	2.977	2.2	16.9
4 21	13 34.62	− 4 48.7	1.974	2.971	3.0	16.9
5 1	13 27.03	− 4 8.0	1.997	2.965	6.6	17.2
5 11	13 20.60	− 3 37.6	2.046	2.959	10.1	17.4
5 21	13 15.87	− 3 20.1	2.118	2.953	13.1	17.5

336477 2008 VD_{27} 4 16.3 313°.43 0°.8/17.0 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 2.47	−13 47.0	1.934	2.756	13.9	21.1
3 22	13 57.88	−13 41.0	1.850	2.755	10.6	20.9
4 1	13 51.16	−13 23.2	1.789	2.753	6.9	20.7
4 11	13 42.99	−12 55.7	1.755	2.751	2.7	20.4
4 21	13 34.25	−12 22.1	1.747	2.750	1.9	20.3
5 1	13 25.96	−11 47.3	1.768	2.748	6.1	20.6
5 11	13 19.01	−11 16.6	1.814	2.747	10.0	20.8
5 21	13 14.04	−10 54.1	1.884	2.745	13.4	21.0

273357 2006 UG_{145} 4 16.3 134°.97 4°.3/20.2 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 6.77	−24 9.5	2.052	2.823	15.0	21.8
3 22	14 1.02	−24 19.1	1.974	2.837	12.1	21.7
4 1	13 53.06	−24 10.2	1.917	2.849	8.9	21.5
4 11	13 43.63	−23 42.8	1.886	2.861	5.7	21.3
4 21	13 33.72	−22 59.0	1.883	2.873	4.3	21.2
5 1	13 24.37	−22 3.8	1.908	2.884	6.1	21.4
5 11	13 16.52	−21 4.1	1.960	2.894	9.2	21.6
5 21	13 10.77	−20 6.4	2.036	2.903	12.3	21.8

70121 1999 LY_{34} 4 16.3 314°.20 3°.2/14.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 2.92	− 5 9.9	1.318	2.179	16.8	18.6
3 22	13 59.15	− 4 40.9	1.237	2.165	12.7	18.3
4 1	13 52.42	− 4 3.3	1.177	2.151	8.0	18.0
4 11	13 43.55	− 3 23.3	1.141	2.138	3.7	17.7
4 21	13 33.72	− 2 48.1	1.129	2.125	5.0	17.7
5 1	13 24.39	− 2 25.0	1.141	2.112	9.9	18.0
5 11	13 16.91	− 2 19.5	1.176	2.100	14.9	18.2
5 21	13 12.15	− 2 33.7	1.229	2.089	19.2	18.4

162591 2000 SF_{40} 4 16.3 231°.31 1°.8/14.9 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 6.59	− 7 12.5	1.831	2.664	14.1	21.0
3 22	14 1.15	− 6 45.1	1.739	2.652	10.6	20.8
4 1	13 53.32	− 6 9.3	1.671	2.640	6.6	20.5
4 11	13 43.79	− 5 29.3	1.629	2.627	2.6	20.2
4 21	13 33.53	− 4 50.2	1.616	2.613	3.4	20.3
5 1	13 23.65	− 4 17.6	1.630	2.599	7.7	20.5
5 11	13 15.20	− 3 56.4	1.670	2.584	11.9	20.7
5 21	13 8.93	− 3 49.7	1.732	2.568	15.6	20.9

111541 2001 YJ_{132} 4 16.3 172°.98 5°.7/22.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 3.54	−30 2.7	2.581	3.311	13.2	20.1
3 22	13 58.43	−30 36.0	2.488	3.313	11.2	20.0
4 1	13 51.41	−30 52.4	2.417	3.313	8.9	19.8
4 11	13 43.07	−30 50.3	2.370	3.314	6.9	19.7
4 21	13 34.18	−30 30.1	2.350	3.315	5.8	19.6
5 1	13 25.61	−29 54.3	2.357	3.315	6.4	19.7
5 11	13 18.20	−29 7.9	2.392	3.315	8.3	19.8
5 21	13 12.53	−28 16.6	2.451	3.315	10.6	19.9

285054 2011 HK_{18} 4 16.3 105°.15 1°.7/17.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 12.85	−13 25.3	2.043	2.843	14.0	20.7
3 22	14 5.47	−14 6.9	1.968	2.858	10.8	20.5
4 1	13 55.80	−14 39.8	1.917	2.873	7.1	20.3
4 11	13 44.60	−15 3.7	1.894	2.888	3.2	20.1
4 21	13 32.87	−15 19.8	1.901	2.902	2.3	20.1
5 1	13 21.72	−15 30.4	1.938	2.916	5.9	20.3
5 11	13 12.12	−15 38.9	2.004	2.929	9.6	20.6
5 21	13 4.72	−15 48.9	2.094	2.943	12.7	20.8

435046 2006 WX_{64} 4 16.3 117°.75 6°.3/25.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 1.33	−36 15.2	2.699	3.389	13.6	21.0
3 22	13 56.63	−36 8.7	2.611	3.400	11.7	20.9
4 1	13 50.16	−35 40.6	2.542	3.410	9.6	20.7
4 11	13 42.58	−34 50.2	2.498	3.421	7.7	20.6
4 21	13 34.66	−33 39.1	2.480	3.431	6.4	20.5
5 1	13 27.23	−32 11.4	2.490	3.440	6.5	20.6
5 11	13 21.02	−30 33.4	2.527	3.450	8.0	20.7
5 21	13 16.50	−28 52.3	2.591	3.459	10.0	20.8

37227 2000 WW_{142} 4 16.3 193°.66 11°.4/ 3.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 7.26	+26 11.2	2.268	3.060	13.1	18.7
3 22	14 1.09	+27 29.6	2.223	3.058	12.0	18.6
4 1	13 52.94	+28 30.4	2.200	3.056	11.4	18.5
4 11	13 43.55	+29 6.4	2.200	3.054	11.6	18.5
4 21	13 33.84	+29 13.1	2.224	3.051	12.6	18.6
5 1	13 24.75	+28 49.1	2.269	3.047	14.0	18.7
5 11	13 17.10	+27 56.5	2.334	3.043	15.5	18.8
5 21	13 11.39	+26 39.8	2.415	3.039	16.9	18.9

53796 2000 EK_{111} 4 16.3 324°.55 6°.0/13.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 3.24	+ 0 11.9	1.102	1.978	18.3	18.4
3 22	13 59.91	+ 0 44.1	1.025	1.959	14.1	18.1
4 1	13 53.18	+ 1 18.9	0.968	1.941	9.5	17.8
4 11	13 43.90	+ 1 47.4	0.933	1.925	6.2	17.5
4 21	13 33.42	+ 2 0.8	0.920	1.909	7.8	17.6
5 1	13 23.48	+ 1 51.9	0.929	1.894	12.6	17.8
5 11	13 15.68	+ 1 17.4	0.959	1.880	17.7	18.0
5 21	13 11.03	+ 0 18.4	1.004	1.867	22.3	18.2

53563 2000 CJ_{29} 4 16.3 187°.48 2°.3/14.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 5.68	− 7 41.2	1.752	2.589	14.5	19.5
3 22	14 0.40	− 6 45.7	1.673	2.589	10.8	19.3
4 1	13 52.77	− 5 39.7	1.618	2.588	6.7	19.0
4 11	13 43.57	− 4 28.9	1.589	2.587	2.8	18.8
4 21	13 33.79	− 3 20.2	1.589	2.584	3.9	18.8
5 1	13 24.55	− 2 21.1	1.616	2.581	8.1	19.1
5 11	13 16.86	− 1 37.1	1.668	2.577	12.2	19.3
5 21	13 11.36	− 1 11.4	1.742	2.572	15.7	19.5

416294 2003 QK_{99} 4 16.3 291°.76 9°.9/19.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 17.43	−26 26.9	1.567	2.330	19.2	20.9
3 22	14 11.19	−28 32.4	1.451	2.298	16.5	20.6
4 1	14 0.90	−30 27.8	1.356	2.266	13.5	20.3
4 11	13 46.94	−32 4.2	1.284	2.234	10.8	20.1
4 21	13 30.46	−33 13.0	1.238	2.202	9.9	19.9
5 1	13 13.37	−33 49.8	1.218	2.169	11.8	19.9
5 11	12 57.90	−33 57.7	1.223	2.136	15.3	20.0
5 21	12 45.80	−33 46.2	1.248	2.103	19.2	20.2

3703 Volkonskaya 4 16.3 252°.48 2°.4/14.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 2.31	− 8 4.2	1.653	2.498	14.8	18.0
3 22	13 58.11	− 7 2.0	1.566	2.486	11.1	17.7
4 1	13 51.49	− 5 47.0	1.502	2.474	6.9	17.5
4 11	13 43.17	− 4 25.3	1.463	2.461	2.9	17.2
4 21	13 34.13	− 3 4.8	1.452	2.448	4.2	17.2
5 1	13 25.52	− 1 54.0	1.468	2.434	8.7	17.5
5 11	13 18.41	− 0 59.9	1.508	2.420	13.0	17.7
5 21	13 13.53	− 0 26.3	1.568	2.406	16.8	17.9

286137 2001 TR_{184} 4 16.3 160°.22 1°.3/17.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 0.81	−16 31.9	2.560	3.362	11.5	21.7
3 22	13 56.12	−16 16.6	2.475	3.365	8.9	21.5
4 1	13 49.83	−15 50.0	2.413	3.369	5.9	21.3
4 11	13 42.49	−15 13.9	2.379	3.372	2.7	21.1
4 21	13 34.77	−14 31.3	2.374	3.375	1.7	21.0
5 1	13 27.42	−13 46.3	2.398	3.378	4.7	21.2
5 11	13 21.09	−13 3.2	2.450	3.380	7.8	21.4
5 21	13 16.27	−12 26.1	2.527	3.382	10.6	21.6

55686 2041 $T\text{-}_2$ 4 16.3 246°.73 0°.4/16.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 5.47	−12 10.3	1.581	2.414	15.9	19.8
3 22	14 0.76	−11 39.2	1.487	2.399	12.2	19.5
4 1	13 53.31	−10 52.6	1.416	2.384	7.7	19.2
4 11	13 43.86	− 9 54.3	1.369	2.368	2.7	18.8
4 21	13 33.50	− 8 50.1	1.350	2.351	2.7	18.8
5 1	13 23.54	− 7 47.8	1.357	2.334	7.9	19.1
5 11	13 15.20	− 6 55.5	1.389	2.317	12.8	19.3
5 21	13 9.34	− 6 18.7	1.442	2.298	17.1	19.5

120132 2003 FY_{128} 4 16.3 32°.96 0°.2/19.9 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	13 41.10	−20 7.5	39.623	40.389	0.9	20.8
3 22	13 40.41	−20 5.5	39.531	40.394	0.7	20.7
4 1	13 39.64	−20 2.6	39.464	40.400	0.5	20.7
4 11	13 38.83	−19 59.1	39.426	40.405	0.3	20.7
4 21	13 38.00	−19 55.1	39.417	40.410	0.2	20.7
5 1	13 37.18	−19 50.7	39.437	40.415	0.4	20.7
5 11	13 36.41	−19 46.1	39.486	40.420	0.6	20.7
5 21	13 35.71	−19 41.5	39.562	40.425	0.8	20.7

299878 2006 SH_{312} 4 16.3 216°.48 0°.1/16.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 0.94	−11 38.1	2.647	3.463	10.8	21.6
3 22	13 56.20	−11 20.4	2.554	3.457	8.1	21.4
4 1	13 49.88	−10 54.7	2.486	3.450	5.1	21.2
4 11	13 42.52	−10 23.0	2.446	3.444	1.8	21.0
4 21	13 34.74	− 9 48.6	2.435	3.437	1.6	20.9
5 1	13 27.25	− 9 15.0	2.454	3.429	5.0	21.1
5 11	13 20.71	− 8 46.1	2.500	3.422	8.1	21.3
5 21	13 15.61	− 8 24.8	2.572	3.414	10.9	21.5

206767 2004 CM_{30} 4 16.3 115°.99 0°.4/15.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 0.58	−11 29.3	2.179	3.005	12.4	21.7
3 22	13 56.14	−10 58.2	2.102	3.010	9.3	21.5
4 1	13 49.92	−10 17.0	2.048	3.015	5.8	21.3
4 11	13 42.53	− 9 29.2	2.022	3.020	2.0	21.1
4 21	13 34.76	− 8 39.3	2.024	3.025	2.0	21.1
5 1	13 27.42	− 7 52.2	2.055	3.030	5.8	21.3
5 11	13 21.26	− 7 12.7	2.112	3.034	9.3	21.6
5 21	13 16.79	− 6 44.1	2.192	3.039	12.3	21.8

384805 2012 QU_{34} 4 16.3 182°.31 2°.5/18.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 1.67	−20 3.7	2.266	3.059	13.1	21.6
3 22	13 57.04	−19 54.1	2.177	3.059	10.3	21.4
4 1	13 50.53	−19 29.4	2.111	3.059	7.2	21.2
4 11	13 42.77	−18 50.9	2.072	3.059	3.9	21.0
4 21	13 34.53	−18 1.6	2.060	3.059	2.6	20.9
5 1	13 26.69	−17 6.1	2.077	3.058	5.3	21.0
5 11	13 20.04	−16 10.3	2.122	3.057	8.6	21.2
5 21	13 15.13	−15 19.4	2.190	3.056	11.6	21.4

334898 2003 WC_{72} 4 16.3 111°.78 2°.4/18.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 2.60	−20 21.3	2.394	3.181	12.6	21.1
3 22	13 57.49	−20 7.9	2.321	3.198	9.9	20.9
4 1	13 50.67	−19 40.1	2.270	3.216	6.8	20.7
4 11	13 42.78	−18 59.5	2.247	3.233	3.7	20.6
4 21	13 34.57	−18 9.2	2.252	3.250	2.5	20.5
5 1	13 26.84	−17 13.8	2.286	3.266	4.9	20.7
5 11	13 20.32	−16 18.9	2.348	3.282	8.0	20.9
5 21	13 15.46	−15 29.0	2.435	3.297	10.8	21.1

255695 2006 QZ_{65} 4 16.3 315°.96 0°.4/16.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 4.01	− 9 23.8	1.303	2.157	17.5	20.2
3 22	14 0.24	− 9 32.6	1.213	2.136	13.4	19.8
4 1	13 53.31	− 9 31.3	1.143	2.115	8.6	19.5
4 11	13 43.96	− 9 22.7	1.096	2.095	3.0	19.1
4 21	13 33.39	− 9 11.0	1.074	2.076	3.0	19.0
5 1	13 23.16	− 9 1.7	1.076	2.057	8.8	19.3
5 11	13 14.77	− 9 0.9	1.101	2.039	14.3	19.6
5 21	13 9.27	− 9 12.7	1.144	2.022	19.0	19.8

462186 2007 TR_{446} 4 16.3 192°.23 3°.2/13.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 5.16	− 3 57.9	2.054	2.890	12.7	22.3
3 22	13 59.68	− 3 2.3	1.973	2.888	9.5	22.1
4 1	13 52.20	− 2 0.6	1.917	2.886	6.0	21.9
4 11	13 43.36	− 0 58.5	1.889	2.882	3.3	21.7
4 21	13 34.03	− 0 1.9	1.890	2.878	4.5	21.8
5 1	13 25.16	+ 0 43.6	1.919	2.873	7.9	22.0
5 11	13 17.59	+ 1 13.8	1.974	2.867	11.4	22.2
5 21	13 11.90	+ 1 27.1	2.051	2.860	14.4	22.4

351918 2006 SB_{386} 4 16.3 88°.57 4°.8/10.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	13 59.31	+ 2 39.5	2.307	3.154	11.1	21.4
3 22	13 54.99	+ 3 44.6	2.247	3.164	8.4	21.2
4 1	13 49.10	+ 4 49.4	2.213	3.173	5.9	21.1
4 11	13 42.22	+ 5 47.9	2.206	3.183	4.8	21.0
4 21	13 35.07	+ 6 35.2	2.226	3.193	5.9	21.1
5 1	13 28.36	+ 7 7.2	2.275	3.203	8.3	21.3
5 11	13 22.74	+ 7 21.7	2.347	3.212	10.9	21.5
5 21	13 18.66	+ 7 18.9	2.441	3.222	13.2	21.6

241497 2009 CC_{4} 4 16.3 115°.41 6°.0/ 9.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 1.33	+ 7 14.3	2.331	3.173	11.1	20.8
3 22	13 56.46	+ 8 19.8	2.276	3.184	8.7	20.7
4 1	13 49.99	+ 9 21.3	2.247	3.196	6.7	20.6
4 11	13 42.54	+10 12.9	2.245	3.207	6.0	20.6
4 21	13 34.83	+10 49.7	2.270	3.218	7.1	20.6
5 1	13 27.60	+11 8.4	2.322	3.229	9.2	20.8
5 11	13 21.51	+11 8.0	2.399	3.239	11.5	21.0
5 21	13 17.00	+10 49.5	2.496	3.250	13.6	21.1

299471 2006 BZ_{119} 4 16.3 168°.27 3°.9/19.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 6.65	−21 44.6	1.667	2.464	16.9	21.1
3 22	14 1.48	−21 51.3	1.585	2.467	13.5	20.8
4 1	13 53.64	−21 37.7	1.524	2.469	9.6	20.6
4 11	13 43.95	−21 3.8	1.488	2.471	5.7	20.4
4 21	13 33.55	−20 12.7	1.477	2.473	4.0	20.3
5 1	13 23.72	−19 10.5	1.494	2.474	6.9	20.5
5 11	13 15.64	−18 5.7	1.536	2.475	10.9	20.7
5 21	13 10.05	−17 6.2	1.601	2.475	14.7	20.9

335767 2007 EV_{145} 4 16.3 209°.49 0°.7/15.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	13 53.13	− 7 47.4	4.677	5.498	6.3	21.3
3 22	13 49.76	− 7 25.6	4.589	5.497	4.7	21.2
4 1	13 45.61	− 7 0.5	4.527	5.495	2.9	21.1
4 11	13 40.98	− 6 34.0	4.495	5.493	1.1	20.9
4 21	13 36.18	− 6 7.7	4.493	5.491	1.4	20.9
5 1	13 31.53	− 5 43.6	4.521	5.489	3.2	21.1
5 11	13 27.35	− 5 23.5	4.578	5.487	5.0	21.2
5 21	13 23.90	− 5 8.7	4.661	5.485	6.7	21.3

85276 1994 PY_{4} 4 16.3 274°.46 2°.2/13.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	13 58.90	− 6 1.8	2.319	3.158	11.3	20.2
3 22	13 54.89	− 5 13.1	2.227	3.144	8.5	20.0
4 1	13 49.18	− 4 17.5	2.160	3.130	5.3	19.8
4 11	13 42.32	− 3 19.3	2.120	3.116	2.5	19.6
4 21	13 34.99	− 2 23.5	2.109	3.102	3.5	19.6
5 1	13 27.95	− 1 35.2	2.127	3.088	6.7	19.8
5 11	13 21.94	− 0 58.7	2.170	3.074	10.0	20.0
5 21	13 17.47	− 0 36.4	2.236	3.060	12.9	20.1

353572 2011 SA_{252} 4 16.3 168°.83 1°.1/14.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	13 59.14	− 8 36.7	2.940	3.763	9.6	21.7
3 22	13 54.62	− 7 57.8	2.858	3.766	7.2	21.5
4 1	13 48.80	− 7 12.6	2.802	3.769	4.4	21.3
4 11	13 42.13	− 6 24.3	2.774	3.772	1.6	21.1
4 21	13 35.18	− 5 36.5	2.777	3.775	2.1	21.1
5 1	13 28.54	− 4 52.7	2.810	3.777	5.0	21.3
5 11	13 22.75	− 4 16.3	2.870	3.778	7.7	21.5
5 21	13 18.22	− 3 49.6	2.955	3.779	10.1	21.7

231764 1999 VB_{24} 4 16.3 143°.21 1°.8/18.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 2.22	−19 6.6	2.476	3.267	12.2	21.1
3 22	13 57.20	−18 42.9	2.395	3.278	9.5	20.9
4 1	13 50.51	−18 5.3	2.338	3.288	6.4	20.7
4 11	13 42.75	−17 15.9	2.308	3.298	3.2	20.5
4 21	13 34.66	−16 18.1	2.307	3.307	2.1	20.5
5 1	13 27.00	−15 16.7	2.336	3.316	4.8	20.7
5 11	13 20.46	−14 17.0	2.393	3.324	7.9	20.9
5 21	13 15.53	−13 23.6	2.475	3.332	10.8	21.1

160272 2002 TW_{64} 4 16.3 225°.53 12°.5/10.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 20.47	+16 45.5	1.329	2.156	18.7	19.1
3 22	14 12.42	+17 35.4	1.261	2.148	15.9	18.9
4 1	14 0.73	+18 7.9	1.214	2.140	13.4	18.8
4 11	13 46.50	+18 10.6	1.190	2.130	12.5	18.7
4 21	13 31.38	+17 35.7	1.190	2.120	13.7	18.7
5 1	13 17.24	+16 21.1	1.214	2.110	16.6	18.8
5 11	13 5.62	+14 31.8	1.259	2.098	19.9	19.0
5 21	12 57.42	+12 16.7	1.322	2.086	23.0	19.2

413008 1999 VP_{197} 4 16.3 176°.15 2°.4/14.0 15

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 5.49	− 5 4.7	2.300	3.128	11.8	22.8
3 22	13 59.70	− 4 21.9	2.220	3.131	8.8	22.6
4 1	13 52.11	− 3 33.7	2.166	3.134	5.5	22.4
4 11	13 43.33	− 2 44.4	2.141	3.136	2.6	22.2
4 21	13 34.15	− 1 58.8	2.145	3.137	3.6	22.3
5 1	13 25.40	− 1 21.3	2.178	3.137	6.8	22.5
5 11	13 17.85	− 0 55.7	2.239	3.136	10.0	22.7
5 21	13 12.02	− 0 43.7	2.322	3.134	12.9	22.9

392542 2011 RY_{16} 4 16.3 261°.60 2°.7/13.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	13 59.49	− 4 24.6	2.362	3.201	11.1	21.2
3 22	13 55.30	− 3 34.1	2.270	3.187	8.3	21.0
4 1	13 49.43	− 2 37.8	2.204	3.173	5.3	20.8
4 11	13 42.41	− 1 40.3	2.165	3.159	2.8	20.6
4 21	13 34.93	− 0 46.6	2.155	3.144	3.9	20.6
5 1	13 27.74	− 0 1.6	2.173	3.130	7.0	20.8
5 11	13 21.56	+ 0 30.7	2.218	3.115	10.1	20.9
5 21	13 16.91	+ 0 48.3	2.285	3.100	12.9	21.1

68976 2002 RJ_{116} 4 16.3 260°.42 1°.1/15.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 4.40	− 9 42.9	1.921	2.751	13.7	21.1
3 22	13 59.56	− 9 9.1	1.817	2.728	10.4	20.8
4 1	13 52.40	− 8 23.9	1.736	2.704	6.5	20.6
4 11	13 43.56	− 7 31.1	1.682	2.680	2.3	20.2
4 21	13 33.89	− 6 35.8	1.655	2.655	2.8	20.2
5 1	13 24.48	− 5 44.2	1.658	2.629	7.3	20.4
5 11	13 16.34	− 5 2.4	1.685	2.603	11.6	20.6
5 21	13 10.24	− 4 34.7	1.736	2.576	15.3	20.8

392980 2012 XJ_{47} 4 16.3 42°.04 1°.2/15.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 0.70	− 7 46.6	2.211	3.045	12.0	21.3
3 22	13 56.20	− 7 26.9	2.136	3.050	8.9	21.1
4 1	13 49.96	− 7 0.8	2.085	3.055	5.5	20.9
4 11	13 42.58	− 6 31.6	2.062	3.060	2.0	20.6
4 21	13 34.83	− 6 3.2	2.067	3.066	2.5	20.7
5 1	13 27.50	− 5 39.6	2.100	3.071	6.1	20.9
5 11	13 21.32	− 5 24.2	2.159	3.077	9.4	21.1
5 21	13 16.79	− 5 19.2	2.242	3.083	12.3	21.3

470504 2008 CZ_{89} 4 16.3 184°.24 4°.6/11.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 0.44	+ 3 31.7	2.546	3.387	10.3	21.8
3 22	13 55.77	+ 4 25.9	2.475	3.387	7.9	21.7
4 1	13 49.59	+ 5 19.5	2.429	3.387	5.7	21.5
4 11	13 42.44	+ 6 7.2	2.410	3.386	4.6	21.5
4 21	13 34.96	+ 6 44.7	2.421	3.386	5.6	21.5
5 1	13 27.84	+ 7 8.4	2.459	3.385	7.9	21.7
5 11	13 21.72	+ 7 16.3	2.522	3.383	10.4	21.8
5 21	13 17.05	+ 7 8.4	2.608	3.382	12.6	22.0

112372 2002 NW_{21} 4 16.3 294°.26 1°.6/15.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 1.51	− 9 27.8	1.497	2.347	15.8	20.2
3 22	13 57.88	− 8 46.8	1.405	2.327	12.0	19.9
4 1	13 51.58	− 7 51.8	1.335	2.308	7.5	19.6
4 11	13 43.32	− 6 47.6	1.289	2.288	2.7	19.2
4 21	13 34.14	− 5 41.4	1.270	2.269	3.6	19.2
5 1	13 25.33	− 4 41.7	1.275	2.250	8.7	19.5
5 11	13 18.11	− 3 56.1	1.305	2.231	13.6	19.7
5 21	13 13.33	− 3 29.5	1.354	2.212	17.8	19.9

502558 2015 BK_{480} 4 16.4 104°.54 1°.0/17.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 2.25	−15 57.6	1.933	2.749	14.1	21.9
3 22	13 57.61	−15 27.9	1.860	2.760	10.8	21.7
4 1	13 50.93	−14 43.5	1.811	2.772	7.0	21.5
4 11	13 42.95	−13 47.4	1.787	2.783	2.9	21.3
4 21	13 34.56	−12 44.6	1.791	2.794	1.9	21.2
5 1	13 26.72	−11 41.3	1.824	2.804	5.9	21.5
5 11	13 20.28	−10 43.9	1.883	2.815	9.7	21.8
5 21	13 15.79	− 9 57.3	1.965	2.825	13.0	22.0

233706 2008 SF_{74} 4 16.4 173°.79 2°.0/18.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 2.14	−18 35.6	2.201	3.000	13.2	20.7
3 22	13 57.43	−18 21.7	2.115	3.002	10.3	20.5
4 1	13 50.81	−17 53.1	2.051	3.003	7.0	20.3
4 11	13 42.92	−17 11.5	2.014	3.004	3.5	20.0
4 21	13 34.56	−16 20.3	2.005	3.005	2.3	20.0
5 1	13 26.61	−15 24.5	2.025	3.005	5.3	20.2
5 11	13 19.88	−14 29.8	2.071	3.006	8.8	20.4
5 21	13 14.93	−13 41.5	2.142	3.005	12.0	20.6

506882 2008 AV_{70} 4 16.4 131°.32 4°.1/20.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 1.58	−25 39.9	2.538	3.297	12.7	21.9
3 22	13 56.85	−25 47.6	2.451	3.303	10.4	21.7
4 1	13 50.38	−25 39.2	2.386	3.309	7.8	21.5
4 11	13 42.75	−25 14.8	2.347	3.315	5.3	21.4
4 21	13 34.70	−24 36.1	2.336	3.321	4.1	21.3
5 1	13 27.04	−23 46.9	2.353	3.326	5.3	21.4
5 11	13 20.48	−22 52.3	2.398	3.332	7.8	21.6
5 21	13 15.56	−21 57.7	2.467	3.337	10.4	21.7

346062 2007 UH_{63} 4 16.4 122°.21 0°.3/16.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 2.27	−10 51.1	2.435	3.254	11.5	22.2
3 22	13 57.20	−10 31.6	2.361	3.266	8.6	22.0
4 1	13 50.50	−10 4.2	2.312	3.278	5.4	21.8
4 11	13 42.77	− 9 31.5	2.291	3.289	1.8	21.6
4 21	13 34.72	− 8 57.1	2.299	3.300	1.8	21.6
5 1	13 27.10	− 8 24.9	2.337	3.311	5.3	21.9
5 11	13 20.58	− 7 58.5	2.401	3.322	8.4	22.1
5 21	13 15.63	− 7 40.7	2.490	3.332	11.2	22.3

429218 2009 XK_{17} 4 16.4 95°.90 1°.9/18.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 4.35	−18 20.3	2.174	2.970	13.4	21.9
3 22	13 58.88	−18 3.6	2.109	2.996	10.4	21.8
4 1	13 51.57	−17 32.6	2.069	3.021	6.9	21.6
4 11	13 43.14	−16 49.6	2.054	3.046	3.4	21.4
4 21	13 34.43	−15 58.4	2.069	3.070	2.2	21.4
5 1	13 26.32	−15 4.1	2.113	3.093	5.2	21.6
5 11	13 19.55	−14 12.3	2.184	3.116	8.5	21.9
5 21	13 14.62	−13 27.6	2.279	3.139	11.5	22.1

500754 2013 AN_{75} 4 16.4 163°.27 1°.6/18.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 3.50	−16 40.8	3.000	3.787	10.3	22.0
3 22	13 57.94	−16 48.7	2.911	3.793	8.0	21.9
4 1	13 50.91	−16 47.5	2.847	3.797	5.4	21.7
4 11	13 42.92	−16 38.3	2.811	3.802	2.7	21.5
4 21	13 34.57	−16 22.6	2.806	3.806	1.8	21.5
5 1	13 26.52	−16 3.1	2.831	3.809	4.2	21.6
5 11	13 19.38	−15 43.0	2.885	3.812	6.9	21.8
5 21	13 13.60	−15 25.3	2.965	3.815	9.4	22.0

505046 2011 RD_{16} 4 16.4 198°.77 3°.7/20.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 1.15	−23 56.8	2.403	3.176	13.0	22.2
3 22	13 56.65	−23 58.8	2.311	3.174	10.5	22.0
4 1	13 50.32	−23 44.6	2.241	3.173	7.7	21.8
4 11	13 42.76	−23 14.6	2.197	3.172	5.0	21.6
4 21	13 34.71	−22 30.8	2.180	3.170	3.7	21.5
5 1	13 27.02	−21 37.3	2.192	3.169	5.4	21.6
5 11	13 20.47	−20 39.6	2.231	3.167	8.2	21.8
5 21	13 15.60	−19 43.4	2.294	3.165	11.0	22.0

222285 2000 SF_{96} 4 16.4 184°.55 1°.1/17.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 1.74	−17 40.9	2.355	3.155	12.4	20.8
3 22	13 56.98	−16 57.9	2.265	3.155	9.6	20.6
4 1	13 50.46	−16 0.0	2.199	3.155	6.3	20.4
4 11	13 42.79	−14 49.9	2.160	3.154	2.8	20.2
4 21	13 34.70	−13 32.1	2.151	3.153	1.7	20.1
5 1	13 27.01	−12 12.5	2.171	3.151	5.2	20.3
5 11	13 20.47	−10 57.2	2.220	3.148	8.6	20.5
5 21	13 15.57	− 9 51.5	2.293	3.145	11.7	20.7

88808 2001 SF_{135} 4 16.4 281°.15 0°.9/16.9 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 4.40	−14 16.5	1.433	2.268	17.1	20.5
3 22	14 0.37	−14 4.6	1.335	2.247	13.4	20.2
4 1	13 53.35	−13 35.3	1.258	2.225	8.7	19.8
4 11	13 44.03	−12 50.6	1.205	2.202	3.5	19.5
4 21	13 33.54	−11 55.4	1.177	2.180	2.5	19.3
5 1	13 23.34	−10 57.1	1.175	2.157	8.1	19.6
5 11	13 14.86	−10 4.9	1.196	2.134	13.5	19.8
5 21	13 9.10	− 9 26.0	1.238	2.111	18.2	20.0

207083 2004 XA_{164} 4 16.4 190°.03 0°.1/16.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 3.88	−13 37.5	1.725	2.552	15.1	20.8
3 22	13 59.17	−12 52.1	1.643	2.552	11.5	20.5
4 1	13 52.10	−11 50.7	1.584	2.551	7.2	20.3
4 11	13 43.43	−10 37.6	1.551	2.549	2.6	20.0
4 21	13 34.16	− 9 19.2	1.545	2.547	2.3	19.9
5 1	13 25.43	− 8 3.5	1.567	2.544	7.1	20.2
5 11	13 18.23	− 6 57.9	1.615	2.541	11.4	20.5
5 21	13 13.24	− 6 7.9	1.685	2.538	15.1	20.7

31313 Kanwingyi 4 16.4 30°.33 0°.8/15.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 0.22	− 9 55.9	1.861	2.700	13.7	18.8
3 22	13 56.14	− 9 32.0	1.792	2.708	10.2	18.6
4 1	13 50.05	− 8 58.5	1.746	2.716	6.3	18.4
4 11	13 42.66	− 8 19.5	1.726	2.725	2.2	18.1
4 21	13 34.85	− 7 39.5	1.733	2.734	2.4	18.1
5 1	13 27.57	− 7 4.0	1.768	2.744	6.5	18.4
5 11	13 21.64	− 6 37.5	1.827	2.754	10.3	18.7
5 21	13 17.62	− 6 23.0	1.910	2.764	13.6	18.9

354848 2005 YZ_{132} 4 16.4 27°.70 4°.5/19.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 3.54	−20 9.2	1.145	1.980	20.6	20.5
3 22	13 59.98	−20 34.9	1.082	1.987	16.4	20.2
4 1	13 53.08	−20 36.7	1.038	1.994	11.6	20.0
4 11	13 43.87	−20 14.5	1.014	2.002	6.7	19.7
4 21	13 33.81	−19 31.8	1.013	2.011	4.6	19.6
5 1	13 24.61	−18 36.8	1.036	2.021	8.3	19.9
5 11	13 17.72	−17 40.3	1.080	2.032	13.1	20.2
5 21	13 13.95	−16 51.4	1.144	2.043	17.6	20.5

160339 2003 SY_{66} 4 16.4 240°.76 1°.0/15.4 18 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 1.03	− 9 47.2	2.151	2.981	12.4	20.4
3 22	13 56.63	− 9 9.8	2.062	2.973	9.3	20.2
4 1	13 50.35	− 8 22.8	1.996	2.965	5.8	19.9
4 11	13 42.80	− 7 29.8	1.958	2.956	2.0	19.7
4 21	13 34.73	− 6 35.7	1.948	2.947	2.5	19.7
5 1	13 27.03	− 5 45.9	1.966	2.938	6.3	19.9
5 11	13 20.47	− 5 5.3	2.011	2.929	10.0	20.1
5 21	13 15.64	− 4 37.2	2.079	2.919	13.2	20.3

297437 2000 SK_{173} 4 16.4 157°.11 1°.9/19.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	13 59.31	−21 32.5	2.964	3.740	10.7	21.3
3 22	13 54.81	−20 49.3	2.874	3.746	8.4	21.1
4 1	13 48.95	−19 52.0	2.809	3.752	5.8	21.0
4 11	13 42.24	−18 42.9	2.771	3.758	3.1	20.8
4 21	13 35.25	−17 25.3	2.764	3.763	2.0	20.7
5 1	13 28.62	−16 3.8	2.788	3.768	4.1	20.9
5 11	13 22.90	−14 43.7	2.841	3.772	6.8	21.1
5 21	13 18.50	−13 29.5	2.920	3.776	9.3	21.2

212841 2007 UV_{98} 4 16.4 44°.34 1°.0/15.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 1.30	− 9 3.1	1.881	2.719	13.6	20.8
3 22	13 56.88	− 8 40.8	1.816	2.732	10.1	20.6
4 1	13 50.48	− 8 10.1	1.775	2.745	6.2	20.4
4 11	13 42.81	− 7 34.8	1.760	2.758	2.2	20.2
4 21	13 34.77	− 6 59.7	1.772	2.772	2.6	20.2
5 1	13 27.30	− 6 29.5	1.812	2.786	6.5	20.5
5 11	13 21.20	− 6 8.6	1.877	2.800	10.2	20.8
5 21	13 17.00	− 5 59.4	1.964	2.815	13.4	21.0

215205 2000 SB_{224} 4 16.4 175°.43 0°.1/16.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 1.30	−11 40.7	2.833	3.645	10.2	21.3
3 22	13 56.35	−11 27.2	2.746	3.647	7.7	21.2
4 1	13 49.95	−11 6.3	2.685	3.648	4.9	21.0
4 11	13 42.61	−10 40.1	2.652	3.649	1.7	20.7
4 21	13 34.92	−10 11.4	2.648	3.650	1.5	20.7
5 1	13 27.55	− 9 43.3	2.675	3.650	4.6	20.9
5 11	13 21.08	− 9 19.2	2.730	3.650	7.5	21.1
5 21	13 15.96	− 9 1.7	2.809	3.650	10.1	21.3

53401 1999 JT_{115} 4 16.4 242°.60 2°.5/19.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	13 58.92	−21 54.0	2.331	3.119	12.9	18.5
3 22	13 54.97	−21 20.7	2.238	3.116	10.2	18.3
4 1	13 49.27	−20 30.0	2.168	3.113	7.2	18.1
4 11	13 42.41	−19 23.6	2.124	3.110	4.0	17.9
4 21	13 35.11	−18 5.6	2.108	3.106	2.6	17.8
5 1	13 28.20	−16 41.4	2.121	3.103	5.1	17.9
5 11	13 22.40	−15 18.0	2.162	3.100	8.3	18.1
5 21	13 18.24	−14 1.3	2.228	3.096	11.4	18.3

667 Denise 4 16.4 80°.21 8°.0/ 5.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	13 59.00	+12 50.6	2.298	3.139	11.3	14.4
3 22	13 54.78	+14 45.0	2.262	3.158	9.4	14.3
4 1	13 48.99	+16 30.9	2.252	3.176	8.1	14.2
4 11	13 42.26	+18 0.6	2.269	3.194	8.2	14.3
4 21	13 35.29	+19 8.6	2.312	3.213	9.4	14.4
5 1	13 28.83	+19 51.3	2.380	3.231	11.2	14.5
5 11	13 23.50	+20 8.7	2.469	3.249	13.0	14.7
5 21	13 19.71	+20 2.7	2.577	3.266	14.7	14.8

153947 2001 YG_{131} 4 16.4 223°.01 5°.0/20.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 7.81	−24 5.4	2.081	2.850	14.9	20.0
3 22	14 2.13	−24 45.1	1.984	2.843	12.2	19.8
4 1	13 54.04	−25 8.9	1.908	2.836	9.2	19.6
4 11	13 44.19	−25 14.8	1.858	2.828	6.3	19.4
4 21	13 33.53	−25 3.2	1.835	2.820	5.0	19.3
5 1	13 23.17	−24 36.7	1.841	2.812	6.7	19.4
5 11	13 14.20	−24 1.0	1.872	2.803	9.8	19.5
5 21	13 7.38	−23 22.6	1.928	2.794	12.9	19.7

456706 2007 RF_{253} 4 16.4 139°.54 0°.5/15.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 7.58	−10 15.6	1.841	2.666	14.4	21.8
3 22	14 1.69	− 9 59.6	1.769	2.677	10.8	21.6
4 1	13 53.55	− 9 33.9	1.721	2.688	6.7	21.3
4 11	13 43.93	− 9 1.9	1.699	2.697	2.3	21.1
4 21	13 33.83	− 8 27.8	1.705	2.707	2.4	21.1
5 1	13 24.35	− 7 56.9	1.740	2.715	6.7	21.4
5 11	13 16.41	− 7 33.9	1.801	2.723	10.7	21.6
5 21	13 10.63	− 7 21.9	1.885	2.730	14.1	21.9

229969 1999 TN_{249} 4 16.4 164°.14 2°.8/19.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 3.62	−20 46.2	2.359	3.143	12.9	20.9
3 22	13 58.46	−20 45.0	2.272	3.147	10.2	20.7
4 1	13 51.44	−20 29.2	2.208	3.151	7.2	20.5
4 11	13 43.18	−19 59.7	2.170	3.155	4.1	20.4
4 21	13 34.47	−19 18.9	2.161	3.158	2.9	20.3
5 1	13 26.15	−18 31.0	2.181	3.160	5.2	20.4
5 11	13 19.02	−17 41.5	2.229	3.163	8.3	20.6
5 21	13 13.63	−16 55.4	2.301	3.164	11.2	20.8

341692 2007 VD_{135} 4 16.4 247°.54 0°.5/16.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 1.26	−13 32.8	2.193	3.012	12.6	21.6
3 22	13 56.81	−13 14.8	2.103	3.006	9.6	21.4
4 1	13 50.48	−12 45.6	2.036	2.999	6.2	21.2
4 11	13 42.86	−12 7.7	1.996	2.993	2.4	20.9
4 21	13 34.73	−11 24.7	1.984	2.986	1.7	20.9
5 1	13 26.96	−10 41.4	2.001	2.980	5.6	21.1
5 11	13 20.34	−10 2.7	2.044	2.973	9.2	21.3
5 21	13 15.44	− 9 32.7	2.111	2.966	12.4	21.5

354170 2002 CO_{269} 4 16.4 299°.71 4°.4/20.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 2.09	−24 43.4	2.375	3.142	13.3	21.3
3 22	13 57.47	−25 6.3	2.281	3.139	10.9	21.2
4 1	13 50.92	−25 13.7	2.210	3.136	8.2	21.0
4 11	13 43.04	−25 5.0	2.164	3.133	5.6	20.8
4 21	13 34.60	−24 41.3	2.145	3.130	4.4	20.7
5 1	13 26.48	−24 5.7	2.154	3.127	5.8	20.8
5 11	13 19.51	−23 23.4	2.190	3.124	8.4	21.0
5 21	13 14.29	−22 39.8	2.250	3.121	11.2	21.1

306632 2000 QW_{226} 4 16.4 204°.51 5°.2/20.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 5.91	−26 11.3	1.832	2.604	16.5	20.7
3 22	14 0.91	−26 18.5	1.740	2.600	13.6	20.5
4 1	13 53.34	−26 3.4	1.668	2.596	10.2	20.2
4 11	13 43.96	−25 24.8	1.620	2.591	6.9	20.0
4 21	13 33.81	−24 24.7	1.598	2.586	5.2	19.9
5 1	13 24.13	−23 8.7	1.603	2.580	7.0	20.0
5 11	13 16.05	−21 45.6	1.635	2.573	10.5	20.2
5 21	13 10.34	−20 24.3	1.690	2.566	14.0	20.4

468413 2016 GH_{191} 4 16.4 331°.16 5°.5/11.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 0.06	+ 0 1.0	1.607	2.468	14.3	20.7
3 22	13 56.38	+ 1 15.1	1.536	2.462	10.9	20.5
4 1	13 50.40	+ 2 33.2	1.489	2.457	7.4	20.3
4 11	13 42.87	+ 3 46.9	1.467	2.452	5.5	20.1
4 21	13 34.78	+ 4 48.0	1.470	2.448	7.1	20.2
5 1	13 27.21	+ 5 29.6	1.499	2.444	10.5	20.4
5 11	13 21.14	+ 5 47.8	1.551	2.440	14.2	20.6
5 21	13 17.20	+ 5 42.4	1.621	2.436	17.4	20.8

328304 2008 GQ_{144} 4 16.4 255°.55 5°.5/11.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 2.34	+ 1 2.5	1.704	2.559	13.9	20.3
3 22	13 57.96	+ 2 10.5	1.633	2.555	10.6	20.1
4 1	13 51.32	+ 3 20.8	1.586	2.552	7.3	19.9
4 11	13 43.19	+ 4 25.6	1.565	2.549	5.5	19.8
4 21	13 34.51	+ 5 17.6	1.570	2.545	7.0	19.8
5 1	13 26.37	+ 5 50.6	1.601	2.542	10.3	20.0
5 11	13 19.70	+ 6 1.5	1.655	2.539	13.7	20.2
5 21	13 15.14	+ 5 50.3	1.729	2.535	16.8	20.4

82577 2001 OO_{86} 4 16.4 193°.50 1°.6/17.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 5.43	−15 29.1	1.829	2.644	14.9	19.5
3 22	14 0.32	−15 32.7	1.745	2.643	11.5	19.2
4 1	13 52.85	−15 23.0	1.683	2.642	7.6	19.0
4 11	13 43.76	−15 1.3	1.647	2.641	3.4	18.7
4 21	13 34.01	−14 30.8	1.638	2.640	2.3	18.6
5 1	13 24.73	−13 56.4	1.658	2.639	6.3	18.9
5 11	13 16.94	−13 24.0	1.703	2.637	10.4	19.1
5 21	13 11.33	−12 58.5	1.771	2.635	14.0	19.3

231777 1999 XM_{128} 4 16.4 110°.29 3°.9/13.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 8.52	− 3 6.8	1.387	2.239	16.7	20.5
3 22	14 2.93	− 2 29.5	1.328	2.250	12.5	20.2
4 1	13 54.54	− 1 47.1	1.290	2.260	8.0	20.0
4 11	13 44.33	− 1 6.5	1.276	2.270	4.2	19.8
4 21	13 33.58	− 0 34.7	1.289	2.280	5.5	19.9
5 1	13 23.68	− 0 17.6	1.327	2.290	9.8	20.2
5 11	13 15.77	− 0 18.5	1.389	2.299	14.1	20.4
5 21	13 10.54	− 0 37.9	1.470	2.308	17.7	20.7

438413 2006 VF_{47} 4 16.4 207°.34 0°.3/16.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 1.16	−10 44.3	2.729	3.545	10.5	22.0
3 22	13 56.34	−10 26.0	2.637	3.541	7.9	21.8
4 1	13 50.02	−10 0.3	2.571	3.536	4.9	21.6
4 11	13 42.68	− 9 29.7	2.532	3.531	1.7	21.4
4 21	13 34.95	− 8 57.0	2.524	3.525	1.7	21.4
5 1	13 27.51	− 8 25.9	2.545	3.519	4.9	21.6
5 11	13 20.99	− 7 59.8	2.593	3.512	8.0	21.8
5 21	13 15.86	− 7 41.3	2.667	3.506	10.6	21.9

133586 2003 UH_{64} 4 16.4 288°.47 8°.4/ 9.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 5.94	+ 6 46.0	1.536	2.390	15.2	19.7
3 22	14 1.31	+ 7 58.5	1.444	2.360	12.2	19.4
4 1	13 53.84	+ 9 10.1	1.374	2.329	9.5	19.2
4 11	13 44.23	+10 10.9	1.329	2.298	8.4	19.0
4 21	13 33.55	+10 51.3	1.309	2.267	10.1	19.0
5 1	13 23.14	+11 3.9	1.312	2.235	13.6	19.1
5 11	13 14.32	+10 45.7	1.337	2.203	17.4	19.3
5 21	13 8.01	+ 9 58.2	1.380	2.171	21.0	19.4

351566 2005 UU_{164} 4 16.4 4°.58 2°.4/15.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 7.36	− 5 1.3	1.101	1.966	19.1	20.5
3 22	14 2.90	− 5 9.4	1.037	1.966	14.5	20.3
4 1	13 54.98	− 5 12.0	0.991	1.966	9.1	20.0
4 11	13 44.61	− 5 13.7	0.968	1.966	3.6	19.6
4 21	13 33.31	− 5 19.6	0.968	1.968	4.4	19.7
5 1	13 22.84	− 5 34.6	0.993	1.970	10.0	20.0
5 11	13 14.72	− 6 2.3	1.038	1.974	15.3	20.3
5 21	13 9.82	− 6 43.8	1.102	1.977	19.8	20.6

363733 2004 XM_{49} 4 16.4 108°.76 3°.9/19.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 6.54	−22 37.4	1.656	2.450	17.1	21.0
3 22	14 1.27	−22 34.7	1.587	2.466	13.6	20.8
4 1	13 53.45	−22 10.4	1.538	2.481	9.7	20.6
4 11	13 43.95	−21 25.3	1.513	2.496	5.8	20.4
4 21	13 33.93	−20 23.4	1.515	2.511	4.0	20.4
5 1	13 24.65	−19 11.7	1.544	2.525	6.7	20.6
5 11	13 17.17	−17 59.1	1.599	2.539	10.5	20.8
5 21	13 12.13	−16 53.3	1.676	2.552	14.1	21.1

396352 2014 DV_{79} 4 16.4 38°.99 2°.9/13.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	13 59.13	− 3 53.0	2.175	3.020	11.7	20.9
3 22	13 55.06	− 3 5.6	2.104	3.024	8.7	20.7
4 1	13 49.30	− 2 13.6	2.058	3.028	5.5	20.5
4 11	13 42.44	− 1 21.9	2.039	3.033	3.0	20.4
4 21	13 35.23	− 0 35.6	2.049	3.038	4.1	20.4
5 1	13 28.44	+ 0 0.7	2.085	3.043	7.1	20.6
5 11	13 22.79	+ 0 23.5	2.148	3.048	10.3	20.8
5 21	13 18.75	+ 0 31.6	2.232	3.053	13.0	21.0

45115 1999 XN_{82} 4 16.4 264°.74 0°.3/16.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 3.86	−13 26.8	1.786	2.611	14.7	19.9
3 22	13 59.37	−13 1.0	1.684	2.591	11.3	19.6
4 1	13 52.43	−12 20.5	1.605	2.570	7.3	19.3
4 11	13 43.69	−11 27.8	1.551	2.548	2.7	19.0
4 21	13 34.08	−10 27.9	1.524	2.526	2.2	18.9
5 1	13 24.75	− 9 27.4	1.525	2.504	7.0	19.1
5 11	13 16.82	− 8 33.7	1.552	2.481	11.6	19.3
5 21	13 11.07	− 7 52.3	1.601	2.458	15.6	19.5

2020	α_{2000}	δ_{2000}	Δ	r	β	V
376283 2011 FR_{77}			4 16.4 329.°79		0.°1/16.4 17	
	h m	° ′			°	m
3 12	14 3.15	−11 3.9	1.647	2.484	15.2	20.6
3 22	13 58.83	−11 2.5	1.564	2.477	11.6	20.4
4 1	13 52.04	−10 50.4	1.503	2.471	7.3	20.1
4 11	13 43.52	−10 30.3	1.466	2.465	2.6	19.8
4 21	13 34.26	−10 6.2	1.457	2.459	2.3	19.7
5 1	13 25.47	− 9 43.2	1.473	2.453	7.1	20.0
5 11	13 18.21	− 9 26.6	1.515	2.448	11.5	20.3
5 21	13 13.23	− 9 20.4	1.578	2.444	15.3	20.5
263861 2009 CN_{30}			4 16.4 294.°80		8.°8/ 8.4 17	
3 12	14 0.75	+ 5 9.5	1.418	2.286	15.5	20.5
3 22	13 57.42	+ 7 3.0	1.338	2.262	12.3	20.2
4 1	13 51.38	+ 8 59.8	1.280	2.238	9.6	20.0
4 11	13 43.34	+10 47.8	1.246	2.214	8.9	19.9
4 21	13 34.38	+12 14.6	1.236	2.190	11.0	20.0
5 1	13 25.83	+13 10.4	1.250	2.166	14.6	20.1
5 11	13 18.90	+13 30.9	1.283	2.143	18.4	20.2
5 21	13 14.46	+13 16.6	1.332	2.119	21.8	20.4
111329 2001 XW_{87}			4 16.4 129.°26		5.°3/10.5 18	
3 12	13 59.98	+ 5 1.8	2.364	3.209	10.9	19.6
3 22	13 55.56	+ 6 0.2	2.298	3.211	8.4	19.4
4 1	13 49.55	+ 6 56.6	2.257	3.212	6.2	19.3
4 11	13 42.53	+ 7 45.5	2.243	3.214	5.3	19.2
4 21	13 35.17	+ 8 22.0	2.256	3.215	6.4	19.3
5 1	13 28.22	+ 8 42.6	2.297	3.217	8.7	19.4
5 11	13 22.33	+ 8 45.5	2.362	3.219	11.1	19.6
5 21	13 17.97	+ 8 31.0	2.448	3.220	13.4	19.8
19690 1999 RD_{212}			4 16.4 305.°59		4.°6/20.5 18	
3 12	14 1.64	−24 20.9	2.198	2.974	14.0	17.7
3 22	13 57.41	−24 47.2	2.094	2.957	11.5	17.5
4 1	13 51.06	−24 57.4	2.011	2.940	8.7	17.3
4 11	13 43.17	−24 50.6	1.952	2.924	5.9	17.0
4 21	13 34.55	−24 27.5	1.921	2.907	4.7	16.9
5 1	13 26.16	−23 51.2	1.917	2.891	6.2	17.0
5 11	13 18.95	−23 7.1	1.939	2.875	9.2	17.1
5 21	13 13.61	−22 21.3	1.984	2.860	12.2	17.3
194724 2001 XR_{257}			4 16.4 72.°96		1.°9/19.1 18	
3 12	13 56.98	−20 28.2	3.068	3.851	10.2	20.2
3 22	13 53.06	−20 7.2	2.988	3.864	8.0	20.1
4 1	13 47.88	−19 34.7	2.932	3.877	5.5	19.9
4 11	13 41.92	−18 52.1	2.904	3.890	3.1	19.8
4 21	13 35.71	−18 2.2	2.905	3.903	2.0	19.7
5 1	13 29.83	−17 8.5	2.936	3.916	3.9	19.9
5 11	13 24.78	−16 15.0	2.995	3.930	6.4	20.0
5 21	13 20.96	−15 25.5	3.080	3.943	8.7	20.2
385500 2004 DA_{73}			4 16.4 290.°39		3.°0/18.9 17	
3 12	14 2.80	−19 38.8	2.134	2.929	13.7	20.8
3 22	13 58.17	−19 54.6	2.040	2.922	10.9	20.6
4 1	13 51.46	−19 56.5	1.969	2.915	7.7	20.3
4 11	13 43.29	−19 44.6	1.923	2.908	4.4	20.1
4 21	13 34.50	−19 20.8	1.905	2.902	3.1	20.0
5 1	13 26.03	−18 48.8	1.915	2.895	5.7	20.2
5 11	13 18.79	−18 13.9	1.951	2.888	9.1	20.4
5 21	13 13.44	−17 41.2	2.011	2.881	12.3	20.6
219639 2001 UF_{66}			4 16.4 182.°46		0.°6/15.7 17	
3 12	14 4.91	− 9 48.9	2.656	3.468	10.8	22.1
3 22	13 59.15	− 9 25.5	2.568	3.470	8.1	21.9
4 1	13 51.77	− 8 54.8	2.505	3.470	5.1	21.7
4 11	13 43.34	− 8 19.6	2.471	3.469	1.8	21.5
4 21	13 34.51	− 7 43.2	2.468	3.468	1.9	21.5
5 1	13 26.02	− 7 9.3	2.495	3.466	5.2	21.7
5 11	13 18.56	− 6 41.4	2.550	3.463	8.4	21.9
5 21	13 12.60	− 6 22.3	2.631	3.459	11.1	22.1
133354 2003 SX_{124}			4 16.4 251.°90		0.°1/16.3 18	
3 12	14 2.90	−11 26.3	2.102	2.926	12.9	20.3
3 22	13 58.17	−11 11.1	2.009	2.915	9.8	20.1
4 1	13 51.42	−10 46.1	1.939	2.905	6.2	19.8
4 11	13 43.27	−10 13.7	1.896	2.894	2.2	19.5
4 21	13 34.53	− 9 37.9	1.881	2.883	2.0	19.5
5 1	13 26.12	− 9 3.2	1.895	2.872	6.1	19.8
5 11	13 18.91	− 8 34.4	1.935	2.860	9.9	20.0
5 21	13 13.53	− 8 15.2	1.999	2.849	13.2	20.1
355898 2008 WT_{66}			4 16.4 201.°49		2.°6/14.3 18	
3 12	14 7.26	− 5 38.1	1.806	2.641	14.1	22.1
3 22	14 1.65	− 4 57.6	1.723	2.638	10.6	21.9
4 1	13 53.68	− 4 9.4	1.664	2.633	6.7	21.6
4 11	13 44.08	− 3 18.9	1.631	2.627	3.1	21.4
4 21	13 33.85	− 2 31.9	1.627	2.621	4.1	21.4
5 1	13 24.11	− 1 54.5	1.651	2.614	8.2	21.6
5 11	13 15.86	− 1 31.2	1.700	2.606	12.2	21.9
5 21	13 9.80	− 1 24.4	1.770	2.597	15.6	22.1

2020	α_{2000}	δ_{2000}	Δ	r	β	V
303903 2005 TN_{144}			4 16.4 272.°86		1.°8/14.7 17	
	h m	° ′			°	m
3 12	14 2.05	− 5 32.9	2.427	3.258	11.1	20.8
3 22	13 57.27	− 5 14.3	2.329	3.241	8.4	20.6
4 1	13 50.75	− 4 51.0	2.256	3.224	5.2	20.3
4 11	13 43.02	− 4 26.1	2.211	3.207	2.2	20.1
4 21	13 34.76	− 4 3.1	2.194	3.190	2.9	20.1
5 1	13 26.75	− 3 45.8	2.207	3.172	6.2	20.3
5 11	13 19.74	− 3 37.3	2.246	3.155	9.5	20.5
5 21	13 14.28	− 3 39.5	2.309	3.137	12.4	20.6
96439 1998 FB_{79}			4 16.4 273.°95		5.°7/10.3 18	
3 12	14 0.01	+ 1 38.0	1.930	2.784	12.6	19.2
3 22	13 56.11	+ 3 8.5	1.846	2.766	9.7	19.0
4 1	13 50.18	+ 4 43.2	1.786	2.749	6.9	18.8
4 11	13 42.85	+ 6 13.9	1.753	2.731	5.7	18.7
4 21	13 34.92	+ 7 32.4	1.747	2.713	7.3	18.7
5 1	13 27.33	+ 8 32.0	1.767	2.695	10.4	18.9
5 11	13 20.96	+ 9 8.2	1.811	2.677	13.6	19.0
5 21	13 16.44	+ 9 20.3	1.875	2.658	16.5	19.2
31540 1999 DK_{2}			4 16.4 62.°46		3.°6/14.3 18	
3 12	14 9.24	− 0 56.9	1.632	2.475	15.0	17.1
3 22	14 3.17	− 0 53.5	1.566	2.483	11.4	16.8
4 1	13 54.60	− 0 49.5	1.522	2.490	7.3	16.6
4 11	13 44.39	− 0 49.5	1.505	2.498	3.9	16.4
4 21	13 33.66	− 0 57.4	1.515	2.506	4.9	16.5
5 1	13 23.62	− 1 16.4	1.551	2.514	8.7	16.7
5 11	13 15.33	− 1 48.1	1.613	2.522	12.6	17.0
5 21	13 9.43	− 2 32.3	1.697	2.530	15.9	17.2
250404 2003 UW_{218}			4 16.4 195.°50		1.°8/17.8 16	
3 12	14 5.66	−16 40.5	1.816	2.628	15.1	21.2
3 22	14 0.55	−16 33.8	1.730	2.626	11.8	21.0
4 1	13 53.04	−16 11.8	1.666	2.624	7.8	20.8
4 11	13 43.88	−15 36.0	1.628	2.622	3.6	20.5
4 21	13 34.05	−14 50.3	1.617	2.619	2.3	20.4
5 1	13 24.69	−14 0.1	1.634	2.616	6.4	20.6
5 11	13 16.85	−13 12.4	1.677	2.612	10.5	20.9
5 21	13 11.21	−12 32.7	1.743	2.608	14.2	21.1
209619 2005 AT_{19}			4 16.4 87.°34		1.°0/17.1 18	
3 12	14 7.23	−14 28.8	1.522	2.348	16.8	20.7
3 22	14 1.80	−14 18.6	1.461	2.367	12.8	20.5
4 1	13 53.77	−13 53.1	1.422	2.386	8.2	20.2
4 11	13 44.09	−13 15.5	1.408	2.405	3.3	20.0
4 21	13 33.94	−12 30.7	1.421	2.423	2.2	19.9
5 1	13 24.62	−11 45.4	1.460	2.441	7.0	20.3
5 11	13 17.16	−11 6.5	1.524	2.459	11.3	20.6
5 21	13 12.21	−10 38.8	1.610	2.476	15.1	20.8
502783 2015 DK_{97}			4 16.4 228.°56		2.°3/14.2 17	
3 12	14 1.82	− 5 44.0	2.144	2.981	12.2	21.6
3 22	13 57.22	− 5 3.6	2.059	2.975	9.1	21.3
4 1	13 50.75	− 4 16.6	1.999	2.969	5.7	21.1
4 11	13 43.03	− 3 27.7	1.966	2.962	2.6	20.9
4 21	13 34.81	− 2 41.7	1.961	2.955	3.6	21.0
5 1	13 26.97	− 2 3.7	1.985	2.948	7.0	21.2
5 11	13 20.29	− 1 37.6	2.035	2.941	10.5	21.3
5 21	13 15.35	− 1 25.8	2.107	2.933	13.5	21.5
294282 2007 UV_{108}			4 16.4 254.°11		0.°9/17.1 17	R
3 12	14 3.34	−15 28.2	1.619	2.445	15.9	21.4
3 22	13 59.11	−15 1.7	1.529	2.435	12.3	21.1
4 1	13 52.31	−14 17.5	1.461	2.425	8.0	20.8
4 11	13 43.67	−13 18.4	1.417	2.414	3.3	20.5
4 21	13 34.23	−12 9.8	1.401	2.403	2.2	20.4
5 1	13 25.24	−10 59.3	1.411	2.392	7.1	20.7
5 11	13 17.84	− 9 55.3	1.446	2.381	11.8	20.9
5 21	13 12.79	− 9 4.4	1.502	2.369	15.9	21.1
521291 2015 JR_{15}			4 16.4 351.°39		5.°5/10.4 17	
3 12	13 57.62	+ 2 17.1	2.004	2.860	12.1	20.8
3 22	13 54.12	+ 3 39.7	1.936	2.857	9.2	20.6
4 1	13 48.81	+ 5 3.7	1.893	2.855	6.6	20.5
4 11	13 42.32	+ 6 21.6	1.876	2.853	5.5	20.4
4 21	13 35.43	+ 7 26.5	1.887	2.852	6.9	20.5
5 1	13 28.97	+ 8 13.1	1.923	2.851	9.6	20.6
5 11	13 23.68	+ 8 38.2	1.983	2.850	12.5	20.8
5 21	13 20.09	+ 8 41.6	2.063	2.850	15.1	21.0
423238 2004 TP_{28}			4 16.4 269.°27		1.°7/17.5 17	
3 12	14 7.69	−14 5.2	1.924	2.736	14.3	21.2
3 22	14 2.14	−14 31.0	1.825	2.722	11.2	21.0
4 1	13 54.13	−14 47.0	1.749	2.708	7.4	20.7
4 11	13 44.32	−14 53.4	1.699	2.693	3.4	20.4
4 21	13 33.65	−14 51.9	1.677	2.679	2.3	20.3
5 1	13 23.25	−14 45.6	1.684	2.664	6.3	20.5
5 11	13 14.22	−14 39.0	1.717	2.649	10.5	20.8
5 21	13 7.36	−14 36.2	1.774	2.634	14.2	21.0

29135 1987 SZ_2 4 16.4 183°.79 0°.1/16.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 8.45	−11 24.1	1.748	2.572	15.1	18.8
3 22	14 2.67	−11 16.9	1.666	2.573	11.5	18.6
4 1	13 54.38	−10 58.7	1.607	2.573	7.3	18.3
4 11	13 44.36	−10 32.2	1.574	2.572	2.6	18.0
4 21	13 33.68	−10 1.4	1.569	2.571	2.2	18.0
5 1	13 23.52	− 9 31.7	1.592	2.569	6.9	18.3
5 11	13 14.96	− 9 8.4	1.641	2.567	11.3	18.5
5 21	13 8.72	− 8 55.4	1.712	2.564	15.0	18.7

197043 2003 UD_{137} 4 16.4 245°.79 1°.0/15.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 3.06	− 8 41.7	2.016	2.848	13.0	20.3
3 22	13 58.27	− 8 24.7	1.933	2.846	9.8	20.0
4 1	13 51.47	− 7 59.9	1.874	2.843	6.1	19.8
4 11	13 43.30	− 7 30.5	1.842	2.840	2.2	19.5
4 21	13 34.60	− 7 0.6	1.837	2.837	2.5	19.6
5 1	13 26.32	− 6 34.8	1.861	2.834	6.5	19.8
5 11	13 19.31	− 6 17.3	1.911	2.831	10.2	20.0
5 21	13 14.17	− 6 10.7	1.983	2.828	13.5	20.2

11704 Gorin 4 16.4 266°.88 1°.5/17.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 6.45	−14 22.6	1.642	2.465	15.9	18.9
3 22	14 1.55	−14 32.5	1.548	2.452	12.4	18.6
4 1	13 53.92	−14 29.1	1.477	2.439	8.2	18.4
4 11	13 44.28	−14 13.7	1.430	2.425	3.6	18.0
4 21	13 33.70	−13 49.1	1.409	2.411	2.4	17.9
5 1	13 23.48	−13 20.3	1.416	2.397	7.1	18.2
5 11	13 14.85	−12 53.7	1.447	2.383	11.7	18.4
5 21	13 8.66	−12 34.7	1.501	2.369	15.9	18.6

403820 2011 UB_{159} 4 16.4 170°.69 2°.1/14.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 4.23	− 8 44.7	1.683	2.523	14.8	21.8
3 22	13 59.43	− 7 43.4	1.609	2.526	11.1	21.5
4 1	13 52.30	− 6 30.2	1.558	2.528	6.9	21.3
4 11	13 43.60	− 5 11.1	1.533	2.530	2.7	21.0
4 21	13 34.36	− 3 53.7	1.535	2.532	3.8	21.1
5 1	13 25.71	− 2 45.9	1.565	2.533	8.1	21.4
5 11	13 18.62	− 1 53.9	1.620	2.533	12.2	21.6
5 21	13 13.73	− 1 21.2	1.696	2.533	15.8	21.8

275107 2009 VN_{43} 4 16.4 161°.27 0°.8/17.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 3.70	−14 41.1	2.181	2.991	12.9	21.7
3 22	13 58.60	−14 22.8	2.098	2.996	9.9	21.5
4 1	13 51.59	−13 52.6	2.040	3.001	6.4	21.3
4 11	13 43.32	−13 12.8	2.009	3.004	2.6	21.1
4 21	13 34.60	−12 27.1	2.006	3.008	1.7	21.0
5 1	13 26.32	−11 40.5	2.032	3.011	5.5	21.3
5 11	13 19.29	−10 58.1	2.085	3.014	9.1	21.5
5 21	13 14.05	−10 24.0	2.163	3.016	12.2	21.7

389688 2011 QW_{32} 4 16.4 178°.26 3°.1/19.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 3.58	−20 12.0	2.298	3.086	13.1	20.8
3 22	13 58.58	−20 31.6	2.209	3.086	10.4	20.6
4 1	13 51.63	−20 38.0	2.143	3.086	7.4	20.4
4 11	13 43.36	−20 31.3	2.103	3.086	4.4	20.2
4 21	13 34.54	−20 13.1	2.091	3.086	3.2	20.2
5 1	13 26.08	−19 46.6	2.108	3.086	5.4	20.3
5 11	13 18.80	−19 16.6	2.151	3.086	8.5	20.5
5 21	13 13.29	−18 47.9	2.219	3.086	11.5	20.7

108875 2001 OT_{104} 4 16.4 96°.39 2°.4/13.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 1.45	− 8 25.5	1.812	2.653	13.9	19.0
3 22	13 57.04	− 7 4.9	1.750	2.669	10.3	18.8
4 1	13 50.62	− 5 33.7	1.713	2.684	6.3	18.6
4 11	13 42.95	− 3 58.9	1.702	2.699	2.7	18.4
4 21	13 34.95	− 2 28.3	1.720	2.714	3.9	18.5
5 1	13 27.57	− 1 9.7	1.765	2.728	7.7	18.8
5 11	13 21.62	− 0 8.5	1.836	2.743	11.4	19.0
5 21	13 17.61	+ 0 32.6	1.929	2.757	14.5	19.2

497361 2005 UZ_{235} 4 16.4 208°.92 1°.9/14.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 3.60	− 6 45.9	2.221	3.051	12.0	23.2
3 22	13 58.51	− 6 7.4	2.133	3.045	9.0	23.0
4 1	13 51.55	− 5 21.8	2.070	3.039	5.6	22.7
4 11	13 43.32	− 4 33.2	2.035	3.032	2.4	22.5
4 21	13 34.59	− 3 46.3	2.028	3.024	3.2	22.6
5 1	13 26.23	− 3 6.1	2.051	3.016	6.7	22.8
5 11	13 19.03	− 2 36.7	2.100	3.007	10.2	23.0
5 21	13 13.55	− 2 20.6	2.172	2.998	13.2	23.1

62117 2000 RC_{102} 4 16.4 116°.78 0°.7/17.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	13 59.37	−17 40.6	2.705	3.502	11.1	18.8
3 22	13 54.93	−16 33.9	2.627	3.517	8.5	18.6
4 1	13 49.08	−15 13.8	2.574	3.531	5.5	18.4
4 11	13 42.38	−13 43.8	2.549	3.545	2.2	18.2
4 21	13 35.44	−12 8.8	2.556	3.558	1.4	18.2
5 1	13 28.92	−10 34.7	2.593	3.571	4.6	18.4
5 11	13 23.39	− 9 7.0	2.660	3.584	7.6	18.6
5 21	13 19.25	− 7 50.0	2.752	3.596	10.2	18.8

152194 2005 QZ_{64} 4 16.4 178°.55 1°.9/13.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	13 59.18	− 5 2.9	3.011	3.840	9.2	21.6
3 22	13 54.69	− 4 20.9	2.929	3.841	6.9	21.5
4 1	13 48.92	− 3 34.8	2.874	3.842	4.3	21.3
4 11	13 42.33	− 2 47.9	2.848	3.842	2.1	21.1
4 21	13 35.46	− 2 3.8	2.851	3.843	2.9	21.2
5 1	13 28.88	− 1 26.0	2.885	3.842	5.4	21.4
5 11	13 23.11	− 0 57.3	2.945	3.842	7.9	21.5
5 21	13 18.55	− 0 39.3	3.030	3.841	10.2	21.7

1028 Lydina 4 16.4 104°.59 2°.3/13.8 18 A

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 0.51	− 3 8.6	2.668	3.502	10.1	14.9
3 22	13 55.78	− 2 40.9	2.598	3.511	7.6	14.8
4 1	13 49.63	− 2 10.6	2.553	3.520	4.8	14.6
4 11	13 42.58	− 1 41.1	2.536	3.529	2.5	14.5
4 21	13 35.26	− 1 16.0	2.548	3.538	3.3	14.5
5 1	13 28.31	− 0 58.3	2.590	3.547	6.0	14.7
5 11	13 22.31	− 0 50.2	2.658	3.556	8.6	14.9
5 21	13 17.69	− 0 53.0	2.750	3.564	11.0	15.1

429823 2012 LX_{21} 4 16.4 70°.67 4°.4/20.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 2.11	−24 39.2	1.711	2.501	16.8	20.5
3 22	13 57.99	−24 28.2	1.635	2.509	13.5	20.3
4 1	13 51.45	−23 53.9	1.579	2.518	9.9	20.1
4 11	13 43.31	−22 57.1	1.547	2.526	6.2	19.9
4 21	13 34.63	−21 41.8	1.541	2.535	4.4	19.8
5 1	13 26.57	−20 15.3	1.562	2.544	6.6	20.0
5 11	13 20.15	−18 47.0	1.609	2.552	10.2	20.2
5 21	13 16.00	−17 25.3	1.678	2.561	13.7	20.5

26682 Evanfletcher 4 16.4 79°.51 1°.0/15.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 6.61	− 9 48.8	1.516	2.356	16.2	19.2
3 22	14 1.25	− 9 24.1	1.460	2.376	12.1	19.0
4 1	13 53.39	− 8 48.6	1.426	2.396	7.5	18.8
4 11	13 43.96	− 8 6.8	1.417	2.415	2.6	18.6
4 21	13 34.14	− 7 24.6	1.435	2.435	2.9	18.6
5 1	13 25.14	− 6 48.4	1.479	2.455	7.6	18.9
5 11	13 17.97	− 6 23.3	1.548	2.474	11.8	19.2
5 21	13 13.23	− 6 12.4	1.638	2.493	15.4	19.5

469036 2015 AT_{250} 4 16.4 61°.25 5°.6/20.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 8.37	−23 30.7	1.767	2.549	16.6	21.0
3 22	14 2.85	−24 25.7	1.686	2.553	13.6	20.8
4 1	13 54.64	−25 3.5	1.626	2.558	10.2	20.5
4 11	13 44.51	−25 21.5	1.591	2.562	7.0	20.4
4 21	13 33.57	−25 19.8	1.582	2.567	5.6	20.3
5 1	13 23.13	−25 1.5	1.599	2.572	7.4	20.4
5 11	13 14.37	−24 32.8	1.642	2.577	10.7	20.6
5 21	13 8.09	−24 1.0	1.708	2.582	14.0	20.8

476746 2008 UZ_{57} 4 16.4 176°.65 1°.1/14.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	13 56.97	− 7 10.0	3.425	4.249	8.3	21.9
3 22	13 52.92	− 6 43.2	3.341	4.250	6.2	21.7
4 1	13 47.78	− 6 12.2	3.283	4.250	3.8	21.6
4 11	13 41.92	− 5 39.4	3.253	4.251	1.5	21.4
4 21	13 35.82	− 5 7.5	3.254	4.251	2.0	21.4
5 1	13 29.96	− 4 39.2	3.285	4.251	4.4	21.6
5 11	13 24.79	− 4 16.9	3.344	4.251	6.7	21.8
5 21	13 20.65	− 4 2.4	3.427	4.251	8.8	21.9

214544 2006 OP_{13} 4 16.4 253°.84 4°.1/12.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 3.37	− 3 3.9	1.845	2.690	13.5	21.0
3 22	13 58.81	− 1 52.3	1.752	2.671	10.2	20.7
4 1	13 51.99	− 0 32.6	1.683	2.651	6.7	20.4
4 11	13 43.56	+ 0 48.4	1.640	2.631	4.2	20.3
4 21	13 34.39	+ 2 2.9	1.626	2.610	5.7	20.3
5 1	13 25.55	+ 3 3.4	1.638	2.588	9.4	20.5
5 11	13 18.03	+ 3 44.5	1.675	2.566	13.2	20.6
5 21	13 12.53	+ 4 3.8	1.733	2.543	16.6	20.8

506752 2006 VU_{86} 4 16.4 223°.37 0°.2/16.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 1.55	−10 43.1	2.404	3.226	11.5	22.0
3 22	13 56.86	−10 29.6	2.317	3.223	8.7	21.8
4 1	13 50.46	−10 8.1	2.254	3.220	5.5	21.5
4 11	13 42.93	− 9 41.2	2.218	3.217	1.9	21.3
4 21	13 34.96	− 9 12.0	2.212	3.213	1.8	21.3
5 1	13 27.32	− 8 44.4	2.234	3.210	5.4	21.5
5 11	13 20.74	− 8 22.2	2.284	3.206	8.7	21.7
5 21	13 15.72	− 8 8.2	2.357	3.203	11.6	21.9

4954 Eric 4 16.4 133°.53 5°.3/20.4 18 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 19.11	−25 25.9	1.940	2.687	16.5	17.0
3 22	14 10.51	−26 1.5	1.867	2.712	13.5	16.8
4 1	13 59.19	−26 17.2	1.816	2.736	10.0	16.6
4 11	13 46.06	−26 11.0	1.792	2.758	6.8	16.5
4 21	13 32.37	−25 43.8	1.796	2.779	5.3	16.4
5 1	13 19.48	−25 0.1	1.830	2.798	7.1	16.6
5 11	13 8.54	−24 7.7	1.892	2.815	10.2	16.8
5 21	13 0.25	−23 14.3	1.978	2.831	13.2	17.0

218932 2008 CW_1 4 16.4 318°.18 8°.2/21.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 1.99	−27 11.0	1.391	2.185	19.7	19.3
3 22	13 59.04	−28 9.6	1.293	2.163	16.7	19.0
4 1	13 52.85	−28 45.2	1.214	2.141	13.3	18.7
4 11	13 44.07	−28 52.7	1.155	2.120	9.9	18.5
4 21	13 33.89	−28 30.2	1.119	2.100	8.2	18.3
5 1	13 23.92	−27 40.6	1.106	2.080	9.8	18.3
5 11	13 15.83	−26 33.1	1.115	2.061	13.4	18.5
5 21	13 10.76	−25 19.1	1.144	2.043	17.5	18.7

414136 2007 VB_{145} 4 16.4 224°.49 1°.1/15.4 15

3 12	14 4.85	−10 4.4	1.927	2.755	13.7	22.5
3 22	13 59.82	− 9 22.7	1.834	2.745	10.4	22.3
4 1	13 52.56	− 8 29.5	1.765	2.733	6.5	22.0
4 11	13 43.75	− 7 28.7	1.723	2.721	2.3	21.7
4 21	13 34.28	− 6 26.0	1.709	2.709	2.8	21.7
5 1	13 25.18	− 5 27.9	1.724	2.695	7.1	22.0
5 11	13 17.43	− 4 40.4	1.764	2.681	11.2	22.2
5 21	13 11.69	− 4 7.6	1.827	2.666	14.8	22.4

351966 2006 UC_7 4 16.4 211°.11 1°.2/14.9 18

3 12	14 0.41	− 7 51.5	2.998	3.819	9.5	22.5
3 22	13 55.68	− 7 18.4	2.904	3.811	7.1	22.3
4 1	13 49.60	− 6 39.6	2.836	3.803	4.4	22.2
4 11	13 42.61	− 5 57.8	2.797	3.794	1.7	21.9
4 21	13 35.28	− 5 16.3	2.788	3.785	2.2	22.0
5 1	13 28.19	− 4 38.8	2.809	3.775	5.0	22.1
5 11	13 21.92	− 4 8.3	2.858	3.765	7.8	22.3
5 21	13 16.89	− 3 47.0	2.932	3.754	10.2	22.5

25024 Calebmcgraw 4 16.4 253°.09 0°.9/15.7 18

3 12	14 4.84	− 9 46.2	1.842	2.673	14.1	18.6
3 22	13 59.98	− 9 21.8	1.746	2.658	10.7	18.3
4 1	13 52.77	− 8 46.9	1.674	2.642	6.7	18.0
4 11	13 43.87	− 8 4.9	1.627	2.626	2.4	17.7
4 21	13 34.19	− 7 20.6	1.608	2.609	2.7	17.7
5 1	13 24.85	− 6 39.8	1.617	2.591	7.2	17.9
5 11	13 16.87	− 6 8.3	1.652	2.574	11.5	18.1
5 21	13 11.00	− 5 49.8	1.709	2.556	15.2	18.3

327860 2006 YX_9 4 16.4 82°.92 0°.1/16.5 18

3 12	14 4.42	−13 9.7	1.691	2.520	15.3	21.1
3 22	13 59.43	−12 38.0	1.631	2.540	11.5	20.9
4 1	13 52.20	−11 52.7	1.593	2.559	7.2	20.7
4 11	13 43.56	−10 58.1	1.581	2.579	2.6	20.4
4 21	13 34.55	− 9 59.9	1.596	2.599	2.1	20.4
5 1	13 26.27	− 9 4.8	1.639	2.618	6.6	20.8
5 11	13 19.60	− 8 19.0	1.707	2.637	10.7	21.0
5 21	13 15.12	− 7 46.3	1.798	2.655	14.1	21.3

292316 2006 SJ_{163} 4 16.4 212°.22 0°.6/15.8 17

3 12	14 0.78	−10 15.4	2.510	3.332	11.1	21.4
3 22	13 56.22	− 9 50.4	2.421	3.328	8.3	21.2
4 1	13 50.05	− 9 17.4	2.357	3.324	5.2	21.0
4 11	13 42.81	− 8 39.4	2.321	3.320	1.8	20.8
4 21	13 35.16	− 7 59.8	2.314	3.315	1.9	20.8
5 1	13 27.82	− 7 22.8	2.337	3.310	5.4	21.0
5 11	13 21.48	− 6 52.2	2.386	3.305	8.6	21.2
5 21	13 16.62	− 6 30.9	2.460	3.300	11.4	21.3

434525 2005 SJ_{219} 4 16.4 244°.52 6°.2/ 8.6 17

3 12	14 4.16	+13 23.2	3.046	3.865	9.4	21.2
3 22	13 58.48	+14 7.0	2.961	3.846	7.8	21.0
4 1	13 51.35	+14 44.4	2.902	3.827	6.5	20.9
4 11	13 43.26	+15 11.0	2.871	3.807	6.2	20.9
4 21	13 34.78	+15 23.0	2.868	3.787	7.1	20.9
5 1	13 26.57	+15 18.2	2.893	3.766	8.7	21.0
5 11	13 19.24	+14 56.1	2.942	3.745	10.6	21.1
5 21	13 13.22	+14 17.6	3.014	3.723	12.4	21.2

266649 2008 SG_{287} 4 16.4 111°.51 2°.2/19.4 18

3 12	13 58.70	−20 33.0	3.306	4.082	9.7	20.5
3 22	13 54.33	−20 35.2	3.218	4.089	7.7	20.3
4 1	13 48.72	−20 27.2	3.155	4.095	5.4	20.2
4 11	13 42.30	−20 9.8	3.120	4.102	3.2	20.1
4 21	13 35.60	−19 44.8	3.113	4.108	2.3	20.0
5 1	13 29.15	−19 14.6	3.137	4.115	3.9	20.1
5 11	13 23.48	−18 42.6	3.188	4.121	6.1	20.3
5 21	13 18.98	−18 12.0	3.266	4.127	8.3	20.4

16221 Kevinyang 4 16.4 263°.38 2°.5/14.2 18

3 12	14 1.91	− 7 23.6	1.784	2.627	13.9	19.7
3 22	13 57.78	− 6 24.9	1.693	2.612	10.5	19.4
4 1	13 51.38	− 5 14.9	1.625	2.596	6.6	19.1
4 11	13 43.37	− 3 59.4	1.583	2.580	2.9	18.9
4 21	13 34.66	− 2 45.4	1.569	2.564	4.1	18.9
5 1	13 26.32	− 1 40.5	1.582	2.547	8.3	19.1
5 11	13 19.34	− 0 51.1	1.620	2.530	12.4	19.3
5 21	13 14.41	− 0 20.7	1.679	2.513	16.0	19.5

104497 2000 GC_{35} 4 16.4 51°.22 0°.2/16.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 0.90	−13 8.8	2.057	2.881	13.1	19.3
3 22	13 56.63	−12 44.7	1.976	2.882	10.0	19.1
4 1	13 50.44	−12 9.1	1.918	2.883	6.3	18.9
4 11	13 42.97	−11 24.8	1.887	2.885	2.3	18.6
4 21	13 35.04	−10 36.1	1.884	2.886	1.8	18.6
5 1	13 27.53	− 9 48.4	1.909	2.888	5.8	18.9
5 11	13 21.27	− 9 6.9	1.960	2.889	9.5	19.1
5 21	13 16.79	− 8 35.6	2.034	2.891	12.8	19.3

98847 2001 AW_{29} 4 16.4 231°.59 1°.6/15.1 18

3 12	14 3.52	− 7 14.4	1.987	2.822	13.1	19.6
3 22	13 58.67	− 6 50.8	1.904	2.818	9.8	19.4
4 1	13 51.77	− 6 20.1	1.845	2.814	6.1	19.2
4 11	13 43.46	− 5 46.0	1.812	2.810	2.4	18.9
4 21	13 34.62	− 5 13.1	1.807	2.805	3.0	18.9
5 1	13 26.19	− 4 46.1	1.830	2.800	6.9	19.2
5 11	13 19.05	− 4 29.2	1.879	2.795	10.6	19.4
5 21	13 13.81	− 4 24.7	1.951	2.790	13.9	19.6

378349 2007 HK_{87} 4 16.4 278°.41 3°.9/13.3 17

3 12	14 3.80	− 1 11.5	1.863	2.709	13.3	20.6
3 22	13 59.02	− 0 37.3	1.780	2.699	10.1	20.4
4 1	13 52.06	− 0 0.2	1.721	2.689	6.6	20.1
4 11	13 43.59	+ 0 34.4	1.689	2.679	4.0	19.9
4 21	13 34.51	+ 1 0.9	1.683	2.670	5.2	20.0
5 1	13 25.85	+ 1 14.7	1.705	2.660	8.6	20.2
5 11	13 18.55	+ 1 12.8	1.751	2.650	12.3	20.4
5 21	13 13.26	+ 0 54.1	1.818	2.640	15.5	20.6

230916 2004 TA_{276} 4 16.4 99°.40 0°.4/16.0 17

3 12	14 3.91	−10 53.6	2.034	2.859	13.2	21.3
3 22	13 58.75	−10 30.5	1.967	2.875	9.9	21.1
4 1	13 51.67	− 9 58.0	1.924	2.891	6.2	20.9
4 11	13 43.38	− 9 19.5	1.908	2.907	2.1	20.7
4 21	13 34.74	− 8 39.2	1.921	2.922	2.1	20.7
5 1	13 26.66	− 8 2.1	1.962	2.937	6.0	21.0
5 11	13 19.92	− 7 32.6	2.029	2.952	9.6	21.2
5 21	13 15.04	− 7 13.7	2.120	2.966	12.7	21.4

140567 2001 TN_{212} 4 16.4 313°.35 4°.5/20.8 18

3 12	14 0.92	−25 4.9	2.118	2.893	14.4	19.4
3 22	13 56.84	−25 12.3	2.025	2.888	11.8	19.3
4 1	13 50.69	−25 1.2	1.953	2.884	8.8	19.1
4 11	13 43.11	−24 31.2	1.906	2.879	5.9	18.9
4 21	13 34.93	−23 44.4	1.886	2.875	4.5	18.8
5 1	13 27.13	−22 45.3	1.893	2.870	6.0	18.8
5 11	13 20.60	−21 40.4	1.927	2.866	9.0	19.0
5 21	13 15.97	−20 36.6	1.984	2.862	12.1	19.2

105251 2000 QP_6 4 16.4 216°.36 3°.5/20.1 18

3 12	14 3.12	−23 4.3	2.701	3.467	11.9	19.8
3 22	13 58.06	−23 20.2	2.601	3.461	9.6	19.6
4 1	13 51.27	−23 22.7	2.524	3.455	7.1	19.4
4 11	13 43.28	−23 11.9	2.474	3.448	4.6	19.3
4 21	13 34.78	−22 48.8	2.452	3.441	3.5	19.2
5 1	13 26.54	−22 16.4	2.460	3.434	5.0	19.3
5 11	13 19.30	−21 39.0	2.495	3.427	7.6	19.4
5 21	13 13.60	−21 1.1	2.556	3.419	10.2	19.6

258948 2002 RN_{211} 4 16.4 218°.15 2°.5/14.1 17

3 12	14 4.40	− 5 39.3	2.059	2.893	12.7	21.5
3 22	13 59.30	− 4 54.0	1.970	2.884	9.5	21.3
4 1	13 52.16	− 4 1.5	1.906	2.875	6.0	21.1
4 11	13 43.62	− 3 6.6	1.870	2.866	2.8	20.8
4 21	13 34.51	− 2 14.8	1.862	2.855	3.8	20.9
5 1	13 25.78	− 1 31.6	1.883	2.844	7.5	21.1
5 11	13 18.30	− 1 1.5	1.929	2.832	11.1	21.3
5 21	13 12.68	− 0 46.9	1.998	2.820	14.3	21.5

422056 2014 QO_{367} 4 16.4 107°.48 4°.3/12.9 18

3 12	14 4.72	− 1 45.4	1.704	2.553	14.2	21.4
3 22	13 59.63	− 0 46.4	1.646	2.566	10.7	21.2
4 1	13 52.33	+ 0 16.2	1.610	2.579	6.9	21.0
4 11	13 43.64	+ 1 15.4	1.601	2.591	4.4	20.9
4 21	13 34.56	+ 2 4.5	1.619	2.603	5.7	21.0
5 1	13 26.16	+ 2 37.9	1.664	2.615	9.1	21.2
5 11	13 19.33	+ 2 52.5	1.733	2.627	12.6	21.4
5 21	13 14.63	+ 2 47.8	1.822	2.638	15.7	21.7

362288 2009 SE_{99} 4 16.4 224°.88 1°.0/15.0 18

3 12	13 57.08	− 9 7.8	2.874	3.700	9.7	21.1
3 22	13 53.26	− 8 23.3	2.787	3.697	7.2	20.9
4 1	13 48.12	− 7 31.8	2.726	3.695	4.5	20.7
4 11	13 42.12	− 6 36.5	2.694	3.692	1.6	20.5
4 21	13 35.82	− 5 41.3	2.691	3.689	2.1	20.5
5 1	13 29.79	− 4 50.2	2.718	3.686	5.0	20.7
5 11	13 24.59	− 4 6.9	2.772	3.683	7.8	20.9
5 21	13 20.61	− 3 33.8	2.851	3.680	10.3	21.1

4911 Rosenzweig 4 16.4 206°.11 0°.3/16.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 1.51	−15 14.1	2.284	3.094	12.4	17.1
3 22	13 56.96	−14 23.7	2.191	3.089	9.5	16.9
4 1	13 50.61	−13 19.2	2.122	3.084	6.1	16.7
4 11	13 43.05	−12 3.8	2.081	3.078	2.3	16.4
4 21	13 35.03	−10 42.6	2.070	3.072	1.7	16.3
5 1	13 27.38	− 9 21.9	2.087	3.065	5.6	16.6
5 11	13 20.86	− 8 7.8	2.133	3.057	9.1	16.8
5 21	13 16.01	− 7 5.4	2.203	3.049	12.3	17.0

348715 2006 DW_{36} 4 16.4 342°.26 3°.9/12.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	13 55.95	− 5 54.1	1.463	2.329	15.2	20.3
3 22	13 53.59	− 4 30.5	1.387	2.318	11.3	20.0
4 1	13 48.86	− 2 54.5	1.334	2.309	7.2	19.8
4 11	13 42.50	− 1 14.6	1.305	2.300	4.0	19.6
4 21	13 35.49	+ 0 19.1	1.302	2.292	5.7	19.6
5 1	13 28.97	+ 1 36.8	1.323	2.285	10.0	19.8
5 11	13 23.97	+ 2 31.6	1.368	2.279	14.2	20.1
5 21	13 21.17	+ 3 0.4	1.431	2.274	17.9	20.3

118043 3220 $T\text{-}_2$ 4 16.4 241°.56 1°.2/15.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 3.84	− 9 50.6	1.760	2.596	14.5	20.7
3 22	13 59.26	− 9 12.3	1.672	2.586	11.0	20.5
4 1	13 52.32	− 8 22.1	1.606	2.575	6.8	20.2
4 11	13 43.73	− 7 24.3	1.566	2.564	2.4	19.9
4 21	13 34.43	− 6 24.8	1.553	2.553	3.0	19.9
5 1	13 25.55	− 5 30.5	1.568	2.541	7.5	20.1
5 11	13 18.10	− 4 47.7	1.608	2.529	11.8	20.4
5 21	13 12.81	− 4 20.3	1.670	2.517	15.5	20.6

425284 2009 WR_{190} 4 16.4 246°.44 1°.6/15.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 2.92	− 8 4.4	1.938	2.774	13.3	21.4
3 22	13 58.32	− 7 32.3	1.851	2.766	10.0	21.2
4 1	13 51.61	− 6 51.5	1.788	2.758	6.2	20.9
4 11	13 43.44	− 6 6.0	1.751	2.749	2.4	20.7
4 21	13 34.69	− 5 20.9	1.742	2.740	3.0	20.7
5 1	13 26.32	− 4 41.7	1.761	2.731	7.1	20.9
5 11	13 19.25	− 4 13.4	1.805	2.722	11.0	21.1
5 21	13 14.12	− 3 58.7	1.872	2.713	14.4	21.3

86835 2000 GJ_{158} 4 16.4 291°.91 2°.7/14.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 4.73	− 6 23.0	1.340	2.196	16.9	19.1
3 22	14 0.71	− 5 54.2	1.253	2.177	12.9	18.8
4 1	13 53.65	− 5 15.2	1.186	2.159	8.1	18.5
4 11	13 44.32	− 4 31.5	1.144	2.141	3.5	18.2
4 21	13 33.89	− 3 50.2	1.126	2.123	4.6	18.2
5 1	13 23.87	− 3 19.0	1.133	2.105	9.8	18.4
5 11	13 15.67	− 3 4.5	1.162	2.088	14.9	18.7
5 21	13 10.24	− 3 9.6	1.211	2.070	19.4	18.9

190139 Hansküng 4 16.4 89°.74 2°.8/18.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 5.65	−19 38.3	1.360	2.181	18.7	20.8
3 22	14 1.07	−19 22.6	1.295	2.194	14.7	20.6
4 1	13 53.58	−18 43.9	1.250	2.206	10.0	20.3
4 11	13 44.17	−17 44.4	1.228	2.219	5.1	20.1
4 21	13 34.14	−16 30.0	1.231	2.232	3.1	20.0
5 1	13 24.96	−15 10.0	1.260	2.244	7.3	20.3
5 11	13 17.82	−13 54.7	1.313	2.256	12.0	20.6
5 21	13 13.42	−12 52.1	1.387	2.268	16.2	20.9

461948 2006 SQ_{402} 4 16.4 221°.55 0°.2/16.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 3.31	−13 53.4	1.941	2.761	13.9	21.8
3 22	13 58.66	−13 17.9	1.849	2.754	10.6	21.6
4 1	13 51.85	−12 28.2	1.781	2.746	6.8	21.4
4 11	13 43.54	−11 27.4	1.740	2.737	2.5	21.1
4 21	13 34.62	−10 20.7	1.727	2.729	2.0	21.0
5 1	13 26.10	− 9 14.7	1.741	2.719	6.4	21.3
5 11	13 18.91	− 8 15.9	1.783	2.710	10.5	21.5
5 21	13 13.70	− 7 29.4	1.847	2.700	14.0	21.7

209392 2004 EV_{61} 4 16.4 39°.52 2°.5/13.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	13 58.65	− 6 50.2	1.957	2.803	12.8	20.2
3 22	13 54.93	− 5 45.7	1.888	2.808	9.5	19.9
4 1	13 49.36	− 4 32.8	1.843	2.814	5.9	19.7
4 11	13 42.60	− 3 17.4	1.824	2.821	2.8	19.5
4 21	13 35.46	− 2 6.0	1.834	2.827	3.9	19.6
5 1	13 28.80	− 1 4.9	1.871	2.834	7.4	19.9
5 11	13 23.38	− 0 19.0	1.933	2.841	10.9	20.1
5 21	13 19.71	+ 0 9.5	2.017	2.848	13.9	20.3

299308 2005 QM_{50} 4 16.4 187°.08 3°.3/19.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 4.85	−21 15.7	2.631	3.403	12.0	21.1
3 22	13 59.37	−21 43.6	2.537	3.403	9.6	20.9
4 1	13 52.10	−21 59.6	2.467	3.402	7.0	20.7
4 11	13 43.60	−22 3.4	2.424	3.402	4.4	20.6
4 21	13 34.58	−21 55.9	2.410	3.401	3.3	20.5
5 1	13 25.85	−21 39.5	2.425	3.400	5.1	20.6
5 11	13 18.17	−21 18.2	2.468	3.399	7.8	20.8
5 21	13 12.09	−20 56.0	2.536	3.397	10.4	20.9

467380 2004 TW_{126} 4 16.4 249°.75 2°.2/14.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 4.42	− 5 18.4	2.113	2.947	12.4	21.6
3 22	13 59.35	− 4 50.2	2.018	2.931	9.4	21.4
4 1	13 52.23	− 4 16.1	1.947	2.916	5.9	21.1
4 11	13 43.68	− 3 40.2	1.903	2.899	2.7	20.9
4 21	13 34.50	− 3 6.9	1.888	2.882	3.5	20.9
5 1	13 25.62	− 2 40.9	1.901	2.865	7.2	21.1
5 11	13 17.93	− 2 26.1	1.940	2.848	10.8	21.3
5 21	13 12.05	− 2 24.8	2.002	2.830	14.1	21.5

317942 2003 WJ_{57} 4 16.4 250°.52 0°.8/15.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 5.54	−10 10.8	1.790	2.620	14.5	21.6
3 22	14 0.62	− 9 46.6	1.694	2.605	11.0	21.3
4 1	13 53.24	− 9 11.2	1.620	2.588	6.9	21.0
4 11	13 44.10	− 8 27.8	1.573	2.571	2.4	20.7
4 21	13 34.14	− 7 41.6	1.553	2.554	2.7	20.7
5 1	13 24.50	− 6 58.6	1.561	2.536	7.3	20.9
5 11	13 16.29	− 6 24.7	1.595	2.518	11.7	21.1
5 21	13 10.26	− 6 4.1	1.650	2.499	15.6	21.3

351942 2006 TE_{58} 4 16.4 115°.95 0°.2/16.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 7.59	− 9 2.5	2.653	3.462	10.9	20.9
3 22	14 1.12	− 9 15.7	2.577	3.476	8.2	20.7
4 1	13 53.02	− 9 23.8	2.526	3.490	5.1	20.6
4 11	13 43.88	− 9 28.4	2.505	3.503	1.8	20.3
4 21	13 34.40	− 9 31.3	2.515	3.516	1.6	20.3
5 1	13 25.34	− 9 34.8	2.555	3.529	4.9	20.6
5 11	13 17.37	− 9 41.2	2.624	3.541	8.0	20.8
5 21	13 10.97	− 9 52.4	2.718	3.553	10.6	21.0

430186 2013 TD_{110} 4 16.4 132°.24 1°.7/18.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 3.85	−17 10.4	2.186	2.987	13.2	21.5
3 22	13 58.74	−17 1.7	2.107	2.997	10.2	21.4
4 1	13 51.72	−16 39.7	2.052	3.006	6.8	21.2
4 11	13 43.45	−16 6.2	2.023	3.015	3.3	20.9
4 21	13 34.76	−15 24.6	2.023	3.024	2.1	20.9
5 1	13 26.53	−14 39.4	2.051	3.032	5.3	21.1
5 11	13 19.57	−13 55.9	2.107	3.040	8.8	21.3
5 21	13 14.41	−13 18.8	2.187	3.047	11.9	21.5

126136 2001 YC_{126} 4 16.4 161°.52 0°.2/16.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 7.76	−11 25.1	1.769	2.593	14.9	20.4
3 22	14 2.07	−11 6.5	1.692	2.599	11.3	20.2
4 1	13 53.99	−10 36.5	1.638	2.604	7.1	20.0
4 11	13 44.30	− 9 58.4	1.610	2.608	2.5	19.7
4 21	13 34.04	− 9 16.7	1.611	2.612	2.3	19.7
5 1	13 24.36	− 8 37.4	1.639	2.616	6.9	20.0
5 11	13 16.26	− 8 5.9	1.693	2.618	11.1	20.2
5 21	13 10.42	− 7 46.1	1.770	2.620	14.7	20.5

19033 2157 $P\text{–}L$ 4 16.4 127°.61 1°.6/14.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	13 58.52	− 8 38.0	2.655	3.483	10.4	19.1
3 22	13 54.35	− 7 25.3	2.581	3.493	7.7	18.9
4 1	13 48.79	− 6 4.7	2.534	3.503	4.7	18.7
4 11	13 42.37	− 4 41.0	2.515	3.512	2.0	18.6
4 21	13 35.68	− 3 19.2	2.527	3.521	2.8	18.6
5 1	13 29.37	− 2 4.7	2.569	3.530	5.7	18.8
5 11	13 24.00	− 1 1.6	2.638	3.539	8.6	19.0
5 21	13 19.97	− 0 12.6	2.732	3.548	11.0	19.2

103531 2000 BD_{12} 4 16.4 204°.15 0°.5/16.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 1.89	−13 48.9	2.241	3.056	12.5	20.9
3 22	13 57.29	−13 28.5	2.153	3.054	9.5	20.7
4 1	13 50.84	−12 56.8	2.089	3.051	6.1	20.5
4 11	13 43.16	−12 16.4	2.051	3.048	2.4	20.2
4 21	13 34.99	−11 30.9	2.043	3.045	1.7	20.2
5 1	13 27.20	−10 45.2	2.063	3.042	5.5	20.4
5 11	13 20.56	−10 4.1	2.110	3.038	9.0	20.6
5 21	13 15.61	− 9 31.7	2.181	3.035	12.1	20.8

462258 2008 DJ_{85} 4 16.4 264°.79 1°.6/14.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 1.58	− 9 39.9	1.726	2.567	14.4	21.4
3 22	13 57.58	− 8 46.6	1.638	2.556	10.9	21.2
4 1	13 51.28	− 7 40.1	1.574	2.545	6.8	20.9
4 11	13 43.37	− 6 25.8	1.535	2.534	2.5	20.6
4 21	13 34.79	− 5 10.6	1.524	2.522	3.4	20.7
5 1	13 26.63	− 4 2.3	1.540	2.511	7.8	20.9
5 11	13 19.88	− 3 7.7	1.580	2.499	12.1	21.1
5 21	13 15.25	− 2 31.1	1.642	2.488	15.8	21.3

190371 1999 RX_{81} 4 16.4 191°.18 0°.4/16.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 2.41	−14 13.7	2.584	3.390	11.3	21.3
3 22	13 57.42	−13 45.2	2.493	3.388	8.6	21.1
4 1	13 50.81	−13 6.0	2.426	3.386	5.5	20.9
4 11	13 43.13	−12 18.7	2.387	3.383	2.1	20.7
4 21	13 35.03	−11 26.6	2.378	3.380	1.5	20.6
5 1	13 27.26	−10 34.3	2.398	3.376	4.9	20.9
5 11	13 20.50	− 9 46.3	2.447	3.371	8.2	21.1
5 21	13 15.25	− 9 6.4	2.521	3.365	11.0	21.2

163019 2001 UB_{116} 4 16.4 224.°93 1.°0/15.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 0.92	− 8 48.2	2.608	3.431	10.7	20.6
3 22	13 56.30	− 8 18.8	2.515	3.423	8.0	20.4
4 1	13 50.12	− 7 42.2	2.447	3.414	5.0	20.2
4 11	13 42.89	− 7 1.7	2.407	3.405	1.8	20.0
4 21	13 35.23	− 6 20.7	2.397	3.396	2.2	20.0
5 1	13 27.86	− 5 43.4	2.416	3.386	5.5	20.2
5 11	13 21.42	− 5 13.4	2.463	3.376	8.6	20.4
5 21	13 16.42	− 4 53.3	2.534	3.366	11.3	20.6

299349 2005 SG_{196} 4 16.4 72.°21 0.°4/15.9 17

3 12	14 0.25	−10 56.8	2.331	3.156	11.7	21.1
3 22	13 55.83	−10 29.6	2.261	3.169	8.8	21.0
4 1	13 49.80	− 9 53.9	2.216	3.183	5.5	20.8
4 11	13 42.75	− 9 12.9	2.199	3.197	1.9	20.6
4 21	13 35.39	− 8 30.6	2.210	3.211	1.9	20.6
5 1	13 28.47	− 7 51.2	2.249	3.225	5.4	20.8
5 11	13 22.66	− 7 18.8	2.316	3.239	8.6	21.1
5 21	13 18.40	− 6 56.2	2.406	3.252	11.4	21.3

420377 2012 BC_{133} 4 16.4 72.°97 2.°1/15.2 18

3 12	14 10.01	− 5 8.2	1.492	2.334	16.2	20.9
3 22	14 3.93	− 5 8.3	1.432	2.349	12.2	20.7
4 1	13 55.18	− 5 3.4	1.395	2.365	7.6	20.4
4 11	13 44.71	− 4 57.5	1.383	2.381	3.1	20.2
4 21	13 33.76	− 4 55.0	1.398	2.396	3.7	20.3
5 1	13 23.64	− 4 59.7	1.440	2.412	8.2	20.6
5 11	13 15.46	− 5 14.7	1.507	2.428	12.4	20.9
5 21	13 9.84	− 5 41.1	1.594	2.443	16.1	21.1

398263 2010 TC_{40} 4 16.4 52.°27 0.°9/17.5 17

3 12	13 58.33	−15 46.2	2.471	3.282	11.6	21.3
3 22	13 54.41	−15 19.0	2.390	3.288	8.9	21.1
4 1	13 48.93	−14 40.2	2.334	3.294	5.8	20.9
4 11	13 42.45	−13 52.4	2.305	3.300	2.4	20.7
4 21	13 35.63	−12 59.2	2.304	3.306	1.5	20.6
5 1	13 29.17	−12 5.1	2.332	3.313	4.8	20.8
5 11	13 23.74	−11 14.9	2.388	3.319	8.0	21.1
5 21	13 19.77	−10 32.5	2.468	3.326	10.8	21.2

370998 2005 TB_{75} 4 16.4 206.°03 1.°9/14.5 17

3 12	14 0.62	− 9 44.8	1.855	2.693	13.7	21.0
3 22	13 56.60	− 8 31.5	1.775	2.692	10.2	20.8
4 1	13 50.52	− 7 5.2	1.719	2.690	6.3	20.5
4 11	13 43.06	− 5 32.0	1.690	2.688	2.5	20.3
4 21	13 35.11	− 3 59.6	1.689	2.685	3.5	20.3
5 1	13 27.62	− 2 35.8	1.716	2.683	7.6	20.6
5 11	13 21.48	− 1 27.4	1.768	2.680	11.4	20.8
5 21	13 17.25	− 0 38.2	1.843	2.677	14.8	21.0

172154 2002 NR_{13} 4 16.4 225.°42 3.°4/19.3 18

3 12	14 4.70	−21 25.1	1.873	2.666	15.4	20.5
3 22	13 59.95	−21 22.7	1.779	2.659	12.3	20.3
4 1	13 52.79	−21 1.5	1.706	2.651	8.7	20.1
4 11	13 43.94	−20 21.9	1.658	2.643	5.1	19.8
4 21	13 34.34	−19 26.7	1.638	2.635	3.5	19.7
5 1	13 25.15	−18 21.6	1.644	2.625	6.3	19.9
5 11	13 17.42	−17 14.3	1.677	2.616	10.2	20.1
5 21	13 11.87	−16 12.0	1.734	2.606	13.9	20.3

85915 1999 CU_{97} 4 16.4 84.°51 7.°1/10.8 18

3 12	14 4.86	+ 6 11.4	1.685	2.536	14.2	18.9
3 22	13 59.78	+ 7 14.5	1.631	2.545	11.1	18.7
4 1	13 52.46	+ 8 13.5	1.599	2.554	8.3	18.5
4 11	13 43.73	+ 9 0.3	1.593	2.563	7.1	18.5
4 21	13 34.60	+ 9 28.5	1.613	2.572	8.4	18.6
5 1	13 26.16	+ 9 34.1	1.658	2.581	11.2	18.7
5 11	13 19.32	+ 9 16.4	1.725	2.590	14.2	19.0
5 21	13 14.63	+ 8 37.3	1.812	2.599	16.9	19.2

70404 1999 RR_{245} 4 16.4 278.°46 0.°9/15.8 18 R

3 12	14 5.43	− 9 35.1	1.583	2.423	15.6	19.6
3 22	14 0.89	− 9 20.6	1.488	2.404	11.9	19.3
4 1	13 53.61	− 8 55.0	1.415	2.384	7.6	19.0
4 11	13 44.30	− 8 21.8	1.366	2.365	2.7	18.6
4 21	13 34.00	− 7 45.8	1.344	2.345	2.9	18.6
5 1	13 24.02	− 7 13.3	1.348	2.325	8.0	18.8
5 11	13 15.60	− 6 50.5	1.377	2.305	12.8	19.1
5 21	13 9.62	− 6 41.6	1.426	2.285	17.1	19.3

66727 1999 TH_{110} 4 16.4 159.°49 2.°2/18.4 18

3 12	14 2.89	−18 24.0	2.042	2.844	14.0	19.1
3 22	13 58.24	−18 16.6	1.957	2.846	10.9	18.9
4 1	13 51.53	−17 54.2	1.895	2.848	7.4	18.7
4 11	13 43.43	−17 18.1	1.859	2.850	3.8	18.5
4 21	13 34.81	−16 31.8	1.851	2.851	2.4	18.4
5 1	13 26.63	−15 40.4	1.871	2.853	5.6	18.6
5 11	13 19.76	−14 49.8	1.918	2.854	9.3	18.8
5 21	13 14.80	−14 5.6	1.988	2.855	12.6	19.0

217054 2001 QY_{260} 4 16.4 168.°82 4.°2/19.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 7.24	−22 34.8	1.684	2.475	16.9	20.8
3 22	14 2.04	−22 41.7	1.601	2.478	13.6	20.6
4 1	13 54.17	−22 27.9	1.539	2.481	9.8	20.3
4 11	13 44.43	−21 52.9	1.502	2.483	6.0	20.1
4 21	13 33.97	−20 59.8	1.490	2.485	4.2	20.0
5 1	13 24.08	−19 54.7	1.506	2.486	6.9	20.2
5 11	13 15.92	−18 46.2	1.548	2.487	10.8	20.4
5 21	13 10.25	−17 42.5	1.612	2.487	14.6	20.6

469893 2005 VS_{119} 4 16.4 58.°73 9.°6/ 8.3 18

3 12	14 3.93	+12 57.8	1.675	2.523	14.5	20.6
3 22	13 59.04	+14 18.5	1.634	2.536	11.9	20.5
4 1	13 51.96	+15 28.2	1.615	2.549	10.1	20.4
4 11	13 43.53	+16 17.8	1.621	2.563	9.6	20.4
4 21	13 34.81	+16 41.4	1.651	2.577	10.9	20.5
5 1	13 26.84	+16 36.1	1.705	2.591	13.1	20.7
5 11	13 20.49	+16 3.1	1.779	2.605	15.5	20.9
5 21	13 16.28	+15 6.3	1.871	2.619	17.7	21.1

317724 2003 QC_{49} 4 16.4 234.°31 1.°1/15.5 16

3 12	14 5.46	− 9 53.2	1.896	2.724	13.9	22.4
3 22	14 0.39	− 9 18.8	1.801	2.711	10.5	22.1
4 1	13 53.03	− 8 33.2	1.729	2.697	6.6	21.8
4 11	13 44.03	− 7 40.2	1.684	2.682	2.4	21.5
4 21	13 34.30	− 6 45.1	1.667	2.667	2.8	21.5
5 1	13 24.92	− 5 54.1	1.678	2.651	7.2	21.8
5 11	13 16.89	− 5 13.2	1.715	2.634	11.4	22.0
5 21	13 10.93	− 4 46.3	1.775	2.616	15.0	22.2

299929 2006 TG_{21} 4 16.4 174.°31 0.°3/16.0 17

3 12	14 0.25	−11 9.4	2.842	3.657	10.1	22.1
3 22	13 55.64	−10 39.5	2.756	3.659	7.6	22.0
4 1	13 49.63	−10 1.9	2.696	3.661	4.7	21.8
4 11	13 42.71	− 9 19.3	2.664	3.662	1.6	21.6
4 21	13 35.47	− 8 35.0	2.662	3.663	1.6	21.6
5 1	13 28.53	− 7 52.7	2.690	3.664	4.7	21.8
5 11	13 22.49	− 7 16.0	2.747	3.664	7.6	22.0
5 21	13 17.76	− 6 47.6	2.827	3.664	10.1	22.1

78903 2003 SP_{79} 4 16.4 91.°53 5.°3/20.9 18

3 12	14 6.58	−25 20.2	2.045	2.812	15.2	19.4
3 22	14 1.16	−25 59.8	1.965	2.821	12.5	19.3
4 1	13 53.44	−26 21.7	1.907	2.830	9.4	19.1
4 11	13 44.15	−26 24.7	1.873	2.839	6.6	18.9
4 21	13 34.24	−26 9.4	1.866	2.848	5.3	18.9
5 1	13 24.81	−25 39.2	1.886	2.857	6.7	19.0
5 11	13 16.84	−25 0.0	1.933	2.866	9.4	19.1
5 21	13 11.00	−24 18.4	2.003	2.875	12.3	19.3

456720 2007 RY_{316} 4 16.4 277.°32 0.°4/16.8 17

3 12	14 2.79	−14 41.3	1.525	2.358	16.4	21.4
3 22	13 59.01	−14 6.6	1.428	2.338	12.7	21.1
4 1	13 52.49	−13 12.7	1.352	2.318	8.2	20.8
4 11	13 43.92	−12 2.6	1.300	2.298	3.2	20.4
4 21	13 34.37	−10 42.4	1.274	2.277	2.4	20.3
5 1	13 25.16	− 9 21.0	1.275	2.256	7.8	20.5
5 11	13 17.55	− 8 8.1	1.300	2.235	12.9	20.8
5 21	13 12.42	− 7 10.9	1.346	2.214	17.4	21.0

428724 2008 RQ_{64} 4 16.4 137.°61 1.°1/17.5 17

3 12	14 4.72	−15 6.3	2.384	3.187	12.2	22.0
3 22	13 59.22	−15 0.1	2.306	3.198	9.4	21.9
4 1	13 51.96	−14 43.2	2.252	3.209	6.1	21.7
4 11	13 43.56	−14 17.4	2.225	3.220	2.6	21.5
4 21	13 34.77	−13 45.6	2.228	3.230	1.7	21.4
5 1	13 26.42	−13 11.8	2.260	3.240	5.0	21.6
5 11	13 19.25	−12 40.2	2.320	3.249	8.3	21.9
5 21	13 13.75	−12 14.6	2.405	3.257	11.2	22.1

519079 2010 LS_{32} 4 16.4 311.°79 2.°3/13.7 17

3 12	13 56.92	− 8 9.1	2.179	3.020	11.8	20.9
3 22	13 53.58	− 6 45.8	2.092	3.011	8.8	20.7
4 1	13 48.54	− 5 11.5	2.031	3.002	5.4	20.5
4 11	13 42.36	− 3 32.3	1.997	2.994	2.5	20.3
4 21	13 35.75	− 1 55.1	1.993	2.985	3.7	20.3
5 1	13 29.48	− 0 26.9	2.017	2.977	7.1	20.5
5 11	13 24.28	+ 0 46.2	2.067	2.969	10.5	20.7
5 21	13 20.65	+ 1 41.1	2.139	2.961	13.5	20.9

499546 2010 RM_{119} 4 16.4 280.°32 1.°3/17.3 17

3 12	14 4.29	−15 14.4	1.588	2.415	16.2	21.7
3 22	14 0.14	−15 3.6	1.486	2.392	12.7	21.4
4 1	13 53.23	−14 36.1	1.406	2.369	8.4	21.1
4 11	13 44.21	−13 53.4	1.349	2.345	3.6	20.7
4 21	13 34.12	−12 59.7	1.319	2.321	2.3	20.6
5 1	13 24.28	−12 1.7	1.315	2.297	7.4	20.8
5 11	13 15.99	−11 7.7	1.336	2.273	12.4	21.1
5 21	13 10.17	−10 24.7	1.378	2.249	16.8	21.3

469712 2005 JN_{53} 4 16.4 277°.37 0°.1/16.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 0.56	−12 20.9	2.127	2.952	12.7	21.6
3 22	13 56.40	−11 54.2	2.039	2.946	9.6	21.4
4 1	13 50.36	−11 16.6	1.974	2.940	6.1	21.2
4 11	13 43.03	−10 30.8	1.935	2.933	2.2	20.9
4 21	13 35.20	− 9 41.4	1.925	2.927	1.9	20.9
5 1	13 27.72	− 8 53.3	1.943	2.921	5.9	21.1
5 11	13 21.40	− 8 11.9	1.987	2.914	9.6	21.3
5 21	13 16.82	− 7 40.9	2.055	2.908	12.8	21.5

380890 2006 DT_{49} 4 16.4 28°.97 5°.1/19.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 7.31	−21 35.0	1.677	2.473	16.8	20.1
3 22	14 2.15	−22 29.8	1.601	2.479	13.6	19.9
4 1	13 54.29	−23 8.2	1.545	2.484	10.0	19.7
4 11	13 44.51	−23 28.1	1.513	2.491	6.5	19.5
4 21	13 33.95	−23 29.8	1.507	2.497	5.1	19.4
5 1	13 23.92	−23 16.5	1.528	2.504	7.3	19.5
5 11	13 15.61	−22 54.5	1.574	2.512	10.8	19.8
5 21	13 9.80	−22 30.5	1.642	2.520	14.2	20.0

388781 2008 AC_{25} 4 16.4 299°.10 8°.4/ 5.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	13 59.24	+14 17.1	2.257	3.096	11.5	20.4
3 22	13 55.23	+15 48.5	2.198	3.091	9.7	20.3
4 1	13 49.53	+17 11.9	2.164	3.086	8.6	20.2
4 11	13 42.71	+18 19.8	2.155	3.080	8.6	20.2
4 21	13 35.51	+19 6.6	2.172	3.075	9.8	20.3
5 1	13 28.71	+19 28.6	2.213	3.070	11.7	20.4
5 11	13 23.03	+19 25.3	2.275	3.065	13.7	20.5
5 21	13 18.95	+18 58.6	2.356	3.060	15.6	20.6

63585 2001 QB_{44} 4 16.4 196°.60 3°.9/11.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 0.00	− 0 6.6	2.460	3.301	10.6	19.9
3 22	13 55.63	+ 0 57.8	2.383	3.299	8.0	19.7
4 1	13 49.71	+ 2 4.6	2.333	3.297	5.4	19.6
4 11	13 42.76	+ 3 8.6	2.310	3.294	3.9	19.5
4 21	13 35.46	+ 4 4.4	2.316	3.291	5.0	19.5
5 1	13 28.51	+ 4 47.7	2.351	3.288	7.6	19.7
5 11	13 22.55	+ 5 15.5	2.411	3.285	10.3	19.9
5 21	13 18.06	+ 5 26.8	2.493	3.281	12.7	20.0

240017 2001 TU_{199} 4 16.4 176°.55 3°.4/12.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	13 59.61	− 1 49.8	2.493	3.333	10.6	20.7
3 22	13 55.31	− 0 47.4	2.418	3.334	7.9	20.5
4 1	13 49.48	+ 0 18.5	2.369	3.335	5.2	20.3
4 11	13 42.68	+ 1 22.7	2.348	3.336	3.4	20.2
4 21	13 35.54	+ 2 20.2	2.356	3.336	4.5	20.3
5 1	13 28.75	+ 3 6.6	2.392	3.336	7.1	20.4
5 11	13 22.95	+ 3 38.6	2.454	3.336	9.9	20.6
5 21	13 18.59	+ 3 55.0	2.539	3.336	12.3	20.8

294144 2007 TC_{313} 4 16.4 223°.61 1°.7/14.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 1.45	− 7 6.0	2.196	3.030	12.0	21.5
3 22	13 56.95	− 6 32.6	2.113	3.027	9.0	21.3
4 1	13 50.64	− 5 52.4	2.055	3.024	5.6	21.1
4 11	13 43.12	− 5 9.1	2.024	3.021	2.3	20.9
4 21	13 35.16	− 4 27.4	2.021	3.018	3.0	20.9
5 1	13 27.57	− 3 52.0	2.047	3.014	6.5	21.1
5 11	13 21.11	− 3 26.7	2.099	3.011	9.9	21.3
5 21	13 16.34	− 3 14.0	2.173	3.007	12.9	21.5

95003 2001 YA_{150} 4 16.4 333°.56 6°.1/12.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 6.17	+ 3 42.6	1.480	2.336	15.6	18.4
3 22	14 1.35	+ 4 4.5	1.405	2.325	12.1	18.2
4 1	13 53.81	+ 4 23.2	1.351	2.316	8.5	18.0
4 11	13 44.35	+ 4 31.9	1.322	2.306	6.2	17.8
4 21	13 34.13	+ 4 24.8	1.318	2.298	7.4	17.8
5 1	13 24.47	+ 3 58.1	1.340	2.290	11.0	18.0
5 11	13 16.55	+ 3 10.9	1.384	2.283	14.9	18.2
5 21	13 11.15	+ 2 5.0	1.447	2.277	18.4	18.4

93247 2000 ST_{156} 4 16.4 40°.85 6°.5/12.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 11.48	+ 7 23.1	1.738	2.575	14.5	18.9
3 22	14 4.79	+ 7 34.1	1.672	2.579	11.4	18.7
4 1	13 55.65	+ 7 38.1	1.628	2.582	8.3	18.5
4 11	13 44.93	+ 7 29.0	1.611	2.586	6.5	18.4
4 21	13 33.72	+ 7 3.1	1.621	2.590	7.5	18.5
5 1	13 23.21	+ 6 18.6	1.659	2.594	10.4	18.6
5 11	13 14.43	+ 5 16.3	1.721	2.598	13.6	18.8
5 21	13 7.99	+ 3 58.9	1.804	2.603	16.5	19.0

230650 2003 SC_{30} 4 16.4 236°.72 2°.3/18.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 3.25	−18 22.9	2.093	2.894	13.7	20.7
3 22	13 58.57	−18 23.4	2.000	2.888	10.8	20.5
4 1	13 51.81	−18 9.7	1.931	2.882	7.4	20.3
4 11	13 43.59	−17 42.6	1.887	2.877	3.9	20.0
4 21	13 34.78	−17 4.9	1.871	2.870	2.5	19.9
5 1	13 26.32	−16 21.0	1.883	2.864	5.6	20.1
5 11	13 19.11	−15 36.8	1.922	2.858	9.3	20.3
5 21	13 13.80	−14 57.5	1.984	2.851	12.6	20.5

505431 2013 RV_{75} 4 16.4 188°.73 1°.4/17.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 4.79	−16 38.2	2.497	3.291	12.0	23.7
3 22	13 59.33	−16 26.9	2.404	3.290	9.3	23.5
4 1	13 52.09	−16 3.8	2.335	3.289	6.2	23.3
4 11	13 43.66	−15 30.4	2.294	3.286	2.9	23.1
4 21	13 34.75	−14 49.7	2.282	3.283	1.8	23.0
5 1	13 26.19	−14 5.6	2.300	3.279	5.0	23.2
5 11	13 18.72	−13 23.0	2.347	3.275	8.2	23.4
5 21	13 12.88	−12 45.9	2.418	3.270	11.2	23.6

330992 2009 UM_{27} 4 16.4 202°.29 4°.8/12.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 7.59	+ 3 48.0	2.260	3.092	11.8	20.8
3 22	14 1.47	+ 4 19.6	2.180	3.088	9.1	20.7
4 1	13 53.44	+ 4 49.5	2.126	3.083	6.4	20.5
4 11	13 44.14	+ 5 12.6	2.099	3.078	4.8	20.4
4 21	13 34.37	+ 5 24.6	2.101	3.072	5.8	20.4
5 1	13 25.02	+ 5 22.5	2.131	3.066	8.5	20.6
5 11	13 16.90	+ 5 4.7	2.188	3.059	11.3	20.7
5 21	13 10.56	+ 4 31.7	2.267	3.051	14.0	20.9

502546 2015 BQ_{459} 4 16.4 198°.86 3°.8/12.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 2.98	− 0 43.0	2.323	3.160	11.3	21.8
3 22	13 57.98	+ 0 14.6	2.243	3.157	8.5	21.6
4 1	13 51.23	+ 1 15.1	2.188	3.153	5.7	21.4
4 11	13 43.34	+ 2 13.3	2.162	3.148	3.9	21.3
4 21	13 35.03	+ 3 3.7	2.164	3.143	5.0	21.4
5 1	13 27.09	+ 3 41.8	2.195	3.137	7.8	21.5
5 11	13 20.24	+ 4 4.4	2.251	3.131	10.7	21.7
5 21	13 15.02	+ 4 10.5	2.330	3.123	13.4	21.9

316582 2011 US_{13} 4 16.4 295°.87 3°.3/19.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 3.06	−20 35.2	2.289	3.076	13.1	20.8
3 22	13 58.32	−20 56.6	2.195	3.070	10.5	20.6
4 1	13 51.61	−21 4.6	2.123	3.065	7.5	20.4
4 11	13 43.53	−20 59.2	2.077	3.059	4.6	20.2
4 21	13 34.85	−20 41.8	2.059	3.054	3.3	20.1
5 1	13 26.47	−20 15.5	2.070	3.048	5.5	20.2
5 11	13 19.24	−19 45.1	2.107	3.043	8.6	20.4
5 21	13 13.78	−19 15.5	2.168	3.037	11.6	20.6

58181 1991 CG_{1} 4 16.4 63°.81 2°.1/18.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 6.38	−16 45.2	1.538	2.358	16.9	18.0
3 22	14 1.23	−16 49.0	1.479	2.379	13.1	17.8
4 1	13 53.52	−16 36.3	1.442	2.401	8.7	17.6
4 11	13 44.18	−16 8.9	1.429	2.422	4.1	17.4
4 21	13 34.39	−15 31.2	1.442	2.444	2.6	17.3
5 1	13 25.40	−14 49.3	1.482	2.465	6.7	17.6
5 11	13 18.26	−14 10.2	1.547	2.487	10.8	17.9
5 21	13 13.58	−13 39.5	1.634	2.508	14.5	18.2

394345 2006 YH_{29} 4 16.5 354°.10 5°.7/22.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 1.69	−28 37.8	2.285	3.035	14.2	20.6
3 22	13 57.39	−29 5.5	2.194	3.034	11.9	20.4
4 1	13 51.07	−29 14.8	2.123	3.033	9.4	20.3
4 11	13 43.34	−29 4.5	2.077	3.032	7.0	20.1
4 21	13 35.02	−28 35.5	2.057	3.031	5.7	20.0
5 1	13 27.06	−27 50.9	2.064	3.031	6.5	20.1
5 11	13 20.33	−26 56.6	2.097	3.030	8.8	20.2
5 21	13 15.44	−25 58.8	2.155	3.030	11.4	20.4

271752 2004 RS_{341} 4 16.5 223°.53 0°.4/16.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 6.27	− 9 50.5	2.497	3.309	11.4	20.9
3 22	14 0.48	− 9 43.5	2.397	3.298	8.7	20.7
4 1	13 52.86	− 9 29.5	2.321	3.285	5.5	20.5
4 11	13 43.97	− 9 10.6	2.274	3.272	1.9	20.2
4 21	13 34.52	− 8 49.7	2.257	3.259	1.9	20.2
5 1	13 25.33	− 8 30.1	2.271	3.244	5.5	20.4
5 11	13 17.17	− 8 15.4	2.312	3.229	8.9	20.6
5 21	13 10.64	− 8 8.3	2.378	3.213	11.9	20.7

184457 2005 NL_{76} 4 16.5 216°.31 3°.9/11.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	13 59.32	− 0 0.6	2.493	3.336	10.5	20.6
3 22	13 55.14	+ 1 2.6	2.415	3.332	7.9	20.4
4 1	13 49.42	+ 2 8.1	2.363	3.327	5.3	20.2
4 11	13 42.70	+ 3 10.9	2.339	3.323	3.9	20.1
4 21	13 35.61	+ 4 5.6	2.343	3.318	5.0	20.2
5 1	13 28.86	+ 4 48.1	2.376	3.313	7.5	20.3
5 11	13 23.07	+ 5 15.2	2.434	3.308	10.2	20.5
5 21	13 18.71	+ 5 26.1	2.514	3.303	12.6	20.6

138572 2000 QV_{92} 4 16.5 129°.59 1°.2/17.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 0.84	−16 29.7	2.629	3.429	11.3	19.9
3 22	13 56.21	−16 11.3	2.549	3.439	8.7	19.7
4 1	13 50.06	−15 41.9	2.492	3.448	5.7	19.5
4 11	13 42.92	−15 3.5	2.464	3.457	2.6	19.3
4 21	13 35.45	−14 19.0	2.464	3.466	1.6	19.3
5 1	13 28.36	−13 32.6	2.494	3.474	4.5	19.5
5 11	13 22.26	−12 48.5	2.552	3.482	7.6	19.7
5 21	13 17.62	−12 10.5	2.635	3.490	10.2	19.9

435017 2006 VE_{59} 4 16.5 211°.19 3°.9/11.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 2.09	+ 3 1.8	2.898	3.730	9.5	22.0
3 22	13 57.00	+ 3 40.0	2.814	3.723	7.3	21.8
4 1	13 50.50	+ 4 17.7	2.757	3.716	5.1	21.7
4 11	13 43.08	+ 4 50.7	2.729	3.708	3.9	21.6
4 21	13 35.32	+ 5 15.6	2.730	3.700	4.8	21.6
5 1	13 27.84	+ 5 29.4	2.760	3.691	6.9	21.8
5 11	13 21.23	+ 5 30.3	2.817	3.682	9.3	21.9
5 21	13 15.92	+ 5 18.0	2.896	3.672	11.4	22.0

188021 2001 UD_{37} 4 16.5 227°.92 4°.7/11.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 3.65	+ 1 7.9	2.158	2.999	11.9	21.2
3 22	13 58.68	+ 2 9.2	2.073	2.988	9.1	21.0
4 1	13 51.80	+ 3 12.8	2.014	2.976	6.3	20.8
4 11	13 43.60	+ 4 12.5	1.982	2.964	4.7	20.6
4 21	13 34.88	+ 5 2.4	1.978	2.951	5.9	20.7
5 1	13 26.51	+ 5 37.4	2.001	2.938	8.8	20.8
5 11	13 19.31	+ 5 54.4	2.050	2.923	11.9	21.0
5 21	13 13.86	+ 5 52.6	2.120	2.909	14.7	21.2

106192 2000 UP_{12} 4 16.5 84°.16 0°.2/16.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 3.97	−13 21.0	1.876	2.699	14.2	20.6
3 22	13 58.96	−12 52.4	1.814	2.720	10.8	20.4
4 1	13 51.91	−12 11.5	1.776	2.740	6.8	20.2
4 11	13 43.60	−11 21.9	1.763	2.761	2.5	20.0
4 21	13 34.95	−10 28.6	1.779	2.781	1.9	20.0
5 1	13 26.93	− 9 37.5	1.822	2.801	6.1	20.3
5 11	13 20.39	− 8 54.1	1.892	2.821	9.9	20.6
5 21	13 15.82	− 8 22.1	1.985	2.840	13.1	20.8

470076 2006 SQ_{327} 4 16.5 213°.16 0°.8/15.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 0.92	− 9 13.7	2.811	3.630	10.1	22.6
3 22	13 56.23	− 8 44.9	2.717	3.623	7.6	22.4
4 1	13 50.08	− 8 9.4	2.649	3.615	4.7	22.2
4 11	13 42.95	− 7 29.8	2.609	3.607	1.7	22.0
4 21	13 35.44	− 6 49.5	2.599	3.599	2.0	22.0
5 1	13 28.19	− 6 12.3	2.620	3.590	5.1	22.2
5 11	13 21.82	− 5 41.5	2.667	3.581	8.0	22.4
5 21	13 16.78	− 5 19.7	2.740	3.571	10.6	22.5

102084 1999 RF_{150} 4 16.5 228°.89 1°.6/14.5 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	13 59.34	− 6 58.9	2.819	3.646	9.8	20.9
3 22	13 55.05	− 6 16.1	2.726	3.637	7.4	20.7
4 1	13 49.34	− 5 27.3	2.658	3.626	4.6	20.5
4 11	13 42.69	− 4 35.8	2.619	3.616	1.9	20.3
4 21	13 35.66	− 3 45.5	2.610	3.605	2.6	20.4
5 1	13 28.89	− 3 0.5	2.630	3.594	5.5	20.5
5 11	13 22.97	− 2 24.2	2.678	3.582	8.3	20.7
5 21	13 18.32	− 1 59.0	2.750	3.570	10.9	20.8

58941 1998 QK_{29} 4 16.5 143°.05 3°.2/19.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 5.25	−21 21.0	1.900	2.692	15.3	20.4
3 22	14 0.19	−21 15.8	1.820	2.699	12.1	20.2
4 1	13 52.86	−20 52.2	1.762	2.707	8.5	20.0
4 11	13 44.00	−20 11.2	1.729	2.713	4.9	19.8
4 21	13 34.59	−19 16.1	1.723	2.720	3.3	19.7
5 1	13 25.72	−18 12.8	1.745	2.726	6.0	19.9
5 11	13 18.36	−17 8.6	1.793	2.731	9.7	20.1
5 21	13 13.14	−16 10.1	1.865	2.736	13.1	20.3

142014 Neirinck 4 16.5 258°.65 1°.5/17.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 5.00	−15 19.5	1.631	2.455	16.0	20.8
3 22	14 0.39	−15 18.4	1.548	2.451	12.4	20.5
4 1	13 53.20	−15 2.4	1.486	2.447	8.2	20.3
4 11	13 44.18	−14 33.1	1.448	2.443	3.6	20.0
4 21	13 34.40	−13 54.3	1.437	2.439	2.3	19.9
5 1	13 25.11	−13 11.9	1.453	2.435	6.8	20.2
5 11	13 17.44	−12 32.9	1.494	2.431	11.3	20.4
5 21	13 12.15	−12 2.8	1.556	2.427	15.2	20.6

6802 Černovice 4 16.5 231°.64 0°.5/16.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 1.19	−13 46.3	2.851	3.656	10.4	19.1
3 22	13 56.49	−13 27.4	2.747	3.643	7.9	18.9
4 1	13 50.28	−12 59.2	2.669	3.630	5.1	18.7
4 11	13 43.04	−12 23.9	2.619	3.616	2.0	18.4
4 21	13 35.37	−11 44.2	2.599	3.602	1.4	18.3
5 1	13 27.93	−11 3.6	2.609	3.587	4.6	18.6
5 11	13 21.34	−10 26.1	2.647	3.572	7.6	18.7
5 21	13 16.09	− 9 54.9	2.711	3.556	10.3	18.9

300841 2007 XW_{47} 4 16.5 54°.62 1°.4/17.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 1.24	−16 17.6	2.074	2.886	13.4	20.6
3 22	13 56.89	−16 6.9	2.001	2.898	10.3	20.4
4 1	13 50.64	−15 43.0	1.951	2.909	6.8	20.2
4 11	13 43.17	−15 8.3	1.928	2.921	3.1	20.0
4 21	13 35.30	−14 26.4	1.932	2.933	1.9	19.9
5 1	13 27.91	−13 42.1	1.964	2.946	5.4	20.2
5 11	13 21.80	−13 0.7	2.022	2.958	8.9	20.4
5 21	13 17.47	−12 26.6	2.105	2.970	12.0	20.6

457462 2008 UZ_{182} 4 16.5 91°.41 0°.6/15.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 3.75	−13 50.0	1.406	2.245	17.2	21.5
3 22	13 59.44	−12 44.9	1.344	2.259	13.0	21.3
4 1	13 52.49	−11 21.0	1.303	2.273	8.1	21.0
4 11	13 43.86	− 9 44.8	1.288	2.286	2.8	20.7
4 21	13 34.75	− 8 5.5	1.298	2.300	2.8	20.8
5 1	13 26.45	− 6 33.6	1.335	2.313	8.0	21.1
5 11	13 20.01	− 5 18.0	1.397	2.326	12.6	21.4
5 21	13 16.06	− 4 23.5	1.479	2.339	16.5	21.7

228642 2002 EK_{24} 4 16.5 131°.49 0°.7/17.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 3.62	−14 5.2	1.970	2.788	13.8	20.9
3 22	13 58.81	−13 51.2	1.891	2.793	10.6	20.7
4 1	13 51.92	−13 24.9	1.835	2.797	6.8	20.5
4 11	13 43.65	−12 48.8	1.805	2.802	2.7	20.2
4 21	13 34.89	−12 6.9	1.804	2.806	1.8	20.1
5 1	13 26.60	−11 24.4	1.830	2.810	5.9	20.4
5 11	13 19.66	−10 46.6	1.883	2.814	9.7	20.7
5 21	13 14.67	−10 17.9	1.959	2.818	13.1	20.9

337852 2001 VF_{104} 4 16.5 106°.54 1°.4/15.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 3.43	− 6 34.3	2.551	3.376	10.9	21.3
3 22	13 58.06	− 6 16.0	2.484	3.393	8.1	21.1
4 1	13 51.16	− 5 53.0	2.443	3.410	5.0	20.9
4 11	13 43.32	− 5 28.5	2.430	3.427	2.0	20.7
4 21	13 35.21	− 5 5.5	2.446	3.443	2.5	20.8
5 1	13 27.54	− 4 47.4	2.492	3.459	5.5	21.0
5 11	13 20.93	− 4 36.9	2.565	3.475	8.4	21.2
5 21	13 15.83	− 4 35.4	2.663	3.491	11.0	21.4

146184 2000 SX_{333} 4 16.5 169°.92 3°.6/11.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	13 59.92	+ 1 58.1	3.028	3.863	9.0	21.5
3 22	13 55.28	+ 2 51.2	2.956	3.866	6.9	21.4
4 1	13 49.38	+ 3 44.5	2.910	3.870	4.8	21.3
4 11	13 42.69	+ 4 33.8	2.893	3.873	3.6	21.2
4 21	13 35.73	+ 5 15.4	2.906	3.875	4.6	21.3
5 1	13 29.07	+ 5 46.2	2.948	3.877	6.6	21.4
5 11	13 23.24	+ 6 4.0	3.016	3.879	8.8	21.5
5 21	13 18.61	+ 6 8.4	3.107	3.880	10.8	21.7

278826 2008 SY_{268} 4 16.5 182°.71 3°.0/19.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 2.32	−21 30.3	2.138	2.927	13.9	20.7
3 22	13 57.82	−21 19.0	2.049	2.927	11.1	20.5
4 1	13 51.31	−20 50.7	1.983	2.927	7.8	20.3
4 11	13 43.45	−20 6.4	1.942	2.927	4.5	20.1
4 21	13 35.07	−19 9.3	1.929	2.926	3.0	20.0
5 1	13 27.11	−18 4.6	1.945	2.926	5.5	20.1
5 11	13 20.41	−16 58.9	1.987	2.925	8.9	20.3
5 21	13 15.57	−15 58.2	2.054	2.924	12.1	20.5

185140 2006 SE_{129} 4 16.5 50°.44 1°.6/15.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 14.55	− 3 51.9	1.981	2.800	13.7	19.6
3 22	14 6.51	− 4 19.7	1.934	2.838	10.2	19.5
4 1	13 56.42	− 4 45.2	1.911	2.876	6.3	19.3
4 11	13 45.16	− 5 10.5	1.918	2.914	2.5	19.1
4 21	13 33.76	− 5 37.1	1.954	2.952	2.8	19.2
5 1	13 23.22	− 6 6.8	2.021	2.990	6.4	19.5
5 11	13 14.36	− 6 40.9	2.116	3.028	9.8	19.8
5 21	13 7.68	− 7 20.2	2.235	3.066	12.7	20.0

241186 2007 RN_{285} 4 16.5 146°.69 1°.1/15.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 4.75	− 7 24.5	2.166	2.993	12.4	20.8
3 22	13 59.46	− 7 19.1	2.085	2.995	9.3	20.6
4 1	13 52.26	− 7 7.9	2.029	2.997	5.8	20.4
4 11	13 43.78	− 6 53.9	2.000	2.998	2.1	20.1
4 21	13 34.82	− 6 40.3	2.000	2.999	2.4	20.2
5 1	13 26.28	− 6 30.6	2.028	3.001	6.1	20.4
5 11	13 18.96	− 6 28.0	2.084	3.002	9.6	20.6
5 21	13 13.42	− 6 34.5	2.162	3.003	12.7	20.8

503949 2003 UN_{287} 4 16.5 252°.65 0°.6/15.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 4.89	−11 32.0	1.851	2.678	14.2	22.8
3 22	14 0.14	−10 55.5	1.749	2.658	10.9	22.5
4 1	13 53.02	−10 5.5	1.671	2.638	6.9	22.2
4 11	13 44.15	− 9 5.5	1.618	2.616	2.4	21.9
4 21	13 34.45	− 8 0.9	1.594	2.595	2.5	21.9
5 1	13 25.04	− 6 58.5	1.597	2.572	7.2	22.1
5 11	13 16.97	− 6 5.3	1.627	2.549	11.6	22.3
5 21	13 11.00	− 5 26.4	1.678	2.525	15.5	22.5

22337 1992 EV_{32} 4 16.5 156°.98 0°.1/16.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 2.10	−13 10.0	2.209	3.027	12.5	19.4
3 22	13 57.43	−12 37.2	2.129	3.032	9.5	19.2
4 1	13 50.96	−11 53.0	2.072	3.036	6.0	19.0
4 11	13 43.30	−11 0.7	2.042	3.040	2.2	18.7
4 21	13 35.22	−10 4.5	2.041	3.043	1.8	18.7
5 1	13 27.57	− 9 9.8	2.069	3.046	5.6	18.9
5 11	13 21.10	− 8 21.8	2.124	3.049	9.1	19.2
5 21	13 16.33	− 7 44.2	2.203	3.052	12.2	19.4

373813 2002 VP_{139} 4 16.5 234.°50 0.°4/15.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	13 55.60	− 8 39.7	4.531	5.345	6.6	20.3
3 22	13 51.75	− 8 32.2	4.440	5.344	5.0	20.2
4 1	13 47.07	− 8 21.4	4.377	5.342	3.1	20.1
4 11	13 41.85	− 8 8.8	4.342	5.341	1.1	19.9
4 21	13 36.44	− 7 55.9	4.339	5.339	1.2	19.9
5 1	13 31.18	− 7 44.3	4.365	5.337	3.2	20.1
5 11	13 26.42	− 7 35.7	4.421	5.336	5.1	20.2
5 21	13 22.43	− 7 31.4	4.503	5.334	6.8	20.3

232299 2002 RC_{245} 4 16.5 204.°73 1.°1/15.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 6.40	−10 42.3	1.533	2.370	16.2	21.6
3 22	14 1.52	−10 4.4	1.452	2.367	12.3	21.3
4 1	13 53.94	− 9 12.5	1.394	2.363	7.7	21.0
4 11	13 44.47	− 8 11.3	1.360	2.359	2.7	20.7
4 21	13 34.25	− 7 7.5	1.354	2.354	3.0	20.7
5 1	13 24.58	− 6 9.1	1.374	2.349	8.1	21.0
5 11	13 16.64	− 5 23.2	1.418	2.343	12.8	21.3
5 21	13 11.19	− 4 54.4	1.484	2.337	16.8	21.5

118692 2000 OS_{28} 4 16.5 253.°67 7.°0/23.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 3.93	−31 30.6	1.997	2.737	16.3	19.6
3 22	13 59.55	−31 50.1	1.896	2.726	13.9	19.4
4 1	13 52.69	−31 46.0	1.814	2.715	11.2	19.2
4 11	13 44.04	−31 16.1	1.755	2.703	8.6	19.0
4 21	13 34.59	−30 20.6	1.722	2.691	7.0	18.8
5 1	13 25.50	−29 3.6	1.714	2.679	7.8	18.9
5 11	13 17.88	−27 33.2	1.733	2.667	10.2	19.0
5 21	13 12.50	−25 58.6	1.775	2.654	13.3	19.1

389756 2011 SW_{180} 4 16.5 216.°67 0.°0/16.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	13 59.17	−13 19.1	2.635	3.449	10.8	21.2
3 22	13 55.03	−12 38.6	2.543	3.444	8.2	21.0
4 1	13 49.39	−11 47.7	2.475	3.439	5.2	20.8
4 11	13 42.74	−10 49.3	2.436	3.434	1.9	20.5
4 21	13 35.71	− 9 47.4	2.426	3.428	1.6	20.5
5 1	13 28.99	− 8 46.6	2.446	3.422	4.9	20.7
5 11	13 23.19	− 7 51.7	2.493	3.416	8.1	20.9
5 21	13 18.78	− 7 6.1	2.565	3.409	10.8	21.1

402411 2005 YO_{154} 4 16.5 149.°68 4.°6/19.8 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 7.22	−22 26.9	1.537	2.336	17.9	21.8
3 22	14 2.30	−22 43.8	1.459	2.340	14.5	21.6
4 1	13 54.51	−22 39.1	1.400	2.343	10.5	21.3
4 11	13 44.70	−22 12.2	1.365	2.346	6.4	21.1
4 21	13 34.08	−21 25.7	1.355	2.349	4.6	21.0
5 1	13 24.07	−20 25.7	1.371	2.352	7.4	21.2
5 11	13 15.95	−19 21.5	1.412	2.354	11.4	21.4
5 21	13 10.49	−18 21.6	1.475	2.356	15.3	21.6

259000 2002 TE_{92} 4 16.5 276.°85 0.°6/16.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 3.87	−13 47.7	1.670	2.498	15.4	21.5
3 22	13 59.63	−13 32.3	1.573	2.480	11.9	21.2
4 1	13 52.83	−13 2.0	1.497	2.462	7.8	20.9
4 11	13 44.12	−12 19.3	1.447	2.444	3.0	20.6
4 21	13 34.51	−11 28.6	1.423	2.425	2.2	20.4
5 1	13 25.21	−10 36.4	1.426	2.407	7.1	20.7
5 11	13 17.40	− 9 50.0	1.453	2.388	11.8	20.9
5 21	13 11.89	− 9 15.2	1.503	2.369	16.0	21.1

203323 2001 TM_{111} 4 16.5 199.°35 1.°6/17.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 5.91	−17 35.0	1.813	2.621	15.3	20.6
3 22	14 0.86	−17 9.1	1.724	2.618	11.9	20.4
4 1	13 53.39	−16 25.3	1.657	2.614	7.9	20.1
4 11	13 44.26	−15 26.0	1.616	2.609	3.6	19.9
4 21	13 34.45	−14 15.8	1.602	2.604	2.2	19.8
5 1	13 25.12	−13 1.8	1.617	2.598	6.4	20.0
5 11	13 17.29	−11 51.9	1.658	2.592	10.7	20.2
5 21	13 11.68	−10 52.6	1.722	2.584	14.4	20.5

306961 2001 UR_{222} 4 16.5 191.°72 1.°0/15.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 4.82	− 9 4.7	2.156	2.981	12.6	22.0
3 22	13 59.56	− 8 39.8	2.071	2.979	9.5	21.8
4 1	13 52.36	− 8 6.7	2.011	2.978	5.9	21.6
4 11	13 43.84	− 7 28.8	1.977	2.975	2.1	21.3
4 21	13 34.82	− 6 50.2	1.973	2.972	2.4	21.3
5 1	13 26.20	− 6 15.6	1.997	2.969	6.3	21.5
5 11	13 18.80	− 5 49.3	2.048	2.965	9.9	21.8
5 21	13 13.20	− 5 34.1	2.123	2.961	13.0	22.0

21260 1996 FE 4 16.5 102.°44 0.°2/16.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 3.54	−21 12.1	1.116	1.949	21.2	18.2
3 22	13 59.90	−18 46.4	1.050	1.960	16.2	17.9
4 1	13 53.04	−15 39.8	1.005	1.972	10.3	17.6
4 11	13 44.13	−12 3.5	0.985	1.983	3.7	17.3
4 21	13 34.66	− 8 17.4	0.991	1.993	3.2	17.3
5 1	13 26.25	− 4 44.9	1.026	2.004	9.7	17.7
5 11	13 20.16	− 1 45.2	1.084	2.014	15.4	18.0
5 21	13 17.01	+ 0 32.4	1.163	2.024	20.0	18.4

22030 1999 XU_{127} 4 16.5 347.°13 3.°3/13.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 0.10	− 6 37.5	1.345	2.208	16.4	17.4
3 22	13 56.95	− 5 35.8	1.275	2.204	12.3	17.2
4 1	13 51.14	− 4 22.1	1.225	2.200	7.7	16.9
4 11	13 43.48	− 3 4.1	1.200	2.196	3.7	16.7
4 21	13 35.12	− 1 51.2	1.199	2.194	5.1	16.7
5 1	13 27.37	− 0 52.4	1.223	2.192	9.8	17.0
5 11	13 21.36	− 0 14.4	1.270	2.190	14.3	17.2
5 21	13 17.83	+ 0 0.2	1.335	2.189	18.3	17.5

94015 2000 XT_{29} 4 16.5 201.°38 4.°1/12.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 5.02	+ 1 36.1	2.383	3.217	11.2	19.5
3 22	13 59.49	+ 2 15.1	2.303	3.213	8.5	19.3
4 1	13 52.21	+ 2 54.4	2.247	3.209	5.8	19.2
4 11	13 43.78	+ 3 29.2	2.220	3.204	4.1	19.0
4 21	13 34.91	+ 3 55.2	2.222	3.198	5.2	19.1
5 1	13 26.41	+ 4 8.8	2.252	3.192	7.8	19.2
5 11	13 19.03	+ 4 7.8	2.308	3.185	10.6	19.4
5 21	13 13.27	+ 3 52.0	2.387	3.177	13.2	19.6

152460 2005 VY_{16} 4 16.5 108.°10 5.°5/20.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 7.85	−24 40.0	1.869	2.643	16.1	20.4
3 22	14 2.39	−25 22.2	1.789	2.650	13.2	20.2
4 1	13 54.40	−25 46.1	1.729	2.656	10.0	20.1
4 11	13 44.65	−25 50.0	1.694	2.663	6.9	19.9
4 21	13 34.17	−25 34.4	1.685	2.669	5.5	19.8
5 1	13 24.19	−25 3.0	1.703	2.675	7.1	19.9
5 11	13 15.81	−24 22.3	1.747	2.682	10.1	20.1
5 21	13 9.77	−23 39.5	1.814	2.687	13.3	20.3

485431 2011 QZ_{49} 4 16.5 283.°71 3.°8/23.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	13 55.22	−32 40.8	4.414	5.111	8.6	20.4
3 22	13 51.68	−32 38.0	4.302	5.101	7.3	20.2
4 1	13 47.13	−32 23.1	4.213	5.090	5.9	20.1
4 11	13 41.92	−31 56.2	4.149	5.080	4.6	20.0
4 21	13 36.45	−31 18.0	4.113	5.069	3.9	20.0
5 1	13 31.16	−30 30.6	4.106	5.059	4.1	20.0
5 11	13 26.46	−29 36.6	4.127	5.049	5.2	20.0
5 21	13 22.68	−28 39.3	4.174	5.038	6.6	20.1

205584 2001 TU_{139} 4 16.5 208.°24 4.°0/11.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	13 59.79	+ 0 6.0	2.486	3.327	10.5	21.0
3 22	13 55.52	+ 1 13.8	2.407	3.323	8.0	20.8
4 1	13 49.71	+ 2 24.0	2.355	3.319	5.4	20.6
4 11	13 42.88	+ 3 31.4	2.331	3.314	4.0	20.5
4 21	13 35.68	+ 4 30.6	2.336	3.310	5.1	20.6
5 1	13 28.82	+ 5 17.0	2.369	3.304	7.7	20.7
5 11	13 22.93	+ 5 47.5	2.427	3.299	10.3	20.9
5 21	13 18.48	+ 6 1.2	2.508	3.293	12.7	21.0

164621 1992 SC_{4} 4 16.5 134.°15 0.°5/16.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 6.76	−11 17.0	1.843	2.667	14.4	21.3
3 22	14 1.20	−10 49.8	1.772	2.679	10.9	21.1
4 1	13 53.44	−10 11.5	1.725	2.691	6.8	20.8
4 11	13 44.24	− 9 25.8	1.704	2.702	2.4	20.6
4 21	13 34.59	− 8 37.7	1.712	2.713	2.3	20.6
5 1	13 25.55	− 7 53.0	1.748	2.723	6.6	20.9
5 11	13 18.03	− 7 17.1	1.810	2.733	10.6	21.1
5 21	13 12.62	− 6 53.4	1.894	2.742	14.0	21.4

504226 2006 UM_{132} 4 16.5 129.°92 2.°0/19.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 0.07	−21 1.7	2.724	3.505	11.4	21.3
3 22	13 55.62	−20 26.3	2.641	3.516	9.0	21.1
4 1	13 49.70	−19 36.7	2.582	3.527	6.2	21.0
4 11	13 42.86	−18 34.9	2.551	3.538	3.3	20.8
4 21	13 35.73	−17 24.4	2.549	3.548	2.1	20.7
5 1	13 28.98	−16 10.1	2.577	3.558	4.4	20.9
5 11	13 23.23	−14 57.3	2.633	3.567	7.2	21.1
5 21	13 18.89	−13 50.5	2.716	3.576	9.8	21.3

38922 2000 SF_{221} 4 16.5 273.°21 5.°5/12.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 4.85	+ 0 2.2	1.534	2.389	15.2	19.0
3 22	14 0.42	+ 1 1.9	1.450	2.373	11.6	18.7
4 1	13 53.34	+ 2 6.0	1.389	2.356	7.9	18.4
4 11	13 44.33	+ 3 6.7	1.352	2.339	5.6	18.2
4 21	13 34.46	+ 3 55.6	1.341	2.322	7.1	18.3
5 1	13 25.02	+ 4 25.4	1.356	2.305	11.0	18.5
5 11	13 17.18	+ 4 31.9	1.393	2.288	15.1	18.7
5 21	13 11.76	+ 4 14.6	1.449	2.270	18.8	18.8

255656 2006 QG_{27} 4 16.5 144.°28 2.°1/14.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 3.69	− 7 54.3	1.867	2.704	13.7	21.0
3 22	13 58.87	− 6 56.4	1.796	2.712	10.2	20.8
4 1	13 51.97	− 5 48.8	1.749	2.719	6.3	20.6
4 11	13 43.72	− 4 37.3	1.729	2.726	2.6	20.3
4 21	13 35.04	− 3 28.5	1.737	2.733	3.6	20.4
5 1	13 26.90	− 2 28.9	1.773	2.739	7.5	20.7
5 11	13 20.18	− 1 43.7	1.834	2.744	11.2	20.9
5 21	13 15.42	− 1 15.7	1.918	2.749	14.4	21.1

31290 1998 FG_{63} 4 16.5 350°.85 1°.0/15.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 0.07	− 9 32.8	2.155	2.987	12.3	18.5
3 22	13 55.99	− 9 0.7	2.074	2.986	9.2	18.3
4 1	13 50.12	− 8 19.8	2.017	2.985	5.7	18.1
4 11	13 43.06	− 7 33.8	1.986	2.985	2.0	17.8
4 21	13 35.56	− 6 47.3	1.984	2.984	2.4	17.8
5 1	13 28.45	− 6 5.1	2.010	2.984	6.1	18.1
5 11	13 22.47	− 5 31.7	2.063	2.983	9.6	18.3
5 21	13 18.17	− 5 10.2	2.138	2.983	12.7	18.5

392684 2011 VP_{8} 4 16.5 110°.95 6°.1/ 9.9 18

3 12	14 1.85	+ 9 2.9	2.452	3.290	10.8	21.0
3 22	13 57.01	+ 9 52.6	2.390	3.293	8.6	20.9
4 1	13 50.60	+10 37.2	2.352	3.296	6.7	20.8
4 11	13 43.20	+11 11.4	2.342	3.300	6.1	20.7
4 21	13 35.49	+11 31.0	2.359	3.303	7.1	20.8
5 1	13 28.20	+11 33.3	2.402	3.306	9.1	20.9
5 11	13 21.98	+11 17.6	2.470	3.309	11.3	21.1
5 21	13 17.28	+10 44.9	2.559	3.312	13.3	21.2

62504 2000 SZ_{233} 4 16.5 188°.80 0°.8/15.8 17

3 12	14 3.96	− 8 9.6	2.651	3.469	10.7	19.8
3 22	13 58.59	− 8 4.4	2.563	3.468	8.0	19.6
4 1	13 51.62	− 7 54.0	2.501	3.467	5.0	19.4
4 11	13 43.59	− 7 40.6	2.468	3.466	1.8	19.2
4 21	13 35.16	− 7 26.9	2.464	3.464	1.9	19.2
5 1	13 27.04	− 7 15.7	2.490	3.462	5.2	19.4
5 11	13 19.90	− 7 9.9	2.545	3.460	8.2	19.6
5 21	13 14.23	− 7 11.3	2.623	3.458	10.9	19.8

118893 2000 UU_{46} 4 16.5 214°.03 0°.7/17.1 18

3 12	14 2.80	−14 39.4	2.090	2.905	13.3	20.6
3 22	13 58.20	−14 16.1	2.001	2.901	10.2	20.4
4 1	13 51.60	−13 39.8	1.935	2.896	6.6	20.1
4 11	13 43.63	−12 53.2	1.895	2.891	2.6	19.9
4 21	13 35.12	−12 0.2	1.884	2.886	1.8	19.8
5 1	13 26.99	−11 6.4	1.901	2.881	5.8	20.1
5 11	13 20.10	−10 17.4	1.945	2.875	9.6	20.3
5 21	13 15.03	− 9 37.8	2.012	2.869	12.9	20.5

381542 2008 SO_{307} 4 16.5 145°.39 0°.1/16.4 17

3 12	14 4.96	−10 35.4	2.014	2.838	13.3	20.8
3 22	13 59.82	−10 32.5	1.933	2.839	10.1	20.5
4 1	13 52.60	−10 21.1	1.875	2.841	6.4	20.3
4 11	13 43.99	−10 3.4	1.844	2.842	2.3	20.1
4 21	13 34.85	− 9 43.0	1.842	2.844	2.0	20.0
5 1	13 26.14	− 9 23.9	1.868	2.845	6.1	20.3
5 11	13 18.75	− 9 10.2	1.920	2.846	9.9	20.5
5 21	13 13.28	− 9 5.0	1.995	2.847	13.2	20.7

83875 2001 UA_{95} 4 16.5 253°.98 0°.4/16.9 17

3 12	14 1.17	−13 23.3	2.270	3.088	12.3	20.1
3 22	13 56.81	−13 6.4	2.182	3.084	9.4	19.9
4 1	13 50.65	−12 38.8	2.117	3.080	6.0	19.6
4 11	13 43.28	−12 3.2	2.080	3.077	2.3	19.4
4 21	13 35.43	−11 22.8	2.070	3.073	1.6	19.3
5 1	13 27.93	−10 42.3	2.090	3.069	5.4	19.6
5 11	13 21.53	−10 6.4	2.136	3.065	8.9	19.8
5 21	13 16.77	− 9 38.6	2.206	3.061	12.0	20.0

275581 1999 TF_{262} 4 16.5 281°.71 1°.2/17.4 17

3 12	14 3.87	−14 35.6	1.928	2.746	14.1	21.3
3 22	13 59.35	−14 35.4	1.827	2.728	11.0	21.1
4 1	13 52.54	−14 22.8	1.748	2.709	7.2	20.8
4 11	13 44.05	−13 59.3	1.695	2.690	3.1	20.5
4 21	13 34.75	−13 27.8	1.669	2.672	2.0	20.4
5 1	13 25.71	−12 53.0	1.671	2.653	6.2	20.6
5 11	13 17.95	−12 20.5	1.700	2.634	10.4	20.8
5 21	13 12.22	−11 55.3	1.750	2.615	14.1	21.0

488696 2003 WZ_{192} 4 16.5 87°.11 3°.4/20.3 18

3 12	14 1.65	−24 18.2	2.127	2.904	14.3	21.1
3 22	13 57.23	−23 52.2	2.052	2.920	11.5	20.9
4 1	13 50.89	−23 6.7	2.000	2.936	8.2	20.7
4 11	13 43.34	−22 3.2	1.973	2.952	5.0	20.5
4 21	13 35.44	−20 46.0	1.973	2.968	3.4	20.5
5 1	13 28.08	−19 21.2	2.002	2.983	5.4	20.6
5 11	13 22.05	−17 56.2	2.059	2.998	8.5	20.8
5 21	13 17.86	−16 37.5	2.140	3.014	11.6	21.1

490476 2009 SK_{345} 4 16.5 184°.79 0°.1/16.4 17

3 12	14 4.04	−12 11.8	2.198	3.015	12.6	22.6
3 22	13 58.98	−11 46.1	2.112	3.015	9.6	22.4
4 1	13 52.01	−11 9.8	2.051	3.015	6.0	22.1
4 11	13 43.77	−10 25.9	2.017	3.014	2.2	21.9
4 21	13 35.05	− 9 38.6	2.011	3.013	1.8	21.8
5 1	13 26.73	− 8 52.7	2.035	3.011	5.8	22.1
5 11	13 19.60	− 8 13.2	2.085	3.009	9.4	22.3
5 21	13 14.24	− 7 43.7	2.160	3.006	12.5	22.5

192872 1999 XK_{25} 4 16.5 172°.40 4°.4/12.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 5.20	+ 2 44.1	2.384	3.218	11.2	20.3
3 22	13 59.59	+ 3 21.0	2.311	3.221	8.6	20.1
4 1	13 52.26	+ 3 57.1	2.264	3.223	5.9	20.0
4 11	13 43.83	+ 4 27.6	2.244	3.225	4.4	19.9
4 21	13 35.03	+ 4 48.3	2.253	3.226	5.4	19.9
5 1	13 26.65	+ 4 56.0	2.291	3.227	7.9	20.1
5 11	13 19.41	+ 4 49.1	2.355	3.228	10.6	20.3
5 21	13 13.80	+ 4 27.6	2.441	3.228	13.0	20.4

332551 2008 RA 4 16.5 223°.69 1°.1/17.7 18

3 12	14 1.86	−17 33.1	2.455	3.252	12.0	21.7
3 22	13 57.26	−16 49.7	2.352	3.242	9.3	21.5
4 1	13 50.91	−15 51.6	2.274	3.230	6.2	21.3
4 11	13 43.38	−14 41.2	2.224	3.218	2.7	21.1
4 21	13 35.36	−13 22.5	2.203	3.205	1.6	21.0
5 1	13 27.65	−12 1.4	2.212	3.192	5.1	21.2
5 11	13 20.98	−10 44.0	2.250	3.178	8.5	21.4
5 21	13 15.88	− 9 35.5	2.312	3.163	11.6	21.5

434004 2000 SM_{374} 4 16.5 259°.41 2°.4/14.2 17

3 12	14 2.94	− 3 27.9	2.328	3.163	11.4	21.3
3 22	13 58.04	− 3 7.6	2.243	3.156	8.6	21.1
4 1	13 51.39	− 2 44.1	2.182	3.150	5.4	20.9
4 11	13 43.55	− 2 21.1	2.149	3.144	2.7	20.7
4 21	13 35.24	− 2 2.1	2.145	3.137	3.5	20.8
5 1	13 27.28	− 1 50.8	2.169	3.131	6.6	21.0
5 11	13 20.39	− 1 49.8	2.220	3.124	9.8	21.1
5 21	13 15.11	− 2 0.5	2.294	3.118	12.6	21.3

31196 Yulong 4 16.5 59°.99 0°.3/16.3 18

3 12	14 3.24	−12 5.8	1.592	2.429	15.7	18.7
3 22	13 58.82	−11 35.8	1.531	2.444	11.8	18.5
4 1	13 52.06	−10 52.6	1.491	2.460	7.4	18.3
4 11	13 43.79	−10 0.6	1.477	2.475	2.6	18.0
4 21	13 35.09	− 9 5.9	1.489	2.491	2.3	18.0
5 1	13 27.08	− 8 15.2	1.528	2.507	7.0	18.3
5 11	13 20.72	− 7 34.8	1.592	2.523	11.2	18.6
5 21	13 16.58	− 7 8.3	1.677	2.539	14.8	18.9

57357 2001 QZ_{296} 4 16.5 167°.80 0°.4/16.1 17

3 12	14 2.76	−12 11.5	1.926	2.752	13.8	19.3
3 22	13 58.23	−11 31.8	1.846	2.754	10.4	19.1
4 1	13 51.63	−10 39.5	1.789	2.756	6.5	18.9
4 11	13 43.65	− 9 38.7	1.759	2.758	2.3	18.6
4 21	13 35.17	− 8 34.7	1.758	2.759	2.2	18.6
5 1	13 27.17	− 7 34.1	1.784	2.760	6.4	18.9
5 11	13 20.51	− 6 42.7	1.836	2.761	10.4	19.1
5 21	13 15.79	− 6 4.6	1.911	2.761	13.7	19.3

247781 2003 RQ_{4} 4 16.5 190°.22 1°.4/17.8 18

3 12	14 4.47	−17 16.0	1.837	2.648	15.0	20.8
3 22	13 59.72	−16 45.8	1.751	2.647	11.6	20.5
4 1	13 52.67	−15 58.2	1.688	2.646	7.7	20.3
4 11	13 44.05	−14 55.8	1.650	2.644	3.4	20.0
4 21	13 34.83	−13 43.6	1.640	2.642	2.1	19.9
5 1	13 26.09	−12 28.7	1.658	2.639	6.3	20.2
5 11	13 18.82	−11 18.7	1.702	2.636	10.4	20.4
5 21	13 13.68	−10 19.9	1.770	2.632	14.1	20.6

324996 2008 BW_{15} 4 16.5 67°.92 4°.9/20.3 18

3 12	14 7.23	−23 41.1	1.501	2.297	18.5	21.3
3 22	14 2.12	−23 57.6	1.442	2.319	14.8	21.1
4 1	13 54.25	−23 50.9	1.403	2.342	10.8	21.0
4 11	13 44.60	−23 21.0	1.387	2.365	6.8	20.8
4 21	13 34.45	−22 31.4	1.396	2.388	4.9	20.7
5 1	13 25.16	−21 29.2	1.431	2.411	7.2	20.9
5 11	13 17.86	−20 23.6	1.491	2.434	10.9	21.2
5 21	13 13.19	−19 22.9	1.573	2.456	14.4	21.4

285603 2000 QF_{165} 4 16.5 200°.55 2°.5/12.9 18

3 12	13 59.11	− 3 16.9	3.164	3.994	8.8	21.6
3 22	13 54.72	− 2 15.7	3.077	3.989	6.6	21.4
4 1	13 49.10	− 1 10.6	3.017	3.983	4.2	21.3
4 11	13 42.68	− 0 5.5	2.987	3.977	2.5	21.2
4 21	13 35.97	+ 0 55.5	2.987	3.971	3.4	21.2
5 1	13 29.50	+ 1 48.6	3.018	3.964	5.7	21.3
5 11	13 23.79	+ 2 30.9	3.075	3.956	8.1	21.5
5 21	13 19.21	+ 3 0.6	3.157	3.948	10.3	21.6

54619 2000 SS_{3} 4 16.5 99°.91 5°.4/10.7 18

3 12	14 0.83	+ 4 59.5	2.306	3.151	11.2	19.1
3 22	13 56.35	+ 5 58.7	2.244	3.156	8.6	18.9
4 1	13 50.24	+ 6 55.7	2.206	3.162	6.4	18.8
4 11	13 43.11	+ 7 44.9	2.196	3.168	5.4	18.8
4 21	13 35.65	+ 8 21.4	2.214	3.173	6.5	18.8
5 1	13 28.62	+ 8 41.5	2.258	3.179	8.8	19.0
5 11	13 22.70	+ 8 43.6	2.326	3.184	11.2	19.1
5 21	13 18.33	+ 8 28.3	2.416	3.189	13.5	19.3

148682 2001 SB_{224} 4 16.5 267°.56 0°.2/16.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 4.67	−11 26.6	1.834	2.661	14.3	21.1
3 22	14 0.02	−11 11.9	1.736	2.644	11.0	20.8
4 1	13 52.99	−10 45.9	1.661	2.627	7.0	20.5
4 11	13 44.23	−10 11.2	1.611	2.609	2.5	20.2
4 21	13 34.66	− 9 32.0	1.590	2.592	2.2	20.1
5 1	13 25.39	− 8 53.9	1.595	2.573	6.9	20.4
5 11	13 17.47	− 8 22.6	1.627	2.555	11.2	20.6
5 21	13 11.66	− 8 2.4	1.681	2.536	15.0	20.8

379951 2012 OY_{3} 4 16.5 266°.27 1°.7/18.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 1.53	−17 47.0	1.931	2.742	14.3	21.1
3 22	13 57.41	−17 25.9	1.845	2.740	11.2	20.9
4 1	13 51.18	−16 48.5	1.782	2.739	7.5	20.7
4 11	13 43.52	−15 57.0	1.744	2.737	3.6	20.4
4 21	13 35.30	−14 55.6	1.734	2.736	2.1	20.3
5 1	13 27.51	−13 50.5	1.751	2.734	5.8	20.6
5 11	13 21.07	−12 48.7	1.795	2.732	9.7	20.8
5 21	13 16.57	−11 55.7	1.862	2.731	13.2	21.0

262678 2006 WR_{153} 4 16.5 105°.08 2°.2/18.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 6.25	−18 30.3	1.953	2.752	14.6	21.4
3 22	14 0.74	−18 20.1	1.886	2.773	11.4	21.2
4 1	13 53.12	−17 54.2	1.841	2.793	7.7	21.0
4 11	13 44.17	−17 14.5	1.822	2.812	3.9	20.8
4 21	13 34.82	−16 25.0	1.831	2.831	2.4	20.7
5 1	13 26.10	−15 31.2	1.868	2.850	5.7	21.0
5 11	13 18.88	−14 39.5	1.933	2.868	9.3	21.2
5 21	13 13.70	−13 54.9	2.021	2.885	12.5	21.5

9843 Braidwood 4 16.5 94°.86 3°.8/13.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 5.32	− 4 40.2	1.406	2.261	16.3	17.7
3 22	14 0.65	− 3 40.9	1.346	2.271	12.2	17.5
4 1	13 53.33	− 2 33.7	1.308	2.280	7.7	17.2
4 11	13 44.29	− 1 26.3	1.295	2.290	4.1	17.0
4 21	13 34.72	− 0 27.1	1.308	2.299	5.4	17.1
5 1	13 25.92	+ 0 16.3	1.346	2.308	9.7	17.4
5 11	13 18.97	+ 0 39.4	1.407	2.317	13.9	17.7
5 21	13 14.52	+ 0 41.0	1.488	2.326	17.5	17.9

466627 2014 WU_{6} 4 16.5 76°.48 4°.4/11.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 4.26	− 5 17.7	1.740	2.584	14.2	21.3
3 22	13 59.08	− 2 59.2	1.700	2.619	10.4	21.1
4 1	13 51.94	− 0 33.9	1.685	2.654	6.6	21.0
4 11	13 43.68	+ 1 47.4	1.700	2.689	4.4	20.9
4 21	13 35.28	+ 3 54.2	1.744	2.722	6.0	21.1
5 1	13 27.68	+ 5 38.4	1.816	2.756	9.3	21.3
5 11	13 21.65	+ 6 55.6	1.914	2.788	12.6	21.6
5 21	13 17.61	+ 7 45.6	2.032	2.820	15.2	21.8

341640 2007 VS_{31} 4 16.5 115°.92 2°.5/19.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 1.28	−21 10.3	2.339	3.126	12.9	21.5
3 22	13 56.83	−20 51.4	2.258	3.135	10.2	21.3
4 1	13 50.62	−20 16.9	2.199	3.144	7.1	21.1
4 11	13 43.28	−19 28.3	2.167	3.153	4.0	20.9
4 21	13 35.55	−18 29.0	2.163	3.161	2.6	20.9
5 1	13 28.25	−17 24.1	2.188	3.170	5.0	21.0
5 11	13 22.11	−16 19.4	2.241	3.178	8.1	21.2
5 21	13 17.63	−15 20.2	2.318	3.186	11.0	21.4

227469 2005 WQ_{142} 4 16.5 121°.04 0°.1/16.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 3.22	−12 54.9	1.873	2.699	14.1	21.6
3 22	13 58.62	−12 26.8	1.797	2.704	10.7	21.4
4 1	13 51.89	−11 46.1	1.745	2.710	6.8	21.2
4 11	13 43.77	−10 56.3	1.718	2.716	2.5	20.9
4 21	13 35.15	−10 2.3	1.719	2.721	2.0	20.9
5 1	13 27.05	− 9 10.3	1.748	2.726	6.3	21.2
5 11	13 20.35	− 8 25.9	1.802	2.731	10.3	21.4
5 21	13 15.64	− 7 53.3	1.880	2.736	13.7	21.6

477090 2009 BN_{123} 4 16.5 290°.38 4°.3/20.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 2.71	−24 0.5	2.182	2.957	14.1	21.3
3 22	13 58.23	−24 17.0	2.090	2.954	11.5	21.2
4 1	13 51.70	−24 16.8	2.020	2.951	8.5	21.0
4 11	13 43.73	−23 59.5	1.975	2.948	5.6	20.8
4 21	13 35.16	−23 26.6	1.957	2.946	4.3	20.7
5 1	13 26.94	−22 42.1	1.966	2.943	5.9	20.8
5 11	13 19.97	−21 51.7	2.002	2.940	8.9	20.9
5 21	13 14.86	−21 1.5	2.062	2.937	11.9	21.1

240760 2005 LF_{19} 4 16.5 54°.67 4°.9/11.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 0.48	+ 1 40.3	2.075	2.924	12.0	20.4
3 22	13 56.29	+ 2 43.6	2.009	2.927	9.1	20.3
4 1	13 50.31	+ 3 47.8	1.967	2.930	6.4	20.1
4 11	13 43.17	+ 4 46.4	1.952	2.933	4.9	20.0
4 21	13 35.65	+ 5 33.8	1.965	2.937	6.1	20.1
5 1	13 28.59	+ 6 5.2	2.004	2.940	8.8	20.2
5 11	13 22.71	+ 6 18.2	2.068	2.943	11.7	20.4
5 21	13 18.53	+ 6 12.5	2.152	2.947	14.3	20.6

173869 2001 TV_{216} 4 16.5 175°.52 2°.5/19.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 0.85	−21 19.5	2.484	3.268	12.3	20.6
3 22	13 56.47	−20 59.0	2.394	3.269	9.8	20.4
4 1	13 50.40	−20 23.4	2.326	3.270	6.8	20.2
4 11	13 43.21	−19 34.0	2.286	3.270	3.9	20.0
4 21	13 35.61	−18 34.0	2.273	3.271	2.5	19.9
5 1	13 28.37	−17 28.1	2.290	3.271	4.8	20.1
5 11	13 22.20	−16 21.8	2.335	3.271	7.9	20.3
5 21	13 17.60	−15 20.4	2.405	3.271	10.7	20.5

385412 2003 AQ_{16} 4 16.5 80°.10 7°.1/25.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 4.27	−35 17.1	2.344	3.047	15.1	20.4
3 22	13 59.29	−35 38.3	2.270	3.067	13.0	20.3
4 1	13 52.25	−35 37.0	2.216	3.088	10.7	20.2
4 11	13 43.88	−35 11.9	2.184	3.108	8.6	20.0
4 21	13 35.09	−34 23.9	2.178	3.128	7.2	20.0
5 1	13 26.86	−33 17.0	2.198	3.147	7.4	20.0
5 11	13 20.04	−31 58.1	2.245	3.167	8.9	20.2
5 21	13 15.19	−30 34.5	2.317	3.186	10.9	20.3

165760 2001 QA_{228} 4 16.5 89°.26 3°.6/20.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 1.74	−23 56.8	2.229	3.005	13.8	19.5
3 22	13 57.30	−23 49.8	2.150	3.016	11.1	19.3
4 1	13 50.97	−23 25.3	2.093	3.027	8.1	19.2
4 11	13 43.42	−22 44.0	2.061	3.038	5.1	19.0
4 21	13 35.46	−21 48.9	2.057	3.049	3.6	18.9
5 1	13 27.96	−20 44.9	2.081	3.060	5.4	19.1
5 11	13 21.72	−19 38.4	2.132	3.070	8.3	19.3
5 21	13 17.25	−18 35.3	2.207	3.081	11.2	19.5

188028 2001 UT_{112} 4 16.5 142°.89 2°.3/14.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 5.29	− 4 17.9	2.507	3.332	11.0	20.5
3 22	13 59.52	− 3 38.9	2.438	3.347	8.2	20.3
4 1	13 52.16	− 2 56.1	2.395	3.361	5.1	20.2
4 11	13 43.81	− 2 13.3	2.381	3.375	2.6	20.0
4 21	13 35.17	− 1 34.6	2.396	3.387	3.4	20.1
5 1	13 26.98	− 1 4.0	2.441	3.399	6.3	20.3
5 11	13 19.90	− 0 44.1	2.514	3.409	9.2	20.5
5 21	13 14.38	− 0 36.4	2.610	3.419	11.7	20.7

28581 2000 ER_{105} 4 16.5 78°.18 5°.5/12.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 7.13	− 0 35.1	1.301	2.161	17.1	18.6
3 22	14 2.10	+ 0 23.3	1.249	2.175	12.9	18.4
4 1	13 54.26	+ 1 24.4	1.219	2.189	8.5	18.2
4 11	13 44.63	+ 2 19.3	1.213	2.203	5.6	18.1
4 21	13 34.54	+ 2 59.8	1.232	2.217	7.1	18.2
5 1	13 25.36	+ 3 19.7	1.276	2.231	11.0	18.5
5 11	13 18.21	+ 3 16.5	1.342	2.244	15.0	18.7
5 21	13 13.74	+ 2 51.2	1.427	2.258	18.5	19.0

130905 2000 VO_{39} 4 16.5 301°.28 3°.7/18.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 2.62	−19 43.9	1.375	2.199	18.4	19.5
3 22	13 59.44	−19 52.7	1.276	2.176	14.8	19.2
4 1	13 53.16	−19 40.0	1.197	2.152	10.4	18.9
4 11	13 44.46	−19 4.8	1.140	2.129	5.8	18.6
4 21	13 34.49	−18 9.9	1.107	2.106	3.9	18.4
5 1	13 24.77	−17 1.9	1.098	2.084	8.0	18.6
5 11	13 16.82	−15 51.3	1.113	2.061	13.1	18.8
5 21	13 11.69	−14 48.1	1.148	2.040	18.0	19.0

39764 1997 FK_{3} 4 16.5 175°.79 2°.0/14.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 0.85	− 8 5.1	2.225	3.058	11.9	19.6
3 22	13 56.51	− 6 59.4	2.146	3.059	8.9	19.4
4 1	13 50.44	− 5 44.7	2.091	3.061	5.5	19.2
4 11	13 43.23	− 4 25.9	2.065	3.061	2.4	19.0
4 21	13 35.63	− 3 9.1	2.067	3.062	3.3	19.0
5 1	13 28.43	− 2 0.4	2.099	3.062	6.7	19.2
5 11	13 22.36	− 1 4.6	2.157	3.062	10.0	19.4
5 21	13 17.91	− 0 24.7	2.238	3.061	12.9	19.6

40532 1999 RY_{100} 4 16.5 94°.77 3°.0/18.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 5.95	−19 19.9	1.956	2.753	14.7	19.4
3 22	14 0.68	−19 35.3	1.881	2.764	11.6	19.2
4 1	13 53.21	−19 35.7	1.828	2.775	8.1	19.0
4 11	13 44.26	−19 21.7	1.800	2.787	4.5	18.8
4 21	13 34.80	−18 55.5	1.800	2.798	3.1	18.7
5 1	13 25.85	−18 21.6	1.828	2.808	5.9	18.9
5 11	13 18.37	−17 45.7	1.882	2.819	9.4	19.1
5 21	13 12.95	−17 13.1	1.960	2.830	12.6	19.4

470141 2006 UT_{60} 4 16.5 240°.63 2°.2/19.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 2.49	−20 9.0	3.023	3.798	10.5	22.3
3 22	13 57.53	−20 2.5	2.908	3.779	8.4	22.1
4 1	13 51.04	−19 44.3	2.817	3.759	5.9	21.9
4 11	13 43.47	−19 15.2	2.754	3.739	3.3	21.7
4 21	13 35.41	−18 36.9	2.721	3.718	2.3	21.6
5 1	13 27.52	−17 52.5	2.718	3.696	4.3	21.7
5 11	13 20.46	−17 6.2	2.743	3.674	7.1	21.8
5 21	13 14.71	−16 22.0	2.795	3.651	9.7	22.0

425411 2010 CA_{154} 4 16.5 106.°60 3.°0/13.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 1.05	− 4 27.4	2.083	2.925	12.3	21.6
3 22	13 56.70	− 3 29.6	2.014	2.932	9.1	21.4
4 1	13 50.56	− 2 26.1	1.970	2.940	5.8	21.2
4 11	13 43.28	− 1 22.6	1.954	2.947	3.1	21.0
4 21	13 35.62	− 0 24.7	1.965	2.954	4.2	21.1
5 1	13 28.43	+ 0 22.2	2.005	2.962	7.4	21.3
5 11	13 22.46	+ 0 54.3	2.069	2.969	10.6	21.5
5 21	13 18.18	+ 1 10.0	2.156	2.975	13.5	21.7

361106 2006 DW_{123} 4 16.5 145.°02 1.°5/17.7 18

3 12	14 8.04	−16 12.3	1.741	2.552	15.6	21.9
3 22	14 2.45	−16 1.0	1.666	2.562	12.1	21.7
4 1	13 54.40	−15 34.0	1.613	2.571	8.0	21.5
4 11	13 44.71	−14 53.6	1.585	2.580	3.5	21.2
4 21	13 34.46	−14 4.1	1.585	2.587	2.2	21.1
5 1	13 24.82	−13 11.7	1.614	2.595	6.4	21.4
5 11	13 16.82	−12 23.2	1.668	2.601	10.6	21.7
5 21	13 11.14	−11 44.2	1.745	2.607	14.3	21.9

424788 2008 TK_{167} 4 16.5 272.°17 2.°6/14.2 17

3 12	14 2.35	− 5 5.7	1.939	2.781	13.0	21.3
3 22	13 57.93	− 4 27.6	1.860	2.778	9.8	21.1
4 1	13 51.48	− 3 43.2	1.804	2.774	6.2	20.9
4 11	13 43.65	− 2 57.6	1.774	2.770	3.0	20.7
4 21	13 35.30	− 2 15.9	1.773	2.766	3.9	20.7
5 1	13 27.38	− 1 43.5	1.799	2.763	7.5	20.9
5 11	13 20.74	− 1 24.3	1.849	2.759	11.2	21.1
5 21	13 15.98	− 1 20.3	1.922	2.755	14.4	21.3

424930 2008 YA_{20} 4 16.5 122.°78 5.°0/11.3 17 R

3 12	14 1.59	+ 3 3.9	2.238	3.082	11.5	21.1
3 22	13 56.97	+ 4 4.6	2.175	3.089	8.8	20.9
4 1	13 50.67	+ 5 4.6	2.137	3.096	6.2	20.8
4 11	13 43.31	+ 5 58.2	2.126	3.103	5.0	20.7
4 21	13 35.61	+ 6 40.1	2.143	3.110	6.1	20.8
5 1	13 28.37	+ 7 6.3	2.187	3.116	8.6	21.0
5 11	13 22.26	+ 7 14.9	2.256	3.122	11.2	21.1
5 21	13 17.77	+ 7 5.9	2.346	3.128	13.6	21.3

381524 2008 SY_{222} 4 16.5 160.°41 2.°6/19.1 17

3 12	14 5.03	−19 52.4	2.368	3.152	12.8	22.0
3 22	13 59.69	−19 57.7	2.281	3.157	10.1	21.8
4 1	13 52.47	−19 49.4	2.218	3.162	7.1	21.7
4 11	13 44.00	−19 28.3	2.181	3.166	4.0	21.5
4 21	13 35.04	−18 56.6	2.173	3.170	2.7	21.4
5 1	13 26.47	−18 18.0	2.194	3.174	5.1	21.5
5 11	13 19.08	−17 37.6	2.243	3.177	8.3	21.7
5 21	13 13.43	−17 0.1	2.317	3.179	11.2	21.9

141240 2001 XQ_{252} 4 16.5 105.°99 0.°3/16.2 18

3 12	14 1.13	−11 24.6	2.528	3.346	11.1	20.8
3 22	13 56.47	−10 55.4	2.456	3.360	8.4	20.7
4 1	13 50.30	−10 17.9	2.410	3.375	5.2	20.5
4 11	13 43.17	− 9 35.1	2.391	3.389	1.8	20.3
4 21	13 35.76	− 8 50.6	2.402	3.403	1.7	20.3
5 1	13 28.75	− 8 8.7	2.442	3.417	5.0	20.5
5 11	13 22.78	− 7 33.1	2.509	3.431	8.1	20.7
5 21	13 18.27	− 7 6.6	2.601	3.444	10.8	20.9

403878 2011 WH_{72} 4 16.5 159.°00 1.°4/15.5 18

3 12	14 8.07	− 8 21.0	1.823	2.652	14.3	21.4
3 22	14 2.31	− 7 56.8	1.748	2.658	10.8	21.2
4 1	13 54.25	− 7 23.9	1.696	2.664	6.7	21.0
4 11	13 44.66	− 6 46.3	1.672	2.669	2.5	20.7
4 21	13 34.54	− 6 9.1	1.675	2.674	2.9	20.8
5 1	13 24.98	− 5 37.5	1.706	2.678	7.1	21.0
5 11	13 16.95	− 5 16.1	1.764	2.681	11.1	21.3
5 21	13 11.08	− 5 7.6	1.844	2.684	14.6	21.5

213898 2003 UU_{16} 4 16.5 199.°11 0.°7/15.9 16

3 12	14 5.09	−11 9.4	1.983	2.806	13.5	21.2
3 22	14 0.01	−10 31.1	1.896	2.803	10.3	21.0
4 1	13 52.81	− 9 41.0	1.833	2.799	6.4	20.7
4 11	13 44.16	− 8 43.2	1.796	2.795	2.3	20.5
4 21	13 34.93	− 7 42.7	1.789	2.789	2.4	20.5
5 1	13 26.13	− 6 45.8	1.809	2.783	6.6	20.7
5 11	13 18.65	− 5 58.3	1.857	2.777	10.5	20.9
5 21	13 13.13	− 5 23.9	1.927	2.770	13.9	21.1

177045 2003 DP_{24} 4 16.5 63.°14 2.°8/13.6 18

3 12	14 0.13	− 4 15.8	2.160	3.002	11.9	20.3
3 22	13 55.97	− 3 26.6	2.092	3.010	8.8	20.1
4 1	13 50.09	− 2 32.6	2.049	3.018	5.6	19.9
4 11	13 43.13	− 1 38.8	2.033	3.027	3.0	19.8
4 21	13 35.82	− 0 50.2	2.045	3.036	4.0	19.8
5 1	13 28.96	− 0 11.7	2.086	3.044	7.1	20.0
5 11	13 23.24	+ 0 13.4	2.151	3.053	10.2	20.2
5 21	13 19.15	+ 0 23.6	2.239	3.062	12.9	20.4

17782 1998 FD_{26} 4 16.5 94.°33 2.°2/18.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 6.70	−17 41.5	1.928	2.730	14.7	17.9
3 22	14 1.15	−17 43.9	1.861	2.750	11.4	17.7
4 1	13 53.44	−17 31.7	1.817	2.770	7.7	17.6
4 11	13 44.35	−17 6.4	1.798	2.789	3.9	17.4
4 21	13 34.85	−16 31.3	1.807	2.808	2.5	17.3
5 1	13 25.96	−15 51.4	1.845	2.826	5.7	17.5
5 11	13 18.58	−15 12.4	1.909	2.844	9.4	17.8
5 21	13 13.28	−14 39.4	1.997	2.862	12.6	18.0

106081 2000 SU_{348} 4 16.5 156.°43 4.°4/11.2 18

3 12	14 0.51	+ 3 12.2	2.626	3.465	10.1	20.3
3 22	13 55.97	+ 4 8.3	2.558	3.469	7.7	20.2
4 1	13 49.98	+ 5 3.8	2.515	3.473	5.5	20.1
4 11	13 43.07	+ 5 53.8	2.501	3.477	4.4	20.0
4 21	13 35.87	+ 6 33.9	2.515	3.481	5.4	20.1
5 1	13 29.02	+ 7 0.7	2.558	3.484	7.6	20.2
5 11	13 23.13	+ 7 12.2	2.625	3.487	10.0	20.4
5 21	13 18.62	+ 7 8.2	2.715	3.490	12.1	20.5

181205 2005 SR_{171} 4 16.5 90.°71 1.°6/18.2 18

3 12	14 0.88	−17 15.9	2.409	3.211	12.1	20.8
3 22	13 56.51	−17 6.6	2.325	3.215	9.4	20.6
4 1	13 50.45	−16 45.1	2.265	3.219	6.3	20.4
4 11	13 43.28	−16 13.2	2.231	3.223	3.1	20.2
4 21	13 35.69	−15 33.7	2.226	3.227	1.9	20.1
5 1	13 28.47	−14 50.9	2.250	3.231	4.8	20.3
5 11	13 22.32	−14 9.3	2.300	3.235	8.0	20.5
5 21	13 17.74	−13 33.2	2.376	3.239	10.9	20.7

126895 2002 EF_{105} 4 16.5 292.°77 1.°9/17.8 18

3 12	14 7.18	−14 32.4	1.814	2.629	14.9	19.5
3 22	14 2.03	−15 0.8	1.719	2.617	11.7	19.3
4 1	13 54.34	−15 18.6	1.647	2.605	7.8	19.0
4 11	13 44.80	−15 26.1	1.600	2.594	3.7	18.7
4 21	13 34.39	−15 24.7	1.581	2.582	2.4	18.6
5 1	13 24.27	−15 17.9	1.589	2.571	6.5	18.9
5 11	13 15.60	−15 10.4	1.624	2.559	10.7	19.1
5 21	13 9.17	−15 6.6	1.681	2.548	14.5	19.3

16877 1998 BW_{6} 4 16.5 32.°91 0.°1/16.5 18

3 12	14 1.15	−11 52.7	1.924	2.754	13.6	18.1
3 22	13 57.02	−11 34.0	1.851	2.761	10.3	17.9
4 1	13 50.89	−11 4.6	1.801	2.768	6.5	17.7
4 11	13 43.45	−10 27.7	1.777	2.775	2.3	17.4
4 21	13 35.56	− 9 47.7	1.781	2.783	1.9	17.4
5 1	13 28.16	− 9 9.7	1.812	2.791	6.1	17.7
5 11	13 22.07	− 8 38.6	1.869	2.799	9.8	17.9
5 21	13 17.86	− 8 18.0	1.948	2.808	13.1	18.2

156915 2003 FK_{36} 4 16.5 74.°91 1.°9/17.9 17

3 12	14 6.89	−15 29.4	1.724	2.540	15.6	20.6
3 22	14 1.64	−15 45.3	1.650	2.549	12.1	20.3
4 1	13 53.95	−15 48.0	1.599	2.557	8.0	20.1
4 11	13 44.60	−15 38.5	1.573	2.566	3.8	19.9
4 21	13 34.64	−15 19.6	1.573	2.575	2.4	19.8
5 1	13 25.26	−14 56.0	1.601	2.583	6.4	20.1
5 11	13 17.49	−14 33.2	1.655	2.592	10.4	20.3
5 21	13 12.02	−14 16.0	1.731	2.601	14.0	20.6

76996 2001 BN_{77} 4 16.5 309.°75 1.°0/15.9 18

3 12	14 5.95	− 8 24.8	1.468	2.313	16.3	18.7
3 22	14 1.45	− 8 23.4	1.384	2.303	12.4	18.5
4 1	13 54.13	− 8 13.1	1.322	2.293	7.9	18.2
4 11	13 44.76	− 7 57.3	1.285	2.283	2.8	17.8
4 21	13 34.47	− 7 40.4	1.273	2.274	3.0	17.8
5 1	13 24.64	− 7 27.9	1.286	2.265	8.1	18.1
5 11	13 16.54	− 7 24.7	1.324	2.256	12.9	18.3
5 21	13 11.01	− 7 34.2	1.382	2.247	17.1	18.6

88270 2001 KB_{78} 4 16.5 312.°50 4.°2/13.2 18

3 12	14 3.09	− 2 28.5	1.612	2.466	14.7	19.6
3 22	13 58.87	− 1 37.9	1.539	2.462	11.1	19.4
4 1	13 52.25	− 0 42.1	1.488	2.458	7.2	19.1
4 11	13 44.00	+ 0 12.2	1.462	2.454	4.3	19.0
4 21	13 35.13	+ 0 58.0	1.462	2.450	5.6	19.0
5 1	13 26.79	+ 1 28.9	1.489	2.447	9.4	19.2
5 11	13 19.98	+ 1 41.1	1.539	2.443	13.3	19.4
5 21	13 15.38	+ 1 33.3	1.609	2.440	16.8	19.7

454735 2014 UM_{13} 4 16.5 179.°14 1.°3/18.9 18

3 12	13 54.23	−18 58.8	4.509	5.289	7.2	21.1
3 22	13 50.85	−18 46.7	4.414	5.289	5.7	21.0
4 1	13 46.62	−18 27.3	4.344	5.289	3.9	20.9
4 11	13 41.85	−18 1.7	4.302	5.289	2.1	20.7
4 21	13 36.89	−17 31.4	4.290	5.289	1.4	20.7
5 1	13 32.08	−16 58.4	4.309	5.289	2.8	20.8
5 11	13 27.79	−16 25.0	4.356	5.289	4.6	20.9
5 21	13 24.27	−15 53.4	4.430	5.289	6.3	21.0

9873 1992 *GH* 4 16.5 216°.79 12°.9/21.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 21.76	−30 8.5	1.230	1.992	23.5	16.8
3 22	14 15.40	−32 37.6	1.149	1.988	20.5	16.5
4 1	14 4.19	−34 47.2	1.085	1.984	17.1	16.3
4 11	13 48.81	−36 24.6	1.042	1.979	14.2	16.1
4 21	13 30.98	−37 19.2	1.021	1.974	12.9	16.0
5 1	13 13.32	−37 28.1	1.023	1.968	14.2	16.0
5 11	12 58.49	−37 0.1	1.047	1.962	17.2	16.2
5 21	12 48.18	−36 10.4	1.089	1.955	20.7	16.4

501963 2014 YJ_{16} 4 16.5 133°.30 10°.6/27.8 17

3 12	14 9.46	−42 21.1	2.136	2.789	17.6	21.1
3 22	14 3.94	−43 19.7	2.053	2.798	15.9	21.0
4 1	13 55.61	−43 51.9	1.987	2.806	13.9	20.8
4 11	13 45.27	−43 53.2	1.941	2.814	12.1	20.7
4 21	13 34.11	−43 21.6	1.918	2.822	10.8	20.6
5 1	13 23.50	−42 19.7	1.918	2.829	10.6	20.6
5 11	13 14.71	−40 54.5	1.942	2.836	11.5	20.7
5 21	13 8.52	−39 15.7	1.990	2.842	13.2	20.8

82739 2001 *QU* 4 16.5 271°.88 0°.1/16.7 17

3 12	14 1.00	−12 58.8	2.155	2.977	12.7	20.2
3 22	13 56.85	−12 33.5	2.063	2.968	9.7	20.0
4 1	13 50.81	−11 56.8	1.995	2.959	6.2	19.7
4 11	13 43.47	−11 11.4	1.953	2.950	2.3	19.5
4 21	13 35.59	−10 21.5	1.939	2.941	1.8	19.4
5 1	13 28.04	− 9 32.3	1.954	2.932	5.7	19.6
5 11	13 21.62	− 8 48.9	1.995	2.923	9.4	19.9
5 21	13 16.93	− 8 15.4	2.060	2.914	12.7	20.0

480185 2015 FT_{332} 4 16.5 84°.08 18°.4/11.3 16

3 12	14 26.82	+26 13.8	1.004	1.823	24.0	20.3
3 22	14 17.60	+27 9.7	0.973	1.837	21.3	20.2
4 1	14 4.11	+27 29.5	0.957	1.852	19.2	20.1
4 11	13 48.17	+26 58.8	0.960	1.866	18.4	20.1
4 21	13 32.07	+25 32.6	0.983	1.881	19.1	20.2
5 1	13 18.06	+23 15.9	1.026	1.895	21.1	20.4
5 11	13 7.61	+20 22.0	1.087	1.909	23.5	20.6
5 21	13 1.25	+17 5.8	1.164	1.922	25.9	20.8

171269 2006 DX_{189} 4 16.5 262°.91 1°.4/17.6 16

3 12	14 5.35	−15 52.8	1.629	2.450	16.1	21.1
3 22	14 0.95	−15 39.2	1.530	2.432	12.6	20.8
4 1	13 53.83	−15 8.6	1.453	2.414	8.4	20.5
4 11	13 44.69	−14 22.4	1.400	2.395	3.7	20.2
4 21	13 34.56	−13 25.0	1.374	2.376	2.3	20.0
5 1	13 24.74	−12 23.2	1.375	2.357	7.1	20.3
5 11	13 16.47	−11 25.2	1.400	2.337	12.0	20.5
5 21	13 10.63	−10 38.0	1.448	2.317	16.3	20.7

489288 2006 SN_{199} 4 16.5 206°.25 1°.5/17.9 17

3 12	14 3.69	−15 41.5	2.389	3.191	12.2	22.2
3 22	13 58.70	−15 47.5	2.298	3.189	9.5	22.1
4 1	13 51.89	−15 42.9	2.232	3.187	6.3	21.8
4 11	13 43.85	−15 29.1	2.192	3.185	3.0	21.6
4 21	13 35.30	−15 8.2	2.182	3.183	1.9	21.5
5 1	13 27.08	−14 43.8	2.200	3.181	5.0	21.7
5 11	13 19.94	−14 19.8	2.246	3.178	8.3	21.9
5 21	13 14.46	−14 0.1	2.316	3.175	11.3	22.1

501294 2013 WZ_{59} 4 16.5 163°.87 1°.6/14.8 17

3 12	14 2.77	− 7 23.9	2.437	3.263	11.2	22.8
3 22	13 57.81	− 6 41.4	2.358	3.268	8.4	22.6
4 1	13 51.21	− 5 52.2	2.305	3.273	5.2	22.4
4 11	13 43.57	− 5 0.2	2.281	3.278	2.1	22.2
4 21	13 35.56	− 4 9.8	2.285	3.281	2.8	22.3
5 1	13 27.94	− 3 25.6	2.319	3.285	6.0	22.5
5 11	13 21.39	− 2 51.4	2.380	3.287	9.1	22.7
5 21	13 16.38	− 2 29.4	2.465	3.289	11.8	22.9

131906 2002 BA_{10} 4 16.5 144°.78 1°.5/15.3 18

3 12	14 7.22	− 8 48.1	1.837	2.666	14.2	20.1
3 22	14 1.61	− 8 8.2	1.767	2.678	10.7	19.8
4 1	13 53.78	− 7 18.8	1.720	2.688	6.6	19.6
4 11	13 44.52	− 6 24.5	1.700	2.698	2.5	19.4
4 21	13 34.81	− 5 31.0	1.709	2.707	3.0	19.4
5 1	13 25.69	− 4 44.3	1.745	2.716	7.2	19.7
5 11	13 18.10	− 4 9.6	1.808	2.723	11.0	19.9
5 21	13 12.61	− 3 49.4	1.893	2.730	14.4	20.2

352824 2008 UA_{331} 4 16.5 340°.34 2°.4/17.8 18

3 12	14 4.89	−14 39.7	1.127	1.976	19.9	20.3
3 22	14 1.46	−15 10.2	1.052	1.968	15.6	20.0
4 1	13 54.55	−15 24.4	0.995	1.961	10.5	19.7
4 11	13 45.03	−15 22.8	0.960	1.955	4.9	19.4
4 21	13 34.31	−15 8.2	0.947	1.950	3.2	19.2
5 1	13 24.16	−14 46.5	0.958	1.945	8.6	19.5
5 11	13 16.23	−14 26.0	0.991	1.941	14.2	19.8
5 21	13 11.53	−14 13.8	1.042	1.938	19.0	20.1

347004 2010 DF_2 4 16.5 183°.67 2°.7/19.0 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 3.26	−19 54.2	2.048	2.844	14.1	21.0
3 22	13 58.68	−19 50.3	1.961	2.845	11.2	20.8
4 1	13 52.02	−19 30.3	1.896	2.845	7.8	20.6
4 11	13 43.92	−18 55.5	1.857	2.844	4.3	20.4
4 21	13 35.26	−18 8.7	1.845	2.844	2.8	20.3
5 1	13 27.02	−17 14.9	1.862	2.844	5.6	20.5
5 11	13 20.08	−16 20.6	1.905	2.843	9.2	20.7
5 21	13 15.07	−15 31.4	1.972	2.842	12.5	20.9

303294 2004 SR_8 4 16.5 271°.03 0°.4/16.8 16

3 12	14 6.49	−12 37.8	1.503	2.337	16.6	21.3
3 22	14 1.99	−12 31.0	1.409	2.320	12.9	21.0
4 1	13 54.59	−12 10.2	1.336	2.302	8.3	20.7
4 11	13 45.00	−11 37.5	1.287	2.284	3.2	20.4
4 21	13 34.32	−10 57.5	1.264	2.266	2.4	20.2
5 1	13 23.98	−10 16.6	1.267	2.248	7.8	20.5
5 11	13 15.30	− 9 42.1	1.294	2.230	12.9	20.8
5 21	13 9.24	− 9 19.8	1.343	2.211	17.4	21.0

502100 2015 AE_{263} 4 16.5 105°.93 4°.2/12.4 17

3 12	14 3.18	− 0 45.6	2.038	2.881	12.5	21.8
3 22	13 58.26	+ 0 19.6	1.980	2.897	9.3	21.6
4 1	13 51.53	+ 1 27.0	1.948	2.914	6.2	21.5
4 11	13 43.67	+ 2 30.4	1.943	2.930	4.2	21.4
4 21	13 35.52	+ 3 23.8	1.966	2.945	5.4	21.5
5 1	13 27.93	+ 4 2.4	2.017	2.961	8.3	21.7
5 11	13 21.63	+ 4 23.6	2.093	2.976	11.3	21.9
5 21	13 17.10	+ 4 26.9	2.190	2.990	13.9	22.1

91415 1999 NH_{54} 4 16.5 209°.04 2°.2/19.0 18

3 12	14 2.60	−20 45.8	2.499	3.281	12.3	20.3
3 22	13 57.85	−20 18.7	2.399	3.274	9.7	20.1
4 1	13 51.35	−19 36.0	2.322	3.267	6.8	19.9
4 11	13 43.66	−18 39.2	2.273	3.260	3.7	19.7
4 21	13 35.49	−17 31.7	2.252	3.251	2.3	19.6
5 1	13 27.64	−16 18.4	2.262	3.242	4.9	19.7
5 11	13 20.85	−15 5.3	2.299	3.233	8.1	19.9
5 21	13 15.66	−13 57.8	2.362	3.223	11.1	20.1

83018 2001 QP_{173} 4 16.5 106°.10 0°.1/16.7 18

3 12	13 59.79	−14 14.0	2.179	2.998	12.6	20.0
3 22	13 55.83	−13 29.1	2.097	3.001	9.6	19.8
4 1	13 50.09	−12 31.2	2.039	3.003	6.1	19.6
4 11	13 43.20	−11 23.9	2.008	3.006	2.3	19.4
4 21	13 35.89	−10 12.2	2.006	3.008	1.7	19.3
5 1	13 28.98	− 9 2.2	2.032	3.010	5.6	19.6
5 11	13 23.23	− 7 59.7	2.085	3.013	9.1	19.8
5 21	13 19.13	− 7 8.8	2.162	3.015	12.2	20.0

70533 1999 TD_{121} 4 16.5 93°.29 1°.6/15.1 18

3 12	14 3.06	−10 20.4	1.574	2.416	15.6	18.9
3 22	13 58.79	− 9 19.4	1.508	2.426	11.7	18.6
4 1	13 52.15	− 8 4.9	1.465	2.435	7.2	18.4
4 11	13 43.96	− 6 43.2	1.447	2.445	2.6	18.1
4 21	13 35.30	− 5 22.3	1.456	2.455	3.4	18.2
5 1	13 27.29	− 4 10.4	1.492	2.465	7.9	18.5
5 11	13 20.92	− 3 14.4	1.553	2.474	12.1	18.8
5 21	13 16.78	− 2 37.7	1.634	2.483	15.7	19.0

61238 2000 OF_{17} 4 16.5 267°.95 6°.6/11.3 17 R

3 12	14 4.40	+ 1 50.4	1.508	2.366	15.3	19.3
3 22	14 0.14	+ 3 7.2	1.430	2.352	11.8	19.1
4 1	13 53.23	+ 4 27.4	1.374	2.338	8.4	18.8
4 11	13 44.44	+ 5 41.7	1.343	2.324	6.6	18.7
4 21	13 34.85	+ 6 40.9	1.337	2.310	8.2	18.7
5 1	13 25.72	+ 7 17.2	1.356	2.295	11.9	18.9
5 11	13 18.23	+ 7 26.8	1.397	2.281	15.8	19.1
5 21	13 13.14	+ 7 9.8	1.457	2.266	19.3	19.3

286332 2001 XC_{12} 4 16.5 79°.46 3°.0/14.5 18

3 12	14 10.13	− 2 41.3	1.766	2.602	14.4	20.6
3 22	14 3.64	− 2 28.1	1.714	2.627	10.8	20.4
4 1	13 54.94	− 2 12.5	1.685	2.652	6.8	20.3
4 11	13 44.91	− 1 58.9	1.683	2.678	3.4	20.1
4 21	13 34.59	− 1 51.4	1.710	2.702	4.2	20.2
5 1	13 25.07	− 1 53.3	1.764	2.727	7.8	20.5
5 11	13 17.23	− 2 6.9	1.844	2.751	11.3	20.7
5 21	13 11.59	− 2 32.4	1.946	2.775	14.4	21.0

466612 2014 VZ_5 4 16.5 123°.65 1°.9/15.2 17

3 12	14 7.21	− 6 47.9	1.739	2.575	14.6	21.6
3 22	14 1.74	− 6 27.4	1.669	2.584	11.0	21.4
4 1	13 53.94	− 5 59.9	1.623	2.592	6.8	21.1
4 11	13 44.62	− 5 29.5	1.602	2.600	2.7	20.9
4 21	13 34.77	− 5 1.2	1.609	2.607	3.3	20.9
5 1	13 25.54	− 4 39.9	1.644	2.614	7.5	21.2
5 11	13 17.87	− 4 29.7	1.704	2.621	11.4	21.5
5 21	13 12.41	− 4 32.6	1.785	2.628	14.9	21.7

246652 2008 YU_{28} 4 16.5 287°.43 0°.6/17.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 1.58	−13 58.2	2.041	2.861	13.3	21.4
3 22	13 57.40	−13 40.0	1.952	2.855	10.2	21.2
4 1	13 51.21	−13 9.5	1.886	2.849	6.6	21.0
4 11	13 43.66	−12 29.4	1.847	2.843	2.6	20.7
4 21	13 35.54	−11 43.4	1.835	2.838	1.8	20.6
5 1	13 27.78	−10 56.8	1.851	2.832	5.8	20.9
5 11	13 21.25	−10 15.1	1.894	2.826	9.6	21.1
5 21	13 16.54	− 9 42.7	1.960	2.820	13.0	21.3

490458 2009 SL_{262} 4 16.5 189°.33 1°.4/17.9 17

3 12	14 3.65	−17 14.9	2.152	2.955	13.3	22.4
3 22	13 58.84	−16 50.8	2.063	2.954	10.4	22.2
4 1	13 52.06	−16 12.0	1.997	2.953	6.9	22.0
4 11	13 43.95	−15 20.8	1.958	2.951	3.2	21.7
4 21	13 35.32	−14 21.0	1.947	2.949	1.9	21.6
5 1	13 27.09	−13 18.1	1.966	2.947	5.5	21.9
5 11	13 20.10	−12 18.4	2.011	2.943	9.1	22.1
5 21	13 14.93	−11 27.0	2.080	2.940	12.4	22.3

229983 1999 WU_{23} 4 16.5 358°.36 2°.1/15.1 17

3 12	14 2.21	− 6 31.0	1.564	2.415	15.2	20.2
3 22	13 58.30	− 6 11.5	1.491	2.413	11.4	20.0
4 1	13 51.96	− 5 44.5	1.440	2.412	7.1	19.7
4 11	13 43.96	− 5 14.6	1.413	2.411	2.9	19.5
4 21	13 35.32	− 4 47.2	1.412	2.411	3.6	19.5
5 1	13 27.21	− 4 27.9	1.438	2.411	8.0	19.8
5 11	13 20.67	− 4 21.0	1.487	2.412	12.2	20.0
5 21	13 16.38	− 4 28.8	1.557	2.414	15.9	20.2

264951 2002 WB_{29} 4 16.5 185°.42 0°.1/16.5 17

3 12	14 5.36	−11 58.8	1.836	2.661	14.4	21.4
3 22	14 0.40	−11 42.3	1.754	2.661	11.0	21.1
4 1	13 53.17	−11 14.3	1.696	2.661	7.0	20.9
4 11	13 44.39	−10 37.8	1.663	2.661	2.5	20.6
4 21	13 35.00	− 9 57.1	1.658	2.660	2.1	20.6
5 1	13 26.09	− 9 17.8	1.680	2.659	6.5	20.8
5 11	13 18.61	− 8 45.3	1.729	2.657	10.6	21.1
5 21	13 13.24	− 8 23.8	1.800	2.656	14.2	21.3

318636 2005 LB_{13} 4 16.5 356°.40 0°.4/16.9 17

3 12	13 59.02	−16 3.8	1.363	2.206	17.5	20.1
3 22	13 56.27	−15 8.5	1.288	2.203	13.4	19.8
4 1	13 50.85	−13 50.4	1.234	2.202	8.6	19.6
4 11	13 43.59	−12 14.6	1.203	2.200	3.3	19.2
4 21	13 35.64	−10 29.9	1.197	2.200	2.3	19.2
5 1	13 28.30	− 8 47.5	1.217	2.200	7.8	19.5
5 11	13 22.70	− 7 18.2	1.261	2.201	12.7	19.8
5 21	13 19.57	− 6 9.3	1.325	2.202	17.0	20.0

202470 2006 AS_{31} 4 16.5 160°.80 1°.4/17.5 18

3 12	14 9.02	−14 56.9	1.609	2.427	16.4	20.6
3 22	14 3.49	−14 58.7	1.531	2.432	12.7	20.4
4 1	13 55.27	−14 45.9	1.475	2.435	8.3	20.2
4 11	13 45.18	−14 20.1	1.444	2.439	3.6	19.9
4 21	13 34.37	−13 45.3	1.440	2.442	2.3	19.8
5 1	13 24.14	−13 7.0	1.463	2.444	6.9	20.1
5 11	13 15.67	−12 32.2	1.511	2.446	11.4	20.3
5 21	13 9.71	−12 6.1	1.582	2.448	15.3	20.6

296502 2009 JM_{16} 4 16.6 233°.01 2°.5/13.6 16

3 12	14 0.36	− 3 10.6	2.756	3.589	9.9	21.6
3 22	13 55.93	− 2 30.9	2.667	3.580	7.4	21.4
4 1	13 50.04	− 1 47.6	2.603	3.570	4.7	21.2
4 11	13 43.20	− 1 4.5	2.567	3.560	2.7	21.1
4 21	13 35.96	− 0 25.5	2.561	3.549	3.5	21.1
5 1	13 28.99	+ 0 5.8	2.584	3.539	6.1	21.3
5 11	13 22.88	+ 0 26.4	2.634	3.528	8.9	21.4
5 21	13 18.09	+ 0 35.0	2.707	3.516	11.3	21.6

269027 2007 FP_{4} 4 16.6 232°.02 0°.2/16.7 17

3 12	14 2.59	−13 18.5	1.835	2.661	14.3	21.0
3 22	13 58.32	−12 51.7	1.753	2.661	10.9	20.7
4 1	13 51.86	−12 11.5	1.694	2.660	7.0	20.5
4 11	13 43.91	−11 21.2	1.661	2.659	2.6	20.2
4 21	13 35.40	−10 25.9	1.655	2.658	2.0	20.2
5 1	13 27.34	− 9 31.7	1.677	2.657	6.4	20.4
5 11	13 20.68	− 8 44.9	1.724	2.656	10.5	20.7
5 21	13 16.03	− 8 9.9	1.794	2.655	14.0	20.9

154581 2003 JX_{3} 4 16.6 314°.41 6°.9/20.8 17

3 12	14 6.00	−25 14.3	1.636	2.421	17.6	19.0
3 22	14 1.75	−26 17.1	1.540	2.405	14.8	18.8
4 1	13 54.55	−27 1.7	1.463	2.390	11.5	18.5
4 11	13 45.07	−27 24.5	1.408	2.375	8.3	18.3
4 21	13 34.38	−27 23.9	1.379	2.360	6.9	18.2
5 1	13 23.91	−27 2.2	1.374	2.346	8.5	18.2
5 11	13 15.09	−26 26.0	1.394	2.332	11.9	18.4
5 21	13 8.91	−25 43.8	1.435	2.319	15.5	18.6

374549 2006 BF_{109} 4 16.6 172°.66 2°.7/18.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 4.54	−19 4.8	2.011	2.809	14.3	21.4
3 22	13 59.70	−19 9.7	1.925	2.810	11.3	21.2
4 1	13 52.71	−18 59.5	1.861	2.811	7.8	20.9
4 11	13 44.22	−18 35.0	1.823	2.811	4.3	20.7
4 21	13 35.15	−17 59.0	1.813	2.812	2.8	20.6
5 1	13 26.50	−17 16.0	1.831	2.812	5.8	20.8
5 11	13 19.19	−16 32.0	1.875	2.812	9.4	21.0
5 21	13 13.87	−15 52.5	1.942	2.812	12.7	21.2

266303 2007 CK_{5} 4 16.6 104°.00 0°.8/17.3 18

3 12	14 5.82	−14 34.2	1.895	2.710	14.4	21.4
3 22	14 0.52	−14 18.4	1.827	2.727	11.0	21.2
4 1	13 53.10	−13 49.6	1.782	2.744	7.1	21.0
4 11	13 44.32	−13 10.5	1.764	2.760	2.9	20.7
4 21	13 35.12	−12 25.5	1.773	2.775	1.8	20.7
5 1	13 26.53	−11 40.1	1.811	2.791	5.9	21.0
5 11	13 19.42	−10 59.9	1.875	2.806	9.8	21.2
5 21	13 14.34	−10 29.1	1.962	2.821	13.1	21.5

234134 2000 CO_{142} 4 16.6 122°.93 0°.5/17.0 17

3 12	14 2.43	−13 54.0	2.095	2.912	13.1	21.7
3 22	13 57.91	−13 33.9	2.014	2.916	10.0	21.5
4 1	13 51.46	−13 2.0	1.958	2.920	6.4	21.3
4 11	13 43.74	−12 21.0	1.928	2.924	2.5	21.0
4 21	13 35.56	−11 35.0	1.926	2.928	1.7	21.0
5 1	13 27.81	−10 48.9	1.952	2.932	5.6	21.2
5 11	13 21.30	−10 8.0	2.005	2.935	9.3	21.5
5 21	13 16.58	− 9 36.3	2.081	2.939	12.5	21.7

364197 2006 QD_{21} 4 16.6 278°.28 2°.2/14.9 17

3 12	14 4.75	− 7 23.3	1.617	2.460	15.1	21.5
3 22	14 0.46	− 6 47.2	1.519	2.438	11.5	21.3
4 1	13 53.53	− 6 0.3	1.445	2.415	7.3	20.9
4 11	13 44.63	− 5 7.5	1.395	2.392	3.0	20.6
4 21	13 34.77	− 4 15.1	1.372	2.369	3.9	20.6
5 1	13 25.19	− 3 30.4	1.375	2.346	8.6	20.8
5 11	13 17.08	− 2 59.8	1.402	2.322	13.3	21.0
5 21	13 11.31	− 2 47.0	1.450	2.298	17.4	21.2

269052 2007 GU_{18} 4 16.6 39°.67 1°.8/15.5 18

3 12	14 8.86	− 5 6.9	1.593	2.434	15.5	20.0
3 22	14 3.20	− 5 17.8	1.526	2.442	11.7	19.8
4 1	13 54.97	− 5 24.7	1.481	2.450	7.3	19.5
4 11	13 45.05	− 5 30.8	1.462	2.459	2.9	19.3
4 21	13 34.54	− 5 39.3	1.469	2.468	3.3	19.3
5 1	13 24.70	− 5 53.7	1.504	2.478	7.7	19.6
5 11	13 16.59	− 6 16.5	1.564	2.488	11.9	19.9
5 21	13 10.90	− 6 49.1	1.646	2.498	15.5	20.1

36083 1999 RV_{81} 4 16.6 199°.92 0°.3/16.9 18

3 12	13 59.97	−13 49.1	2.881	3.688	10.2	19.6
3 22	13 55.60	−13 21.8	2.788	3.685	7.8	19.4
4 1	13 49.82	−12 45.2	2.721	3.681	5.0	19.2
4 11	13 43.12	−12 1.8	2.681	3.678	1.9	19.0
4 21	13 36.06	−11 14.5	2.671	3.674	1.3	18.9
5 1	13 29.28	−10 27.2	2.691	3.669	4.4	19.2
5 11	13 23.34	− 9 43.7	2.740	3.665	7.3	19.3
5 21	13 18.70	− 9 7.4	2.813	3.660	9.9	19.5

371035 2005 UR_{149} 4 16.6 156°.07 0°.1/16.5 17

3 12	14 5.12	−12 14.1	2.334	3.145	12.1	22.6
3 22	13 59.69	−11 51.4	2.254	3.154	9.2	22.4
4 1	13 52.47	−11 19.0	2.198	3.161	5.8	22.2
4 11	13 44.09	−10 39.6	2.171	3.168	2.1	21.9
4 21	13 35.31	− 9 57.1	2.173	3.175	1.7	21.9
5 1	13 26.95	− 9 15.9	2.204	3.181	5.4	22.2
5 11	13 19.76	− 8 40.4	2.263	3.186	8.8	22.4
5 21	13 14.26	− 8 13.8	2.347	3.190	11.7	22.6

267414 2002 AB_{203} 4 16.6 353°.46 10°.7/ 7.1 17

3 12	13 56.89	+ 9 24.8	1.278	2.155	16.2	19.8
3 22	13 54.68	+11 19.4	1.224	2.148	13.2	19.6
4 1	13 49.84	+13 7.9	1.192	2.142	11.1	19.4
4 11	13 43.23	+14 37.1	1.181	2.137	10.9	19.4
4 21	13 35.99	+15 36.0	1.193	2.134	12.7	19.5
5 1	13 29.39	+15 58.1	1.226	2.132	15.7	19.6
5 11	13 24.52	+15 42.9	1.277	2.131	18.8	19.8
5 21	13 22.06	+14 54.1	1.343	2.132	21.6	20.0

284602 2007 TJ_{418} 4 16.6 226°.34 0°.3/16.9 17

3 12	14 2.14	−13 9.8	2.236	3.053	12.4	22.0
3 22	13 57.64	−12 51.7	2.148	3.050	9.5	21.8
4 1	13 51.29	−12 22.9	2.083	3.046	6.1	21.6
4 11	13 43.70	−11 46.0	2.045	3.042	2.3	21.3
4 21	13 35.61	−11 4.5	2.035	3.037	1.7	21.3
5 1	13 27.86	−10 23.0	2.054	3.033	5.5	21.5
5 11	13 21.24	− 9 46.4	2.100	3.028	9.0	21.7
5 21	13 16.30	− 9 18.4	2.170	3.024	12.2	21.9

55000 2001 QL_{18} 4 16.6 203°.87 0°.9/15.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 4.29	−10 7.2	2.123	2.947	12.8	20.4
3 22	13 59.33	− 9 33.1	2.035	2.943	9.6	20.2
4 1	13 52.39	− 8 49.0	1.971	2.938	6.0	20.0
4 11	13 44.11	− 7 58.8	1.935	2.933	2.1	19.7
4 21	13 35.30	− 7 7.0	1.927	2.927	2.4	19.7
5 1	13 26.87	− 6 19.0	1.948	2.921	6.3	20.0
5 11	13 19.65	− 5 39.9	1.995	2.914	10.0	20.2
5 21	13 14.24	− 5 12.9	2.066	2.906	13.2	20.4

281648 2008 UK_{340} 4 16.6 245°.99 1°.8/18.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 2.53	−17 25.7	2.112	2.917	13.5	21.2
3 22	13 58.12	−17 15.5	2.019	2.911	10.5	21.0
4 1	13 51.70	−16 51.1	1.950	2.904	7.1	20.8
4 11	13 43.88	−16 14.1	1.906	2.898	3.5	20.5
4 21	13 35.48	−15 27.8	1.890	2.891	2.1	20.4
5 1	13 27.43	−14 37.0	1.902	2.884	5.5	20.6
5 11	13 20.59	−13 47.7	1.942	2.877	9.2	20.9
5 21	13 15.58	−13 4.9	2.004	2.870	12.5	21.0

194137 2001 SF_{315} 4 16.6 53°.97 2°.1/17.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 25.12	− 9 8.7	1.158	1.984	21.0	19.2
3 22	14 16.31	−10 51.2	1.104	2.009	16.1	19.0
4 1	14 3.58	−12 28.0	1.072	2.034	10.4	18.8
4 11	13 48.22	−13 55.3	1.064	2.060	4.4	18.5
4 21	13 32.13	−15 9.8	1.084	2.086	3.2	18.5
5 1	13 17.38	−16 11.5	1.132	2.112	8.6	18.9
5 11	13 5.61	−17 4.0	1.204	2.138	13.7	19.2
5 21	12 57.64	−17 51.7	1.297	2.164	17.9	19.6

351464 2005 NG_{35} 4 16.6 211°.61 0°.7/15.7 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 0.82	− 9 32.7	2.982	3.798	9.7	22.3
3 22	13 56.19	− 9 3.6	2.887	3.791	7.3	22.1
4 1	13 50.19	− 8 27.8	2.818	3.784	4.5	21.9
4 11	13 43.27	− 7 48.0	2.778	3.775	1.6	21.7
4 21	13 35.99	− 7 7.4	2.767	3.767	1.8	21.7
5 1	13 28.95	− 6 29.4	2.787	3.758	4.8	21.9
5 11	13 22.72	− 5 57.3	2.834	3.748	7.6	22.1
5 21	13 17.74	− 5 33.6	2.907	3.738	10.1	22.2

417735 2007 CN_{53} 4 16.6 12°.13 9°.4/21.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 6.43	−27 28.6	1.308	2.100	20.9	19.6
3 22	14 2.54	−29 7.0	1.239	2.103	17.7	19.4
4 1	13 55.22	−30 22.4	1.188	2.108	14.2	19.2
4 11	13 45.33	−31 8.7	1.158	2.114	11.0	19.0
4 21	13 34.29	−31 23.1	1.149	2.121	9.4	19.0
5 1	13 23.85	−31 8.4	1.164	2.130	10.5	19.0
5 11	13 15.63	−30 33.0	1.201	2.139	13.4	19.2
5 21	13 10.63	−29 47.7	1.257	2.150	16.7	19.5

307985 2004 QX_{21} 4 16.6 229°.58 3°.3/19.0 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 7.65	−20 13.1	1.776	2.573	16.0	22.0
3 22	14 2.53	−20 17.3	1.679	2.562	12.8	21.7
4 1	13 54.78	−20 3.3	1.603	2.550	9.0	21.5
4 11	13 45.09	−19 31.2	1.552	2.538	5.1	21.2
4 21	13 34.49	−18 43.4	1.527	2.525	3.4	21.1
5 1	13 24.25	−17 45.3	1.530	2.512	6.7	21.2
5 11	13 15.54	−16 44.9	1.560	2.498	10.9	21.4
5 21	13 9.20	−15 49.6	1.612	2.483	14.8	21.6

465686 2009 SD_{233} 4 16.6 171°.89 2°.0/14.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 7.30	− 4 36.5	2.480	3.301	11.2	21.6
3 22	14 1.21	− 4 17.1	2.399	3.305	8.4	21.4
4 1	13 53.39	− 3 54.0	2.343	3.309	5.3	21.2
4 11	13 44.44	− 3 30.4	2.316	3.312	2.4	21.0
4 21	13 35.09	− 3 9.8	2.320	3.314	3.0	21.0
5 1	13 26.13	− 2 55.4	2.353	3.315	6.1	21.2
5 11	13 18.29	− 2 50.0	2.414	3.316	9.2	21.4
5 21	13 12.07	− 2 54.9	2.499	3.316	11.9	21.6

459581 2013 GL_{115} 4 16.6 303°.32 1°.9/17.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 2.60	−16 37.2	1.362	2.197	17.9	21.5
3 22	13 59.31	−16 28.8	1.272	2.181	14.1	21.2
4 1	13 53.04	−16 0.4	1.203	2.166	9.5	20.9
4 11	13 44.53	−15 13.5	1.156	2.151	4.4	20.6
4 21	13 34.95	−14 12.8	1.133	2.136	2.6	20.4
5 1	13 25.77	−13 6.3	1.136	2.121	7.8	20.7
5 11	13 18.39	−12 4.0	1.162	2.107	13.0	20.9
5 21	13 13.73	−11 13.9	1.208	2.094	17.7	21.1

427488 2002 AZ_{42} 4 16.6 43°.99 4°.9/12.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 2.01	− 1 7.4	1.594	2.451	14.6	20.5
3 22	13 57.95	− 0 2.0	1.535	2.459	11.0	20.3
4 1	13 51.63	+ 1 7.1	1.498	2.467	7.3	20.1
4 11	13 43.84	+ 2 11.9	1.487	2.476	4.9	19.9
4 21	13 35.61	+ 3 5.1	1.502	2.484	6.3	20.0
5 1	13 28.00	+ 3 40.5	1.543	2.493	9.8	20.3
5 11	13 21.95	+ 3 54.8	1.606	2.503	13.3	20.5
5 21	13 18.03	+ 3 47.8	1.690	2.512	16.5	20.7

200160 1998 YN_{19} 4 16.6 141°.58 0°.3/16.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 8.08	−11 58.5	1.770	2.592	15.0	22.1
3 22	14 2.40	−11 28.8	1.699	2.604	11.3	21.9
4 1	13 54.39	−10 46.6	1.650	2.616	7.1	21.7
4 11	13 44.84	− 9 55.9	1.629	2.626	2.5	21.4
4 21	13 34.81	− 9 1.9	1.635	2.636	2.2	21.4
5 1	13 25.41	− 8 11.2	1.669	2.646	6.8	21.7
5 11	13 17.60	− 7 29.4	1.729	2.654	10.9	22.0
5 21	13 12.01	− 7 0.7	1.812	2.662	14.4	22.2

42497 1992 BZ_{1} 4 16.6 91°.48 0°.9/17.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 3.64	−16 2.4	1.992	2.804	13.9	19.5
3 22	13 58.78	−15 30.8	1.927	2.824	10.7	19.4
4 1	13 51.96	−14 45.1	1.884	2.844	6.9	19.2
4 11	13 43.93	−13 48.4	1.868	2.863	2.9	18.9
4 21	13 35.56	−12 45.7	1.880	2.883	1.7	18.9
5 1	13 27.78	−11 43.0	1.921	2.902	5.6	19.2
5 11	13 21.37	−10 46.4	1.989	2.921	9.3	19.4
5 21	13 16.86	−10 0.3	2.080	2.939	12.4	19.7

106822 2000 XN_{47} 4 16.6 167°.10 1°.2/17.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 3.28	−15 34.6	2.868	3.662	10.6	20.6
3 22	13 58.09	−15 37.0	2.779	3.666	8.2	20.4
4 1	13 51.41	−15 30.5	2.715	3.669	5.4	20.2
4 11	13 43.74	−15 16.4	2.679	3.671	2.5	20.0
4 21	13 35.68	−14 56.4	2.672	3.674	1.6	20.0
5 1	13 27.91	−14 33.7	2.696	3.676	4.3	20.2
5 11	13 21.06	−14 11.4	2.748	3.677	7.1	20.3
5 21	13 15.59	−13 52.7	2.826	3.679	9.7	20.5

377771 2005 YR_{135} 4 16.6 75°.88 1°.1/15.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 3.84	− 9 3.7	1.804	2.640	14.1	21.3
3 22	13 59.21	− 8 39.6	1.730	2.644	10.7	21.1
4 1	13 52.40	− 8 6.4	1.680	2.649	6.6	20.8
4 11	13 44.14	− 7 28.0	1.656	2.654	2.4	20.6
4 21	13 35.36	− 6 49.3	1.659	2.659	2.7	20.6
5 1	13 27.11	− 6 15.7	1.689	2.664	6.9	20.9
5 11	13 20.29	− 5 52.0	1.745	2.669	10.9	21.1
5 21	13 15.50	− 5 41.0	1.823	2.674	14.3	21.3

350271 2012 TE_{197} 4 16.6 235°.20 0°.9/15.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 4.83	− 8 7.0	2.257	3.081	12.1	21.1
3 22	13 59.64	− 8 2.0	2.169	3.077	9.1	20.9
4 1	13 52.56	− 7 51.0	2.105	3.072	5.7	20.7
4 11	13 44.19	− 7 36.5	2.069	3.067	2.1	20.5
4 21	13 35.30	− 7 21.7	2.061	3.062	2.2	20.5
5 1	13 26.75	− 7 9.9	2.083	3.056	5.9	20.7
5 11	13 19.33	− 7 4.6	2.131	3.051	9.4	20.9
5 21	13 13.63	− 7 7.9	2.203	3.045	12.5	21.1

336192 2008 RS_{137} 4 16.6 128°.34 1°.6/18.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 2.52	−17 21.4	2.022	2.830	13.9	21.0
3 22	13 58.10	−17 1.9	1.941	2.834	10.8	20.8
4 1	13 51.65	−16 27.4	1.882	2.838	7.2	20.6
4 11	13 43.86	−15 40.1	1.849	2.842	3.4	20.3
4 21	13 35.58	−14 44.1	1.844	2.846	2.0	20.2
5 1	13 27.75	−13 45.0	1.867	2.849	5.6	20.5
5 11	13 21.23	−12 49.1	1.917	2.853	9.3	20.7
5 21	13 16.58	−12 1.5	1.991	2.856	12.6	20.9

350186 2011 UY_{301} 4 16.6 262°.69 1°.3/15.4 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 5.03	− 6 26.0	2.435	3.258	11.3	20.7
3 22	13 59.72	− 6 22.8	2.337	3.245	8.6	20.5
4 1	13 52.60	− 6 15.1	2.265	3.231	5.4	20.3
4 11	13 44.22	− 6 5.5	2.220	3.217	2.1	20.0
4 21	13 35.28	− 5 56.8	2.205	3.203	2.4	20.0
5 1	13 26.60	− 5 52.1	2.219	3.189	5.9	20.2
5 11	13 18.93	− 5 54.2	2.260	3.175	9.2	20.4
5 21	13 12.86	− 6 4.8	2.326	3.160	12.1	20.6

421655 2014 OR_{356} 4 16.6 252°.06 1°.5/17.6 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 5.42	−16 3.6	1.492	2.318	17.1	22.1
3 22	14 1.14	−15 49.6	1.405	2.309	13.3	21.8
4 1	13 54.02	−15 17.1	1.338	2.300	8.8	21.5
4 11	13 44.85	−14 28.4	1.296	2.291	3.9	21.2
4 21	13 34.76	−13 28.1	1.279	2.281	2.4	21.1
5 1	13 25.13	−12 24.1	1.288	2.272	7.4	21.4
5 11	13 17.24	−11 25.1	1.322	2.262	12.3	21.6
5 21	13 11.92	−10 38.1	1.377	2.251	16.6	21.8

211575 2003 SV_{161} 4 16.6 285°.49 2°.0/15.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 4.26	− 8 12.7	1.495	2.342	15.9	20.7
3 22	14 0.26	− 7 39.7	1.404	2.324	12.2	20.4
4 1	13 53.49	− 6 54.8	1.334	2.305	7.7	20.1
4 11	13 44.68	− 6 2.8	1.288	2.286	3.0	19.8
4 21	13 34.88	− 5 10.4	1.268	2.267	3.7	19.7
5 1	13 25.43	− 4 25.3	1.274	2.248	8.8	20.0
5 11	13 17.58	− 3 54.2	1.304	2.229	13.6	20.2
5 21	13 12.22	− 3 41.3	1.354	2.211	17.9	20.4

2020	α_{2000}	δ_{2000}	Δ	r	β	V
369872 2012 KA_{41}			4 16.6 149°.37		2°.5/14.2 17	
	h m	° ′			°	m
3 12	14 2.63	− 7 16.4	1.910	2.749	13.4	21.5
3 22	13 58.15	− 6 10.4	1.838	2.754	10.0	21.3
4 1	13 51.66	− 4 55.2	1.789	2.759	6.2	21.0
4 11	13 43.86	− 3 36.5	1.768	2.764	2.8	20.8
4 21	13 35.62	− 2 21.4	1.774	2.768	3.9	20.9
5 1	13 27.88	− 1 16.5	1.809	2.772	7.6	21.1
5 11	13 21.48	− 0 27.1	1.869	2.776	11.2	21.4
5 21	13 16.97	+ 0 4.2	1.951	2.779	14.4	21.6
57331 2001 QU_{245}			4 16.6 84°.70		3°.9/11.5 18	
3 12	14 0.09	− 2 40.0	2.293	3.135	11.3	19.4
3 22	13 55.79	− 0 53.3	2.240	3.157	8.4	19.2
4 1	13 49.95	+ 0 57.4	2.213	3.179	5.5	19.1
4 11	13 43.18	+ 2 45.0	2.216	3.201	3.9	19.0
4 21	13 36.19	+ 4 22.6	2.248	3.222	5.2	19.1
5 1	13 29.68	+ 5 44.1	2.309	3.244	7.9	19.3
5 11	13 24.29	+ 6 46.2	2.395	3.265	10.5	19.5
5 21	13 20.40	+ 7 27.7	2.504	3.285	12.9	19.7
148634 2001 SL_{19}			4 16.6 256°.29		1°.5/17.7 17	
3 12	14 5.46	−15 20.7	1.864	2.679	14.6	21.0
3 22	14 0.68	−15 20.4	1.768	2.666	11.4	20.8
4 1	13 53.52	−15 6.7	1.695	2.654	7.6	20.5
4 11	13 44.63	−14 40.9	1.646	2.641	3.4	20.2
4 21	13 34.95	−14 6.2	1.626	2.628	2.1	20.1
5 1	13 25.59	−13 27.4	1.633	2.614	6.3	20.3
5 11	13 17.60	−12 50.7	1.666	2.601	10.5	20.6
5 21	13 11.74	−12 21.4	1.721	2.587	14.3	20.8
423523 2005 UR_{102}			4 16.6 81°.10		1°.9/15.0 17	
3 12	14 4.64	− 7 11.9	1.752	2.592	14.3	21.5
3 22	13 59.77	− 6 40.2	1.688	2.604	10.7	21.3
4 1	13 52.70	− 6 0.7	1.647	2.617	6.6	21.1
4 11	13 44.24	− 5 18.2	1.632	2.630	2.7	20.8
4 21	13 35.35	− 4 38.3	1.645	2.642	3.3	20.9
5 1	13 27.07	− 4 6.3	1.685	2.655	7.3	21.2
5 11	13 20.31	− 3 46.4	1.749	2.667	11.2	21.4
5 21	13 15.62	− 3 40.8	1.836	2.680	14.5	21.7
17643 1996 TJ_{5}			4 16.6 285°.14		3°.4/13.6 18	
3 12	14 3.07	− 4 10.1	1.799	2.645	13.7	18.8
3 22	13 58.92	− 3 20.3	1.700	2.620	10.4	18.5
4 1	13 52.45	− 2 22.6	1.625	2.595	6.7	18.2
4 11	13 44.26	− 1 22.6	1.575	2.569	3.7	18.0
4 21	13 35.24	− 0 27.1	1.553	2.544	4.9	18.0
5 1	13 26.48	+ 0 17.2	1.558	2.518	8.8	18.2
5 11	13 19.00	+ 0 44.8	1.587	2.492	12.9	18.3
5 21	13 13.58	+ 0 53.1	1.636	2.466	16.6	18.5
75428 1999 XM_{123}			4 16.6 127°.60		1°.6/17.9 18	
3 12	14 7.95	−15 55.4	1.830	2.639	15.1	19.6
3 22	14 2.33	−15 55.4	1.756	2.651	11.7	19.4
4 1	13 54.38	−15 41.5	1.705	2.662	7.7	19.1
4 11	13 44.88	−15 15.4	1.679	2.673	3.5	18.9
4 21	13 34.84	−14 40.5	1.681	2.683	2.2	18.8
5 1	13 25.38	−14 2.0	1.711	2.693	6.1	19.1
5 11	13 17.48	−13 25.9	1.768	2.702	10.1	19.3
5 21	13 11.79	−12 57.0	1.848	2.711	13.6	19.6
166620 2002 SG_{7}			4 16.6 167°.41		1°.5/15.0 18	
3 12	14 1.89	− 7 43.4	2.260	3.091	11.8	20.6
3 22	13 57.35	− 7 7.6	2.180	3.092	8.9	20.4
4 1	13 51.07	− 6 24.6	2.125	3.094	5.5	20.2
4 11	13 43.65	− 5 38.3	2.098	3.095	2.2	20.0
4 21	13 35.80	− 4 53.3	2.099	3.096	2.8	20.1
5 1	13 28.35	− 4 14.1	2.129	3.097	6.2	20.3
5 11	13 22.01	− 3 44.7	2.185	3.098	9.5	20.5
5 21	13 17.29	− 3 27.5	2.264	3.099	12.4	20.7
361595 2007 RR_{289}			4 16.6 285°.41		0°.4/16.9 17	
3 12	14 2.56	−14 39.7	1.483	2.319	16.7	21.3
3 22	13 59.04	−14 5.9	1.389	2.301	12.9	21.0
4 1	13 52.76	−13 12.8	1.316	2.283	8.4	20.7
4 11	13 44.43	−12 3.4	1.267	2.264	3.3	20.3
4 21	13 35.13	−10 44.2	1.243	2.246	2.3	20.2
5 1	13 26.18	− 9 24.0	1.246	2.228	7.8	20.5
5 11	13 18.86	− 8 12.6	1.272	2.210	12.9	20.7
5 21	13 14.04	− 7 17.3	1.320	2.192	17.4	20.9
336442 2008 UP_{303}			4 16.6 204°.12		0°.1/16.4 17	
3 12	14 3.23	−11 39.9	2.228	3.047	12.4	21.7
3 22	13 58.46	−11 20.0	2.140	3.045	9.4	21.5
4 1	13 51.84	−10 50.5	2.077	3.042	5.9	21.3
4 11	13 43.96	−10 14.0	2.041	3.039	2.1	21.0
4 21	13 35.57	− 9 34.4	2.033	3.035	1.8	21.0
5 1	13 27.55	− 8 56.2	2.054	3.031	5.7	21.2
5 11	13 20.67	− 8 23.9	2.103	3.027	9.2	21.4
5 21	13 15.50	− 8 1.0	2.174	3.023	12.3	21.6

2020	α_{2000}	δ_{2000}	Δ	r	β	V
224215 2005 SV_{32}			4 16.6 168°.29		1°.5/15.1 17	
	h m	° ′			°	m
3 12	14 3.53	− 8 43.3	2.023	2.854	13.0	21.9
3 22	13 58.78	− 7 59.4	1.945	2.857	9.8	21.7
4 1	13 52.06	− 7 6.2	1.890	2.859	6.1	21.4
4 11	13 44.03	− 6 8.3	1.863	2.861	2.3	21.2
4 21	13 35.54	− 5 11.1	1.865	2.863	2.9	21.2
5 1	13 27.50	− 4 20.3	1.895	2.864	6.7	21.5
5 11	13 20.74	− 3 40.8	1.950	2.865	10.4	21.7
5 21	13 15.82	− 3 15.5	2.029	2.866	13.6	21.9
254673 2005 LT_{42}			4 16.6 359°.01		2°.8/14.3 17	
3 12	13 56.90	− 9 50.4	1.204	2.072	17.6	20.0
3 22	13 54.89	− 8 28.7	1.137	2.069	13.2	19.7
4 1	13 50.11	− 6 48.2	1.091	2.067	8.2	19.4
4 11	13 43.42	− 4 58.2	1.068	2.066	3.4	19.1
4 21	13 36.03	− 3 10.4	1.069	2.067	4.8	19.2
5 1	13 29.29	− 1 37.3	1.095	2.068	10.0	19.5
5 11	13 24.38	− 0 28.2	1.141	2.070	14.9	19.8
5 21	13 22.01	+ 0 12.7	1.207	2.073	19.0	20.1
352121 2007 EP_{182}			4 16.6 314°.03		2°.3/17.8 16	
3 12	14 4.20	−15 4.4	1.186	2.032	19.3	20.7
3 22	14 1.03	−15 25.5	1.099	2.014	15.2	20.4
4 1	13 54.44	−15 29.8	1.031	1.996	10.3	20.0
4 11	13 45.17	−15 17.6	0.984	1.979	4.8	19.7
4 21	13 34.52	−14 51.8	0.960	1.962	3.1	19.5
5 1	13 24.20	−14 18.7	0.960	1.946	8.6	19.7
5 11	13 15.91	−13 47.2	0.981	1.931	14.3	20.0
5 21	13 10.77	−13 25.2	1.021	1.916	19.4	20.2
224407 2005 UC_{316}			4 16.6 252°.68		0°.6/16.0 17	
3 12	14 3.26	−11 40.2	2.014	2.839	13.3	21.3
3 22	13 58.81	−11 0.8	1.915	2.822	10.2	21.0
4 1	13 52.24	−10 8.9	1.838	2.805	6.4	20.8
4 11	13 44.17	− 9 7.9	1.789	2.787	2.3	20.4
4 21	13 35.41	− 8 2.9	1.768	2.769	2.3	20.4
5 1	13 26.94	− 7 0.3	1.775	2.750	6.6	20.6
5 11	13 19.68	− 6 6.3	1.809	2.731	10.6	20.8
5 21	13 14.30	− 5 25.5	1.865	2.712	14.2	21.0
520919 2014 WK_{531}			4 16.6 227°.13		3°.3/19.4 17	
3 12	14 5.10	−20 59.8	1.914	2.707	15.1	21.7
3 22	14 0.38	−21 0.3	1.820	2.700	12.1	21.5
4 1	13 53.31	−20 43.0	1.747	2.693	8.6	21.3
4 11	13 44.57	−20 8.2	1.700	2.685	5.0	21.0
4 21	13 35.10	−19 18.7	1.680	2.677	3.4	20.9
5 1	13 26.00	−18 19.7	1.687	2.668	6.2	21.0
5 11	13 18.31	−17 18.5	1.721	2.660	10.0	21.2
5 21	13 12.75	−16 21.8	1.778	2.651	13.6	21.4
313380 2002 LE_{16}			4 16.6 320°.58		2°.5/15.1 17	
3 12	14 4.47	− 6 14.1	1.338	2.195	16.9	20.0
3 22	14 0.59	− 5 56.0	1.258	2.183	12.8	19.8
4 1	13 53.78	− 5 29.3	1.199	2.172	8.1	19.4
4 11	13 44.82	− 4 59.2	1.163	2.161	3.4	19.1
4 21	13 34.90	− 4 31.9	1.152	2.151	4.2	19.1
5 1	13 25.47	− 4 14.0	1.166	2.141	9.2	19.4
5 11	13 17.87	− 4 10.8	1.203	2.132	14.2	19.6
5 21	13 12.95	− 4 24.9	1.258	2.124	18.5	19.9
429097 2009 SJ_{19}			4 16.6 173°.06		1°.5/15.1 17	
3 12	14 4.73	− 7 41.9	2.289	3.113	11.9	22.5
3 22	13 59.46	− 7 8.3	2.208	3.116	8.9	22.3
4 1	13 52.40	− 6 27.7	2.152	3.119	5.6	22.1
4 11	13 44.16	− 5 43.9	2.124	3.121	2.2	21.9
4 21	13 35.48	− 5 1.0	2.125	3.123	2.7	21.9
5 1	13 27.22	− 4 23.7	2.156	3.124	6.2	22.1
5 11	13 20.10	− 3 55.9	2.213	3.124	9.5	22.3
5 21	13 14.66	− 3 40.0	2.294	3.124	12.4	22.5
406386 2007 SZ_{10}			4 16.6 135°.40		2°.3/18.2 16	
3 12	14 7.83	−17 0.0	1.618	2.432	16.5	21.6
3 22	14 2.64	−17 7.8	1.542	2.437	12.9	21.3
4 1	13 54.79	−16 59.6	1.486	2.443	8.7	21.1
4 11	13 45.11	−16 36.3	1.455	2.447	4.3	20.8
4 21	13 34.72	−16 1.4	1.451	2.452	2.7	20.7
5 1	13 24.92	−15 20.6	1.474	2.456	6.7	21.0
5 11	13 16.84	−14 40.9	1.522	2.460	11.1	21.3
5 21	13 11.23	−14 8.2	1.592	2.464	14.9	21.5
100163 1993 TN_{32}			4 16.6 143°.39		1°.9/14.6 18	
3 12	14 3.63	− 7 56.3	2.096	2.926	12.6	20.5
3 22	13 58.72	− 6 59.9	2.024	2.936	9.4	20.3
4 1	13 51.95	− 5 55.0	1.977	2.946	5.8	20.1
4 11	13 43.98	− 4 46.6	1.958	2.955	2.4	19.9
4 21	13 35.64	− 3 40.6	1.967	2.963	3.2	19.9
5 1	13 27.79	− 2 42.7	2.006	2.971	6.8	20.2
5 11	13 21.19	− 1 57.5	2.070	2.978	10.2	20.4
5 21	13 16.37	− 1 27.8	2.158	2.985	13.2	20.6

106045 2000 SD_{307} 4 16.6 237°.24 2°.7/19.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 2.83	−20 5.1	2.507	3.291	12.2	20.2
3 22	13 58.12	−20 13.7	2.410	3.285	9.7	20.0
4 1	13 51.63	−20 9.6	2.336	3.279	6.8	19.8
4 11	13 43.91	−19 53.3	2.289	3.273	4.0	19.6
4 21	13 35.66	−19 26.6	2.270	3.266	2.8	19.5
5 1	13 27.68	−18 52.7	2.280	3.260	4.9	19.7
5 11	13 20.74	−18 16.3	2.318	3.253	8.0	19.8
5 21	13 15.39	−17 41.7	2.380	3.246	10.8	20.0

463162 2012 BX_{14} 4 16.6 87°.36 3°.3/13.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 5.54	− 5 5.7	1.578	2.425	15.3	21.7
3 22	14 0.56	− 4 7.6	1.524	2.444	11.4	21.5
4 1	13 53.23	− 3 2.6	1.492	2.463	7.1	21.3
4 11	13 44.46	− 1 57.5	1.486	2.481	3.6	21.1
4 21	13 35.31	− 0 59.8	1.507	2.499	4.8	21.2
5 1	13 26.92	− 0 16.0	1.555	2.517	8.7	21.5
5 11	13 20.21	+ 0 9.9	1.627	2.535	12.5	21.7
5 21	13 15.75	+ 0 16.7	1.719	2.552	15.8	22.0

89263 2001 VZ_{1} 4 16.6 150°.56 2°.1/18.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 7.00	−18 39.4	1.794	2.597	15.6	19.4
3 22	14 1.72	−18 19.1	1.716	2.606	12.2	19.2
4 1	13 54.06	−17 40.9	1.660	2.614	8.2	19.0
4 11	13 44.81	−16 46.7	1.630	2.621	4.0	18.7
4 21	13 35.00	−15 41.3	1.627	2.628	2.4	18.6
5 1	13 25.77	−14 31.3	1.652	2.634	6.2	18.9
5 11	13 18.14	−13 24.6	1.703	2.639	10.3	19.1
5 21	13 12.73	−12 27.5	1.778	2.644	13.9	19.4

354802 2005 UB_{525} 4 16.6 230°.82 4°.2/11.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	13 59.18	+ 1 44.1	2.645	3.486	10.0	21.4
3 22	13 55.12	+ 2 51.4	2.565	3.479	7.6	21.2
4 1	13 49.61	+ 4 0.1	2.511	3.471	5.3	21.0
4 11	13 43.14	+ 5 4.9	2.485	3.464	4.2	21.0
4 21	13 36.31	+ 6 1.0	2.489	3.456	5.3	21.0
5 1	13 29.76	+ 6 44.0	2.520	3.448	7.6	21.1
5 11	13 24.10	+ 7 11.4	2.576	3.440	10.1	21.3
5 21	13 19.78	+ 7 22.3	2.655	3.432	12.3	21.4

392997 2012 XM_{118} 4 16.6 86°.32 4°.1/12.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 2.20	+ 1 49.8	2.382	3.221	11.0	21.0
3 22	13 57.44	+ 2 26.3	2.314	3.227	8.4	20.8
4 1	13 51.06	+ 3 2.6	2.271	3.233	5.7	20.7
4 11	13 43.66	+ 3 33.8	2.255	3.238	4.1	20.6
4 21	13 35.92	+ 3 56.1	2.268	3.244	5.1	20.7
5 1	13 28.59	+ 4 6.1	2.309	3.250	7.5	20.8
5 11	13 22.34	+ 4 2.1	2.375	3.255	10.2	21.0
5 21	13 17.62	+ 3 43.9	2.463	3.261	12.6	21.2

455239 2001 SR_{203} 4 16.6 150°.88 1°.3/15.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 7.58	− 9 47.4	1.833	2.659	14.4	22.7
3 22	14 1.96	− 9 4.4	1.760	2.669	10.8	22.4
4 1	13 54.11	− 8 10.6	1.712	2.679	6.7	22.2
4 11	13 44.81	− 7 10.8	1.690	2.688	2.4	22.0
4 21	13 35.02	− 6 10.7	1.697	2.696	2.8	22.0
5 1	13 25.83	− 5 16.9	1.732	2.703	7.1	22.3
5 11	13 18.15	− 4 34.9	1.793	2.709	11.0	22.5
5 21	13 12.60	− 4 7.8	1.876	2.715	14.4	22.7

122916 2000 SY_{172} 4 16.6 25°.60 14°.8/ 4.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 4.72	−50 46.9	1.674	2.297	22.8	18.4
3 22	14 1.48	−51 46.1	1.599	2.303	21.2	18.3
4 1	13 54.61	−52 7.8	1.536	2.310	19.3	18.1
4 11	13 45.15	−51 45.1	1.487	2.317	17.4	18.0
4 21	13 34.72	−50 34.5	1.456	2.325	15.8	17.9
5 1	13 25.24	−48 38.5	1.445	2.334	14.8	17.9
5 11	13 18.28	−46 7.3	1.454	2.343	15.0	17.9
5 21	13 14.68	−43 15.2	1.486	2.352	16.1	18.0

498612 2008 RG_{97} 4 16.6 176°.50 0°.4/16.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 2.32	−12 1.6	2.288	3.107	12.1	22.2
3 22	13 57.70	−11 24.4	2.204	3.108	9.2	22.0
4 1	13 51.33	−10 36.6	2.145	3.110	5.8	21.8
4 11	13 43.78	− 9 41.7	2.113	3.110	2.0	21.5
4 21	13 35.82	− 8 44.1	2.109	3.111	1.9	21.5
5 1	13 28.23	− 7 49.0	2.135	3.111	5.6	21.8
5 11	13 21.76	− 7 1.3	2.189	3.111	9.1	22.0
5 21	13 16.93	− 6 24.6	2.266	3.110	12.1	22.2

143031 2002 VH_{119} 4 16.6 59°.16 0°.6/16.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 6.77	−12 29.7	1.527	2.359	16.4	19.5
3 22	14 1.76	−12 32.1	1.463	2.372	12.5	19.2
4 1	13 54.17	−12 22.1	1.420	2.386	8.0	19.0
4 11	13 44.86	−12 2.3	1.402	2.400	3.1	18.7
4 21	13 35.00	−11 36.8	1.411	2.413	2.1	18.7
5 1	13 25.85	−11 11.2	1.446	2.428	6.9	19.0
5 11	13 18.49	−10 51.1	1.506	2.442	11.3	19.3
5 21	13 13.57	−10 40.7	1.587	2.456	15.1	19.6

437749 2014 FL_{15} 4 16.6 239°.47 3°.8/12.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	13 59.69	− 0 44.8	2.346	3.189	11.0	21.1
3 22	13 55.66	+ 0 17.3	2.269	3.186	8.3	20.9
4 1	13 50.02	+ 1 22.4	2.218	3.183	5.6	20.7
4 11	13 43.31	+ 2 25.0	2.194	3.180	3.9	20.6
4 21	13 36.21	+ 3 19.8	2.198	3.177	5.0	20.6
5 1	13 29.45	+ 4 2.1	2.231	3.174	7.7	20.8
5 11	13 23.72	+ 4 28.8	2.288	3.170	10.5	21.0
5 21	13 19.48	+ 4 38.7	2.368	3.167	13.0	21.1

385921 2006 TC_{74} 4 16.6 171°.08 2°.0/14.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 1.44	− 4 54.3	2.726	3.554	10.1	21.6
3 22	13 56.73	− 4 19.4	2.646	3.557	7.6	21.4
4 1	13 50.58	− 3 40.3	2.592	3.559	4.7	21.2
4 11	13 43.49	− 3 0.5	2.566	3.561	2.3	21.1
4 21	13 36.07	− 2 23.7	2.570	3.563	3.0	21.1
5 1	13 28.98	− 1 53.5	2.603	3.564	5.7	21.3
5 11	13 22.80	− 1 32.7	2.664	3.565	8.5	21.5
5 21	13 17.97	− 1 22.9	2.748	3.565	11.0	21.6

497412 2005 WL_{63} 4 16.6 192°.73 1°.4/18.0 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 4.24	−17 18.2	2.425	3.220	12.3	23.2
3 22	13 59.15	−16 54.8	2.331	3.218	9.5	23.0
4 1	13 52.25	−16 18.2	2.261	3.215	6.4	22.8
4 11	13 44.14	−15 30.2	2.219	3.212	3.0	22.6
4 21	13 35.56	−14 34.4	2.206	3.207	1.8	22.5
5 1	13 27.32	−13 35.4	2.222	3.203	5.0	22.7
5 11	13 20.18	−12 38.8	2.267	3.197	8.4	22.9
5 21	13 14.68	−11 49.0	2.336	3.191	11.4	23.1

309175 2007 BK_{68} 4 16.6 55°.40 2°.4/14.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 2.19	− 7 26.9	1.712	2.557	14.4	21.2
3 22	13 58.10	− 6 34.3	1.639	2.558	10.8	21.0
4 1	13 51.79	− 5 31.9	1.589	2.560	6.7	20.8
4 11	13 44.00	− 4 25.6	1.565	2.562	2.9	20.5
4 21	13 35.68	− 3 22.1	1.568	2.564	3.8	20.6
5 1	13 27.88	− 2 28.3	1.598	2.566	7.9	20.8
5 11	13 21.53	− 1 49.7	1.652	2.568	11.9	21.1
5 21	13 17.25	− 1 29.0	1.728	2.570	15.3	21.3

23372 1405 $T\text{-}_{2}$ 4 16.6 102°.60 0°.4/16.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 6.60	−13 36.4	1.652	2.477	15.7	19.8
3 22	14 1.45	−13 15.6	1.586	2.492	12.0	19.6
4 1	13 53.88	−12 40.7	1.542	2.506	7.7	19.4
4 11	13 44.75	−11 55.3	1.523	2.520	2.9	19.1
4 21	13 35.12	−11 4.6	1.531	2.534	2.0	19.1
5 1	13 26.18	−10 15.1	1.567	2.547	6.7	19.4
5 11	13 18.91	− 9 33.1	1.628	2.560	10.9	19.7
5 21	13 13.93	− 9 3.1	1.712	2.573	14.5	19.9

222674 2001 YD_{33} 4 16.6 234°.41 3°.4/19.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 4.12	−21 17.3	1.897	2.691	15.2	20.2
3 22	13 59.65	−21 19.8	1.806	2.686	12.2	20.0
4 1	13 52.85	−21 4.3	1.738	2.682	8.7	19.7
4 11	13 44.43	−20 31.4	1.694	2.678	5.1	19.5
4 21	13 35.32	−19 43.5	1.677	2.673	3.5	19.4
5 1	13 26.61	−18 46.2	1.687	2.669	6.1	19.5
5 11	13 19.32	−17 46.3	1.723	2.664	9.9	19.8
5 21	13 14.14	−16 50.8	1.783	2.659	13.4	20.0

352052 2006 VB_{154} 4 16.6 62°.49 3°.1/20.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	13 59.77	−23 36.6	2.274	3.054	13.4	20.4
3 22	13 55.90	−23 8.6	2.188	3.058	10.8	20.2
4 1	13 50.24	−22 22.2	2.124	3.063	7.7	20.0
4 11	13 43.41	−21 19.1	2.087	3.068	4.6	19.8
4 21	13 36.16	−20 3.0	2.077	3.072	3.1	19.7
5 1	13 29.34	−18 39.5	2.095	3.077	5.1	19.9
5 11	13 23.68	−17 15.6	2.141	3.082	8.2	20.1
5 21	13 19.69	−15 57.5	2.213	3.087	11.2	20.3

467079 2016 DS_{26} 4 16.6 139°.83 3°.1/14.2 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 7.35	− 4 5.3	1.720	2.560	14.5	21.5
3 22	14 1.92	− 3 29.6	1.651	2.568	10.9	21.3
4 1	13 54.15	− 2 48.6	1.606	2.575	6.9	21.1
4 11	13 44.86	− 2 7.7	1.587	2.581	3.5	20.9
4 21	13 35.05	− 1 32.6	1.595	2.588	4.4	21.0
5 1	13 25.84	− 1 8.8	1.630	2.593	8.3	21.2
5 11	13 18.22	− 0 59.6	1.691	2.599	12.1	21.4
5 21	13 12.79	− 1 6.6	1.773	2.604	15.5	21.7

102695 1999 VP_{77} 4 16.6 226°.46 0°.4/16.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 6.40	−13 23.5	2.011	2.825	13.7	20.5
3 22	14 1.20	−13 5.7	1.914	2.814	10.6	20.2
4 1	13 53.78	−12 35.6	1.840	2.802	6.8	20.0
4 11	13 44.77	−11 55.5	1.793	2.790	2.6	19.7
4 21	13 35.06	−11 9.4	1.774	2.777	1.9	19.6
5 1	13 25.66	−10 22.6	1.784	2.763	6.2	19.8
5 11	13 17.56	− 9 40.8	1.821	2.749	10.3	20.1
5 21	13 11.44	− 9 8.7	1.881	2.733	13.8	20.2

127999 2003 HF_{51} 4 16.6 54°.61 4°.4/13.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 3.20	− 4 31.4	1.341	2.202	16.6	19.4
3 22	13 59.34	− 3 16.0	1.278	2.205	12.5	19.2
4 1	13 52.78	− 1 51.1	1.237	2.209	8.0	18.9
4 11	13 44.40	− 0 25.9	1.220	2.214	4.6	18.8
4 21	13 35.41	+ 0 49.8	1.229	2.218	6.1	18.9
5 1	13 27.13	+ 1 47.0	1.262	2.223	10.4	19.1
5 11	13 20.68	+ 2 20.4	1.318	2.227	14.7	19.4
5 21	13 16.74	+ 2 28.6	1.392	2.232	18.5	19.6

429841 2012 QN_{34} 4 16.6 349°.30 2°.6/18.9 17

3 12	14 1.67	−19 27.2	1.862	2.669	14.9	21.3
3 22	13 57.74	−19 18.5	1.777	2.668	11.8	21.1
4 1	13 51.62	−18 52.4	1.714	2.666	8.1	20.9
4 11	13 43.97	−18 10.5	1.676	2.665	4.3	20.6
4 21	13 35.72	−17 16.2	1.664	2.664	2.7	20.5
5 1	13 27.91	−16 15.6	1.680	2.663	5.9	20.7
5 11	13 21.48	−15 15.6	1.721	2.663	9.8	20.9
5 21	13 17.08	−14 22.6	1.786	2.662	13.3	21.2

48582 1994 PF_{25} 4 16.6 239°.56 1°.1/15.6 18

3 12	14 5.18	− 9 34.4	1.964	2.791	13.5	20.4
3 22	14 0.30	− 9 2.5	1.868	2.778	10.2	20.1
4 1	13 53.22	− 8 20.4	1.797	2.764	6.4	19.9
4 11	13 44.58	− 7 31.6	1.751	2.749	2.3	19.6
4 21	13 35.23	− 6 41.1	1.734	2.734	2.7	19.6
5 1	13 26.21	− 5 54.7	1.746	2.719	6.9	19.8
5 11	13 18.46	− 5 17.9	1.783	2.703	10.9	20.0
5 21	13 12.67	− 4 54.3	1.843	2.686	14.5	20.2

323765 2005 PM_{18} 4 16.6 283°.43 2°.0/15.2 18

3 12	14 6.70	− 6 29.0	1.727	2.565	14.6	21.1
3 22	14 1.91	− 6 11.2	1.623	2.538	11.2	20.8
4 1	13 54.52	− 5 45.7	1.542	2.511	7.1	20.5
4 11	13 45.14	− 5 16.3	1.487	2.484	2.9	20.1
4 21	13 34.73	− 4 48.1	1.458	2.456	3.6	20.1
5 1	13 24.51	− 4 26.6	1.457	2.428	8.2	20.3
5 11	13 15.66	− 4 16.8	1.480	2.400	12.7	20.5
5 21	13 9.06	− 4 21.8	1.525	2.371	16.8	20.7

420943 2013 PC 4 16.6 237°.02 0°.4/16.3 17

3 12	14 5.52	−11 20.6	2.009	2.830	13.5	21.9
3 22	14 0.53	−10 56.1	1.911	2.817	10.3	21.6
4 1	13 53.36	−10 20.5	1.838	2.803	6.5	21.4
4 11	13 44.63	− 9 36.8	1.791	2.789	2.3	21.1
4 21	13 35.19	− 8 49.3	1.772	2.773	2.1	21.0
5 1	13 26.07	− 8 3.6	1.782	2.758	6.5	21.3
5 11	13 18.20	− 7 25.1	1.818	2.742	10.5	21.5
5 21	13 12.27	− 6 58.0	1.877	2.725	14.1	21.6

351560 2005 TJ_{194} 4 16.6 234°.36 1°.8/14.9 17

3 12	14 4.95	− 4 21.7	2.454	3.281	11.1	21.1
3 22	13 59.56	− 4 17.6	2.370	3.279	8.4	20.9
4 1	13 52.46	− 4 10.8	2.311	3.277	5.3	20.7
4 11	13 44.23	− 4 3.8	2.280	3.275	2.3	20.5
4 21	13 35.55	− 3 59.5	2.278	3.274	2.8	20.6
5 1	13 27.21	− 4 0.8	2.306	3.272	6.0	20.8
5 11	13 19.93	− 4 9.8	2.361	3.270	9.1	20.9
5 21	13 14.22	− 4 27.7	2.440	3.268	11.8	21.1

98104 2000 RK_{87} 4 16.6 152°.33 1°.2/17.5 18

3 12	14 8.05	−14 48.9	1.729	2.545	15.5	20.2
3 22	14 2.62	−14 43.6	1.652	2.551	12.0	19.9
4 1	13 54.70	−14 24.3	1.596	2.557	7.8	19.7
4 11	13 45.10	−13 53.1	1.566	2.562	3.3	19.4
4 21	13 34.87	−13 13.8	1.564	2.566	2.1	19.4
5 1	13 25.20	−12 32.3	1.589	2.571	6.5	19.7
5 11	13 17.14	−11 54.8	1.641	2.574	10.8	19.9
5 21	13 11.39	−11 26.3	1.715	2.578	14.5	20.1

437785 2015 CA_{12} 4 16.6 98°.18 1°.8/14.9 17

3 12	14 2.08	− 8 7.0	1.953	2.790	13.2	21.2
3 22	13 57.75	− 7 22.6	1.881	2.796	9.9	20.9
4 1	13 51.45	− 6 29.5	1.832	2.802	6.1	20.7
4 11	13 43.87	− 5 32.4	1.810	2.807	2.4	20.5
4 21	13 35.85	− 4 37.0	1.815	2.813	3.1	20.6
5 1	13 28.32	− 3 49.0	1.849	2.818	6.9	20.8
5 11	13 22.07	− 3 13.0	1.908	2.824	10.5	21.0
5 21	13 17.67	− 2 51.8	1.989	2.829	13.7	21.2

402029 2003 SY_{164} 4 16.6 144°.20 1°.6/15.1 16

3 12	14 5.39	− 9 14.5	1.910	2.739	13.7	21.8
3 22	14 0.24	− 8 22.8	1.839	2.750	10.3	21.6
4 1	13 53.00	− 7 20.9	1.791	2.760	6.4	21.4
4 11	13 44.43	− 6 13.8	1.771	2.769	2.4	21.1
4 21	13 35.42	− 5 7.6	1.779	2.777	3.0	21.2
5 1	13 26.97	− 4 8.8	1.816	2.785	7.0	21.4
5 11	13 19.93	− 3 22.6	1.879	2.793	10.8	21.7
5 21	13 14.86	− 2 52.1	1.964	2.799	14.0	21.9

502716 2015 DP_{26} 4 16.6 305°.54 3°.1/13.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 2.47	− 4 7.7	1.886	2.730	13.2	21.3
3 22	13 58.15	− 3 24.0	1.809	2.728	9.9	21.1
4 1	13 51.77	− 2 34.6	1.757	2.726	6.3	20.9
4 11	13 44.01	− 1 44.9	1.730	2.724	3.3	20.7
4 21	13 35.73	− 1 0.6	1.731	2.723	4.4	20.8
5 1	13 27.90	− 0 27.2	1.759	2.721	7.9	21.0
5 11	13 21.38	− 0 8.5	1.812	2.719	11.5	21.2
5 21	13 16.77	− 0 6.3	1.887	2.717	14.7	21.4

469336 2000 SG_{51} 4 16.6 232°.21 6°.8/24.3 18

3 12	14 6.74	−35 58.2	2.994	3.669	12.6	22.1
3 22	14 1.18	−36 41.3	2.881	3.656	11.1	21.9
4 1	13 53.67	−37 7.7	2.790	3.642	9.4	21.8
4 11	13 44.74	−37 14.8	2.723	3.628	7.8	21.6
4 21	13 35.11	−37 1.7	2.682	3.614	6.9	21.5
5 1	13 25.63	−36 29.8	2.668	3.599	7.1	21.5
5 11	13 17.17	−35 43.0	2.681	3.584	8.4	21.6
5 21	13 10.36	−34 46.7	2.719	3.568	10.1	21.7

170195 2003 OP_{7} 4 16.6 299°.67 1°.2/15.7 17

3 12	14 1.21	−11 32.9	1.371	2.222	16.9	20.1
3 22	13 58.20	−10 43.6	1.280	2.202	13.0	19.8
4 1	13 52.35	− 9 35.7	1.210	2.182	8.2	19.5
4 11	13 44.38	− 8 14.1	1.164	2.162	2.9	19.1
4 21	13 35.39	− 6 47.1	1.142	2.143	3.3	19.1
5 1	13 26.77	− 5 25.1	1.146	2.124	8.9	19.3
5 11	13 19.83	− 4 18.0	1.172	2.105	14.2	19.6
5 21	13 15.47	− 3 32.2	1.218	2.087	18.8	19.8

506768 2006 WG_{151} 4 16.6 172°.57 3°.4/21.6 18

3 12	14 1.79	−27 4.7	3.349	4.084	10.4	22.6
3 22	13 56.90	−26 56.1	3.252	4.088	8.5	22.5
4 1	13 50.67	−26 33.8	3.178	4.091	6.5	22.4
4 11	13 43.56	−25 58.1	3.132	4.094	4.5	22.2
4 21	13 36.13	−25 10.6	3.114	4.096	3.4	22.2
5 1	13 28.98	−24 14.5	3.126	4.097	4.3	22.2
5 11	13 22.68	−23 13.7	3.167	4.098	6.2	22.3
5 21	13 17.62	−22 12.7	3.236	4.099	8.3	22.5

285849 2001 FR_{118} 4 16.6 18°.30 8°.1/22.8 17

3 12	14 5.11	−29 52.8	1.656	2.418	18.3	19.8
3 22	14 0.94	−30 54.8	1.579	2.422	15.6	19.6
4 1	13 53.95	−31 33.5	1.521	2.427	12.5	19.4
4 11	13 44.92	−31 45.6	1.484	2.433	9.7	19.2
4 21	13 35.03	−31 30.2	1.471	2.439	8.2	19.1
5 1	13 25.64	−30 50.8	1.483	2.446	8.9	19.2
5 11	13 18.05	−29 55.5	1.519	2.453	11.4	19.4
5 21	13 13.05	−28 53.3	1.576	2.461	14.3	19.6

93134 2000 SB_{70} 4 16.6 252°.68 0°.2/16.7 18

3 12	14 4.49	−12 9.6	1.846	2.672	14.3	20.0
3 22	13 59.84	−11 59.0	1.762	2.669	10.9	19.7
4 1	13 52.94	−11 37.1	1.701	2.666	7.0	19.5
4 11	13 44.48	−11 6.6	1.665	2.663	2.6	19.2
4 21	13 35.40	−10 31.6	1.658	2.660	1.9	19.2
5 1	13 26.73	− 9 57.2	1.677	2.657	6.4	19.4
5 11	13 19.47	− 9 28.8	1.723	2.654	10.5	19.7
5 21	13 14.26	− 9 10.3	1.791	2.651	14.1	19.9

10551 Göteborg 4 16.6 92°.95 5°.3/11.5 18 R

3 12	14 2.72	+ 4 7.1	2.151	2.995	11.9	16.9
3 22	13 58.00	+ 4 59.0	2.088	3.001	9.1	16.7
4 1	13 51.51	+ 5 49.2	2.049	3.007	6.6	16.5
4 11	13 43.89	+ 6 31.8	2.038	3.013	5.3	16.5
4 21	13 35.91	+ 7 1.9	2.053	3.019	6.4	16.6
5 1	13 28.41	+ 7 15.7	2.096	3.025	8.9	16.7
5 11	13 22.10	+ 7 11.7	2.163	3.031	11.6	16.9
5 21	13 17.48	+ 6 50.3	2.251	3.037	14.0	17.1

21305 1996 XP_{1} 4 16.6 93°.72 2°.3/18.6 18

3 12	14 6.40	−19 24.9	1.650	2.456	16.6	19.3
3 22	14 1.31	−18 59.9	1.586	2.477	12.9	19.1
4 1	13 53.79	−18 15.3	1.544	2.498	8.7	18.9
4 11	13 44.74	−17 13.8	1.527	2.518	4.3	18.7
4 21	13 35.27	−16 1.0	1.537	2.538	2.6	18.6
5 1	13 26.56	−14 44.6	1.575	2.558	6.3	18.9
5 11	13 19.58	−13 33.0	1.638	2.577	10.4	19.2
5 21	13 14.91	−12 32.5	1.725	2.596	14.0	19.5

353387 2011 NY_{3} 4 16.6 236°.95 0°.5/16.2 17

3 12	14 3.11	− 9 38.6	2.446	3.266	11.4	21.0
3 22	13 58.27	− 9 30.0	2.356	3.261	8.6	20.8
4 1	13 51.71	− 9 14.4	2.291	3.256	5.4	20.6
4 11	13 44.00	− 8 54.5	2.253	3.251	1.9	20.4
4 21	13 35.81	− 8 33.0	2.244	3.246	1.8	20.3
5 1	13 27.93	− 8 13.4	2.265	3.240	5.4	20.6
5 11	13 21.06	− 7 59.3	2.313	3.235	8.6	20.8
5 21	13 15.75	− 7 53.0	2.385	3.229	11.5	20.9

498627 2008 RB_{126} 4 16.6 188°.14 1°.9/18.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 5.08	−17 10.8	2.264	3.061	12.9	22.3
3 22	13 59.94	−17 12.6	2.174	3.061	10.1	22.1
4 1	13 52.86	−17 2.1	2.107	3.060	6.8	21.9
4 11	13 44.44	−16 40.3	2.068	3.059	3.4	21.6
4 21	13 35.47	−16 9.8	2.056	3.057	2.1	21.5
5 1	13 26.87	−15 34.6	2.074	3.055	5.2	21.7
5 11	13 19.44	−14 59.4	2.119	3.053	8.7	21.9
5 21	13 13.78	−14 28.9	2.189	3.050	11.8	22.1

310451 2000 PT_{27} 4 16.6 238°.56 10°.2/26.4 17

3 12	14 10.52	−41 7.0	2.140	2.800	17.4	20.5
3 22	14 5.06	−41 48.5	2.027	2.783	15.7	20.3
4 1	13 56.64	−42 3.8	1.931	2.764	13.7	20.1
4 11	13 45.98	−41 47.5	1.856	2.745	11.8	20.0
4 21	13 34.20	−40 56.6	1.804	2.724	10.5	19.8
5 1	13 22.73	−39 33.0	1.777	2.703	10.4	19.8
5 11	13 12.92	−37 43.8	1.775	2.681	11.8	19.8
5 21	13 5.75	−35 39.7	1.797	2.658	14.0	19.9

115393 2003 SW_{284} 4 16.6 45°.94 4°.1/19.5 18

3 12	14 5.73	−20 59.2	1.481	2.291	18.0	19.5
3 22	14 1.40	−21 15.6	1.405	2.294	14.4	19.3
4 1	13 54.22	−21 11.3	1.348	2.297	10.3	19.0
4 11	13 45.03	−20 46.2	1.315	2.300	6.0	18.8
4 21	13 35.03	−20 3.1	1.306	2.303	4.2	18.7
5 1	13 25.62	−19 8.3	1.324	2.307	7.2	18.9
5 11	13 18.07	−18 10.8	1.365	2.310	11.5	19.1
5 21	13 13.15	−17 18.6	1.428	2.314	15.5	19.3

395422 2011 ST_{185} 4 16.6 154°.60 1°.5/18.1 18

3 12	14 4.36	−15 41.5	2.503	3.302	11.8	21.3
3 22	13 59.19	−15 52.5	2.416	3.304	9.2	21.1
4 1	13 52.29	−15 53.8	2.352	3.306	6.1	20.9
4 11	13 44.21	−15 46.3	2.316	3.308	2.9	20.7
4 21	13 35.67	−15 32.1	2.309	3.310	1.9	20.6
5 1	13 27.45	−15 14.0	2.331	3.312	4.8	20.8
5 11	13 20.29	−14 55.9	2.381	3.313	7.9	21.0
5 21	13 14.71	−14 41.2	2.456	3.315	10.8	21.2

286323 2001 WC_{90} 4 16.6 200°.61 0°.1/16.5 18

3 12	14 4.16	−10 37.9	2.752	3.562	10.5	21.0
3 22	13 58.87	−10 32.1	2.660	3.559	8.0	20.8
4 1	13 52.02	−10 19.7	2.592	3.555	5.1	20.6
4 11	13 44.10	−10 2.6	2.553	3.551	1.8	20.4
4 21	13 35.76	− 9 43.2	2.544	3.546	1.5	20.4
5 1	13 27.69	− 9 24.6	2.565	3.541	4.8	20.6
5 11	13 20.55	− 9 9.9	2.614	3.535	7.8	20.8
5 21	13 14.83	− 9 1.5	2.689	3.529	10.5	21.0

432111 2009 BL_{4} 4 16.6 153°.18 2°.5/13.4 18

3 12	14 1.55	− 3 54.7	2.801	3.630	9.9	21.9
3 22	13 56.75	− 2 58.7	2.729	3.640	7.3	21.7
4 1	13 50.58	− 1 58.6	2.682	3.649	4.7	21.6
4 11	13 43.54	− 0 58.8	2.665	3.657	2.6	21.4
4 21	13 36.23	− 0 3.6	2.678	3.665	3.5	21.5
5 1	13 29.27	+ 0 43.2	2.720	3.672	6.0	21.7
5 11	13 23.21	+ 1 18.5	2.790	3.679	8.6	21.8
5 21	13 18.48	+ 1 40.8	2.884	3.685	10.9	22.0

259256 2003 CD_{4} 4 16.6 123°.14 7°.4/23.7 18

3 12	14 8.89	−32 45.7	2.049	2.771	16.5	20.2
3 22	14 3.24	−33 21.7	1.970	2.785	14.1	20.0
4 1	13 55.11	−33 34.7	1.911	2.798	11.4	19.8
4 11	13 45.29	−33 22.2	1.875	2.811	8.9	19.7
4 21	13 34.84	−32 44.6	1.864	2.824	7.5	19.6
5 1	13 24.96	−31 45.8	1.880	2.836	7.9	19.7
5 11	13 16.71	−30 33.4	1.922	2.848	9.9	19.8
5 21	13 10.77	−29 15.8	1.988	2.859	12.4	20.0

33516 Timonen 4 16.6 24°.48 0°.7/17.2 18

3 12	14 1.19	−15 39.6	1.213	2.061	18.9	18.0
3 22	13 58.21	−15 2.1	1.148	2.066	14.5	17.7
4 1	13 52.27	−14 2.3	1.102	2.071	9.4	17.4
4 11	13 44.31	−12 45.2	1.079	2.077	3.7	17.1
4 21	13 35.64	−11 19.1	1.080	2.083	2.4	17.0
5 1	13 27.72	− 9 55.0	1.106	2.090	8.0	17.4
5 11	13 21.80	− 8 43.2	1.154	2.098	13.2	17.7
5 21	13 18.61	− 7 50.7	1.222	2.107	17.6	18.0

141407 2002 AC_{165} 4 16.6 46°.79 1°.6/14.9 17

3 12	13 59.73	− 8 17.9	2.139	2.975	12.2	20.3
3 22	13 55.82	− 7 33.1	2.068	2.983	9.1	20.1
4 1	13 50.18	− 6 40.3	2.022	2.992	5.6	19.9
4 11	13 43.44	− 5 43.9	2.003	3.000	2.2	19.6
4 21	13 36.32	− 4 49.1	2.012	3.009	2.8	19.7
5 1	13 29.65	− 4 1.0	2.049	3.018	6.3	19.9
5 11	13 24.12	− 3 24.0	2.111	3.027	9.7	20.2
5 21	13 20.21	− 3 0.5	2.197	3.037	12.6	20.4

338303 2002 UN_{75} 4 16.6 214°.33 0°.2/16.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 1.82	−11 53.6	2.400	3.217	11.7	21.9
3 22	13 57.34	−11 24.4	2.309	3.213	8.8	21.7
4 1	13 51.15	−10 45.4	2.243	3.208	5.6	21.4
4 11	13 43.81	− 9 59.6	2.205	3.202	2.0	21.2
4 21	13 36.02	− 9 10.8	2.195	3.197	1.7	21.1
5 1	13 28.54	− 8 23.7	2.215	3.191	5.4	21.4
5 11	13 22.09	− 7 42.8	2.261	3.185	8.7	21.6
5 21	13 17.21	− 7 11.5	2.332	3.178	11.7	21.8

89043 2001 TJ_{112} 4 16.6 219°.37 2°.7/18.8 17

3 12	14 5.91	−19 46.7	1.658	2.463	16.5	19.7
3 22	14 1.32	−19 33.0	1.568	2.458	13.1	19.5
4 1	13 54.10	−18 58.9	1.499	2.452	9.1	19.2
4 11	13 44.99	−18 5.6	1.455	2.445	4.8	19.0
4 21	13 35.07	−16 57.2	1.437	2.438	2.9	18.8
5 1	13 25.61	−15 40.9	1.447	2.430	6.7	19.0
5 11	13 17.77	−14 25.8	1.482	2.422	11.2	19.3
5 21	13 12.34	−13 19.8	1.539	2.413	15.2	19.5

370101 2001 TV_{88} 4 16.6 224°.43 0°.7/17.3 17

3 12	14 4.51	−14 52.9	2.231	3.038	12.8	22.3
3 22	13 59.59	−14 27.1	2.131	3.027	9.9	22.1
4 1	13 52.69	−13 48.5	2.056	3.016	6.4	21.9
4 11	13 44.41	−12 59.3	2.007	3.003	2.6	21.6
4 21	13 35.53	−12 3.4	1.988	2.990	1.7	21.5
5 1	13 26.96	−11 6.0	1.998	2.977	5.6	21.7
5 11	13 19.52	−10 12.8	2.035	2.963	9.3	21.9
5 21	13 13.85	− 9 28.6	2.096	2.948	12.6	22.1

62600 2000 SG_{318} 4 16.6 231°.63 7°.4/ 8.4 18

3 12	14 2.48	+ 8 16.8	2.046	2.891	12.3	19.8
3 22	13 58.07	+ 9 50.6	1.975	2.883	9.9	19.6
4 1	13 51.70	+11 21.4	1.930	2.874	8.0	19.5
4 11	13 44.03	+12 41.2	1.911	2.865	7.5	19.4
4 21	13 35.86	+13 42.6	1.918	2.856	8.9	19.5
5 1	13 28.08	+14 20.5	1.951	2.846	11.3	19.6
5 11	13 21.53	+14 33.1	2.007	2.836	13.9	19.8
5 21	13 16.76	+14 21.2	2.081	2.826	16.3	19.9

497343 2005 UX_{97} 4 16.6 117°.64 1°.8/14.9 17

3 12	14 4.93	− 7 33.8	2.067	2.897	12.8	21.9
3 22	13 59.71	− 6 53.4	2.001	2.913	9.6	21.8
4 1	13 52.60	− 6 5.7	1.960	2.928	5.9	21.6
4 11	13 44.32	− 5 15.1	1.946	2.943	2.4	21.4
4 21	13 35.69	− 4 26.8	1.961	2.958	3.0	21.4
5 1	13 27.60	− 3 45.7	2.004	2.972	6.6	21.7
5 11	13 20.81	− 3 15.9	2.074	2.986	10.0	21.9
5 21	13 15.85	− 2 59.6	2.167	2.999	13.0	22.1

81945 2000 OL_{53} 4 16.6 264°.52 3°.7/20.6 17

3 12	14 1.85	−24 25.0	2.524	3.290	12.6	19.3
3 22	13 57.54	−24 23.5	2.413	3.272	10.3	19.1
4 1	13 51.40	−24 5.8	2.325	3.254	7.7	18.9
4 11	13 43.95	−23 32.0	2.262	3.235	5.0	18.7
4 21	13 35.90	−22 43.8	2.226	3.217	3.7	18.6
5 1	13 28.08	−21 44.9	2.220	3.198	5.3	18.7
5 11	13 21.26	−20 40.9	2.241	3.178	8.1	18.8
5 21	13 16.04	−19 37.4	2.287	3.159	11.0	19.0

313053 2000 RP_{73} 4 16.6 183°.93 1°.1/17.5 18

3 12	14 8.31	−15 3.5	2.065	2.869	13.8	21.7
3 22	14 2.53	−14 52.7	1.977	2.870	10.7	21.4
4 1	13 54.56	−14 29.1	1.912	2.870	7.0	21.2
4 11	13 45.10	−13 54.7	1.874	2.869	3.0	21.0
4 21	13 35.04	−13 13.0	1.865	2.867	1.8	20.9
5 1	13 25.40	−12 28.9	1.885	2.865	5.8	21.1
5 11	13 17.12	−11 48.0	1.933	2.861	9.7	21.3
5 21	13 10.83	−11 15.0	2.004	2.857	13.1	21.6

270524 2002 GH_{62} 4 16.6 40°.04 0°.6/15.9 18

3 12	13 59.45	−14 6.9	1.660	2.496	15.2	20.2
3 22	13 56.10	−12 51.7	1.590	2.503	11.5	20.0
4 1	13 50.57	−11 18.8	1.543	2.511	7.2	19.8
4 11	13 43.63	− 9 34.3	1.521	2.520	2.5	19.5
4 21	13 36.23	− 7 46.9	1.527	2.528	2.5	19.5
5 1	13 29.40	− 6 5.9	1.560	2.537	7.1	19.8
5 11	13 24.05	− 4 39.8	1.618	2.546	11.3	20.1
5 21	13 20.73	− 3 33.5	1.699	2.556	14.9	20.3

205231 2000 QY_{110} 4 16.6 272°.52 2°.6/14.6 17

3 12	14 3.67	− 8 1.7	1.540	2.387	15.6	21.2
3 22	13 59.77	− 7 4.2	1.448	2.368	11.8	20.9
4 1	13 53.22	− 5 53.0	1.378	2.349	7.5	20.6
4 11	13 44.72	− 4 33.9	1.333	2.330	3.2	20.3
4 21	13 35.30	− 3 15.2	1.314	2.311	4.3	20.3
5 1	13 26.22	− 2 5.9	1.322	2.291	9.1	20.5
5 11	13 18.70	− 1 13.8	1.353	2.271	13.8	20.7
5 21	13 13.55	− 0 43.3	1.404	2.251	18.0	20.9

425784 2011 CP_{71} 4 16.6 66°.36 14°.2/27.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 19.26	−44 46.3	1.936	2.566	19.8	20.6
3 22	14 12.69	−47 6.7	1.856	2.571	18.3	20.4
4 1	14 2.12	−49 2.5	1.794	2.575	16.7	20.3
4 11	13 48.23	−50 24.3	1.751	2.580	15.2	20.2
4 21	13 32.42	−51 5.6	1.729	2.585	14.3	20.2
5 1	13 16.75	−51 4.7	1.729	2.589	14.2	20.2
5 11	13 3.28	−50 27.9	1.750	2.594	14.9	20.2
5 21	12 53.42	−49 25.6	1.790	2.599	16.2	20.3

287404 2002 VB_{110} 4 16.6 187°.92 1°.0/17.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 5.92	−15 37.7	2.249	3.051	12.9	21.7
3 22	14 0.56	−15 20.4	2.159	3.050	10.0	21.5
4 1	13 53.25	−14 50.6	2.092	3.049	6.5	21.3
4 11	13 44.61	−14 10.2	2.053	3.047	2.8	21.1
4 21	13 35.44	−13 22.9	2.042	3.045	1.7	21.0
5 1	13 26.65	−12 33.3	2.061	3.041	5.4	21.2
5 11	13 19.06	−11 46.7	2.108	3.037	9.0	21.4
5 21	13 13.26	−11 7.8	2.179	3.032	12.2	21.6

319580 2006 SG_{101} 4 16.6 39°.85 0°.2/16.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 4.25	−12 36.4	1.384	2.226	17.3	21.0
3 22	14 0.16	−12 22.1	1.319	2.235	13.2	20.7
4 1	13 53.34	−11 53.1	1.276	2.244	8.4	20.5
4 11	13 44.69	−11 13.2	1.256	2.254	3.1	20.2
4 21	13 35.42	−10 28.1	1.262	2.264	2.3	20.1
5 1	13 26.86	− 9 45.1	1.293	2.275	7.5	20.5
5 11	13 20.17	− 9 11.0	1.347	2.286	12.2	20.8
5 21	13 16.01	− 8 50.5	1.423	2.297	16.2	21.0

133681 2003 UO_{199} 4 16.6 307°.92 1°.1/15.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 0.87	−10 15.7	1.757	2.597	14.3	19.9
3 22	13 57.29	− 9 40.2	1.666	2.582	10.9	19.6
4 1	13 51.46	− 8 52.6	1.597	2.567	6.8	19.4
4 11	13 44.03	− 7 56.9	1.554	2.553	2.5	19.1
4 21	13 35.87	− 6 58.8	1.538	2.538	2.7	19.0
5 1	13 28.07	− 6 5.2	1.548	2.524	7.2	19.3
5 11	13 21.59	− 5 22.4	1.583	2.511	11.5	19.5
5 21	13 17.16	− 4 54.5	1.640	2.497	15.3	19.7

309743 2008 UA_{172} 4 16.6 236°.66 1°.4/17.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 6.39	−16 47.8	1.672	2.487	16.0	22.0
3 22	14 1.72	−16 24.5	1.576	2.475	12.5	21.7
4 1	13 54.40	−15 42.7	1.502	2.462	8.4	21.4
4 11	13 45.14	−14 44.5	1.453	2.448	3.7	21.1
4 21	13 35.00	−13 34.5	1.431	2.433	2.2	21.0
5 1	13 25.22	−12 20.2	1.436	2.418	6.9	21.2
5 11	13 17.01	−11 10.3	1.467	2.403	11.6	21.4
5 21	13 11.17	−10 12.0	1.520	2.386	15.8	21.7

57006 2000 SU_{354} 4 16.6 142°.77 1°.7/14.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 3.56	− 5 30.3	2.536	3.363	10.8	19.3
3 22	13 58.45	− 5 12.7	2.459	3.368	8.1	19.2
4 1	13 51.75	− 4 51.0	2.406	3.373	5.1	19.0
4 11	13 44.02	− 4 28.3	2.382	3.379	2.2	18.8
4 21	13 35.94	− 4 7.9	2.388	3.384	2.7	18.8
5 1	13 28.21	− 3 52.9	2.422	3.388	5.7	19.0
5 11	13 21.51	− 3 46.0	2.484	3.393	8.7	19.2
5 21	13 16.30	− 3 48.8	2.570	3.397	11.3	19.4

4045 Lowengrub 4 16.6 85°.87 2°.5/19.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	13 59.73	−23 23.6	2.432	3.209	12.7	16.4
3 22	13 55.73	−22 37.6	2.349	3.219	10.1	16.2
4 1	13 50.09	−21 33.7	2.288	3.228	7.1	16.1
4 11	13 43.42	−20 14.2	2.255	3.238	4.1	15.9
4 21	13 36.42	−18 43.4	2.250	3.248	2.6	15.8
5 1	13 29.85	−17 7.3	2.275	3.257	4.7	16.0
5 11	13 24.38	−15 32.9	2.328	3.267	7.8	16.2
5 21	13 20.47	−14 6.0	2.408	3.276	10.6	16.4

361547 2007 PM_{37} 4 16.6 207°.04 1°.3/15.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 4.67	−10 50.4	1.740	2.572	14.7	21.1
3 22	14 0.09	− 9 54.7	1.656	2.568	11.2	20.8
4 1	13 53.17	− 8 44.9	1.595	2.564	7.0	20.6
4 11	13 44.63	− 7 26.4	1.561	2.559	2.5	20.3
4 21	13 35.45	− 6 5.9	1.554	2.553	3.0	20.3
5 1	13 26.74	− 4 51.6	1.574	2.547	7.5	20.6
5 11	13 19.50	− 3 50.6	1.621	2.540	11.8	20.8
5 21	13 14.40	− 3 7.2	1.689	2.533	15.5	21.0

417516 2006 SU_{291} 4 16.6 202°.30 6°.1/11.7 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 11.87	+ 7 37.7	2.201	3.025	12.4	21.8
3 22	14 4.96	+ 8 12.2	2.122	3.020	9.8	21.6
4 1	13 55.98	+ 8 42.0	2.067	3.014	7.3	21.4
4 11	13 45.60	+ 9 1.4	2.041	3.008	6.1	21.3
4 21	13 34.71	+ 9 5.8	2.043	3.000	7.1	21.4
5 1	13 24.28	+ 8 52.4	2.074	2.992	9.5	21.5
5 11	13 15.18	+ 8 20.5	2.130	2.984	12.3	21.7
5 21	13 8.01	+ 7 31.7	2.209	2.974	14.9	21.8

107771 2001 FA_{42} 4 16.6 67°.17 2°.8/18.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 6.29	−18 44.4	1.833	2.635	15.3	19.8
3 22	14 1.12	−18 58.4	1.767	2.654	12.0	19.6
4 1	13 53.68	−18 57.0	1.722	2.672	8.3	19.4
4 11	13 44.78	−18 41.1	1.703	2.691	4.5	19.2
4 21	13 35.40	−18 13.4	1.711	2.710	3.0	19.1
5 1	13 26.63	−17 38.7	1.746	2.728	5.9	19.4
5 11	13 19.42	−17 3.1	1.808	2.747	9.6	19.6
5 21	13 14.36	−16 31.9	1.893	2.766	12.9	19.9

323062 2002 SU_{39} 4 16.6 202°.22 0°.9/15.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 6.43	− 9 37.2	2.228	3.046	12.4	22.1
3 22	14 0.96	− 9 10.2	2.137	3.041	9.4	21.9
4 1	13 53.52	− 8 34.5	2.070	3.036	5.9	21.7
4 11	13 44.75	− 7 53.3	2.032	3.029	2.1	21.4
4 21	13 35.42	− 7 10.7	2.022	3.022	2.3	21.4
5 1	13 26.44	− 6 31.5	2.042	3.014	6.1	21.6
5 11	13 18.64	− 6 0.1	2.089	3.006	9.7	21.8
5 21	13 12.61	− 5 39.7	2.160	2.996	12.9	22.0

228387 2000 YY_{35} 4 16.6 63°.87 6°.0/11.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 5.03	+ 3 1.2	1.684	2.535	14.3	19.8
3 22	13 59.94	+ 4 12.4	1.646	2.564	10.8	19.6
4 1	13 52.77	+ 5 21.4	1.631	2.592	7.7	19.5
4 11	13 44.39	+ 6 20.3	1.642	2.620	6.0	19.4
4 21	13 35.79	+ 7 2.8	1.680	2.649	7.3	19.6
5 1	13 27.98	+ 7 24.6	1.743	2.677	10.1	19.8
5 11	13 21.77	+ 7 24.7	1.830	2.705	13.0	20.0
5 21	13 17.61	+ 7 4.6	1.937	2.732	15.6	20.3

257498 1995 WO_{14} 4 16.6 241°.31 0°.2/16.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 6.35	−12 41.3	1.883	2.703	14.3	21.9
3 22	14 1.38	−12 25.6	1.786	2.690	11.0	21.7
4 1	13 54.05	−11 57.8	1.712	2.676	7.1	21.4
4 11	13 45.01	−11 20.1	1.664	2.662	2.7	21.1
4 21	13 35.19	−10 36.7	1.644	2.647	2.0	21.0
5 1	13 25.68	− 9 53.1	1.653	2.632	6.6	21.3
5 11	13 17.53	− 9 15.3	1.687	2.616	10.8	21.5
5 21	13 11.47	− 8 47.9	1.744	2.599	14.6	21.7

165561 2001 DV_{52} 4 16.6 111°.84 0°.4/16.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 9.08	−12 59.0	1.793	2.610	15.0	20.8
3 22	14 3.14	−12 44.5	1.728	2.630	11.4	20.6
4 1	13 54.91	−12 17.9	1.687	2.649	7.3	20.4
4 11	13 45.22	−11 42.1	1.671	2.668	2.8	20.1
4 21	13 35.12	−11 1.7	1.684	2.686	1.9	20.1
5 1	13 25.69	−10 22.2	1.725	2.704	6.3	20.4
5 11	13 17.89	− 9 49.1	1.792	2.721	10.3	20.7
5 21	13 12.30	− 9 26.1	1.882	2.737	13.7	20.9

503374 2016 CS_{32} 4 16.6 338°.66 2°.1/18.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	13 59.98	−17 44.2	1.267	2.107	18.7	20.8
3 22	13 57.45	−17 28.0	1.187	2.098	14.7	20.5
4 1	13 51.96	−16 48.7	1.127	2.090	9.9	20.2
4 11	13 44.32	−15 48.5	1.088	2.083	4.7	19.9
4 21	13 35.74	−14 33.4	1.074	2.076	2.7	19.7
5 1	13 27.70	−13 13.0	1.083	2.071	7.7	20.0
5 11	13 21.54	−11 58.2	1.116	2.066	13.0	20.3
5 21	13 18.11	−10 57.9	1.168	2.062	17.6	20.5

70951 1999 WV_{22} 4 16.6 300°.87 1°.1/17.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 1.35	−16 12.2	1.877	2.695	14.4	19.9
3 22	13 57.52	−15 47.3	1.788	2.689	11.2	19.7
4 1	13 51.54	−15 6.6	1.722	2.682	7.4	19.5
4 11	13 44.06	−14 12.8	1.681	2.676	3.2	19.2
4 21	13 35.97	−13 10.4	1.667	2.669	1.9	19.1
5 1	13 28.26	−12 5.8	1.681	2.663	6.0	19.3
5 11	13 21.88	−11 5.9	1.720	2.657	10.1	19.6
5 21	13 17.46	−10 16.4	1.783	2.651	13.7	19.8

213778 2003 EE_{12} 4 16.6 85°.69 4°.1/11.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	13 59.71	− 0 52.7	2.256	3.101	11.3	20.2
3 22	13 55.69	+ 0 23.0	2.194	3.111	8.5	20.1
4 1	13 50.07	+ 1 41.5	2.156	3.122	5.7	19.9
4 11	13 43.44	+ 2 56.6	2.147	3.132	4.1	19.8
4 21	13 36.50	+ 4 2.6	2.166	3.142	5.2	19.9
5 1	13 29.98	+ 4 54.3	2.212	3.152	7.9	20.1
5 11	13 24.55	+ 5 28.8	2.284	3.162	10.7	20.3
5 21	13 20.64	+ 5 45.2	2.378	3.172	13.1	20.5

211979 2005 AM_{31} 4 16.6 20°.61 3°.1/18.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 3.26	−19 4.2	1.320	2.149	18.7	19.8
3 22	13 59.75	−19 3.7	1.249	2.151	14.8	19.6
4 1	13 53.29	−18 41.2	1.197	2.155	10.2	19.3
4 11	13 44.76	−17 58.0	1.168	2.159	5.3	19.0
4 21	13 35.44	−16 59.0	1.162	2.163	3.3	18.9
5 1	13 26.79	−15 52.4	1.182	2.168	7.4	19.2
5 11	13 20.09	−14 48.1	1.225	2.173	12.2	19.5
5 21	13 16.11	−13 54.3	1.288	2.179	16.5	19.7

259040 2002 TQ_{256} 4 16.6 205°.68 0°.1/16.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 5.28	−12 48.1	2.104	2.919	13.2	22.0
3 22	14 0.23	−12 19.3	2.012	2.914	10.1	21.8
4 1	13 53.13	−11 38.6	1.945	2.908	6.4	21.6
4 11	13 44.63	−10 49.0	1.905	2.902	2.4	21.3
4 21	13 35.54	− 9 54.8	1.893	2.895	1.8	21.2
5 1	13 26.83	− 9 1.7	1.910	2.887	6.0	21.5
5 11	13 19.35	− 8 15.1	1.954	2.879	9.8	21.7
5 21	13 13.72	− 7 39.2	2.022	2.870	13.2	21.9

313731 2003 US_{183} 4 16.6 101°.09 0°.5/16.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 7.48	−11 5.9	1.659	2.489	15.5	21.0
3 22	14 2.11	−10 44.3	1.595	2.504	11.7	20.8
4 1	13 54.35	−10 11.3	1.553	2.520	7.3	20.6
4 11	13 45.05	− 9 30.6	1.538	2.536	2.6	20.3
4 21	13 35.29	− 8 47.6	1.549	2.551	2.3	20.3
5 1	13 26.21	− 8 8.3	1.588	2.565	6.9	20.7
5 11	13 18.80	− 7 38.1	1.652	2.580	11.1	20.9
5 21	13 13.67	− 7 20.5	1.738	2.594	14.6	21.2

413206 2003 BS_{64} 4 16.6 149°.87 1°.8/18.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 6.11	−18 6.6	2.289	3.080	13.0	21.7
3 22	14 0.61	−17 50.8	2.208	3.091	10.1	21.5
4 1	13 53.23	−17 21.1	2.150	3.101	6.8	21.3
4 11	13 44.63	−16 39.5	2.120	3.110	3.4	21.1
4 21	13 35.60	−15 49.1	2.118	3.119	2.0	21.0
5 1	13 27.02	−14 55.0	2.146	3.127	5.1	21.3
5 11	13 19.68	−14 2.5	2.202	3.134	8.5	21.5
5 21	13 14.12	−13 16.5	2.283	3.141	11.5	21.7

192706 1999 TX_{90} 4 16.6 213°.61 1°.4/15.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 5.45	− 7 5.6	2.316	3.140	11.8	20.5
3 22	14 0.15	− 6 46.5	2.226	3.134	8.9	20.3
4 1	13 52.99	− 6 21.5	2.160	3.127	5.6	20.1
4 11	13 44.57	− 5 53.6	2.122	3.120	2.2	19.9
4 21	13 35.62	− 5 26.5	2.114	3.112	2.6	19.9
5 1	13 26.99	− 5 4.1	2.134	3.104	6.1	20.1
5 11	13 19.47	− 4 50.0	2.182	3.095	9.5	20.3
5 21	13 13.62	− 4 46.4	2.253	3.086	12.5	20.5

428831 2008 TC_{143} 4 16.6 33°.10 1°.1/15.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 1.63	−10 15.7	1.827	2.663	14.0	21.2
3 22	13 57.64	− 9 34.1	1.751	2.665	10.5	21.0
4 1	13 51.54	− 8 41.2	1.698	2.667	6.6	20.8
4 11	13 44.05	− 7 41.7	1.671	2.669	2.4	20.5
4 21	13 36.04	− 6 41.2	1.671	2.671	2.7	20.5
5 1	13 28.51	− 5 46.4	1.699	2.674	6.9	20.8
5 11	13 22.34	− 5 2.7	1.752	2.676	10.8	21.0
5 21	13 18.11	− 4 33.9	1.827	2.679	14.2	21.3

504422 2008 AL_{14} 4 16.6 117°.81 4°.2/21.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 2.21	−25 43.5	2.399	3.160	13.3	21.3
3 22	13 57.79	−25 48.9	2.310	3.164	10.9	21.1
4 1	13 51.53	−25 37.2	2.244	3.168	8.2	20.9
4 11	13 44.03	−25 8.5	2.203	3.171	5.6	20.8
4 21	13 36.05	−24 24.8	2.189	3.175	4.2	20.7
5 1	13 28.44	−23 30.0	2.203	3.178	5.5	20.8
5 11	13 21.98	−22 29.7	2.244	3.182	8.1	20.9
5 21	13 17.22	−21 29.9	2.311	3.185	10.8	21.1

425089 2009 SL_{31} 4 16.6 138°.53 1°.3/15.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 4.58	− 8 50.6	2.284	3.106	12.0	22.3
3 22	13 59.34	− 8 11.1	2.212	3.119	9.0	22.1
4 1	13 52.37	− 7 23.6	2.165	3.131	5.6	21.9
4 11	13 44.30	− 6 32.3	2.145	3.143	2.1	21.7
4 21	13 35.88	− 5 41.7	2.156	3.154	2.5	21.7
5 1	13 27.91	− 4 56.5	2.195	3.165	6.0	22.0
5 11	13 21.13	− 4 20.9	2.262	3.174	9.3	22.2
5 21	13 16.01	− 3 57.3	2.352	3.184	12.1	22.4

381479 2008 SW_{39} 4 16.6 203°.77 1°.4/15.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 1.91	− 9 27.4	2.066	2.897	12.8	21.4
3 22	13 57.64	− 8 40.9	1.984	2.896	9.6	21.2
4 1	13 51.47	− 7 44.5	1.925	2.894	6.0	21.0
4 11	13 44.01	− 6 42.5	1.894	2.892	2.2	20.7
4 21	13 36.07	− 5 40.3	1.891	2.889	2.7	20.8
5 1	13 28.53	− 4 43.8	1.916	2.887	6.5	21.0
5 11	13 22.19	− 3 58.3	1.967	2.884	10.2	21.2
5 21	13 17.60	− 3 26.8	2.041	2.881	13.4	21.4

64586 2001 WJ_{94} 4 16.6 27°.02 0°.7/16.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 2.17	−10 57.1	1.383	2.233	16.9	19.5
3 22	13 58.58	−10 31.6	1.321	2.241	12.7	19.3
4 1	13 52.36	− 9 52.7	1.279	2.250	8.0	19.1
4 11	13 44.39	− 9 5.2	1.262	2.260	2.8	18.8
4 21	13 35.85	− 8 15.7	1.269	2.271	2.7	18.8
5 1	13 28.00	− 7 31.4	1.302	2.282	7.7	19.1
5 11	13 21.92	− 6 58.9	1.358	2.294	12.3	19.4
5 21	13 18.28	− 6 42.0	1.434	2.306	16.2	19.7

396905 2005 AG_{27} 4 16.6 204°.35 11°.0/27.8 14 C

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 12.74	−43 50.6	2.207	2.840	17.6	22.1
3 22	14 6.76	−44 46.3	2.107	2.835	16.0	21.9
4 1	13 57.75	−45 16.1	2.023	2.829	14.2	21.8
4 11	13 46.48	−45 14.1	1.959	2.822	12.5	21.7
4 21	13 34.15	−44 37.3	1.918	2.814	11.2	21.6
5 1	13 22.24	−43 27.3	1.900	2.805	11.0	21.5
5 11	13 12.13	−41 50.8	1.907	2.795	12.0	21.6
5 21	13 4.76	−39 57.9	1.938	2.784	13.7	21.6

431600 2007 VM_{190} 4 16.6 162°.40 3°.5/13.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 3.80	− 0 3.6	2.444	3.279	10.9	21.5
3 22	13 58.70	+ 0 29.9	2.370	3.282	8.3	21.3
4 1	13 51.96	+ 1 4.4	2.321	3.285	5.5	21.2
4 11	13 44.17	+ 1 35.6	2.300	3.288	3.6	21.0
4 21	13 36.01	+ 1 59.6	2.308	3.290	4.4	21.1
5 1	13 28.24	+ 2 13.2	2.344	3.292	7.1	21.3
5 11	13 21.52	+ 2 14.0	2.407	3.294	9.8	21.4
5 21	13 16.34	+ 2 1.6	2.493	3.296	12.3	21.6

296805 2009 VJ_{59} 4 16.7 131°.18 4°.9/10.9 15

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 3.90	+ 3 23.2	2.477	3.312	10.8	21.6
3 22	13 58.63	+ 4 37.1	2.422	3.330	8.3	21.5
4 1	13 51.83	+ 5 50.1	2.392	3.348	5.9	21.4
4 11	13 44.09	+ 6 56.4	2.391	3.364	4.9	21.3
4 21	13 36.11	+ 7 50.9	2.420	3.380	5.9	21.4
5 1	13 28.59	+ 8 29.7	2.476	3.395	8.1	21.6
5 11	13 22.15	+ 8 50.9	2.558	3.410	10.5	21.8
5 21	13 17.24	+ 8 54.6	2.661	3.423	12.7	21.9

333865 1996 AM_{19} 4 16.7 202°.25 4°.4/21.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 4.52	−27 32.1	2.633	3.374	12.7	22.3
3 22	13 59.46	−27 35.4	2.531	3.370	10.6	22.1
4 1	13 52.58	−27 21.7	2.451	3.364	8.1	21.9
4 11	13 44.45	−26 50.6	2.397	3.359	5.7	21.8
4 21	13 35.78	−26 3.5	2.371	3.352	4.4	21.7
5 1	13 27.42	−25 4.0	2.374	3.345	5.5	21.7
5 11	13 20.13	−23 57.5	2.405	3.338	7.8	21.9
5 21	13 14.49	−22 49.9	2.462	3.329	10.4	22.0

498661 2008 SG_{127} 4 16.7 190°.12 0°.3/16.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 2.84	−13 50.7	2.259	3.072	12.5	22.6
3 22	13 58.24	−13 22.0	2.171	3.071	9.5	22.4
4 1	13 51.81	−12 41.7	2.108	3.070	6.1	22.2
4 11	13 44.16	−11 52.5	2.071	3.068	2.3	22.0
4 21	13 36.03	−10 58.6	2.064	3.066	1.6	21.9
5 1	13 28.27	−10 4.9	2.085	3.064	5.4	22.2
5 11	13 21.64	− 9 16.7	2.134	3.062	9.0	22.4
5 21	13 16.68	− 8 38.0	2.206	3.059	12.1	22.6

288888 2004 RZ_{255} 4 16.7 300°.38 3°.7/12.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	13 58.86	− 2 9.6	2.236	3.082	11.4	20.4
3 22	13 55.26	− 1 5.2	2.149	3.068	8.6	20.2
4 1	13 49.96	+ 0 4.2	2.088	3.055	5.7	20.0
4 11	13 43.49	+ 1 12.9	2.053	3.042	3.7	19.8
4 21	13 36.54	+ 2 15.1	2.047	3.029	4.9	19.9
5 1	13 29.88	+ 3 5.4	2.068	3.016	7.8	20.0
5 11	13 24.25	+ 3 39.8	2.115	3.004	10.9	20.2
5 21	13 20.16	+ 3 56.5	2.183	2.991	13.7	20.4

315281 2007 TG_{112} 4 16.7 170°.50 3°.8/19.7 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 8.09	−21 38.0	1.808	2.597	16.0	21.1
3 22	14 2.79	−21 48.7	1.724	2.600	12.9	20.9
4 1	13 54.97	−21 40.9	1.660	2.602	9.2	20.7
4 11	13 45.38	−21 14.7	1.622	2.604	5.5	20.5
4 21	13 35.08	−20 32.3	1.610	2.606	3.8	20.4
5 1	13 25.28	−19 39.0	1.626	2.607	6.5	20.5
5 11	13 17.06	−18 42.3	1.668	2.607	10.2	20.7
5 21	13 11.15	−17 49.4	1.734	2.607	13.8	21.0

382948 2004 TP_{357} 4 16.7 232°.52 1°.4/18.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 2.55	−17 55.2	2.205	3.006	13.1	21.9
3 22	13 58.18	−17 22.9	2.107	2.996	10.2	21.7
4 1	13 51.87	−16 34.8	2.031	2.986	6.9	21.4
4 11	13 44.21	−15 33.2	1.982	2.975	3.2	21.2
4 21	13 35.98	−14 22.2	1.962	2.964	1.8	21.0
5 1	13 28.08	−13 7.5	1.970	2.952	5.4	21.3
5 11	13 21.32	−11 55.9	2.006	2.940	9.1	21.5
5 21	13 16.31	−10 52.9	2.067	2.927	12.4	21.6

505252 2012 UT_{126} 4 16.7 114°.28 1°.8/15.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 8.12	− 3 54.3	2.490	3.311	11.2	21.2
3 22	14 1.86	− 3 55.1	2.417	3.323	8.4	21.0
4 1	13 53.91	− 3 53.6	2.370	3.335	5.3	20.8
4 11	13 44.89	− 3 52.5	2.352	3.347	2.4	20.6
4 21	13 35.52	− 3 54.1	2.363	3.359	2.8	20.7
5 1	13 26.59	− 4 0.9	2.405	3.370	5.8	20.9
5 11	13 18.79	− 4 14.9	2.475	3.381	8.8	21.1
5 21	13 12.62	− 4 36.8	2.569	3.392	11.5	21.3

36208 1999 TB_{120} 4 16.7 327°.52 1°.8/18.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	13 59.48	−18 14.2	2.141	2.948	13.3	17.9
3 22	13 55.90	−17 54.5	2.049	2.941	10.4	17.7
4 1	13 50.44	−17 19.6	1.979	2.934	7.0	17.4
4 11	13 43.69	−16 31.6	1.935	2.927	3.5	17.2
4 21	13 36.40	−15 34.0	1.919	2.921	2.1	17.1
5 1	13 29.45	−14 32.1	1.931	2.915	5.3	17.3
5 11	13 23.64	−13 32.2	1.970	2.909	8.9	17.5
5 21	13 19.53	−12 39.6	2.032	2.903	12.2	17.7

258384 2001 XX_{55} 4 16.7 81°.55 2°.6/14.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 5.23	− 5 51.1	1.755	2.596	14.3	20.7
3 22	14 0.21	− 5 8.4	1.698	2.615	10.6	20.5
4 1	13 53.07	− 4 19.2	1.664	2.634	6.6	20.3
4 11	13 44.60	− 3 28.9	1.657	2.653	3.0	20.1
4 21	13 35.77	− 2 43.4	1.677	2.672	3.9	20.2
5 1	13 27.61	− 2 8.3	1.724	2.690	7.6	20.5
5 11	13 20.97	− 1 47.3	1.797	2.708	11.3	20.7
5 21	13 16.38	− 1 42.0	1.891	2.727	14.4	21.0

72157 2000 YR_{99} 4 16.7 153°.71 0°.7/17.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 7.10	−14 46.6	1.990	2.799	14.0	20.8
3 22	14 1.61	−14 22.6	1.912	2.808	10.8	20.6
4 1	13 53.99	−13 45.2	1.856	2.816	7.0	20.4
4 11	13 44.97	−12 57.2	1.828	2.824	2.8	20.2
4 21	13 35.45	−12 3.0	1.828	2.831	1.8	20.1
5 1	13 26.45	−11 8.3	1.857	2.837	5.9	20.4
5 11	13 18.86	−10 19.1	1.913	2.842	9.8	20.6
5 21	13 13.26	− 9 39.9	1.993	2.847	13.1	20.8

55912 1998 FD_9 4 16.7 182°.95 1°.1/15.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 3.67	− 7 11.4	2.739	3.559	10.3	19.3
3 22	13 58.50	− 6 57.8	2.653	3.559	7.8	19.1
4 1	13 51.82	− 6 39.4	2.593	3.559	4.8	18.9
4 11	13 44.14	− 6 18.7	2.561	3.559	1.9	18.7
4 21	13 36.08	− 5 58.7	2.559	3.558	2.1	18.7
5 1	13 28.32	− 5 42.3	2.587	3.557	5.2	18.9
5 11	13 21.49	− 5 32.3	2.643	3.555	8.1	19.1
5 21	13 16.05	− 5 30.5	2.723	3.554	10.7	19.3

304430 2006 TW_{87} 4 16.7 128°.62 1°.8/15.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 7.21	− 4 12.4	2.466	3.288	11.2	20.6
3 22	14 1.26	− 4 13.8	2.387	3.294	8.5	20.5
4 1	13 53.59	− 4 12.7	2.334	3.299	5.3	20.3
4 11	13 44.79	− 4 11.7	2.309	3.305	2.3	20.1
4 21	13 35.59	− 4 13.3	2.314	3.310	2.8	20.1
5 1	13 26.79	− 4 20.0	2.348	3.315	5.9	20.3
5 11	13 19.08	− 4 33.8	2.411	3.320	8.9	20.5
5 21	13 13.00	− 4 55.7	2.498	3.324	11.6	20.7

415535 2014 QN_{115} 4 16.7 92°.77 2°.3/18.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 8.03	−17 32.4	1.561	2.375	17.0	21.7
3 22	14 2.79	−17 30.7	1.496	2.392	13.3	21.5
4 1	13 54.93	−17 11.4	1.451	2.408	8.9	21.3
4 11	13 45.34	−16 36.4	1.432	2.424	4.3	21.1
4 21	13 35.20	−15 50.1	1.438	2.439	2.6	21.0
5 1	13 25.79	−14 58.9	1.471	2.455	6.6	21.3
5 11	13 18.21	−14 10.6	1.530	2.470	10.9	21.6
5 21	13 13.11	−13 31.0	1.611	2.485	14.7	21.8

354019 2001 PY_{44} 4 16.7 184°.84 1°.1/18.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 1.16	−17 45.5	3.423	4.205	9.3	22.4
3 22	13 56.39	−17 15.7	3.326	4.205	7.2	22.3
4 1	13 50.39	−16 36.0	3.254	4.204	4.8	22.1
4 11	13 43.60	−15 48.0	3.211	4.203	2.3	21.9
4 21	13 36.51	−14 54.4	3.199	4.201	1.3	21.8
5 1	13 29.67	−13 58.4	3.218	4.198	3.7	22.0
5 11	13 23.58	−13 3.8	3.267	4.194	6.2	22.2
5 21	13 18.63	−12 14.0	3.342	4.190	8.5	22.3

347709 2001 XR_{15} 4 16.7 183°.20 3°.2/12.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 1.90	+ 1 21.6	3.239	4.067	8.7	21.7
3 22	13 56.92	+ 2 3.1	3.160	4.067	6.6	21.5
4 1	13 50.71	+ 2 45.0	3.108	4.067	4.5	21.4
4 11	13 43.71	+ 3 23.6	3.085	4.066	3.2	21.3
4 21	13 36.43	+ 3 55.8	3.092	4.065	4.0	21.4
5 1	13 29.42	+ 4 18.7	3.128	4.063	6.0	21.5
5 11	13 23.18	+ 4 30.4	3.192	4.061	8.2	21.6
5 21	13 18.09	+ 4 30.5	3.279	4.058	10.2	21.8

59127 1998 XP_{25} 4 16.7 227°.96 4°.3/13.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 6.18	− 2 39.5	1.633	2.480	14.8	19.7
3 22	14 1.40	− 1 39.6	1.553	2.473	11.2	19.4
4 1	13 54.13	− 0 33.1	1.496	2.464	7.4	19.2
4 11	13 45.10	+ 0 32.8	1.465	2.456	4.5	19.0
4 21	13 35.34	+ 1 30.5	1.460	2.446	5.8	19.0
5 1	13 26.06	+ 2 12.7	1.482	2.437	9.7	19.2
5 11	13 18.32	+ 2 34.9	1.527	2.427	13.7	19.4
5 21	13 12.87	+ 2 35.6	1.593	2.416	17.3	19.6

387151 2012 TS_{232} 4 16.7 268°.07 4°.0/12.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 5.02	− 0 10.8	2.203	3.040	11.9	21.2
3 22	14 0.06	+ 0 31.5	2.102	3.015	9.1	20.9
4 1	13 53.10	+ 1 16.7	2.026	2.990	6.1	20.7
4 11	13 44.70	+ 1 59.7	1.977	2.964	4.1	20.5
4 21	13 35.62	+ 2 35.1	1.956	2.938	5.2	20.5
5 1	13 26.75	+ 2 58.4	1.964	2.911	8.2	20.7
5 11	13 18.95	+ 3 6.1	1.997	2.883	11.6	20.8
5 21	13 12.88	+ 2 57.1	2.052	2.856	14.6	21.0

55294 2001 ST_{42} 4 16.7 330°.64 0°.8/15.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 1.00	−10 11.8	1.974	2.807	13.2	19.3
3 22	13 57.11	− 9 42.9	1.890	2.802	10.0	19.1
4 1	13 51.22	− 9 4.1	1.829	2.798	6.2	18.8
4 11	13 43.99	− 8 18.9	1.795	2.793	2.2	18.6
4 21	13 36.21	− 7 32.2	1.788	2.789	2.3	18.6
5 1	13 28.81	− 6 49.3	1.809	2.785	6.4	18.8
5 11	13 22.63	− 6 15.2	1.855	2.781	10.2	19.0
5 21	13 18.27	− 5 53.4	1.925	2.778	13.5	19.2

497906 2006 VB_{19} 4 16.7 232°.33 0°.4/16.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 6.14	−13 29.5	2.058	2.871	13.5	22.6
3 22	14 1.06	−13 9.7	1.959	2.858	10.4	22.4
4 1	13 53.79	−12 37.7	1.882	2.844	6.7	22.1
4 11	13 44.97	−11 55.7	1.833	2.830	2.6	21.9
4 21	13 35.43	−11 7.6	1.812	2.815	1.8	21.8
5 1	13 26.19	−10 18.7	1.820	2.799	6.1	22.0
5 11	13 18.19	− 9 34.8	1.855	2.783	10.1	22.2
5 21	13 12.11	− 9 0.5	1.913	2.765	13.6	22.4

336555 2009 JA_2 4 16.7 251°.52 1°.5/13.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	13 53.43	− 4 29.3	4.555	5.383	6.4	21.4
3 22	13 50.36	− 3 43.3	4.467	5.378	4.7	21.3
4 1	13 46.51	− 2 54.5	4.407	5.374	3.0	21.2
4 11	13 42.16	− 2 5.4	4.376	5.369	1.6	21.1
4 21	13 37.63	− 1 18.3	4.376	5.364	2.1	21.1
5 1	13 33.25	− 0 35.7	4.406	5.360	3.8	21.2
5 11	13 29.33	+ 0 0.5	4.464	5.355	5.6	21.3
5 21	13 26.13	+ 0 28.9	4.547	5.350	7.2	21.5

338068 2002 PN_{16} 4 16.7 283°.40 5°.3/11.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 1.40	+ 1 22.2	1.992	2.841	12.5	21.0
3 22	13 57.46	+ 2 35.6	1.902	2.820	9.6	20.8
4 1	13 51.51	+ 3 52.4	1.836	2.799	6.8	20.6
4 11	13 44.12	+ 5 5.7	1.798	2.778	5.3	20.4
4 21	13 36.10	+ 6 8.4	1.786	2.757	6.7	20.5
5 1	13 28.36	+ 6 54.1	1.801	2.736	9.7	20.6
5 11	13 21.78	+ 7 19.0	1.840	2.714	13.0	20.8
5 21	13 16.99	+ 7 22.0	1.899	2.693	16.0	20.9

307615 2003 QR_{82} 4 16.7 132°.74 1°.7/15.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 7.70	− 7 52.1	2.114	2.937	12.9	21.4
3 22	14 1.76	− 7 7.5	2.048	2.956	9.6	21.2
4 1	13 53.93	− 6 15.2	2.007	2.974	5.9	21.0
4 11	13 44.92	− 5 19.8	1.994	2.991	2.4	20.8
4 21	13 35.57	− 4 26.5	2.010	3.007	3.0	20.9
5 1	13 26.79	− 3 40.4	2.056	3.022	6.5	21.2
5 11	13 19.36	− 3 5.8	2.128	3.037	10.0	21.4
5 21	13 13.79	− 2 44.8	2.224	3.050	12.9	21.6

64087 2001 SH_{285} 4 16.7 21°.53 0°.8/17.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 3.47	−14 25.7	1.214	2.061	18.9	19.1
3 22	14 0.05	−14 7.2	1.147	2.064	14.5	18.8
4 1	13 53.56	−13 29.4	1.099	2.068	9.4	18.5
4 11	13 44.94	−12 36.1	1.074	2.072	3.7	18.2
4 21	13 35.52	−11 34.2	1.073	2.076	2.4	18.1
5 1	13 26.83	−10 32.9	1.096	2.081	8.1	18.5
5 11	13 20.18	− 9 41.4	1.142	2.087	13.3	18.8
5 21	13 16.36	− 9 6.0	1.208	2.093	17.8	19.0

498117 2007 SX_3 4 16.7 134°.11 0°.3/16.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 1.47	−12 24.5	2.924	3.731	10.1	22.0
3 22	13 56.69	−11 38.0	2.849	3.747	7.6	21.9
4 1	13 50.59	−10 43.1	2.800	3.762	4.7	21.7
4 11	13 43.67	− 9 42.7	2.780	3.777	1.7	21.5
4 21	13 36.51	− 8 40.7	2.790	3.791	1.5	21.5
5 1	13 29.71	− 7 41.3	2.831	3.805	4.5	21.8
5 11	13 23.80	− 6 48.4	2.901	3.818	7.3	22.0
5 21	13 19.18	− 6 4.8	2.996	3.831	9.7	22.1

170300 2003 SA_{14} 4 16.7 151°.92 0°.4/16.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 6.85	−13 47.5	1.925	2.740	14.2	21.3
3 22	14 1.49	−13 21.4	1.848	2.748	10.9	21.1
4 1	13 53.95	−12 42.2	1.794	2.756	7.0	20.9
4 11	13 44.98	−11 53.1	1.767	2.763	2.7	20.6
4 21	13 35.50	−10 58.8	1.768	2.770	1.8	20.6
5 1	13 26.55	−10 5.2	1.797	2.776	6.1	20.9
5 11	13 19.03	− 9 18.2	1.853	2.781	10.1	21.1
5 21	13 13.55	− 8 42.2	1.933	2.786	13.5	21.3

333244 2012 HJ_{68} 4 16.7 40°.55 8°.6/10.7 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 6.26	+ 8 38.4	1.464	2.319	15.8	20.4
3 22	14 1.40	+ 9 38.8	1.414	2.328	12.6	20.2
4 1	13 54.00	+10 31.5	1.386	2.337	9.8	20.1
4 11	13 44.99	+11 7.5	1.382	2.347	8.6	20.0
4 21	13 35.54	+11 20.1	1.402	2.357	9.9	20.1
5 1	13 26.87	+11 6.0	1.446	2.368	12.6	20.3
5 11	13 20.02	+10 25.6	1.512	2.379	15.7	20.5
5 21	13 15.58	+ 9 22.7	1.596	2.390	18.5	20.8

457489 2008 UD_{330} 4 16.7 177°.05 0°.8/17.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 7.34	−15 45.9	1.846	2.656	14.9	22.5
3 22	14 2.03	−15 12.5	1.762	2.659	11.5	22.3
4 1	13 54.39	−14 23.0	1.701	2.661	7.5	22.0
4 11	13 45.17	−13 20.4	1.667	2.662	3.1	21.7
4 21	13 35.35	−12 9.9	1.660	2.663	1.9	21.7
5 1	13 26.04	−10 58.5	1.682	2.662	6.3	21.9
5 11	13 18.22	− 9 53.5	1.731	2.661	10.5	22.2
5 21	13 12.56	− 9 0.6	1.803	2.659	14.2	22.4

387742 2003 HT_{16} 4 16.7 23°.21 0°.8/17.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	13 57.47	−17 41.5	1.789	2.612	14.8	20.0
3 22	13 54.55	−16 38.7	1.718	2.621	11.4	19.8
4 1	13 49.61	−15 16.9	1.669	2.631	7.4	19.5
4 11	13 43.38	−13 40.7	1.645	2.641	3.1	19.3
4 21	13 36.74	−11 57.4	1.650	2.653	1.8	19.2
5 1	13 30.63	−10 15.7	1.681	2.664	6.0	19.5
5 11	13 25.87	− 8 43.9	1.739	2.677	10.0	19.8
5 21	13 22.97	− 7 27.9	1.820	2.690	13.5	20.0

173365 2000 AD_{58} 4 16.7 82°.40 0°.8/16.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 6.24	−11 1.8	1.606	2.440	15.7	20.6
3 22	14 1.20	−10 28.0	1.548	2.460	11.8	20.4
4 1	13 53.80	− 9 42.2	1.512	2.480	7.4	20.2
4 11	13 44.91	− 8 49.1	1.501	2.499	2.6	20.0
4 21	13 35.61	− 7 54.9	1.518	2.519	2.5	20.0
5 1	13 27.05	− 7 6.2	1.561	2.538	7.1	20.3
5 11	13 20.19	− 6 28.7	1.630	2.557	11.2	20.6
5 21	13 15.58	− 6 5.8	1.720	2.576	14.8	20.9

96353 1997 VF_{3} 4 16.7 231°.46 2°.6/14.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 7.55	− 5 48.8	1.808	2.643	14.2	20.1
3 22	14 2.32	− 5 11.7	1.718	2.631	10.7	19.9
4 1	13 54.68	− 4 26.6	1.651	2.619	6.8	19.6
4 11	13 45.32	− 3 38.6	1.610	2.606	3.1	19.3
4 21	13 35.20	− 2 53.3	1.597	2.592	4.0	19.3
5 1	13 25.45	− 2 17.0	1.612	2.577	8.1	19.6
5 11	13 17.11	− 1 54.3	1.652	2.562	12.2	19.8
5 21	13 10.92	− 1 48.0	1.714	2.546	15.8	20.0

241549 2010 FS_{29} 4 16.7 310°.90 0°.6/16.3 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 6.00	− 9 59.4	1.275	2.126	18.0	20.5
3 22	14 2.08	− 9 57.0	1.194	2.114	13.8	20.2
4 1	13 55.00	− 9 42.6	1.133	2.103	8.8	19.9
4 11	13 45.56	− 9 19.3	1.094	2.093	3.2	19.5
4 21	13 35.01	− 8 52.4	1.080	2.082	2.8	19.5
5 1	13 24.94	− 8 28.5	1.090	2.072	8.7	19.8
5 11	13 16.80	− 8 14.5	1.123	2.063	14.0	20.0
5 21	13 11.54	− 8 14.7	1.176	2.053	18.7	20.3

148618 2001 RV_{119} 4 16.7 226°.34 1°.0/15.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 5.65	− 9 25.1	2.056	2.881	13.1	20.7
3 22	14 0.60	− 9 0.4	1.964	2.872	9.9	20.5
4 1	13 53.46	− 8 26.7	1.895	2.862	6.2	20.3
4 11	13 44.85	− 7 47.3	1.854	2.852	2.3	20.0
4 21	13 35.60	− 7 6.4	1.841	2.841	2.4	20.0
5 1	13 26.69	− 6 29.2	1.856	2.830	6.5	20.2
5 11	13 19.02	− 6 0.4	1.898	2.818	10.3	20.4
5 21	13 13.22	− 5 43.3	1.963	2.806	13.7	20.6

423456 2005 SO_{112} 4 16.7 158°.94 0°.3/16.4 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 8.49	− 9 57.2	2.412	3.221	11.9	22.3
3 22	14 2.30	− 9 51.7	2.330	3.229	9.0	22.1
4 1	13 54.30	− 9 39.1	2.274	3.237	5.7	21.9
4 11	13 45.09	− 9 21.7	2.246	3.243	2.0	21.7
4 21	13 35.46	− 9 2.3	2.248	3.249	1.8	21.6
5 1	13 26.23	− 8 44.5	2.280	3.255	5.4	21.9
5 11	13 18.17	− 8 31.5	2.340	3.259	8.7	22.1
5 21	13 11.81	− 8 25.9	2.425	3.263	11.6	22.3

508268 2015 HD_{169} 4 16.7 318°.46 1°.1/15.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 1.80	− 9 6.2	1.932	2.767	13.3	21.2
3 22	13 57.80	− 8 44.5	1.844	2.758	10.1	21.0
4 1	13 51.73	− 8 13.8	1.780	2.749	6.3	20.7
4 11	13 44.22	− 7 37.8	1.742	2.740	2.3	20.5
4 21	13 36.09	− 7 0.8	1.731	2.732	2.5	20.4
5 1	13 28.32	− 6 28.1	1.748	2.723	6.6	20.7
5 11	13 21.79	− 6 4.3	1.790	2.715	10.5	20.9
5 21	13 17.14	− 5 52.6	1.854	2.708	13.9	21.1

353821 2012 TH_{317} 4 16.7 94°.11 7°.7/ 7.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 2.58	+13 27.8	2.338	3.171	11.4	20.3
3 22	13 57.78	+14 43.6	2.295	3.186	9.5	20.1
4 1	13 51.36	+15 50.8	2.277	3.201	8.0	20.1
4 11	13 43.98	+16 42.9	2.284	3.216	7.8	20.1
4 21	13 36.34	+17 15.3	2.318	3.231	8.8	20.2
5 1	13 29.21	+17 25.5	2.377	3.246	10.6	20.3
5 11	13 23.24	+17 13.6	2.459	3.260	12.5	20.5
5 21	13 18.84	+16 41.6	2.560	3.274	14.2	20.6

86302 1999 VJ_{46} 4 16.7 33°.91 6°.4/15.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 25.30	+ 5 40.5	0.989	1.839	22.0	18.2
3 22	14 17.31	+ 4 53.1	0.927	1.843	17.3	17.9
4 1	14 4.84	+ 3 51.6	0.884	1.848	11.8	17.6
4 11	13 49.18	+ 2 30.4	0.863	1.853	7.1	17.3
4 21	13 32.38	+ 0 48.7	0.868	1.859	7.5	17.4
5 1	13 16.85	− 1 10.0	0.897	1.865	12.4	17.7
5 11	13 4.55	− 3 19.6	0.950	1.872	17.8	18.0
5 21	12 56.44	− 5 34.3	1.022	1.879	22.4	18.3

296938 2010 DX_{16} 4 16.7 39°.68 6°.7/10.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	13 59.85	+ 2 19.9	1.577	2.441	14.4	19.7
3 22	13 56.31	+ 4 4.8	1.538	2.462	11.0	19.6
4 1	13 50.67	+ 5 48.8	1.522	2.485	7.9	19.4
4 11	13 43.75	+ 7 22.0	1.532	2.508	6.7	19.4
4 21	13 36.55	+ 8 35.9	1.567	2.531	8.2	19.6
5 1	13 30.04	+ 9 24.9	1.627	2.555	11.1	19.8
5 11	13 25.06	+ 9 46.9	1.709	2.579	14.0	20.0
5 21	13 22.05	+ 9 43.6	1.811	2.604	16.6	20.3

122759 2000 SQ_{65} 4 16.7 169°.10 0°.5/16.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 2.09	−10 14.7	2.369	3.191	11.6	20.1
3 22	13 57.58	− 9 55.5	2.286	3.192	8.8	19.9
4 1	13 51.37	− 9 28.3	2.227	3.192	5.5	19.7
4 11	13 44.04	− 8 56.0	2.195	3.193	2.0	19.5
4 21	13 36.28	− 8 22.1	2.192	3.193	1.9	19.5
5 1	13 28.86	− 7 50.7	2.218	3.194	5.4	19.7
5 11	13 22.49	− 7 25.6	2.271	3.194	8.7	19.9
5 21	13 17.69	− 7 9.6	2.347	3.194	11.6	20.1

496969 2002 PR_{172} 4 16.7 218°.83 0°.1/16.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 6.29	−12 31.5	2.161	2.974	13.0	23.3
3 22	14 1.03	−12 7.0	2.064	2.964	9.9	23.1
4 1	13 53.72	−11 31.3	1.991	2.953	6.3	22.8
4 11	13 44.95	−10 46.9	1.944	2.942	2.4	22.6
4 21	13 35.55	− 9 57.9	1.927	2.929	1.8	22.5
5 1	13 26.47	− 9 9.4	1.939	2.916	5.9	22.7
5 11	13 18.57	− 8 26.9	1.979	2.903	9.8	22.9
5 21	13 12.51	− 7 54.4	2.042	2.888	13.1	23.1

348887 2006 SU_{265} 4 16.7 141°.08 1°.3/18.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 1.44	−17 17.6	2.689	3.484	11.2	22.2
3 22	13 56.90	−16 56.2	2.606	3.492	8.7	22.0
4 1	13 50.85	−16 23.4	2.546	3.499	5.8	21.8
4 11	13 43.83	−15 41.1	2.515	3.507	2.7	21.6
4 21	13 36.46	−14 52.3	2.512	3.514	1.6	21.5
5 1	13 29.43	−14 1.1	2.540	3.521	4.4	21.7
5 11	13 23.38	−13 12.0	2.595	3.527	7.4	21.9
5 21	13 18.74	−12 28.7	2.676	3.533	10.0	22.1

300920 2008 CA_{28} 4 16.7 109°.80 1°.4/18.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 2.82	−16 5.1	2.371	3.174	12.2	20.9
3 22	13 58.18	−16 3.9	2.286	3.177	9.5	20.7
4 1	13 51.78	−15 51.6	2.225	3.180	6.3	20.5
4 11	13 44.20	−15 29.6	2.191	3.183	3.0	20.3
4 21	13 36.16	−15 0.7	2.185	3.186	1.8	20.2
5 1	13 28.48	−14 28.6	2.208	3.189	4.9	20.5
5 11	13 21.89	−13 57.6	2.258	3.192	8.2	20.7
5 21	13 16.91	−13 31.6	2.332	3.195	11.1	20.9

90924 1997 RX_{3} 4 16.7 88°.10 0°.6/16.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 7.06	−12 9.9	1.484	2.318	16.7	20.3
3 22	14 2.00	−11 29.4	1.427	2.339	12.6	20.1
4 1	13 54.38	−10 34.5	1.391	2.359	7.9	19.8
4 11	13 45.16	− 9 30.4	1.381	2.379	2.8	19.6
4 21	13 35.50	− 8 24.2	1.397	2.399	2.5	19.6
5 1	13 26.67	− 7 23.9	1.440	2.418	7.4	19.9
5 11	13 19.67	− 6 36.1	1.508	2.437	11.8	20.2
5 21	13 15.11	− 6 4.7	1.597	2.456	15.5	20.5

289070 2004 TZ_{210} 4 16.7 311°.15 0°.3/16.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 4.06	−11 59.2	1.521	2.359	16.2	20.3
3 22	14 0.53	−11 58.6	1.408	2.321	12.6	20.0
4 1	13 54.11	−11 45.2	1.316	2.283	8.3	19.7
4 11	13 45.33	−11 20.7	1.248	2.245	3.2	19.3
4 21	13 35.16	−10 48.7	1.205	2.208	2.3	19.1
5 1	13 24.96	−10 15.2	1.187	2.170	8.0	19.3
5 11	13 16.17	− 9 47.3	1.194	2.133	13.4	19.5
5 21	13 9.89	− 9 31.2	1.220	2.096	18.3	19.7

425744 2011 BL_{101} 4 16.7 3°.05 4°.4/13.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 3.51	− 1 46.0	1.593	2.447	14.8	20.8
3 22	13 59.34	− 0 58.8	1.524	2.447	11.2	20.6
4 1	13 52.78	− 0 7.6	1.477	2.447	7.3	20.3
4 11	13 44.62	+ 0 41.0	1.456	2.447	4.5	20.2
4 21	13 35.87	+ 1 20.1	1.461	2.448	5.7	20.2
5 1	13 27.67	+ 1 43.8	1.491	2.448	9.4	20.4
5 11	13 21.03	+ 1 48.8	1.544	2.450	13.2	20.7
5 21	13 16.59	+ 1 34.4	1.618	2.451	16.6	20.9

365104 2009 BM_{179} 4 16.7 40°.45 1°.7/15.7 18

3 12	14 6.51	− 7 59.7	1.147	2.007	18.9	20.6
3 22	14 2.20	− 7 46.4	1.097	2.023	14.2	20.3
4 1	13 54.78	− 7 22.5	1.066	2.039	8.8	20.1
4 11	13 45.36	− 6 53.7	1.058	2.056	3.3	19.8
4 21	13 35.36	− 6 26.3	1.073	2.074	3.6	19.9
5 1	13 26.34	− 6 7.2	1.113	2.093	8.9	20.2
5 11	13 19.54	− 6 1.6	1.175	2.112	13.8	20.6
5 21	13 15.63	− 6 11.6	1.257	2.131	17.9	20.9

435312 2007 UC_{79} 4 16.7 143°.74 1°.8/15.1 17

3 12	14 4.17	− 5 55.2	2.268	3.097	11.9	21.8
3 22	13 59.17	− 5 36.4	2.189	3.100	8.9	21.6
4 1	13 52.39	− 5 12.5	2.136	3.103	5.6	21.4
4 11	13 44.43	− 4 47.2	2.110	3.106	2.3	21.1
4 21	13 36.04	− 4 24.0	2.112	3.109	2.9	21.2
5 1	13 28.05	− 4 6.7	2.144	3.112	6.2	21.4
5 11	13 21.19	− 3 58.4	2.202	3.114	9.5	21.6
5 21	13 15.98	− 4 0.8	2.283	3.117	12.4	21.8

279390 2010 CW_{142} 4 16.7 181°.56 0°.9/17.5 17

3 12	14 3.33	−14 48.5	1.989	2.805	13.8	20.9
3 22	13 58.89	−14 32.0	1.905	2.805	10.6	20.7
4 1	13 52.38	−14 2.6	1.844	2.805	6.9	20.5
4 11	13 44.47	−13 22.6	1.810	2.805	2.9	20.2
4 21	13 36.00	−12 35.9	1.803	2.805	1.7	20.1
5 1	13 27.95	−11 48.0	1.824	2.805	5.8	20.4
5 11	13 21.19	−11 4.5	1.871	2.805	9.6	20.6
5 21	13 16.33	−10 30.0	1.941	2.804	13.0	20.8

433753 2015 AC_{280} 4 16.7 37°.59 0°.2/16.6 18

3 12	14 7.35	− 9 34.8	1.464	2.304	16.6	20.5
3 22	14 2.30	− 9 48.5	1.407	2.322	12.5	20.3
4 1	13 54.64	− 9 53.1	1.372	2.341	7.9	20.1
4 11	13 45.29	− 9 51.2	1.362	2.360	2.9	19.8
4 21	13 35.44	− 9 46.5	1.377	2.380	2.3	19.8
5 1	13 26.37	− 9 43.4	1.419	2.400	7.1	20.2
5 11	13 19.16	− 9 46.2	1.485	2.421	11.5	20.5
5 21	13 14.42	− 9 57.6	1.573	2.442	15.2	20.8

504366 2007 US_{114} 4 16.7 169°.39 0°.2/16.5 17

3 12	14 3.45	−11 5.3	2.345	3.163	11.9	22.0
3 22	13 58.64	−10 50.7	2.261	3.164	9.0	21.8
4 1	13 52.07	−10 27.8	2.202	3.166	5.7	21.6
4 11	13 44.33	− 9 58.9	2.169	3.167	2.1	21.3
4 21	13 36.15	− 9 27.6	2.166	3.168	1.7	21.3
5 1	13 28.32	− 8 57.8	2.192	3.169	5.4	21.5
5 11	13 21.58	− 8 33.4	2.245	3.169	8.7	21.8
5 21	13 16.46	− 8 17.3	2.322	3.170	11.7	21.9

508629 2017 SR_{42} 4 16.7 235°.77 3°.7/12.9 17

3 12	14 4.00	− 1 11.7	2.291	3.126	11.5	21.7
3 22	13 59.15	− 0 20.6	2.200	3.113	8.7	21.5
4 1	13 52.46	+ 0 33.9	2.134	3.099	5.8	21.3
4 11	13 44.50	+ 1 27.0	2.096	3.084	3.8	21.1
4 21	13 36.01	+ 2 13.2	2.087	3.069	4.8	21.1
5 1	13 27.80	+ 2 47.9	2.106	3.053	7.8	21.3
5 11	13 20.66	+ 3 7.7	2.151	3.037	10.9	21.5
5 21	13 15.15	+ 3 11.2	2.218	3.020	13.7	21.6

309808 2009 BY_{85} 4 16.7 43°.68 2°.8/18.6 18

3 12	14 5.30	−18 13.6	1.368	2.193	18.4	21.0
3 22	14 1.24	−18 15.3	1.297	2.198	14.5	20.8
4 1	13 54.26	−17 56.8	1.245	2.203	9.9	20.5
4 11	13 45.25	−17 19.4	1.217	2.209	5.0	20.3
4 21	13 35.46	−16 27.6	1.213	2.214	3.1	20.2
5 1	13 26.33	−15 29.1	1.235	2.220	7.3	20.4
5 11	13 19.15	−14 32.9	1.280	2.226	12.0	20.7
5 21	13 14.66	−13 46.6	1.347	2.233	16.2	21.0

374973 2007 DA_{52} 4 16.7 326°.03 2°.2/14.7 17

3 12	14 1.09	− 8 32.5	1.670	2.516	14.6	20.7
3 22	13 57.50	− 7 33.6	1.592	2.512	11.0	20.5
4 1	13 51.64	− 6 22.8	1.537	2.509	6.8	20.2
4 11	13 44.23	− 5 6.0	1.508	2.505	2.8	20.0
4 21	13 36.23	− 3 50.6	1.505	2.502	3.7	20.0
5 1	13 28.69	− 2 44.6	1.529	2.499	8.0	20.3
5 11	13 22.59	− 1 54.3	1.577	2.496	12.1	20.5
5 21	13 18.56	− 1 23.2	1.646	2.493	15.7	20.7

345591 2006 SF_{70} 4 16.7 107°.00 0°.7/15.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 1.69	−10 4.6	2.454	3.275	11.3	21.6
3 22	13 57.15	− 9 33.6	2.381	3.287	8.5	21.5
4 1	13 51.04	− 8 54.7	2.333	3.299	5.3	21.3
4 11	13 43.93	− 8 11.4	2.312	3.310	1.9	21.0
4 21	13 36.49	− 7 27.4	2.321	3.321	2.0	21.1
5 1	13 29.45	− 6 47.0	2.359	3.332	5.3	21.3
5 11	13 23.45	− 6 14.0	2.424	3.343	8.4	21.5
5 21	13 18.95	− 5 51.0	2.513	3.354	11.1	21.7

222736 2002 AJ_{189} 4 16.7 58°.92 4°.9/21.5 18

3 12	14 3.91	−27 5.8	1.626	2.405	17.9	19.5
3 22	13 59.64	−26 46.2	1.565	2.430	14.6	19.3
4 1	13 52.91	−26 0.2	1.524	2.455	10.8	19.1
4 11	13 44.64	−24 49.2	1.506	2.480	7.0	19.0
4 21	13 35.99	−23 18.4	1.514	2.505	4.9	18.9
5 1	13 28.13	−21 36.5	1.549	2.530	6.6	19.1
5 11	13 22.05	−19 53.9	1.610	2.556	10.0	19.3
5 21	13 18.29	−18 19.6	1.694	2.581	13.4	19.6

396233 2014 BE_{24} 4 16.7 245°.32 4°.6/21.4 17

3 12	14 2.99	−26 28.0	2.387	3.144	13.5	21.3
3 22	13 58.56	−26 37.0	2.286	3.135	11.2	21.1
4 1	13 52.18	−26 28.6	2.207	3.127	8.5	20.9
4 11	13 44.43	−26 2.2	2.152	3.118	5.9	20.7
4 21	13 36.07	−25 19.2	2.125	3.109	4.6	20.6
5 1	13 28.01	−24 23.4	2.126	3.100	5.8	20.7
5 11	13 21.07	−23 20.4	2.154	3.091	8.4	20.8
5 21	13 15.87	−22 16.6	2.207	3.081	11.2	21.0

406586 2008 AL_{98} 4 16.7 142°.15 0°.4/16.4 18

3 12	14 7.69	−11 22.2	2.038	2.854	13.5	22.6
3 22	14 1.98	−10 56.9	1.965	2.867	10.2	22.4
4 1	13 54.22	−10 21.3	1.915	2.879	6.4	22.2
4 11	13 45.13	− 9 38.9	1.893	2.891	2.3	22.0
4 21	13 35.61	− 8 54.0	1.899	2.901	2.0	21.9
5 1	13 26.62	− 8 11.7	1.935	2.911	6.1	22.2
5 11	13 19.01	− 7 37.0	1.998	2.920	9.8	22.5
5 21	13 13.33	− 7 13.2	2.084	2.928	13.0	22.7

338049 2002 NY_{31} 4 16.7 105°.33 16°.2/28.2 17

3 12	14 22.32	+44 14.5	2.184	2.863	16.7	22.1
3 22	14 12.94	+46 25.1	2.211	2.903	16.3	22.1
4 1	14 0.91	+48 0.7	2.256	2.941	16.2	22.2
4 11	13 47.46	+48 55.0	2.318	2.978	16.5	22.3
4 21	13 34.00	+49 6.6	2.397	3.014	17.0	22.4
5 1	13 21.90	+48 38.4	2.491	3.048	17.5	22.5
5 11	13 12.16	+47 36.6	2.596	3.080	18.0	22.7
5 21	13 5.23	+46 8.8	2.711	3.111	18.4	22.8

216008 2005 TS_{180} 4 16.7 238°.20 2°.9/13.2 16

3 12	14 0.71	− 2 20.0	2.639	3.474	10.2	20.9
3 22	13 56.41	− 1 33.4	2.551	3.464	7.7	20.7
4 1	13 50.61	− 0 43.4	2.488	3.455	5.0	20.5
4 11	13 43.81	+ 0 5.8	2.454	3.444	3.0	20.3
4 21	13 36.59	+ 0 49.9	2.449	3.434	3.9	20.4
5 1	13 29.64	+ 1 25.0	2.473	3.424	6.6	20.5
5 11	13 23.59	+ 1 48.1	2.523	3.413	9.3	20.7
5 21	13 18.89	+ 1 57.6	2.596	3.402	11.8	20.8

320651 2008 CW_{130} 4 16.7 113°.98 0°.6/17.2 18

3 12	14 6.96	−14 4.7	1.812	2.629	14.9	22.0
3 22	14 1.65	−13 43.8	1.743	2.644	11.4	21.8
4 1	13 54.11	−13 9.6	1.697	2.659	7.3	21.6
4 11	13 45.11	−12 25.0	1.677	2.674	2.9	21.4
4 21	13 35.65	−11 35.0	1.685	2.688	1.8	21.3
5 1	13 26.81	−10 45.4	1.721	2.701	6.2	21.6
5 11	13 19.51	−10 2.2	1.783	2.715	10.2	21.9
5 21	13 14.33	− 9 29.9	1.869	2.727	13.6	22.1

303935 2005 VV_{119} 4 16.7 355°.52 4°.3/19.1 18

3 12	14 3.50	−18 32.2	1.116	1.958	20.6	19.1
3 22	14 0.62	−19 11.7	1.045	1.954	16.5	18.8
4 1	13 54.29	−19 30.7	0.991	1.950	11.6	18.5
4 11	13 45.40	−19 28.0	0.958	1.948	6.6	18.3
4 21	13 35.35	−19 5.6	0.947	1.947	4.5	18.1
5 1	13 25.93	−18 30.0	0.959	1.947	8.5	18.3
5 11	13 18.72	−17 50.7	0.993	1.948	13.6	18.6
5 21	13 14.72	−17 16.9	1.045	1.950	18.3	18.9

500637 2012 VJ_{1} 4 16.7 100°.91 5°.5/10.9 17

3 12	14 2.30	+ 4 46.4	2.218	3.061	11.6	21.8
3 22	13 57.72	+ 5 46.5	2.157	3.069	9.0	21.6
4 1	13 51.45	+ 6 44.5	2.121	3.077	6.6	21.5
4 11	13 44.10	+ 7 34.6	2.112	3.084	5.5	21.4
4 21	13 36.41	+ 8 11.5	2.131	3.092	6.6	21.5
5 1	13 29.18	+ 8 31.6	2.176	3.099	8.9	21.6
5 11	13 23.09	+ 8 33.2	2.245	3.106	11.5	21.8
5 21	13 18.63	+ 8 16.8	2.336	3.113	13.8	22.0

286219 2001 UQ_{114} 4 16.7 98°.60 1°.6/15.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 9.40	− 8 34.1	1.511	2.348	16.3	21.4
3 22	14 3.75	− 8 4.7	1.453	2.367	12.3	21.2
4 1	13 55.51	− 7 25.4	1.417	2.386	7.6	21.0
4 11	13 45.64	− 6 41.2	1.407	2.405	2.9	20.7
4 21	13 35.31	− 5 58.2	1.423	2.423	3.2	20.8
5 1	13 25.79	− 5 22.9	1.466	2.440	7.8	21.1
5 11	13 18.13	− 5 0.2	1.534	2.457	12.1	21.4
5 21	13 12.93	− 4 52.6	1.624	2.474	15.7	21.7

408786 1999 XA_{146} 4 16.7 127°.93 0°.1/16.7 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 6.28	−12 52.4	1.826	2.647	14.6	22.5
3 22	14 1.15	−12 22.9	1.754	2.659	11.1	22.3
4 1	13 53.81	−11 40.6	1.706	2.670	7.0	22.1
4 11	13 45.02	−10 49.1	1.683	2.681	2.6	21.9
4 21	13 35.74	− 9 53.7	1.689	2.691	2.0	21.8
5 1	13 27.05	− 9 0.5	1.722	2.701	6.4	22.1
5 11	13 19.85	− 8 15.5	1.782	2.710	10.4	22.4
5 21	13 14.73	− 7 42.8	1.864	2.719	13.8	22.6

477950 2011 RT_{11} 4 16.7 176°.96 3°.0/19.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 2.19	−21 45.5	2.444	3.224	12.6	21.3
3 22	13 57.78	−21 44.9	2.354	3.224	10.1	21.2
4 1	13 51.59	−21 29.7	2.286	3.225	7.2	21.0
4 11	13 44.21	−21 0.7	2.244	3.225	4.3	20.8
4 21	13 36.35	−20 20.1	2.230	3.225	3.0	20.7
5 1	13 28.82	−19 31.8	2.245	3.225	5.0	20.8
5 11	13 22.37	−18 41.1	2.287	3.225	7.9	21.0
5 21	13 17.52	−17 52.9	2.354	3.225	10.7	21.2

459147 2012 CA_{47} 4 16.7 75°.07 1°.5/15.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 6.63	− 9 51.4	1.513	2.352	16.2	21.6
3 22	14 1.57	− 9 5.3	1.462	2.377	12.1	21.4
4 1	13 54.07	− 8 7.7	1.432	2.402	7.5	21.2
4 11	13 45.10	− 7 4.5	1.428	2.427	2.7	21.0
4 21	13 35.77	− 6 2.9	1.451	2.451	3.1	21.1
5 1	13 27.28	− 5 10.0	1.501	2.475	7.6	21.4
5 11	13 20.58	− 4 31.4	1.575	2.499	11.8	21.7
5 21	13 16.21	− 4 9.8	1.671	2.523	15.3	22.0

412852 2014 PL_{56} 4 16.7 208°.72 2°.8/14.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 5.95	− 6 11.4	1.856	2.692	13.8	22.3
3 22	14 1.00	− 5 12.9	1.772	2.687	10.4	22.1
4 1	13 53.81	− 4 5.2	1.712	2.680	6.6	21.8
4 11	13 45.07	− 2 54.1	1.678	2.673	3.2	21.6
4 21	13 35.71	− 1 46.4	1.673	2.665	4.2	21.6
5 1	13 26.76	− 0 49.1	1.695	2.657	8.1	21.8
5 11	13 19.20	− 0 7.4	1.743	2.648	12.0	22.0
5 21	13 13.67	+ 0 15.8	1.812	2.638	15.4	22.2

93977 2000 XV_{8} 4 16.7 136°.19 2°.6/19.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 6.76	−19 56.3	2.391	3.171	12.8	20.3
3 22	14 1.13	−20 1.0	2.311	3.185	10.1	20.1
4 1	13 53.65	−19 52.3	2.254	3.197	7.1	19.9
4 11	13 44.96	−19 30.9	2.224	3.209	4.0	19.7
4 21	13 35.83	−18 59.0	2.223	3.220	2.7	19.7
5 1	13 27.13	−18 20.6	2.252	3.231	5.0	19.8
5 11	13 19.63	−17 40.5	2.308	3.241	8.1	20.0
5 21	13 13.86	−17 3.4	2.389	3.251	10.9	20.2

463185 2012 BC_{117} 4 16.7 10°.94 0°.7/17.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 2.17	−13 57.5	1.268	2.116	18.2	20.6
3 22	13 59.00	−13 44.2	1.200	2.117	14.0	20.3
4 1	13 52.92	−13 13.3	1.151	2.120	9.1	20.0
4 11	13 44.81	−12 28.3	1.125	2.123	3.6	19.7
4 21	13 35.93	−11 35.5	1.124	2.127	2.3	19.7
5 1	13 27.71	−10 43.0	1.146	2.131	7.8	20.0
5 11	13 21.41	− 9 59.2	1.192	2.137	12.8	20.3
5 21	13 17.78	− 9 30.0	1.257	2.143	17.1	20.6

370112 2001 UJ_{7} 4 16.7 235°.51 3°.4/19.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 11.62	−19 58.8	2.290	3.063	13.5	21.5
3 22	14 5.27	−20 33.8	2.180	3.048	10.9	21.3
4 1	13 56.59	−20 56.9	2.093	3.032	7.8	21.1
4 11	13 46.16	−21 7.0	2.034	3.015	4.7	20.8
4 21	13 34.84	−21 4.2	2.003	2.997	3.5	20.7
5 1	13 23.67	−20 50.8	2.003	2.979	5.9	20.8
5 11	13 13.67	−20 31.2	2.030	2.960	9.2	21.0
5 21	13 5.62	−20 10.4	2.083	2.940	12.5	21.2

427431 2000 TM_{30} 4 16.7 143°.48 1°.0/15.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 6.98	− 8 15.8	2.311	3.129	12.0	22.1
3 22	14 1.23	− 7 59.9	2.235	3.140	9.0	21.9
4 1	13 53.68	− 7 37.4	2.185	3.150	5.6	21.7
4 11	13 44.96	− 7 11.6	2.162	3.160	2.1	21.5
4 21	13 35.85	− 6 45.8	2.169	3.169	2.2	21.5
5 1	13 27.17	− 6 23.8	2.206	3.178	5.8	21.8
5 11	13 19.69	− 6 8.9	2.270	3.186	9.1	22.0
5 21	13 13.92	− 6 3.5	2.358	3.193	12.0	22.2

134650 1999 VS_{29} 4 16.7 215°.79 0°.5/16.3 17 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 6.88	−11 3.3	2.068	2.886	13.3	20.9
3 22	14 1.58	−10 38.7	1.974	2.878	10.1	20.6
4 1	13 54.14	−10 3.6	1.904	2.869	6.4	20.4
4 11	13 45.21	− 9 21.0	1.861	2.859	2.3	20.1
4 21	13 35.62	− 8 35.3	1.847	2.848	2.1	20.0
5 1	13 26.37	− 7 51.7	1.861	2.837	6.3	20.3
5 11	13 18.37	− 7 15.3	1.903	2.825	10.2	20.5
5 21	13 12.28	− 6 50.0	1.968	2.812	13.6	20.7

155250 2005 WW_{57} 4 16.7 238°.57 1°.6/15.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 3.90	− 8 45.1	2.147	2.974	12.5	21.1
3 22	13 59.27	− 7 59.3	2.050	2.960	9.5	20.8
4 1	13 52.65	− 7 3.8	1.978	2.945	5.9	20.6
4 11	13 44.65	− 6 2.5	1.932	2.930	2.3	20.3
4 21	13 36.04	− 5 0.8	1.916	2.914	2.9	20.3
5 1	13 27.71	− 4 4.4	1.929	2.898	6.7	20.5
5 11	13 20.52	− 3 18.8	1.967	2.881	10.4	20.7
5 21	13 15.08	− 2 47.2	2.029	2.863	13.7	20.9

173917 2001 VE_{56} 4 16.7 76°.85 0°.2/16.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 6.94	−10 16.6	2.305	3.119	12.2	20.7
3 22	14 1.07	−10 15.3	2.245	3.146	9.2	20.6
4 1	13 53.49	−10 6.9	2.210	3.174	5.7	20.4
4 11	13 44.86	− 9 53.7	2.203	3.201	2.1	20.2
4 21	13 35.96	− 9 38.5	2.225	3.227	1.7	20.2
5 1	13 27.60	− 9 24.7	2.277	3.254	5.2	20.5
5 11	13 20.48	− 9 15.3	2.357	3.280	8.4	20.7
5 21	13 15.07	− 9 12.9	2.460	3.306	11.2	20.9

255811 2006 SB_{46} 4 16.7 256°.80 0°.1/16.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 6.31	−11 56.1	1.735	2.562	15.0	21.2
3 22	14 1.61	−11 43.4	1.641	2.549	11.6	20.9
4 1	13 54.40	−11 18.6	1.570	2.536	7.4	20.6
4 11	13 45.37	−10 44.3	1.525	2.522	2.8	20.3
4 21	13 35.48	−10 4.8	1.506	2.508	2.1	20.2
5 1	13 25.93	− 9 25.9	1.515	2.494	7.0	20.5
5 11	13 17.84	− 8 53.6	1.549	2.480	11.5	20.7
5 21	13 11.97	− 8 32.7	1.605	2.465	15.4	20.9

185111 2006 SK_{47} 4 16.7 151°.60 0°.4/16.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 6.94	−11 18.1	2.130	2.946	13.0	21.9
3 22	14 1.37	−10 52.0	2.053	2.956	9.9	21.7
4 1	13 53.85	−10 16.0	2.001	2.965	6.2	21.4
4 11	13 45.04	− 9 33.4	1.975	2.973	2.2	21.2
4 21	13 35.80	− 8 48.4	1.979	2.981	1.9	21.2
5 1	13 27.03	− 8 5.9	2.012	2.988	5.9	21.5
5 11	13 19.55	− 7 30.7	2.072	2.994	9.5	21.7
5 21	13 13.92	− 7 6.1	2.156	3.000	12.6	21.9

108911 2001 PW_{11} 4 16.7 193°.46 1°.4/15.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 3.21	− 6 44.6	2.877	3.696	9.9	20.7
3 22	13 58.16	− 6 19.8	2.788	3.693	7.4	20.5
4 1	13 51.67	− 5 50.1	2.725	3.691	4.6	20.3
4 11	13 44.23	− 5 18.3	2.691	3.687	1.9	20.1
4 21	13 36.42	− 4 47.7	2.686	3.683	2.3	20.1
5 1	13 28.87	− 4 21.4	2.712	3.679	5.2	20.3
5 11	13 22.20	− 4 2.4	2.766	3.674	8.0	20.5
5 21	13 16.84	− 3 52.5	2.845	3.668	10.4	20.7

202492 2006 BG_{65} 4 16.7 118°.32 1°.6/15.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 8.32	− 9 21.4	1.691	2.522	15.2	22.0
3 22	14 2.71	− 8 31.9	1.630	2.541	11.4	21.8
4 1	13 54.78	− 7 31.6	1.592	2.560	7.0	21.6
4 11	13 45.39	− 6 26.0	1.580	2.578	2.7	21.3
4 21	13 35.60	− 5 21.9	1.596	2.595	3.2	21.4
5 1	13 26.52	− 4 26.1	1.640	2.611	7.4	21.7
5 11	13 19.11	− 3 44.1	1.710	2.627	11.4	22.0
5 21	13 13.92	− 3 18.7	1.802	2.642	14.9	22.2

503554 2016 FP_{46} 4 16.7 358°.14 4°.1/19.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 5.56	−19 24.3	1.362	2.183	18.7	20.9
3 22	14 1.67	−19 56.6	1.285	2.181	14.9	20.7
4 1	13 54.72	−20 10.1	1.227	2.180	10.6	20.4
4 11	13 45.55	−20 3.7	1.192	2.180	6.1	20.2
4 21	13 35.40	−19 39.6	1.181	2.179	4.2	20.0
5 1	13 25.81	−19 3.1	1.195	2.180	7.6	20.2
5 11	13 18.14	−18 22.8	1.233	2.181	12.2	20.5
5 21	13 13.28	−17 46.5	1.291	2.183	16.4	20.7

10543 Klee 4 16.7 194°.85 1°.3/17.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 9.51	−15 5.6	1.858	2.666	14.9	18.8
3 22	14 3.83	−15 4.3	1.770	2.664	11.6	18.6
4 1	13 55.69	−14 49.7	1.704	2.661	7.7	18.3
4 11	13 45.82	−14 23.3	1.664	2.658	3.4	18.1
4 21	13 35.22	−13 48.4	1.652	2.654	2.0	17.9
5 1	13 25.03	−13 9.9	1.668	2.649	6.3	18.2
5 11	13 16.34	−12 34.0	1.711	2.644	10.5	18.4
5 21	13 9.86	−12 5.6	1.777	2.637	14.2	18.7

422320 2014 SW_{191} 4 16.7 254°.68 1°.1/15.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 6.89	− 9 24.1	1.532	2.371	16.1	21.5
3 22	14 2.25	− 9 5.7	1.449	2.364	12.2	21.2
4 1	13 54.89	− 8 36.2	1.388	2.357	7.7	20.9
4 11	13 45.57	− 7 59.6	1.351	2.350	2.8	20.6
4 21	13 35.41	− 7 21.2	1.341	2.342	2.9	20.6
5 1	13 25.71	− 6 47.5	1.357	2.335	7.9	20.9
5 11	13 17.68	− 6 24.4	1.398	2.327	12.6	21.1
5 21	13 12.12	− 6 15.8	1.459	2.319	16.7	21.3

83379 2001 SQ_{13} 4 16.7 110°.55 2°.6/13.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 0.25	− 5 52.9	2.193	3.032	11.9	19.4
3 22	13 56.31	− 4 50.1	2.118	3.034	8.8	19.2
4 1	13 50.65	− 3 40.4	2.068	3.037	5.6	19.0
4 11	13 43.88	− 2 28.9	2.045	3.040	2.8	18.9
4 21	13 36.72	− 1 21.5	2.051	3.042	3.8	18.9
5 1	13 29.94	− 0 23.7	2.085	3.045	7.0	19.1
5 11	13 24.27	+ 0 20.1	2.145	3.047	10.2	19.3
5 21	13 20.19	+ 0 47.7	2.227	3.050	13.0	19.5

14071 Gadabird 4 16.7 262°.14 1°.6/15.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 2.24	− 7 58.5	2.064	2.898	12.7	18.6
3 22	13 58.00	− 7 22.4	1.980	2.893	9.5	18.4
4 1	13 51.83	− 6 38.1	1.919	2.888	6.0	18.2
4 11	13 44.35	− 5 49.6	1.886	2.883	2.4	17.9
4 21	13 36.35	− 5 1.9	1.880	2.878	2.9	18.0
5 1	13 28.71	− 4 20.3	1.902	2.873	6.6	18.2
5 11	13 22.25	− 3 49.3	1.950	2.868	10.3	18.4
5 21	13 17.54	− 3 31.6	2.021	2.862	13.4	18.6

140612 2001 UU_6 4 16.7 121°.72 0°.1/16.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 1.59	−13 2.5	2.408	3.223	11.7	19.9
3 22	13 57.19	−12 34.4	2.329	3.230	8.9	19.7
4 1	13 51.16	−11 56.3	2.274	3.237	5.7	19.5
4 11	13 44.06	−11 11.0	2.247	3.244	2.1	19.3
4 21	13 36.59	−10 22.4	2.248	3.250	1.5	19.2
5 1	13 29.49	− 9 34.9	2.279	3.257	5.1	19.5
5 11	13 23.45	− 8 53.0	2.336	3.263	8.3	19.7
5 21	13 18.94	− 8 20.1	2.418	3.269	11.2	19.9

185224 2006 TG_{70} 4 16.7 70°.28 0°.3/16.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 6.46	−11 24.2	2.233	3.046	12.6	20.1
3 22	14 0.90	−11 33.4	2.164	3.064	9.5	19.9
4 1	13 53.50	−11 34.8	2.120	3.082	6.1	19.7
4 11	13 44.92	−11 30.2	2.103	3.100	2.3	19.5
4 21	13 35.98	−11 22.0	2.115	3.118	1.6	19.5
5 1	13 27.51	−11 13.5	2.157	3.136	5.2	19.8
5 11	13 20.30	−11 8.0	2.225	3.153	8.6	20.0
5 21	13 14.83	−11 8.0	2.318	3.171	11.5	20.2

523526 2017 OB_{60} 4 16.7 133°.60 0°.5/17.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 4.36	−13 43.8	2.000	2.817	13.7	22.1
3 22	13 59.64	−13 26.8	1.921	2.822	10.5	21.9
4 1	13 52.88	−12 57.7	1.865	2.827	6.7	21.7
4 11	13 44.74	−12 19.3	1.835	2.831	2.7	21.5
4 21	13 36.10	−11 35.6	1.833	2.836	1.7	21.4
5 1	13 27.91	−10 51.8	1.859	2.840	5.8	21.7
5 11	13 21.03	−10 13.3	1.912	2.844	9.6	21.9
5 21	13 16.04	− 9 44.1	1.988	2.848	12.9	22.1

351913 2006 SM_{358} 4 16.7 138°.94 3°.1/20.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 4.69	−21 58.9	2.619	3.389	12.1	21.6
3 22	13 59.52	−22 10.8	2.533	3.397	9.7	21.4
4 1	13 52.65	−22 9.5	2.471	3.405	7.0	21.2
4 11	13 44.63	−21 55.3	2.435	3.413	4.4	21.1
4 21	13 36.18	−21 29.8	2.428	3.420	3.1	21.0
5 1	13 28.07	−20 56.3	2.450	3.427	4.8	21.1
5 11	13 21.02	−20 19.1	2.500	3.434	7.5	21.3
5 21	13 15.54	−19 42.7	2.575	3.440	10.1	21.5

55356 2001 SY_{157} 4 16.7 95°.51 1°.1/17.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 2.01	−16 40.7	2.345	3.148	12.4	19.8
3 22	13 57.53	−16 13.5	2.271	3.163	9.5	19.6
4 1	13 51.36	−15 33.6	2.222	3.178	6.3	19.4
4 11	13 44.14	−14 43.7	2.199	3.193	2.8	19.2
4 21	13 36.58	−13 47.6	2.206	3.208	1.6	19.2
5 1	13 29.46	−12 50.3	2.241	3.222	4.9	19.4
5 11	13 23.47	−11 56.9	2.304	3.237	8.1	19.6
5 21	13 19.07	−11 11.5	2.391	3.251	11.0	19.8

97568 2000 DZ_{94} 4 16.7 41°.66 2°.0/14.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 0.27	− 5 34.9	2.440	3.274	11.0	19.1
3 22	13 56.16	− 5 1.1	2.364	3.278	8.2	18.9
4 1	13 50.50	− 4 22.3	2.314	3.282	5.1	18.7
4 11	13 43.83	− 3 42.5	2.291	3.286	2.4	18.5
4 21	13 36.81	− 3 5.6	2.296	3.291	3.0	18.6
5 1	13 30.13	− 2 35.5	2.330	3.295	6.0	18.8
5 11	13 24.45	− 2 15.4	2.391	3.300	9.0	19.0
5 21	13 20.21	− 2 7.0	2.475	3.305	11.6	19.2

70063 1999 JT_{43} 4 16.7 242°.37 1°.3/17.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 8.49	−14 38.5	1.793	2.607	15.2	19.3
3 22	14 3.29	−14 40.0	1.695	2.593	11.8	19.0
4 1	13 55.51	−14 28.4	1.620	2.579	7.8	18.8
4 11	13 45.84	−14 4.9	1.570	2.565	3.4	18.5
4 21	13 35.24	−13 32.5	1.547	2.549	2.1	18.3
5 1	13 24.94	−12 56.4	1.552	2.534	6.6	18.6
5 11	13 16.08	−12 22.6	1.584	2.518	11.0	18.8
5 21	13 9.50	−11 56.6	1.638	2.501	15.0	19.0

234863 2002 RD_{262} 4 16.7 197°.23 0°.5/16.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 0.95	−12 20.9	2.169	2.992	12.5	21.1
3 22	13 56.94	−11 32.1	2.085	2.992	9.5	20.9
4 1	13 51.11	−10 31.3	2.025	2.991	6.0	20.7
4 11	13 44.09	− 9 22.5	1.992	2.990	2.1	20.4
4 21	13 36.61	− 8 10.9	1.987	2.988	2.0	20.4
5 1	13 29.51	− 7 2.7	2.011	2.987	5.9	20.7
5 11	13 23.54	− 6 3.3	2.062	2.986	9.4	20.9
5 21	13 19.24	− 5 16.9	2.137	2.984	12.6	21.1

56869 2000 QS_{102} 4 16.7 228°.17 4°.1/11.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	13 59.97	+ 0 50.4	2.646	3.485	10.1	19.6
3 22	13 55.88	+ 2 3.2	2.563	3.477	7.6	19.4
4 1	13 50.32	+ 3 18.3	2.507	3.468	5.3	19.2
4 11	13 43.77	+ 4 30.4	2.478	3.458	4.1	19.1
4 21	13 36.85	+ 5 34.3	2.479	3.449	5.2	19.2
5 1	13 30.19	+ 6 25.5	2.508	3.439	7.5	19.3
5 11	13 24.41	+ 7 1.0	2.563	3.429	10.1	19.5
5 21	13 19.97	+ 7 19.5	2.640	3.418	12.4	19.6

17831 Ussery 4 16.7 123°.43 1°.3/15.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 3.76	− 9 10.7	1.930	2.762	13.5	18.6
3 22	13 59.19	− 8 34.4	1.856	2.768	10.2	18.4
4 1	13 52.59	− 7 48.7	1.805	2.773	6.3	18.2
4 11	13 44.64	− 6 57.9	1.780	2.778	2.4	17.9
4 21	13 36.21	− 6 7.3	1.784	2.783	2.7	18.0
5 1	13 28.27	− 5 22.4	1.815	2.788	6.7	18.2
5 11	13 21.65	− 4 48.1	1.872	2.793	10.4	18.5
5 21	13 16.92	− 4 27.4	1.952	2.797	13.7	18.7

499532 2010 RP_{73} 4 16.7 241°.24 1°.2/15.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 6.84	− 9 19.4	1.862	2.690	14.1	22.4
3 22	14 1.85	− 8 50.4	1.766	2.676	10.8	22.1
4 1	13 54.50	− 8 10.9	1.694	2.661	6.8	21.9
4 11	13 45.43	− 7 24.6	1.647	2.645	2.5	21.6
4 21	13 35.57	− 6 36.7	1.629	2.629	2.8	21.5
5 1	13 26.02	− 5 53.0	1.638	2.612	7.2	21.8
5 11	13 17.82	− 5 19.4	1.674	2.594	11.4	22.0
5 21	13 11.71	− 4 59.4	1.731	2.576	15.2	22.2

247616 2002 TF_{300} 4 16.7 102°.95 8°.1/ 9.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 4.69	− 3 26.3	1.116	1.986	18.5	19.4
3 22	14 0.85	− 0 1.7	1.069	2.000	13.9	19.1
4 1	13 53.98	+ 3 35.9	1.045	2.014	9.6	18.9
4 11	13 45.18	+ 7 5.5	1.048	2.028	8.2	18.9
4 21	13 35.87	+10 6.7	1.077	2.042	10.9	19.1
5 1	13 27.54	+12 24.6	1.129	2.055	15.0	19.4
5 11	13 21.37	+13 54.2	1.202	2.067	19.0	19.6
5 21	13 17.99	+14 38.2	1.291	2.079	22.4	19.9

5501 1982 FF_2 4 16.7 14°.40 1°.6/17.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 0.75	−16 58.5	1.257	2.099	18.7	16.7
3 22	13 57.97	−16 36.5	1.189	2.102	14.5	16.4
4 1	13 52.30	−15 52.5	1.141	2.105	9.6	16.1
4 11	13 44.64	−14 49.7	1.115	2.110	4.3	15.8
4 21	13 36.23	−13 35.3	1.113	2.115	2.4	15.7
5 1	13 28.50	−12 18.8	1.135	2.122	7.5	16.1
5 11	13 22.68	−11 10.4	1.180	2.129	12.6	16.3
5 21	13 19.52	−10 17.6	1.246	2.137	16.9	16.6

276560 2003 SA_{192} 4 16.7 265°.28 3°.8/20.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 1.84	−24 32.4	2.075	2.853	14.6	19.9
3 22	13 57.94	−24 14.9	1.977	2.844	11.9	19.7
4 1	13 51.93	−23 36.9	1.900	2.835	8.7	19.4
4 11	13 44.45	−22 38.9	1.847	2.825	5.5	19.2
4 21	13 36.35	−21 23.9	1.822	2.816	3.8	19.1
5 1	13 28.60	−19 58.0	1.825	2.806	5.8	19.2
5 11	13 22.12	−18 28.8	1.854	2.797	9.2	19.4
5 21	13 17.53	−17 4.0	1.909	2.787	12.5	19.6

251653 1991 TH_{15} 4 16.7 176°.87 0°.4/16.3 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 7.56	−10 45.2	2.114	2.930	13.1	21.4
3 22	14 1.96	−10 25.4	2.030	2.932	9.9	21.2
4 1	13 54.32	− 9 56.3	1.970	2.934	6.3	21.0
4 11	13 45.30	− 9 20.6	1.938	2.936	2.3	20.7
4 21	13 35.75	− 8 42.5	1.934	2.936	2.0	20.7
5 1	13 26.62	− 8 6.7	1.960	2.936	6.0	21.0
5 11	13 18.78	− 7 37.8	2.013	2.935	9.7	21.2
5 21	13 12.80	− 7 19.0	2.090	2.933	13.0	21.4

66795 1999 TP_{248} 4 16.7 194°.53 0°.3/16.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 2.53	−12 30.0	2.511	3.324	11.4	20.9
3 22	13 57.91	−11 45.9	2.421	3.321	8.6	20.7
4 1	13 51.64	−10 51.3	2.355	3.318	5.4	20.5
4 11	13 44.29	− 9 49.4	2.317	3.315	2.0	20.3
4 21	13 36.52	− 8 44.5	2.309	3.311	1.7	20.2
5 1	13 29.06	− 7 41.7	2.331	3.306	5.2	20.5
5 11	13 22.61	− 6 45.9	2.381	3.301	8.5	20.7
5 21	13 17.65	− 6 0.7	2.455	3.295	11.4	20.8

156535 2002 CT_{294} 4 16.7 77°.74 8°.8/ 8.8 17

3 12	14 4.89	+11 34.9	1.791	2.635	13.9	19.8
3 22	14 0.12	+12 52.5	1.737	2.639	11.4	19.6
4 1	13 53.19	+14 1.8	1.706	2.643	9.4	19.5
4 11	13 44.88	+14 54.3	1.700	2.647	8.9	19.5
4 21	13 36.13	+15 23.5	1.720	2.651	10.1	19.5
5 1	13 27.98	+15 25.8	1.763	2.655	12.4	19.7
5 11	13 21.31	+15 1.4	1.828	2.659	14.9	19.9
5 21	13 16.68	+14 13.1	1.911	2.663	17.3	20.0

479774 2014 EM_{32} 4 16.7 3°.20 3°.5/12.8 17

3 12	13 59.32	− 3 8.8	2.196	3.040	11.6	21.0
3 22	13 55.64	− 2 0.4	2.121	3.040	8.7	20.8
4 1	13 50.27	− 0 46.8	2.072	3.040	5.6	20.6
4 11	13 43.80	+ 0 26.1	2.050	3.040	3.5	20.5
4 21	13 36.92	+ 1 32.4	2.056	3.041	4.6	20.6
5 1	13 30.42	+ 2 26.6	2.090	3.041	7.6	20.8
5 11	13 24.99	+ 3 5.0	2.149	3.041	10.6	20.9
5 21	13 21.12	+ 3 25.7	2.230	3.042	13.3	21.1

233447 2006 HU_{107} 4 16.7 29°.23 3°.4/13.9 18

3 12	14 2.71	− 3 43.3	1.668	2.519	14.4	20.0
3 22	13 58.64	− 3 1.6	1.604	2.525	10.8	19.8
4 1	13 52.34	− 2 14.6	1.561	2.532	6.9	19.6
4 11	13 44.59	− 1 28.4	1.545	2.539	3.7	19.4
4 21	13 36.35	− 0 49.1	1.555	2.546	4.7	19.5
5 1	13 28.67	− 0 22.2	1.591	2.554	8.4	19.7
5 11	13 22.47	− 0 11.3	1.651	2.562	12.1	20.0
5 21	13 18.34	− 0 17.6	1.732	2.571	15.4	20.2

347544 2000 EJ_7 4 16.7 130°.09 1°.7/17.9 18

3 12	14 9.94	−16 36.0	1.647	2.457	16.4	22.0
3 22	14 4.23	−16 24.9	1.577	2.471	12.8	21.8
4 1	13 55.94	−15 57.2	1.528	2.485	8.4	21.6
4 11	13 45.93	−15 15.2	1.504	2.498	3.8	21.3
4 21	13 35.36	−14 23.3	1.508	2.510	2.2	21.2
5 1	13 25.46	−13 28.3	1.540	2.522	6.5	21.5
5 11	13 17.33	−12 37.5	1.597	2.533	10.9	21.8
5 21	13 11.64	−11 56.7	1.677	2.543	14.6	22.1

372580 2009 UJ_{96} 4 16.7 115°.40 0°.7/16.1 17

3 12	14 4.34	−11 14.7	2.045	2.868	13.2	22.5
3 22	13 59.47	−10 36.0	1.975	2.882	9.9	22.3
4 1	13 52.68	− 9 46.9	1.930	2.896	6.2	22.1
4 11	13 44.68	− 8 51.4	1.911	2.909	2.2	21.9
4 21	13 36.29	− 7 54.4	1.921	2.922	2.1	21.9
5 1	13 28.42	− 7 1.6	1.959	2.934	6.0	22.2
5 11	13 21.84	− 6 18.0	2.024	2.947	9.7	22.4
5 21	13 17.08	− 5 46.9	2.112	2.958	12.8	22.6

311606 2006 MW_7 4 16.7 106°.25 5°.5/21.3 18

3 12	14 6.29	−26 10.1	1.642	2.421	17.8	20.7
3 22	14 1.77	−26 21.8	1.564	2.428	14.6	20.5
4 1	13 54.55	−26 9.6	1.506	2.435	11.0	20.3
4 11	13 45.47	−25 32.6	1.471	2.442	7.4	20.1
4 21	13 35.68	−24 33.2	1.461	2.449	5.5	20.0
5 1	13 26.49	−23 18.0	1.477	2.456	7.2	20.1
5 11	13 19.06	−21 56.4	1.519	2.463	10.7	20.3
5 21	13 14.13	−20 37.6	1.584	2.469	14.2	20.6

38899 2000 SG_{157} 4 16.7 2°.65 0°.6/16.3 18

3 12	14 4.62	−11 17.6	1.373	2.219	17.2	19.3
3 22	14 0.71	−10 51.9	1.300	2.218	13.1	19.1
4 1	13 53.98	−10 11.7	1.248	2.218	8.3	18.8
4 11	13 45.28	− 9 21.4	1.220	2.218	3.0	18.5
4 21	13 35.81	− 8 27.6	1.217	2.219	2.7	18.4
5 1	13 26.94	− 7 38.1	1.239	2.219	8.0	18.8
5 11	13 19.89	− 7 0.3	1.284	2.220	12.9	19.0
5 21	13 15.43	− 6 38.7	1.350	2.221	17.1	19.3

505150 2012 PW_9 4 16.7 210°.67 2°.4/19.3 17

3 12	14 3.55	−20 37.5	2.451	3.233	12.5	22.4
3 22	13 58.85	−20 24.7	2.352	3.227	9.9	22.2
4 1	13 52.34	−19 57.2	2.277	3.221	7.0	22.0
4 11	13 44.59	−19 16.1	2.229	3.214	3.9	21.8
4 21	13 36.32	−18 24.0	2.209	3.207	2.5	21.7
5 1	13 28.35	−17 25.4	2.218	3.199	4.9	21.9
5 11	13 21.44	−16 25.7	2.255	3.191	8.1	22.1
5 21	13 16.16	−15 30.2	2.317	3.182	11.1	22.2

414057 2007 RK_{284} 4 16.7 279°.71 2°.8/18.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 6.43	−17 45.6	1.504	2.323	17.3	21.7
3 22	14 2.29	−17 56.0	1.408	2.306	13.8	21.4
4 1	13 55.19	−17 48.7	1.332	2.288	9.5	21.1
4 11	13 45.83	−17 23.9	1.280	2.271	4.9	20.8
4 21	13 35.32	−16 44.0	1.253	2.253	3.1	20.7
5 1	13 25.09	−15 55.0	1.251	2.236	7.4	20.9
5 11	13 16.53	−15 5.2	1.274	2.218	12.3	21.1
5 21	13 10.62	−14 22.4	1.318	2.200	16.8	21.3

500486 2012 TZ_{255} 4 16.7 141°.24 1°.7/14.6 17

3 12	14 2.28	− 6 30.1	2.735	3.558	10.2	22.8
3 22	13 57.47	− 5 46.9	2.662	3.570	7.6	22.6
4 1	13 51.24	− 4 58.4	2.614	3.581	4.7	22.5
4 11	13 44.12	− 4 8.4	2.596	3.592	2.1	22.3
4 21	13 36.71	− 3 20.7	2.608	3.602	2.7	22.4
5 1	13 29.66	− 2 39.3	2.649	3.612	5.5	22.5
5 11	13 23.55	− 2 7.2	2.718	3.621	8.2	22.7
5 21	13 18.79	− 1 46.4	2.811	3.630	10.7	22.9

388841 2008 ES_{25} 4 16.7 12°.12 4°.2/20.4 17

3 12	14 1.97	−22 39.2	1.892	2.684	15.3	20.2
3 22	13 58.15	−22 59.8	1.812	2.687	12.4	20.0
4 1	13 52.12	−23 2.9	1.752	2.691	9.1	19.8
4 11	13 44.55	−22 48.2	1.717	2.695	5.8	19.6
4 21	13 36.36	−22 17.8	1.707	2.700	4.2	19.5
5 1	13 28.61	−21 36.0	1.725	2.705	6.2	19.6
5 11	13 22.24	−20 49.3	1.768	2.711	9.4	19.8
5 21	13 17.90	−20 3.9	1.834	2.718	12.7	20.0

175362 2005 QD_{101} 4 16.7 322°.38 1°.5/18.2 17

3 12	14 0.68	−16 58.2	2.080	2.891	13.4	20.4
3 22	13 56.96	−16 43.4	1.988	2.883	10.5	20.2
4 1	13 51.27	−16 14.4	1.919	2.876	7.0	19.9
4 11	13 44.22	−15 33.1	1.876	2.869	3.3	19.7
4 21	13 36.60	−14 43.0	1.860	2.862	1.9	19.6
5 1	13 29.31	−13 49.4	1.872	2.856	5.4	19.8
5 11	13 23.19	−12 58.1	1.911	2.849	9.2	20.0
5 21	13 18.84	−12 14.3	1.972	2.843	12.5	20.2

201500 2003 LV_2 4 16.7 158°.07 5°.9/11.8 17

3 12	14 7.13	+ 5 52.4	2.023	2.861	12.7	20.2
3 22	14 1.61	+ 6 32.3	1.955	2.863	10.0	20.0
4 1	13 54.07	+ 7 8.5	1.912	2.865	7.3	19.8
4 11	13 45.21	+ 7 35.2	1.895	2.867	5.9	19.7
4 21	13 35.92	+ 7 47.5	1.905	2.869	7.0	19.8
5 1	13 27.13	+ 7 42.2	1.942	2.871	9.5	20.0
5 11	13 19.67	+ 7 18.3	2.004	2.872	12.4	20.1
5 21	13 14.12	+ 6 37.1	2.087	2.873	15.0	20.3

507520 2012 VF_{73} 4 16.7 183°.99 4°.7/11.7 17

3 12	14 4.80	+ 5 2.1	2.586	3.417	10.5	22.5
3 22	13 59.47	+ 5 40.6	2.512	3.418	8.1	22.3
4 1	13 52.57	+ 6 16.9	2.464	3.417	5.9	22.2
4 11	13 44.64	+ 6 46.3	2.444	3.417	4.8	22.1
4 21	13 36.35	+ 7 5.0	2.452	3.416	5.6	22.2
5 1	13 28.42	+ 7 10.1	2.489	3.414	7.8	22.3
5 11	13 21.50	+ 7 0.2	2.551	3.413	10.2	22.5
5 21	13 16.06	+ 6 35.7	2.636	3.411	12.5	22.6

5651 Traversa 4 16.7 198°.26 4°.9/10.2 18

3 12	14 0.43	+ 5 8.9	2.789	3.626	9.7	17.3
3 22	13 56.13	+ 6 17.3	2.715	3.623	7.5	17.1
4 1	13 50.44	+ 7 24.5	2.668	3.620	5.6	17.0
4 11	13 43.85	+ 8 25.5	2.650	3.617	4.9	16.9
4 21	13 36.92	+ 9 15.7	2.659	3.613	5.9	17.0
5 1	13 30.29	+ 9 51.4	2.697	3.609	7.9	17.1
5 11	13 24.52	+10 10.6	2.760	3.604	10.1	17.2
5 21	13 20.03	+10 13.1	2.844	3.599	12.1	17.4

70676 1999 UM 4 16.7 92°.51 0°.6/17.2 18

3 12	14 7.55	−13 48.0	1.621	2.445	16.0	19.9
3 22	14 2.38	−13 34.1	1.556	2.461	12.3	19.7
4 1	13 54.74	−13 6.2	1.513	2.477	7.9	19.4
4 11	13 45.49	−12 27.4	1.495	2.492	3.1	19.2
4 21	13 35.74	−11 42.7	1.505	2.507	2.0	19.1
5 1	13 26.67	−10 58.3	1.541	2.522	6.6	19.4
5 11	13 19.31	−10 20.5	1.602	2.537	10.9	19.7
5 21	13 14.28	− 9 53.8	1.686	2.551	14.5	20.0

426519 2013 RN_{46} 4 16.7 113°.56 2°.4/18.8 17

3 12	14 6.26	−18 29.7	2.000	2.798	14.4	21.7
3 22	14 1.12	−18 31.6	1.924	2.809	11.3	21.5
4 1	13 53.85	−18 18.8	1.870	2.820	7.7	21.3
4 11	13 45.16	−17 52.5	1.842	2.831	4.1	21.1
4 21	13 35.96	−17 15.5	1.842	2.842	2.5	21.0
5 1	13 27.27	−16 32.8	1.870	2.852	5.6	21.2
5 11	13 19.96	−15 50.2	1.924	2.862	9.2	21.4
5 21	13 14.65	−15 12.8	2.003	2.871	12.4	21.6

1792 Reni 4 16.7 156°.76 2°.7/13.8 18 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 4.71	− 2 33.6	2.661	3.487	10.4	17.5
3 22	13 59.33	− 1 55.4	2.587	3.496	7.8	17.4
4 1	13 52.43	− 1 14.5	2.539	3.504	5.0	17.2
4 11	13 44.58	− 0 34.8	2.520	3.511	2.9	17.1
4 21	13 36.41	− 0 0.1	2.531	3.518	3.6	17.1
5 1	13 28.60	+ 0 26.1	2.571	3.524	6.2	17.3
5 11	13 21.79	+ 0 41.2	2.639	3.530	8.9	17.5
5 21	13 16.42	+ 0 44.2	2.730	3.535	11.3	17.7

93189 2000 SZ_{110} 4 16.7 220°.16 0°.5/17.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 7.00	−12 51.2	2.208	3.017	12.8	20.1
3 22	14 1.61	−12 49.6	2.112	3.009	9.9	19.9
4 1	13 54.19	−12 38.3	2.041	3.001	6.4	19.6
4 11	13 45.32	−12 19.1	1.996	2.992	2.6	19.4
4 21	13 35.82	−11 54.8	1.981	2.983	1.6	19.3
5 1	13 26.61	−11 29.2	1.994	2.974	5.6	19.5
5 11	13 18.58	−11 6.7	2.035	2.963	9.3	19.7
5 21	13 12.36	−10 51.1	2.100	2.953	12.6	19.9

464821 2004 TD_{107} 4 16.7 263°.13 2°.3/14.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 6.87	− 4 59.3	2.046	2.877	12.9	21.4
3 22	14 1.71	− 4 38.8	1.946	2.857	9.8	21.2
4 1	13 54.36	− 4 13.0	1.870	2.837	6.3	20.9
4 11	13 45.42	− 3 45.6	1.821	2.816	2.9	20.6
4 21	13 35.72	− 3 21.0	1.800	2.795	3.5	20.6
5 1	13 26.26	− 3 3.7	1.807	2.774	7.3	20.8
5 11	13 17.98	− 2 57.5	1.841	2.752	11.1	21.0
5 21	13 11.61	− 3 4.4	1.897	2.730	14.5	21.2

297750 2001 XL_{60} 4 16.7 131°.33 4°.3/13.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 7.24	− 2 29.8	1.577	2.424	15.3	20.6
3 22	14 2.16	− 1 32.0	1.513	2.432	11.5	20.3
4 1	13 54.62	− 0 29.2	1.472	2.441	7.5	20.1
4 11	13 45.46	+ 0 31.4	1.457	2.448	4.5	20.0
4 21	13 35.77	+ 1 22.3	1.469	2.456	5.7	20.0
5 1	13 26.75	+ 1 57.2	1.507	2.463	9.5	20.3
5 11	13 19.40	+ 2 12.5	1.568	2.469	13.3	20.5
5 21	13 14.37	+ 2 7.3	1.650	2.475	16.7	20.7

331145 2010 VJ_{201} 4 16.7 224°.60 15°.9/ 8.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 21.07	+23 15.0	1.266	2.082	20.1	20.4
3 22	14 13.48	+24 27.0	1.212	2.077	17.9	20.2
4 1	14 2.16	+25 14.3	1.176	2.072	16.3	20.1
4 11	13 48.31	+25 22.8	1.161	2.067	15.9	20.1
4 21	13 33.69	+24 44.2	1.168	2.061	17.1	20.1
5 1	13 20.21	+23 17.5	1.195	2.055	19.3	20.2
5 11	13 9.42	+21 9.8	1.241	2.048	21.9	20.4
5 21	13 2.11	+18 32.0	1.303	2.041	24.5	20.6

215577 2003 FL_{81} 4 16.7 351°.54 4°.1/13.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 1.92	− 0 14.3	1.935	2.784	12.8	19.9
3 22	13 57.85	+ 0 22.4	1.861	2.780	9.7	19.7
4 1	13 51.79	+ 1 0.7	1.811	2.777	6.5	19.5
4 11	13 44.41	+ 1 35.4	1.786	2.775	4.2	19.4
4 21	13 36.53	+ 2 1.1	1.789	2.773	5.3	19.4
5 1	13 29.07	+ 2 13.7	1.818	2.771	8.3	19.6
5 11	13 22.85	+ 2 10.6	1.872	2.770	11.6	19.8
5 21	13 18.46	+ 1 51.2	1.947	2.769	14.6	20.0

41788 2000 VS_{60} 4 16.7 164°.85 0°.9/15.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 6.57	−10 56.5	1.890	2.714	14.1	19.6
3 22	14 1.40	−10 16.5	1.812	2.719	10.7	19.3
4 1	13 54.05	− 9 25.0	1.758	2.724	6.7	19.1
4 11	13 45.25	− 8 26.1	1.730	2.728	2.4	18.8
4 21	13 35.91	− 7 25.3	1.730	2.731	2.4	18.8
5 1	13 27.08	− 6 29.0	1.759	2.734	6.7	19.1
5 11	13 19.67	− 5 43.0	1.814	2.736	10.6	19.4
5 21	13 14.28	− 5 11.0	1.892	2.737	14.1	19.6

38737 2000 QN_{146} 4 16.7 250°.58 1°.4/15.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 7.48	− 8 38.2	1.576	2.413	15.7	19.6
3 22	14 2.68	− 8 19.9	1.490	2.405	12.0	19.3
4 1	13 55.19	− 7 51.5	1.427	2.396	7.6	19.0
4 11	13 45.77	− 7 17.0	1.389	2.387	2.8	18.7
4 21	13 35.48	− 6 41.6	1.377	2.378	3.0	18.7
5 1	13 25.63	− 6 11.5	1.392	2.368	7.9	19.0
5 11	13 17.40	− 5 52.3	1.432	2.359	12.5	19.2
5 21	13 11.59	− 5 47.5	1.492	2.349	16.6	19.4

73875 1997 BS_{4} 4 16.7 188°.33 0°.8/16.0 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 5.90	−11 1.2	1.987	2.809	13.6	20.5
3 22	14 0.86	−10 22.8	1.903	2.809	10.3	20.3
4 1	13 53.71	− 9 33.0	1.842	2.808	6.5	20.1
4 11	13 45.13	− 8 35.7	1.808	2.806	2.3	19.8
4 21	13 35.99	− 7 36.2	1.803	2.804	2.3	19.8
5 1	13 27.28	− 6 40.4	1.826	2.801	6.5	20.0
5 11	13 19.88	− 5 54.1	1.876	2.797	10.4	20.3
5 21	13 14.41	− 5 21.0	1.949	2.793	13.8	20.5

120600 1995 UE_{56} 4 16.7 248°.80 1°.2/17.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 6.54	−15 16.1	1.480	2.307	17.1	20.7
3 22	14 2.22	−15 2.5	1.393	2.298	13.4	20.4
4 1	13 55.03	−14 31.3	1.327	2.290	8.8	20.1
4 11	13 45.74	−13 44.7	1.285	2.281	3.8	19.8
4 21	13 35.50	−12 47.7	1.269	2.272	2.2	19.7
5 1	13 25.71	−11 47.8	1.279	2.262	7.4	19.9
5 11	13 17.66	−10 53.5	1.313	2.252	12.4	20.2
5 21	13 12.20	−10 11.7	1.368	2.242	16.7	20.4

464799 2004 JZ_{32} 4 16.7 287°.55 0°.4/17.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 3.18	−15 35.3	1.862	2.680	14.5	21.1
3 22	13 59.34	−14 47.1	1.743	2.645	11.3	20.8
4 1	13 53.11	−13 39.4	1.646	2.609	7.4	20.5
4 11	13 45.04	−12 14.8	1.576	2.573	2.9	20.1
4 21	13 35.98	−10 38.7	1.533	2.536	2.0	20.0
5 1	13 27.03	− 8 59.3	1.519	2.498	6.9	20.2
5 11	13 19.29	− 7 25.9	1.530	2.461	11.6	20.4
5 21	13 13.60	− 6 6.4	1.565	2.422	15.9	20.6

51361 2000 SS_{124} 4 16.7 179°.55 3°.0/13.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 3.25	− 0 34.5	2.765	3.594	10.0	18.8
3 22	13 58.24	− 0 5.1	2.685	3.595	7.5	18.7
4 1	13 51.77	+ 0 25.5	2.632	3.596	4.9	18.5
4 11	13 44.35	+ 0 53.6	2.607	3.596	3.1	18.4
4 21	13 36.59	+ 1 16.0	2.612	3.596	3.9	18.4
5 1	13 29.15	+ 1 29.4	2.646	3.595	6.3	18.6
5 11	13 22.61	+ 1 32.1	2.707	3.595	8.9	18.7
5 21	13 17.43	+ 1 23.1	2.791	3.594	11.2	18.9

348838 2006 RO_{121} 4 16.7 111°.84 1°.2/15.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 0.41	− 9 44.4	2.383	3.209	11.5	20.8
3 22	13 56.32	− 8 52.1	2.307	3.217	8.6	20.6
4 1	13 50.64	− 7 51.0	2.257	3.224	5.3	20.4
4 11	13 43.95	− 6 45.4	2.234	3.232	2.0	20.2
4 21	13 36.91	− 5 40.1	2.241	3.239	2.4	20.3
5 1	13 30.25	− 4 40.3	2.276	3.247	5.7	20.5
5 11	13 24.63	− 3 50.4	2.339	3.254	8.9	20.7
5 21	13 20.50	− 3 13.4	2.425	3.261	11.6	20.9

317963 2003 YM_{36} 4 16.7 277°.66 21°.8/ 2.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 20.12	+32 41.9	1.089	1.891	23.6	20.4
3 22	14 13.39	+34 31.2	1.052	1.885	22.4	20.3
4 1	14 2.32	+35 42.8	1.030	1.879	21.9	20.2
4 11	13 48.39	+35 59.7	1.024	1.873	22.2	20.2
4 21	13 33.70	+35 13.0	1.033	1.867	23.3	20.2
5 1	13 20.53	+33 23.3	1.058	1.861	25.1	20.3
5 11	13 10.55	+30 40.6	1.097	1.855	27.1	20.5
5 21	13 4.52	+27 19.3	1.148	1.849	29.0	20.6

367497 2009 HU_{48} 4 16.7 106°.46 2°.8/14.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 4.42	− 7 5.9	1.609	2.454	15.1	20.9
3 22	14 0.01	− 6 2.4	1.544	2.463	11.3	20.7
4 1	13 53.25	− 4 48.8	1.501	2.472	7.1	20.5
4 11	13 44.96	− 3 32.0	1.485	2.481	3.3	20.3
4 21	13 36.17	− 2 19.8	1.495	2.489	4.3	20.3
5 1	13 28.01	− 1 19.7	1.532	2.498	8.4	20.6
5 11	13 21.42	− 0 37.3	1.593	2.506	12.4	20.8
5 21	13 17.03	− 0 14.9	1.675	2.514	15.9	21.1

60724 2000 GE_{74} 4 16.7 27°.66 0°.1/16.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 2.19	−14 25.2	1.208	2.058	18.8	19.6
3 22	13 59.12	−13 38.1	1.143	2.062	14.4	19.4
4 1	13 53.08	−12 29.4	1.097	2.066	9.2	19.1
4 11	13 44.98	−11 5.0	1.073	2.071	3.4	18.8
4 21	13 36.15	− 9 33.9	1.074	2.077	2.6	18.7
5 1	13 28.06	− 8 7.4	1.100	2.083	8.3	19.1
5 11	13 21.97	− 6 55.9	1.148	2.089	13.6	19.4
5 21	13 18.61	− 6 5.7	1.215	2.096	18.0	19.7

507679 2013 SW_{43} 4 16.7 217°.08 5°.0/11.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 5.88	+ 3 59.6	2.420	3.252	11.1	22.8
3 22	14 0.49	+ 4 54.4	2.336	3.243	8.6	22.6
4 1	13 53.34	+ 5 48.7	2.277	3.232	6.2	22.4
4 11	13 44.98	+ 6 37.0	2.246	3.220	5.0	22.3
4 21	13 36.14	+ 7 14.3	2.244	3.208	6.1	22.4
5 1	13 27.61	+ 7 36.5	2.270	3.195	8.5	22.5
5 11	13 20.14	+ 7 41.6	2.322	3.182	11.2	22.6
5 21	13 14.25	+ 7 29.4	2.395	3.167	13.7	22.8

378741 2008 RK_{36} 4 16.7 181°.38 0°.7/16.0 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 3.07	−10 53.3	2.200	3.022	12.4	21.8
3 22	13 58.53	−10 14.8	2.116	3.023	9.4	21.6
4 1	13 52.15	− 9 26.2	2.057	3.023	5.9	21.3
4 11	13 44.54	− 8 31.2	2.025	3.023	2.1	21.1
4 21	13 36.48	− 7 34.4	2.022	3.023	2.1	21.1
5 1	13 28.79	− 6 41.3	2.047	3.022	5.9	21.3
5 11	13 22.25	− 5 56.7	2.100	3.021	9.4	21.5
5 21	13 17.40	− 5 24.0	2.176	3.019	12.5	21.7

128823 2004 RS_{307} 4 16.7 107°.64 1°.0/17.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 5.24	−15 17.7	2.074	2.883	13.6	20.8
3 22	14 0.18	−14 59.8	2.003	2.898	10.4	20.6
4 1	13 53.17	−14 29.2	1.955	2.914	6.8	20.4
4 11	13 44.91	−13 48.6	1.934	2.929	2.9	20.2
4 21	13 36.24	−13 1.8	1.941	2.943	1.7	20.1
5 1	13 28.09	−12 14.1	1.977	2.958	5.4	20.4
5 11	13 21.26	−11 30.6	2.039	2.972	9.0	20.6
5 21	13 16.27	−10 55.7	2.126	2.985	12.2	20.8

289978 2005 OH 4 16.7 211°.42 5°.0/10.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 6.09	+ 9 1.4	3.063	3.882	9.3	20.6
3 22	14 0.24	+ 9 31.3	2.982	3.875	7.4	20.5
4 1	13 52.99	+ 9 56.8	2.927	3.868	5.8	20.3
4 11	13 44.81	+10 14.0	2.901	3.860	5.0	20.3
4 21	13 36.30	+10 19.7	2.905	3.852	5.8	20.3
5 1	13 28.07	+10 11.9	2.937	3.843	7.5	20.4
5 11	13 20.72	+ 9 49.9	2.996	3.833	9.6	20.5
5 21	13 14.68	+ 9 14.2	3.078	3.824	11.4	20.7

300185 2006 WB_{62} 4 16.7 164°.14 4°.1/10.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 0.25	+ 3 19.0	3.054	3.888	9.0	22.2
3 22	13 55.85	+ 4 28.3	2.985	3.893	6.9	22.0
4 1	13 50.20	+ 5 37.4	2.943	3.898	5.0	21.9
4 11	13 43.77	+ 6 41.7	2.930	3.903	4.1	21.9
4 21	13 37.07	+ 7 36.8	2.947	3.907	5.0	21.9
5 1	13 30.66	+ 8 19.5	2.993	3.910	7.0	22.1
5 11	13 25.05	+ 8 47.6	3.064	3.913	9.1	22.2
5 21	13 20.61	+ 9 0.6	3.158	3.916	10.9	22.3

302457 2002 EB_{112} 4 16.7 114°.38 1°.8/18.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 3.42	−16 52.6	2.467	3.264	12.0	21.2
3 22	13 58.68	−16 58.7	2.380	3.266	9.4	21.0
4 1	13 52.21	−16 53.8	2.317	3.268	6.3	20.8
4 11	13 44.57	−16 39.2	2.280	3.271	3.2	20.6
4 21	13 36.47	−16 17.0	2.272	3.273	2.0	20.5
5 1	13 28.68	−15 50.5	2.294	3.275	4.8	20.7
5 11	13 21.95	−15 23.9	2.343	3.278	7.9	20.9
5 21	13 16.79	−15 0.8	2.416	3.280	10.8	21.1

257346 2009 KA_3 4 16.7 351°.04 3°.0/14.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 2.21	− 5 53.3	1.181	2.048	17.9	19.9
3 22	13 59.27	− 5 26.5	1.111	2.042	13.6	19.7
4 1	13 53.29	− 4 50.4	1.062	2.037	8.6	19.4
4 11	13 45.12	− 4 11.2	1.035	2.032	3.8	19.1
4 21	13 36.06	− 3 36.7	1.031	2.029	4.7	19.1
5 1	13 27.61	− 3 14.4	1.051	2.027	9.8	19.4
5 11	13 21.12	− 3 9.9	1.092	2.026	14.8	19.7
5 21	13 17.42	− 3 25.2	1.152	2.026	19.2	19.9

367132 2006 SM_{361} 4 16.8 266°.25 1°.4/15.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 5.57	− 9 0.2	1.745	2.579	14.6	21.6
3 22	14 1.09	− 8 30.5	1.649	2.562	11.1	21.3
4 1	13 54.16	− 7 50.0	1.575	2.544	7.0	21.0
4 11	13 45.42	− 7 2.6	1.528	2.526	2.7	20.7
4 21	13 35.83	− 6 13.8	1.507	2.507	3.0	20.7
5 1	13 26.52	− 5 29.9	1.514	2.488	7.6	20.9
5 11	13 18.61	− 4 57.1	1.546	2.469	12.0	21.1
5 21	13 12.86	− 4 39.1	1.599	2.450	15.9	21.3

505241 2012 UO_{70} 4 16.8 228°.49 0°.7/17.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 2.95	−14 59.0	2.226	3.036	12.7	22.1
3 22	13 58.53	−14 36.4	2.132	3.029	9.8	21.9
4 1	13 52.22	−14 1.4	2.063	3.022	6.4	21.7
4 11	13 44.62	−13 16.2	2.020	3.015	2.7	21.4
4 21	13 36.47	−12 24.7	2.006	3.008	1.6	21.3
5 1	13 28.64	−11 31.8	2.020	3.001	5.4	21.6
5 11	13 21.93	−10 43.0	2.061	2.993	9.0	21.8
5 21	13 16.92	−10 2.6	2.127	2.985	12.2	21.9

69063 2002 YG_{32} 4 16.8 259°.14 6°.8/ 9.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 4.89	+ 4 52.1	1.965	2.809	12.8	20.0
3 22	14 0.29	+ 6 23.8	1.874	2.785	10.1	19.7
4 1	13 53.51	+ 7 57.3	1.808	2.761	7.7	19.5
4 11	13 45.15	+ 9 24.4	1.768	2.736	6.8	19.4
4 21	13 36.05	+10 36.7	1.756	2.710	8.3	19.5
5 1	13 27.20	+11 27.5	1.770	2.683	11.2	19.6
5 11	13 19.56	+11 52.9	1.807	2.656	14.4	19.7
5 21	13 13.82	+11 52.7	1.864	2.628	17.3	19.9

347299 2011 OA_{28} 4 16.8 260°.84 3°.0/22.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	13 56.49	−27 56.9	4.583	5.308	7.9	20.9
3 22	13 52.86	−28 2.3	4.478	5.303	6.6	20.8
4 1	13 48.29	−27 57.9	4.397	5.298	5.1	20.7
4 11	13 43.10	−27 44.0	4.342	5.294	3.8	20.6
4 21	13 37.65	−27 21.4	4.316	5.289	3.0	20.5
5 1	13 32.34	−26 51.7	4.319	5.284	3.5	20.5
5 11	13 27.57	−26 17.3	4.351	5.280	4.7	20.6
5 21	13 23.63	−25 40.7	4.409	5.275	6.2	20.7

1953 Rupertwildt 4 16.8 158°.16 0°.7/15.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 2.07	− 9 43.8	2.814	3.629	10.2	17.6
3 22	13 57.37	− 9 16.1	2.732	3.635	7.7	17.4
4 1	13 51.25	− 8 41.6	2.676	3.640	4.8	17.3
4 11	13 44.21	− 8 3.2	2.648	3.645	1.7	17.0
4 21	13 36.85	− 7 24.1	2.650	3.650	1.8	17.0
5 1	13 29.80	− 6 47.9	2.681	3.654	4.8	17.3
5 11	13 23.64	− 6 17.9	2.741	3.658	7.7	17.5
5 21	13 18.80	− 5 56.5	2.826	3.662	10.2	17.6

123473 2000 WH_{154} 4 16.8 112°.77 0°.9/17.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 8.99	−13 1.9	2.017	2.827	13.8	20.3
3 22	14 3.14	−13 14.1	1.942	2.838	10.6	20.1
4 1	13 55.14	−13 16.6	1.890	2.849	6.9	19.9
4 11	13 45.71	−13 10.7	1.865	2.860	2.9	19.6
4 21	13 35.76	−12 59.1	1.868	2.871	1.8	19.6
5 1	13 26.31	−12 45.3	1.901	2.881	5.7	19.8
5 11	13 18.26	−12 33.7	1.960	2.891	9.4	20.1
5 21	13 12.21	−12 27.5	2.043	2.901	12.7	20.3

26369 1999 CG_{62} 4 16.8 250°.17 3°.8/12.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	13 59.79	− 3 30.4	2.122	2.967	12.0	17.0
3 22	13 56.10	− 2 2.4	2.046	2.965	9.0	16.8
4 1	13 50.65	− 0 27.8	1.996	2.964	5.8	16.6
4 11	13 44.04	+ 1 6.8	1.973	2.962	3.8	16.5
4 21	13 37.00	+ 2 34.2	1.978	2.960	5.1	16.6
5 1	13 30.33	+ 3 47.9	2.012	2.958	8.1	16.7
5 11	13 24.78	+ 4 43.1	2.070	2.956	11.2	16.9
5 21	13 20.83	+ 5 18.1	2.151	2.955	14.0	17.1

526 Jena 4 16.8 56°.01 1°.0/15.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 1.78	− 9 32.8	2.063	2.894	12.8	14.8
3 22	13 57.58	− 9 0.0	1.995	2.906	9.6	14.6
4 1	13 51.56	− 8 18.5	1.950	2.918	6.0	14.4
4 11	13 44.36	− 7 32.4	1.932	2.930	2.2	14.2
4 21	13 36.79	− 6 46.3	1.943	2.943	2.4	14.2
5 1	13 29.68	− 6 5.2	1.981	2.955	6.1	14.5
5 11	13 23.79	− 5 33.5	2.045	2.968	9.6	14.7
5 21	13 19.62	− 5 13.8	2.133	2.981	12.6	14.9

174045 2002 AU_{182} 4 16.8 94°.41 1°.3/15.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 3.25	− 7 29.3	2.414	3.239	11.4	20.2
3 22	13 58.41	− 7 6.0	2.345	3.254	8.5	20.0
4 1	13 51.96	− 6 37.0	2.301	3.268	5.3	19.8
4 11	13 44.49	− 6 5.5	2.284	3.282	2.1	19.6
4 21	13 36.70	− 5 35.3	2.297	3.295	2.4	19.7
5 1	13 29.33	− 5 9.9	2.339	3.309	5.6	19.9
5 11	13 23.03	− 4 52.5	2.407	3.322	8.7	20.1
5 21	13 18.27	− 4 45.1	2.500	3.336	11.3	20.3

522627 2016 FZ_{66} 4 16.8 262°.35 4°.2/13.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 5.18	− 0 19.9	1.978	2.819	12.9	20.8
3 22	14 0.41	+ 0 20.4	1.891	2.807	9.8	20.6
4 1	13 53.52	+ 1 3.1	1.829	2.794	6.6	20.3
4 11	13 45.16	+ 1 42.8	1.792	2.781	4.3	20.2
4 21	13 36.17	+ 2 14.1	1.784	2.767	5.4	20.2
5 1	13 27.51	+ 2 32.0	1.803	2.754	8.6	20.4
5 11	13 20.10	+ 2 33.7	1.846	2.740	12.0	20.5
5 21	13 14.57	+ 2 18.2	1.911	2.726	15.1	20.7

429575 2011 EW_6 4 16.8 113°.20 3°.3/13.5 15

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 4.00	− 4 31.3	1.967	2.806	13.0	22.3
3 22	13 59.25	− 3 22.8	1.905	2.821	9.7	22.1
4 1	13 52.60	− 2 8.3	1.868	2.836	6.2	21.9
4 11	13 44.74	− 0 54.1	1.858	2.850	3.4	21.8
4 21	13 36.53	+ 0 13.2	1.876	2.864	4.5	21.8
5 1	13 28.87	+ 1 7.8	1.922	2.878	7.8	22.1
5 11	13 22.53	+ 1 45.8	1.994	2.891	11.1	22.3
5 21	13 18.00	+ 2 5.5	2.087	2.903	14.0	22.5

110009 2001 SW_{66} 4 16.8 347°.42 3°.9/14.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 10.28	− 0 30.6	1.524	2.369	15.8	18.5
3 22	14 4.78	− 0 33.1	1.449	2.366	12.1	18.3
4 1	13 56.51	− 0 35.8	1.396	2.363	7.9	18.1
4 11	13 46.31	− 0 43.5	1.367	2.360	4.3	17.8
4 21	13 35.34	− 1 0.1	1.366	2.358	5.1	17.9
5 1	13 24.93	− 1 28.9	1.391	2.357	9.1	18.1
5 11	13 16.27	− 2 11.3	1.440	2.355	13.3	18.3
5 21	13 10.15	− 3 6.7	1.510	2.355	17.0	18.6

174543 2003 FF_{10} 4 16.8 3°.92 1°.0/15.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 0.99	− 9 31.2	2.206	3.036	12.1	20.9
3 22	13 56.98	− 8 57.4	2.125	3.036	9.1	20.7
4 1	13 51.20	− 8 14.9	2.068	3.036	5.7	20.4
4 11	13 44.25	− 7 27.5	2.038	3.036	2.1	20.2
4 21	13 36.86	− 6 39.6	2.036	3.036	2.3	20.2
5 1	13 29.83	− 5 56.1	2.063	3.037	5.9	20.5
5 11	13 23.90	− 5 21.4	2.116	3.037	9.4	20.7
5 21	13 19.59	− 4 58.5	2.192	3.038	12.4	20.9

22506 1997 WD_8 4 16.8 65°.73 1°.2/15.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 6.46	−10 42.2	1.323	2.169	17.7	18.1
3 22	14 1.90	−10 1.1	1.271	2.189	13.3	17.9
4 1	13 54.58	− 9 6.2	1.239	2.209	8.3	17.7
4 11	13 45.52	− 8 3.5	1.231	2.229	3.0	17.4
4 21	13 36.00	− 7 0.9	1.249	2.250	3.1	17.5
5 1	13 27.36	− 6 6.5	1.292	2.270	8.1	17.8
5 11	13 20.69	− 5 27.0	1.359	2.290	12.7	18.1
5 21	13 16.61	− 5 5.6	1.446	2.310	16.6	18.4

173248 1999 RA_{54} 4 16.8 263°.57 2°.0/18.2 17

3 12	14 7.83	−16 45.7	1.806	2.613	15.3	20.9
3 22	14 2.98	−16 47.5	1.698	2.591	12.1	20.6
4 1	13 55.50	−16 34.3	1.612	2.568	8.3	20.4
4 11	13 46.02	−16 6.5	1.552	2.544	4.0	20.0
4 21	13 35.48	−15 26.8	1.518	2.519	2.4	19.9
5 1	13 25.11	−14 40.3	1.512	2.494	6.6	20.1
5 11	13 16.11	−13 53.9	1.532	2.469	11.1	20.3
5 21	13 9.37	−13 14.1	1.575	2.443	15.3	20.5

460059 2014 OU_{204} 4 16.8 195°.19 3°.9/19.7 16

3 12	14 9.90	−21 24.8	1.814	2.600	16.1	22.4
3 22	14 4.40	−21 42.9	1.723	2.598	13.0	22.2
4 1	13 56.26	−21 43.4	1.655	2.596	9.3	22.0
4 11	13 46.24	−21 25.6	1.611	2.592	5.6	21.8
4 21	13 35.38	−20 51.2	1.594	2.589	4.0	21.6
5 1	13 24.93	−20 5.0	1.604	2.584	6.6	21.8
5 11	13 16.05	−19 14.0	1.641	2.579	10.4	22.0
5 21	13 9.54	−18 25.6	1.701	2.574	14.1	22.2

195171 2002 CE_{242} 4 16.8 311°.71 8°.9/21.9 18

3 12	14 8.40	−29 21.5	1.709	2.466	18.0	19.5
3 22	14 4.01	−30 46.7	1.607	2.446	15.6	19.2
4 1	13 56.52	−31 53.9	1.523	2.427	12.8	19.0
4 11	13 46.52	−32 37.4	1.462	2.407	10.2	18.8
4 21	13 35.06	−32 53.6	1.425	2.388	8.9	18.7
5 1	13 23.64	−32 42.7	1.412	2.370	9.9	18.7
5 11	13 13.80	−32 10.4	1.423	2.352	12.5	18.8
5 21	13 6.68	−31 25.6	1.456	2.334	15.7	18.9

27667 1979 KJ 4 16.8 14°.04 5°.5/11.0 18

3 12	14 0.92	+ 3 3.6	2.033	2.882	12.2	17.4
3 22	13 57.00	+ 4 15.6	1.966	2.883	9.4	17.2
4 1	13 51.23	+ 5 27.6	1.924	2.884	6.8	17.0
4 11	13 44.27	+ 6 32.9	1.909	2.885	5.5	17.0
4 21	13 36.88	+ 7 25.0	1.920	2.886	6.8	17.0
5 1	13 29.92	+ 7 59.2	1.958	2.887	9.4	17.2
5 11	13 24.15	+ 8 13.1	2.020	2.889	12.2	17.4
5 21	13 20.07	+ 8 6.5	2.102	2.890	14.8	17.5

63916 2001 SE_{35} 4 16.8 99°.86 1°.7/15.3 18

3 12	14 5.65	− 8 22.9	1.875	2.706	13.9	19.7
3 22	14 0.59	− 7 40.3	1.813	2.725	10.4	19.5
4 1	13 53.48	− 6 49.0	1.775	2.743	6.4	19.3
4 11	13 45.08	− 5 54.0	1.763	2.760	2.5	19.1
4 21	13 36.32	− 5 1.0	1.780	2.778	3.0	19.2
5 1	13 28.16	− 4 15.5	1.824	2.795	6.9	19.4
5 11	13 21.43	− 3 42.2	1.894	2.811	10.5	19.7
5 21	13 16.66	− 3 23.4	1.987	2.827	13.7	19.9

59236 1999 CD_2 4 16.8 195°.84 3°.3/14.0 18

3 12	14 7.73	− 4 11.3	1.818	2.655	14.0	18.6
3 22	14 2.43	− 3 22.2	1.738	2.652	10.6	18.4
4 1	13 54.83	− 2 26.5	1.682	2.650	6.8	18.2
4 11	13 45.66	− 1 30.1	1.653	2.646	3.6	17.9
4 21	13 35.86	− 0 39.3	1.651	2.642	4.6	18.0
5 1	13 26.53	− 0 0.1	1.677	2.637	8.4	18.2
5 11	13 18.64	+ 0 23.1	1.728	2.631	12.2	18.4
5 21	13 12.85	+ 0 28.5	1.801	2.625	15.5	18.6

380567 2004 RD_{13} 4 16.8 231°.67 4°.1/11.9 18

3 12	14 2.90	− 0 53.5	2.369	3.205	11.2	21.9
3 22	13 58.36	+ 0 25.6	2.278	3.191	8.5	21.7
4 1	13 52.09	+ 1 49.4	2.214	3.177	5.8	21.5
4 11	13 44.61	+ 3 12.0	2.177	3.161	4.1	21.4
4 21	13 36.63	+ 4 27.1	2.171	3.145	5.4	21.4
5 1	13 28.91	+ 5 28.9	2.192	3.129	8.1	21.6
5 11	13 22.20	+ 6 13.5	2.240	3.111	11.1	21.7
5 21	13 17.03	+ 6 39.2	2.309	3.094	13.7	21.9

372568 2009 US_{47} 4 16.8 199°.40 1°.4/18.2 17

3 12	14 4.22	−17 27.8	2.227	3.026	13.1	21.9
3 22	13 59.51	−17 1.0	2.134	3.023	10.2	21.7
4 1	13 52.87	−16 19.6	2.065	3.019	6.8	21.5
4 11	13 44.91	−15 25.7	2.022	3.015	3.2	21.2
4 21	13 36.42	−14 23.3	2.008	3.010	1.8	21.1
5 1	13 28.28	−13 17.6	2.023	3.005	5.3	21.4
5 11	13 21.31	−12 14.9	2.066	2.999	8.9	21.6
5 21	13 16.09	−11 20.3	2.133	2.993	12.1	21.8

131804 2002 AY_{62} 4 16.8 335°.69 9°.0/22.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 3.28	−28 48.8	1.277	2.069	21.2	18.8
3 22	14 0.59	−29 48.0	1.194	2.059	18.1	18.6
4 1	13 54.49	−30 19.9	1.128	2.050	14.5	18.3
4 11	13 45.76	−30 19.4	1.081	2.042	11.0	18.1
4 21	13 35.71	−29 45.1	1.056	2.034	9.0	18.0
5 1	13 26.11	−28 41.3	1.053	2.028	10.1	18.0
5 11	13 18.60	−27 18.9	1.073	2.022	13.5	18.2
5 21	13 14.28	−25 51.1	1.111	2.017	17.4	18.4

210363 2007 UA_{88} 4 16.8 71°.42 0°.4/17.2 17

3 12	14 2.99	−13 29.3	2.114	2.931	13.0	20.7
3 22	13 58.52	−13 12.6	2.041	2.942	9.9	20.5
4 1	13 52.18	−12 44.9	1.991	2.953	6.4	20.3
4 11	13 44.62	−12 9.0	1.967	2.964	2.5	20.1
4 21	13 36.65	−11 28.7	1.972	2.975	1.6	20.0
5 1	13 29.13	−10 48.7	2.005	2.986	5.4	20.3
5 11	13 22.83	−10 13.7	2.065	2.997	9.0	20.6
5 21	13 18.28	− 9 47.5	2.148	3.008	12.1	20.8

63964 2001 SM_{69} 4 16.8 78°.66 1°.9/15.1 18

3 12	14 5.52	− 8 38.9	1.750	2.585	14.5	19.9
3 22	14 0.52	− 7 46.4	1.697	2.611	10.8	19.7
4 1	13 53.43	− 6 44.6	1.668	2.637	6.7	19.5
4 11	13 45.06	− 5 39.4	1.665	2.662	2.7	19.3
4 21	13 36.38	− 4 37.1	1.689	2.687	3.2	19.4
5 1	13 28.42	− 3 44.1	1.742	2.712	7.2	19.7
5 11	13 21.98	− 3 5.1	1.819	2.736	10.9	20.0
5 21	13 17.59	− 2 42.4	1.919	2.760	14.1	20.2

100812 1998 FK_{123} 4 16.8 66°.96 1°.4/15.4 18

3 12	14 2.06	−11 31.2	1.680	2.517	15.0	19.7
3 22	13 58.12	−10 19.4	1.618	2.533	11.2	19.5
4 1	13 52.03	− 8 53.7	1.580	2.549	6.9	19.2
4 11	13 44.57	− 7 20.7	1.567	2.565	2.5	19.0
4 21	13 36.72	− 5 48.2	1.582	2.582	3.0	19.1
5 1	13 29.50	− 4 24.8	1.625	2.598	7.3	19.4
5 11	13 23.78	− 3 17.2	1.692	2.614	11.2	19.6
5 21	13 20.08	− 2 28.9	1.782	2.631	14.6	19.9

119584 2001 VS_{108} 4 16.8 155°.14 1°.4/17.9 18

3 12	14 4.30	−16 13.6	1.802	2.618	15.0	19.9
3 22	13 59.96	−15 58.5	1.720	2.619	11.7	19.7
4 1	13 53.32	−15 28.0	1.660	2.619	7.7	19.4
4 11	13 45.12	−14 44.3	1.626	2.620	3.5	19.2
4 21	13 36.29	−13 51.8	1.618	2.621	2.0	19.1
5 1	13 27.92	−12 56.5	1.638	2.621	6.1	19.3
5 11	13 20.98	−12 5.3	1.684	2.622	10.2	19.6
5 21	13 16.14	−11 23.4	1.752	2.622	13.9	19.8

335730 2007 DL_{36} 4 16.8 201°.41 0°.6/17.9 18

3 12	13 55.60	−14 43.4	4.724	5.517	6.7	21.1
3 22	13 52.09	−14 34.3	4.628	5.516	5.1	21.0
4 1	13 47.78	−14 19.7	4.559	5.514	3.4	20.8
4 11	13 42.94	−14 0.9	4.519	5.513	1.5	20.7
4 21	13 37.90	−13 39.3	4.509	5.512	0.9	20.6
5 1	13 33.00	−13 16.7	4.530	5.510	2.7	20.8
5 11	13 28.57	−12 55.0	4.579	5.508	4.5	20.9
5 21	13 24.86	−12 35.9	4.656	5.507	6.2	21.0

409024 2003 ED_{57} 4 16.8 35°.39 1°.5/17.1 18

3 12	14 32.67	− 5 30.5	1.136	1.956	21.7	19.3
3 22	14 22.22	− 7 48.7	1.086	1.988	16.6	19.1
4 1	14 7.65	−10 6.8	1.059	2.020	10.6	18.8
4 11	13 50.41	−12 18.6	1.058	2.054	4.3	18.6
4 21	13 32.58	−14 17.1	1.087	2.089	3.0	18.6
5 1	13 16.36	−15 59.0	1.145	2.125	8.7	19.0
5 11	13 3.44	−17 25.6	1.230	2.161	13.8	19.4
5 21	12 54.57	−18 41.2	1.336	2.198	17.8	19.8

136408 2005 AT_{53} 4 16.8 23°.14 3°.6/19.3 18

3 12	14 4.06	−19 56.1	1.321	2.146	19.0	19.7
3 22	14 0.55	−20 3.4	1.251	2.149	15.1	19.5
4 1	13 54.05	−19 48.5	1.199	2.154	10.5	19.2
4 11	13 45.46	−19 12.0	1.170	2.159	5.8	19.0
4 21	13 36.05	−18 18.2	1.165	2.164	3.7	18.9
5 1	13 27.30	−17 14.8	1.184	2.170	7.4	19.1
5 11	13 20.51	−16 11.7	1.227	2.177	12.0	19.4
5 21	13 16.46	−15 17.5	1.291	2.184	16.3	19.6

13593 1994 NF_1 4 16.8 279°.38 6°.5/12.1 18 R

3 12	14 6.31	+ 1 19.4	1.399	2.258	16.2	17.3
3 22	14 2.12	+ 2 24.7	1.319	2.242	12.5	17.0
4 1	13 55.05	+ 3 33.6	1.260	2.226	8.8	16.7
4 11	13 45.87	+ 4 37.0	1.225	2.210	6.6	16.6
4 21	13 35.72	+ 5 25.6	1.215	2.193	8.1	16.6
5 1	13 26.00	+ 5 51.5	1.230	2.177	12.0	16.8
5 11	13 18.02	+ 5 50.6	1.266	2.161	16.3	17.0
5 21	13 12.63	+ 5 23.3	1.320	2.145	20.1	17.2

174548 2003 FT_{66} 4 16.8 262°.67 2°.7/14.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 2.61	− 3 11.2	2.333	3.168	11.4	20.2
3 22	13 58.09	− 2 40.7	2.253	3.166	8.5	20.1
4 1	13 51.88	− 2 6.9	2.197	3.164	5.5	19.9
4 11	13 44.53	− 1 33.6	2.169	3.162	2.9	19.7
4 21	13 36.75	− 1 5.1	2.169	3.159	3.7	19.7
5 1	13 29.31	− 0 45.2	2.198	3.157	6.7	19.9
5 11	13 22.92	− 0 36.6	2.252	3.155	9.7	20.1
5 21	13 18.09	− 0 40.7	2.330	3.153	12.5	20.3

135172 2001 QL_{265} 4 16.8 334°.96 5°.5/21.9 18

3 12	14 2.39	−27 25.3	2.011	2.775	15.4	18.3
3 22	13 58.55	−27 41.9	1.919	2.771	12.9	18.1
4 1	13 52.48	−27 38.1	1.847	2.767	9.9	17.9
4 11	13 44.84	−27 12.8	1.799	2.763	7.1	17.7
4 21	13 36.50	−26 27.3	1.777	2.759	5.5	17.6
5 1	13 28.54	−25 26.2	1.781	2.755	6.6	17.7
5 11	13 21.91	−24 16.3	1.811	2.752	9.4	17.8
5 21	13 17.30	−23 5.4	1.865	2.749	12.5	18.0

506958 2008 QR_{20} 4 16.8 229°.74 1°.4/15.2 18

3 12	14 3.42	− 9 2.9	2.534	3.353	11.1	22.4
3 22	13 58.69	− 8 11.5	2.433	3.339	8.4	22.2
4 1	13 52.28	− 7 11.0	2.357	3.323	5.2	22.0
4 11	13 44.70	− 6 5.3	2.310	3.307	2.1	21.8
4 21	13 36.61	− 4 58.8	2.293	3.290	2.5	21.8
5 1	13 28.77	− 3 57.0	2.305	3.273	5.9	22.0
5 11	13 21.86	− 3 4.4	2.345	3.254	9.1	22.1
5 21	13 16.44	− 2 24.4	2.410	3.235	12.0	22.3

106157 2000 TJ_{60} 4 16.8 149°.38 5°.1/10.2 18

3 12	14 1.11	+ 6 11.7	2.765	3.601	9.8	19.9
3 22	13 56.64	+ 7 17.2	2.702	3.608	7.6	19.8
4 1	13 50.80	+ 8 20.4	2.666	3.614	5.8	19.7
4 11	13 44.10	+ 9 16.1	2.657	3.621	5.1	19.6
4 21	13 37.11	+10 0.0	2.677	3.626	6.0	19.7
5 1	13 30.46	+10 28.9	2.724	3.632	8.0	19.8
5 11	13 24.71	+10 41.2	2.796	3.637	10.1	20.0
5 21	13 20.26	+10 37.1	2.890	3.642	12.0	20.1

462011 2006 XO_{18} 4 16.8 245°.66 2°.0/18.5 17

3 12	14 5.58	−18 11.9	1.921	2.724	14.7	21.9
3 22	14 1.00	−17 58.3	1.821	2.710	11.6	21.7
4 1	13 54.08	−17 28.1	1.742	2.695	7.9	21.4
4 11	13 45.46	−16 42.3	1.689	2.680	4.0	21.1
4 21	13 36.05	−15 44.7	1.663	2.665	2.3	21.0
5 1	13 26.93	−14 40.8	1.666	2.649	6.1	21.2
5 11	13 19.13	−13 38.0	1.695	2.632	10.2	21.4
5 21	13 13.39	−12 42.8	1.747	2.615	14.0	21.6

248364 2005 QO_{166} 4 16.8 164°.89 7°.0/23.7 18

3 12	14 8.32	−33 16.2	2.588	3.289	13.9	20.2
3 22	14 2.76	−34 14.4	2.494	3.290	12.0	20.1
4 1	13 55.05	−34 55.3	2.421	3.292	10.0	20.0
4 11	13 45.80	−35 16.2	2.372	3.292	8.1	19.8
4 21	13 35.81	−35 16.1	2.349	3.293	7.1	19.8
5 1	13 26.07	−34 56.5	2.353	3.294	7.4	19.8
5 11	13 17.51	−34 21.8	2.384	3.295	8.9	19.9
5 21	13 10.81	−33 37.9	2.439	3.295	10.9	20.0

105746 2000 SP_{92} 4 16.8 212°.63 4°.0/24.9 18

3 12	13 57.98	−34 47.7	4.917	5.587	8.0	20.5
3 22	13 54.01	−35 5.8	4.811	5.585	7.0	20.4
4 1	13 49.06	−35 13.0	4.729	5.582	5.8	20.3
4 11	13 43.45	−35 9.1	4.671	5.579	4.7	20.2
4 21	13 37.57	−34 54.5	4.640	5.577	4.1	20.1
5 1	13 31.83	−34 30.2	4.638	5.574	4.2	20.1
5 11	13 26.63	−33 58.5	4.663	5.571	5.0	20.2
5 21	13 22.28	−33 21.9	4.715	5.568	6.1	20.3

307993 2004 RO_{49} 4 16.8 270°.65 2°.4/14.9 16

3 12	14 5.34	− 8 9.7	1.512	2.357	15.9	21.3
3 22	14 1.32	− 7 20.1	1.419	2.338	12.1	21.0
4 1	13 54.55	− 6 16.9	1.348	2.318	7.7	20.7
4 11	13 45.71	− 5 5.8	1.301	2.298	3.2	20.4
4 21	13 35.87	− 3 54.5	1.280	2.278	4.1	20.4
5 1	13 26.34	− 2 51.8	1.286	2.257	9.0	20.6
5 11	13 18.37	− 2 5.3	1.315	2.236	13.9	20.8
5 21	13 12.86	− 1 39.6	1.364	2.214	18.2	21.0

392400 2010 KZ_{81} 4 16.8 273°.67 1°.8/14.8 16

3 12	14 0.67	− 7 6.1	2.445	3.276	11.1	21.4
3 22	13 56.69	− 6 22.8	2.347	3.259	8.3	21.2
4 1	13 51.05	− 5 32.1	2.274	3.242	5.2	21.0
4 11	13 44.27	− 4 38.0	2.229	3.225	2.3	20.7
4 21	13 36.97	− 3 44.9	2.212	3.208	2.9	20.8
5 1	13 29.91	− 2 57.7	2.224	3.191	6.1	20.9
5 11	13 23.79	− 2 20.4	2.263	3.173	9.4	21.1
5 21	13 19.12	− 1 55.9	2.325	3.156	12.3	21.3

314105 2005 EY_{78} 4 16.8 343°.22 4°.2/13.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 1.47	− 5 2.1	1.346	2.209	16.4	19.9
3 22	13 58.36	− 3 50.1	1.276	2.204	12.4	19.7
4 1	13 52.57	− 2 27.3	1.227	2.200	7.9	19.4
4 11	13 44.91	− 1 2.3	1.202	2.197	4.4	19.2
4 21	13 36.52	+ 0 15.0	1.203	2.194	5.9	19.3
5 1	13 28.70	+ 1 15.1	1.227	2.191	10.3	19.5
5 11	13 22.61	+ 1 51.9	1.274	2.189	14.7	19.8
5 21	13 18.96	+ 2 3.3	1.340	2.187	18.6	20.0

131676 2001 XY_{184} 4 16.8 224°.13 4°.6/13.1 18

3 12	14 7.08	− 1 28.7	1.700	2.544	14.5	19.7
3 22	14 2.15	− 0 30.3	1.619	2.537	11.0	19.5
4 1	13 54.79	+ 0 33.1	1.562	2.529	7.3	19.2
4 11	13 45.71	+ 1 34.6	1.531	2.520	4.7	19.0
4 21	13 35.93	+ 2 26.8	1.527	2.511	6.0	19.1
5 1	13 26.59	+ 3 3.1	1.549	2.501	9.6	19.3
5 11	13 18.74	+ 3 19.5	1.595	2.490	13.5	19.5
5 21	13 13.10	+ 3 14.9	1.662	2.480	16.9	19.7

221161 2005 TP_{106} 4 16.8 101°.50 5°.7/21.5 17

3 12	14 8.82	−26 25.4	1.925	2.686	16.1	20.2
3 22	14 3.39	−26 59.9	1.849	2.700	13.3	20.1
4 1	13 55.51	−27 14.8	1.793	2.713	10.2	19.9
4 11	13 45.96	−27 8.4	1.762	2.726	7.2	19.7
4 21	13 35.78	−26 41.9	1.757	2.739	5.7	19.7
5 1	13 26.13	−25 59.3	1.780	2.751	6.9	19.8
5 11	13 18.06	−25 7.5	1.828	2.764	9.7	20.0
5 21	13 12.25	−24 14.0	1.900	2.776	12.7	20.2

56692 2000 LK_{20} 4 16.8 210°.61 4°.5/21.3 18

3 12	14 4.34	−26 27.2	2.091	2.854	15.0	17.9
3 22	13 59.90	−26 17.7	1.995	2.850	12.3	17.7
4 1	13 53.27	−25 47.2	1.921	2.846	9.3	17.5
4 11	13 45.13	−24 55.4	1.870	2.841	6.2	17.3
4 21	13 36.37	−23 45.0	1.847	2.836	4.5	17.2
5 1	13 27.99	−22 21.4	1.852	2.831	6.0	17.3
5 11	13 20.94	−20 52.5	1.884	2.825	9.1	17.4
5 21	13 15.87	−19 26.1	1.941	2.819	12.4	17.6

406538 2007 VG_{327} 4 16.8 146°.96 2°.2/18.8 16

3 12	14 7.80	−19 24.4	2.081	2.869	14.2	23.1
3 22	14 2.25	−19 6.2	2.001	2.881	11.2	22.9
4 1	13 54.60	−18 31.7	1.944	2.893	7.6	22.7
4 11	13 45.58	−17 42.8	1.914	2.903	3.9	22.5
4 21	13 36.08	−16 43.3	1.913	2.913	2.3	22.4
5 1	13 27.10	−15 38.8	1.940	2.922	5.5	22.6
5 11	13 19.50	−14 36.0	1.995	2.930	9.1	22.8
5 21	13 13.86	−13 40.4	2.075	2.937	12.3	23.1

406371 2007 RU_{265} 4 16.8 136°.27 0°.5/17.2 16

3 12	14 6.42	−14 7.2	1.571	2.398	16.3	22.1
3 22	14 1.81	−13 44.6	1.496	2.402	12.5	21.8
4 1	13 54.62	−13 6.4	1.442	2.406	8.1	21.6
4 11	13 45.65	−12 15.8	1.414	2.410	3.2	21.3
4 21	13 36.02	−11 18.4	1.411	2.414	2.0	21.2
5 1	13 26.96	−10 21.4	1.436	2.418	7.0	21.5
5 11	13 19.58	− 9 32.1	1.485	2.421	11.5	21.8
5 21	13 14.59	− 8 55.9	1.557	2.424	15.4	22.0

297490 2000 UK_{69} 4 16.8 207°.46 0°.3/17.1 18

3 12	14 3.56	−12 35.8	3.007	3.809	10.0	21.3
3 22	13 58.53	−12 27.9	2.909	3.803	7.6	21.2
4 1	13 52.07	−12 12.5	2.837	3.796	4.9	21.0
4 11	13 44.62	−11 51.5	2.793	3.789	1.9	20.8
4 21	13 36.77	−11 27.1	2.780	3.782	1.2	20.7
5 1	13 29.14	−11 2.2	2.796	3.774	4.3	20.9
5 11	13 22.33	−10 39.9	2.842	3.766	7.1	21.1
5 21	13 16.79	−10 22.9	2.913	3.758	9.7	21.2

279595 2011 EU_{9} 4 16.8 66°.35 0°.1/16.7 15

3 12	14 4.70	−12 52.4	1.677	2.506	15.3	22.1
3 22	14 0.13	−12 19.5	1.618	2.527	11.6	21.9
4 1	13 53.32	−11 33.5	1.581	2.547	7.3	21.7
4 11	13 45.10	−10 38.4	1.570	2.568	2.7	21.4
4 21	13 36.49	− 9 40.3	1.586	2.588	2.0	21.4
5 1	13 28.55	− 8 45.8	1.629	2.609	6.5	21.7
5 11	13 22.18	− 8 0.8	1.698	2.630	10.6	22.0
5 21	13 17.94	− 7 29.3	1.788	2.650	14.0	22.3

152875 2000 AX_{49} 4 16.8 1°.86 2°.3/15.4 18

3 12	14 4.46	− 7 58.7	1.141	2.004	18.7	19.6
3 22	14 1.10	− 7 27.1	1.075	2.003	14.2	19.3
4 1	13 54.53	− 6 42.7	1.029	2.003	8.9	19.0
4 11	13 45.71	− 5 52.0	1.005	2.003	3.6	18.7
4 21	13 36.00	− 5 3.1	1.004	2.003	4.2	18.7
5 1	13 27.00	− 4 24.9	1.027	2.005	9.7	19.0
5 11	13 20.09	− 4 4.2	1.071	2.007	14.9	19.3
5 21	13 16.11	− 4 4.1	1.134	2.009	19.4	19.6

410275 2007 TH_{164} 4 16.8 157°.93 0°.2/16.7 14 C

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 7.40	−12 39.8	1.920	2.737	14.2	22.8
3 22	14 2.07	−12 8.2	1.843	2.745	10.8	22.6
4 1	13 54.56	−11 24.2	1.788	2.751	6.9	22.4
4 11	13 45.60	−10 31.2	1.760	2.757	2.5	22.1
4 21	13 36.11	− 9 34.3	1.761	2.763	1.9	22.1
5 1	13 27.13	− 8 39.6	1.790	2.767	6.3	22.4
5 11	13 19.57	− 7 52.9	1.845	2.771	10.2	22.6
5 21	13 14.04	− 7 18.2	1.924	2.775	13.6	22.8

291017 2005 YQ_{11} 4 16.8 140°.31 0°.3/17.0 18

3 12	14 8.38	−13 16.1	1.526	2.353	16.7	21.3
3 22	14 3.36	−12 58.9	1.452	2.359	12.8	21.0
4 1	13 55.64	−12 26.9	1.401	2.365	8.2	20.8
4 11	13 46.05	−11 43.5	1.374	2.371	3.2	20.5
4 21	13 35.78	−10 53.8	1.373	2.376	2.1	20.4
5 1	13 26.13	−10 5.0	1.399	2.381	7.2	20.7
5 11	13 18.25	− 9 24.1	1.450	2.385	11.8	21.0
5 21	13 12.88	− 8 55.9	1.523	2.389	15.8	21.3

213866 2003 ST_{157} 4 16.8 174°.91 0°.7/17.4 18

3 12	14 7.79	−14 18.5	1.964	2.774	14.2	20.9
3 22	14 2.41	−14 2.3	1.880	2.777	10.9	20.7
4 1	13 54.82	−13 33.3	1.819	2.779	7.1	20.4
4 11	13 45.72	−12 53.7	1.785	2.780	2.9	20.2
4 21	13 36.02	−12 7.8	1.779	2.781	1.7	20.1
5 1	13 26.77	−11 20.8	1.801	2.782	6.0	20.4
5 11	13 18.91	−10 38.6	1.851	2.781	9.9	20.6
5 21	13 13.07	−10 5.6	1.924	2.780	13.4	20.8

14093 1997 OM 4 16.8 221°.03 1°.2/15.6 18

3 12	14 2.70	− 9 17.2	2.214	3.041	12.2	19.6
3 22	13 58.33	− 8 41.7	2.128	3.037	9.2	19.4
4 1	13 52.13	− 7 57.4	2.065	3.032	5.8	19.1
4 11	13 44.69	− 7 8.0	2.030	3.028	2.2	18.9
4 21	13 36.76	− 6 18.1	2.023	3.023	2.4	18.9
5 1	13 29.17	− 5 32.8	2.045	3.018	6.1	19.1
5 11	13 22.68	− 4 56.5	2.094	3.013	9.6	19.3
5 21	13 17.84	− 4 32.2	2.165	3.007	12.6	19.5

64517 2001 VH_{94} 4 16.8 102°.36 4°.0/12.8 18

3 12	14 3.36	− 3 27.6	1.887	2.730	13.3	19.1
3 22	13 58.87	− 2 3.5	1.828	2.746	9.9	18.9
4 1	13 52.43	− 0 33.7	1.794	2.762	6.4	18.8
4 11	13 44.77	+ 0 54.2	1.787	2.777	4.0	18.6
4 21	13 36.76	+ 2 13.0	1.809	2.792	5.3	18.8
5 1	13 29.32	+ 3 16.1	1.857	2.807	8.5	19.0
5 11	13 23.22	+ 3 59.6	1.931	2.821	11.7	19.2
5 21	13 18.98	+ 4 22.3	2.026	2.835	14.6	19.4

518954 2010 HG_{13} 4 16.8 243°.54 4°.2/11.4 16

3 12	14 0.90	+ 2 22.0	2.760	3.596	9.8	22.5
3 22	13 56.64	+ 3 23.4	2.672	3.582	7.5	22.3
4 1	13 50.93	+ 4 25.8	2.609	3.567	5.3	22.2
4 11	13 44.23	+ 5 24.4	2.575	3.552	4.2	22.1
4 21	13 37.12	+ 6 14.7	2.570	3.537	5.2	22.1
5 1	13 30.24	+ 6 52.4	2.593	3.521	7.5	22.2
5 11	13 24.19	+ 7 15.2	2.642	3.505	9.9	22.4
5 21	13 19.44	+ 7 22.0	2.713	3.488	12.2	22.5

191289 2003 FR_{94} 4 16.8 341°.40 5°.3/12.9 17

3 12	14 3.47	+ 0 2.7	1.496	2.355	15.3	19.6
3 22	13 59.66	+ 0 49.0	1.424	2.349	11.7	19.3
4 1	13 53.32	+ 1 37.9	1.375	2.343	7.9	19.1
4 11	13 45.22	+ 2 21.9	1.349	2.337	5.3	18.9
4 21	13 36.42	+ 2 54.0	1.349	2.332	6.6	19.0
5 1	13 28.13	+ 3 8.1	1.373	2.328	10.3	19.2
5 11	13 21.44	+ 3 1.2	1.420	2.325	14.2	19.4
5 21	13 17.07	+ 2 33.2	1.487	2.322	17.7	19.6

337115 1999 SN_8 4 16.8 256°.31 1°.8/15.2 17

3 12	14 7.93	− 5 49.9	2.354	3.174	11.8	20.3
3 22	14 2.35	− 5 33.3	2.245	3.150	9.0	20.1
4 1	13 54.78	− 5 11.5	2.160	3.126	5.7	19.8
4 11	13 45.75	− 4 47.6	2.104	3.101	2.4	19.5
4 21	13 35.99	− 4 25.1	2.078	3.075	2.9	19.5
5 1	13 26.40	− 4 7.9	2.081	3.048	6.4	19.7
5 11	13 17.82	− 3 59.4	2.112	3.021	10.0	19.9
5 21	13 10.92	− 4 1.9	2.166	2.993	13.2	20.0

483388 2016 TD_{57} 4 16.8 50°.93 7°.9/15.2 17

3 12	14 25.16	+ 7 12.7	0.837	1.699	24.0	19.6
3 22	14 16.93	+ 6 41.4	0.803	1.724	18.6	19.4
4 1	14 4.36	+ 5 55.8	0.786	1.750	12.9	19.2
4 11	13 49.20	+ 4 49.7	0.790	1.777	8.5	19.0
4 21	13 33.77	+ 3 22.1	0.817	1.804	8.9	19.1
5 1	13 20.35	+ 1 36.4	0.868	1.832	13.2	19.5
5 11	13 10.50	− 0 21.4	0.939	1.860	18.0	19.8
5 21	13 4.78	− 2 25.2	1.028	1.889	22.0	20.2

506349 2017 OF_{56} 4 16.8 132°.01 2°.1/18.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 5.35	−18 15.7	2.100	2.898	13.8	21.5
3 22	14 0.45	−18 11.6	2.020	2.905	10.8	21.3
4 1	13 53.52	−17 53.2	1.961	2.912	7.4	21.1
4 11	13 45.23	−17 21.9	1.929	2.919	3.8	20.9
4 21	13 36.43	−16 40.8	1.925	2.926	2.3	20.8
5 1	13 28.07	−15 54.6	1.950	2.932	5.4	21.0
5 11	13 21.00	−15 9.1	2.001	2.938	8.9	21.2
5 21	13 15.80	−14 29.2	2.076	2.944	12.1	21.5

107372 2001 CP_{31} 4 16.8 85°.40 3°.8/13.8 18

3 12	14 6.04	− 4 25.5	1.528	2.377	15.6	20.0
3 22	14 1.29	− 3 21.9	1.473	2.394	11.6	19.7
4 1	13 54.13	− 2 11.5	1.441	2.411	7.4	19.5
4 11	13 45.45	− 1 1.9	1.434	2.427	4.1	19.4
4 21	13 36.34	− 0 1.0	1.453	2.444	5.2	19.5
5 1	13 27.96	+ 0 44.5	1.499	2.460	9.1	19.7
5 11	13 21.30	+ 1 10.4	1.569	2.476	12.9	20.0
5 21	13 16.91	+ 1 15.7	1.659	2.492	16.3	20.3

317680 2003 KU_3 4 16.8 308°.49 1°.9/15.8 17

3 12	14 7.54	− 6 45.3	1.290	2.143	17.6	19.8
3 22	14 3.50	− 6 45.7	1.203	2.125	13.6	19.5
4 1	13 56.23	− 6 38.3	1.136	2.107	8.7	19.2
4 11	13 46.47	− 6 27.1	1.092	2.090	3.4	18.8
4 21	13 35.46	− 6 17.1	1.072	2.073	3.6	18.8
5 1	13 24.78	− 6 14.2	1.078	2.056	9.2	19.0
5 11	13 15.96	− 6 23.4	1.105	2.041	14.6	19.3
5 21	13 10.04	− 6 47.6	1.152	2.025	19.3	19.5

297793 2001 YB_{47} 4 16.8 137°.66 1°.4/15.8 18

3 12	14 8.97	− 8 42.1	1.604	2.438	15.7	20.7
3 22	14 3.62	− 8 17.9	1.533	2.445	11.9	20.5
4 1	13 55.71	− 7 43.9	1.485	2.453	7.5	20.2
4 11	13 46.09	− 7 4.4	1.462	2.460	2.8	20.0
4 21	13 35.85	− 6 25.0	1.466	2.466	3.0	20.0
5 1	13 26.23	− 5 51.8	1.497	2.472	7.6	20.3
5 11	13 18.31	− 5 29.8	1.554	2.478	11.9	20.5
5 21	13 12.76	− 5 22.1	1.632	2.483	15.6	20.8

378673 2008 HT_{19} 4 16.8 269°.52 6°.8/10.7 17

3 12	14 5.41	+ 5 32.9	1.852	2.698	13.4	21.7
3 22	14 0.81	+ 6 40.4	1.767	2.679	10.6	21.4
4 1	13 53.94	+ 7 47.1	1.707	2.661	8.0	21.2
4 11	13 45.46	+ 8 45.0	1.672	2.642	6.8	21.1
4 21	13 36.26	+ 9 27.0	1.663	2.623	8.2	21.2
5 1	13 27.40	+ 9 47.5	1.680	2.603	11.1	21.3
5 11	13 19.85	+ 9 43.8	1.721	2.584	14.3	21.4
5 21	13 14.32	+ 9 16.6	1.780	2.564	17.2	21.6

501324 2013 XK_2 4 16.8 170°.10 2°.6/14.1 17

3 12	14 3.83	− 4 35.3	2.369	3.200	11.4	22.6
3 22	13 58.98	− 3 48.2	2.292	3.203	8.5	22.4
4 1	13 52.45	− 2 56.1	2.239	3.206	5.4	22.2
4 11	13 44.81	− 2 3.4	2.215	3.209	2.8	22.1
4 21	13 36.78	− 1 14.9	2.220	3.211	3.6	22.1
5 1	13 29.12	− 0 35.0	2.253	3.212	6.6	22.3
5 11	13 22.52	− 0 7.3	2.314	3.213	9.7	22.5
5 21	13 17.49	+ 0 6.6	2.397	3.214	12.4	22.7

300962 2008 DU_{33} 4 16.8 72°.84 1°.7/18.3 17

3 12	14 5.21	−15 49.1	2.334	3.135	12.5	20.2
3 22	14 0.18	−16 3.6	2.250	3.138	9.7	20.0
4 1	13 53.30	−16 7.8	2.188	3.142	6.5	19.8
4 11	13 45.16	−16 2.7	2.154	3.146	3.2	19.6
4 21	13 36.51	−15 50.1	2.148	3.149	2.0	19.5
5 1	13 28.20	−15 33.4	2.172	3.153	5.0	19.7
5 11	13 21.02	−15 16.3	2.222	3.157	8.3	19.9
5 21	13 15.52	−15 2.5	2.297	3.161	11.2	20.1

305435 2008 CJ_{174} 4 16.8 9°.77 1°.7/14.9 17

3 12	13 59.83	− 8 19.2	2.275	3.108	11.7	20.8
3 22	13 56.08	− 7 24.6	2.195	3.109	8.8	20.6
4 1	13 50.67	− 6 21.5	2.140	3.109	5.4	20.4
4 11	13 44.16	− 5 14.5	2.112	3.109	2.3	20.1
4 21	13 37.25	− 4 8.8	2.113	3.110	2.9	20.2
5 1	13 30.69	− 3 9.9	2.142	3.110	6.2	20.4
5 11	13 25.16	− 2 22.3	2.198	3.110	9.5	20.6
5 21	13 21.17	− 1 48.8	2.276	3.111	12.3	20.8

15751 1991 VN_4 4 16.8 190°.52 4°.7/11.7 18

3 12	14 3.12	+ 3 38.5	2.502	3.338	10.7	17.2
3 22	13 58.37	+ 4 28.6	2.428	3.337	8.2	17.0
4 1	13 52.03	+ 5 17.9	2.379	3.336	5.9	16.9
4 11	13 44.66	+ 6 1.2	2.358	3.334	4.7	16.8
4 21	13 36.90	+ 6 34.3	2.366	3.332	5.6	16.8
5 1	13 29.50	+ 6 53.4	2.401	3.330	7.9	17.0
5 11	13 23.09	+ 6 56.9	2.462	3.328	10.4	17.1
5 21	13 18.15	+ 6 44.5	2.545	3.325	12.7	17.3

284420 2006 XM_5 4 16.8 182°.41 4°.4/10.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 2.73	+ 6 24.5	3.262	4.088	8.7	21.6
3 22	13 57.71	+ 7 11.6	3.188	4.088	6.8	21.5
4 1	13 51.45	+ 7 56.3	3.141	4.088	5.1	21.4
4 11	13 44.41	+ 8 34.7	3.123	4.088	4.4	21.3
4 21	13 37.09	+ 9 3.6	3.135	4.087	5.2	21.4
5 1	13 30.04	+ 9 20.4	3.175	4.085	6.9	21.5
5 11	13 23.77	+ 9 23.8	3.241	4.083	8.8	21.6
5 21	13 18.64	+ 9 13.7	3.331	4.080	10.6	21.7

455926 2005 UN_{294} 4 16.8 163°.10 0°.1/16.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 10.92	−11 30.2	1.630	2.454	16.0	21.5
3 22	14 5.18	−11 22.9	1.553	2.459	12.2	21.2
4 1	13 56.77	−11 3.9	1.499	2.463	7.8	21.0
4 11	13 46.52	−10 36.2	1.469	2.467	2.9	20.7
4 21	13 35.55	−10 4.0	1.467	2.470	2.1	20.6
5 1	13 25.16	− 9 33.0	1.493	2.472	7.1	21.0
5 11	13 16.48	− 9 8.9	1.544	2.474	11.6	21.2
5 21	13 10.24	− 8 55.7	1.617	2.475	15.4	21.5

175049 2004 FK_{100} 4 16.8 230°.05 1°.1/17.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 3.70	−15 16.3	2.476	3.278	11.8	21.2
3 22	13 59.00	−15 10.6	2.380	3.271	9.2	21.0
4 1	13 52.56	−14 54.4	2.308	3.264	6.1	20.8
4 11	13 44.90	−14 29.2	2.262	3.256	2.7	20.5
4 21	13 36.72	−13 57.7	2.246	3.248	1.6	20.4
5 1	13 28.80	−13 23.6	2.259	3.240	4.8	20.6
5 11	13 21.89	−12 51.1	2.299	3.232	8.2	20.8
5 21	13 16.53	−12 24.0	2.365	3.223	11.1	21.0

474326 2002 CJ_{297} 4 16.8 172°.52 5°.1/23.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 4.55	−31 46.9	3.091	3.796	11.7	22.7
3 22	13 59.46	−32 4.0	2.993	3.799	10.0	22.5
4 1	13 52.75	−32 5.3	2.918	3.802	8.0	22.4
4 11	13 44.95	−31 49.9	2.868	3.804	6.2	22.3
4 21	13 36.70	−31 18.4	2.845	3.805	5.2	22.2
5 1	13 28.73	−30 33.2	2.851	3.807	5.6	22.2
5 11	13 21.71	−29 38.7	2.885	3.807	7.1	22.3
5 21	13 16.15	−28 39.8	2.944	3.808	9.0	22.5

290217 2005 SO_{48} 4 16.8 220°.47 0°.3/17.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 5.09	−12 2.4	2.912	3.713	10.3	20.7
3 22	13 59.78	−12 4.0	2.812	3.705	7.9	20.5
4 1	13 52.93	−11 58.9	2.737	3.696	5.1	20.3
4 11	13 45.02	−11 48.3	2.691	3.687	2.0	20.1
4 21	13 36.65	−11 34.4	2.675	3.677	1.3	20.0
5 1	13 28.48	−11 19.8	2.689	3.667	4.4	20.3
5 11	13 21.17	−11 7.4	2.732	3.657	7.4	20.4
5 21	13 15.20	−10 59.8	2.801	3.646	10.0	20.6

199042 2005 WB_{157} 4 16.8 184°.82 0°.5/16.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 8.41	−12 4.7	1.826	2.645	14.7	21.3
3 22	14 3.04	−11 28.7	1.742	2.646	11.2	21.1
4 1	13 55.31	−10 39.6	1.681	2.646	7.1	20.9
4 11	13 45.96	− 9 41.1	1.647	2.645	2.6	20.6
4 21	13 35.97	− 8 38.8	1.641	2.643	2.2	20.5
5 1	13 26.46	− 7 39.4	1.664	2.640	6.8	20.8
5 11	13 18.42	− 6 49.2	1.713	2.637	11.0	21.1
5 21	13 12.53	− 6 12.9	1.784	2.633	14.6	21.3

477744 2010 TX_{177} 4 16.8 240°.12 4°.2/11.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 4.54	+ 5 20.5	3.036	3.861	9.3	21.6
3 22	13 59.24	+ 5 51.0	2.945	3.847	7.2	21.4
4 1	13 52.52	+ 6 19.3	2.880	3.831	5.3	21.2
4 11	13 44.85	+ 6 41.9	2.844	3.816	4.2	21.2
4 21	13 36.78	+ 6 55.3	2.837	3.800	5.0	21.2
5 1	13 28.93	+ 6 57.0	2.859	3.783	7.0	21.3
5 11	13 21.90	+ 6 45.8	2.908	3.766	9.2	21.4
5 21	13 16.12	+ 6 21.5	2.980	3.749	11.3	21.5

295177 2008 FE_{89} 4 16.8 29°.87 4°.6/21.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 4.24	−25 26.0	2.306	3.068	13.8	20.4
3 22	13 59.66	−25 50.4	2.216	3.069	11.3	20.3
4 1	13 53.09	−25 58.5	2.148	3.070	8.6	20.1
4 11	13 45.12	−25 49.6	2.105	3.071	6.0	19.9
4 21	13 36.57	−25 24.8	2.088	3.072	4.6	19.8
5 1	13 28.34	−24 47.2	2.099	3.073	5.9	19.9
5 11	13 21.30	−24 2.3	2.138	3.074	8.4	20.1
5 21	13 16.04	−23 15.8	2.200	3.075	11.2	20.2

17732 1998 AQ_{10} 4 16.8 32°.06 3°.5/13.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 3.68	− 4 6.6	1.639	2.489	14.7	18.6
3 22	13 59.55	− 3 18.7	1.570	2.492	11.0	18.4
4 1	13 53.11	− 2 24.5	1.525	2.495	7.0	18.1
4 11	13 45.13	− 1 30.4	1.504	2.498	3.8	17.9
4 21	13 36.60	− 0 43.0	1.511	2.502	4.8	18.0
5 1	13 28.61	− 0 8.5	1.543	2.506	8.6	18.2
5 11	13 22.12	+ 0 9.0	1.599	2.510	12.5	18.5
5 21	13 17.77	+ 0 8.1	1.676	2.515	15.9	18.7

135461 2001 VE_{74} 4 16.8 172°.38 5°.5/22.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 7.22	−29 45.6	2.344	3.076	14.4	20.4
3 22	14 1.92	−29 56.8	2.251	3.079	12.1	20.2
4 1	13 54.50	−29 48.2	2.179	3.082	9.5	20.1
4 11	13 45.65	−29 18.7	2.132	3.085	7.0	19.9
4 21	13 36.21	−28 29.4	2.112	3.086	5.5	19.8
5 1	13 27.17	−27 24.5	2.120	3.087	6.3	19.9
5 11	13 19.43	−26 10.3	2.156	3.088	8.6	20.0
5 21	13 13.60	−24 54.0	2.216	3.088	11.3	20.2

175720 1997 EB_{12} 4 16.8 159°.20 1°.6/18.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 2.54	−18 35.2	2.982	3.764	10.5	21.7
3 22	13 57.77	−18 20.2	2.894	3.771	8.2	21.6
4 1	13 51.59	−17 54.3	2.830	3.777	5.6	21.4
4 11	13 44.50	−17 18.9	2.794	3.783	2.9	21.2
4 21	13 37.06	−16 36.4	2.788	3.788	1.7	21.1
5 1	13 29.92	−15 50.4	2.811	3.793	4.0	21.3
5 11	13 23.65	−15 4.7	2.864	3.797	6.7	21.5
5 21	13 18.69	−14 23.0	2.943	3.801	9.2	21.7

80032 1999 JW_{18} 4 16.8 329°.58 2°.0/18.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 5.88	−15 31.7	1.964	2.774	14.2	18.5
3 22	14 1.16	−15 57.9	1.873	2.766	11.1	18.3
4 1	13 54.18	−16 13.2	1.804	2.759	7.5	18.0
4 11	13 45.58	−16 18.0	1.761	2.753	3.7	17.8
4 21	13 36.23	−16 14.0	1.745	2.746	2.4	17.7
5 1	13 27.20	−16 4.4	1.757	2.740	5.8	17.9
5 11	13 19.45	−15 53.5	1.796	2.734	9.7	18.1
5 21	13 13.70	−15 45.7	1.858	2.729	13.1	18.3

13574 1993 FX_{79} 4 16.8 261°.39 0°.3/16.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 4.57	−12 28.6	1.745	2.573	14.9	18.2
3 22	14 0.38	−11 58.4	1.653	2.561	11.4	17.9
4 1	13 53.78	−11 14.2	1.582	2.548	7.3	17.7
4 11	13 45.45	−10 19.4	1.538	2.535	2.7	17.3
4 21	13 36.33	− 9 19.3	1.520	2.522	2.1	17.3
5 1	13 27.56	− 8 20.6	1.529	2.509	6.9	17.5
5 11	13 20.19	− 7 30.5	1.564	2.495	11.4	17.8
5 21	13 14.96	− 6 53.9	1.621	2.481	15.3	18.0

115872 2003 UC_{280} 4 16.8 298°.75 5°.8/12.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 5.32	+ 0 36.3	1.478	2.334	15.6	19.3
3 22	14 1.15	+ 1 33.4	1.404	2.326	12.0	19.1
4 1	13 54.34	+ 2 33.5	1.352	2.318	8.2	18.9
4 11	13 45.66	+ 3 28.3	1.324	2.310	5.8	18.7
4 21	13 36.21	+ 4 9.9	1.322	2.303	7.2	18.7
5 1	13 27.27	+ 4 31.5	1.345	2.295	10.9	18.9
5 11	13 19.99	+ 4 29.8	1.390	2.288	14.9	19.1
5 21	13 15.12	+ 4 4.9	1.454	2.281	18.4	19.4

378744 2008 RR_{67} 4 16.8 159°.17 0°.3/17.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 5.58	−12 24.6	1.955	2.774	13.8	21.7
3 22	14 0.78	−12 19.1	1.872	2.775	10.6	21.4
4 1	13 53.83	−12 3.1	1.813	2.776	6.8	21.2
4 11	13 45.41	−11 38.9	1.780	2.777	2.7	21.0
4 21	13 36.40	−11 10.1	1.774	2.777	1.7	20.9
5 1	13 27.80	−10 41.2	1.797	2.778	6.0	21.2
5 11	13 20.53	−10 17.1	1.846	2.778	9.9	21.4
5 21	13 15.21	−10 1.5	1.918	2.778	13.3	21.6

500025 2011 SS_6 4 16.8 131°.59 3°.1/19.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 4.19	−21 33.3	2.509	3.284	12.4	21.7
3 22	13 59.35	−21 43.5	2.422	3.290	10.0	21.6
4 1	13 52.75	−21 40.2	2.359	3.295	7.1	21.4
4 11	13 44.97	−21 23.8	2.321	3.301	4.4	21.2
4 21	13 36.72	−20 56.1	2.312	3.306	3.1	21.1
5 1	13 28.80	−20 20.4	2.332	3.311	4.9	21.3
5 11	13 21.96	−19 41.5	2.379	3.316	7.7	21.4
5 21	13 16.72	−19 3.9	2.452	3.321	10.4	21.6

262077 2006 RN_{61} 4 16.8 215°.02 0°.2/16.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 6.27	−12 31.7	2.035	2.851	13.5	22.2
3 22	14 1.29	−12 1.8	1.942	2.844	10.4	22.0
4 1	13 54.17	−11 19.8	1.872	2.835	6.6	21.7
4 11	13 45.56	−10 28.7	1.829	2.827	2.5	21.4
4 21	13 36.29	− 9 33.0	1.815	2.817	1.9	21.4
5 1	13 27.37	− 8 38.5	1.829	2.807	6.2	21.6
5 11	13 19.71	− 7 51.1	1.870	2.796	10.1	21.8
5 21	13 13.96	− 7 15.1	1.935	2.785	13.6	22.0

190350 1998 WD_{28} 4 16.8 55°.74 2°.2/18.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 3.42	−19 26.0	1.479	2.298	17.5	20.1
3 22	13 59.60	−18 53.1	1.416	2.314	13.7	19.9
4 1	13 53.22	−17 58.1	1.374	2.330	9.2	19.6
4 11	13 45.18	−16 44.7	1.355	2.347	4.5	19.4
4 21	13 36.63	−15 19.5	1.362	2.364	2.5	19.3
5 1	13 28.81	−13 51.6	1.395	2.381	6.6	19.6
5 11	13 22.76	−12 30.5	1.454	2.398	11.0	19.9
5 21	13 19.08	−11 23.4	1.534	2.415	14.8	20.2

504208 2006 UV_{38} 4 16.8 132.°64 0.°1/16.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 2.39	−12 0.0	2.759	3.569	10.5	22.9
3 22	13 57.69	−11 35.5	2.681	3.580	8.0	22.8
4 1	13 51.55	−11 2.9	2.628	3.591	5.0	22.6
4 11	13 44.49	−10 24.9	2.604	3.601	1.9	22.4
4 21	13 37.12	− 9 44.6	2.609	3.611	1.4	22.4
5 1	13 30.08	− 9 5.8	2.644	3.621	4.6	22.6
5 11	13 23.98	− 8 31.9	2.707	3.630	7.5	22.8
5 21	13 19.22	− 8 5.7	2.795	3.639	10.0	23.0

384243 2009 DA_{94} 4 16.8 2.°12 5.°8/10.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	13 58.73	+ 1 40.0	1.922	2.778	12.5	20.7
3 22	13 55.52	+ 3 19.3	1.857	2.778	9.6	20.5
4 1	13 50.43	+ 5 1.1	1.816	2.778	6.9	20.3
4 11	13 44.12	+ 6 37.0	1.801	2.778	5.8	20.3
4 21	13 37.37	+ 7 59.1	1.814	2.778	7.2	20.3
5 1	13 31.04	+ 9 1.1	1.853	2.779	10.0	20.5
5 11	13 25.89	+ 9 39.4	1.915	2.781	12.9	20.7
5 21	13 22.47	+ 9 53.7	1.997	2.783	15.5	20.9

378961 2008 UH_{204} 4 16.8 152.°54 2.°5/19.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 4.18	−19 48.2	2.169	2.961	13.6	20.9
3 22	13 59.58	−19 41.3	2.084	2.964	10.8	20.7
4 1	13 53.00	−19 19.1	2.021	2.968	7.5	20.5
4 11	13 45.10	−18 43.0	1.984	2.971	4.1	20.3
4 21	13 36.67	−17 55.9	1.974	2.973	2.6	20.2
5 1	13 28.63	−17 2.6	1.994	2.976	5.3	20.4
5 11	13 21.82	−16 8.9	2.040	2.978	8.7	20.6
5 21	13 16.81	−15 20.3	2.110	2.981	11.8	20.8

87863 2000 SE_{234} 4 16.8 238.°37 1.°5/15.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 4.47	− 6 15.1	2.390	3.216	11.4	19.6
3 22	13 59.55	− 6 2.0	2.303	3.211	8.6	19.4
4 1	13 52.89	− 5 44.1	2.240	3.207	5.4	19.2
4 11	13 45.04	− 5 24.4	2.205	3.202	2.2	19.0
4 21	13 36.71	− 5 6.2	2.200	3.197	2.6	19.0
5 1	13 28.68	− 4 52.9	2.223	3.193	5.9	19.2
5 11	13 21.70	− 4 47.4	2.273	3.188	9.1	19.4
5 21	13 16.29	− 4 51.5	2.347	3.183	12.0	19.6

295754 2008 UM_{131} 4 16.8 305.°72 0.°8/16.4 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 8.32	− 9 7.2	1.284	2.132	18.0	20.5
3 22	14 4.02	− 9 10.5	1.204	2.122	13.9	20.2
4 1	13 56.51	− 9 3.5	1.143	2.113	8.9	19.9
4 11	13 46.59	− 8 49.3	1.105	2.104	3.3	19.6
4 21	13 35.54	− 8 32.6	1.093	2.095	2.9	19.5
5 1	13 24.97	− 8 19.5	1.105	2.086	8.6	19.8
5 11	13 16.35	− 8 15.7	1.139	2.078	14.0	20.1
5 21	13 10.64	− 8 25.3	1.194	2.070	18.6	20.3

378257 2007 DS_{48} 4 16.8 246.°89 5.°7/21.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 8.88	−27 17.0	2.229	2.975	14.6	20.6
3 22	14 3.53	−27 51.3	2.118	2.957	12.3	20.4
4 1	13 55.80	−28 8.4	2.027	2.939	9.6	20.2
4 11	13 46.25	−28 6.0	1.962	2.920	7.0	20.0
4 21	13 35.77	−27 43.9	1.923	2.901	5.7	19.9
5 1	13 25.44	−27 4.4	1.913	2.881	6.8	19.9
5 11	13 16.33	−26 13.2	1.929	2.860	9.6	20.0
5 21	13 9.24	−25 17.3	1.970	2.839	12.6	20.2

403823 2011 UD_{162} 4 16.8 203.°34 0.°6/16.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 8.58	−10 52.0	1.886	2.706	14.3	22.5
3 22	14 3.17	−10 26.0	1.797	2.702	10.9	22.3
4 1	13 55.43	− 9 48.8	1.732	2.697	6.9	22.1
4 11	13 46.05	− 9 3.8	1.693	2.691	2.5	21.8
4 21	13 35.98	− 8 15.7	1.682	2.684	2.3	21.7
5 1	13 26.30	− 7 30.4	1.700	2.676	6.7	22.0
5 11	13 18.02	− 6 53.6	1.744	2.668	10.9	22.2
5 21	13 11.85	− 6 29.2	1.811	2.659	14.5	22.4

101762 1999 FO_{37} 4 16.8 93.°17 3.°7/19.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 8.64	−21 55.1	1.852	2.636	15.9	18.7
3 22	14 3.14	−22 6.0	1.784	2.657	12.7	18.5
4 1	13 55.31	−21 58.8	1.738	2.678	9.0	18.3
4 11	13 45.95	−21 33.8	1.717	2.698	5.4	18.2
4 21	13 36.11	−20 53.9	1.723	2.718	3.8	18.1
5 1	13 26.90	−20 4.4	1.756	2.737	6.1	18.3
5 11	13 19.29	−19 12.3	1.817	2.756	9.5	18.5
5 21	13 13.90	−18 23.9	1.900	2.775	12.7	18.8

412914 2014 QR_{136} 4 16.8 354.°78 4.°6/13.4 14 C

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	13 57.92	− 6 20.5	1.046	1.927	18.7	20.2
3 22	13 56.30	− 4 57.5	0.983	1.921	14.1	19.9
4 1	13 51.60	− 3 18.8	0.940	1.917	9.0	19.6
4 11	13 44.72	− 1 35.4	0.919	1.914	4.9	19.3
4 21	13 36.97	− 0 0.4	0.920	1.913	6.6	19.4
5 1	13 29.91	+ 1 13.4	0.943	1.912	11.7	19.7
5 11	13 24.86	+ 1 57.9	0.986	1.913	16.7	20.0
5 21	13 22.61	+ 2 10.9	1.045	1.915	21.1	20.2

373330 2012 JZ_{24} 4 16.8 315.°03 7.°9/11.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 7.60	+ 7 38.0	1.558	2.408	15.3	19.8
3 22	14 2.80	+ 8 22.7	1.484	2.396	12.2	19.6
4 1	13 55.36	+ 9 1.9	1.432	2.385	9.3	19.4
4 11	13 46.07	+ 9 27.3	1.404	2.374	7.9	19.3
4 21	13 36.02	+ 9 32.1	1.401	2.363	9.1	19.3
5 1	13 26.47	+ 9 12.1	1.422	2.353	12.1	19.5
5 11	13 18.57	+ 8 26.7	1.466	2.343	15.6	19.6
5 21	13 13.06	+ 7 18.7	1.529	2.333	18.7	19.8

409023 2003 EJ_{46} 4 16.8 348.°73 5.°0/18.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 5.08	−16 53.4	1.019	1.870	21.4	20.0
3 22	14 2.41	−18 5.9	0.946	1.860	17.2	19.7
4 1	13 55.96	−19 2.8	0.891	1.852	12.2	19.4
4 11	13 46.53	−19 41.2	0.855	1.845	7.1	19.1
4 21	13 35.61	−19 59.9	0.841	1.840	5.2	19.0
5 1	13 25.18	−20 2.3	0.848	1.836	9.2	19.2
5 11	13 17.11	−19 56.1	0.876	1.834	14.6	19.5
5 21	13 12.59	−19 49.9	0.922	1.833	19.6	19.7

389791 2011 UQ_{79} 4 16.8 279.°30 0.°1/16.8 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 4.61	−10 57.4	2.323	3.139	12.0	21.3
3 22	13 59.86	−10 56.7	2.222	3.124	9.2	21.1
4 1	13 53.22	−10 48.2	2.146	3.109	5.9	20.9
4 11	13 45.23	−10 33.9	2.097	3.094	2.2	20.6
4 21	13 36.62	−10 16.5	2.077	3.079	1.6	20.5
5 1	13 28.23	− 9 59.4	2.085	3.064	5.4	20.8
5 11	13 20.87	− 9 46.3	2.121	3.049	9.0	21.0
5 21	13 15.15	− 9 40.4	2.181	3.034	12.2	21.1

519410 2011 SP_{280} 4 16.8 124.°23 0.°3/17.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 0.22	−14 29.3	2.457	3.269	11.6	21.4
3 22	13 56.30	−13 48.4	2.373	3.271	8.9	21.2
4 1	13 50.81	−12 55.8	2.313	3.274	5.7	21.1
4 11	13 44.27	−11 54.7	2.280	3.277	2.2	20.8
4 21	13 37.35	−10 49.4	2.276	3.279	1.4	20.8
5 1	13 30.76	− 9 44.9	2.302	3.282	4.9	21.0
5 11	13 25.18	− 8 46.3	2.355	3.284	8.2	21.2
5 21	13 21.05	− 7 57.4	2.433	3.286	11.0	21.4

502744 2015 DW_{44} 4 16.8 89.°91 1.°2/15.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 4.73	− 8 39.2	1.938	2.769	13.5	21.4
3 22	14 0.10	− 8 18.6	1.860	2.771	10.2	21.2
4 1	13 53.39	− 7 49.8	1.805	2.773	6.4	21.0
4 11	13 45.28	− 7 16.4	1.777	2.775	2.4	20.7
4 21	13 36.63	− 6 42.9	1.777	2.777	2.5	20.7
5 1	13 28.42	− 6 14.1	1.804	2.779	6.5	21.0
5 11	13 21.51	− 5 54.3	1.857	2.781	10.3	21.2
5 21	13 16.52	− 5 46.2	1.933	2.782	13.6	21.4

42666 1998 HU_{6} 4 16.8 250.°15 3.°6/13.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 6.77	− 3 23.1	1.832	2.671	13.8	18.9
3 22	14 1.92	− 2 38.1	1.741	2.656	10.5	18.7
4 1	13 54.73	− 1 47.0	1.672	2.640	6.8	18.4
4 11	13 45.85	− 0 55.2	1.630	2.623	3.8	18.2
4 21	13 36.19	− 0 9.1	1.616	2.606	4.9	18.2
5 1	13 26.84	+ 0 25.4	1.629	2.588	8.6	18.4
5 11	13 18.83	+ 0 43.6	1.666	2.570	12.5	18.6
5 21	13 12.89	+ 0 43.6	1.726	2.551	16.0	18.8

188000 2001 SR_{204} 4 16.8 178.°55 2.°1/14.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 4.56	− 7 21.9	2.026	2.858	13.0	21.5
3 22	13 59.87	− 6 31.7	1.947	2.859	9.8	21.3
4 1	13 53.20	− 5 33.0	1.892	2.860	6.1	21.0
4 11	13 45.20	− 4 30.7	1.864	2.860	2.7	20.8
4 21	13 36.70	− 3 30.6	1.865	2.860	3.4	20.9
5 1	13 28.63	− 2 38.5	1.893	2.860	7.0	21.1
5 11	13 21.81	− 1 59.2	1.948	2.859	10.6	21.3
5 21	13 16.80	− 1 35.3	2.026	2.858	13.8	21.5

208177 2000 QR_{70} 4 16.8 246.°41 12.°6/23.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 18.63	−38 29.2	1.828	2.509	19.5	20.6
3 22	14 12.43	−40 30.4	1.727	2.496	17.6	20.4
4 1	14 2.38	−42 11.0	1.645	2.482	15.5	20.2
4 11	13 49.06	−43 21.8	1.584	2.468	13.7	20.0
4 21	13 33.71	−43 55.6	1.545	2.454	12.7	19.9
5 1	13 18.23	−43 50.2	1.531	2.439	13.0	19.9
5 11	13 4.61	−43 11.0	1.539	2.423	14.5	20.0
5 21	12 54.32	−42 8.7	1.568	2.407	16.7	20.1

210742 2000 UV_{66} 4 16.8 185.°83 1.°9/18.5 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 8.81	−17 49.2	2.062	2.855	14.2	21.9
3 22	14 3.22	−17 41.4	1.972	2.856	11.1	21.6
4 1	13 55.41	−17 18.8	1.904	2.855	7.5	21.4
4 11	13 46.06	−16 42.8	1.863	2.854	3.8	21.2
4 21	13 36.08	−15 56.5	1.851	2.852	2.2	21.1
5 1	13 26.49	−15 5.0	1.867	2.849	5.7	21.3
5 11	13 18.25	−14 14.4	1.911	2.845	9.5	21.5
5 21	13 12.01	−13 30.2	1.979	2.840	12.9	21.7

240069 2001 YY_6 4 16.8 280°.06 2°.5/18.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 9.06	−16 23.8	1.531	2.348	17.1	20.7
3 22	14 4.57	−16 40.3	1.424	2.322	13.7	20.4
4 1	13 56.97	−16 41.6	1.337	2.295	9.4	20.1
4 11	13 46.88	−16 27.2	1.275	2.267	4.7	19.7
4 21	13 35.37	−15 59.1	1.237	2.239	2.9	19.5
5 1	13 23.91	−15 22.3	1.226	2.210	7.6	19.7
5 11	13 14.02	−14 44.1	1.240	2.182	12.8	19.9
5 21	13 6.81	−14 12.2	1.275	2.152	17.5	20.1

9326 Ruta 4 16.8 266°.22 2°.8/14.2 18

3 12	14 2.73	− 5 1.8	1.976	2.817	12.9	18.5
3 22	13 58.58	− 4 14.1	1.896	2.812	9.7	18.3
4 1	13 52.43	− 3 19.9	1.839	2.808	6.2	18.0
4 11	13 44.93	− 2 24.1	1.809	2.803	3.1	17.8
4 21	13 36.90	− 1 32.7	1.806	2.799	4.0	17.9
5 1	13 29.25	− 0 51.1	1.831	2.794	7.5	18.1
5 11	13 22.82	− 0 23.7	1.882	2.790	11.1	18.3
5 21	13 18.20	− 0 12.5	1.954	2.785	14.2	18.5

141100 2001 XV_{53} 4 16.8 161°.49 0°.8/15.8 18

3 12	14 2.00	− 9 31.9	2.848	3.663	10.1	20.8
3 22	13 57.39	− 8 58.6	2.766	3.669	7.6	20.7
4 1	13 51.38	− 8 18.6	2.709	3.674	4.7	20.5
4 11	13 44.48	− 7 34.8	2.681	3.678	1.7	20.3
4 21	13 37.24	− 6 50.5	2.683	3.683	1.8	20.3
5 1	13 30.31	− 6 9.6	2.714	3.686	4.8	20.5
5 11	13 24.25	− 5 35.4	2.774	3.690	7.6	20.7
5 21	13 19.49	− 5 10.3	2.859	3.693	10.1	20.9

150564 2000 SV_{284} 4 16.8 202°.71 1°.8/18.9 17

3 12	14 1.97	−18 54.8	2.681	3.469	11.4	20.8
3 22	13 57.59	−18 38.9	2.586	3.466	9.0	20.7
4 1	13 51.63	−18 10.4	2.515	3.462	6.1	20.5
4 11	13 44.60	−17 31.0	2.470	3.459	3.2	20.3
4 21	13 37.14	−16 43.2	2.455	3.455	1.9	20.2
5 1	13 29.96	−15 51.0	2.469	3.451	4.4	20.3
5 11	13 23.71	−14 59.2	2.511	3.447	7.4	20.5
5 21	13 18.89	−14 11.9	2.579	3.442	10.2	20.7

348312 2005 AR_{72} 4 16.8 260°.64 5°.6/28.3 18

3 12	14 0.10	−43 2.3	4.719	5.319	9.1	20.8
3 22	13 55.84	−43 32.3	4.616	5.318	8.2	20.7
4 1	13 50.38	−43 49.1	4.532	5.316	7.2	20.6
4 11	13 44.11	−43 51.7	4.471	5.315	6.4	20.6
4 21	13 37.49	−43 40.0	4.435	5.314	5.8	20.5
5 1	13 31.02	−43 14.8	4.425	5.312	5.6	20.5
5 11	13 25.20	−42 38.5	4.440	5.311	6.0	20.5
5 21	13 20.41	−41 54.0	4.481	5.310	6.8	20.6

22096 2000 AF_{229} 4 16.8 88°.48 7°.3/24.6 18

3 12	14 7.79	−33 59.5	2.118	2.832	16.2	18.5
3 22	14 2.54	−34 28.3	2.046	2.853	13.9	18.3
4 1	13 54.98	−34 33.8	1.993	2.873	11.3	18.2
4 11	13 45.88	−34 13.9	1.963	2.894	8.9	18.1
4 21	13 36.26	−33 29.6	1.958	2.913	7.5	18.0
5 1	13 27.24	−32 25.0	1.979	2.933	7.7	18.1
5 11	13 19.77	−31 7.6	2.026	2.953	9.5	18.2
5 21	13 14.47	−29 45.7	2.098	2.972	11.8	18.4

214476 Stephencolbert 4 16.8 268°.57 3°.2/13.2 18

3 12	14 0.21	− 3 4.2	2.369	3.209	11.1	20.2
3 22	13 56.36	− 2 5.2	2.286	3.202	8.3	20.0
4 1	13 50.89	− 1 1.3	2.229	3.196	5.4	19.8
4 11	13 44.34	+ 0 2.3	2.199	3.190	3.3	19.7
4 21	13 37.36	+ 1 0.3	2.198	3.184	4.3	19.7
5 1	13 30.68	+ 1 47.9	2.225	3.177	7.1	19.9
5 11	13 24.98	+ 2 21.5	2.278	3.171	10.1	20.0
5 21	13 20.75	+ 2 39.2	2.353	3.165	12.7	20.2

42439 2355 T-$_3$ 4 16.8 85°.88 1°.8/18.2 18

3 12	14 9.33	−15 40.5	1.919	2.723	14.7	18.6
3 22	14 3.56	−15 57.8	1.850	2.741	11.4	18.4
4 1	13 55.56	−16 2.9	1.804	2.759	7.6	18.2
4 11	13 46.09	−15 56.7	1.784	2.776	3.6	18.0
4 21	13 36.14	−15 41.9	1.792	2.794	2.2	18.0
5 1	13 26.75	−15 22.3	1.829	2.811	5.7	18.2
5 11	13 18.86	−15 2.9	1.892	2.828	9.4	18.5
5 21	13 13.07	−14 47.9	1.979	2.845	12.7	18.7

12648 Ibarbourou 4 16.8 315°.75 4°.7/19.9 18

3 12	14 5.85	−21 32.4	1.463	2.272	18.2	17.7
3 22	14 2.00	−22 0.8	1.377	2.264	14.8	17.4
4 1	13 55.18	−22 9.0	1.310	2.256	10.8	17.1
4 11	13 46.13	−21 55.8	1.266	2.249	6.7	16.9
4 21	13 36.03	−21 22.5	1.246	2.242	4.7	16.7
5 1	13 26.34	−20 34.5	1.252	2.235	7.5	16.9
5 11	13 18.43	−19 40.5	1.281	2.228	11.9	17.1
5 21	13 13.22	−18 49.3	1.331	2.222	16.0	17.3

341149 2007 PL_{28} 4 16.8 322°.53 2°.6/14.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	13 58.94	− 9 0.5	1.727	2.574	14.2	20.8
3 22	13 56.03	− 7 35.3	1.642	2.563	10.6	20.6
4 1	13 50.98	− 5 55.6	1.582	2.553	6.6	20.3
4 11	13 44.44	− 4 8.4	1.547	2.544	3.0	20.1
4 21	13 37.29	− 2 22.4	1.540	2.535	4.2	20.1
5 1	13 30.52	− 0 47.2	1.560	2.526	8.3	20.4
5 11	13 25.07	+ 0 29.8	1.604	2.517	12.3	20.6
5 21	13 21.56	+ 1 24.3	1.670	2.509	15.9	20.8

27462 2000 GJ_{55} 4 16.8 157°.70 1°.0/15.9 18

3 12	14 5.51	−10 3.8	1.899	2.726	13.9	19.3
3 22	14 0.73	− 9 29.0	1.821	2.730	10.5	19.1
4 1	13 53.81	− 8 43.7	1.767	2.734	6.6	18.8
4 11	13 45.46	− 7 52.2	1.740	2.738	2.4	18.6
4 21	13 36.58	− 6 59.6	1.740	2.741	2.5	18.6
5 1	13 28.17	− 6 11.8	1.769	2.743	6.6	18.8
5 11	13 21.12	− 5 34.1	1.823	2.746	10.5	19.1
5 21	13 16.04	− 5 9.9	1.900	2.748	13.9	19.3

248191 2005 CK_6 4 16.8 81°.25 1°.4/17.9 18

3 12	14 7.18	−15 51.4	1.503	2.326	17.1	20.4
3 22	14 2.47	−15 39.9	1.437	2.340	13.2	20.2
4 1	13 55.10	−15 11.4	1.392	2.353	8.7	20.0
4 11	13 45.97	−14 28.7	1.371	2.366	3.8	19.7
4 21	13 36.25	−13 36.8	1.377	2.379	2.1	19.6
5 1	13 27.22	−12 43.1	1.409	2.393	6.8	19.9
5 11	13 19.99	−11 54.8	1.465	2.406	11.3	20.2
5 21	13 15.23	−11 17.9	1.544	2.418	15.1	20.5

306641 2000 SS_{41} 4 16.8 151°.72 0°.3/16.7 18

3 12	14 11.32	−10 34.0	1.906	2.721	14.3	21.5
3 22	14 5.10	−10 28.7	1.829	2.730	10.9	21.3
4 1	13 56.58	−10 14.2	1.776	2.739	6.9	21.1
4 11	13 46.50	− 9 53.1	1.750	2.747	2.6	20.8
4 21	13 35.86	− 9 29.1	1.752	2.754	2.0	20.8
5 1	13 25.74	− 9 6.6	1.783	2.760	6.3	21.0
5 11	13 17.13	− 8 50.0	1.841	2.766	10.3	21.3
5 21	13 10.66	− 8 42.7	1.923	2.771	13.7	21.5

470919 2009 DD_{102} 4 16.8 311°.30 4°.8/11.7 17

3 12	14 1.05	+ 1 24.9	2.164	3.009	11.7	21.2
3 22	13 57.10	+ 2 30.5	2.091	3.007	9.0	21.0
4 1	13 51.40	+ 3 37.5	2.043	3.005	6.3	20.8
4 11	13 44.54	+ 4 39.8	2.022	3.002	4.8	20.7
4 21	13 37.25	+ 5 31.7	2.028	3.000	5.9	20.8
5 1	13 30.32	+ 6 8.2	2.061	2.998	8.6	20.9
5 11	13 24.49	+ 6 26.6	2.119	2.996	11.4	21.1
5 21	13 20.27	+ 6 26.3	2.198	2.994	14.0	21.3

69492 1997 AG_7 4 16.8 93°.76 0°.3/16.6 18

3 12	14 7.78	−12 53.4	1.674	2.498	15.6	20.5
3 22	14 2.47	−12 13.5	1.616	2.522	11.8	20.3
4 1	13 54.86	−11 20.0	1.581	2.545	7.4	20.1
4 11	13 45.81	−10 17.5	1.571	2.568	2.7	19.8
4 21	13 36.39	− 9 12.3	1.589	2.591	2.1	19.8
5 1	13 27.71	− 8 11.5	1.634	2.613	6.7	20.2
5 11	13 20.69	− 7 21.3	1.706	2.634	10.8	20.4
5 21	13 15.88	− 6 45.6	1.799	2.655	14.2	20.7

422518 2014 TK_8 4 16.8 156°.80 1°.5/17.9 16

3 12	14 8.40	−15 43.3	1.841	2.649	15.0	22.1
3 22	14 3.08	−15 39.6	1.760	2.655	11.7	21.9
4 1	13 55.39	−15 22.0	1.702	2.660	7.7	21.6
4 11	13 46.09	−14 52.2	1.670	2.664	3.5	21.4
4 21	13 36.15	−14 13.8	1.666	2.668	2.0	21.3
5 1	13 26.71	−13 32.0	1.689	2.671	6.1	21.5
5 11	13 18.76	−12 52.9	1.739	2.674	10.1	21.8
5 21	13 12.97	−12 21.5	1.812	2.677	13.7	22.0

413247 2003 SY_{273} 4 16.8 218°.78 1°.5/15.5 16

3 12	14 6.85	− 8 52.0	2.025	2.849	13.3	22.8
3 22	14 1.76	− 8 10.1	1.932	2.839	10.1	22.5
4 1	13 54.52	− 7 18.1	1.863	2.829	6.3	22.3
4 11	13 45.77	− 6 20.2	1.821	2.818	2.5	22.0
4 21	13 36.37	− 5 21.8	1.807	2.806	2.9	22.0
5 1	13 27.29	− 4 28.9	1.823	2.793	6.9	22.2
5 11	13 19.47	− 3 46.9	1.865	2.780	10.8	22.5
5 21	13 13.55	− 3 19.2	1.930	2.765	14.2	22.6

31703 1999 JZ_{43} 4 16.8 209°.75 3°.4/20.8 18

3 12	14 2.93	−24 16.2	2.713	3.473	12.0	18.7
3 22	13 58.40	−24 13.3	2.613	3.468	9.7	18.5
4 1	13 52.20	−23 55.5	2.536	3.463	7.2	18.3
4 11	13 44.86	−23 23.3	2.485	3.458	4.7	18.2
4 21	13 37.04	−22 38.3	2.462	3.452	3.4	18.1
5 1	13 29.48	−21 44.3	2.468	3.446	4.8	18.2
5 11	13 22.89	−20 46.0	2.502	3.439	7.4	18.3
5 21	13 17.79	−19 48.7	2.562	3.432	10.0	18.5

434490 2005 SP_{23} 4 16.8 251°.21 2°.5/13.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 0.23	− 5 24.5	2.579	3.411	10.5	21.4
3 22	13 56.31	− 4 18.9	2.484	3.397	7.9	21.2
4 1	13 50.85	− 3 6.3	2.416	3.383	5.0	21.0
4 11	13 44.35	− 1 51.6	2.376	3.369	2.7	20.8
4 21	13 37.41	− 0 39.7	2.365	3.355	3.6	20.8
5 1	13 30.70	+ 0 23.9	2.384	3.340	6.5	21.0
5 11	13 24.87	+ 1 15.2	2.429	3.325	9.4	21.2
5 21	13 20.41	+ 1 51.6	2.498	3.310	12.1	21.3

139968 2001 SQ_{12} 4 16.9 209°.12 2°.6/13.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 1.09	− 4 24.9	2.679	3.509	10.2	21.5
3 22	13 56.85	− 3 20.9	2.592	3.504	7.6	21.3
4 1	13 51.13	− 2 11.4	2.531	3.498	4.9	21.2
4 11	13 44.44	− 1 1.1	2.499	3.491	2.8	21.0
4 21	13 37.36	+ 0 5.4	2.497	3.484	3.7	21.0
5 1	13 30.55	+ 1 3.1	2.524	3.477	6.3	21.2
5 11	13 24.62	+ 1 48.5	2.578	3.469	9.1	21.4
5 21	13 20.03	+ 2 19.4	2.656	3.461	11.6	21.5

504631 2008 VF_{69} 4 16.9 309°.55 1°.8/15.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 3.95	− 7 2.6	1.900	2.737	13.5	21.3
3 22	13 59.62	− 6 36.3	1.818	2.733	10.2	21.0
4 1	13 53.17	− 6 2.6	1.760	2.729	6.4	20.8
4 11	13 45.26	− 5 25.6	1.728	2.725	2.6	20.5
4 21	13 36.77	− 4 50.3	1.723	2.721	3.1	20.6
5 1	13 28.67	− 4 21.5	1.745	2.717	7.0	20.8
5 11	13 21.87	− 4 3.7	1.793	2.714	10.8	21.0
5 21	13 16.98	− 3 59.2	1.864	2.710	14.2	21.2

522837 2016 ND_{84} 4 16.9 24°.96 1°.2/18.0 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 1.42	−16 11.7	2.051	2.864	13.5	21.1
3 22	13 57.58	−15 52.7	1.970	2.868	10.5	20.9
4 1	13 51.81	−15 20.1	1.913	2.871	6.9	20.7
4 11	13 44.74	−14 36.2	1.881	2.875	3.1	20.5
4 21	13 37.19	−13 44.9	1.877	2.879	1.7	20.4
5 1	13 30.04	−12 51.7	1.900	2.884	5.4	20.6
5 11	13 24.10	−12 2.3	1.950	2.889	9.0	20.9
5 21	13 19.93	−11 21.3	2.024	2.893	12.3	21.1

407720 2011 UE_{294} 4 16.9 76°.54 1°.7/15.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 7.11	− 8 58.4	1.433	2.276	16.7	21.8
3 22	14 2.40	− 8 22.4	1.373	2.291	12.6	21.5
4 1	13 55.04	− 7 35.1	1.336	2.306	7.9	21.3
4 11	13 45.97	− 6 42.2	1.323	2.321	3.0	21.0
4 21	13 36.37	− 5 50.6	1.336	2.335	3.3	21.1
5 1	13 27.52	− 5 7.3	1.375	2.350	8.0	21.4
5 11	13 20.51	− 4 38.2	1.437	2.365	12.5	21.7
5 21	13 15.97	− 4 26.0	1.521	2.379	16.2	22.0

330039 2005 UO_{238} 4 16.9 227°.36 5°.9/11.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 8.33	+ 5 19.6	2.057	2.892	12.7	21.3
3 22	14 2.76	+ 6 2.9	1.977	2.883	9.9	21.1
4 1	13 55.09	+ 6 43.7	1.921	2.874	7.3	20.9
4 11	13 45.99	+ 7 16.0	1.892	2.865	5.9	20.8
4 21	13 36.31	+ 7 34.4	1.890	2.855	6.9	20.9
5 1	13 27.02	+ 7 35.2	1.916	2.845	9.6	21.0
5 11	13 19.01	+ 7 16.9	1.966	2.834	12.6	21.2
5 21	13 12.89	+ 6 40.2	2.038	2.823	15.3	21.3

111968 2002 GX_{81} 4 16.9 248°.86 3°.3/14.0 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 4.55	− 6 4.5	1.686	2.529	14.6	20.2
3 22	14 0.40	− 4 58.8	1.599	2.518	11.0	19.9
4 1	13 53.84	− 3 42.4	1.536	2.506	7.0	19.6
4 11	13 45.58	− 2 21.8	1.499	2.494	3.6	19.4
4 21	13 36.57	− 1 5.0	1.489	2.481	4.7	19.4
5 1	13 27.95	− 0 0.1	1.505	2.468	8.8	19.6
5 11	13 20.75	+ 0 46.7	1.546	2.455	13.0	19.9
5 21	13 15.70	+ 1 12.3	1.608	2.441	16.7	20.1

357980 2006 BR_{196} 4 16.9 353°.49 1°.3/17.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 2.89	−15 26.5	1.201	2.048	19.1	20.5
3 22	13 59.99	−15 15.6	1.129	2.044	14.9	20.2
4 1	13 53.97	−14 44.3	1.075	2.042	9.8	19.9
4 11	13 45.71	−13 55.6	1.043	2.039	4.3	19.6
4 21	13 36.49	−12 55.4	1.035	2.038	2.4	19.5
5 1	13 27.87	−11 52.9	1.051	2.038	8.0	19.8
5 11	13 21.26	−10 58.1	1.089	2.038	13.3	20.1
5 21	13 17.50	−10 18.1	1.146	2.039	18.0	20.4

238034 2002 WB_{30} 4 16.9 261°.10 1°.1/17.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 3.98	−14 59.7	2.199	3.007	12.9	21.0
3 22	13 59.50	−14 54.1	2.103	2.998	10.0	20.7
4 1	13 53.06	−14 37.0	2.032	2.990	6.6	20.5
4 11	13 45.24	−14 10.1	1.986	2.981	2.9	20.3
4 21	13 36.82	−13 36.4	1.969	2.972	1.7	20.1
5 1	13 28.68	−12 59.9	1.981	2.963	5.3	20.4
5 11	13 21.66	−12 25.8	2.019	2.954	9.0	20.6
5 21	13 16.38	−11 58.2	2.081	2.944	12.3	20.8

150919 2001 TT_{54} 4 16.9 128°.25 0°.2/16.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 4.04	−14 24.0	2.020	2.835	13.6	20.9
3 22	13 59.45	−13 24.1	1.946	2.847	10.4	20.7
4 1	13 52.91	−12 9.8	1.896	2.859	6.6	20.5
4 11	13 45.13	−10 45.6	1.873	2.870	2.4	20.2
4 21	13 36.95	− 9 17.6	1.879	2.881	1.8	20.2
5 1	13 29.28	− 7 53.1	1.914	2.891	5.9	20.5
5 11	13 22.91	− 6 38.7	1.976	2.901	9.7	20.7
5 21	13 18.36	− 5 38.9	2.061	2.911	12.9	20.9

156292 2001 WA_{57} 4 16.9 118°.53 0°.4/17.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 6.21	−14 0.4	2.066	2.877	13.5	21.5
3 22	14 1.03	−13 34.0	1.996	2.893	10.3	21.3
4 1	13 53.89	−12 55.4	1.948	2.909	6.6	21.1
4 11	13 45.49	−12 7.8	1.928	2.924	2.6	20.8
4 21	13 36.70	−11 15.6	1.936	2.939	1.6	20.8
5 1	13 28.42	−10 24.3	1.973	2.953	5.6	21.1
5 11	13 21.47	− 9 39.0	2.037	2.967	9.2	21.3
5 21	13 16.37	− 9 3.8	2.125	2.980	12.4	21.5

143328 2003 AD_{64} 4 16.9 61°.78 3°.5/14.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 5.24	− 4 57.0	1.497	2.348	15.7	19.3
3 22	14 0.76	− 4 0.5	1.445	2.367	11.8	19.1
4 1	13 53.89	− 2 57.2	1.416	2.386	7.4	18.9
4 11	13 45.50	− 1 54.2	1.411	2.406	3.8	18.7
4 21	13 36.72	− 0 59.1	1.433	2.426	4.9	18.8
5 1	13 28.69	− 0 18.3	1.481	2.445	8.8	19.1
5 11	13 22.37	+ 0 4.0	1.553	2.465	12.7	19.4
5 21	13 18.31	+ 0 6.8	1.644	2.485	16.0	19.6

341836 2008 CH_{144} 4 16.9 168°.28 4°.0/12.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 3.94	+ 1 5.1	2.415	3.250	11.0	21.0
3 22	13 59.08	+ 1 46.0	2.341	3.252	8.4	20.8
4 1	13 52.58	+ 2 27.5	2.292	3.254	5.7	20.6
4 11	13 45.00	+ 3 4.8	2.271	3.255	4.0	20.5
4 21	13 37.04	+ 3 33.7	2.279	3.257	4.9	20.6
5 1	13 29.45	+ 3 50.6	2.315	3.258	7.4	20.7
5 11	13 22.90	+ 3 53.5	2.377	3.259	10.1	20.9
5 21	13 17.88	+ 3 41.8	2.461	3.259	12.6	21.1

249616 1999 TS_{13} 4 16.9 199°.72 2°.0/15.1 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 7.33	− 6 56.5	2.121	2.946	12.7	21.3
3 22	14 1.97	− 6 17.6	2.034	2.942	9.6	21.1
4 1	13 54.58	− 5 31.2	1.971	2.938	6.1	20.9
4 11	13 45.80	− 4 41.4	1.936	2.932	2.6	20.7
4 21	13 36.46	− 3 53.3	1.930	2.926	3.2	20.7
5 1	13 27.47	− 3 12.0	1.952	2.919	6.8	20.9
5 11	13 19.71	− 2 42.0	2.001	2.911	10.4	21.1
5 21	13 13.77	− 2 25.8	2.074	2.902	13.6	21.3

106393 2000 VW_{22} 4 16.9 161°.57 1°.0/15.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 3.73	− 8 11.5	2.501	3.322	11.1	19.8
3 22	13 58.93	− 7 57.2	2.418	3.324	8.4	19.6
4 1	13 52.50	− 7 37.1	2.360	3.326	5.3	19.4
4 11	13 44.98	− 7 13.8	2.330	3.327	2.0	19.2
4 21	13 37.05	− 6 50.4	2.329	3.329	2.1	19.2
5 1	13 29.44	− 6 30.5	2.357	3.330	5.3	19.4
5 11	13 22.82	− 6 17.1	2.412	3.331	8.5	19.6
5 21	13 17.70	− 6 12.4	2.491	3.332	11.2	19.8

323118 2003 AQ_{36} 4 16.9 152°.02 1°.8/15.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 5.75	− 7 51.0	2.087	2.914	12.8	20.8
3 22	14 0.68	− 7 5.1	2.012	2.922	9.6	20.6
4 1	13 53.69	− 6 11.0	1.962	2.930	6.0	20.4
4 11	13 45.43	− 5 13.3	1.940	2.937	2.5	20.2
4 21	13 36.75	− 4 17.4	1.946	2.943	3.0	20.2
5 1	13 28.52	− 3 28.8	1.981	2.949	6.6	20.4
5 11	13 21.55	− 2 51.7	2.042	2.954	10.1	20.7
5 21	13 16.38	− 2 29.0	2.127	2.959	13.2	20.9

362637 2011 SP_{148} 4 16.9 96°.44 1°.6/15.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 4.94	−11 11.1	1.430	2.273	16.8	21.1
3 22	14 0.85	−10 7.7	1.365	2.282	12.7	20.8
4 1	13 54.12	− 8 48.4	1.320	2.290	7.9	20.6
4 11	13 45.66	− 7 20.0	1.301	2.299	2.9	20.3
4 21	13 36.60	− 5 51.2	1.308	2.308	3.3	20.3
5 1	13 28.23	− 4 31.7	1.341	2.316	8.2	20.6
5 11	13 21.63	− 3 29.4	1.398	2.324	12.8	20.9
5 21	13 17.46	− 2 48.3	1.475	2.332	16.7	21.2

31902 Raymondwang 4 16.9 289°.41 1°.6/17.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 6.46	−15 5.9	1.389	2.221	17.8	18.8
3 22	14 2.69	−15 8.8	1.293	2.200	14.0	18.5
4 1	13 55.80	−14 54.9	1.217	2.180	9.4	18.1
4 11	13 46.49	−14 25.3	1.164	2.159	4.2	17.8
4 21	13 35.90	−13 43.5	1.136	2.139	2.4	17.6
5 1	13 25.54	−12 56.2	1.133	2.118	7.8	17.9
5 11	13 16.90	−12 12.1	1.154	2.098	13.2	18.1
5 21	13 11.05	−11 38.6	1.195	2.078	18.0	18.3

2020	α_{2000}	δ_{2000}	Δ	r	β	V
149481 2003 EC_{35}			4 16.9 51.°78	2.°9/19.1 18		
	h m	° ′			°	m
3 12	14 5.70	−19 23.5	1.476	2.292	17.7	19.9
3 22	14 1.37	−19 21.2	1.418	2.312	13.9	19.7
4 1	13 54.41	−18 58.8	1.379	2.333	9.6	19.5
4 11	13 45.75	−18 18.4	1.364	2.354	5.1	19.3
4 21	13 36.57	−17 24.6	1.375	2.375	3.1	19.2
5 1	13 28.17	−16 24.8	1.411	2.397	6.6	19.4
5 11	13 21.59	−15 27.3	1.473	2.419	10.8	19.7
5 21	13 17.47	−14 38.9	1.556	2.441	14.5	20.0
35265 Takeosaitou			4 16.9 282.°31	2.°5/18.8 17		
3 12	14 3.82	−19 22.7	1.510	2.327	17.3	18.5
3 22	14 0.36	−19 3.2	1.415	2.312	13.8	18.3
4 1	13 54.11	−18 21.3	1.341	2.297	9.5	18.0
4 11	13 45.78	−17 18.1	1.290	2.281	4.9	17.7
4 21	13 36.45	−15 58.3	1.264	2.266	2.8	17.5
5 1	13 27.47	−14 30.1	1.264	2.250	7.1	17.7
5 11	13 20.12	−13 4.2	1.289	2.235	12.0	17.9
5 21	13 15.29	−11 49.5	1.336	2.219	16.5	18.1
176037 2000 SR_{200}			4 16.9 182.°51	0.°7/17.7 17		
3 12	14 3.12	−14 33.6	2.811	3.610	10.6	21.3
3 22	13 58.36	−14 21.6	2.720	3.610	8.2	21.1
4 1	13 52.10	−14 0.5	2.654	3.610	5.3	20.9
4 11	13 44.84	−13 32.0	2.615	3.610	2.3	20.7
4 21	13 37.19	−12 58.8	2.607	3.609	1.3	20.6
5 1	13 29.80	−12 24.2	2.628	3.608	4.3	20.9
5 11	13 23.31	−11 51.8	2.677	3.607	7.3	21.1
5 21	13 18.17	−11 24.9	2.752	3.605	9.9	21.2
510266 2011 HD_{67}			4 16.9 270.°95	4.°1/12.9 17		
3 12	14 4.61	− 0 16.9	2.133	2.971	12.2	21.6
3 22	14 0.02	+ 0 29.0	2.037	2.950	9.3	21.4
4 1	13 53.43	+ 1 18.0	1.965	2.929	6.3	21.2
4 11	13 45.42	+ 2 4.7	1.921	2.908	4.2	21.0
4 21	13 36.75	+ 2 43.6	1.904	2.886	5.3	21.0
5 1	13 28.31	+ 3 9.7	1.916	2.864	8.3	21.2
5 11	13 20.97	+ 3 19.7	1.952	2.842	11.7	21.3
5 21	13 15.37	+ 3 12.4	2.010	2.819	14.7	21.5
15278 Pâquet			4 16.9 150.°44	1.°8/19.6 18	R	
3 12	13 59.68	−20 7.2	3.981	4.749	8.3	18.5
3 22	13 55.38	−20 4.5	3.891	4.756	6.6	18.3
4 1	13 50.05	−19 53.3	3.825	4.763	4.6	18.2
4 11	13 44.04	−19 34.6	3.787	4.770	2.7	18.1
4 21	13 37.78	−19 9.7	3.780	4.776	1.8	18.0
5 1	13 31.71	−18 40.8	3.802	4.782	3.2	18.1
5 11	13 26.27	−18 10.5	3.854	4.788	5.1	18.3
5 21	13 21.78	−17 41.4	3.933	4.793	7.0	18.4
143434 2003 BY_{62}			4 16.9 46.°58	1.°8/18.4 18		
3 12	14 5.09	−16 13.0	2.212	3.014	13.0	19.9
3 22	14 0.28	−16 25.0	2.127	3.016	10.2	19.7
4 1	13 53.52	−16 25.8	2.065	3.019	6.9	19.5
4 11	13 45.43	−16 16.4	2.030	3.021	3.4	19.3
4 21	13 36.79	−15 58.9	2.023	3.024	2.1	19.2
5 1	13 28.51	−15 36.9	2.044	3.027	5.2	19.4
5 11	13 21.40	−15 14.8	2.093	3.029	8.6	19.6
5 21	13 16.05	−14 56.5	2.165	3.032	11.7	19.8
151035 2001 UQ_{179}			4 16.9 90.°33	5.°1/11.9 18		
3 12	14 4.79	− 0 22.9	1.847	2.692	13.5	20.3
3 22	13 59.97	+ 1 8.3	1.799	2.716	10.1	20.1
4 1	13 53.20	+ 2 41.5	1.776	2.740	6.9	19.9
4 11	13 45.24	+ 4 8.8	1.780	2.763	5.1	19.9
4 21	13 37.00	+ 5 22.8	1.812	2.786	6.3	20.0
5 1	13 29.40	+ 6 17.6	1.871	2.808	9.3	20.2
5 11	13 23.22	+ 6 50.5	1.954	2.830	12.3	20.4
5 21	13 18.94	+ 7 1.5	2.057	2.851	14.9	20.7
153319 2001 OT_{9}			4 16.9 346.°35	3.°5/19.2 18		
3 12	14 1.68	−19 28.2	1.108	1.950	20.7	19.1
3 22	13 59.44	−19 31.8	1.034	1.944	16.5	18.8
4 1	13 53.84	−19 9.7	0.978	1.938	11.5	18.5
4 11	13 45.75	−18 22.4	0.942	1.933	6.2	18.2
4 21	13 36.55	−17 15.0	0.928	1.929	3.7	18.0
5 1	13 27.94	−15 57.1	0.938	1.927	8.2	18.3
5 11	13 21.47	−14 41.2	0.968	1.925	13.7	18.5
5 21	13 18.10	−13 37.7	1.018	1.924	18.6	18.8
216120 2006 SP_{46}			4 16.9 284.°77	0.°4/17.2 17		
3 12	14 3.59	−14 28.3	1.568	2.399	16.2	21.4
3 22	14 0.02	−13 56.3	1.474	2.383	12.5	21.2
4 1	13 53.81	−13 6.3	1.401	2.367	8.2	20.9
4 11	13 45.67	−12 1.7	1.353	2.350	3.2	20.5
4 21	13 36.61	−10 48.1	1.331	2.334	2.1	20.4
5 1	13 27.88	− 9 33.8	1.336	2.318	7.3	20.7
5 11	13 20.68	− 8 27.6	1.364	2.302	12.2	20.9
5 21	13 15.82	− 7 36.3	1.415	2.286	16.5	21.1

2020	α_{2000}	δ_{2000}	Δ	r	β	V
506056 2015 LG_{6}			4 16.9 331.°44	5.°2/21.4 17		
	h m	° ′			°	m
3 12	14 2.10	−25 27.1	1.864	2.644	15.9	20.5
3 22	13 58.64	−25 48.1	1.769	2.633	13.2	20.3
4 1	13 52.81	−25 49.3	1.694	2.623	10.0	20.1
4 11	13 45.26	−25 29.3	1.643	2.614	6.9	19.9
4 21	13 36.91	−24 49.5	1.618	2.605	5.3	19.8
5 1	13 28.88	−23 54.2	1.618	2.596	6.7	19.8
5 11	13 22.22	−22 50.7	1.643	2.588	9.9	20.0
5 21	13 17.68	−21 46.7	1.692	2.581	13.3	20.2
508307 2015 KD_{87}			4 16.9 90.°51	4.°6/12.3 17		
3 12	14 2.89	+ 1 46.8	2.208	3.050	11.7	21.3
3 22	13 58.46	+ 2 35.9	2.137	3.051	8.9	21.1
4 1	13 52.28	+ 3 25.3	2.091	3.052	6.2	20.9
4 11	13 44.95	+ 4 9.6	2.072	3.054	4.6	20.8
4 21	13 37.21	+ 4 43.9	2.080	3.055	5.6	20.9
5 1	13 29.86	+ 5 4.0	2.116	3.056	8.2	21.0
5 11	13 23.63	+ 5 7.9	2.177	3.057	11.0	21.2
5 21	13 19.01	+ 4 55.3	2.259	3.058	13.6	21.4
373495 2000 XO			4 16.9 172.°78	2.°1/19.2 17		
3 12	14 3.99	−20 34.8	2.334	3.118	13.0	21.7
3 22	13 59.34	−20 2.7	2.244	3.121	10.3	21.5
4 1	13 52.87	−19 14.4	2.178	3.124	7.1	21.3
4 11	13 45.18	−18 11.6	2.138	3.125	3.8	21.1
4 21	13 37.04	−16 58.4	2.127	3.127	2.2	21.0
5 1	13 29.28	−15 40.2	2.145	3.128	4.9	21.2
5 11	13 22.67	−14 23.4	2.192	3.128	8.3	21.4
5 21	13 17.73	−13 13.9	2.263	3.128	11.4	21.6
380599 2004 SW_{28}			4 16.9 239.°77	3.°4/19.6 17		
3 12	14 8.32	−20 18.6	2.119	2.902	14.2	21.4
3 22	14 3.06	−20 43.4	2.018	2.891	11.4	21.2
4 1	13 55.50	−20 54.3	1.940	2.881	8.2	21.0
4 11	13 46.28	−20 50.8	1.888	2.870	4.9	20.8
4 21	13 36.24	−20 34.0	1.863	2.858	3.5	20.7
5 1	13 26.45	−20 7.1	1.867	2.846	5.9	20.8
5 11	13 17.89	−19 35.3	1.898	2.834	9.3	21.0
5 21	13 11.32	−19 4.0	1.952	2.822	12.7	21.2
40425 1999 RQ_{25}			4 16.9 250.°61	0.°9/17.7 18		
3 12	14 4.02	−15 12.4	2.053	2.864	13.6	20.0
3 22	13 59.69	−14 53.7	1.958	2.855	10.5	19.8
4 1	13 53.29	−14 21.6	1.886	2.845	6.9	19.6
4 11	13 45.42	−13 38.3	1.840	2.835	3.0	19.3
4 21	13 36.90	−12 47.6	1.822	2.825	1.7	19.2
5 1	13 28.69	−11 54.8	1.832	2.814	5.7	19.4
5 11	13 21.68	−11 5.8	1.869	2.804	9.6	19.6
5 21	13 16.52	−10 25.6	1.930	2.793	13.1	19.8
110483 2001 TU_{59}			4 16.9 123.°53	1.°3/15.7 18		
3 12	14 5.45	− 9 28.5	1.964	2.791	13.5	20.0
3 22	14 0.57	− 8 48.0	1.894	2.803	10.2	19.8
4 1	13 53.69	− 7 58.0	1.847	2.814	6.3	19.6
4 11	13 45.51	− 7 2.9	1.827	2.825	2.4	19.3
4 21	13 36.89	− 6 8.1	1.836	2.835	2.6	19.4
5 1	13 28.78	− 5 19.2	1.872	2.845	6.5	19.6
5 11	13 22.01	− 4 41.1	1.935	2.855	10.2	19.9
5 21	13 17.11	− 4 16.6	2.021	2.864	13.4	20.1
509278 2006 UL_{340}			4 16.9 142.°48	2.°4/19.9 18		
3 12	14 1.88	−21 52.0	2.707	3.481	11.7	22.2
3 22	13 57.53	−21 31.3	2.619	3.488	9.3	22.0
4 1	13 51.63	−20 56.4	2.555	3.494	6.6	21.9
4 11	13 44.72	−20 8.7	2.518	3.501	3.8	21.7
4 21	13 37.45	−19 11.1	2.510	3.507	2.4	21.6
5 1	13 30.51	−18 7.8	2.531	3.513	4.4	21.7
5 11	13 24.55	−17 3.9	2.581	3.518	7.1	21.9
5 21	13 20.01	−16 4.1	2.656	3.524	9.8	22.1
425166 2009 TD_{13}			4 16.9 176.°31	6.°5/12.6 18		
3 12	14 16.73	+ 9 35.3	2.100	2.915	13.2	20.5
3 22	14 8.96	+ 9 48.7	2.026	2.917	10.5	20.3
4 1	13 58.96	+ 9 54.3	1.976	2.918	8.0	20.2
4 11	13 47.49	+ 9 46.8	1.955	2.919	6.6	20.1
4 21	13 35.54	+ 9 22.5	1.962	2.919	7.3	20.1
5 1	13 24.17	+ 8 39.9	1.999	2.919	9.7	20.3
5 11	13 14.30	+ 7 39.8	2.062	2.919	12.5	20.4
5 21	13 6.56	+ 6 24.9	2.148	2.918	15.1	20.6
412163 2013 GB_{84}			4 16.9 328.°84	0.°4/17.1 17		
3 12	14 6.67	−11 2.7	1.231	2.081	18.5	20.9
3 22	14 3.02	−11 21.0	1.150	2.069	14.4	20.6
4 1	13 56.09	−11 27.8	1.089	2.058	9.4	20.3
4 11	13 46.66	−11 25.0	1.050	2.047	3.7	19.9
4 21	13 36.03	−11 16.1	1.034	2.038	2.4	19.8
5 1	13 25.82	−11 6.6	1.043	2.029	8.3	20.1
5 11	13 17.58	−11 2.8	1.075	2.020	13.8	20.4
5 21	13 12.31	−11 9.6	1.125	2.013	18.6	20.6

457544 2008 XD_{43} 4 16.9 79°.77 0°.5/16.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 10.44	−10 52.9	1.417	2.252	17.4	21.8
3 22	14 4.91	−10 36.4	1.363	2.274	13.1	21.6
4 1	13 56.65	−10 7.6	1.330	2.297	8.3	21.4
4 11	13 46.65	− 9 30.8	1.321	2.319	3.0	21.1
4 21	13 36.18	− 8 51.7	1.338	2.341	2.4	21.1
5 1	13 26.58	− 8 16.8	1.382	2.362	7.5	21.5
5 11	13 18.94	− 7 52.0	1.451	2.383	12.0	21.8
5 21	13 13.91	− 7 40.5	1.541	2.404	15.8	22.1

378751 2008 RB_{95} 4 16.9 196°.38 2°.1/18.8 17

3 12	14 5.33	−18 15.7	2.119	2.916	13.7	21.8
3 22	14 0.61	−18 11.0	2.029	2.915	10.8	21.6
4 1	13 53.83	−17 52.0	1.962	2.913	7.4	21.4
4 11	13 45.62	−17 20.0	1.921	2.911	3.8	21.2
4 21	13 36.82	−16 37.7	1.908	2.909	2.3	21.1
5 1	13 28.37	−15 50.0	1.923	2.906	5.4	21.3
5 11	13 21.16	−15 2.6	1.965	2.903	9.0	21.5
5 21	13 15.80	−14 20.7	2.032	2.900	12.3	21.7

312052 2007 RX_{286} 4 16.9 176°.21 3°.8/13.7 18

3 12	14 8.81	− 2 7.0	1.890	2.725	13.6	21.3
3 22	14 3.25	− 1 20.6	1.815	2.727	10.3	21.1
4 1	13 55.48	− 0 30.3	1.764	2.729	6.8	20.9
4 11	13 46.22	+ 0 18.3	1.740	2.731	4.0	20.8
4 21	13 36.42	+ 0 59.3	1.745	2.731	5.0	20.8
5 1	13 27.11	+ 1 27.3	1.777	2.731	8.4	21.0
5 11	13 19.21	+ 1 39.2	1.834	2.731	11.9	21.2
5 21	13 13.35	+ 1 33.8	1.913	2.729	15.1	21.4

422679 1999 VU_{225} 4 16.9 239°.09 3°.8/13.2 17

3 12	14 7.91	− 1 33.9	2.217	3.046	12.1	21.9
3 22	14 2.49	− 0 40.1	2.117	3.026	9.2	21.6
4 1	13 55.02	+ 0 18.4	2.042	3.005	6.2	21.4
4 11	13 46.09	+ 1 16.3	1.995	2.983	3.9	21.2
4 21	13 36.47	+ 2 7.8	1.977	2.960	5.0	21.3
5 1	13 27.07	+ 2 47.5	1.988	2.936	8.1	21.4
5 11	13 18.76	+ 3 11.6	2.026	2.911	11.5	21.6
5 21	13 12.21	+ 3 18.3	2.085	2.885	14.5	21.7

382824 2003 WE_{86} 4 16.9 272°.05 7°.0/23.3 18

3 12	14 7.62	−32 41.4	2.361	3.074	14.8	20.5
3 22	14 2.74	−33 10.3	2.235	3.044	12.8	20.3
4 1	13 55.47	−33 19.4	2.129	3.013	10.5	20.1
4 11	13 46.36	−33 5.6	2.046	2.982	8.4	19.9
4 21	13 36.23	−32 27.6	1.990	2.949	7.0	19.8
5 1	13 26.16	−31 27.5	1.960	2.916	7.6	19.7
5 11	13 17.24	−30 11.1	1.957	2.883	9.7	19.8
5 21	13 10.30	−28 46.1	1.979	2.849	12.5	19.9

495229 2013 GJ_{130} 4 16.9 306°.87 3°.1/14.4 17

3 12	14 2.11	− 8 1.4	1.368	2.224	16.6	20.6
3 22	13 59.06	− 6 52.6	1.288	2.213	12.6	20.3
4 1	13 53.27	− 5 28.6	1.230	2.203	7.9	20.0
4 11	13 45.51	− 3 57.0	1.196	2.192	3.6	19.7
4 21	13 36.89	− 2 27.6	1.186	2.182	4.8	19.8
5 1	13 28.74	− 1 10.7	1.202	2.173	9.6	20.0
5 11	13 22.27	− 0 14.7	1.241	2.163	14.4	20.3
5 21	13 18.27	+ 0 16.4	1.298	2.154	18.6	20.5

169399 2001 WX 4 16.9 293°.58 1°.4/17.9 16

3 12	14 4.16	−16 9.3	1.371	2.204	17.9	20.6
3 22	14 0.87	−15 51.9	1.281	2.189	14.1	20.3
4 1	13 54.60	−15 14.0	1.210	2.174	9.4	20.0
4 11	13 46.08	−14 17.8	1.163	2.158	4.2	19.7
4 21	13 36.46	−13 8.6	1.140	2.143	2.3	19.5
5 1	13 27.20	−11 55.1	1.143	2.128	7.7	19.8
5 11	13 19.70	−10 47.4	1.169	2.114	13.0	20.0
5 21	13 14.88	− 9 53.7	1.215	2.099	17.7	20.3

222609 2001 XJ_{51} 4 16.9 156°.65 0°.2/17.1 17

3 12	14 5.70	−13 41.9	2.262	3.069	12.6	22.4
3 22	14 0.61	−13 12.8	2.181	3.077	9.6	22.2
4 1	13 53.67	−12 32.4	2.124	3.084	6.2	22.0
4 11	13 45.52	−11 43.5	2.094	3.090	2.4	21.7
4 21	13 36.93	−10 50.3	2.093	3.096	1.5	21.7
5 1	13 28.76	− 9 57.7	2.122	3.101	5.3	21.9
5 11	13 21.75	− 9 10.8	2.179	3.106	8.8	22.2
5 21	13 16.46	− 8 33.5	2.259	3.110	11.9	22.4

18976 Kunilraval 4 16.9 329°.73 2°.3/18.3 18

3 12	14 5.76	−15 47.5	1.282	2.119	18.7	18.6
3 22	14 2.23	−16 5.4	1.202	2.110	14.7	18.3
4 1	13 55.52	−16 6.3	1.140	2.102	10.0	18.0
4 11	13 46.43	−15 50.9	1.101	2.095	4.8	17.7
4 21	13 36.23	−15 22.3	1.086	2.088	2.8	17.6
5 1	13 26.49	−14 46.9	1.095	2.082	7.8	17.8
5 11	13 18.67	−14 12.8	1.127	2.076	13.0	18.1
5 21	13 13.75	−13 47.4	1.179	2.071	17.6	18.4

424093 2007 DF_{112} 4 16.9 48°.85 0°.9/17.5 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 8.43	−12 36.2	1.654	2.478	15.8	21.3
3 22	14 3.34	−12 52.4	1.581	2.485	12.1	21.1
4 1	13 55.72	−12 57.7	1.531	2.493	7.9	20.9
4 11	13 46.36	−12 53.8	1.505	2.501	3.3	20.6
4 21	13 36.35	−12 43.5	1.506	2.509	1.9	20.5
5 1	13 26.88	−12 31.1	1.535	2.518	6.5	20.8
5 11	13 19.04	−12 21.6	1.589	2.526	10.8	21.1
5 21	13 13.53	−12 18.9	1.665	2.535	14.5	21.3

176736 2002 RO_{56} 4 16.9 262°.73 2°.8/19.0 17

3 12	14 6.41	−19 2.4	1.769	2.572	15.8	20.4
3 22	14 2.02	−19 4.7	1.669	2.557	12.6	20.2
4 1	13 55.07	−18 49.8	1.591	2.542	8.8	19.9
4 11	13 46.20	−18 18.1	1.538	2.526	4.7	19.7
4 21	13 36.41	−17 32.1	1.511	2.511	2.9	19.5
5 1	13 26.88	−16 37.4	1.511	2.495	6.4	19.7
5 11	13 18.79	−15 41.4	1.537	2.478	10.7	19.9
5 21	13 12.95	−14 51.1	1.585	2.462	14.7	20.1

237278 2008 XG_5 4 16.9 179°.49 1°.9/20.0 18

3 12	13 59.07	−21 17.3	4.130	4.892	8.1	21.9
3 22	13 54.95	−21 11.0	4.032	4.893	6.5	21.8
4 1	13 49.82	−20 55.9	3.959	4.894	4.6	21.6
4 11	13 44.03	−20 32.9	3.914	4.894	2.8	21.5
4 21	13 37.99	−20 3.4	3.899	4.894	1.9	21.4
5 1	13 32.12	−19 29.4	3.914	4.894	3.1	21.5
5 11	13 26.83	−18 53.8	3.959	4.893	5.0	21.7
5 21	13 22.45	−18 19.0	4.030	4.892	6.9	21.8

180145 2003 GU_7 4 16.9 339°.08 3°.0/14.7 17

3 12	14 9.00	− 0 34.4	2.185	3.014	12.3	19.9
3 22	14 3.17	− 0 37.6	2.103	3.011	9.3	19.7
4 1	13 55.35	− 0 40.9	2.045	3.009	6.1	19.5
4 11	13 46.19	− 0 47.7	2.015	3.006	3.4	19.3
4 21	13 36.49	− 1 0.8	2.014	3.004	3.9	19.4
5 1	13 27.17	− 1 22.6	2.041	3.002	7.0	19.6
5 11	13 19.07	− 1 54.3	2.096	3.001	10.3	19.8
5 21	13 12.77	− 2 36.1	2.174	2.999	13.2	19.9

365201 2009 FR_{74} 4 16.9 9°.98 5°.2/13.4 17

3 12	14 6.37	− 0 44.5	1.393	2.250	16.3	20.3
3 22	14 2.08	+ 0 4.2	1.327	2.250	12.4	20.0
4 1	13 55.05	+ 0 56.2	1.283	2.251	8.3	19.8
4 11	13 46.14	+ 1 43.8	1.262	2.252	5.4	19.6
4 21	13 36.53	+ 2 19.2	1.267	2.253	6.6	19.7
5 1	13 27.55	+ 2 36.2	1.296	2.254	10.5	19.9
5 11	13 20.36	+ 2 31.5	1.348	2.256	14.6	20.1
5 21	13 15.68	+ 2 5.4	1.420	2.258	18.2	20.4

313727 2003 UF_{171} 4 16.9 84°.35 1°.0/17.6 18

3 12	14 7.51	−15 15.9	1.574	2.396	16.5	20.6
3 22	14 2.59	−14 55.2	1.512	2.414	12.7	20.4
4 1	13 55.17	−14 18.4	1.471	2.433	8.3	20.1
4 11	13 46.13	−13 29.0	1.455	2.451	3.5	19.9
4 21	13 36.59	−12 32.4	1.466	2.469	1.9	19.8
5 1	13 27.77	−11 35.6	1.504	2.487	6.6	20.2
5 11	13 20.69	−10 45.9	1.567	2.504	10.9	20.4
5 21	13 15.96	−10 8.3	1.652	2.521	14.6	20.7

141308 2001 YT_{119} 4 16.9 92°.63 2°.8/13.9 18

3 12	14 2.06	− 3 44.6	2.331	3.167	11.4	20.0
3 22	13 57.73	− 2 57.4	2.263	3.177	8.5	19.9
4 1	13 51.78	− 2 6.2	2.221	3.188	5.4	19.7
4 11	13 44.81	− 1 15.6	2.206	3.198	3.0	19.5
4 21	13 37.49	− 0 30.2	2.219	3.208	3.8	19.6
5 1	13 30.58	+ 0 5.6	2.261	3.218	6.7	19.8
5 11	13 24.73	+ 0 28.8	2.328	3.228	9.6	20.0
5 21	13 20.39	+ 0 38.0	2.419	3.238	12.2	20.2

380905 2006 DT_{173} 4 16.9 172°.52 2°.5/19.2 17

3 12	14 7.74	−18 57.9	2.367	3.149	12.9	21.5
3 22	14 2.24	−19 9.8	2.277	3.152	10.2	21.3
4 1	13 54.78	−19 9.3	2.210	3.155	7.1	21.1
4 11	13 45.99	−18 56.7	2.171	3.156	4.0	20.9
4 21	13 36.65	−18 33.9	2.160	3.158	2.6	20.8
5 1	13 27.63	−18 4.3	2.178	3.159	5.1	21.0
5 11	13 19.78	−17 32.5	2.224	3.159	8.3	21.2
5 21	13 13.66	−17 3.0	2.296	3.159	11.3	21.4

201812 2003 YY_1 4 16.9 169°.26 4°.9/11.5 17

3 12	14 3.97	+ 3 59.2	2.464	3.299	10.8	21.0
3 22	13 59.11	+ 4 54.8	2.395	3.302	8.4	20.9
4 1	13 52.65	+ 5 49.3	2.350	3.305	6.1	20.7
4 11	13 45.14	+ 6 37.4	2.334	3.308	4.9	20.7
4 21	13 37.28	+ 7 14.6	2.346	3.309	5.9	20.7
5 1	13 29.78	+ 7 37.0	2.385	3.311	8.1	20.9
5 11	13 23.31	+ 7 42.9	2.450	3.312	10.6	21.0
5 21	13 18.33	+ 7 32.4	2.537	3.313	12.9	21.2

506227 2016 LR_{17} 4 16.9 321°.53 2°.5/14.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	13 59.23	− 9 47.5	1.541	2.392	15.4	21.2
3 22	13 56.61	− 8 28.1	1.456	2.379	11.6	20.9
4 1	13 51.59	− 6 51.8	1.393	2.366	7.3	20.6
4 11	13 44.88	− 5 5.8	1.355	2.353	3.1	20.3
4 21	13 37.42	− 3 19.4	1.344	2.341	4.1	20.4
5 1	13 30.36	− 1 43.2	1.359	2.329	8.7	20.6
5 11	13 24.74	− 0 25.8	1.397	2.318	13.2	20.8
5 21	13 21.28	+ 0 27.6	1.456	2.308	17.1	21.0

375899 2009 VQ_{92} 4 16.9 228°.68 1°.9/15.1 17

3 12	14 4.62	− 7 29.0	2.002	2.834	13.1	21.2
3 22	14 0.10	− 6 48.8	1.915	2.827	9.9	21.0
4 1	13 53.54	− 6 0.2	1.853	2.821	6.2	20.8
4 11	13 45.55	− 5 7.5	1.817	2.813	2.6	20.5
4 21	13 36.97	− 4 16.1	1.809	2.806	3.2	20.5
5 1	13 28.74	− 3 31.5	1.829	2.798	7.0	20.8
5 11	13 21.74	− 2 58.7	1.874	2.790	10.7	21.0
5 21	13 16.58	− 2 40.4	1.943	2.781	14.0	21.2

369086 2008 GJ_{32} 4 16.9 216°.02 3°.0/14.1 17

3 12	14 4.32	− 5 21.9	1.896	2.735	13.4	21.7
3 22	13 59.94	− 4 23.5	1.815	2.730	10.1	21.4
4 1	13 53.45	− 3 17.1	1.757	2.726	6.4	21.2
4 11	13 45.52	− 2 8.7	1.727	2.721	3.3	21.0
4 21	13 37.01	− 1 4.6	1.724	2.716	4.3	21.0
5 1	13 28.90	− 0 11.5	1.749	2.710	7.9	21.2
5 11	13 22.08	+ 0 25.8	1.799	2.704	11.6	21.4
5 21	13 17.17	+ 0 45.0	1.870	2.698	14.9	21.6

95519 2002 EB_{63} 4 16.9 176°.22 3°.8/20.0 17

3 12	14 8.22	−21 34.8	2.095	2.874	14.5	20.6
3 22	14 2.93	−22 0.5	2.006	2.875	11.7	20.4
4 1	13 55.39	−22 11.1	1.939	2.876	8.5	20.2
4 11	13 46.27	−22 6.2	1.897	2.876	5.3	20.0
4 21	13 36.47	−21 47.0	1.883	2.876	3.8	19.9
5 1	13 27.01	−21 16.9	1.898	2.877	5.9	20.1
5 11	13 18.88	−20 41.5	1.939	2.876	9.1	20.2
5 21	13 12.75	−20 6.3	2.004	2.876	12.3	20.4

6595 Munizbarreto 4 16.9 166°.06 2°.9/19.4 18

3 12	14 8.22	−20 9.9	1.997	2.785	14.8	18.7
3 22	14 2.92	−20 10.5	1.912	2.789	11.7	18.4
4 1	13 55.36	−19 54.7	1.849	2.793	8.2	18.2
4 11	13 46.24	−19 23.4	1.811	2.797	4.6	18.0
4 21	13 36.51	−18 39.2	1.801	2.800	2.9	17.9
5 1	13 27.21	−17 47.2	1.820	2.802	5.7	18.1
5 11	13 19.31	−16 53.9	1.865	2.803	9.4	18.3
5 21	13 13.46	−16 5.3	1.935	2.804	12.8	18.5

114541 2003 BP_{25} 4 16.9 12°.37 10°.1/ 7.9 18 R

3 12	13 55.39	+ 4 8.3	1.062	1.952	17.6	17.5
3 22	13 54.21	+ 6 35.7	1.020	1.957	13.8	17.3
4 1	13 50.20	+ 9 2.2	1.000	1.963	10.9	17.1
4 11	13 44.34	+11 10.9	1.001	1.972	10.3	17.1
4 21	13 37.88	+12 47.7	1.025	1.981	12.4	17.3
5 1	13 32.19	+13 43.9	1.069	1.993	15.8	17.5
5 11	13 28.37	+13 58.0	1.130	2.006	19.2	17.8
5 21	13 27.03	+13 34.2	1.207	2.021	22.2	18.0

387466 2013 XQ_{11} 4 16.9 207°.06 2°.0/14.9 18

3 12	14 5.41	− 6 4.6	2.392	3.216	11.5	21.7
3 22	14 0.36	− 5 27.6	2.302	3.210	8.7	21.5
4 1	13 53.55	− 4 44.7	2.237	3.203	5.5	21.3
4 11	13 45.53	− 3 59.5	2.201	3.196	2.5	21.1
4 21	13 37.02	− 3 16.4	2.194	3.189	3.1	21.1
5 1	13 28.80	− 2 39.9	2.216	3.180	6.3	21.3
5 11	13 21.63	− 2 13.7	2.265	3.171	9.5	21.5
5 21	13 16.04	− 1 59.9	2.337	3.162	12.4	21.7

474071 2016 JQ_{22} 4 16.9 280°.88 1°.0/16.1 17

3 12	14 4.44	−10 2.8	1.805	2.637	14.3	21.6
3 22	14 0.33	− 9 35.4	1.709	2.621	10.9	21.3
4 1	13 53.89	− 8 56.9	1.637	2.604	6.9	21.1
4 11	13 45.75	− 8 10.8	1.589	2.587	2.6	20.7
4 21	13 36.82	− 7 22.1	1.570	2.571	2.5	20.7
5 1	13 28.17	− 6 37.2	1.577	2.554	7.0	20.9
5 11	13 20.83	− 6 1.7	1.609	2.537	11.4	21.2
5 21	13 15.55	− 5 39.9	1.664	2.520	15.2	21.4

148582 2001 QM_{333} 4 16.9 104°.47 3°.8/14.2 18

3 12	14 10.51	− 0 45.7	1.835	2.669	14.0	19.8
3 22	14 4.46	− 0 25.2	1.772	2.683	10.6	19.7
4 1	13 56.20	− 0 3.7	1.733	2.697	6.9	19.5
4 11	13 46.51	+ 0 14.0	1.720	2.711	4.0	19.3
4 21	13 36.40	+ 0 23.6	1.736	2.724	4.8	19.4
5 1	13 26.90	+ 0 21.4	1.779	2.737	8.1	19.6
5 11	13 18.95	+ 0 5.6	1.848	2.750	11.6	19.8
5 21	13 13.11	− 0 23.8	1.939	2.762	14.6	20.1

103145 1999 XQ_{210} 4 16.9 136°.26 3°.3/19.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 7.30	−20 43.6	2.153	2.936	14.0	19.8
3 22	14 2.11	−21 4.4	2.068	2.941	11.2	19.6
4 1	13 54.80	−21 11.0	2.005	2.945	8.0	19.4
4 11	13 46.04	−21 3.1	1.968	2.950	4.8	19.2
4 21	13 36.68	−20 42.4	1.959	2.954	3.4	19.1
5 1	13 27.69	−20 12.4	1.978	2.958	5.6	19.3
5 11	13 19.98	−19 38.4	2.024	2.962	8.8	19.5
5 21	13 14.18	−19 5.7	2.095	2.966	11.9	19.7

365 Corduba 4 16.9 157°.86 2°.0/14.6 18

3 12	14 2.53	− 7 45.1	2.374	3.201	11.5	14.3
3 22	13 58.11	− 6 40.6	2.297	3.207	8.6	14.1
4 1	13 52.06	− 5 28.0	2.245	3.212	5.4	13.9
4 11	13 44.95	− 4 12.2	2.221	3.217	2.4	13.7
4 21	13 37.46	− 2 58.6	2.227	3.222	3.1	13.8
5 1	13 30.34	− 1 52.9	2.262	3.226	6.3	14.0
5 11	13 24.27	− 0 59.4	2.324	3.229	9.4	14.2
5 21	13 19.72	− 0 20.8	2.410	3.232	12.1	14.4

522715 2016 LA_{61} 4 16.9 206°.18 0°.1/16.9 18

3 12	14 0.35	−14 11.1	2.608	3.417	11.1	21.4
3 22	13 56.43	−13 18.6	2.516	3.414	8.4	21.3
4 1	13 50.99	−12 14.6	2.450	3.412	5.4	21.1
4 11	13 44.55	−11 2.2	2.412	3.409	2.0	20.8
4 21	13 37.73	− 9 45.9	2.403	3.405	1.4	20.8
5 1	13 31.20	− 8 30.9	2.424	3.402	4.9	21.0
5 11	13 25.59	− 7 22.5	2.473	3.398	8.0	21.2
5 21	13 21.35	− 6 24.6	2.548	3.395	10.8	21.4

420365 2012 BW_{105} 4 16.9 327°.88 0°.5/16.6 17

3 12	14 0.95	−11 53.2	1.277	2.132	17.7	20.8
3 22	13 58.53	−11 29.7	1.192	2.114	13.6	20.5
4 1	13 53.16	−10 49.3	1.127	2.098	8.8	20.2
4 11	13 45.59	− 9 56.1	1.084	2.083	3.3	19.8
4 21	13 36.95	− 8 56.6	1.065	2.068	2.7	19.7
5 1	13 28.69	− 7 59.9	1.070	2.054	8.4	20.0
5 11	13 22.18	− 7 14.7	1.098	2.041	13.8	20.2
5 21	13 18.34	− 6 47.3	1.144	2.030	18.5	20.5

42465 1978 VH_{4} 4 16.9 62°.04 0°.5/17.3 18

3 12	14 6.15	−14 14.5	1.376	2.211	17.7	18.7
3 22	14 1.89	−13 48.9	1.316	2.226	13.6	18.5
4 1	13 54.89	−13 6.2	1.276	2.242	8.7	18.3
4 11	13 46.08	−12 10.7	1.260	2.257	3.4	18.0
4 21	13 36.71	−11 8.9	1.270	2.273	2.1	17.9
5 1	13 28.10	−10 9.2	1.306	2.289	7.3	18.3
5 11	13 21.39	− 9 19.2	1.365	2.305	12.0	18.6
5 21	13 17.22	− 8 44.2	1.446	2.321	15.9	18.9

430641 2003 SM_{69} 4 16.9 218°.80 1°.2/18.0 17

3 12	14 5.13	−15 36.1	2.176	2.981	13.1	21.8
3 22	14 0.42	−15 29.8	2.084	2.976	10.2	21.6
4 1	13 53.72	−15 11.4	2.016	2.972	6.8	21.4
4 11	13 45.64	−14 42.5	1.974	2.967	3.1	21.1
4 21	13 36.96	−14 6.2	1.960	2.962	1.7	21.0
5 1	13 28.61	−13 26.9	1.975	2.957	5.3	21.3
5 11	13 21.42	−12 49.7	2.017	2.951	9.0	21.5
5 21	13 16.01	−12 18.9	2.083	2.946	12.2	21.7

57251 2001 QO_{96} 4 16.9 116°.43 2°.4/18.9 18

3 12	14 8.67	−18 21.1	2.015	2.808	14.5	19.6
3 22	14 3.11	−18 26.2	1.941	2.824	11.3	19.4
4 1	13 55.39	−18 16.9	1.890	2.839	7.8	19.2
4 11	13 46.24	−17 54.3	1.865	2.853	4.1	19.0
4 21	13 36.59	−17 21.3	1.867	2.867	2.5	18.9
5 1	13 27.46	−16 42.3	1.899	2.881	5.5	19.1
5 11	13 19.75	−16 3.1	1.957	2.894	9.1	19.4
5 21	13 14.06	−15 28.7	2.040	2.907	12.3	19.6

285348 1999 RL_{79} 4 16.9 250°.18 3°.7/13.8 17

3 12	14 5.65	− 4 19.5	1.742	2.585	14.3	21.2
3 22	14 1.25	− 3 20.4	1.654	2.571	10.8	20.9
4 1	13 54.46	− 2 12.9	1.589	2.557	7.0	20.7
4 11	13 45.98	− 1 3.4	1.549	2.542	3.9	20.4
4 21	13 36.72	+ 0 0.8	1.537	2.527	5.0	20.5
5 1	13 27.81	+ 0 52.5	1.552	2.512	8.9	20.7
5 11	13 20.28	+ 1 26.1	1.592	2.496	13.0	20.9
5 21	13 14.86	+ 1 39.3	1.652	2.480	16.5	21.0

63149 2000 XM_{22} 4 16.9 167°.60 2°.7/14.4 18

3 12	14 5.13	− 2 1.7	2.504	3.332	10.9	19.0
3 22	14 0.00	− 1 44.8	2.424	3.333	8.2	18.8
4 1	13 53.25	− 1 26.0	2.370	3.334	5.3	18.6
4 11	13 45.41	− 1 8.9	2.343	3.335	2.9	18.5
4 21	13 37.16	− 0 56.8	2.346	3.336	3.5	18.5
5 1	13 29.25	− 0 52.5	2.377	3.336	6.3	18.7
5 11	13 22.35	− 0 58.2	2.436	3.337	9.2	18.9
5 21	13 16.96	− 1 14.6	2.518	3.337	11.8	19.0

473224 2015 KW_{142} 4 16.9 135°.50 2°.5/14.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 4.55	− 3 23.6	2.333	3.165	11.5	20.8
3 22	13 59.69	− 3 1.3	2.256	3.167	8.7	20.7
4 1	13 53.10	− 2 35.9	2.203	3.169	5.5	20.5
4 11	13 45.37	− 2 11.1	2.177	3.171	2.8	20.3
4 21	13 37.21	− 1 50.6	2.180	3.173	3.5	20.3
5 1	13 29.41	− 1 38.0	2.212	3.174	6.5	20.5
5 11	13 22.69	− 1 35.8	2.270	3.176	9.5	20.7
5 21	13 17.56	− 1 45.1	2.352	3.178	12.3	20.9

355129 2006 UK_{182} 4 16.9 214°.42 4°.6/11.9 18

3 12	14 4.63	+ 4 32.0	2.598	3.429	10.5	20.8
3 22	13 59.59	+ 5 10.3	2.519	3.424	8.1	20.6
4 1	13 52.98	+ 5 46.8	2.465	3.419	5.9	20.5
4 11	13 45.31	+ 6 16.9	2.439	3.414	4.6	20.4
4 21	13 37.25	+ 6 36.9	2.442	3.408	5.5	20.4
5 1	13 29.49	+ 6 43.6	2.473	3.402	7.7	20.6
5 11	13 22.70	+ 6 35.5	2.530	3.396	10.2	20.7
5 21	13 17.35	+ 6 12.7	2.609	3.389	12.5	20.9

432577 2010 OZ_{67} 4 16.9 297°.63 7°.2/ 9.7 17

3 12	14 3.67	+ 9 9.7	2.075	2.916	12.3	20.6
3 22	13 59.24	+10 15.0	2.007	2.912	9.9	20.5
4 1	13 52.91	+11 15.2	1.964	2.907	7.9	20.3
4 11	13 45.31	+12 3.5	1.947	2.903	7.2	20.3
4 21	13 37.26	+12 34.1	1.956	2.899	8.4	20.3
5 1	13 29.61	+12 43.2	1.991	2.895	10.6	20.5
5 11	13 23.17	+12 29.7	2.048	2.891	13.1	20.6
5 21	13 18.48	+11 55.2	2.125	2.887	15.5	20.8

77789 2001 QT_{40} 4 16.9 149°.75 4°.4/11.9 18

3 12	14 2.39	+ 1 13.9	2.345	3.184	11.2	19.9
3 22	13 58.02	+ 2 17.8	2.276	3.189	8.5	19.7
4 1	13 52.01	+ 3 22.9	2.232	3.193	5.9	19.5
4 11	13 44.95	+ 4 23.6	2.216	3.197	4.4	19.4
4 21	13 37.52	+ 5 14.4	2.228	3.200	5.5	19.5
5 1	13 30.47	+ 5 51.2	2.268	3.204	8.0	19.7
5 11	13 24.46	+ 6 11.4	2.334	3.207	10.6	19.8
5 21	13 19.97	+ 6 14.3	2.421	3.210	13.0	20.0

375955 2009 WR_{172} 4 16.9 128°.39 0°.4/16.5 17

3 12	14 3.37	−13 8.2	2.037	2.857	13.4	21.6
3 22	13 59.03	−12 14.3	1.961	2.866	10.1	21.4
4 1	13 52.77	−11 7.2	1.909	2.874	6.4	21.2
4 11	13 45.26	− 9 51.4	1.884	2.882	2.3	20.9
4 21	13 37.32	− 8 32.7	1.888	2.890	1.9	20.9
5 1	13 29.84	− 7 17.8	1.920	2.897	6.0	21.2
5 11	13 23.61	− 6 12.8	1.979	2.904	9.7	21.4
5 21	13 19.17	− 5 21.9	2.061	2.911	12.9	21.6

370191 2002 CE_{199} 4 16.9 101°.71 5°.4/11.7 17

3 12	14 4.28	+ 1 41.7	1.899	2.745	13.1	21.1
3 22	13 59.71	+ 2 58.3	1.843	2.758	10.0	20.9
4 1	13 53.18	+ 4 15.7	1.810	2.771	7.0	20.7
4 11	13 45.40	+ 5 26.3	1.804	2.784	5.4	20.6
4 21	13 37.24	+ 6 23.5	1.826	2.796	6.7	20.7
5 1	13 29.64	+ 7 2.2	1.874	2.808	9.4	20.9
5 11	13 23.37	+ 7 19.8	1.946	2.820	12.4	21.1
5 21	13 18.96	+ 7 16.7	2.038	2.831	15.0	21.3

151260 2002 AR_{79} 4 16.9 154°.54 0°.9/15.9 18

3 12	14 2.66	− 9 21.5	2.553	3.372	11.0	20.9
3 22	13 58.16	− 8 55.3	2.471	3.376	8.3	20.7
4 1	13 52.09	− 8 22.0	2.414	3.379	5.2	20.5
4 11	13 44.99	− 7 44.7	2.385	3.382	1.9	20.3
4 21	13 37.50	− 7 6.8	2.385	3.385	1.9	20.3
5 1	13 30.34	− 6 32.3	2.414	3.388	5.2	20.5
5 11	13 24.14	− 6 4.8	2.471	3.390	8.3	20.7
5 21	13 19.38	− 5 46.6	2.552	3.393	11.0	20.9

303743 2005 QZ_{86} 4 16.9 236°.44 0°.9/15.7 16

3 12	14 0.79	−10 50.1	2.866	3.680	10.1	21.3
3 22	13 56.68	− 9 54.5	2.764	3.666	7.6	21.1
4 1	13 51.14	− 8 49.6	2.688	3.652	4.8	20.9
4 11	13 44.64	− 7 38.8	2.640	3.638	1.8	20.6
4 21	13 37.73	− 6 26.3	2.623	3.623	1.9	20.6
5 1	13 31.03	− 5 16.8	2.637	3.608	5.0	20.8
5 11	13 25.14	− 4 15.0	2.678	3.592	8.0	21.0
5 21	13 20.49	− 3 24.0	2.745	3.576	10.6	21.1

392235 2009 VG_{80} 4 16.9 170°.72 4°.6/11.5 17

3 12	14 4.35	+ 1 53.5	2.496	3.329	10.8	21.8
3 22	13 59.40	+ 3 8.6	2.425	3.334	8.2	21.6
4 1	13 52.85	+ 4 24.8	2.381	3.338	5.8	21.5
4 11	13 45.27	+ 5 36.2	2.364	3.341	4.6	21.4
4 21	13 37.33	+ 6 37.5	2.378	3.344	5.6	21.5
5 1	13 29.75	+ 7 24.2	2.419	3.346	8.0	21.6
5 11	13 23.19	+ 7 53.6	2.487	3.347	10.5	21.8
5 21	13 18.11	+ 8 5.3	2.576	3.347	12.8	21.9

521252 2015 HJ_{191} 4 16.9 150°.26 0°.2/17.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 5.25	−12 4.7	2.528	3.335	11.4	21.4
3 22	14 0.14	−11 58.8	2.444	3.341	8.7	21.3
4 1	13 53.36	−11 44.9	2.386	3.346	5.6	21.1
4 11	13 45.48	−11 24.9	2.355	3.351	2.2	20.8
4 21	13 37.17	−11 1.6	2.353	3.356	1.4	20.8
5 1	13 29.20	−10 38.3	2.381	3.360	4.8	21.0
5 11	13 22.25	−10 18.6	2.437	3.364	8.0	21.2
5 21	13 16.82	−10 5.3	2.518	3.368	10.8	21.4

31446 1999 CV_5 4 16.9 186°.94 3°.8/19.8 18

3 12	14 10.92	−20 50.7	2.088	2.865	14.6	18.1
3 22	14 5.04	−21 25.4	1.997	2.865	11.7	17.9
4 1	13 56.80	−21 46.1	1.927	2.864	8.5	17.7
4 11	13 46.87	−21 51.9	1.884	2.863	5.3	17.5
4 21	13 36.17	−21 43.5	1.869	2.862	3.8	17.4
5 1	13 25.80	−21 23.7	1.882	2.860	6.0	17.5
5 11	13 16.78	−20 57.8	1.923	2.858	9.3	17.7
5 21	13 9.84	−20 31.3	1.988	2.855	12.6	17.9

271676 2004 RT_{76} 4 16.9 213°.53 0°.4/17.3 17

3 12	14 6.66	−12 52.1	2.266	3.074	12.6	21.2
3 22	14 1.51	−12 42.8	2.171	3.068	9.7	21.0
4 1	13 54.40	−12 23.6	2.101	3.061	6.3	20.7
4 11	13 45.92	−11 56.6	2.058	3.054	2.5	20.5
4 21	13 36.85	−11 24.7	2.043	3.046	1.5	20.4
5 1	13 28.07	−10 52.3	2.058	3.038	5.4	20.6
5 11	13 20.41	−10 23.6	2.100	3.029	9.0	20.8
5 21	13 14.48	−10 2.4	2.167	3.020	12.2	21.0

292011 2006 QE_{133} 4 16.9 208°.65 3°.0/14.4 17

3 12	14 7.94	− 3 56.2	1.974	2.806	13.2	21.7
3 22	14 2.65	− 3 18.9	1.889	2.801	10.0	21.5
4 1	13 55.19	− 2 36.3	1.829	2.795	6.5	21.2
4 11	13 46.23	− 1 53.2	1.795	2.789	3.4	21.0
4 21	13 36.66	− 1 15.1	1.790	2.782	4.2	21.1
5 1	13 27.46	− 0 46.8	1.813	2.774	7.7	21.3
5 11	13 19.56	− 0 32.3	1.861	2.766	11.4	21.5
5 21	13 13.61	− 0 33.2	1.932	2.757	14.6	21.7

374128 2004 TR_{106} 4 16.9 216°.30 1°.3/15.8 18

3 12	14 7.11	− 7 37.5	2.177	2.999	12.5	21.1
3 22	14 1.88	− 7 21.1	2.087	2.993	9.5	20.9
4 1	13 54.65	− 6 58.2	2.021	2.987	6.0	20.7
4 11	13 46.03	− 6 31.7	1.983	2.980	2.4	20.4
4 21	13 36.83	− 6 5.6	1.973	2.973	2.5	20.4
5 1	13 27.94	− 5 43.9	1.993	2.965	6.2	20.6
5 11	13 20.22	− 5 30.3	2.039	2.957	9.8	20.8
5 21	13 14.27	− 5 27.3	2.109	2.949	13.0	21.0

243099 2007 RR_{27} 4 16.9 223°.54 0°.9/17.7 17

3 12	14 7.23	−15 41.9	1.824	2.635	15.0	21.1
3 22	14 2.46	−15 15.0	1.729	2.626	11.7	20.9
4 1	13 55.26	−14 31.8	1.657	2.616	7.7	20.6
4 11	13 46.33	−13 34.9	1.610	2.606	3.3	20.3
4 21	13 36.61	−12 28.9	1.591	2.594	1.8	20.2
5 1	13 27.24	−11 20.5	1.601	2.582	6.4	20.5
5 11	13 19.28	−10 17.4	1.636	2.570	10.8	20.7
5 21	13 13.47	− 9 25.5	1.694	2.557	14.6	20.9

390417 2013 YF_{32} 4 16.9 192°.13 4°.4/11.9 18

3 12	14 2.19	+ 1 13.7	2.355	3.195	11.1	21.2
3 22	13 57.92	+ 2 18.3	2.281	3.194	8.5	21.0
4 1	13 52.00	+ 3 24.4	2.232	3.193	5.9	20.8
4 11	13 44.99	+ 4 26.4	2.211	3.191	4.5	20.7
4 21	13 37.58	+ 5 18.8	2.218	3.190	5.5	20.8
5 1	13 30.52	+ 5 57.2	2.253	3.188	8.0	20.9
5 11	13 24.47	+ 6 18.9	2.313	3.186	10.7	21.1
5 21	13 19.94	+ 6 23.1	2.395	3.184	13.2	21.3

505820 2015 BZ_{447} 4 16.9 146°.19 2°.6/19.1 17

3 12	14 8.02	−18 23.0	2.061	2.854	14.2	21.5
3 22	14 2.73	−18 38.5	1.977	2.859	11.2	21.3
4 1	13 55.26	−18 40.5	1.916	2.863	7.8	21.0
4 11	13 46.28	−18 29.4	1.880	2.868	4.2	20.8
4 21	13 36.69	−18 7.4	1.873	2.872	2.7	20.7
5 1	13 27.49	−17 38.2	1.894	2.875	5.6	20.9
5 11	13 19.63	−17 7.2	1.941	2.879	9.1	21.1
5 21	13 13.73	−16 39.3	2.013	2.882	12.4	21.4

155731 2000 RH_{81} 4 16.9 137°.80 11°.7/28.2 18

3 12	14 12.15	−43 11.3	2.063	2.710	18.4	19.6
3 22	14 6.84	−44 33.6	1.978	2.713	16.7	19.4
4 1	13 58.42	−45 30.4	1.910	2.717	14.9	19.3
4 11	13 47.63	−45 55.7	1.860	2.720	13.2	19.2
4 21	13 35.70	−45 46.0	1.832	2.723	12.0	19.1
5 1	13 24.17	−45 2.5	1.827	2.726	11.7	19.1
5 11	13 14.47	−43 51.6	1.845	2.729	12.5	19.2
5 21	13 7.58	−42 22.9	1.885	2.731	14.1	19.3

504545 2008 SY_{131} 4 16.9 238°.21 0°.6/17.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 5.66	−13 20.9	2.065	2.879	13.4	21.8
3 22	14 0.94	−13 14.9	1.974	2.873	10.4	21.6
4 1	13 54.14	−12 58.0	1.907	2.868	6.7	21.4
4 11	13 45.87	−12 32.2	1.866	2.862	2.8	21.1
4 21	13 36.97	−12 0.9	1.853	2.856	1.6	21.0
5 1	13 28.39	−11 28.5	1.868	2.850	5.7	21.3
5 11	13 21.04	−10 59.8	1.911	2.844	9.5	21.5
5 21	13 15.54	−10 38.8	1.976	2.837	12.9	21.7

257670 1999 VC_{86} 4 16.9 124°.29 0°.3/16.7 18

3 12	14 9.20	−11 24.3	1.851	2.670	14.5	21.3
3 22	14 3.60	−11 7.0	1.781	2.684	11.1	21.1
4 1	13 55.76	−10 39.1	1.734	2.698	7.0	20.9
4 11	13 46.45	−10 3.8	1.714	2.711	2.6	20.6
4 21	13 36.65	− 9 25.6	1.721	2.724	1.9	20.6
5 1	13 27.42	− 8 49.6	1.757	2.736	6.3	20.9
5 11	13 19.69	− 8 20.9	1.820	2.747	10.3	21.2
5 21	13 14.07	− 8 3.0	1.905	2.758	13.6	21.4

354688 2005 QY_{11} 4 16.9 246°.92 7°.2/24.6 16

3 12	14 7.15	−35 20.8	2.685	3.372	13.7	21.8
3 22	14 2.10	−36 6.2	2.577	3.360	12.0	21.6
4 1	13 54.95	−36 33.6	2.489	3.348	10.1	21.5
4 11	13 46.23	−36 40.3	2.424	3.335	8.4	21.3
4 21	13 36.74	−36 25.2	2.384	3.323	7.3	21.2
5 1	13 27.42	−35 49.9	2.372	3.310	7.5	21.2
5 11	13 19.19	−34 58.7	2.385	3.296	8.9	21.3
5 21	13 12.74	−33 57.9	2.423	3.283	10.9	21.4

221509 2006 DE_{207} 4 16.9 148°.33 1°.8/18.6 17

3 12	14 6.14	−16 58.0	2.092	2.893	13.7	20.6
3 22	14 1.25	−16 59.7	2.008	2.897	10.7	20.4
4 1	13 54.30	−16 48.5	1.947	2.900	7.3	20.2
4 11	13 45.93	−16 25.5	1.912	2.903	3.6	20.0
4 21	13 37.00	−15 53.6	1.904	2.906	2.1	19.9
5 1	13 28.45	−15 17.0	1.926	2.908	5.4	20.1
5 11	13 21.17	−14 41.1	1.974	2.911	9.0	20.3
5 21	13 15.76	−14 10.5	2.046	2.913	12.3	20.5

9997 COBE 4 16.9 131°.92 1°.1/17.9 18

3 12	14 6.89	−15 28.0	1.920	2.729	14.5	18.7
3 22	14 1.90	−15 14.9	1.843	2.738	11.2	18.5
4 1	13 54.72	−14 48.1	1.788	2.746	7.4	18.3
4 11	13 46.09	−14 10.0	1.760	2.754	3.2	18.0
4 21	13 36.91	−13 24.6	1.759	2.762	1.8	18.0
5 1	13 28.22	−12 37.1	1.787	2.769	5.8	18.2
5 11	13 20.93	−11 53.6	1.841	2.776	9.7	18.5
5 21	13 15.65	−11 18.8	1.918	2.782	13.1	18.7

332534 2008 OW_{24} 4 16.9 181°.57 3°.0/13.1 18

3 12	14 3.73	− 2 27.7	2.736	3.563	10.1	22.2
3 22	13 58.85	− 1 26.1	2.656	3.565	7.6	22.0
4 1	13 52.50	− 0 20.8	2.602	3.565	5.0	21.9
4 11	13 45.20	+ 0 43.7	2.577	3.565	3.1	21.7
4 21	13 37.53	+ 1 42.6	2.582	3.564	4.0	21.8
5 1	13 30.17	+ 2 31.8	2.616	3.562	6.5	21.9
5 11	13 23.71	+ 3 8.0	2.678	3.560	9.1	22.1
5 21	13 18.61	+ 3 29.9	2.763	3.557	11.5	22.3

431948 2008 UH_{31} 4 16.9 211°.09 1°.7/15.4 18

3 12	14 4.97	− 7 9.2	2.233	3.060	12.1	21.6
3 22	14 0.19	− 6 39.4	2.147	3.055	9.1	21.4
4 1	13 53.55	− 6 3.0	2.084	3.051	5.8	21.2
4 11	13 45.64	− 5 23.4	2.049	3.046	2.4	20.9
4 21	13 37.22	− 4 45.0	2.043	3.041	2.8	21.0
5 1	13 29.11	− 4 12.4	2.065	3.035	6.3	21.2
5 11	13 22.12	− 3 49.3	2.114	3.029	9.7	21.4
5 21	13 16.79	− 3 38.3	2.187	3.023	12.7	21.6

120615 1995 WO_{27} 4 16.9 156°.38 0°.1/16.9 17

3 12	14 5.78	−11 45.8	2.073	2.891	13.2	20.3
3 22	14 0.92	−11 29.1	1.991	2.894	10.1	20.1
4 1	13 54.06	−11 2.3	1.934	2.897	6.4	19.8
4 11	13 45.85	−10 28.3	1.903	2.900	2.4	19.6
4 21	13 37.11	− 9 50.9	1.900	2.903	1.7	19.5
5 1	13 28.77	− 9 15.0	1.926	2.905	5.8	19.8
5 11	13 21.68	− 8 45.1	1.978	2.907	9.5	20.0
5 21	13 16.42	− 8 24.8	2.054	2.909	12.7	20.2

336302 2008 TZ_{2} 4 16.9 313°.67 5°.2/19.8 17

3 12	14 9.21	−20 36.2	1.638	2.436	17.0	20.3
3 22	14 4.65	−21 39.5	1.538	2.418	14.0	20.0
4 1	13 57.12	−22 29.4	1.459	2.400	10.3	19.8
4 11	13 47.24	−23 2.9	1.403	2.382	6.8	19.5
4 21	13 36.06	−23 18.8	1.373	2.364	5.2	19.4
5 1	13 24.98	−23 18.5	1.369	2.348	7.7	19.5
5 11	13 15.43	−23 7.4	1.390	2.331	11.7	19.7
5 21	13 8.47	−22 52.4	1.432	2.315	15.6	19.9

208686 2002 GZ_{126} 4 16.9 32°.87 0°.7/16.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 4.37	−11 46.0	1.314	2.162	17.7	20.2
3 22	14 0.80	−11 12.5	1.248	2.167	13.5	19.9
4 1	13 54.39	−10 23.1	1.203	2.173	8.5	19.7
4 11	13 46.05	− 9 23.1	1.181	2.179	3.1	19.4
4 21	13 37.00	− 8 19.9	1.183	2.186	2.7	19.3
5 1	13 28.62	− 7 22.2	1.211	2.193	8.0	19.7
5 11	13 22.10	− 6 37.7	1.262	2.200	12.9	20.0
5 21	13 18.17	− 6 10.9	1.333	2.208	17.1	20.2

177407 2004 BT_{146} 4 16.9 155°.81 0°.1/16.9 18

3 12	14 7.82	−12 17.9	2.041	2.854	13.6	21.5
3 22	14 2.46	−11 53.4	1.962	2.862	10.4	21.3
4 1	13 55.03	−11 17.8	1.907	2.869	6.6	21.1
4 11	13 46.21	−10 34.3	1.879	2.876	2.5	20.8
4 21	13 36.89	− 9 47.2	1.879	2.882	1.8	20.8
5 1	13 28.03	− 9 1.7	1.908	2.887	5.9	21.1
5 11	13 20.49	− 8 23.0	1.965	2.891	9.7	21.3
5 21	13 14.86	− 7 54.8	2.045	2.895	13.0	21.5

252994 2002 QE_{105} 4 16.9 136°.76 0°.8/17.7 18

3 12	14 8.27	−15 3.8	2.109	2.911	13.6	22.1
3 22	14 2.70	−14 44.3	2.033	2.925	10.4	21.9
4 1	13 55.12	−14 12.2	1.982	2.939	6.8	21.7
4 11	13 46.23	−13 30.2	1.957	2.952	2.9	21.5
4 21	13 36.89	−12 42.0	1.962	2.964	1.6	21.4
5 1	13 28.06	−11 52.9	1.995	2.976	5.4	21.7
5 11	13 20.55	−11 8.2	2.056	2.987	9.1	22.0
5 21	13 14.93	−10 32.2	2.141	2.997	12.3	22.2

15761 Schumi 4 16.9 67°.95 2°.6/14.5 18 R

3 12	14 2.36	− 8 11.2	1.698	2.541	14.5	17.3
3 22	13 58.63	− 6 56.2	1.629	2.547	10.9	17.1
4 1	13 52.71	− 5 29.7	1.583	2.553	6.8	16.8
4 11	13 45.35	− 3 58.5	1.563	2.559	3.1	16.6
4 21	13 37.49	− 2 30.9	1.570	2.565	4.0	16.7
5 1	13 30.15	− 1 15.0	1.605	2.571	8.0	16.9
5 11	13 24.24	− 0 16.9	1.664	2.577	11.9	17.2
5 21	13 20.33	+ 0 20.5	1.744	2.584	15.3	17.4

356730 2011 US_{190} 4 16.9 208°.64 3°.7/12.1 18

3 12	14 2.10	+ 1 59.5	3.006	3.836	9.2	21.9
3 22	13 57.55	+ 2 49.5	2.922	3.830	7.1	21.8
4 1	13 51.67	+ 3 40.0	2.865	3.823	4.9	21.6
4 11	13 44.90	+ 4 26.9	2.837	3.816	3.7	21.5
4 21	13 37.79	+ 5 6.4	2.838	3.808	4.6	21.6
5 1	13 30.91	+ 5 35.2	2.867	3.800	6.6	21.7
5 11	13 24.83	+ 5 51.1	2.924	3.791	8.9	21.8
5 21	13 19.94	+ 5 53.4	3.003	3.782	11.0	22.0

461121 2015 DC_{178} 4 16.9 73°.22 3°.2/19.6 15

3 12	14 7.73	−20 11.1	1.765	2.561	16.1	21.6
3 22	14 2.71	−20 22.0	1.698	2.580	12.7	21.5
4 1	13 55.30	−20 15.5	1.652	2.598	8.9	21.3
4 11	13 46.33	−19 52.5	1.632	2.617	5.1	21.1
4 21	13 36.84	−19 15.9	1.638	2.635	3.3	21.0
5 1	13 27.97	−18 31.2	1.671	2.654	6.0	21.2
5 11	13 20.69	−17 45.1	1.730	2.672	9.7	21.5
5 21	13 15.64	−17 3.6	1.813	2.690	13.1	21.7

463153 2012 AA_{2} 4 16.9 121°.17 3°.3/14.2 18

3 12	14 7.91	− 4 33.2	1.760	2.597	14.4	21.8
3 22	14 2.64	− 3 37.8	1.698	2.612	10.8	21.6
4 1	13 55.15	− 2 36.2	1.659	2.627	6.9	21.4
4 11	13 46.25	− 1 34.7	1.648	2.641	3.6	21.2
4 21	13 36.91	− 0 39.9	1.663	2.654	4.6	21.3
5 1	13 28.20	+ 0 2.3	1.707	2.667	8.2	21.6
5 11	13 21.01	+ 0 27.9	1.775	2.680	11.8	21.8
5 21	13 15.91	+ 0 35.5	1.865	2.691	15.0	22.0

195551 2002 JE_{67} 4 16.9 323°.54 1°.5/15.7 18

3 12	14 4.91	− 7 57.2	1.837	2.672	14.0	19.8
3 22	14 0.54	− 7 35.7	1.757	2.670	10.6	19.5
4 1	13 53.96	− 7 6.1	1.699	2.667	6.7	19.3
4 11	13 45.86	− 6 32.3	1.667	2.664	2.6	19.0
4 21	13 37.14	− 5 59.0	1.662	2.662	2.8	19.0
5 1	13 28.83	− 5 31.4	1.685	2.660	6.9	19.3
5 11	13 21.86	− 5 13.8	1.733	2.657	10.9	19.5
5 21	13 16.88	− 5 9.0	1.803	2.655	14.3	19.7

154536 2003 GC_{7} 4 16.9 293°.10 2°.1/15.1 18

3 12	14 2.23	− 9 0.8	1.728	2.569	14.4	20.0
3 22	13 58.81	− 8 4.1	1.630	2.547	11.0	19.8
4 1	13 53.06	− 6 53.7	1.555	2.525	7.0	19.5
4 11	13 45.59	− 5 35.0	1.505	2.503	2.9	19.2
4 21	13 37.29	− 4 15.1	1.483	2.481	3.6	19.2
5 1	13 29.25	− 3 2.2	1.487	2.459	8.0	19.4
5 11	13 22.50	− 2 3.7	1.516	2.437	12.4	19.6
5 21	13 17.81	− 1 24.3	1.566	2.415	16.3	19.8

27567 2000 OK_{36} 4 16.9 107°.54 0°.2/17.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 1.76	−14 25.7	2.449	3.258	11.7	18.7
3 22	13 57.55	−13 43.0	2.373	3.270	8.9	18.6
4 1	13 51.75	−12 49.0	2.321	3.282	5.7	18.4
4 11	13 44.95	−11 46.9	2.297	3.294	2.2	18.1
4 21	13 37.81	−10 41.1	2.302	3.305	1.4	18.1
5 1	13 31.05	− 9 36.7	2.337	3.316	4.9	18.4
5 11	13 25.32	− 8 38.6	2.399	3.327	8.1	18.6
5 21	13 21.08	− 7 50.6	2.486	3.338	10.9	18.8

477193 2009 HR_{12} 4 16.9 9°.06 1°.8/15.6 17

3 12	14 6.92	− 5 9.5	1.975	2.807	13.2	20.6
3 22	14 1.86	− 5 11.2	1.897	2.808	10.0	20.4
4 1	13 54.71	− 5 9.2	1.842	2.809	6.3	20.2
4 11	13 46.13	− 5 6.3	1.814	2.811	2.7	19.9
4 21	13 36.99	− 5 5.9	1.815	2.813	2.9	19.9
5 1	13 28.27	− 5 11.2	1.843	2.815	6.6	20.2
5 11	13 20.84	− 5 24.7	1.897	2.818	10.3	20.4
5 21	13 15.33	− 5 47.9	1.974	2.820	13.5	20.6

421769 2014 QD_{1} 4 16.9 226°.13 1°.1/15.9 16

3 12	14 6.72	−11 10.6	1.796	2.621	14.6	21.9
3 22	14 2.07	−10 21.3	1.703	2.611	11.2	21.6
4 1	13 55.05	− 9 17.9	1.634	2.600	7.1	21.4
4 11	13 46.32	− 8 4.9	1.591	2.589	2.6	21.1
4 21	13 36.84	− 6 48.8	1.576	2.577	2.7	21.0
5 1	13 27.71	− 5 37.0	1.589	2.564	7.2	21.3
5 11	13 19.97	− 4 36.9	1.628	2.550	11.6	21.5
5 21	13 14.35	− 3 53.2	1.689	2.536	15.4	21.7

399319 1997 YA_{14} 4 16.9 115°.87 11°.7/30.1 18

3 12	14 15.58	−45 29.8	1.971	2.600	19.6	21.0
3 22	14 9.36	−46 27.0	1.899	2.620	17.7	20.9
4 1	13 59.90	−46 53.7	1.842	2.640	15.7	20.8
4 11	13 48.17	−46 44.3	1.804	2.659	13.7	20.7
4 21	13 35.63	−45 56.9	1.787	2.678	12.2	20.6
5 1	13 23.91	−44 34.7	1.794	2.695	11.7	20.6
5 11	13 14.42	−42 46.5	1.824	2.712	12.4	20.7
5 21	13 7.94	−40 44.0	1.877	2.728	13.9	20.8

281442 2008 SX_{77} 4 16.9 115°.14 0°.2/16.7 17

3 12	14 4.14	−12 42.1	2.143	2.959	12.9	21.2
3 22	13 59.54	−12 4.9	2.069	2.972	9.8	21.0
4 1	13 53.11	−11 16.6	2.020	2.983	6.2	20.8
4 11	13 45.48	−10 20.7	1.998	2.995	2.3	20.5
4 21	13 37.46	− 9 21.9	2.004	3.006	1.7	20.5
5 1	13 29.89	− 8 25.7	2.039	3.017	5.6	20.8
5 11	13 23.53	− 7 37.3	2.101	3.028	9.1	21.0
5 21	13 18.88	− 7 0.2	2.187	3.038	12.2	21.2

94478 2001 TV_{194} 4 16.9 111°.26 1°.8/18.2 18

3 12	14 9.91	−16 6.6	1.561	2.376	17.0	19.4
3 22	14 4.66	−16 6.9	1.491	2.388	13.2	19.2
4 1	13 56.71	−15 51.1	1.442	2.399	8.8	19.0
4 11	13 46.93	−15 21.0	1.417	2.411	4.1	18.7
4 21	13 36.48	−14 40.8	1.419	2.421	2.3	18.6
5 1	13 26.68	−13 56.6	1.448	2.432	6.6	18.9
5 11	13 18.67	−13 15.6	1.502	2.442	11.1	19.2
5 21	13 13.16	−12 43.5	1.579	2.452	14.9	19.5

207000 2004 TX_{220} 4 16.9 184°.93 4°.0/13.9 18

3 12	14 9.01	− 2 27.8	1.743	2.582	14.4	20.6
3 22	14 3.68	− 1 40.7	1.668	2.582	11.0	20.4
4 1	13 55.97	− 0 48.8	1.616	2.582	7.2	20.1
4 11	13 46.64	+ 0 1.6	1.590	2.581	4.2	19.9
4 21	13 36.67	+ 0 44.1	1.592	2.580	5.2	20.0
5 1	13 27.21	+ 1 13.1	1.621	2.578	8.8	20.2
5 11	13 19.25	+ 1 24.8	1.675	2.576	12.6	20.4
5 21	13 13.47	+ 1 18.2	1.750	2.573	16.0	20.6

120532 1994 PX_{38} 4 16.9 248°.17 2°.1/15.3 17

3 12	14 7.06	− 8 31.7	1.661	2.496	15.2	21.1
3 22	14 2.57	− 7 43.4	1.567	2.481	11.6	20.9
4 1	13 55.50	− 6 42.5	1.496	2.465	7.3	20.6
4 11	13 46.54	− 5 34.3	1.451	2.448	3.0	20.3
4 21	13 36.68	− 4 25.5	1.433	2.431	3.6	20.3
5 1	13 27.14	− 3 24.2	1.442	2.413	8.2	20.5
5 11	13 19.06	− 2 37.4	1.475	2.394	12.8	20.7
5 21	13 13.24	− 2 9.1	1.530	2.375	16.8	20.9

178746 2000 UL_{48} 4 16.9 230°.50 4°.3/12.6 17

3 12	14 5.29	+ 3 21.9	2.576	3.406	10.6	20.0
3 22	14 0.17	+ 3 51.8	2.493	3.400	8.2	19.8
4 1	13 53.43	+ 4 20.5	2.436	3.393	5.8	19.6
4 11	13 45.61	+ 4 43.7	2.407	3.386	4.3	19.5
4 21	13 37.37	+ 4 57.7	2.407	3.379	5.1	19.6
5 1	13 29.42	+ 4 59.5	2.435	3.372	7.4	19.7
5 11	13 22.45	+ 4 47.7	2.489	3.365	10.0	19.9
5 21	13 16.94	+ 4 22.1	2.567	3.357	12.4	20.0

198538 2004 XT_{119} 4 16.9 197°.53 1°.7/18.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 4.66	−17 31.9	2.219	3.017	13.1	20.9
3 22	14 0.08	−17 19.9	2.129	3.016	10.3	20.7
4 1	13 53.56	−16 54.3	2.061	3.014	7.0	20.5
4 11	13 45.70	−16 16.7	2.020	3.011	3.4	20.3
4 21	13 37.30	−15 30.2	2.007	3.009	1.9	20.1
5 1	13 29.23	−14 39.7	2.023	3.006	5.2	20.3
5 11	13 22.31	−13 50.5	2.066	3.003	8.7	20.6
5 21	13 17.13	−13 7.5	2.134	3.000	11.9	20.8

493592 2015 MC_{28} 4 16.9 141°.88 3°.9/21.2 18

3 12	14 3.93	−24 55.0	2.425	3.186	13.2	21.4
3 22	13 59.43	−24 58.0	2.336	3.191	10.8	21.2
4 1	13 53.09	−24 44.5	2.269	3.195	8.0	21.1
4 11	13 45.51	−24 14.8	2.228	3.199	5.3	20.9
4 21	13 37.44	−23 30.8	2.214	3.203	3.9	20.8
5 1	13 29.71	−22 36.5	2.229	3.206	5.2	20.9
5 11	13 23.10	−21 37.5	2.271	3.210	7.9	21.1
5 21	13 18.16	−20 39.3	2.338	3.213	10.7	21.3

173252 1999 RT_{80} 4 16.9 192°.98 0°.2/16.8 16

3 12	14 7.90	−12 1.8	2.030	2.845	13.6	22.0
3 22	14 2.65	−11 36.4	1.942	2.843	10.4	21.8
4 1	13 55.24	−10 59.7	1.878	2.841	6.7	21.5
4 11	13 46.36	−10 14.8	1.840	2.838	2.5	21.3
4 21	13 36.86	− 9 26.0	1.831	2.834	1.9	21.2
5 1	13 27.74	− 8 38.8	1.851	2.829	6.1	21.5
5 11	13 19.92	− 7 58.6	1.898	2.824	10.0	21.7
5 21	13 14.02	− 7 29.3	1.968	2.818	13.4	21.9

419659 2010 TH_{92} 4 16.9 197°.47 1°.3/18.2 16

3 12	14 6.29	−17 18.0	2.004	2.805	14.2	22.3
3 22	14 1.51	−16 47.7	1.913	2.803	11.1	22.0
4 1	13 54.56	−16 1.2	1.844	2.800	7.4	21.8
4 11	13 46.11	−15 0.9	1.802	2.796	3.4	21.5
4 21	13 37.04	−13 51.2	1.789	2.791	1.8	21.4
5 1	13 28.35	−12 38.5	1.804	2.786	5.7	21.7
5 11	13 20.97	−11 29.8	1.846	2.780	9.7	21.9
5 21	13 15.55	−10 31.1	1.912	2.774	13.2	22.1

388315 2006 SS_{323} 4 16.9 117°.10 0°.5/16.5 17

3 12	14 4.72	− 9 58.0	2.584	3.397	11.1	21.6
3 22	13 59.68	− 9 43.7	2.509	3.410	8.3	21.4
4 1	13 53.07	− 9 22.7	2.459	3.422	5.2	21.3
4 11	13 45.46	− 8 57.4	2.438	3.435	1.9	21.0
4 21	13 37.51	− 8 31.0	2.445	3.447	1.6	21.0
5 1	13 29.93	− 8 6.7	2.483	3.459	4.9	21.3
5 11	13 23.35	− 7 47.8	2.548	3.470	7.9	21.5
5 21	13 18.23	− 7 36.7	2.638	3.481	10.6	21.7

520028 2013 VJ_{27} 4 16.9 129°.33 2°.0/15.2 17

3 12	14 5.68	− 6 14.0	2.127	2.956	12.5	21.7
3 22	14 0.72	− 5 44.1	2.054	2.964	9.4	21.5
4 1	13 53.87	− 5 8.3	2.005	2.972	5.9	21.3
4 11	13 45.80	− 4 30.6	1.983	2.979	2.6	21.1
4 21	13 37.29	− 3 55.5	1.990	2.987	3.1	21.2
5 1	13 29.21	− 3 27.4	2.025	2.994	6.5	21.4
5 11	13 22.35	− 3 9.8	2.087	3.000	9.9	21.6
5 21	13 17.23	− 3 4.6	2.172	3.007	12.9	21.8

350520 2000 CY_{140} 4 16.9 352°.04 4°.2/19.6 18

3 12	14 6.55	−20 14.7	1.261	2.083	19.8	20.8
3 22	14 2.96	−20 34.8	1.185	2.082	15.9	20.5
4 1	13 56.10	−20 32.6	1.127	2.080	11.3	20.2
4 11	13 46.85	−20 7.4	1.092	2.079	6.5	20.0
4 21	13 36.52	−19 22.3	1.079	2.078	4.3	19.8
5 1	13 26.77	−18 24.4	1.091	2.078	7.8	20.0
5 11	13 19.07	−17 23.9	1.126	2.078	12.7	20.3
5 21	13 14.35	−16 30.5	1.181	2.078	17.2	20.6

382954 2004 VY_{24} 4 16.9 182°.04 1°.1/18.2 17

3 12	14 5.40	−16 36.3	2.817	3.603	10.9	22.8
3 22	14 0.19	−16 16.2	2.723	3.605	8.5	22.6
4 1	13 53.42	−15 45.2	2.653	3.605	5.6	22.5
4 11	13 45.62	−15 5.2	2.613	3.605	2.6	22.3
4 21	13 37.40	−14 18.8	2.602	3.604	1.4	22.2
5 1	13 29.47	−13 30.0	2.621	3.602	4.3	22.4
5 11	13 22.47	−12 43.0	2.670	3.599	7.3	22.5
5 21	13 16.87	−12 1.5	2.744	3.596	10.0	22.7

145123 2005 GD_{139} 4 16.9 343°.29 1°.3/17.9 17

3 12	14 0.16	−16 6.5	1.238	2.085	18.6	19.6
3 22	13 58.00	−15 45.8	1.160	2.076	14.6	19.3
4 1	13 52.89	−15 3.1	1.101	2.067	9.7	19.0
4 11	13 45.61	−14 1.6	1.064	2.060	4.2	18.7
4 21	13 37.37	−12 47.7	1.050	2.053	2.2	18.5
5 1	13 29.62	−11 31.3	1.060	2.048	7.8	18.8
5 11	13 23.71	−10 23.0	1.093	2.044	13.1	19.1
5 21	13 20.50	− 9 30.8	1.145	2.040	17.8	19.4

423841 2006 QR_{25} 4 16.9 239°.73 1°.8/15.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 6.68	− 8 23.2	1.963	2.790	13.5	22.2
3 22	14 1.89	− 7 42.0	1.866	2.775	10.3	21.9
4 1	13 54.88	− 6 50.7	1.793	2.760	6.5	21.7
4 11	13 46.28	− 5 53.6	1.746	2.743	2.6	21.4
4 21	13 36.93	− 4 56.2	1.728	2.727	3.1	21.4
5 1	13 27.86	− 4 4.6	1.739	2.709	7.1	21.6
5 11	13 20.02	− 3 24.5	1.775	2.691	11.2	21.8
5 21	13 14.13	− 2 59.3	1.834	2.672	14.7	22.0

216721 2005 EX_{199} 4 16.9 43°.24 3°.8/20.7 18

3 12	14 3.07	−23 47.3	2.011	2.793	14.9	19.8
3 22	13 59.12	−23 43.0	1.927	2.796	12.1	19.6
4 1	13 53.05	−23 19.7	1.864	2.800	8.8	19.4
4 11	13 45.54	−22 37.8	1.825	2.803	5.6	19.2
4 21	13 37.47	−21 40.3	1.814	2.807	3.8	19.1
5 1	13 29.81	−20 32.6	1.829	2.811	5.7	19.2
5 11	13 23.47	−19 21.8	1.871	2.815	9.0	19.4
5 21	13 19.05	−18 14.8	1.937	2.819	12.2	19.6

41123 1999 VX_{90} 4 16.9 265°.41 1°.7/15.7 18

3 12	14 7.60	− 6 24.8	1.997	2.825	13.3	19.3
3 22	14 2.53	− 6 16.1	1.904	2.813	10.1	19.1
4 1	13 55.26	− 6 1.7	1.834	2.801	6.4	18.8
4 11	13 46.41	− 5 45.0	1.792	2.789	2.6	18.6
4 21	13 36.86	− 5 29.5	1.777	2.776	2.8	18.6
5 1	13 27.58	− 5 19.4	1.791	2.764	6.8	18.8
5 11	13 19.55	− 5 18.2	1.831	2.751	10.7	19.0
5 21	13 13.45	− 5 28.1	1.894	2.738	14.1	19.2

382918 2004 RU_{217} 4 16.9 208°.43 5°.1/22.1 17

3 12	14 7.01	−27 55.4	2.368	3.110	14.0	21.7
3 22	14 1.99	−28 11.7	2.267	3.105	11.7	21.6
4 1	13 54.86	−28 10.0	2.188	3.099	9.1	21.4
4 11	13 46.25	−27 49.1	2.134	3.092	6.5	21.2
4 21	13 36.97	−27 10.0	2.107	3.086	5.1	21.1
5 1	13 27.97	−26 15.9	2.108	3.078	6.1	21.1
5 11	13 20.16	−25 12.8	2.136	3.070	8.6	21.3
5 21	13 14.20	−24 7.3	2.189	3.062	11.4	21.4

295559 2008 SC_{56} 4 16.9 270°.83 0°.8/16.4 17

3 12	14 6.27	−12 18.6	1.479	2.315	16.7	21.7
3 22	14 2.42	−11 36.0	1.380	2.293	12.9	21.4
4 1	13 55.68	−10 35.1	1.302	2.270	8.3	21.0
4 11	13 46.72	− 9 20.0	1.249	2.247	3.1	20.7
4 21	13 36.60	− 7 57.6	1.221	2.223	2.8	20.6
5 1	13 26.72	− 6 37.4	1.219	2.198	8.3	20.8
5 11	13 18.41	− 5 29.0	1.242	2.174	13.6	21.0
5 21	13 12.66	− 4 39.4	1.285	2.149	18.3	21.2

231910 2000 YU_{91} 4 16.9 225°.23 5°.4/22.7 18

3 12	14 7.50	−30 1.0	2.632	3.354	13.2	21.4
3 22	14 2.25	−30 16.6	2.521	3.341	11.2	21.2
4 1	13 55.00	−30 14.7	2.431	3.328	8.9	21.0
4 11	13 46.31	−29 53.6	2.365	3.313	6.7	20.9
4 21	13 36.93	−29 14.0	2.328	3.298	5.4	20.8
5 1	13 27.76	−28 18.4	2.318	3.282	6.1	20.8
5 11	13 19.66	−27 12.5	2.337	3.266	8.2	20.9
5 21	13 13.28	−26 2.3	2.381	3.249	10.8	21.0

81969 2000 QH_{55} 4 16.9 241°.21 7°.5/ 6.5 18

3 12	14 1.14	+11 59.1	2.503	3.338	10.7	19.7
3 22	13 57.17	+13 41.6	2.435	3.328	8.9	19.5
4 1	13 51.60	+15 19.5	2.392	3.318	7.7	19.4
4 11	13 44.95	+16 45.3	2.377	3.307	7.6	19.4
4 21	13 37.88	+17 53.2	2.388	3.297	8.8	19.5
5 1	13 31.08	+18 38.9	2.425	3.286	10.6	19.6
5 11	13 25.24	+19 0.7	2.485	3.275	12.7	19.7
5 21	13 20.82	+18 59.6	2.563	3.264	14.5	19.8

429262 2010 CZ_{1} 4 16.9 70°.14 4°.9/21.3 17

3 12	14 7.00	−25 9.7	1.895	2.667	16.0	20.8
3 22	14 2.16	−25 31.3	1.824	2.684	13.1	20.6
4 1	13 54.99	−25 33.2	1.774	2.701	9.8	20.4
4 11	13 46.28	−25 15.0	1.748	2.718	6.6	20.3
4 21	13 37.00	−24 38.6	1.748	2.735	4.9	20.2
5 1	13 28.29	−23 48.9	1.775	2.752	6.4	20.3
5 11	13 21.10	−22 52.8	1.828	2.769	9.4	20.5
5 21	13 16.06	−21 57.4	1.904	2.786	12.4	20.8

296154 2009 BW_{112} 4 16.9 294°.24 3°.9/13.8 17

3 12	14 3.44	− 5 18.3	1.461	2.316	15.8	20.5
3 22	14 0.02	− 4 11.9	1.380	2.304	12.0	20.2
4 1	13 53.95	− 2 54.5	1.320	2.291	7.7	20.0
4 11	13 45.98	− 1 33.4	1.285	2.279	4.2	19.7
4 21	13 37.16	− 0 17.8	1.275	2.267	5.5	19.7
5 1	13 28.75	+ 0 43.3	1.291	2.255	9.8	20.0
5 11	13 21.93	+ 1 23.1	1.329	2.243	14.3	20.2
5 21	13 17.47	+ 1 38.9	1.387	2.231	18.2	20.4

114125 2002 VC_{50} 4 16.9 237°.81 3°.1/14.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 6.70	− 6 52.0	1.434	2.282	16.5	19.9
3 22	14 2.52	− 5 55.5	1.356	2.276	12.5	19.6
4 1	13 55.55	− 4 47.1	1.299	2.269	7.9	19.3
4 11	13 46.58	− 3 33.6	1.266	2.263	3.7	19.0
4 21	13 36.77	− 2 23.4	1.260	2.255	4.7	19.1
5 1	13 27.45	− 1 25.5	1.279	2.248	9.4	19.3
5 11	13 19.84	− 0 46.5	1.322	2.240	14.0	19.6
5 21	13 14.75	− 0 29.6	1.384	2.232	18.1	19.8

253919 2004 CS_{28} 4 16.9 254°.14 2°.1/18.5 17

3 12	14 6.84	−17 1.9	1.674	2.487	16.1	20.9
3 22	14 2.40	−17 4.3	1.589	2.484	12.7	20.6
4 1	13 55.37	−16 50.8	1.524	2.480	8.6	20.4
4 11	13 46.50	−16 22.5	1.484	2.476	4.2	20.1
4 21	13 36.82	−15 42.6	1.470	2.472	2.4	20.0
5 1	13 27.54	−14 57.0	1.483	2.468	6.4	20.2
5 11	13 19.81	−14 12.6	1.522	2.464	10.8	20.4
5 21	13 14.40	−13 35.6	1.583	2.460	14.7	20.7

518540 2006 UL_{363} 4 16.9 258°.97 0°.3/16.7 17

3 12	14 1.26	−12 57.2	2.382	3.198	11.8	22.1
3 22	13 57.39	−12 12.1	2.284	3.186	9.0	21.9
4 1	13 51.82	−11 15.3	2.211	3.175	5.7	21.7
4 11	13 45.06	−10 10.1	2.165	3.162	2.1	21.4
4 21	13 37.81	− 9 0.9	2.148	3.150	1.7	21.4
5 1	13 30.81	− 7 53.2	2.160	3.138	5.4	21.6
5 11	13 24.79	− 6 52.5	2.200	3.125	8.8	21.8
5 21	13 20.28	− 6 2.9	2.263	3.113	11.9	22.0

130768 2000 SV_{308} 4 16.9 303°.15 4°.6/20.3 17

3 12	14 4.04	−22 39.0	1.402	2.212	18.8	19.2
3 22	14 0.95	−22 47.7	1.310	2.198	15.3	18.9
4 1	13 54.83	−22 32.1	1.237	2.184	11.2	18.7
4 11	13 46.41	−21 51.3	1.186	2.170	6.9	18.4
4 21	13 36.84	−20 47.6	1.159	2.156	4.7	18.2
5 1	13 27.62	−19 28.2	1.157	2.143	7.6	18.3
5 11	13 20.19	−18 3.9	1.178	2.130	12.3	18.5
5 21	13 15.49	−16 45.5	1.220	2.117	16.8	18.8

213229 2000 WU_{76} 4 16.9 216°.32 2°.1/14.8 18

3 12	14 4.74	− 3 47.1	2.711	3.534	10.3	20.5
3 22	13 59.72	− 3 27.9	2.621	3.528	7.8	20.3
4 1	13 53.15	− 3 5.7	2.558	3.523	5.0	20.1
4 11	13 45.54	− 2 43.6	2.522	3.516	2.5	19.9
4 21	13 37.50	− 2 24.8	2.517	3.510	3.0	19.9
5 1	13 29.72	− 2 12.3	2.541	3.503	5.7	20.1
5 11	13 22.84	− 2 8.4	2.592	3.496	8.6	20.3
5 21	13 17.34	− 2 14.6	2.668	3.489	11.1	20.4

71037 1999 XF_{73} 4 16.9 174°.52 0°.1/16.9 18

3 12	14 3.98	−12 57.0	2.250	3.064	12.5	19.6
3 22	13 59.46	−12 26.3	2.165	3.066	9.5	19.4
4 1	13 53.12	−11 44.6	2.105	3.067	6.1	19.2
4 11	13 45.55	−10 54.9	2.071	3.068	2.3	19.0
4 21	13 37.51	−10 1.4	2.066	3.069	1.6	18.9
5 1	13 29.83	− 9 9.2	2.090	3.069	5.4	19.2
5 11	13 23.27	− 8 23.2	2.141	3.069	8.9	19.4
5 21	13 18.36	− 7 47.3	2.216	3.069	12.0	19.6

105152 2000 NV_{24} 4 16.9 150°.03 6°.4/26.1 18

3 12	14 6.83	−37 57.8	3.181	3.837	12.3	19.5
3 22	14 1.41	−38 22.5	3.089	3.847	10.8	19.4
4 1	13 54.27	−38 29.3	3.017	3.856	9.1	19.2
4 11	13 45.97	−38 16.7	2.969	3.865	7.6	19.1
4 21	13 37.23	−37 44.8	2.947	3.874	6.6	19.1
5 1	13 28.81	−36 55.8	2.952	3.881	6.6	19.1
5 11	13 21.43	−35 54.0	2.984	3.889	7.6	19.2
5 21	13 15.61	−34 44.7	3.042	3.895	9.1	19.3

356295 2010 EW_{137} 4 16.9 350°.72 3°.9/18.9 14 C

3 12	14 7.56	−16 44.0	1.132	1.971	20.5	20.4
3 22	14 4.10	−17 34.1	1.058	1.966	16.3	20.1
4 1	13 57.06	−18 7.6	1.002	1.962	11.4	19.8
4 11	13 47.31	−18 23.0	0.968	1.959	6.2	19.5
4 21	13 36.26	−18 21.1	0.956	1.956	4.1	19.3
5 1	13 25.75	−18 6.8	0.968	1.955	8.4	19.6
5 11	13 17.46	−17 48.1	1.001	1.954	13.7	19.8
5 21	13 12.44	−17 33.0	1.053	1.954	18.5	20.1

165279 2000 SK_{304} 4 16.9 125°.06 4°.8/20.7 18

3 12	14 8.79	−23 38.2	1.620	2.407	17.7	20.0
3 22	14 3.99	−23 56.6	1.542	2.413	14.4	19.8
4 1	13 56.42	−23 53.6	1.483	2.420	10.6	19.5
4 11	13 46.91	−23 28.4	1.448	2.425	6.8	19.3
4 21	13 36.60	−22 43.1	1.439	2.431	4.8	19.2
5 1	13 26.84	−21 43.6	1.456	2.437	7.0	19.4
5 11	13 18.84	−20 38.5	1.498	2.442	10.8	19.6
5 21	13 13.37	−19 36.4	1.562	2.447	14.5	19.8

260602 2005 GJ_{12} 4 16.9 352.°00 2.°0/15.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 2.85	− 8 26.6	1.240	2.100	17.7	20.0
3 22	13 59.92	− 7 57.9	1.168	2.095	13.5	19.7
4 1	13 54.03	− 7 16.8	1.117	2.090	8.5	19.4
4 11	13 46.04	− 6 28.8	1.089	2.087	3.4	19.1
4 21	13 37.17	− 5 41.6	1.085	2.085	3.7	19.1
5 1	13 28.86	− 5 3.1	1.104	2.083	9.0	19.4
5 11	13 22.42	− 4 40.2	1.146	2.083	14.0	19.7
5 21	13 18.66	− 4 36.3	1.206	2.083	18.3	19.9

312993 1999 TH_{170} 4 16.9 117.°10 0.°7/17.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 8.46	−14 45.3	1.850	2.661	14.9	21.4
3 22	14 3.09	−14 22.2	1.782	2.679	11.4	21.2
4 1	13 55.49	−13 45.4	1.736	2.695	7.4	21.0
4 11	13 46.45	−12 57.7	1.716	2.711	3.0	20.7
4 21	13 36.95	−12 4.1	1.724	2.727	1.7	20.7
5 1	13 28.05	−11 10.5	1.760	2.742	6.0	21.0
5 11	13 20.65	−10 23.0	1.823	2.756	9.9	21.2
5 21	13 15.34	− 9 46.1	1.910	2.770	13.3	21.5

33082 1997 WF_{43} 4 16.9 300.°11 4.°7/13.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 7.09	− 2 0.2	1.395	2.250	16.4	17.7
3 22	14 2.89	− 1 19.4	1.318	2.241	12.6	17.4
4 1	13 55.83	− 0 33.6	1.263	2.232	8.3	17.1
4 11	13 46.72	+ 0 10.1	1.232	2.224	4.9	16.9
4 21	13 36.72	+ 0 44.2	1.226	2.216	6.1	16.9
5 1	13 27.21	+ 1 1.9	1.245	2.208	10.3	17.2
5 11	13 19.45	+ 0 59.2	1.286	2.200	14.7	17.4
5 21	13 14.27	+ 0 35.3	1.347	2.193	18.6	17.6

41304 1999 XA_{141} 4 16.9 272.°10 4.°9/11.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 4.93	+ 1 44.7	2.226	3.063	11.8	18.8
3 22	14 0.36	+ 2 44.7	2.125	3.036	9.1	18.6
4 1	13 53.84	+ 3 47.3	2.049	3.008	6.4	18.3
4 11	13 45.90	+ 4 46.5	2.000	2.980	4.9	18.2
4 21	13 37.26	+ 5 36.5	1.979	2.951	6.1	18.2
5 1	13 28.80	+ 6 11.8	1.986	2.921	8.9	18.3
5 11	13 21.35	+ 6 28.8	2.017	2.891	12.0	18.5
5 21	13 15.56	+ 6 26.6	2.071	2.861	14.9	18.6

459634 2013 JX_{21} 4 16.9 4.°81 0.°3/16.8 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 2.63	−12 28.3	1.177	2.033	18.8	21.6
3 22	13 59.88	−12 4.7	1.110	2.032	14.4	21.3
4 1	13 54.05	−11 23.4	1.061	2.032	9.2	21.0
4 11	13 46.06	−10 29.1	1.035	2.033	3.5	20.7
4 21	13 37.19	− 9 29.1	1.032	2.035	2.5	20.6
5 1	13 28.97	− 8 32.9	1.053	2.038	8.4	20.9
5 11	13 22.72	− 7 49.2	1.096	2.042	13.6	21.2
5 21	13 19.27	− 7 23.4	1.159	2.046	18.2	21.5

307243 2002 JU_{100} 4 16.9 47.°95 0.°6/16.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 8.12	−10 28.9	1.219	2.068	18.7	21.0
3 22	14 3.69	−10 18.6	1.166	2.085	14.2	20.7
4 1	13 56.23	− 9 55.4	1.133	2.103	9.0	20.5
4 11	13 46.79	− 9 23.7	1.123	2.121	3.3	20.2
4 21	13 36.76	− 8 49.6	1.138	2.140	2.6	20.2
5 1	13 27.63	− 8 20.3	1.177	2.160	8.1	20.6
5 11	13 20.62	− 8 1.8	1.239	2.179	12.9	20.9
5 21	13 16.40	− 7 57.5	1.322	2.199	17.0	21.2

398973 2013 EJ_{50} 4 16.9 269.°05 1.°0/17.7 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 7.31	−14 56.9	1.559	2.383	16.6	21.1
3 22	14 3.12	−14 44.6	1.461	2.364	13.0	20.9
4 1	13 56.09	−14 15.7	1.383	2.344	8.6	20.5
4 11	13 46.89	−13 31.9	1.329	2.324	3.7	20.2
4 21	13 36.57	−12 37.5	1.301	2.304	2.1	20.0
5 1	13 26.49	−11 39.3	1.300	2.283	7.3	20.3
5 11	13 17.96	−10 45.9	1.323	2.262	12.3	20.5
5 21	13 11.93	−10 4.0	1.368	2.241	16.8	20.7

468194 2015 AD_{252} 4 16.9 183.°87 4.°0/13.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 6.48	− 0 51.1	2.117	2.952	12.4	21.9
3 22	14 1.38	+ 0 0.6	2.040	2.952	9.4	21.7
4 1	13 54.36	+ 0 55.1	1.989	2.952	6.3	21.5
4 11	13 46.04	+ 1 47.0	1.964	2.952	4.1	21.4
4 21	13 37.24	+ 2 30.6	1.968	2.950	5.1	21.4
5 1	13 28.83	+ 3 1.3	2.000	2.949	8.0	21.6
5 11	13 21.64	+ 3 16.1	2.058	2.946	11.2	21.8
5 21	13 16.21	+ 3 14.0	2.138	2.944	14.0	22.0

125680 2001 XA_{83} 4 16.9 199.°96 4.°0/12.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 5.63	− 0 33.7	2.233	3.067	11.8	20.1
3 22	14 0.68	+ 0 23.1	2.152	3.064	9.0	19.9
4 1	13 53.90	+ 1 22.9	2.097	3.059	6.1	19.7
4 11	13 45.87	+ 2 20.1	2.069	3.055	4.1	19.6
4 21	13 37.35	+ 3 9.3	2.070	3.049	5.1	19.6
5 1	13 29.18	+ 3 45.6	2.099	3.043	7.9	19.8
5 11	13 22.12	+ 4 5.8	2.153	3.037	11.0	20.0
5 21	13 16.74	+ 4 9.0	2.230	3.030	13.7	20.1

383946 2008 SU_{268} 4 16.9 226.°76 3.°7/12.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 4.40	− 0 31.0	2.617	3.447	10.5	21.8
3 22	13 59.57	+ 0 27.6	2.524	3.433	8.0	21.7
4 1	13 53.13	+ 1 29.4	2.457	3.418	5.4	21.5
4 11	13 45.57	+ 2 29.4	2.418	3.403	3.7	21.3
4 21	13 37.54	+ 3 22.9	2.410	3.387	4.7	21.4
5 1	13 29.73	+ 4 5.3	2.430	3.371	7.2	21.5
5 11	13 22.83	+ 4 33.5	2.476	3.353	10.0	21.6
5 21	13 17.34	+ 4 46.0	2.546	3.335	12.5	21.8

498968 2009 BE_{127} 4 16.9 103.°91 4.°8/11.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 2.06	+ 1 14.9	2.187	3.030	11.7	21.6
3 22	13 57.94	+ 2 27.2	2.122	3.037	8.9	21.4
4 1	13 52.10	+ 3 40.7	2.082	3.043	6.2	21.3
4 11	13 45.17	+ 4 49.3	2.070	3.050	4.8	21.2
4 21	13 37.85	+ 5 46.9	2.085	3.056	5.9	21.3
5 1	13 30.95	+ 6 28.9	2.128	3.063	8.5	21.5
5 11	13 25.16	+ 6 52.4	2.195	3.069	11.2	21.6
5 21	13 20.96	+ 6 57.2	2.284	3.075	13.7	21.8

501889 2014 WF_{421} 4 16.9 115.°50 6.°8/10.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 5.44	+ 6 35.1	1.976	2.818	12.8	21.6
3 22	14 0.57	+ 7 58.0	1.924	2.832	10.1	21.4
4 1	13 53.79	+ 9 17.4	1.896	2.845	7.8	21.3
4 11	13 45.80	+10 25.4	1.895	2.858	6.9	21.3
4 21	13 37.45	+11 15.7	1.921	2.870	8.0	21.4
5 1	13 29.65	+11 44.2	1.972	2.882	10.4	21.5
5 11	13 23.18	+11 49.5	2.047	2.894	13.0	21.7
5 21	13 18.53	+11 33.0	2.142	2.905	15.3	21.9

355138 2006 UA_{221} 4 16.9 196.°06 1.°3/18.8 13 C

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 2.90	−18 0.6	3.306	4.085	9.6	23.1
3 22	13 58.15	−17 42.3	3.205	4.081	7.5	22.9
4 1	13 52.09	−17 14.1	3.130	4.077	5.1	22.8
4 11	13 45.16	−16 37.2	3.082	4.072	2.6	22.6
4 21	13 37.86	−15 54.0	3.065	4.066	1.5	22.5
5 1	13 30.78	−15 7.6	3.079	4.060	3.7	22.6
5 11	13 24.45	−14 21.6	3.122	4.053	6.3	22.8
5 21	13 19.29	−13 39.3	3.191	4.046	8.7	22.9

175466 2006 QA_{116} 4 16.9 148.°87 5.°5/23.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 6.85	−31 48.5	2.891	3.597	12.5	21.5
3 22	14 1.49	−32 15.0	2.801	3.605	10.6	21.4
4 1	13 54.38	−32 24.9	2.731	3.614	8.6	21.3
4 11	13 46.06	−32 17.2	2.687	3.621	6.7	21.1
4 21	13 37.26	−31 52.1	2.670	3.629	5.6	21.1
5 1	13 28.76	−31 12.3	2.681	3.635	5.9	21.1
5 11	13 21.30	−30 22.1	2.720	3.642	7.5	21.2
5 21	13 15.43	−29 26.9	2.784	3.648	9.5	21.4

348861 2006 SD_{132} 4 16.9 209.°70 3.°5/20.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 2.84	−23 54.7	2.318	3.090	13.4	20.5
3 22	13 58.73	−23 49.0	2.226	3.089	10.9	20.3
4 1	13 52.74	−23 26.3	2.156	3.088	8.0	20.1
4 11	13 45.46	−22 47.1	2.111	3.088	5.1	19.9
4 21	13 37.67	−21 53.9	2.094	3.087	3.5	19.8
5 1	13 30.20	−20 51.1	2.105	3.086	5.2	19.9
5 11	13 23.86	−19 44.9	2.143	3.085	8.2	20.1
5 21	13 19.21	−18 41.2	2.206	3.084	11.1	20.3

421259 2013 SE_{62} 4 16.9 263.°80 3.°9/13.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 6.03	− 2 37.2	1.799	2.641	13.9	21.1
3 22	14 1.54	− 1 52.1	1.711	2.628	10.6	20.8
4 1	13 54.74	− 1 1.7	1.647	2.614	7.0	20.6
4 11	13 46.29	− 0 11.9	1.609	2.601	4.1	20.4
4 21	13 37.10	+ 0 31.2	1.598	2.587	5.1	20.4
5 1	13 28.24	+ 1 1.6	1.614	2.573	8.7	20.6
5 11	13 20.72	+ 1 15.1	1.654	2.558	12.6	20.8
5 21	13 15.24	+ 1 10.1	1.716	2.544	16.0	21.0

122993 2000 SR_{247} 4 16.9 166.°40 4.°6/20.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 10.30	−24 11.4	2.228	2.986	14.3	20.6
3 22	14 4.53	−24 45.5	2.138	2.990	11.7	20.4
4 1	13 56.52	−25 4.2	2.070	2.994	8.8	20.3
4 11	13 46.94	−25 6.0	2.028	2.997	6.0	20.1
4 21	13 36.67	−24 51.5	2.013	2.999	4.6	20.0
5 1	13 26.73	−24 23.7	2.028	3.001	6.0	20.1
5 11	13 18.10	−23 48.0	2.069	3.003	8.9	20.3
5 21	13 11.44	−23 10.0	2.135	3.004	11.8	20.5

467965 2012 JC_{33} 4 16.9 309.°99 2.°0/15.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 5.52	− 7 10.7	1.591	2.434	15.3	21.8
3 22	14 1.46	− 6 50.4	1.506	2.424	11.7	21.5
4 1	13 54.83	− 6 21.6	1.443	2.413	7.4	21.2
4 11	13 46.36	− 5 48.6	1.405	2.403	3.0	21.0
4 21	13 37.05	− 5 16.7	1.393	2.393	3.4	20.9
5 1	13 28.12	− 4 52.0	1.408	2.383	7.9	21.2
5 11	13 20.69	− 4 39.4	1.446	2.373	12.4	21.4
5 21	13 15.56	− 4 41.8	1.505	2.364	16.3	21.6

57145 2001 PV_{43} 4 16.9 208°.11 4°.2/13.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 9.14	− 2 36.1	1.629	2.470	15.1	20.2
3 22	14 4.04	− 1 46.4	1.550	2.467	11.5	19.9
4 1	13 56.37	− 0 51.0	1.495	2.462	7.6	19.7
4 11	13 46.91	+ 0 3.4	1.466	2.457	4.4	19.5
4 21	13 36.70	+ 0 49.7	1.463	2.451	5.5	19.5
5 1	13 26.98	+ 1 21.4	1.487	2.445	9.4	19.7
5 11	13 18.84	+ 1 34.4	1.535	2.438	13.4	19.9
5 21	13 13.01	+ 1 27.5	1.603	2.431	17.0	20.2

93154 2000 SK_{84} 4 16.9 110°.59 0°.9/16.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 6.65	− 9 55.7	2.064	2.885	13.2	20.1
3 22	14 1.48	− 9 27.1	1.996	2.902	9.9	20.0
4 1	13 54.39	− 8 49.7	1.953	2.918	6.2	19.8
4 11	13 46.06	− 8 7.1	1.936	2.933	2.3	19.5
4 21	13 37.34	− 7 24.0	1.948	2.949	2.2	19.5
5 1	13 29.12	− 6 45.2	1.988	2.964	6.0	19.8
5 11	13 22.21	− 6 15.0	2.056	2.978	9.5	20.1
5 21	13 17.11	− 5 56.2	2.146	2.992	12.6	20.3

248931 2006 WY_{26} 4 16.9 277°.14 2°.2/19.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 1.58	−20 14.7	2.337	3.127	12.8	20.1
3 22	13 57.75	−19 54.8	2.240	3.120	10.2	19.9
4 1	13 52.12	−19 19.4	2.166	3.112	7.1	19.7
4 11	13 45.24	−18 30.1	2.118	3.105	3.9	19.4
4 21	13 37.84	−17 30.1	2.098	3.097	2.3	19.3
5 1	13 30.72	−16 24.1	2.106	3.090	4.9	19.5
5 11	13 24.65	−15 18.2	2.142	3.082	8.2	19.7
5 21	13 20.19	−14 17.9	2.203	3.075	11.3	19.9

271887 2004 VN_{12} 4 16.9 108°.00 5°.9/11.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 7.50	+ 5 27.2	2.025	2.862	12.8	20.2
3 22	14 2.10	+ 6 14.4	1.966	2.874	9.9	20.0
4 1	13 54.77	+ 6 58.3	1.932	2.885	7.3	19.9
4 11	13 46.20	+ 7 32.8	1.924	2.896	5.9	19.8
4 21	13 37.26	+ 7 52.9	1.943	2.907	6.9	19.9
5 1	13 28.86	+ 7 55.3	1.990	2.918	9.3	20.0
5 11	13 21.80	+ 7 39.2	2.060	2.928	12.1	20.2
5 21	13 16.58	+ 7 5.5	2.152	2.938	14.6	20.4

144879 2004 RS_{39} 4 16.9 12°.40 6°.9/20.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 8.71	−22 19.6	1.317	2.125	19.9	18.2
3 22	14 4.63	−23 44.5	1.247	2.129	16.3	18.0
4 1	13 57.24	−24 50.9	1.195	2.134	12.4	17.8
4 11	13 47.38	−25 34.6	1.166	2.140	8.6	17.6
4 21	13 36.40	−25 53.9	1.160	2.147	6.9	17.5
5 1	13 25.97	−25 51.5	1.178	2.156	8.8	17.6
5 11	13 17.62	−25 34.7	1.219	2.165	12.5	17.9
5 21	13 12.30	−25 12.1	1.280	2.176	16.3	18.1

343037 2009 BF_{141} 4 16.9 127°.84 2°.1/14.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 3.73	− 5 53.2	2.406	3.234	11.3	22.0
3 22	13 59.06	− 5 12.3	2.335	3.244	8.5	21.8
4 1	13 52.77	− 4 26.0	2.288	3.254	5.3	21.6
4 11	13 45.44	− 3 38.5	2.269	3.264	2.5	21.4
4 21	13 37.76	− 2 53.9	2.279	3.274	3.1	21.5
5 1	13 30.46	− 2 16.7	2.319	3.283	6.1	21.7
5 11	13 24.22	− 1 50.2	2.384	3.292	9.1	21.9
5 21	13 19.48	− 1 36.1	2.474	3.300	11.7	22.1

119595 2001 WY_{8} 4 16.9 267°.68 6°.3/11.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 8.42	+ 5 4.9	1.948	2.785	13.2	20.0
3 22	14 3.28	+ 5 57.3	1.854	2.762	10.4	19.8
4 1	13 55.85	+ 6 48.7	1.785	2.739	7.7	19.6
4 11	13 46.74	+ 7 32.2	1.741	2.714	6.3	19.5
4 21	13 36.84	+ 8 1.4	1.725	2.690	7.5	19.5
5 1	13 27.17	+ 8 11.2	1.736	2.665	10.4	19.6
5 11	13 18.76	+ 7 59.2	1.770	2.640	13.7	19.7
5 21	13 12.33	+ 7 25.7	1.825	2.614	16.7	19.9

213768 2003 CK_{20} 4 16.9 95°.24 0°.6/16.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 2.71	−11 20.2	2.351	3.169	11.8	20.8
3 22	13 58.33	−10 42.0	2.280	3.184	8.9	20.6
4 1	13 52.32	− 9 54.6	2.234	3.198	5.6	20.4
4 11	13 45.27	− 9 1.6	2.215	3.213	2.1	20.2
4 21	13 37.89	− 8 7.3	2.225	3.227	1.8	20.2
5 1	13 30.91	− 7 16.5	2.265	3.241	5.3	20.5
5 11	13 25.01	− 6 33.6	2.331	3.255	8.5	20.7
5 21	13 20.64	− 6 1.5	2.422	3.268	11.3	20.9

382810 2003 UX_{214} 4 16.9 266°.54 0°.3/16.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 6.66	−10 35.5	2.091	2.910	13.1	21.4
3 22	14 1.83	−10 29.8	1.991	2.894	10.1	21.2
4 1	13 54.87	−10 15.5	1.914	2.878	6.5	20.9
4 11	13 46.36	− 9 54.8	1.865	2.862	2.5	20.6
4 21	13 37.10	− 9 31.0	1.843	2.845	1.8	20.5
5 1	13 28.07	− 9 8.2	1.850	2.829	6.0	20.8
5 11	13 20.19	− 8 50.8	1.883	2.812	9.9	21.0
5 21	13 14.15	− 8 42.2	1.940	2.794	13.4	21.1

377149 2003 SV_{47} 4 16.9 172°.50 2°.0/19.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 5.02	−20 7.2	2.873	3.645	11.1	22.0
3 22	13 59.93	−19 51.7	2.780	3.649	8.8	21.8
4 1	13 53.30	−19 23.9	2.711	3.653	6.1	21.7
4 11	13 45.66	−18 44.9	2.670	3.656	3.4	21.5
4 21	13 37.62	−17 57.2	2.659	3.658	2.1	21.4
5 1	13 29.87	−17 4.6	2.678	3.659	4.2	21.5
5 11	13 23.06	−16 11.4	2.726	3.660	7.0	21.7
5 21	13 17.64	−15 22.0	2.800	3.660	9.6	21.9

364710 2007 VU_{7} 4 16.9 193°.83 2°.5/19.0 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 9.36	−18 42.0	1.912	2.706	15.1	21.9
3 22	14 4.06	−18 44.4	1.822	2.704	12.0	21.7
4 1	13 56.35	−18 31.0	1.754	2.702	8.3	21.5
4 11	13 46.92	−18 2.7	1.711	2.699	4.4	21.2
4 21	13 36.75	−17 22.1	1.696	2.696	2.7	21.1
5 1	13 26.96	−16 34.2	1.709	2.692	6.0	21.3
5 11	13 18.60	−15 45.6	1.749	2.687	9.9	21.5
5 21	13 12.38	−15 2.3	1.813	2.682	13.5	21.7

430765 2004 RU_{174} 4 16.9 216°.97 5°.0/21.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 7.19	−27 33.3	2.366	3.110	14.0	22.1
3 22	14 2.18	−27 47.5	2.263	3.102	11.6	21.9
4 1	13 55.05	−27 43.8	2.181	3.094	9.0	21.8
4 11	13 46.42	−27 21.0	2.124	3.085	6.4	21.6
4 21	13 37.09	−26 40.0	2.095	3.075	5.0	21.5
5 1	13 28.03	−25 44.3	2.093	3.065	6.0	21.5
5 11	13 20.14	−24 39.9	2.119	3.054	8.6	21.6
5 21	13 14.09	−23 33.3	2.170	3.043	11.5	21.8

132856 2002 RK_{61} 4 16.9 307°.62 2°.4/18.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 10.29	−14 43.4	1.780	2.590	15.4	19.5
3 22	14 5.42	−15 25.2	1.660	2.554	12.3	19.2
4 1	13 57.71	−15 58.4	1.563	2.518	8.5	18.9
4 11	13 47.65	−16 22.3	1.491	2.482	4.3	18.5
4 21	13 36.16	−16 36.9	1.446	2.446	2.8	18.3
5 1	13 24.52	−16 44.3	1.428	2.411	6.9	18.5
5 11	13 14.10	−16 48.6	1.436	2.375	11.6	18.7
5 21	13 5.97	−16 54.5	1.467	2.339	15.9	18.8

365859 2011 UK_{133} 4 17.0 334°.40 4°.6/20.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 4.07	−22 17.5	1.311	2.127	19.5	20.2
3 22	14 1.06	−22 27.6	1.230	2.121	15.9	19.9
4 1	13 54.93	−22 12.7	1.167	2.116	11.5	19.7
4 11	13 46.51	−21 32.3	1.126	2.110	7.0	19.4
4 21	13 37.03	−20 29.5	1.109	2.106	4.6	19.2
5 1	13 28.06	−19 12.2	1.115	2.102	7.7	19.4
5 11	13 21.00	−17 51.5	1.145	2.098	12.4	19.6
5 21	13 16.78	−16 38.1	1.195	2.095	16.8	19.9

114657 2003 FG_{3} 4 17.0 12°.42 12°.7/30.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 4.67	+30 23.0	2.223	3.003	13.7	19.2
3 22	14 0.10	+32 3.2	2.192	3.004	12.9	19.2
4 1	13 53.56	+33 22.9	2.182	3.005	12.7	19.1
4 11	13 45.77	+34 14.6	2.194	3.006	13.2	19.2
4 21	13 37.61	+34 34.1	2.226	3.007	14.1	19.2
5 1	13 29.99	+34 20.3	2.277	3.008	15.2	19.3
5 11	13 23.73	+33 35.4	2.345	3.009	16.5	19.4
5 21	13 19.31	+32 23.9	2.426	3.011	17.6	19.5

71347 2000 AH_{105} 4 17.0 249°.43 8°.2/ 7.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 5.00	+12 46.6	2.228	3.059	12.0	19.6
3 22	14 0.33	+14 7.7	2.154	3.045	10.0	19.4
4 1	13 53.76	+15 22.5	2.104	3.030	8.5	19.3
4 11	13 45.90	+16 23.6	2.080	3.015	8.3	19.3
4 21	13 37.49	+17 4.8	2.083	3.000	9.4	19.3
5 1	13 29.41	+17 22.0	2.110	2.984	11.5	19.4
5 11	13 22.44	+17 14.2	2.160	2.968	13.7	19.5
5 21	13 17.17	+16 42.8	2.229	2.951	15.9	19.7

40922 1999 TH_{172} 4 17.0 242°.83 2°.1/15.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 5.49	− 6 14.9	2.006	2.838	13.1	19.1
3 22	14 0.86	− 5 48.1	1.921	2.833	9.9	18.9
4 1	13 54.17	− 5 14.8	1.861	2.828	6.3	18.7
4 11	13 46.07	− 4 39.1	1.827	2.824	2.7	18.5
4 21	13 37.38	− 4 5.6	1.821	2.818	3.2	18.5
5 1	13 29.04	− 3 39.0	1.844	2.813	6.9	18.7
5 11	13 21.93	− 3 23.4	1.891	2.808	10.6	18.9
5 21	13 16.67	− 3 20.9	1.962	2.803	13.8	19.1

138908 2000 YG_{130} 4 17.0 215°.56 1°.3/18.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 2.40	−17 10.4	2.925	3.714	10.5	20.8
3 22	13 57.99	−16 53.4	2.825	3.707	8.2	20.7
4 1	13 52.11	−16 25.8	2.749	3.700	5.5	20.5
4 11	13 45.24	−15 49.1	2.701	3.692	2.7	20.3
4 21	13 37.95	−15 5.9	2.682	3.684	1.5	20.2
5 1	13 30.87	−14 19.6	2.693	3.675	4.1	20.4
5 11	13 24.63	−13 34.3	2.733	3.667	7.0	20.5
5 21	13 19.67	−12 53.6	2.799	3.657	9.6	20.7