200185 1999 RQ_{65} 5 3.9 210°.67 5°.6/ 8.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
4 1	15 12.40	−34 35.1	2.437	3.213	12.9	21.2
4 11	15 6.11	−34 56.4	2.343	3.207	10.7	21.1
4 21	14 57.76	−35 0.9	2.272	3.200	8.2	20.9
5 1	14 48.06	−34 46.6	2.226	3.192	6.2	20.7
5 11	14 37.96	−34 14.2	2.208	3.184	5.6	20.7
5 21	14 28.46	−33 26.8	2.218	3.175	7.1	20.8
5 31	14 20.46	−32 29.6	2.254	3.166	9.5	20.9
6 10	14 14.59	−31 29.2	2.313	3.156	12.0	21.0

475242 2005 WB_{21} 5 3.9 246°.86 2°.2/ 6.5 16

4 1	15 7.20	−26 57.4	3.142	3.949	9.6	23.4
4 11	15 1.83	−26 35.7	3.031	3.927	7.4	23.2
4 21	14 55.06	−26 2.5	2.945	3.905	5.0	23.0
5 1	14 47.40	−25 18.4	2.888	3.883	2.8	22.8
5 11	14 39.49	−24 25.3	2.861	3.860	2.6	22.8
5 21	14 31.95	−23 26.6	2.864	3.836	4.9	22.9
5 31	14 25.39	−22 26.2	2.895	3.812	7.5	23.1
6 10	14 20.26	−21 28.2	2.952	3.787	9.9	23.2

501854 2014 WH_{214} 5 3.9 258°.83 1°.7/ 2.9 17

4 1	15 10.81	−13 27.0	1.608	2.475	14.3	21.5
4 11	15 5.40	−12 59.0	1.526	2.463	10.5	21.2
4 21	14 57.53	−12 23.9	1.467	2.451	6.1	21.0
5 1	14 48.03	−11 45.2	1.433	2.439	2.0	20.7
5 11	14 38.04	−11 8.1	1.426	2.426	4.4	20.8
5 21	14 28.78	−10 37.6	1.445	2.413	9.1	21.0
5 31	14 21.31	−10 18.6	1.488	2.400	13.5	21.2
6 10	14 16.37	−10 13.8	1.551	2.387	17.2	21.5

155046 2005 RB_{10} 5 3.9 148°.86 5°.9/ 8.3 18

4 1	15 14.42	−33 22.0	2.108	2.896	14.3	20.6
4 11	15 7.73	−33 54.3	2.031	2.903	11.7	20.5
4 21	14 58.75	−34 8.7	1.976	2.910	8.9	20.3
5 1	14 48.29	−34 2.9	1.947	2.917	6.5	20.2
5 11	14 37.50	−33 37.7	1.944	2.923	6.0	20.1
5 21	14 27.50	−32 56.6	1.969	2.929	7.7	20.3
5 31	14 19.29	−32 5.7	2.019	2.934	10.3	20.4
6 10	14 13.51	−31 12.2	2.093	2.939	13.0	20.6

129763 1999 GD_{11} 5 3.9 79°.14 2°.3/ 2.5 18

4 1	15 10.24	−13 57.7	1.357	2.233	15.9	19.8
4 11	15 4.95	−12 59.4	1.303	2.244	11.5	19.5
4 21	14 57.16	−11 52.2	1.270	2.256	6.6	19.3
5 1	14 47.90	−10 42.4	1.263	2.267	2.5	19.1
5 11	14 38.51	− 9 37.6	1.281	2.279	5.1	19.3
5 21	14 30.24	− 8 44.8	1.324	2.291	9.9	19.5
5 31	14 24.08	− 8 9.2	1.389	2.302	14.2	19.8
6 10	14 20.60	− 7 52.9	1.474	2.313	17.8	20.1

29396 1996 PM_{3} 5 3.9 81°.32 7°.6/28.3 18

4 1	15 8.30	+ 1 2.9	1.688	2.558	13.6	18.0
4 11	15 3.03	+ 2 28.2	1.645	2.573	10.6	17.8
4 21	14 55.83	+ 3 46.2	1.626	2.587	8.2	17.7
5 1	14 47.57	+ 4 49.0	1.632	2.601	7.7	17.7
5 11	14 39.27	+ 5 30.7	1.664	2.615	9.3	17.8
5 21	14 31.86	+ 5 48.4	1.719	2.629	12.0	18.0
5 31	14 26.11	+ 5 42.0	1.797	2.643	14.7	18.2
6 10	14 22.51	+ 5 13.8	1.892	2.657	17.1	18.4

320414 2007 VP_{2} 5 3.9 123°.55 0°.5/ 4.4 18

4 1	15 10.00	−17 51.0	2.249	3.094	11.6	20.9
4 11	15 4.11	−17 55.9	2.176	3.101	8.5	20.7
4 21	14 56.46	−17 54.0	2.128	3.107	5.1	20.5
5 1	14 47.74	−17 46.3	2.107	3.113	1.4	20.3
5 11	14 38.80	−17 35.0	2.116	3.119	2.6	20.4
5 21	14 30.49	−17 22.9	2.152	3.125	6.2	20.6
5 31	14 23.55	−17 13.1	2.215	3.130	9.5	20.8
6 10	14 18.51	−17 8.4	2.301	3.136	12.4	21.0

176699 2002 QE_{22} 5 3.9 229°.93 3°.4/ 1.5 17

4 1	15 9.49	− 9 43.3	1.818	2.685	12.9	20.6
4 11	15 4.08	− 8 46.0	1.740	2.676	9.5	20.4
4 21	14 56.60	− 7 44.2	1.685	2.667	5.8	20.1
5 1	14 47.80	− 6 43.0	1.658	2.657	3.4	20.0
5 11	14 38.66	− 5 48.6	1.658	2.647	5.5	20.1
5 21	14 30.20	− 5 6.2	1.684	2.637	9.3	20.3
5 31	14 23.32	− 4 39.6	1.735	2.626	13.0	20.5
6 10	14 18.61	− 4 30.6	1.806	2.615	16.2	20.6

11916 Wiesloch 5 3.9 95°.99 3°.1/ 1.9 18

4 1	15 9.45	−11 46.4	1.498	2.373	14.7	17.8
4 11	15 4.23	−10 44.4	1.439	2.380	10.7	17.5
4 21	14 56.70	− 9 36.1	1.402	2.387	6.3	17.3
5 1	14 47.80	− 8 27.6	1.391	2.394	3.1	17.1
5 11	14 38.73	− 7 26.3	1.406	2.401	5.5	17.3
5 21	14 30.62	− 6 38.3	1.447	2.408	9.8	17.5
5 31	14 24.42	− 6 7.8	1.511	2.414	13.8	17.8
6 10	14 20.69	− 5 56.5	1.594	2.421	17.2	18.0

262452 2006 UG_{110} 5 3.9 315°.03 2°.6/ 5.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
4 1	15 7.31	−23 51.9	1.330	2.192	17.0	20.4
4 11	15 3.45	−23 38.0	1.246	2.176	13.1	20.1
4 21	14 56.67	−23 4.4	1.182	2.159	8.4	19.8
5 1	14 47.87	−22 11.6	1.140	2.143	3.7	19.5
5 11	14 38.42	−21 4.4	1.123	2.127	4.1	19.5
5 21	14 29.79	−19 50.7	1.130	2.112	9.1	19.7
5 31	14 23.32	−18 40.0	1.160	2.098	14.1	19.9
6 10	14 19.87	−17 40.9	1.208	2.084	18.6	20.2

366711 2003 WJ_{154} 5 3.9 186°.17 3°.2/ 1.8 17

4 1	15 11.09	− 9 17.9	1.842	2.706	12.9	21.6
4 11	15 5.15	− 8 35.0	1.771	2.706	9.5	21.4
4 21	14 57.17	− 7 49.4	1.724	2.706	5.8	21.2
5 1	14 47.92	− 7 5.4	1.704	2.705	3.2	21.0
5 11	14 38.42	− 6 28.2	1.712	2.703	5.2	21.2
5 21	14 29.67	− 6 1.9	1.747	2.701	8.9	21.4
5 31	14 22.53	− 5 49.6	1.806	2.698	12.5	21.6
6 10	14 17.58	− 5 52.5	1.886	2.695	15.6	21.8

307769 2003 WG_{25} 5 3.9 103°.62 5°.6/30.8 18

4 1	15 13.54	− 2 20.7	1.699	2.563	13.8	20.5
4 11	15 6.79	− 1 42.5	1.652	2.582	10.4	20.3
4 21	14 58.00	− 1 9.3	1.629	2.600	7.1	20.2
5 1	14 48.08	− 0 46.4	1.632	2.619	5.6	20.1
5 11	14 38.14	− 0 37.9	1.662	2.636	7.2	20.2
5 21	14 29.20	− 0 45.9	1.717	2.654	10.3	20.5
5 31	14 22.08	− 1 10.6	1.797	2.671	13.5	20.7
6 10	14 17.27	− 1 50.6	1.896	2.687	16.2	20.9

178055 2006 SU_{16} 5 3.9 236°.79 1°.4/ 2.9 18

4 1	15 10.31	−14 54.3	1.968	2.824	12.6	21.7
4 11	15 4.66	−14 9.8	1.878	2.810	9.2	21.4
4 21	14 56.95	−13 16.7	1.812	2.795	5.3	21.2
5 1	14 47.89	−12 18.5	1.773	2.779	1.6	20.9
5 11	14 38.44	−11 20.1	1.763	2.762	3.8	21.0
5 21	14 29.58	−10 27.0	1.780	2.745	8.0	21.2
5 31	14 22.21	− 9 44.1	1.823	2.727	11.8	21.4
6 10	14 16.96	− 9 15.1	1.888	2.708	15.2	21.6

456077 2006 BT_{38} 5 3.9 208°.56 4°.9/30.8 17

4 1	15 12.64	− 5 48.8	1.719	2.584	13.6	21.5
4 11	15 6.45	− 4 52.7	1.645	2.579	10.2	21.3
4 21	14 58.01	− 3 56.0	1.596	2.572	6.7	21.1
5 1	14 48.13	− 3 4.7	1.572	2.565	4.9	20.9
5 11	14 37.92	− 2 24.8	1.576	2.557	6.9	21.0
5 21	14 28.47	− 2 0.9	1.606	2.548	10.5	21.2
5 31	14 20.74	− 1 55.7	1.660	2.539	14.1	21.4
6 10	14 15.39	− 2 9.3	1.733	2.528	17.3	21.6

314103 2005 EG_{74} 5 4.0 155°.11 0°.7/ 4.5 16

4 1	15 13.26	−19 20.6	1.893	2.737	13.5	21.6
4 11	15 6.74	−19 8.3	1.821	2.745	10.0	21.3
4 21	14 58.09	−18 45.8	1.774	2.752	6.0	21.1
5 1	14 48.14	−18 14.6	1.754	2.759	1.7	20.8
5 11	14 37.96	−17 38.3	1.762	2.765	3.0	20.9
5 21	14 28.60	−17 1.4	1.797	2.770	7.2	21.2
5 31	14 20.97	−16 28.9	1.859	2.775	11.0	21.4
6 10	14 15.64	−16 4.7	1.943	2.779	14.2	21.7

439597 2014 EC_{6} 5 4.0 159°.25 0°.2/ 3.8 18

4 1	15 7.71	−16 39.1	2.520	3.367	10.5	21.9
4 11	15 2.27	−16 20.7	2.445	3.372	7.6	21.7
4 21	14 55.32	−15 56.1	2.395	3.376	4.4	21.5
5 1	14 47.48	−15 27.2	2.373	3.379	1.0	21.3
5 11	14 39.47	−14 56.9	2.381	3.383	2.5	21.4
5 21	14 32.00	−14 28.2	2.417	3.386	5.8	21.6
5 31	14 25.72	−14 4.4	2.480	3.389	8.9	21.8
6 10	14 21.08	−13 47.8	2.566	3.391	11.5	22.0

233696 2008 SU_{33} 5 4.0 174°.58 1°.3/ 2.9 17

4 1	15 8.71	−13 57.1	2.315	3.168	11.0	21.5
4 11	15 3.08	−13 21.2	2.240	3.171	8.0	21.3
4 21	14 55.83	−12 39.8	2.191	3.173	4.6	21.1
5 1	14 47.60	−11 55.9	2.169	3.174	1.5	20.9
5 11	14 39.20	−11 13.2	2.177	3.175	3.3	21.0
5 21	14 31.39	−10 35.7	2.213	3.176	6.7	21.2
5 31	14 24.87	−10 6.6	2.275	3.176	9.9	21.4
6 10	14 20.12	− 9 48.3	2.360	3.175	12.7	21.6

53310 1999 HY_{9} 5 4.0 252°.28 1°.8/ 5.3 18

4 1	15 9.22	−21 45.0	2.218	3.056	12.0	18.8
4 11	15 3.71	−21 54.3	2.134	3.052	9.1	18.6
4 21	14 56.33	−21 54.0	2.074	3.047	5.7	18.4
5 1	14 47.74	−21 44.6	2.041	3.043	2.5	18.1
5 11	14 38.83	−21 27.7	2.037	3.039	2.9	18.2
5 21	14 30.49	−21 6.7	2.060	3.035	6.2	18.4
5 31	14 23.52	−20 45.2	2.109	3.030	9.6	18.6
6 10	14 18.52	−20 27.3	2.182	3.026	12.6	18.7

271713 2004 RU_{200} 5 4.0 257°.41 2°.5/ 5.9 18 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
4 1	15 10.66	−24 59.1	2.242	3.066	12.4	20.7
4 11	15 4.93	−24 51.1	2.135	3.043	9.6	20.5
4 21	14 57.15	−24 29.7	2.052	3.019	6.3	20.2
5 1	14 47.96	−23 55.0	1.996	2.995	3.2	20.0
5 11	14 38.28	−23 9.2	1.969	2.970	3.2	20.0
5 21	14 29.07	−22 16.4	1.970	2.944	6.6	20.1
5 31	14 21.24	−21 22.0	1.998	2.918	10.1	20.3
6 10	14 15.46	−20 31.7	2.049	2.891	13.4	20.4

305504 2008 ED_{109} 5 4.0 249°.06 4°.8/29.2 16

4 1	15 5.55	− 2 4.7	2.524	3.385	10.0	21.2
4 11	15 0.72	− 1 4.0	2.444	3.371	7.6	21.0
4 21	14 54.46	− 0 5.1	2.390	3.357	5.5	20.9
5 1	14 47.29	+ 0 47.5	2.364	3.343	4.8	20.8
5 11	14 39.90	+ 1 29.3	2.366	3.329	6.2	20.9
5 21	14 32.95	+ 1 57.1	2.394	3.314	8.6	21.0
5 31	14 27.06	+ 2 9.1	2.447	3.298	11.1	21.1
6 10	14 22.69	+ 2 5.2	2.522	3.283	13.4	21.3

181751 Phaenops 5 4.0 16°.61 0°.2/ 3.8 18

4 1	15 2.27	−15 16.5	3.907	4.751	7.1	19.7
4 11	14 57.92	−15 16.7	3.828	4.754	5.2	19.5
4 21	14 52.66	−15 14.0	3.775	4.756	3.0	19.4
5 1	14 46.85	−15 9.3	3.752	4.758	0.7	19.2
5 11	14 40.93	−15 4.1	3.758	4.761	1.7	19.3
5 21	14 35.30	−14 59.7	3.794	4.763	4.0	19.4
5 31	14 30.36	−14 57.5	3.859	4.766	6.0	19.6
6 10	14 26.43	−14 59.0	3.948	4.769	7.9	19.7

501482 2014 CO_2 5 4.0 120°.77 5°.1/29.8 18

4 1	15 6.89	− 1 37.4	2.244	3.106	11.0	21.0
4 11	15 1.72	− 0 49.0	2.183	3.111	8.3	20.8
4 21	14 55.02	− 0 4.3	2.148	3.116	6.0	20.7
5 1	14 47.41	+ 0 32.0	2.140	3.121	5.1	20.6
5 11	14 39.69	+ 0 56.0	2.160	3.126	6.5	20.7
5 21	14 32.57	+ 1 5.3	2.206	3.131	9.0	20.9
5 31	14 26.71	+ 0 58.8	2.276	3.135	11.5	21.1
6 10	14 22.55	+ 0 37.1	2.366	3.140	13.9	21.2

414463 2009 HL_{50} 5 4.0 285°.12 4°.8/ 1.1 17

4 1	15 9.56	− 6 59.9	1.484	2.362	14.7	20.8
4 11	15 4.47	− 6 7.6	1.416	2.357	10.9	20.6
4 21	14 56.96	− 5 14.0	1.371	2.352	7.0	20.4
5 1	14 47.91	− 4 25.5	1.351	2.347	4.8	20.2
5 11	14 38.52	− 3 48.7	1.356	2.343	6.9	20.3
5 21	14 29.99	− 3 28.4	1.386	2.338	10.9	20.5
5 31	14 23.33	− 3 27.5	1.438	2.333	14.9	20.8
6 10	14 19.20	− 3 46.2	1.509	2.329	18.4	21.0

482116 2010 NC_{67} 5 4.0 284°.59 4°.4/ 8.1 18

4 1	15 8.14	−32 31.3	2.481	3.273	12.3	21.2
4 11	15 3.03	−32 21.1	2.366	3.244	10.0	21.0
4 21	14 56.01	−31 53.7	2.273	3.215	7.4	20.8
5 1	14 47.70	−31 8.0	2.207	3.186	5.1	20.6
5 11	14 38.95	−30 5.8	2.168	3.156	4.6	20.5
5 21	14 30.67	−28 50.8	2.157	3.126	6.5	20.5
5 31	14 23.70	−27 28.9	2.174	3.096	9.3	20.7
6 10	14 18.65	−26 6.9	2.215	3.065	12.2	20.8

167953 2005 EC_{223} 5 4.0 173°.61 7°.8/26.5 18

4 1	15 7.03	+ 7 22.0	2.297	3.145	11.3	20.1
4 11	15 1.81	+ 8 35.5	2.243	3.147	9.4	20.0
4 21	14 55.06	+ 9 39.2	2.214	3.148	8.1	19.9
5 1	14 47.43	+10 27.4	2.211	3.149	8.0	19.9
5 11	14 39.68	+10 55.9	2.234	3.150	9.2	20.0
5 21	14 32.52	+11 2.6	2.281	3.150	11.1	20.1
5 31	14 26.61	+10 47.7	2.350	3.150	13.1	20.2
6 10	14 22.38	+10 13.3	2.438	3.150	15.0	20.4

435643 2008 SF_{210} 5 4.0 269°.18 5°.9/28.4 17

4 1	15 6.82	− 3 20.9	1.974	2.843	12.0	21.0
4 11	15 2.06	− 1 45.5	1.890	2.822	9.1	20.7
4 21	14 55.43	− 0 8.8	1.831	2.801	6.7	20.6
5 1	14 47.56	+ 1 21.9	1.800	2.779	6.0	20.5
5 11	14 39.33	+ 2 39.4	1.795	2.758	7.9	20.5
5 21	14 31.62	+ 3 37.7	1.817	2.735	11.0	20.7
5 31	14 25.27	+ 4 13.5	1.862	2.713	14.1	20.8
6 10	14 20.86	+ 4 26.2	1.925	2.690	16.9	21.0

355246 2007 EO_{168} 5 4.0 344°.76 2°.3/ 2.9 16

4 1	15 8.44	−13 17.4	1.080	1.971	17.8	21.0
4 11	15 4.43	−12 49.3	1.016	1.965	13.1	20.7
4 21	14 57.28	−12 12.5	0.972	1.960	7.6	20.3
5 1	14 48.03	−11 32.3	0.950	1.955	2.6	20.0
5 11	14 38.26	−10 55.7	0.950	1.952	5.5	20.2
5 21	14 29.58	−10 29.7	0.973	1.949	11.2	20.5
5 31	14 23.35	−10 19.7	1.016	1.947	16.5	20.8
6 10	14 20.38	−10 28.3	1.076	1.945	20.9	21.0

95550 2002 ET_{89} 5 4.0 10°.45 5°.4/28.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
4 1	15 3.42	− 4 3.7	2.019	2.893	11.5	18.9
4 11	14 59.38	− 2 29.5	1.959	2.895	8.6	18.8
4 21	14 53.73	− 0 55.9	1.924	2.896	6.2	18.6
5 1	14 47.13	+ 0 30.4	1.916	2.898	5.5	18.6
5 11	14 40.39	+ 1 42.7	1.935	2.901	7.2	18.7
5 21	14 34.28	+ 2 36.6	1.980	2.903	9.9	18.8
5 31	14 29.46	+ 3 9.5	2.049	2.906	12.7	19.0
6 10	14 26.40	+ 3 21.6	2.136	2.910	15.2	19.2

475685 2006 VG_{81} 5 4.0 261°.86 3°.2/ 1.6 18

4 1	15 8.22	− 6 35.0	2.389	3.248	10.5	21.0
4 11	15 2.79	− 6 12.4	2.301	3.233	7.8	20.8
4 21	14 55.74	− 5 50.0	2.239	3.217	4.9	20.6
5 1	14 47.63	− 5 31.1	2.205	3.202	3.2	20.5
5 11	14 39.21	− 5 18.7	2.200	3.186	4.7	20.5
5 21	14 31.25	− 5 15.4	2.222	3.170	7.6	20.7
5 31	14 24.45	− 5 23.0	2.270	3.154	10.6	20.8
6 10	14 19.34	− 5 42.2	2.340	3.138	13.3	21.0

89062 2001 TW_{134} 5 4.0 105°.19 1°.6/ 5.6 18

4 1	15 7.34	−24 6.3	2.340	3.171	11.7	19.8
4 11	15 2.08	−23 32.3	2.271	3.184	8.8	19.6
4 21	14 55.24	−22 45.7	2.226	3.197	5.5	19.4
5 1	14 47.48	−21 48.7	2.208	3.210	2.4	19.2
5 11	14 39.64	−20 45.2	2.219	3.222	2.6	19.2
5 21	14 32.48	−19 39.8	2.259	3.234	5.7	19.5
5 31	14 26.67	−18 37.7	2.326	3.246	8.9	19.7
6 10	14 22.64	−17 43.2	2.417	3.258	11.6	19.9

179452 2002 AE_{171} 5 4.0 127°.35 3°.8/ 7.7 18

4 1	15 8.60	−30 25.1	2.590	3.389	11.6	20.8
4 11	15 3.03	−30 27.8	2.513	3.398	9.2	20.7
4 21	14 55.82	−30 16.4	2.459	3.407	6.6	20.5
5 1	14 47.63	−29 50.8	2.432	3.415	4.4	20.4
5 11	14 39.27	−29 12.9	2.433	3.423	4.0	20.4
5 21	14 31.52	−28 26.1	2.463	3.431	5.8	20.5
5 31	14 25.08	−27 35.0	2.519	3.439	8.3	20.7
6 10	14 20.44	−26 44.5	2.600	3.447	10.7	20.8

33674 1999 JT_{100} 5 4.0 102°.67 6°.8/28.8 18

4 1	15 8.55	+ 0 4.7	1.821	2.688	12.9	17.8
4 11	15 3.15	+ 1 18.5	1.772	2.699	10.0	17.6
4 21	14 55.92	+ 2 26.3	1.746	2.710	7.5	17.5
5 1	14 47.65	+ 3 21.6	1.747	2.721	6.8	17.5
5 11	14 39.29	+ 3 58.8	1.774	2.731	8.4	17.6
5 21	14 31.75	+ 4 14.9	1.826	2.742	11.1	17.8
5 31	14 25.77	+ 4 9.5	1.901	2.752	13.8	18.0
6 10	14 21.84	+ 3 44.2	1.994	2.762	16.3	18.2

102388 1999 TG_{155} 5 4.0 109°.56 3°.7/ 1.2 18

4 1	15 10.47	− 9 35.4	1.722	2.590	13.5	19.8
4 11	15 4.60	− 8 24.2	1.670	2.607	9.8	19.6
4 21	14 56.77	− 7 9.9	1.643	2.624	6.0	19.4
5 1	14 47.84	− 5 58.7	1.642	2.641	3.7	19.3
5 11	14 38.88	− 4 57.1	1.669	2.657	5.7	19.5
5 21	14 30.85	− 4 10.1	1.723	2.673	9.3	19.7
5 31	14 24.54	− 3 41.0	1.800	2.688	12.8	20.0
6 10	14 20.45	− 3 30.2	1.898	2.702	15.7	20.2

176562 2002 AW_{146} 5 4.0 349°.81 6°.7/29.4 17

4 1	15 5.30	− 0 3.0	1.734	2.609	13.0	19.3
4 11	15 1.05	+ 0 47.2	1.670	2.603	10.1	19.1
4 21	14 54.84	+ 1 31.4	1.629	2.597	7.6	19.0
5 1	14 47.43	+ 2 3.6	1.613	2.592	6.7	18.9
5 11	14 39.77	+ 2 18.7	1.622	2.588	8.3	19.0
5 21	14 32.79	+ 2 13.9	1.656	2.584	11.2	19.1
5 31	14 27.34	+ 1 48.5	1.711	2.582	14.2	19.3
6 10	14 23.96	+ 1 4.3	1.785	2.580	16.9	19.5

175555 2006 SZ_{331} 5 4.0 102°.76 1°.9/ 5.3 17

4 1	15 9.79	−21 40.3	2.270	3.105	11.9	20.6
4 11	15 4.04	−21 55.5	2.193	3.109	8.9	20.4
4 21	14 56.50	−22 1.6	2.140	3.112	5.6	20.2
5 1	14 47.81	−21 58.7	2.114	3.116	2.5	20.0
5 11	14 38.86	−21 48.7	2.117	3.119	2.8	20.0
5 21	14 30.51	−21 34.2	2.149	3.123	6.1	20.2
5 31	14 23.54	−21 18.8	2.206	3.126	9.3	20.4
6 10	14 18.49	−21 6.3	2.287	3.130	12.1	20.6

90919 1997 PA_5 5 4.0 170°.26 2°.3/ 5.6 18

4 1	15 13.91	−23 53.6	1.862	2.695	14.2	19.9
4 11	15 7.37	−23 44.4	1.786	2.699	10.8	19.7
4 21	14 58.55	−23 20.8	1.732	2.703	6.9	19.5
5 1	14 48.31	−22 43.5	1.705	2.706	3.1	19.2
5 11	14 37.78	−21 55.7	1.706	2.708	3.4	19.3
5 21	14 28.09	−21 2.8	1.735	2.710	7.2	19.5
5 31	14 20.21	−20 11.1	1.789	2.710	11.0	19.7
6 10	14 14.77	−19 26.2	1.866	2.710	14.4	19.9

2600 Lumme 5 4.0 279°.70 4°.9/30.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
4 1	15 7.59	− 2 29.6	2.154	3.017	11.3	16.4
4 11	15 2.42	− 1 53.5	2.078	3.008	8.6	16.2
4 21	14 55.55	− 1 20.5	2.028	2.999	6.0	16.0
5 1	14 47.60	− 0 55.0	2.004	2.990	4.9	15.9
5 11	14 39.39	− 0 41.0	2.007	2.980	6.3	16.0
5 21	14 31.73	− 0 40.9	2.037	2.971	9.1	16.1
5 31	14 25.36	− 0 56.0	2.091	2.962	12.0	16.3
6 10	14 20.80	− 1 26.0	2.166	2.952	14.6	16.4

159610 2002 AJ_{13} 5 4.0 75°.14 2°.4/ 2.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 11.41	−11 20.0	1.737	2.601	13.5	19.4
4 11	15 5.21	−10 46.3	1.693	2.628	9.7	19.2
4 21	14 57.08	−10 9.3	1.672	2.656	5.7	19.0
5 1	14 47.92	− 9 33.1	1.679	2.682	2.5	18.8
5 11	14 38.79	− 9 2.3	1.713	2.709	4.4	19.0
5 21	14 30.65	− 8 40.5	1.774	2.735	8.2	19.3
5 31	14 24.27	− 8 30.5	1.859	2.761	11.7	19.6
6 10	14 20.11	− 8 33.4	1.965	2.787	14.6	19.8

265722 2005 UX_{383} 5 4.0 83°.62 7°.0/28.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 8.48	− 0 15.9	1.721	2.591	13.4	19.8
4 11	15 3.16	+ 1 2.2	1.676	2.606	10.3	19.7
4 21	14 55.94	+ 2 14.3	1.655	2.620	7.7	19.5
5 1	14 47.66	+ 3 13.2	1.659	2.633	7.0	19.5
5 11	14 39.33	+ 3 53.0	1.689	2.647	8.6	19.6
5 21	14 31.88	+ 4 10.8	1.744	2.661	11.4	19.8
5 31	14 26.06	+ 4 6.0	1.820	2.675	14.2	20.0
6 10	14 22.36	+ 3 40.6	1.916	2.688	16.7	20.3

45913 2000 YV_{67} 5 4.0 73°.87 4°.2/ 6.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 12.68	−27 38.7	1.465	2.302	17.1	18.9
4 11	15 6.85	−27 39.8	1.408	2.319	13.3	18.7
4 21	14 58.34	−27 20.6	1.371	2.336	9.0	18.5
5 1	14 48.25	−26 41.2	1.359	2.353	5.2	18.4
5 11	14 38.01	−25 45.7	1.372	2.371	4.7	18.4
5 21	14 28.97	−24 41.1	1.410	2.388	8.2	18.6
5 31	14 22.19	−23 36.2	1.472	2.405	12.2	18.9
6 10	14 18.28	−22 38.4	1.556	2.422	15.7	19.1

182192 2000 UE_{14} 5 4.0 200°.39 2°.5/ 6.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 8.11	−26 16.0	2.869	3.682	10.3	21.6
4 11	15 2.57	−26 16.4	2.779	3.678	7.9	21.4
4 21	14 55.55	−26 6.2	2.714	3.674	5.4	21.2
5 1	14 47.60	−25 45.5	2.676	3.670	3.1	21.1
5 11	14 39.41	−25 16.1	2.667	3.665	2.9	21.1
5 21	14 31.68	−24 40.6	2.688	3.660	5.2	21.2
5 31	14 25.06	−24 2.8	2.736	3.654	7.8	21.4
6 10	14 20.01	−23 26.5	2.809	3.648	10.2	21.5

477189 2009 GJ 5 4.0 276°.76 6°.2/ 9.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 8.77	−37 10.7	2.404	3.173	13.3	21.3
4 11	15 3.57	−37 23.7	2.307	3.162	11.1	21.1
4 21	14 56.35	−37 18.0	2.232	3.150	8.9	20.9
5 1	14 47.81	−36 51.5	2.181	3.138	6.9	20.8
5 11	14 38.89	−36 5.1	2.156	3.126	6.2	20.7
5 21	14 30.58	−35 2.2	2.158	3.113	7.4	20.8
5 31	14 23.74	−33 48.6	2.186	3.101	9.6	20.9
6 10	14 19.02	−32 31.3	2.237	3.089	12.1	21.0

210044 2006 OH_{21} 5 4.0 249°.91 0°.5/ 4.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 7.43	−18 59.1	2.261	3.108	11.5	21.1
4 11	15 2.34	−18 43.8	2.176	3.102	8.5	20.9
4 21	14 55.52	−18 19.8	2.116	3.095	5.1	20.7
5 1	14 47.61	−17 48.8	2.083	3.089	1.4	20.4
5 11	14 39.42	−17 13.9	2.079	3.082	2.6	20.5
5 21	14 31.77	−16 38.7	2.102	3.076	6.2	20.7
5 31	14 25.42	−16 7.3	2.152	3.069	9.6	20.9
6 10	14 20.90	−15 43.1	2.225	3.062	12.6	21.1

323855 2005 SP_{116} 5 4.0 150°.23 5°.8/29.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 12.50	−12 35.5	1.177	2.059	17.4	20.3
4 11	15 6.88	− 9 43.5	1.121	2.066	12.6	20.1
4 21	14 58.41	− 6 36.2	1.088	2.072	7.8	19.8
5 1	14 48.28	− 3 29.4	1.081	2.077	5.9	19.7
5 11	14 38.03	− 0 40.6	1.102	2.082	9.1	19.9
5 21	14 29.08	+ 1 35.9	1.147	2.087	13.9	20.2
5 31	14 22.54	+ 3 13.1	1.213	2.090	18.3	20.5
6 10	14 19.00	+ 4 10.8	1.295	2.093	22.0	20.7

437799 2015 CM_{56} 5 4.0 107°.19 6°.1/ 8.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 13.15	−32 53.5	1.981	2.777	14.8	20.9
4 11	15 6.96	−33 31.6	1.907	2.784	12.1	20.8
4 21	14 58.40	−33 51.6	1.854	2.791	9.2	20.6
5 1	14 48.30	−33 51.0	1.826	2.798	6.8	20.4
5 11	14 37.84	−33 30.5	1.825	2.805	6.2	20.4
5 21	14 28.18	−32 53.8	1.849	2.811	7.9	20.5
5 31	14 20.37	−32 6.8	1.899	2.818	10.7	20.7
6 10	14 15.06	−31 17.0	1.972	2.824	13.4	20.9

202965 1999 TK_{28} 5 4.0 230°.06 0°.5/ 4.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
4 1	15 3.11	−19 51.1	3.928	4.759	7.4	21.8
4 11	14 58.59	−19 35.0	3.831	4.748	5.4	21.6
4 21	14 53.11	−19 13.3	3.760	4.736	3.3	21.5
5 1	14 47.02	−18 47.1	3.719	4.723	1.0	21.3
5 11	14 40.78	−18 18.0	3.707	4.711	1.6	21.3
5 21	14 34.83	−17 48.1	3.726	4.698	3.9	21.5
5 31	14 29.57	−17 19.7	3.773	4.684	6.1	21.6
6 10	14 25.35	−16 54.7	3.846	4.671	8.0	21.7

507807 2014 DF_5 5 4.0 326°.86 4°.8/ 7.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 8.07	−30 55.9	2.038	2.849	13.9	20.9
4 11	15 3.17	−31 2.3	1.953	2.845	11.2	20.7
4 21	14 56.15	−30 51.0	1.891	2.841	8.1	20.5
5 1	14 47.78	−30 21.4	1.853	2.837	5.5	20.3
5 11	14 39.08	−29 35.3	1.842	2.833	4.9	20.3
5 21	14 31.06	−28 37.2	1.858	2.829	7.1	20.4
5 31	14 24.65	−27 33.4	1.899	2.826	10.2	20.6
6 10	14 20.45	−26 30.7	1.963	2.823	13.2	20.8

241437 2008 WU_{138} 5 4.0 264°.67 0°.5/ 4.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 7.82	−19 32.0	1.982	2.833	12.7	20.8
4 11	15 2.85	−19 6.7	1.898	2.826	9.4	20.6
4 21	14 55.92	−18 30.5	1.838	2.818	5.6	20.3
5 1	14 47.73	−17 45.6	1.804	2.810	1.6	20.0
5 11	14 39.22	−16 55.9	1.799	2.802	2.8	20.1
5 21	14 31.34	−16 6.5	1.820	2.794	7.0	20.3
5 31	14 24.94	−15 22.3	1.867	2.787	10.7	20.6
6 10	14 20.61	−14 47.7	1.936	2.779	14.0	20.8

115906 2003 WB_1 5 4.0 318°.48 1°.2/ 3.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 10.36	−13 52.5	1.347	2.224	16.0	19.2
4 11	15 5.49	−13 45.7	1.272	2.213	11.8	19.0
4 21	14 57.81	−13 32.3	1.218	2.203	6.9	18.7
5 1	14 48.22	−13 15.1	1.188	2.194	1.8	18.3
5 11	14 38.06	−12 58.4	1.182	2.185	4.4	18.4
5 21	14 28.74	−12 47.1	1.202	2.176	9.7	18.7
5 31	14 21.52	−12 45.5	1.243	2.168	14.5	19.0
6 10	14 17.20	−12 56.7	1.304	2.160	18.7	19.2

138648 2000 RL_{39} 5 4.0 244°.63 1°.2/ 5.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 6.58	−22 31.9	2.443	3.279	11.1	20.1
4 11	15 1.65	−22 2.3	2.352	3.269	8.4	19.9
4 21	14 55.09	−21 21.2	2.285	3.259	5.2	19.7
5 1	14 47.52	−20 30.3	2.246	3.249	2.0	19.5
5 11	14 39.70	−19 33.0	2.235	3.238	2.4	19.5
5 21	14 32.40	−18 33.5	2.253	3.228	5.8	19.7
5 31	14 26.30	−17 36.7	2.298	3.217	9.0	19.9
6 10	14 21.93	−16 46.8	2.367	3.206	11.9	20.0

417836 2007 GP_{41} 5 4.0 57°.49 1°.2/ 4.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 12.45	−18 53.0	1.579	2.436	15.1	21.2
4 11	15 6.45	−19 7.9	1.522	2.451	11.2	21.0
4 21	14 58.06	−19 13.0	1.487	2.466	6.7	20.7
5 1	14 48.22	−19 9.0	1.477	2.482	2.2	20.5
5 11	14 38.19	−18 58.8	1.494	2.498	3.3	20.6
5 21	14 29.16	−18 46.1	1.537	2.514	7.7	20.9
5 31	14 22.12	−18 35.6	1.604	2.530	11.8	21.2
6 10	14 17.66	−18 31.1	1.693	2.546	15.2	21.4

117366 2004 XK_{107} 5 4.0 204°.34 0°.2/ 3.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 13.47	−16 36.0	1.848	2.699	13.5	20.3
4 11	15 7.09	−16 21.7	1.766	2.694	9.9	20.0
4 21	14 58.45	−15 59.0	1.708	2.689	5.8	19.8
5 1	14 48.34	−15 30.0	1.677	2.683	1.3	19.5
5 11	14 37.85	−14 58.3	1.674	2.676	3.3	19.6
5 21	14 28.07	−14 28.1	1.698	2.669	7.7	19.8
5 31	14 19.98	−14 4.2	1.748	2.661	11.8	20.1
6 10	14 14.24	−13 50.1	1.820	2.652	15.2	20.3

31227 1998 BC_{41} 5 4.0 319°.60 8°.6/ 9.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 9.39	−37 17.2	1.610	2.406	17.7	16.1
4 11	15 4.96	−37 50.4	1.522	2.393	15.0	15.8
4 21	14 57.60	−37 58.4	1.453	2.380	12.0	15.6
5 1	14 48.19	−37 37.0	1.406	2.367	9.5	15.4
5 11	14 38.12	−36 45.9	1.382	2.355	8.6	15.3
5 21	14 28.91	−35 29.9	1.381	2.343	10.0	15.4
5 31	14 21.88	−33 58.1	1.404	2.332	13.0	15.5
6 10	14 17.90	−32 21.8	1.448	2.322	16.2	15.7

333424 2003 MX_3 5 4.0 355°.30 18°.5/14.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 4.29	+24 39.0	1.340	2.164	19.1	19.1
4 11	15 0.84	+27 2.5	1.315	2.158	18.5	19.0
4 21	14 54.90	+28 51.9	1.308	2.154	18.6	19.0
5 1	14 47.49	+29 56.1	1.318	2.151	19.4	19.0
5 11	14 39.89	+30 9.9	1.344	2.149	20.7	19.1
5 21	14 33.32	+29 34.1	1.384	2.148	22.2	19.2
5 31	14 28.76	+28 14.2	1.436	2.149	23.7	19.4
6 10	14 26.78	+26 18.6	1.499	2.151	25.0	19.5

198394 2004 VF_{44} 5 4.0 195°.51 1°.3/ 3.0 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
4 1	15 8.59	−14 10.5	2.097	2.955	11.8	21.1
4 11	15 3.21	−13 36.0	2.021	2.953	8.6	20.9
4 21	14 56.04	−12 55.3	1.969	2.952	5.0	20.6
5 1	14 47.76	−12 11.5	1.944	2.950	1.5	20.4
5 11	14 39.24	−11 28.9	1.948	2.947	3.5	20.5
5 21	14 31.35	−10 51.5	1.979	2.944	7.2	20.8
5 31	14 24.85	−10 23.3	2.036	2.941	10.7	21.0
6 10	14 20.28	−10 6.6	2.115	2.938	13.7	21.2

276594 2003 SU_{387} 5 4.0 277°.73 2°.5/ 2.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 7.57	−11 10.8	1.900	2.767	12.4	21.1
4 11	15 2.69	−10 30.1	1.820	2.757	9.1	20.9
4 21	14 55.84	− 9 44.6	1.763	2.747	5.4	20.7
5 1	14 47.74	− 8 58.6	1.733	2.736	2.6	20.5
5 11	14 39.31	− 8 16.9	1.731	2.726	4.6	20.6
5 21	14 31.49	− 7 44.1	1.755	2.715	8.4	20.8
5 31	14 25.13	− 7 23.8	1.804	2.705	12.1	21.0
6 10	14 20.83	− 7 18.0	1.873	2.695	15.3	21.2

346781 2009 BW_{122} 5 4.0 125°.00 2°.9/ 1.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 6.68	− 9 14.3	2.145	3.010	11.3	21.5
4 11	15 1.72	− 8 28.9	2.077	3.013	8.2	21.4
4 21	14 55.12	− 7 41.2	2.035	3.016	5.0	21.2
5 1	14 47.54	− 6 55.3	2.019	3.019	2.9	21.0
5 11	14 39.80	− 6 15.7	2.031	3.021	4.7	21.1
5 21	14 32.67	− 5 46.0	2.071	3.024	7.8	21.3
5 31	14 26.85	− 5 28.8	2.135	3.026	10.9	21.5
6 10	14 22.82	− 5 25.4	2.221	3.028	13.6	21.7

383996 2008 TL_{180} 5 4.0 153°.80 1°.3/ 3.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 11.69	−12 19.2	2.232	3.084	11.4	21.0
4 11	15 5.33	−12 15.6	2.160	3.090	8.3	20.8
4 21	14 57.22	−12 8.8	2.114	3.095	4.8	20.6
5 1	14 48.04	−12 0.8	2.095	3.101	1.5	20.4
5 11	14 38.65	−11 54.2	2.106	3.105	3.3	20.5
5 21	14 29.91	−11 51.4	2.145	3.110	6.8	20.7
5 31	14 22.55	−11 54.6	2.211	3.114	10.1	20.9
6 10	14 17.08	−12 5.6	2.300	3.118	12.9	21.1

83444 2001 SA_{58} 5 4.0 283°.43 2°.8/ 1.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 5.38	−11 4.7	2.090	2.957	11.5	19.6
4 11	15 0.92	−10 0.8	2.008	2.945	8.4	19.3
4 21	14 54.74	− 8 51.4	1.951	2.934	5.0	19.1
5 1	14 47.47	− 7 41.2	1.921	2.922	2.8	18.9
5 11	14 39.94	− 6 35.9	1.920	2.911	4.7	19.0
5 21	14 32.96	− 5 40.6	1.945	2.899	8.2	19.2
5 31	14 27.28	− 4 59.3	1.996	2.888	11.5	19.4
6 10	14 23.41	− 4 34.2	2.067	2.876	14.4	19.6

497476 2005 YO_{210} 5 4.0 198°.06 0°.0/ 3.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 10.94	−16 57.5	2.504	3.344	10.7	22.5
4 11	15 4.74	−16 42.3	2.417	3.340	7.9	22.3
4 21	14 56.88	−16 20.4	2.356	3.335	4.6	22.1
5 1	14 47.97	−15 53.4	2.323	3.330	1.1	21.8
5 11	14 38.81	−15 24.0	2.321	3.323	2.5	21.9
5 21	14 30.17	−14 55.5	2.348	3.316	6.0	22.1
5 31	14 22.77	−14 31.2	2.402	3.308	9.2	22.3
6 10	14 17.10	−14 13.9	2.480	3.300	12.0	22.5

437704 2014 DD_{62} 5 4.0 196°.05 4°.5/29.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 5.61	− 3 30.4	2.398	3.262	10.3	21.0
4 11	15 0.80	− 2 33.4	2.330	3.261	7.8	20.9
4 21	14 54.54	− 1 37.9	2.288	3.259	5.4	20.7
5 1	14 47.41	− 0 48.6	2.273	3.258	4.5	20.6
5 11	14 40.13	− 0 9.7	2.287	3.257	5.9	20.7
5 21	14 33.38	+ 0 15.8	2.327	3.255	8.4	20.9
5 31	14 27.76	+ 0 26.0	2.392	3.253	11.0	21.0
6 10	14 23.73	+ 0 21.0	2.477	3.252	13.3	21.2

268388 2005 UK_{102} 5 4.0 221°.98 2°.1/ 2.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 8.89	−12 42.1	1.920	2.783	12.5	21.4
4 11	15 3.60	−11 57.0	1.842	2.777	9.1	21.2
4 21	14 56.36	−11 5.7	1.788	2.772	5.3	20.9
5 1	14 47.87	−10 12.4	1.761	2.766	2.2	20.7
5 11	14 39.10	− 9 22.0	1.762	2.759	4.3	20.8
5 21	14 30.99	− 8 39.5	1.791	2.752	8.1	21.0
5 31	14 24.38	− 8 9.1	1.844	2.745	11.8	21.2
6 10	14 19.85	− 7 53.0	1.918	2.738	15.0	21.4

474861 2005 SW_{129} 5 4.0 279°.56 0°.1/ 3.9 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 6.87	−16 58.2	2.315	3.166	11.1	21.5
4 11	15 1.98	−16 39.5	2.221	3.150	8.2	21.3
4 21	14 55.38	−16 13.5	2.152	3.133	4.8	21.1
5 1	14 47.65	−15 42.1	2.109	3.116	1.1	20.8
5 11	14 39.58	−15 8.3	2.096	3.099	2.7	20.8
5 21	14 31.96	−14 35.8	2.110	3.082	6.4	21.1
5 31	14 25.56	−14 8.2	2.151	3.064	9.8	21.2
6 10	14 20.92	−13 48.8	2.214	3.047	12.8	21.4

222662 2001 XR_{221} 5 4.0 329°.97 1°.4/ 3.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
4 1	15 10.41	−11 59.4	1.296	2.176	16.2	18.7
4 11	15 5.78	−12 19.7	1.214	2.157	12.0	18.4
4 21	14 58.16	−12 38.1	1.154	2.140	7.1	18.1
5 1	14 48.39	−12 56.5	1.117	2.123	2.0	17.7
5 11	14 37.82	−13 17.4	1.104	2.107	4.5	17.8
5 21	14 27.97	−13 43.2	1.116	2.092	10.0	18.1
5 31	14 20.24	−14 16.5	1.149	2.078	15.1	18.3
6 10	14 15.56	−14 59.3	1.201	2.066	19.5	18.6

201721 2003 UP_{189} 5 4.0 283°.39 1°.2/ 4.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 7.41	−21 43.2	1.916	2.763	13.2	20.2
4 11	15 2.68	−21 14.1	1.829	2.753	9.9	20.0
4 21	14 55.89	−20 31.6	1.765	2.742	6.1	19.7
5 1	14 47.78	−19 37.6	1.727	2.732	2.1	19.4
5 11	14 39.32	−18 36.4	1.717	2.721	2.9	19.4
5 21	14 31.50	−17 33.5	1.734	2.711	7.0	19.7
5 31	14 25.22	−16 35.1	1.777	2.700	11.0	19.9
6 10	14 21.08	−15 46.4	1.841	2.690	14.4	20.1

156328 2001 XP_{108} 5 4.0 213°.69 1°.2/ 3.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 9.77	−14 12.2	2.280	3.131	11.2	20.6
4 11	15 4.02	−13 39.1	2.194	3.124	8.2	20.4
4 21	14 56.52	−12 59.9	2.133	3.115	4.8	20.1
5 1	14 47.92	−12 17.4	2.100	3.106	1.4	19.9
5 11	14 39.03	−11 35.5	2.097	3.096	3.3	20.0
5 21	14 30.69	−10 57.9	2.122	3.086	6.9	20.2
5 31	14 23.64	−10 28.6	2.173	3.074	10.3	20.4
6 10	14 18.42	−10 9.9	2.247	3.063	13.2	20.6

504521 2008 RC_{52} 5 4.0 214°.32 0°.9/ 3.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 8.66	−15 17.0	2.588	3.434	10.2	22.7
4 11	15 3.03	−14 38.1	2.497	3.425	7.5	22.5
4 21	14 55.88	−13 52.5	2.433	3.415	4.3	22.3
5 1	14 47.76	−13 3.0	2.398	3.404	1.2	22.0
5 11	14 39.40	−12 13.1	2.392	3.392	2.9	22.1
5 21	14 31.51	−11 26.8	2.416	3.380	6.2	22.3
5 31	14 24.76	−10 47.5	2.467	3.367	9.3	22.5
6 10	14 19.63	−10 18.1	2.541	3.353	12.0	22.7

371688 2007 DQ_{56} 5 4.0 146°.24 2°.4/ 2.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 9.36	−11 33.7	1.869	2.734	12.7	22.0
4 11	15 3.88	−10 49.3	1.802	2.738	9.2	21.8
4 21	14 56.47	−10 0.3	1.760	2.743	5.4	21.6
5 1	14 47.89	− 9 10.9	1.744	2.747	2.5	21.4
5 11	14 39.13	− 8 26.3	1.757	2.752	4.5	21.5
5 21	14 31.12	− 7 51.0	1.796	2.755	8.3	21.7
5 31	14 24.67	− 7 28.4	1.859	2.759	11.8	22.0
6 10	14 20.32	− 7 20.2	1.944	2.762	14.9	22.2

299258 2005 NK_{36} 5 4.0 266°.52 5°.7/28.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 5.87	− 0 4.8	2.283	3.145	10.8	21.3
4 11	15 1.12	+ 0 56.4	2.209	3.134	8.4	21.1
4 21	14 54.80	+ 1 54.0	2.160	3.123	6.3	20.9
5 1	14 47.51	+ 2 42.5	2.139	3.112	5.8	20.9
5 11	14 39.98	+ 3 17.5	2.144	3.101	7.2	20.9
5 21	14 32.96	+ 3 35.8	2.176	3.090	9.6	21.1
5 31	14 27.12	+ 3 36.1	2.231	3.079	12.2	21.2
6 10	14 22.95	+ 3 18.9	2.306	3.067	14.5	21.4

114569 2003 BW_{63} 5 4.0 82°.98 7°.8/ 8.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 15.55	−35 25.7	1.752	2.541	16.7	18.5
4 11	15 9.11	−36 23.0	1.683	2.551	13.9	18.4
4 21	14 59.85	−36 58.9	1.635	2.561	11.0	18.2
5 1	14 48.74	−37 9.5	1.610	2.571	8.6	18.1
5 11	14 37.18	−36 54.3	1.611	2.581	7.9	18.1
5 21	14 26.60	−36 17.3	1.636	2.591	9.4	18.2
5 31	14 18.22	−35 25.8	1.686	2.601	12.0	18.3
6 10	14 12.79	−34 28.9	1.757	2.610	14.7	18.5

523553 2017 XH_{3} 5 4.0 138°.61 1°.5/ 5.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 6.48	−24 12.3	2.779	3.603	10.2	21.6
4 11	15 1.31	−23 37.7	2.702	3.612	7.7	21.4
4 21	14 54.78	−22 52.1	2.651	3.621	4.9	21.2
5 1	14 47.48	−21 57.3	2.628	3.629	2.1	21.0
5 11	14 40.09	−20 56.6	2.635	3.638	2.3	21.1
5 21	14 33.25	−19 54.0	2.671	3.646	5.0	21.3
5 31	14 27.53	−18 53.6	2.735	3.653	7.8	21.5
6 10	14 23.34	−17 59.3	2.824	3.660	10.3	21.6

383258 2006 CC_{60} 5 4.0 112°.52 15°.9/11.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 27.41	−45 15.8	1.247	2.002	23.9	20.7
4 11	15 20.01	−47 35.3	1.189	2.011	21.3	20.5
4 21	15 7.35	−49 22.4	1.147	2.021	18.8	20.4
5 1	14 50.68	−50 23.4	1.123	2.030	16.8	20.3
5 11	14 32.63	−50 31.0	1.119	2.039	15.9	20.3
5 21	14 16.25	−49 48.2	1.135	2.047	16.6	20.3
5 31	14 4.08	−48 28.4	1.170	2.055	18.3	20.5
6 10	13 57.31	−46 49.7	1.222	2.063	20.6	20.6

66886 1999 VJ_{72} 5 4.0 190°.69 2°.0/ 6.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
4 1	15 9.26	−25 4.4	2.741	3.558	10.6	19.9
4 11	15 3.44	−24 46.9	2.652	3.556	8.1	19.7
4 21	14 56.10	−24 18.1	2.588	3.554	5.3	19.6
5 1	14 47.81	−23 38.8	2.553	3.551	2.6	19.4
5 11	14 39.32	−22 51.4	2.547	3.547	2.6	19.4
5 21	14 31.36	−21 59.7	2.570	3.543	5.3	19.5
5 31	14 24.57	−21 7.8	2.621	3.538	8.2	19.7
6 10	14 19.42	−20 19.9	2.697	3.532	10.7	19.9

211917 2004 TG_{8} 5 4.0 168°.50 0°.1/ 3.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 13.40	−17 19.9	1.894	2.742	13.3	21.8
4 11	15 6.89	−16 56.8	1.820	2.747	9.8	21.5
4 21	14 58.27	−16 24.5	1.771	2.752	5.7	21.3
5 1	14 48.34	−15 45.6	1.749	2.755	1.3	21.0
5 11	14 38.16	−15 4.0	1.755	2.758	3.1	21.1
5 21	14 28.79	−14 24.4	1.790	2.760	7.4	21.4
5 31	14 21.10	−13 51.7	1.850	2.761	11.3	21.6
6 10	14 15.70	−13 29.3	1.932	2.762	14.5	21.9

388349 2006 TF_{109} 5 4.0 103°.01 0°.8/ 3.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 9.37	−13 34.5	2.313	3.166	11.1	21.0
4 11	15 3.61	−13 32.6	2.244	3.174	8.0	20.8
4 21	14 56.22	−13 27.0	2.200	3.181	4.6	20.6
5 1	14 47.84	−13 19.3	2.183	3.189	1.2	20.4
5 11	14 39.29	−13 12.0	2.195	3.196	2.9	20.5
5 21	14 31.34	−13 7.5	2.236	3.204	6.4	20.8
5 31	14 24.68	−13 8.0	2.303	3.211	9.5	21.0
6 10	14 19.81	−13 15.5	2.393	3.218	12.2	21.2

172377 2002 YT_{34} 5 4.0 257°.57 1°.4/ 5.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 7.93	−22 41.6	2.408	3.241	11.3	20.3
4 11	15 2.76	−22 17.9	2.307	3.222	8.6	20.0
4 21	14 55.84	−21 42.5	2.230	3.203	5.4	19.8
5 1	14 47.78	−20 56.7	2.181	3.183	2.1	19.6
5 11	14 39.37	−20 3.3	2.160	3.163	2.6	19.6
5 21	14 31.42	−19 6.6	2.168	3.143	6.0	19.7
5 31	14 24.70	−18 11.6	2.204	3.122	9.4	19.9
6 10	14 19.78	−17 22.8	2.262	3.101	12.4	20.1

110671 2001 TP_{194} 5 4.0 153°.01 2°.7/ 5.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 12.10	−24 31.2	2.003	2.833	13.4	19.7
4 11	15 5.99	−24 38.2	1.928	2.838	10.3	19.5
4 21	14 57.77	−24 32.3	1.875	2.843	6.7	19.3
5 1	14 48.23	−24 13.4	1.849	2.847	3.4	19.1
5 11	14 38.41	−23 43.8	1.851	2.852	3.5	19.1
5 21	14 29.33	−23 7.6	1.881	2.855	6.8	19.4
5 31	14 21.90	−22 30.0	1.936	2.859	10.3	19.6
6 10	14 16.71	−21 56.2	2.015	2.862	13.4	19.8

176410 2001 UO_{212} 5 4.0 187°.39 0°.5/ 3.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 7.73	−15 29.7	2.510	3.359	10.4	21.8
4 11	15 2.37	−15 11.9	2.431	3.359	7.6	21.6
4 21	14 55.49	−14 48.6	2.376	3.358	4.4	21.4
5 1	14 47.68	−14 21.8	2.351	3.357	1.0	21.1
5 11	14 39.66	−13 54.3	2.354	3.356	2.6	21.3
5 21	14 32.15	−13 29.1	2.386	3.354	6.0	21.5
5 31	14 25.82	−13 9.3	2.444	3.352	9.0	21.7
6 10	14 21.11	−12 57.2	2.526	3.350	11.7	21.9

41066 1999 VO_{31} 5 4.0 269°.30 1°.1/ 5.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 7.91	−22 37.4	2.021	2.862	12.9	19.6
4 11	15 3.01	−21 54.5	1.923	2.844	9.7	19.3
4 21	14 56.09	−20 56.5	1.850	2.826	6.0	19.1
5 1	14 47.85	−19 45.5	1.803	2.807	2.1	18.8
5 11	14 39.22	−18 26.1	1.784	2.788	2.8	18.8
5 21	14 31.18	−17 4.5	1.793	2.769	7.0	19.0
5 31	14 24.60	−15 47.5	1.829	2.749	10.9	19.2
6 10	14 20.10	−14 41.1	1.887	2.730	14.3	19.4

233975 1994 RC_{7} 5 4.0 146°.86 2°.4/ 5.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 10.11	−23 33.0	1.991	2.827	13.2	20.7
4 11	15 4.55	−23 35.2	1.914	2.829	10.1	20.5
4 21	14 56.94	−23 25.0	1.860	2.831	6.5	20.3
5 1	14 48.04	−23 2.8	1.833	2.833	3.1	20.1
5 11	14 38.85	−22 31.3	1.833	2.835	3.2	20.1
5 21	14 30.36	−21 54.4	1.860	2.836	6.7	20.3
5 31	14 23.46	−21 17.3	1.914	2.838	10.3	20.5
6 10	14 18.74	−20 44.9	1.989	2.839	13.4	20.7

489985 2008 ST_{127} 5 4.0 167°.55 2°.3/ 5.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 11.10	−24 17.4	2.497	3.317	11.4	22.9
4 11	15 4.91	−24 22.1	2.416	3.322	8.7	22.7
4 21	14 57.00	−24 16.1	2.360	3.326	5.7	22.5
5 1	14 48.04	−23 59.6	2.331	3.329	2.9	22.3
5 11	14 38.85	−23 34.5	2.332	3.332	2.9	22.4
5 21	14 30.24	−23 4.0	2.362	3.334	5.7	22.5
5 31	14 22.94	−22 31.9	2.419	3.336	8.7	22.7
6 10	14 17.47	−22 2.4	2.500	3.338	11.4	22.9

341857 2008 FV_{100} 5 4.0 256°.96 1°.7/ 1.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
4 1	14 59.99	− 7 43.8	4.434	5.288	6.1	21.0
4 11	14 56.24	− 7 21.5	4.353	5.283	4.5	20.9
4 21	14 51.73	− 6 58.9	4.300	5.279	2.8	20.8
5 1	14 46.78	− 6 37.8	4.276	5.274	1.7	20.7
5 11	14 41.73	− 6 19.9	4.282	5.269	2.6	20.7
5 21	14 36.92	− 6 6.5	4.317	5.264	4.3	20.9
5 31	14 32.67	− 5 58.9	4.380	5.259	6.0	21.0
6 10	14 29.26	− 5 57.7	4.466	5.254	7.6	21.1

468633 2008 SP_{4} 5 4.0 249°.80 2°.4/ 2.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 8.81	−11 9.9	2.226	3.084	11.2	22.0
4 11	15 3.43	−10 25.4	2.132	3.065	8.2	21.7
4 21	14 56.25	− 9 36.1	2.064	3.046	4.9	21.5
5 1	14 47.89	− 8 45.5	2.024	3.026	2.4	21.3
5 11	14 39.17	− 7 58.3	2.012	3.005	4.3	21.4
5 21	14 30.92	− 7 18.6	2.028	2.984	7.8	21.6
5 31	14 23.93	− 6 50.2	2.070	2.963	11.2	21.7
6 10	14 18.78	− 6 35.2	2.134	2.940	14.1	21.9

38709 2000 QO_{90} 5 4.0 105°.25 0°.9/ 5.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 4.08	−21 33.1	3.557	4.385	8.1	19.5
4 11	14 59.31	−21 15.0	3.490	4.403	6.0	19.4
4 21	14 53.53	−20 50.3	3.448	4.421	3.7	19.3
5 1	14 47.20	−20 20.2	3.436	4.439	1.4	19.1
5 11	14 40.81	−19 46.6	3.454	4.457	1.7	19.2
5 21	14 34.83	−19 12.1	3.501	4.474	4.0	19.3
5 31	14 29.70	−18 39.0	3.576	4.491	6.3	19.5
6 10	14 25.73	−18 9.7	3.677	4.508	8.2	19.7

512569 2016 SN_{28} 5 4.0 15°.89 3°.8/29.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 3.45	− 6 32.7	2.500	3.366	9.9	20.9
4 11	14 59.19	− 5 12.7	2.432	3.366	7.3	20.7
4 21	14 53.61	− 3 51.4	2.391	3.367	4.8	20.5
5 1	14 47.24	− 2 33.9	2.378	3.367	3.8	20.5
5 11	14 40.74	− 1 25.2	2.394	3.368	5.4	20.6
5 21	14 34.74	− 0 29.4	2.437	3.369	7.9	20.7
5 31	14 29.80	+ 0 11.0	2.505	3.369	10.5	20.9
6 10	14 26.34	+ 0 35.1	2.595	3.370	12.7	21.1

44962 1999 VL_{87} 5 4.0 256°.45 1°.1/ 4.8 18 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 11.03	−21 13.7	1.798	2.645	14.0	19.6
4 11	15 5.57	−20 46.8	1.702	2.626	10.5	19.3
4 21	14 57.74	−20 5.7	1.629	2.606	6.5	19.0
5 1	14 48.28	−19 11.9	1.581	2.586	2.1	18.7
5 11	14 38.28	−18 9.6	1.562	2.566	3.2	18.7
5 21	14 28.90	−17 4.9	1.569	2.545	7.8	19.0
5 31	14 21.19	−16 4.6	1.602	2.523	12.1	19.2
6 10	14 15.90	−15 14.7	1.656	2.501	15.9	19.4

497357 2005 UW_{199} 5 4.0 211°.97 0°.5/ 3.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 11.58	−15 27.2	2.118	2.968	12.0	22.9
4 11	15 5.50	−15 17.2	2.034	2.962	8.8	22.7
4 21	14 57.47	−15 0.9	1.974	2.955	5.2	22.5
5 1	14 48.18	−14 40.3	1.942	2.948	1.2	22.2
5 11	14 38.56	−14 18.2	1.938	2.941	3.0	22.3
5 21	14 29.53	−13 58.2	1.963	2.932	7.0	22.5
5 31	14 21.92	−13 43.6	2.014	2.924	10.6	22.7
6 10	14 16.35	−13 37.3	2.088	2.914	13.7	22.9

386258 2008 DK_{57} 5 4.0 8°.21 7°.1/ 9.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 6.06	−35 23.3	1.685	2.491	16.6	19.3
4 11	15 2.13	−35 41.8	1.613	2.494	13.7	19.1
4 21	14 55.74	−35 36.5	1.561	2.497	10.7	18.9
5 1	14 47.78	−35 5.6	1.532	2.502	8.0	18.8
5 11	14 39.50	−34 11.2	1.526	2.507	7.1	18.7
5 21	14 32.13	−32 58.8	1.546	2.513	8.6	18.8
5 31	14 26.71	−31 36.8	1.589	2.521	11.4	19.0
6 10	14 23.88	−30 14.3	1.653	2.529	14.4	19.2

416225 2002 XZ_{118} 5 4.0 211°.28 1°.7/ 1.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 0.70	− 7 11.4	4.587	5.439	6.0	21.1
4 11	14 56.71	− 6 56.8	4.509	5.438	4.4	20.9
4 21	14 52.00	− 6 42.4	4.458	5.436	2.7	20.8
5 1	14 46.85	− 6 29.7	4.437	5.434	1.7	20.7
5 11	14 41.61	− 6 20.1	4.445	5.432	2.5	20.8
5 21	14 36.61	− 6 14.8	4.483	5.430	4.2	20.9
5 31	14 32.17	− 6 14.8	4.549	5.428	5.8	21.0
6 10	14 28.54	− 6 20.7	4.639	5.425	7.3	21.1

177493 2004 EB_{40} 5 4.0 354°.88 3°.9/ 1.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 6.95	− 6 37.1	1.911	2.782	12.2	19.6
4 11	15 2.14	− 5 59.8	1.844	2.781	9.0	19.4
4 21	14 55.48	− 5 22.7	1.800	2.779	5.8	19.2
5 1	14 47.70	− 4 50.2	1.782	2.778	3.9	19.0
5 11	14 39.69	− 4 26.7	1.792	2.778	5.6	19.1
5 21	14 32.35	− 4 15.5	1.827	2.778	8.9	19.3
5 31	14 26.44	− 4 18.6	1.887	2.777	12.1	19.5
6 10	14 22.50	− 4 36.2	1.967	2.778	15.0	19.7

238764 2005 JV_{81} 5 4.0 28°.86 3°.9/ 1.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
4 1	15 6.67	− 7 29.9	1.828	2.700	12.6	20.5
4 11	15 1.95	− 6 43.1	1.766	2.705	9.2	20.3
4 21	14 55.36	− 5 55.4	1.729	2.709	5.8	20.1
5 1	14 47.67	− 5 11.9	1.717	2.714	3.9	20.0
5 11	14 39.80	− 4 37.6	1.733	2.720	5.7	20.1
5 21	14 32.67	− 4 16.3	1.774	2.725	9.0	20.3
5 31	14 27.03	− 4 10.3	1.839	2.731	12.3	20.5
6 10	14 23.41	− 4 19.9	1.924	2.737	15.2	20.7

292501 2006 TO_{13} 5 4.1 111°.29 6°.2/27.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 4.82	− 0 36.0	2.193	3.059	11.0	20.3
4 11	15 0.34	+ 1 2.7	2.134	3.061	8.5	20.2
4 21	14 54.33	+ 2 38.3	2.101	3.063	6.6	20.0
5 1	14 47.42	+ 4 4.0	2.096	3.064	6.3	20.0
5 11	14 40.38	+ 5 13.8	2.117	3.066	7.8	20.1
5 21	14 33.93	+ 6 3.9	2.165	3.067	10.2	20.3
5 31	14 28.70	+ 6 32.4	2.235	3.069	12.7	20.4
6 10	14 25.14	+ 6 39.9	2.325	3.070	14.8	20.6

465280 2007 TA_{182} 5 4.1 174°.54 1°.2/ 4.9 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 13.07	−21 18.2	2.021	2.857	13.1	22.9
4 11	15 6.62	−20 59.5	1.943	2.861	9.8	22.7
4 21	14 58.12	−20 29.0	1.889	2.864	6.0	22.4
5 1	14 48.35	−19 48.1	1.862	2.866	2.1	22.2
5 11	14 38.32	−19 0.5	1.864	2.867	2.9	22.2
5 21	14 29.04	−18 11.0	1.894	2.867	6.8	22.5
5 31	14 21.38	−17 24.9	1.951	2.867	10.5	22.7
6 10	14 15.93	−16 46.8	2.030	2.866	13.7	22.9

193068 2000 GE_{15} 5 4.1 80°.37 3°.5/ 5.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 15.27	−23 1.5	1.338	2.190	17.5	19.7
4 11	15 9.22	−23 34.5	1.271	2.194	13.4	19.4
4 21	15 0.07	−23 52.8	1.225	2.198	8.8	19.1
5 1	14 48.86	−23 54.9	1.202	2.202	4.4	18.9
5 11	14 37.14	−23 42.4	1.204	2.206	4.6	18.9
5 21	14 26.51	−23 20.1	1.232	2.210	9.0	19.2
5 31	14 18.31	−22 55.0	1.282	2.214	13.6	19.4
6 10	14 13.33	−22 34.0	1.352	2.218	17.6	19.7

187885 2000 RS_{53} 5 4.1 285°.36 0°.8/ 3.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 7.26	−18 9.2	1.742	2.604	13.7	19.1
4 11	15 2.77	−17 6.6	1.650	2.584	10.1	18.8
4 21	14 56.07	−15 49.6	1.581	2.565	5.9	18.5
5 1	14 47.90	−14 22.2	1.538	2.545	1.4	18.2
5 11	14 39.28	−12 51.3	1.523	2.525	3.7	18.3
5 21	14 31.29	−11 24.5	1.535	2.505	8.4	18.5
5 31	14 24.92	−10 9.3	1.571	2.485	12.7	18.7
6 10	14 20.82	− 9 11.1	1.628	2.465	16.5	18.9

244112 2001 UH_{227} 5 4.1 231°.16 3°.7/30.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 5.69	− 7 4.8	2.300	3.165	10.6	21.3
4 11	15 0.97	− 6 0.7	2.225	3.160	7.8	21.1
4 21	14 54.72	− 4 54.9	2.177	3.154	5.1	20.9
5 1	14 47.53	− 3 52.2	2.156	3.149	3.7	20.8
5 11	14 40.15	− 2 57.7	2.163	3.143	5.3	20.9
5 21	14 33.30	− 2 15.3	2.197	3.137	8.2	21.1
5 31	14 27.63	− 1 47.6	2.257	3.131	11.1	21.2
6 10	14 23.61	− 1 35.9	2.337	3.125	13.6	21.4

520261 2014 EA_{70} 5 4.1 100°.40 3°.1/ 6.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 8.90	−27 29.3	2.342	3.158	12.2	21.4
4 11	15 3.36	−27 25.4	2.271	3.171	9.4	21.2
4 21	14 56.12	−27 7.8	2.225	3.184	6.4	21.0
5 1	14 47.86	−26 37.1	2.204	3.197	3.8	20.9
5 11	14 39.45	−25 55.7	2.212	3.209	3.5	20.9
5 21	14 31.73	−25 7.6	2.248	3.222	5.9	21.1
5 31	14 25.42	−24 17.7	2.311	3.234	8.8	21.3
6 10	14 21.00	−23 30.9	2.397	3.246	11.5	21.5

496231 2012 CJ_{11} 5 4.1 143°.08 1°.3/ 4.9 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 13.18	−21 1.6	1.824	2.667	14.0	22.8
4 11	15 6.83	−20 50.3	1.755	2.677	10.4	22.6
4 21	14 58.27	−20 26.9	1.709	2.686	6.4	22.4
5 1	14 48.38	−19 53.1	1.690	2.694	2.2	22.1
5 11	14 38.28	−19 12.3	1.699	2.702	3.0	22.2
5 21	14 29.04	−18 29.6	1.735	2.710	7.2	22.5
5 31	14 21.59	−17 50.4	1.796	2.717	11.1	22.7
6 10	14 16.51	−17 19.4	1.880	2.723	14.4	23.0

118394 1999 NV_{7} 5 4.1 303°.35 10°.6/22.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 6.80	+13 0.7	2.075	2.912	12.7	19.3
4 11	15 2.15	+14 33.2	1.994	2.878	11.3	19.1
4 21	14 55.61	+15 53.7	1.937	2.843	10.6	19.0
5 1	14 47.79	+16 54.1	1.904	2.808	11.0	18.9
5 11	14 39.52	+17 28.0	1.894	2.773	12.4	18.9
5 21	14 31.69	+17 32.1	1.906	2.739	14.5	19.0
5 31	14 25.14	+17 6.2	1.937	2.704	16.7	19.1
6 10	14 20.50	+16 13.0	1.984	2.669	18.8	19.2

510728 2012 VZ_{92} 5 4.1 267°.69 2°.9/ 1.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
4 1	15 10.73	− 8 2.3	2.313	3.168	11.0	21.4
4 11	15 4.86	− 7 37.3	2.210	3.140	8.1	21.2
4 21	14 57.14	− 7 11.0	2.133	3.112	5.1	20.9
5 1	14 48.15	− 6 46.4	2.083	3.082	2.9	20.7
5 11	14 38.69	− 6 27.1	2.063	3.052	4.6	20.8
5 21	14 29.60	− 6 16.3	2.070	3.022	7.9	20.9
5 31	14 21.69	− 6 16.3	2.104	2.990	11.3	21.1
6 10	14 15.59	− 6 28.6	2.160	2.959	14.3	21.2

212750 2007 TW_{6} 5 4.1 105°.01 4°.0/ 6.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 14.28	−25 40.5	1.527	2.365	16.5	20.1
4 11	15 8.18	−26 4.2	1.459	2.372	12.7	19.8
4 21	14 59.31	−26 11.3	1.412	2.379	8.6	19.6
5 1	14 48.67	−26 0.7	1.390	2.385	4.8	19.4
5 11	14 37.64	−25 34.5	1.393	2.392	4.7	19.4
5 21	14 27.62	−24 57.7	1.422	2.398	8.3	19.6
5 31	14 19.80	−24 17.4	1.475	2.405	12.4	19.9
6 10	14 14.87	−23 40.7	1.550	2.411	16.0	20.1

133662 2003 UV_{176} 5 4.1 167°.88 1°.2/ 3.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 8.37	−14 11.2	2.192	3.048	11.5	20.8
4 11	15 2.99	−13 39.2	2.119	3.050	8.3	20.6
4 21	14 55.93	−13 1.4	2.070	3.053	4.8	20.4
5 1	14 47.83	−12 20.8	2.049	3.054	1.5	20.2
5 11	14 39.54	−11 41.4	2.056	3.056	3.3	20.3
5 21	14 31.87	−11 6.9	2.092	3.057	6.9	20.5
5 31	14 25.53	−10 40.8	2.153	3.058	10.2	20.7
6 10	14 21.03	−10 25.5	2.237	3.059	13.1	20.9

276158 2002 LE_{44} 5 4.1 325°.53 7°.6/29.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 11.43	+ 3 24.7	1.702	2.563	13.9	19.8
4 11	15 5.62	+ 3 52.2	1.635	2.556	11.1	19.6
4 21	14 57.63	+ 4 9.4	1.591	2.550	8.6	19.4
5 1	14 48.25	+ 4 10.4	1.571	2.543	7.6	19.4
5 11	14 38.57	+ 3 51.4	1.578	2.537	9.0	19.4
5 21	14 29.65	+ 3 11.1	1.609	2.531	11.8	19.6
5 31	14 22.42	+ 2 10.7	1.662	2.526	14.9	19.7
6 10	14 17.51	+ 0 53.2	1.736	2.521	17.7	19.9

30793 1988 SJ_{3} 5 4.1 196°.68 3°.6/28.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 0.44	+ 3 59.1	4.698	5.542	6.0	19.6
4 11	14 56.50	+ 4 24.1	4.632	5.541	4.8	19.6
4 21	14 51.88	+ 4 44.9	4.593	5.540	3.8	19.5
5 1	14 46.85	+ 4 59.6	4.583	5.538	3.6	19.5
5 11	14 41.75	+ 5 6.7	4.600	5.537	4.3	19.5
5 21	14 36.89	+ 5 5.4	4.646	5.536	5.4	19.6
5 31	14 32.58	+ 4 55.1	4.717	5.535	6.7	19.7
6 10	14 29.05	+ 4 36.0	4.811	5.533	7.9	19.8

85651 1998 QR_{12} 5 4.1 222°.62 4°.0/ 7.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 12.90	−29 3.1	2.135	2.944	13.5	20.6
4 11	15 6.70	−29 4.5	2.040	2.933	10.7	20.4
4 21	14 58.30	−28 49.6	1.967	2.921	7.5	20.1
5 1	14 48.43	−28 17.6	1.920	2.909	4.7	19.9
5 11	14 38.13	−27 30.2	1.902	2.896	4.3	19.9
5 21	14 28.45	−26 31.7	1.911	2.883	6.9	20.0
5 31	14 20.37	−25 28.5	1.947	2.868	10.3	20.2
6 10	14 14.55	−24 27.2	2.006	2.853	13.4	20.4

203258 2001 QG_{163} 5 4.1 214°.91 1°.0/ 4.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 13.31	−20 27.0	1.698	2.546	14.6	21.7
4 11	15 7.25	−20 9.0	1.615	2.539	11.0	21.4
4 21	14 58.72	−19 37.8	1.554	2.532	6.7	21.2
5 1	14 48.54	−18 55.1	1.519	2.524	2.1	20.9
5 11	14 37.91	−18 5.0	1.512	2.515	3.3	20.9
5 21	14 28.06	−17 13.2	1.531	2.506	8.0	21.2
5 31	14 20.07	−16 26.1	1.576	2.496	12.3	21.4
6 10	14 14.64	−15 49.2	1.641	2.485	16.1	21.6

275954 2001 VN_{68} 5 4.1 230°.81 4°.9/ 7.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 11.81	−31 21.7	2.033	2.837	14.2	21.3
4 11	15 6.03	−31 27.7	1.941	2.828	11.4	21.1
4 21	14 57.96	−31 15.3	1.871	2.818	8.4	20.9
5 1	14 48.36	−30 43.2	1.826	2.808	5.7	20.7
5 11	14 38.33	−29 53.1	1.808	2.797	5.1	20.6
5 21	14 28.98	−28 49.4	1.817	2.787	7.4	20.8
5 31	14 21.32	−27 39.0	1.852	2.775	10.6	20.9
6 10	14 16.03	−26 29.5	1.909	2.763	13.7	21.1

341877 2008 GA_{78} 5 4.1 281°.11 1°.6/ 1.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	14 59.83	− 8 36.6	4.363	5.218	6.2	21.2
4 11	14 56.17	− 8 11.5	4.278	5.209	4.5	21.0
4 21	14 51.73	− 7 45.8	4.220	5.200	2.8	20.9
5 1	14 46.83	− 7 21.1	4.191	5.190	1.6	20.8
5 11	14 41.82	− 6 59.2	4.192	5.181	2.5	20.9
5 21	14 37.05	− 6 41.7	4.223	5.172	4.3	21.0
5 31	14 32.85	− 6 30.0	4.280	5.162	6.1	21.1
6 10	14 29.48	− 6 24.8	4.362	5.153	7.7	21.2

83598 Aiweiwei 5 4.1 255°.13 2°.2/ 5.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
4 1	15 10.43	−22 46.6	2.315	3.145	11.8	19.8
4 11	15 4.69	−23 3.8	2.223	3.135	9.0	19.6
4 21	14 57.06	−23 11.5	2.154	3.124	5.9	19.4
5 1	14 48.15	−23 9.5	2.113	3.113	2.8	19.2
5 11	14 38.83	−22 59.1	2.101	3.102	3.0	19.2
5 21	14 30.01	−22 42.8	2.117	3.091	6.2	19.4
5 31	14 22.50	−22 24.5	2.159	3.079	9.5	19.5
6 10	14 16.94	−22 8.1	2.225	3.068	12.4	19.7

36332 2000 ND_1 5 4.1 105°.50 8°.9/ 8.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 23.39	−37 9.4	1.978	2.737	16.0	18.6
4 11	15 15.02	−38 53.2	1.905	2.748	13.6	18.5
4 21	15 3.51	−40 18.4	1.854	2.758	11.2	18.3
5 1	14 49.75	−41 18.2	1.829	2.768	9.3	18.2
5 11	14 35.18	−41 49.4	1.830	2.777	8.9	18.2
5 21	14 21.39	−41 53.3	1.858	2.787	10.1	18.3
5 31	14 9.81	−41 36.0	1.910	2.796	12.2	18.5
6 10	14 1.38	−41 6.2	1.984	2.805	14.5	18.6

328472 2009 DM_{44} 5 4.1 80°.52 14°.8/ 7.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 30.18	−37 24.6	1.080	1.881	24.2	20.1
4 11	15 22.39	−40 25.0	1.024	1.890	20.9	19.9
4 21	15 9.04	−43 0.7	0.985	1.898	17.7	19.7
5 1	14 51.25	−44 54.4	0.966	1.906	15.4	19.6
5 11	14 31.64	−45 54.8	0.969	1.915	14.9	19.6
5 21	14 13.52	−46 2.9	0.993	1.923	16.6	19.7
5 31	13 59.71	−45 31.4	1.035	1.932	19.3	19.9
6 10	13 51.66	−44 39.1	1.094	1.940	22.2	20.1

394749 2008 FM_{47} 5 4.1 163°.75 4°.9/27.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 4.79	− 0 38.1	2.907	3.763	8.9	22.2
4 11	14 59.99	+ 0 48.7	2.846	3.767	6.9	22.1
4 21	14 54.03	+ 2 12.8	2.812	3.771	5.3	22.0
5 1	14 47.39	+ 3 29.5	2.808	3.775	5.0	21.9
5 11	14 40.66	+ 4 34.4	2.832	3.779	6.2	22.0
5 21	14 34.38	+ 5 24.6	2.884	3.782	8.1	22.2
5 31	14 29.04	+ 5 58.3	2.961	3.784	10.1	22.3
6 10	14 25.01	+ 6 15.5	3.059	3.786	11.9	22.4

169641 2002 JJ_{24} 5 4.1 326°.02 2°.9/ 2.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 11.69	−10 1.2	1.317	2.196	16.1	18.5
4 11	15 6.50	− 9 53.8	1.246	2.188	11.9	18.2
4 21	14 58.47	− 9 44.3	1.196	2.181	7.1	17.9
5 1	14 48.53	− 9 36.6	1.170	2.174	3.0	17.6
5 11	14 38.06	− 9 35.0	1.169	2.168	5.4	17.8
5 21	14 28.48	− 9 43.2	1.193	2.162	10.4	18.0
5 31	14 21.04	−10 3.9	1.238	2.157	15.1	18.3
6 10	14 16.54	−10 38.3	1.302	2.152	19.1	18.5

205872 2002 ER_{105} 5 4.1 102°.57 1°.4/ 3.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 13.97	−14 12.5	1.565	2.427	14.9	20.8
4 11	15 7.45	−13 44.9	1.512	2.446	10.8	20.6
4 21	14 58.64	−13 10.5	1.482	2.465	6.2	20.4
5 1	14 48.50	−12 33.0	1.478	2.484	1.8	20.1
5 11	14 38.29	−11 57.4	1.501	2.501	4.1	20.3
5 21	14 29.15	−11 28.4	1.550	2.519	8.5	20.6
5 31	14 22.02	−11 10.2	1.624	2.536	12.6	20.9
6 10	14 17.43	−11 4.9	1.719	2.552	15.9	21.2

178712 2000 SN_{220} 5 4.1 214°.70 4°.3/29.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 5.23	− 2 54.7	2.747	3.606	9.3	20.9
4 11	15 0.44	− 1 49.9	2.673	3.600	7.0	20.7
4 21	14 54.36	− 0 46.4	2.625	3.593	5.0	20.6
5 1	14 47.49	+ 0 11.6	2.605	3.585	4.3	20.5
5 11	14 40.45	+ 0 59.9	2.614	3.578	5.7	20.6
5 21	14 33.85	+ 1 35.5	2.650	3.570	7.9	20.7
5 31	14 28.23	+ 1 56.6	2.712	3.561	10.2	20.9
6 10	14 24.01	+ 2 2.7	2.795	3.552	12.3	21.0

58008 2002 TW_{240} 5 4.1 142°.99 3°.1/29.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 0.53	+ 0 36.2	4.500	5.350	6.1	19.0
4 11	14 56.61	+ 1 0.6	4.434	5.352	4.7	18.9
4 21	14 51.97	+ 1 21.9	4.394	5.354	3.5	18.8
5 1	14 46.91	+ 1 38.2	4.384	5.355	3.2	18.8
5 11	14 41.78	+ 1 48.0	4.402	5.357	3.9	18.8
5 21	14 36.91	+ 1 50.1	4.449	5.359	5.2	18.9
5 31	14 32.60	+ 1 43.9	4.521	5.361	6.6	19.0
6 10	14 29.12	+ 1 29.6	4.617	5.362	7.9	19.1

217411 2005 LD_{50} 5 4.1 299°.75 8°.0/ 8.7 18 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 11.08	−34 51.8	1.561	2.368	17.6	19.8
4 11	15 6.52	−35 25.9	1.459	2.340	14.8	19.5
4 21	14 58.80	−35 36.8	1.375	2.312	11.7	19.2
5 1	14 48.69	−35 19.4	1.313	2.284	8.9	19.0
5 11	14 37.59	−34 32.4	1.275	2.256	8.1	18.9
5 21	14 27.09	−33 19.5	1.261	2.228	10.2	18.9
5 31	14 18.76	−31 50.0	1.270	2.200	13.8	19.0
6 10	14 13.66	−30 15.6	1.299	2.173	17.7	19.2

258004 2001 FG_{28} 5 4.1 66°.41 1°.6/ 3.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
4 1	15 11.57	−13 53.3	1.404	2.276	15.7	20.2
4 11	15 5.97	−13 27.0	1.351	2.291	11.4	20.0
4 21	14 57.89	−12 53.7	1.320	2.305	6.6	19.7
5 1	14 48.35	−12 17.5	1.314	2.319	2.0	19.5
5 11	14 38.66	−11 43.9	1.333	2.334	4.4	19.7
5 21	14 30.08	−11 18.0	1.378	2.349	9.1	20.0
5 31	14 23.58	−11 3.8	1.445	2.363	13.4	20.2
6 10	14 19.75	−11 3.6	1.533	2.378	16.9	20.5

250770 2005 TM_5 5 4.1 273°.46 4°.1/ 7.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 9.11	−29 10.9	2.363	3.171	12.3	20.5
4 11	15 3.76	−29 30.0	2.274	3.165	9.8	20.3
4 21	14 56.52	−29 35.5	2.208	3.159	7.0	20.1
5 1	14 48.04	−29 26.6	2.169	3.153	4.7	20.0
5 11	14 39.21	−29 4.2	2.157	3.147	4.3	19.9
5 21	14 30.92	−28 31.5	2.172	3.142	6.4	20.1
5 31	14 24.00	−27 52.9	2.214	3.136	9.2	20.2
6 10	14 19.03	−27 13.7	2.279	3.130	11.9	20.4

469892 2005 VH_{118} 5 4.1 201°.77 7°.0/12.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 13.50	−47 34.5	3.600	4.266	10.9	22.5
4 11	15 6.70	−48 5.1	3.501	4.261	9.7	22.4
4 21	14 58.13	−48 19.0	3.423	4.254	8.5	22.3
5 1	14 48.42	−48 13.9	3.369	4.247	7.5	22.2
5 11	14 38.38	−47 49.4	3.340	4.240	7.0	22.2
5 21	14 28.87	−47 7.1	3.338	4.232	7.2	22.2
5 31	14 20.63	−46 10.6	3.362	4.224	8.1	22.2
6 10	14 14.22	−45 4.8	3.409	4.215	9.4	22.3

12490 Leiden 5 4.1 6°.83 0°.5/ 3.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 5.94	−16 6.5	1.955	2.817	12.4	18.8
4 11	15 1.46	−15 43.7	1.884	2.818	9.0	18.6
4 21	14 55.15	−15 13.5	1.836	2.819	5.2	18.4
5 1	14 47.71	−14 38.6	1.814	2.821	1.2	18.1
5 11	14 40.04	−14 2.9	1.820	2.823	3.1	18.3
5 21	14 33.02	−13 30.7	1.852	2.825	7.0	18.5
5 31	14 27.44	−13 5.7	1.910	2.828	10.6	18.7
6 10	14 23.81	−12 51.0	1.989	2.831	13.7	18.9

329988 2005 ST_{272} 5 4.1 245°.90 0°.3/ 3.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 9.80	−17 7.5	1.818	2.675	13.4	21.9
4 11	15 4.51	−16 40.2	1.735	2.667	9.9	21.7
4 21	14 57.06	−16 3.2	1.675	2.658	5.8	21.4
5 1	14 48.19	−15 19.2	1.642	2.648	1.3	21.1
5 11	14 38.94	−14 32.5	1.636	2.639	3.3	21.2
5 21	14 30.36	−13 48.4	1.657	2.629	7.7	21.4
5 31	14 23.40	−13 12.0	1.703	2.619	11.8	21.7
6 10	14 18.69	−12 47.1	1.770	2.609	15.3	21.9

165378 2000 WN_{139} 5 4.1 70°.02 2°.3/ 2.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 11.86	−12 35.4	1.371	2.245	15.8	19.8
4 11	15 6.20	−12 2.7	1.319	2.260	11.5	19.6
4 21	14 58.02	−11 24.2	1.290	2.275	6.7	19.3
5 1	14 48.39	−10 44.7	1.285	2.290	2.5	19.1
5 11	14 38.63	−10 9.9	1.306	2.305	4.9	19.3
5 21	14 29.99	− 9 44.9	1.352	2.320	9.5	19.6
5 31	14 23.49	− 9 33.6	1.420	2.335	13.8	19.9
6 10	14 19.69	− 9 37.5	1.508	2.350	17.3	20.2

466999 2016 CX_{27} 5 4.1 142°.00 3°.5/ 5.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 16.56	−23 48.2	1.612	2.449	15.8	21.7
4 11	15 9.79	−24 23.1	1.541	2.455	12.1	21.5
4 21	15 0.28	−24 44.7	1.492	2.460	8.0	21.3
5 1	14 48.98	−24 51.2	1.468	2.465	4.2	21.1
5 11	14 37.22	−24 43.9	1.471	2.470	4.3	21.1
5 21	14 26.40	−24 26.4	1.500	2.475	8.1	21.3
5 31	14 17.70	−24 4.7	1.554	2.479	12.2	21.6
6 10	14 11.86	−23 45.0	1.629	2.483	15.7	21.8

356507 2011 SM_{48} 5 4.1 103°.90 4°.1/ 6.1 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 15.01	−24 45.3	1.376	2.222	17.5	21.4
4 11	15 9.04	−25 15.6	1.307	2.225	13.5	21.2
4 21	15 0.01	−25 29.4	1.258	2.228	9.0	20.9
5 1	14 48.93	−25 25.1	1.234	2.231	4.9	20.7
5 11	14 37.34	−25 4.4	1.234	2.234	4.9	20.7
5 21	14 26.81	−24 32.3	1.259	2.237	8.9	21.0
5 31	14 18.67	−23 56.5	1.308	2.240	13.4	21.2
6 10	14 13.72	−23 24.5	1.376	2.243	17.3	21.5

173346 1999 XB_{90} 5 4.1 142°.06 1°.7/ 2.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 11.60	−13 25.6	1.922	2.779	12.8	21.0
4 11	15 5.48	−12 48.3	1.857	2.790	9.3	20.8
4 21	14 57.44	−12 5.3	1.817	2.800	5.4	20.6
5 1	14 48.26	−11 20.0	1.804	2.809	1.9	20.4
5 11	14 38.92	−10 37.3	1.820	2.818	3.9	20.5
5 21	14 30.39	−10 1.4	1.863	2.826	7.7	20.8
5 31	14 23.45	− 9 36.1	1.931	2.834	11.3	21.0
6 10	14 18.64	− 9 23.5	2.021	2.841	14.4	21.2

379812 2011 KT_4 5 4.1 4.°52 2.°7/ 2.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
4 1	15 8.59	−10 16.9	1.610	2.484	13.9	20.2
4 11	15 3.69	− 9 54.4	1.543	2.483	10.2	20.0
4 21	14 56.58	− 9 29.1	1.500	2.484	6.1	19.7
5 1	14 48.08	− 9 5.1	1.481	2.484	2.8	19.5
5 11	14 39.29	− 8 46.7	1.489	2.486	4.9	19.7
5 21	14 31.30	− 8 37.8	1.522	2.487	9.0	19.9
5 31	14 25.04	− 8 41.1	1.579	2.489	12.9	20.1
6 10	14 21.12	− 8 57.9	1.656	2.492	16.3	20.4

481747 2008 GD_{140} 5 4.1 5.°44 0.°2/ 3.7 18

4 1	15 0.15	−16 35.3	3.835	4.681	7.2	20.6
4 11	14 56.51	−16 5.8	3.755	4.682	5.2	20.5
4 21	14 51.98	−15 31.9	3.701	4.682	3.0	20.3
5 1	14 46.95	−14 55.3	3.677	4.683	0.7	20.1
5 11	14 41.81	−14 18.2	3.682	4.684	1.7	20.2
5 21	14 36.98	−13 42.8	3.717	4.685	4.0	20.4
5 31	14 32.84	−13 11.3	3.779	4.687	6.2	20.5
6 10	14 29.67	−12 45.3	3.866	4.688	8.0	20.7

406366 2007 RB_{214} 5 4.1 177.°47 1.°1/ 4.9 18

4 1	15 13.03	−21 1.1	1.910	2.750	13.5	22.1
4 11	15 6.74	−20 41.5	1.833	2.753	10.1	21.9
4 21	14 58.29	−20 9.7	1.779	2.755	6.2	21.6
5 1	14 48.48	−19 27.4	1.751	2.756	2.1	21.4
5 11	14 38.40	−18 38.3	1.752	2.756	2.9	21.4
5 21	14 29.10	−17 47.6	1.782	2.756	7.1	21.7
5 31	14 21.49	−17 1.0	1.836	2.754	11.0	21.9
6 10	14 16.17	−16 23.1	1.914	2.753	14.3	22.1

467346 2003 CB_5 5 4.1 14.°55 10.°3/ 9.9 17

4 1	15 9.82	−36 11.8	1.213	2.035	20.8	18.6
4 11	15 5.86	−37 25.3	1.154	2.040	17.6	18.4
4 21	14 58.41	−38 10.6	1.113	2.047	14.1	18.2
5 1	14 48.58	−38 21.6	1.091	2.055	11.3	18.1
5 11	14 38.17	−37 57.9	1.091	2.064	10.3	18.0
5 21	14 29.04	−37 4.9	1.112	2.075	11.8	18.1
5 31	14 22.72	−35 53.5	1.153	2.087	14.7	18.3
6 10	14 20.01	−34 36.3	1.214	2.100	17.9	18.6

465093 2006 UQ_{103} 5 4.1 290.°04 1.°4/ 3.2 17

4 1	15 9.55	−14 47.6	1.527	2.397	14.8	21.5
4 11	15 4.83	−14 16.0	1.437	2.375	10.9	21.2
4 21	14 57.51	−13 34.8	1.369	2.353	6.4	20.9
5 1	14 48.36	−12 47.5	1.326	2.332	1.8	20.6
5 11	14 38.58	−11 59.6	1.309	2.310	4.4	20.7
5 21	14 29.43	−11 17.4	1.317	2.288	9.4	20.9
5 31	14 22.08	−10 46.7	1.348	2.266	14.1	21.1
6 10	14 17.38	−10 31.6	1.399	2.245	18.2	21.3

297255 1995 SN_{51} 5 4.1 220.°02 2.°0/ 5.8 18

4 1	15 9.33	−23 24.0	2.615	3.440	10.8	21.1
4 11	15 3.68	−23 31.1	2.524	3.433	8.2	21.0
4 21	14 56.39	−23 28.8	2.458	3.426	5.3	20.8
5 1	14 48.04	−23 17.1	2.420	3.419	2.6	20.6
5 11	14 39.38	−22 57.8	2.410	3.411	2.7	20.6
5 21	14 31.20	−22 33.5	2.430	3.403	5.5	20.7
5 31	14 24.18	−22 7.8	2.476	3.395	8.5	20.9
6 10	14 18.87	−21 44.3	2.547	3.386	11.2	21.1

415042 2011 YY_{58} 5 4.1 105.°90 1.°3/ 3.3 16

4 1	15 12.59	−14 38.1	1.610	2.472	14.5	22.1
4 11	15 6.48	−14 8.6	1.552	2.487	10.6	21.9
4 21	14 58.12	−13 31.7	1.518	2.501	6.1	21.7
5 1	14 48.43	−12 51.2	1.510	2.516	1.7	21.4
5 11	14 38.61	−12 12.2	1.528	2.529	3.9	21.6
5 21	14 29.79	−11 39.5	1.574	2.543	8.4	21.9
5 31	14 22.87	−11 17.3	1.643	2.556	12.4	22.2
6 10	14 18.41	−11 8.2	1.733	2.568	15.7	22.4

241099 2007 GH_2 5 4.1 272.°30 0.°0/ 4.1 18

4 1	15 1.65	−16 30.4	4.498	5.337	6.4	20.3
4 11	14 57.51	−16 28.5	4.406	5.328	4.6	20.2
4 21	14 52.55	−16 23.4	4.341	5.319	2.7	20.0
5 1	14 47.10	−16 16.1	4.305	5.311	0.7	19.8
5 11	14 41.51	−16 7.7	4.299	5.302	1.4	19.9
5 21	14 36.15	−15 59.6	4.324	5.294	3.5	20.0
5 31	14 31.37	−15 53.1	4.377	5.285	5.4	20.2
6 10	14 27.45	−15 49.6	4.455	5.276	7.1	20.3

31817 1999 RK_{134} 5 4.1 107.°98 1.°4/ 5.8 18

4 1	15 4.08	−23 27.4	3.369	4.192	8.6	18.2
4 11	14 59.45	−23 11.7	3.294	4.203	6.5	18.1
4 21	14 53.73	−22 48.0	3.245	4.214	4.1	18.0
5 1	14 47.37	−22 17.4	3.225	4.225	1.9	17.8
5 11	14 40.93	−21 42.0	3.234	4.236	2.0	17.8
5 21	14 34.90	−21 4.4	3.272	4.246	4.2	18.0
5 31	14 29.75	−20 27.3	3.339	4.257	6.5	18.2
6 10	14 25.84	−19 53.5	3.430	4.267	8.6	18.3

215985 2005 SH_{46} 5 4.1 219.°66 1.°1/ 2.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
4 1	15 5.44	−14 50.8	2.564	3.417	10.1	20.7
4 11	15 0.72	−14 3.0	2.482	3.413	7.3	20.5
4 21	14 54.59	−13 8.8	2.426	3.408	4.2	20.3
5 1	14 47.59	−12 11.4	2.398	3.403	1.3	20.0
5 11	14 40.42	−11 14.8	2.399	3.398	3.0	20.2
5 21	14 33.72	−10 23.0	2.429	3.393	6.2	20.4
5 31	14 28.12	− 9 39.5	2.486	3.387	9.2	20.5
6 10	14 24.05	− 9 6.9	2.566	3.382	11.8	20.7

379323 2009 WW_{39} 5 4.1 287.°48 2.°4/ 5.7 17

4 1	15 9.89	−23 49.4	1.739	2.582	14.5	20.5
4 11	15 5.00	−23 37.9	1.636	2.556	11.2	20.2
4 21	14 57.60	−23 10.5	1.556	2.529	7.3	19.9
5 1	14 48.40	−22 27.4	1.500	2.501	3.3	19.6
5 11	14 38.51	−21 31.6	1.471	2.474	3.6	19.5
5 21	14 29.16	−20 28.7	1.468	2.446	7.9	19.7
5 31	14 21.51	−19 26.0	1.490	2.419	12.3	19.9
6 10	14 16.38	−18 30.7	1.534	2.391	16.3	20.1

508134 2015 FV_{21} 5 4.1 13.°40 1.°1/ 4.5 17

4 1	15 14.41	−16 34.0	1.658	2.513	14.6	20.5
4 11	15 8.09	−17 19.9	1.586	2.514	10.8	20.3
4 21	14 59.26	−18 0.6	1.537	2.517	6.5	20.0
5 1	14 48.76	−18 35.4	1.514	2.520	2.0	19.7
5 11	14 37.81	−19 4.6	1.519	2.523	3.3	19.8
5 21	14 27.65	−19 29.8	1.551	2.527	7.8	20.1
5 31	14 19.38	−19 53.8	1.608	2.531	11.9	20.4
6 10	14 13.72	−20 19.7	1.686	2.536	15.4	20.6

232505 2003 QY_{37} 5 4.1 252.°92 3.°2/ 6.4 18

4 1	15 10.39	−26 14.3	2.085	2.910	13.2	20.8
4 11	15 4.91	−26 18.8	1.992	2.897	10.3	20.6
4 21	14 57.31	−26 9.2	1.922	2.885	7.0	20.3
5 1	14 48.30	−25 45.2	1.877	2.872	3.9	20.1
5 11	14 38.84	−25 8.8	1.861	2.859	3.7	20.1
5 21	14 29.95	−24 23.9	1.871	2.846	6.8	20.2
5 31	14 22.58	−23 36.0	1.908	2.832	10.3	20.4
6 10	14 17.39	−22 51.0	1.968	2.819	13.5	20.6

441078 2007 RJ_{133} 5 4.1 292.°18 16.°9/13.9 18

4 1	15 17.71	−47 55.3	1.166	1.925	25.0	20.7
4 11	15 13.11	−49 35.7	1.095	1.918	22.7	20.5
4 21	15 3.48	−50 39.6	1.037	1.911	20.3	20.3
5 1	14 49.95	−50 53.8	0.995	1.904	18.1	20.1
5 11	14 35.04	−50 11.1	0.970	1.898	16.9	20.0
5 21	14 21.69	−48 34.4	0.963	1.891	17.3	20.0
5 31	14 12.39	−46 17.5	0.975	1.885	19.0	20.1
6 10	14 8.31	−43 40.7	1.004	1.878	21.7	20.2

140653 2001 UC_{35} 5 4.1 146.°65 2.°4/ 2.1 18

4 1	15 9.49	− 7 46.6	2.676	3.528	9.8	19.9
4 11	15 3.51	− 7 33.1	2.608	3.536	7.1	19.7
4 21	14 56.15	− 7 19.7	2.566	3.544	4.4	19.6
5 1	14 47.97	− 7 8.6	2.552	3.552	2.5	19.5
5 11	14 39.66	− 7 2.3	2.569	3.559	3.8	19.6
5 21	14 31.88	− 7 2.6	2.614	3.565	6.5	19.7
5 31	14 25.21	− 7 11.0	2.686	3.572	9.1	19.9
6 10	14 20.08	− 7 28.0	2.781	3.578	11.5	20.1

513430 2008 UB_{151} 5 4.1 156.°73 0.°0/ 3.9 18

4 1	15 2.98	−17 18.6	3.883	4.721	7.3	22.8
4 11	14 58.52	−16 57.7	3.804	4.727	5.3	22.7
4 21	14 53.15	−16 32.4	3.753	4.732	3.1	22.6
5 1	14 47.25	−16 4.0	3.731	4.737	0.7	22.4
5 11	14 41.25	−15 34.4	3.739	4.742	1.6	22.5
5 21	14 35.59	−15 5.7	3.777	4.746	4.0	22.6
5 31	14 30.63	−14 40.0	3.843	4.750	6.1	22.8
6 10	14 26.71	−14 18.9	3.935	4.754	7.9	22.9

182969 2002 MA_5 5 4.1 203.°01 4.°1/ 1.2 17

4 1	15 11.05	− 6 53.1	1.843	2.707	12.9	20.8
4 11	15 5.26	− 6 5.3	1.770	2.704	9.5	20.6
4 21	14 57.42	− 5 16.4	1.722	2.701	6.1	20.4
5 1	14 48.31	− 4 31.8	1.701	2.696	4.1	20.3
5 11	14 38.90	− 3 56.5	1.707	2.692	6.0	20.4
5 21	14 30.21	− 3 34.6	1.739	2.686	9.5	20.6
5 31	14 23.09	− 3 28.7	1.796	2.681	13.0	20.8
6 10	14 18.14	− 3 39.3	1.873	2.674	16.0	21.0

336172 2008 RP_{42} 5 4.1 276.°31 0.°4/ 4.3 17

4 1	15 9.47	−18 9.8	1.839	2.694	13.3	21.3
4 11	15 4.28	−17 58.6	1.758	2.688	9.9	21.0
4 21	14 56.94	−17 38.1	1.700	2.681	5.9	20.8
5 1	14 48.21	−17 9.9	1.668	2.674	1.5	20.4
5 11	14 39.10	−16 37.7	1.664	2.668	3.0	20.5
5 21	14 30.65	−16 5.7	1.686	2.661	7.4	20.8
5 31	14 23.80	−15 38.8	1.733	2.654	11.3	21.0
6 10	14 19.19	−15 20.7	1.802	2.648	14.8	21.2

353497 2011 SB_{84} 5 4.1 202°.43 1°.9/ 2.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
4 1	15 6.22	−11 31.5	2.698	3.553	9.6	21.6
4 11	15 1.22	−10 49.7	2.617	3.549	7.0	21.5
4 21	14 54.86	−10 4.4	2.563	3.545	4.1	21.3
5 1	14 47.68	− 9 18.4	2.538	3.540	1.9	21.1
5 11	14 40.31	− 8 35.5	2.542	3.536	3.4	21.2
5 21	14 33.41	− 7 58.7	2.574	3.530	6.3	21.4
5 31	14 27.54	− 7 30.9	2.633	3.525	9.1	21.5
6 10	14 23.14	− 7 13.9	2.715	3.519	11.5	21.7

43906 1995 WK_{4} 5 4.1 184°.67 1°.6/ 2.9 18

4 1	15 11.55	−13 14.6	1.999	2.855	12.4	19.9
4 11	15 5.51	−12 42.3	1.924	2.855	9.0	19.7
4 21	14 57.52	−12 4.4	1.873	2.855	5.3	19.5
5 1	14 48.33	−11 24.1	1.849	2.854	1.8	19.2
5 11	14 38.88	−10 45.7	1.854	2.853	3.8	19.4
5 21	14 30.12	−10 13.3	1.887	2.851	7.7	19.6
5 31	14 22.87	− 9 50.6	1.945	2.848	11.3	19.8
6 10	14 17.70	− 9 40.0	2.026	2.845	14.4	20.0

496021 2008 QC_{2} 5 4.1 291°.46 0°.0/ 3.9 17

4 1	15 10.46	−18 25.9	1.248	2.121	17.2	21.8
4 11	15 6.08	−18 2.3	1.161	2.100	12.9	21.5
4 21	14 58.54	−17 23.5	1.094	2.078	7.7	21.1
5 1	14 48.68	−16 31.6	1.049	2.056	1.9	20.7
5 11	14 37.95	−15 32.5	1.029	2.034	4.2	20.8
5 21	14 27.97	−14 34.2	1.033	2.012	10.3	21.0
5 31	14 20.22	−13 45.6	1.059	1.990	15.8	21.3
6 10	14 15.70	−13 13.3	1.102	1.969	20.7	21.5

386294 2008 RJ_{140} 5 4.1 264°.61 4°.1/ 7.3 18

4 1	15 10.08	−29 39.2	2.021	2.835	13.9	20.9
4 11	15 4.83	−29 31.3	1.922	2.818	11.1	20.7
4 21	14 57.33	−29 5.2	1.844	2.800	7.9	20.4
5 1	14 48.32	−28 20.3	1.792	2.781	4.9	20.2
5 11	14 38.84	−27 18.7	1.767	2.763	4.4	20.1
5 21	14 29.96	−26 5.6	1.770	2.744	7.1	20.3
5 31	14 22.69	−24 47.9	1.798	2.725	10.7	20.4
6 10	14 17.71	−23 33.3	1.850	2.706	14.0	20.6

370818 2004 TU_{322} 5 4.1 140°.11 0°.1/ 4.2 17

4 1	15 9.48	−18 28.1	2.216	3.061	11.7	21.6
4 11	15 3.81	−17 59.8	2.146	3.071	8.6	21.4
4 21	14 56.44	−17 22.7	2.100	3.080	5.1	21.2
5 1	14 48.06	−16 39.2	2.082	3.088	1.2	20.9
5 11	14 39.53	−15 53.1	2.093	3.096	2.6	21.0
5 21	14 31.68	−15 8.6	2.133	3.104	6.3	21.3
5 31	14 25.22	−14 29.8	2.198	3.111	9.7	21.5
6 10	14 20.63	−14 0.0	2.287	3.118	12.5	21.7

54549 2000 QX_{84} 5 4.1 122°.03 4°.7/ 8.1 18

4 1	15 9.45	−31 44.2	2.325	3.123	12.8	19.6
4 11	15 4.00	−31 55.6	2.245	3.126	10.3	19.4
4 21	14 56.66	−31 51.0	2.187	3.130	7.6	19.2
5 1	14 48.13	−31 29.6	2.155	3.134	5.3	19.1
5 11	14 39.35	−30 53.0	2.151	3.137	4.8	19.1
5 21	14 31.21	−30 4.9	2.173	3.140	6.5	19.2
5 31	14 24.54	−29 10.6	2.222	3.144	9.2	19.3
6 10	14 19.89	−28 16.0	2.295	3.147	11.8	19.5

209593 2004 XE_{142} 5 4.1 107°.61 1°.2/ 4.9 18

4 1	15 14.85	−20 20.7	1.640	2.487	15.1	21.1
4 11	15 8.17	−20 13.3	1.582	2.506	11.2	20.9
4 21	14 59.13	−19 53.8	1.547	2.525	6.8	20.7
5 1	14 48.71	−19 23.9	1.538	2.542	2.2	20.4
5 11	14 38.17	−18 47.4	1.556	2.560	3.2	20.5
5 21	14 28.68	−18 9.7	1.601	2.577	7.6	20.8
5 31	14 21.20	−17 36.1	1.671	2.593	11.6	21.1
6 10	14 16.30	−17 11.4	1.763	2.609	15.0	21.3

151117 2001 WY_{33} 5 4.1 295°.27 2°.8/ 2.3 18

4 1	15 8.95	−10 53.1	1.614	2.487	14.0	19.4
4 11	15 4.14	−10 18.4	1.532	2.472	10.3	19.1
4 21	14 56.98	− 9 38.9	1.474	2.458	6.2	18.9
5 1	14 48.25	− 8 59.0	1.440	2.443	2.9	18.6
5 11	14 39.05	− 8 24.1	1.433	2.429	5.1	18.7
5 21	14 30.52	− 7 59.2	1.451	2.415	9.5	18.9
5 31	14 23.69	− 7 48.3	1.493	2.401	13.7	19.2
6 10	14 19.27	− 7 53.3	1.554	2.387	17.3	19.4

124618 2001 SR_{48} 5 4.1 256°.62 0°.2/ 4.2 17

4 1	15 14.55	−16 48.5	1.522	2.381	15.4	20.1
4 11	15 8.58	−16 52.4	1.434	2.366	11.5	19.9
4 21	14 59.77	−16 47.6	1.369	2.351	6.9	19.6
5 1	14 48.97	−16 35.4	1.329	2.335	1.7	19.2
5 11	14 37.45	−16 18.7	1.316	2.320	3.7	19.3
5 21	14 26.62	−16 1.7	1.328	2.303	8.9	19.5
5 31	14 17.79	−15 49.7	1.365	2.287	13.7	19.8
6 10	14 11.80	−15 47.0	1.421	2.270	17.9	20.0

140930 2001 VU_{79} 5 4.1 122°.82 2°.6/ 1.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
4 1	15 7.08	− 8 42.2	2.513	3.371	10.1	20.6
4 11	15 1.83	− 8 3.4	2.450	3.382	7.3	20.4
4 21	14 55.20	− 7 23.5	2.414	3.394	4.5	20.3
5 1	14 47.77	− 6 45.7	2.406	3.404	2.7	20.2
5 11	14 40.25	− 6 13.5	2.426	3.415	4.1	20.3
5 21	14 33.29	− 5 49.7	2.475	3.425	6.9	20.5
5 31	14 27.48	− 5 36.5	2.550	3.435	9.6	20.6
6 10	14 23.22	− 5 34.6	2.647	3.445	11.9	20.8

160752 2000 SQ_{84} 5 4.1 142°.05 2°.0/ 2.7 18

4 1	15 12.47	−13 6.5	1.854	2.712	13.1	20.8
4 11	15 6.17	−12 20.3	1.792	2.724	9.5	20.6
4 21	14 57.88	−11 28.0	1.753	2.736	5.5	20.4
5 1	14 48.43	−10 33.9	1.742	2.747	2.1	20.1
5 11	14 38.85	− 9 43.3	1.760	2.757	4.2	20.3
5 21	14 30.11	− 9 1.0	1.805	2.766	8.1	20.6
5 31	14 23.06	− 8 30.9	1.875	2.775	11.7	20.8
6 10	14 18.19	− 8 15.0	1.966	2.783	14.8	21.0

236503 2006 GO_{30} 5 4.1 237°.83 2°.6/ 2.0 17

4 1	15 7.47	−11 8.7	2.030	2.894	11.9	21.2
4 11	15 2.54	−10 18.9	1.953	2.889	8.6	20.9
4 21	14 55.81	− 9 24.5	1.901	2.884	5.2	20.7
5 1	14 47.95	− 8 29.8	1.877	2.879	2.6	20.5
5 11	14 39.85	− 7 39.6	1.880	2.873	4.5	20.7
5 21	14 32.35	− 6 58.7	1.910	2.868	8.0	20.9
5 31	14 26.23	− 6 30.6	1.965	2.862	11.5	21.1
6 10	14 22.03	− 6 17.0	2.042	2.856	14.4	21.2

305330 2008 AB_{95} 5 4.1 243°.22 3°.9/ 7.5 18

4 1	15 8.80	−29 45.6	2.425	3.230	12.1	21.4
4 11	15 3.51	−29 47.3	2.332	3.222	9.7	21.2
4 21	14 56.40	−29 34.3	2.262	3.213	6.9	21.0
5 1	14 48.11	−29 6.3	2.218	3.203	4.5	20.9
5 11	14 39.49	−28 24.9	2.202	3.194	4.1	20.8
5 21	14 31.42	−27 33.7	2.213	3.184	6.2	20.9
5 31	14 24.68	−26 37.8	2.252	3.174	9.0	21.1
6 10	14 19.84	−25 42.7	2.314	3.164	11.8	21.2

51144 2000 HA_{49} 5 4.1 200°.19 0°.5/ 3.6 18

4 1	15 6.74	−17 31.1	2.268	3.119	11.3	19.6
4 11	15 1.85	−16 40.6	2.188	3.117	8.2	19.4
4 21	14 55.34	−15 40.8	2.134	3.116	4.8	19.2
5 1	14 47.84	−14 35.2	2.107	3.114	1.1	19.0
5 11	14 40.15	−13 28.4	2.110	3.111	2.9	19.1
5 21	14 33.05	−12 25.3	2.140	3.109	6.5	19.3
5 31	14 27.22	−11 30.6	2.197	3.106	9.9	19.5
6 10	14 23.14	−10 47.6	2.277	3.104	12.7	19.7

180453 2004 BR_{149} 5 4.1 337°.29 0°.1/ 4.2 17

4 1	15 6.92	−17 40.9	1.227	2.107	16.9	19.7
4 11	15 3.32	−17 29.5	1.152	2.095	12.6	19.4
4 21	14 56.80	−17 5.7	1.098	2.083	7.5	19.0
5 1	14 48.28	−16 32.1	1.066	2.073	1.9	18.6
5 11	14 39.16	−15 53.7	1.058	2.063	4.0	18.8
5 21	14 30.91	−15 17.3	1.074	2.055	9.6	19.1
5 31	14 24.84	−14 49.6	1.110	2.047	14.8	19.3
6 10	14 21.80	−14 35.7	1.165	2.041	19.2	19.6

217982 2001 VY_{94} 5 4.1 107°.44 7°.0/28.8 18

4 1	15 11.16	+ 3 16.3	2.040	2.893	12.3	20.2
4 11	15 4.90	+ 4 19.2	2.000	2.915	9.7	20.1
4 21	14 57.00	+ 5 13.5	1.985	2.937	7.6	20.0
5 1	14 48.23	+ 5 53.3	1.996	2.958	7.1	20.0
5 11	14 39.46	+ 6 14.8	2.034	2.978	8.4	20.1
5 21	14 31.52	+ 6 16.3	2.098	2.998	10.6	20.3
5 31	14 25.07	+ 5 58.1	2.184	3.017	12.9	20.5
6 10	14 20.54	+ 5 22.4	2.291	3.035	15.0	20.6

506997 2008 SD_{297} 5 4.1 237°.37 1°.5/ 5.5 17

4 1	15 9.61	−23 40.2	2.421	3.247	11.5	22.4
4 11	15 4.04	−23 5.9	2.320	3.231	8.7	22.2
4 21	14 56.69	−22 18.4	2.243	3.214	5.5	21.9
5 1	14 48.20	−21 19.2	2.194	3.197	2.2	21.7
5 11	14 39.39	−20 11.7	2.175	3.178	2.6	21.7
5 21	14 31.08	−19 0.7	2.185	3.159	6.0	21.9
5 31	14 24.04	−17 51.6	2.223	3.140	9.4	22.0
6 10	14 18.83	−16 49.7	2.284	3.119	12.4	22.2

174813 2003 XB_{19} 5 4.1 200°.10 1°.5/ 3.1 17

4 1	15 11.54	−14 1.7	1.797	2.656	13.4	21.1
4 11	15 5.76	−13 29.1	1.720	2.654	9.8	20.8
4 21	14 57.81	−12 49.5	1.668	2.651	5.7	20.6
5 1	14 48.48	−12 6.3	1.642	2.648	1.8	20.3
5 11	14 38.84	−11 24.4	1.644	2.644	3.9	20.5
5 21	14 29.93	−10 48.4	1.673	2.639	8.2	20.7
5 31	14 22.68	−10 22.9	1.726	2.634	12.1	20.9
6 10	14 17.72	−10 10.5	1.801	2.629	15.5	21.1

306401 1996 JH_4 5 4.1 332°.07 3°.3/ 2.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
4 1	15 8.41	−11 16.9	1.168	2.057	16.9	20.4
4 11	15 4.40	−10 41.8	1.100	2.047	12.5	20.1
4 21	14 57.43	−10 0.5	1.051	2.038	7.5	19.8
5 1	14 48.44	− 9 18.6	1.025	2.029	3.4	19.5
5 11	14 38.90	− 8 43.4	1.022	2.021	6.1	19.6
5 21	14 30.30	− 8 21.2	1.042	2.013	11.3	19.9
5 31	14 23.95	− 8 16.9	1.083	2.007	16.3	20.2
6 10	14 20.67	− 8 32.0	1.141	2.001	20.6	20.4

214834 2006 VQ_{109} 5 4.1 175°.49 4°.4/29.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 6.41	− 2 32.0	2.558	3.417	9.9	20.9
4 11	15 1.39	− 1 43.0	2.491	3.418	7.5	20.7
4 21	14 54.99	− 0 56.4	2.450	3.419	5.3	20.6
5 1	14 47.79	− 0 16.5	2.437	3.420	4.4	20.5
5 11	14 40.43	+ 0 13.3	2.453	3.420	5.7	20.6
5 21	14 33.59	+ 0 30.4	2.495	3.421	8.0	20.7
5 31	14 27.82	+ 0 33.4	2.562	3.421	10.5	20.9
6 10	14 23.56	+ 0 22.4	2.651	3.420	12.6	21.0

114831 2003 OG_{22} 5 4.1 231°.17 3°.3/ 6.5 18 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 11.56	−26 26.5	2.303	3.120	12.3	20.0
4 11	15 5.64	−26 41.3	2.210	3.110	9.6	19.8
4 21	14 57.73	−26 43.8	2.140	3.100	6.6	19.6
5 1	14 48.49	−26 33.3	2.096	3.089	3.9	19.4
5 11	14 38.83	−26 10.9	2.081	3.078	3.7	19.4
5 21	14 29.69	−25 39.8	2.094	3.066	6.4	19.5
5 31	14 21.95	−25 4.5	2.134	3.055	9.5	19.7
6 10	14 16.23	−24 30.0	2.197	3.042	12.5	19.9

133487 2003 SP_{266} 5 4.1 163°.75 1°.7/ 2.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 8.00	−13 19.4	2.087	2.947	11.8	20.5
4 11	15 2.86	−12 36.7	2.015	2.949	8.6	20.3
4 21	14 55.98	−11 48.2	1.968	2.951	5.0	20.0
5 1	14 48.04	−10 57.7	1.948	2.953	1.8	19.8
5 11	14 39.90	−10 9.6	1.956	2.954	3.7	20.0
5 21	14 32.41	− 9 28.4	1.992	2.955	7.4	20.2
5 31	14 26.30	− 8 57.7	2.054	2.956	10.7	20.4
6 10	14 22.06	− 8 39.7	2.137	2.957	13.7	20.6

377155 2003 SV_{181} 5 4.1 216°.89 18°.0/ 9.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 29.20	−45 18.2	1.171	1.930	25.0	21.4
4 11	15 22.41	−48 9.5	1.104	1.927	22.6	21.2
4 21	15 9.64	−50 32.5	1.053	1.924	20.3	21.0
5 1	14 51.72	−52 9.6	1.019	1.921	18.5	20.9
5 11	14 31.29	−52 48.2	1.005	1.917	18.0	20.9
5 21	14 12.03	−52 27.6	1.009	1.913	18.8	20.9
5 31	13 57.34	−51 20.0	1.030	1.908	20.8	21.0
6 10	13 48.97	−49 45.8	1.067	1.904	23.3	21.1

261918 2006 KL_{23} 5 4.1 324°.11 2°.1/ 5.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 3.15	−23 7.7	1.081	1.963	18.6	20.3
4 11	15 1.15	−22 40.8	0.989	1.930	14.3	19.9
4 21	14 55.90	−21 48.7	0.916	1.899	9.1	19.5
5 1	14 48.17	−20 31.9	0.864	1.868	3.5	19.1
5 11	14 39.41	−18 56.5	0.833	1.839	4.3	19.0
5 21	14 31.34	−17 13.5	0.824	1.811	10.6	19.2
5 31	14 25.62	−15 36.4	0.835	1.785	16.8	19.5
6 10	14 23.39	−14 17.3	0.863	1.760	22.3	19.7

422722 2001 DP_{35} 5 4.1 72°.59 4°.3/ 7.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 11.70	−28 37.3	1.826	2.647	14.9	21.0
4 11	15 5.93	−28 50.3	1.762	2.663	11.7	20.8
4 21	14 57.90	−28 46.1	1.721	2.678	8.2	20.6
5 1	14 48.51	−28 24.2	1.704	2.693	5.1	20.4
5 11	14 38.92	−27 47.1	1.714	2.709	4.6	20.4
5 21	14 30.25	−26 59.7	1.751	2.724	7.3	20.6
5 31	14 23.43	−26 8.6	1.812	2.740	10.6	20.8
6 10	14 19.03	−25 20.1	1.896	2.755	13.6	21.1

508537 2016 SY_5 5 4.1 321°.23 3°.9/ 7.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 5.88	−29 55.0	1.750	2.578	15.1	20.4
4 11	15 1.98	−29 20.2	1.657	2.562	12.0	20.2
4 21	14 55.76	−28 22.4	1.584	2.545	8.4	19.9
5 1	14 48.03	−27 2.1	1.536	2.529	4.9	19.7
5 11	14 39.89	−25 23.7	1.514	2.514	4.2	19.6
5 21	14 32.47	−23 34.9	1.519	2.499	7.5	19.7
5 31	14 26.79	−21 45.2	1.549	2.485	11.4	19.9
6 10	14 23.51	−20 3.8	1.602	2.471	15.1	20.1

273635 2007 DU_{49} 5 4.1 95°.58 1°.9/ 2.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 10.78	−12 41.7	1.748	2.612	13.5	21.2
4 11	15 5.06	−12 8.2	1.690	2.625	9.8	21.0
4 21	14 57.30	−11 29.5	1.655	2.639	5.7	20.8
5 1	14 48.36	−10 49.6	1.648	2.652	2.1	20.5
5 11	14 39.29	−10 13.4	1.667	2.665	4.2	20.7
5 21	14 31.09	− 9 45.0	1.713	2.678	8.2	21.0
5 31	14 24.60	− 9 27.9	1.784	2.691	11.9	21.2
6 10	14 20.34	− 9 23.9	1.876	2.704	15.0	21.5

342838 2008 XM_{49} 5 4.1 264°.13 2°.3/ 5.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
4 1	15 8.88	−24 29.2	2.134	2.966	12.6	21.4
4 11	15 3.77	−24 18.0	2.039	2.951	9.7	21.1
4 21	14 56.67	−23 53.4	1.968	2.937	6.3	20.9
5 1	14 48.25	−23 15.9	1.922	2.922	3.1	20.7
5 11	14 39.43	−22 28.3	1.905	2.907	3.1	20.6
5 21	14 31.16	−21 35.0	1.915	2.892	6.5	20.8
5 31	14 24.31	−20 41.5	1.952	2.876	10.1	21.0
6 10	14 19.50	−19 53.2	2.011	2.861	13.3	21.2

505530 2013 YU_{41} 5 4.1 228°.68 0°.2/ 4.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 10.10	−19 4.6	2.384	3.223	11.2	22.4
4 11	15 4.38	−18 33.5	2.288	3.209	8.3	22.2
4 21	14 56.91	−17 52.7	2.216	3.195	5.0	22.0
5 1	14 48.30	−17 4.2	2.173	3.179	1.3	21.7
5 11	14 39.35	−16 11.5	2.160	3.163	2.6	21.7
5 21	14 30.90	−15 18.9	2.176	3.146	6.3	22.0
5 31	14 23.71	−14 31.0	2.218	3.129	9.7	22.1
6 10	14 18.32	−13 51.7	2.284	3.111	12.7	22.3

188854 2006 SF_{151} 5 4.1 52°.01 1°.2/ 4.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 10.96	−20 19.6	1.377	2.240	16.5	20.6
4 11	15 5.73	−20 7.3	1.322	2.254	12.2	20.4
4 21	14 57.90	−19 41.3	1.288	2.269	7.4	20.2
5 1	14 48.52	−19 3.7	1.279	2.284	2.4	19.9
5 11	14 38.97	−18 19.8	1.294	2.299	3.5	20.0
5 21	14 30.54	−17 35.8	1.335	2.315	8.3	20.3
5 31	14 24.27	−16 58.1	1.399	2.330	12.8	20.6
6 10	14 20.77	−16 31.6	1.483	2.346	16.5	20.9

30791 1988 RY_{11} 5 4.1 182°.40 4°.3/26.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	14 59.12	+ 7 11.0	4.701	5.539	6.1	19.7
4 11	14 55.65	+ 8 2.2	4.642	5.539	5.1	19.6
4 21	14 51.50	+ 8 48.4	4.611	5.539	4.4	19.5
5 1	14 46.96	+ 9 27.2	4.608	5.539	4.4	19.5
5 11	14 42.34	+ 9 56.7	4.632	5.539	5.0	19.6
5 21	14 37.96	+10 15.7	4.683	5.538	6.1	19.6
5 31	14 34.11	+10 23.7	4.758	5.538	7.2	19.7
6 10	14 31.02	+10 20.9	4.853	5.538	8.3	19.8

151726 2003 BN_{76} 5 4.1 178°.98 4°.0/ 6.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 14.99	−28 5.4	2.205	3.011	13.1	20.8
4 11	15 8.19	−28 31.2	2.121	3.013	10.4	20.6
4 21	14 59.23	−28 43.2	2.061	3.015	7.3	20.4
5 1	14 48.87	−28 40.0	2.028	3.015	4.7	20.2
5 11	14 38.12	−28 22.6	2.023	3.015	4.4	20.2
5 21	14 28.03	−27 54.1	2.046	3.014	6.8	20.4
5 31	14 19.54	−27 19.4	2.096	3.013	9.9	20.5
6 10	14 13.28	−26 44.3	2.169	3.011	12.7	20.7

1805 Dirikis 5 4.1 46°.95 0°.8/ 3.6 18 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 7.47	−15 3.3	2.039	2.898	12.0	16.0
4 11	15 2.50	−14 43.5	1.974	2.907	8.8	15.8
4 21	14 55.78	−14 17.7	1.933	2.916	5.1	15.6
5 1	14 48.02	−13 48.5	1.919	2.925	1.3	15.3
5 11	14 40.08	−13 19.6	1.932	2.934	3.1	15.5
5 21	14 32.83	−12 54.5	1.973	2.943	6.8	15.7
5 31	14 26.98	−12 36.6	2.039	2.953	10.3	16.0
6 10	14 23.05	−12 28.3	2.127	2.963	13.2	16.2

256819 2008 CH_{132} 5 4.1 278°.63 3°.9/30.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 5.64	− 6 12.0	2.266	3.132	10.7	20.8
4 11	15 1.05	− 5 18.0	2.193	3.127	8.0	20.6
4 21	14 54.91	− 4 23.5	2.145	3.122	5.2	20.5
5 1	14 47.81	− 3 33.0	2.125	3.117	3.9	20.4
5 11	14 40.51	− 2 51.1	2.132	3.112	5.4	20.5
5 21	14 33.74	− 2 21.4	2.166	3.108	8.2	20.6
5 31	14 28.16	− 2 6.0	2.225	3.103	11.1	20.8
6 10	14 24.24	− 2 5.7	2.305	3.098	13.6	21.0

469415 2001 XK_{82} 5 4.1 214°.32 3°.5/30.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 7.60	− 3 21.2	3.120	3.970	8.6	22.8
4 11	15 2.10	− 2 47.0	3.037	3.960	6.4	22.6
4 21	14 55.39	− 2 14.5	2.981	3.950	4.4	22.4
5 1	14 47.92	− 1 46.5	2.953	3.939	3.5	22.4
5 11	14 40.27	− 1 25.8	2.955	3.927	4.6	22.4
5 21	14 32.99	− 1 14.5	2.986	3.915	6.7	22.5
5 31	14 26.59	− 1 13.9	3.044	3.902	9.0	22.7
6 10	14 21.49	− 1 24.4	3.124	3.889	11.0	22.8

253881 2004 BX_{34} 5 4.1 199°.59 1°.8/ 2.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 11.75	−12 48.2	1.984	2.840	12.5	21.4
4 11	15 5.76	−12 16.2	1.905	2.837	9.1	21.2
4 21	14 57.77	−11 38.8	1.851	2.833	5.3	20.9
5 1	14 48.53	−10 59.2	1.824	2.828	1.9	20.7
5 11	14 38.98	−10 21.8	1.825	2.823	3.9	20.8
5 21	14 30.09	− 9 50.8	1.854	2.817	7.8	21.0
5 31	14 22.71	− 9 29.8	1.909	2.811	11.5	21.3
6 10	14 17.43	− 9 21.1	1.985	2.804	14.6	21.4

177775 2005 KB_2 5 4.1 37°.37 2°.0/ 2.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
4 1	15 8.43	−14 56.0	1.403	2.279	15.5	19.8
4 11	15 3.84	−13 57.9	1.342	2.284	11.2	19.5
4 21	14 56.81	−12 49.6	1.303	2.289	6.5	19.3
5 1	14 48.29	−11 36.8	1.288	2.294	2.2	19.0
5 11	14 39.54	−10 27.2	1.299	2.299	4.7	19.2
5 21	14 31.77	− 9 28.1	1.335	2.305	9.5	19.5
5 31	14 25.98	− 8 45.3	1.394	2.311	13.9	19.7
6 10	14 22.75	− 8 21.5	1.472	2.317	17.5	20.0

87116 2000 LQ_{30} 5 4.1 236°.92 7°.1/28.1 18 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 9.44	+ 2 49.8	2.099	2.955	11.9	19.5
4 11	15 3.97	+ 3 57.5	2.026	2.943	9.5	19.3
4 21	14 56.69	+ 4 59.2	1.977	2.930	7.6	19.2
5 1	14 48.27	+ 5 48.6	1.954	2.917	7.2	19.1
5 11	14 39.55	+ 6 20.5	1.959	2.903	8.6	19.2
5 21	14 31.40	+ 6 31.9	1.988	2.889	11.1	19.3
5 31	14 24.59	+ 6 21.7	2.041	2.874	13.7	19.4
6 10	14 19.66	+ 5 51.5	2.112	2.859	16.1	19.6

117260 2004 SD_{55} 5 4.1 153°.00 5°.9/29.0 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 9.18	+ 1 26.2	2.326	3.179	11.0	20.2
4 11	15 3.47	+ 2 22.0	2.269	3.187	8.5	20.1
4 21	14 56.24	+ 3 11.9	2.237	3.194	6.6	20.0
5 1	14 48.13	+ 3 51.3	2.232	3.201	6.0	19.9
5 11	14 39.91	+ 4 16.0	2.255	3.207	7.2	20.0
5 21	14 32.31	+ 4 24.1	2.305	3.212	9.4	20.2
5 31	14 25.97	+ 4 14.8	2.378	3.217	11.8	20.3
6 10	14 21.32	+ 3 49.3	2.472	3.222	13.9	20.5

55086 2001 QQ_{117} 5 4.1 129°.41 3°.6/ 6.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 12.91	−27 35.9	2.033	2.849	13.7	19.0
4 11	15 6.63	−27 38.9	1.962	2.862	10.7	18.8
4 21	14 58.27	−27 26.3	1.915	2.874	7.3	18.6
5 1	14 48.64	−26 58.2	1.893	2.885	4.3	18.5
5 11	14 38.80	−26 17.1	1.899	2.896	4.0	18.5
5 21	14 29.79	−25 27.5	1.933	2.907	6.7	18.7
5 31	14 22.47	−24 35.4	1.993	2.917	10.0	18.9
6 10	14 17.41	−23 46.7	2.077	2.926	13.0	19.1

477460 2009 WU_{251} 5 4.1 105°.22 0°.0/ 3.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 3.63	−17 54.1	3.480	4.319	8.0	21.7
4 11	14 59.08	−17 21.1	3.413	4.336	5.8	21.6
4 21	14 53.55	−16 42.9	3.374	4.353	3.4	21.5
5 1	14 47.47	−16 1.1	3.363	4.369	0.8	21.3
5 11	14 41.35	−15 18.4	3.383	4.385	1.8	21.4
5 21	14 35.63	−14 37.3	3.432	4.401	4.3	21.6
5 31	14 30.73	−14 0.3	3.509	4.417	6.6	21.7
6 10	14 26.98	−13 29.4	3.611	4.432	8.6	21.9

453201 2008 FU_{135} 5 4.1 220°.12 1°.4/ 2.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 1.81	− 8 32.5	4.679	5.528	5.9	21.1
4 11	14 57.61	− 8 25.7	4.598	5.526	4.3	21.0
4 21	14 52.66	− 8 18.9	4.544	5.523	2.6	20.9
5 1	14 47.27	− 8 13.1	4.521	5.521	1.4	20.8
5 11	14 41.78	− 8 9.6	4.527	5.518	2.2	20.8
5 21	14 36.52	− 8 9.6	4.563	5.516	3.9	21.0
5 31	14 31.81	− 8 13.9	4.627	5.513	5.6	21.1
6 10	14 27.91	− 8 23.2	4.717	5.511	7.1	21.2

380902 2006 DM_{133} 5 4.1 321°.79 6°.4/29.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 6.94	− 2 17.1	1.693	2.568	13.3	20.5
4 11	15 2.45	− 1 8.2	1.626	2.561	10.2	20.3
4 21	14 55.91	− 0 2.0	1.583	2.554	7.4	20.1
5 1	14 48.09	+ 0 54.5	1.565	2.547	6.4	20.0
5 11	14 39.98	+ 1 34.8	1.572	2.541	8.2	20.1
5 21	14 32.57	+ 1 54.8	1.604	2.535	11.3	20.2
5 31	14 26.73	+ 1 52.7	1.658	2.529	14.5	20.4
6 10	14 23.05	+ 1 29.4	1.731	2.524	17.4	20.6

213893 2003 TN_2 5 4.1 25°.08 0°.0/ 3.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 10.38	−16 31.3	1.211	2.089	17.2	19.6
4 11	15 5.66	−16 27.2	1.154	2.095	12.7	19.4
4 21	14 58.05	−16 13.0	1.117	2.102	7.4	19.1
5 1	14 48.62	−15 51.4	1.103	2.110	1.8	18.8
5 11	14 38.87	−15 27.2	1.113	2.118	4.0	18.9
5 21	14 30.24	−15 5.9	1.147	2.127	9.4	19.3
5 31	14 23.95	−14 52.9	1.203	2.136	14.2	19.6
6 10	14 20.66	−14 52.0	1.278	2.147	18.3	19.8

319819 2006 VN_{92} 5 4.1 244°.35 3°.9/ 1.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 10.72	− 7 35.3	1.798	2.665	13.1	20.8
4 11	15 5.21	− 6 51.1	1.718	2.653	9.7	20.5
4 21	14 57.56	− 6 5.0	1.662	2.642	6.1	20.3
5 1	14 48.50	− 5 22.1	1.633	2.630	4.0	20.1
5 11	14 39.05	− 4 47.6	1.630	2.618	5.9	20.2
5 21	14 30.25	− 4 25.9	1.654	2.605	9.6	20.4
5 31	14 23.02	− 4 19.9	1.701	2.592	13.3	20.6
6 10	14 18.01	− 4 30.6	1.769	2.578	16.5	20.8

508243 2015 HK_{37} 5 4.1 64°.27 3°.3/ 1.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
4 1	15 7.12	− 8 53.8	1.998	2.866	11.9	21.3
4 11	15 2.27	− 8 4.5	1.931	2.868	8.7	21.1
4 21	14 55.68	− 7 13.1	1.889	2.870	5.4	20.9
5 1	14 48.03	− 6 23.9	1.874	2.873	3.3	20.8
5 11	14 40.19	− 5 41.9	1.886	2.875	5.0	20.9
5 21	14 33.00	− 5 11.1	1.925	2.877	8.3	21.1
5 31	14 27.21	− 4 54.2	1.988	2.880	11.6	21.3
6 10	14 23.30	− 4 52.3	2.072	2.882	14.4	21.5

16102 Barshannon 5 4.1 349°.96 0°.1/ 4.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 7.04	−17 55.0	1.226	2.106	16.9	18.3
4 11	15 3.32	−17 27.3	1.158	2.100	12.5	18.0
4 21	14 56.76	−16 45.8	1.110	2.096	7.4	17.7
5 1	14 48.34	−15 54.1	1.085	2.092	1.8	17.3
5 11	14 39.47	−14 58.9	1.084	2.089	4.0	17.4
5 21	14 31.57	−14 7.7	1.107	2.087	9.6	17.7
5 31	14 25.86	−13 27.9	1.151	2.085	14.6	18.0
6 10	14 23.08	−13 4.2	1.214	2.085	18.8	18.3

2627 Churyumov 5 4.1 150°.47 0°.9/ 3.3 18 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 7.31	−14 19.7	2.730	3.578	9.7	17.7
4 11	15 2.01	−13 53.5	2.657	3.586	7.0	17.5
4 21	14 55.37	−13 22.9	2.611	3.592	4.0	17.3
5 1	14 47.94	−12 49.9	2.593	3.599	1.2	17.1
5 11	14 40.38	−12 17.7	2.605	3.605	2.6	17.2
5 21	14 33.32	−11 48.9	2.646	3.611	5.7	17.5
5 31	14 27.33	−11 26.3	2.714	3.616	8.5	17.6
6 10	14 22.82	−11 11.9	2.805	3.621	10.9	17.8

292338 2006 SC_{192} 5 4.1 165°.16 4°.7/29.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 5.54	− 4 20.2	2.322	3.187	10.6	21.2
4 11	15 0.89	− 2 56.6	2.257	3.189	7.9	21.0
4 21	14 54.78	− 1 33.2	2.219	3.190	5.6	20.9
5 1	14 47.80	− 0 15.9	2.208	3.192	4.8	20.8
5 11	14 40.68	+ 0 50.1	2.226	3.193	6.3	20.9
5 21	14 34.12	+ 1 40.7	2.270	3.194	8.8	21.1
5 31	14 28.72	+ 2 13.5	2.339	3.195	11.4	21.3
6 10	14 24.93	+ 2 28.3	2.429	3.195	13.7	21.4

304486 2006 UF_{108} 5 4.1 321°.00 2°.7/ 2.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 9.52	− 7 53.5	2.208	3.067	11.2	20.4
4 11	15 3.93	− 7 44.3	2.134	3.066	8.3	20.2
4 21	14 56.63	− 7 35.3	2.085	3.065	5.1	20.0
5 1	14 48.27	− 7 29.1	2.064	3.064	2.8	19.8
5 11	14 39.66	− 7 28.5	2.071	3.063	4.3	19.9
5 21	14 31.64	− 7 35.6	2.106	3.063	7.5	20.1
5 31	14 24.91	− 7 51.8	2.166	3.062	10.6	20.3
6 10	14 20.00	− 8 17.8	2.249	3.061	13.3	20.5

127731 2003 ER_{52} 5 4.1 112°.80 4°.8/ 1.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 14.02	− 6 13.2	1.416	2.289	15.5	19.8
4 11	15 7.82	− 5 35.8	1.361	2.298	11.5	19.6
4 21	14 59.11	− 4 59.5	1.327	2.307	7.4	19.4
5 1	14 48.87	− 4 30.0	1.319	2.315	4.9	19.2
5 11	14 38.42	− 4 12.9	1.336	2.324	6.9	19.4
5 21	14 29.04	− 4 11.7	1.378	2.332	10.9	19.6
5 31	14 21.75	− 4 27.9	1.443	2.339	14.8	19.9
6 10	14 17.16	− 5 0.8	1.526	2.347	18.2	20.1

146121 2000 RR_{18} 5 4.1 267°.51 3°.6/ 7.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 8.57	−28 44.6	2.349	3.160	12.3	20.0
4 11	15 3.47	−28 45.3	2.252	3.147	9.7	19.8
4 21	14 56.48	−28 31.6	2.178	3.133	6.9	19.6
5 1	14 48.25	−28 3.0	2.130	3.119	4.3	19.4
5 11	14 39.65	−27 21.3	2.110	3.105	3.9	19.3
5 21	14 31.56	−26 30.3	2.118	3.091	6.3	19.5
5 31	14 24.81	−25 35.0	2.152	3.076	9.3	19.6
6 10	14 20.00	−24 41.1	2.210	3.062	12.2	19.8

450815 2007 VG_4 5 4.1 228°.20 2°.0/ 6.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 4.48	−26 37.4	3.923	4.728	7.9	22.7
4 11	14 59.79	−26 34.0	3.824	4.717	6.1	22.6
4 21	14 54.04	−26 22.5	3.749	4.706	4.2	22.4
5 1	14 47.64	−26 3.2	3.704	4.695	2.4	22.3
5 11	14 41.06	−25 37.5	3.688	4.684	2.3	22.2
5 21	14 34.77	−25 7.1	3.701	4.672	3.9	22.4
5 31	14 29.23	−24 34.7	3.743	4.661	5.9	22.5
6 10	14 24.79	−24 2.8	3.811	4.648	7.8	22.6

297470 2000 SD_{349} 5 4.1 210°.55 4°.1/29.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 6.75	− 1 7.3	3.048	3.899	8.7	22.0
4 11	15 1.51	− 0 26.1	2.971	3.891	6.7	21.8
4 21	14 55.07	+ 0 12.3	2.920	3.883	4.8	21.7
5 1	14 47.89	+ 0 44.6	2.897	3.875	4.2	21.6
5 11	14 40.54	+ 1 7.7	2.904	3.866	5.3	21.7
5 21	14 33.58	+ 1 19.6	2.939	3.857	7.3	21.8
5 31	14 27.52	+ 1 19.3	2.999	3.846	9.4	21.9
6 10	14 22.75	+ 1 6.6	3.082	3.836	11.3	22.1

2020	α_{2000}	δ_{2000}	Δ	r	β	V
188658 2005 ST_{84}			5 4.1 319°.55	0°.0/ 3.9 17		
	h m	° ′			°	m
4 1	15 9.47	−17 39.0	1.628	2.490	14.4	21.0
4 11	15 4.50	−17 14.9	1.554	2.488	10.6	20.7
4 21	14 57.22	−16 40.2	1.503	2.485	6.3	20.4
5 1	14 48.45	−15 57.7	1.476	2.483	1.5	20.1
5 11	14 39.33	−15 12.2	1.477	2.481	3.4	20.2
5 21	14 31.01	−14 29.3	1.503	2.479	8.1	20.5
5 31	14 24.47	−13 54.4	1.554	2.477	12.3	20.8
6 10	14 20.36	−13 31.5	1.625	2.475	15.9	21.0
87942 2000 SP_{356}			5 4.1 197°.47	7°.3/27.5 18		
4 1	15 8.43	+ 3 16.9	2.114	2.971	11.8	19.8
4 11	15 3.14	+ 4 37.5	2.053	2.969	9.4	19.6
4 21	14 56.17	+ 5 51.6	2.016	2.966	7.7	19.5
5 1	14 48.17	+ 6 52.5	2.006	2.963	7.4	19.5
5 11	14 39.99	+ 7 35.0	2.022	2.960	8.8	19.6
5 21	14 32.42	+ 7 56.0	2.063	2.956	11.1	19.7
5 31	14 26.18	+ 7 54.7	2.127	2.951	13.5	19.9
6 10	14 21.76	+ 7 32.8	2.210	2.947	15.7	20.0
497821 2006 TR_{121}			5 4.1 230°.42	0°.1/ 4.3 17		
4 1	15 11.53	−18 36.4	2.022	2.868	12.7	22.8
4 11	15 5.74	−18 8.5	1.930	2.855	9.4	22.5
4 21	14 57.86	−17 30.1	1.863	2.842	5.6	22.3
5 1	14 48.62	−16 43.3	1.822	2.828	1.4	22.0
5 11	14 38.96	−15 52.2	1.810	2.813	2.9	22.0
5 21	14 29.90	−15 1.5	1.826	2.798	7.2	22.3
5 31	14 22.32	−14 16.6	1.868	2.782	11.1	22.5
6 10	14 16.87	−13 41.7	1.933	2.765	14.4	22.7
231515 2008 RD_{117}			5 4.1 191°.12	6°.1/28.9 18		
4 1	15 8.64	+ 0 45.0	2.197	3.055	11.3	20.8
4 11	15 3.24	+ 1 45.4	2.132	3.054	8.8	20.7
4 21	14 56.20	+ 2 40.9	2.093	3.053	6.7	20.5
5 1	14 48.18	+ 3 25.9	2.080	3.051	6.1	20.5
5 11	14 39.98	+ 3 56.0	2.094	3.049	7.5	20.6
5 21	14 32.37	+ 4 8.5	2.135	3.046	9.9	20.7
5 31	14 26.05	+ 4 2.4	2.199	3.043	12.5	20.9
6 10	14 21.50	+ 3 38.8	2.283	3.040	14.8	21.0
500487 2012 TL_{256}			5 4.1 149°.58	1°.7/ 5.2 17		
4 1	15 11.78	−20 38.3	2.139	2.977	12.4	21.3
4 11	15 5.78	−20 56.5	2.061	2.979	9.3	21.1
4 21	14 57.82	−21 6.1	2.007	2.981	5.8	20.8
5 1	14 48.60	−21 7.1	1.980	2.983	2.4	20.6
5 11	14 39.05	−21 1.1	1.982	2.984	2.8	20.7
5 21	14 30.13	−20 50.9	2.011	2.986	6.4	20.9
5 31	14 22.68	−20 40.1	2.067	2.987	9.8	21.1
6 10	14 17.28	−20 32.4	2.146	2.989	12.8	21.3
216390 Binnig			5 4.1 282°.75	2°.4/ 2.2 16		
4 1	15 7.01	− 9 53.8	2.281	3.143	10.9	20.6
4 11	15 2.15	− 9 25.3	2.196	3.130	7.9	20.3
4 21	14 55.64	− 8 54.4	2.136	3.117	4.8	20.1
5 1	14 48.07	− 8 24.2	2.103	3.105	2.4	19.9
5 11	14 40.20	− 7 58.3	2.099	3.092	4.1	20.0
5 21	14 32.81	− 7 39.9	2.122	3.079	7.3	20.2
5 31	14 26.61	− 7 31.5	2.170	3.067	10.5	20.4
6 10	14 22.13	− 7 34.7	2.240	3.054	13.3	20.5
422785 2001 VW_{124}			5 4.1 116°.46	3°.2/ 6.8 17		
4 1	15 11.14	−27 55.1	1.939	2.760	14.1	21.0
4 11	15 5.37	−27 29.5	1.869	2.773	10.9	20.9
4 21	14 57.54	−26 46.2	1.823	2.785	7.4	20.7
5 1	14 48.51	−25 46.4	1.802	2.797	4.0	20.5
5 11	14 39.34	−24 34.4	1.809	2.809	3.6	20.5
5 21	14 31.05	−23 16.3	1.843	2.820	6.7	20.7
5 31	14 24.49	−21 59.2	1.904	2.831	10.2	20.9
6 10	14 20.18	−20 49.6	1.988	2.841	13.3	21.1
201625 2003 SV_{258}			5 4.1 226°.30	1°.8/ 2.7 17		
4 1	15 8.02	−12 59.0	2.103	2.963	11.7	21.0
4 11	15 2.96	−12 16.4	2.024	2.958	8.5	20.8
4 21	14 56.13	−11 27.9	1.970	2.952	5.0	20.5
5 1	14 48.18	−10 37.4	1.942	2.947	1.9	20.3
5 11	14 39.98	− 9 49.3	1.944	2.941	3.8	20.4
5 21	14 32.37	− 9 8.0	1.972	2.935	7.5	20.7
5 31	14 26.10	− 8 37.3	2.027	2.929	10.9	20.8
6 10	14 21.71	− 8 19.6	2.102	2.922	13.9	21.0
244136 2001 VW_{103}			5 4.1 255°.79	0°.9/ 4.9 17		
4 1	15 8.05	−20 33.7	2.420	3.259	11.1	21.5
4 11	15 2.94	−20 16.5	2.324	3.244	8.3	21.3
4 21	14 56.13	−19 49.8	2.252	3.228	5.1	21.0
5 1	14 48.20	−19 14.8	2.208	3.212	1.7	20.8
5 11	14 39.94	−18 34.4	2.193	3.196	2.4	20.8
5 21	14 32.14	−17 52.2	2.206	3.180	5.9	21.0
5 31	14 25.53	−17 12.5	2.246	3.163	9.3	21.2
6 10	14 20.67	−16 39.1	2.309	3.147	12.2	21.3

2020	α_{2000}	δ_{2000}	Δ	r	β	V
295897 2008 WH_{83}			5 4.1 222°.13	1°.8/ 2.7 18		
	h m	° ′			°	m
4 1	15 8.04	−12 58.8	2.152	3.011	11.5	21.4
4 11	15 2.95	−12 16.6	2.072	3.006	8.4	21.2
4 21	14 56.12	−11 28.7	2.018	3.000	4.9	20.9
5 1	14 48.19	−10 38.7	1.990	2.995	1.9	20.7
5 11	14 40.02	− 9 51.1	1.991	2.989	3.8	20.8
5 21	14 32.42	− 9 10.2	2.020	2.982	7.3	21.0
5 31	14 26.14	− 8 39.5	2.074	2.976	10.7	21.2
6 10	14 21.70	− 8 21.6	2.151	2.969	13.7	21.4
342501 2008 UT_{174}			5 4.1 30°.44	6°.5/ 8.1 17		
4 1	15 13.31	−32 18.9	1.816	2.621	15.6	20.3
4 11	15 7.51	−33 7.8	1.740	2.623	12.8	20.2
4 21	14 59.11	−33 38.5	1.686	2.625	9.7	20.0
5 1	14 48.96	−33 48.0	1.655	2.628	7.2	19.8
5 11	14 38.32	−33 36.2	1.650	2.631	6.6	19.8
5 21	14 28.48	−33 6.3	1.671	2.634	8.5	19.9
5 31	14 20.58	−32 24.9	1.716	2.637	11.4	20.1
6 10	14 15.37	−31 39.5	1.783	2.641	14.4	20.3
497064 2003 UK_{48}			5 4.1 213°.17	1°.5/ 2.9 18		
4 1	15 10.28	−11 50.0	2.524	3.374	10.4	21.7
4 11	15 4.38	−11 33.3	2.438	3.366	7.6	21.5
4 21	14 56.89	−11 13.5	2.377	3.358	4.4	21.3
5 1	14 48.39	−10 52.9	2.345	3.349	1.7	21.1
5 11	14 39.60	−10 34.1	2.342	3.340	3.2	21.2
5 21	14 31.29	−10 19.8	2.369	3.330	6.5	21.4
5 31	14 24.13	−10 12.6	2.422	3.320	9.5	21.6
6 10	14 18.64	−10 14.0	2.499	3.309	12.2	21.7
105558 2000 RK_{54}			5 4.1 262°.88	3°.2/ 6.9 18		
4 1	15 7.88	−27 53.9	2.305	3.122	12.3	19.7
4 11	15 2.92	−27 45.2	2.215	3.115	9.6	19.5
4 21	14 56.15	−27 21.9	2.150	3.109	6.7	19.3
5 1	14 48.21	−26 44.3	2.110	3.102	3.9	19.1
5 11	14 39.98	−25 54.8	2.098	3.096	3.6	19.1
5 21	14 32.33	−24 57.6	2.114	3.089	6.1	19.3
5 31	14 26.04	−23 58.0	2.157	3.082	9.2	19.4
6 10	14 21.65	−23 1.6	2.223	3.076	12.1	19.6
315506 2008 AH_{29}			5 4.1 103°.99	11°.7/27.2 18		
4 1	15 16.78	+16 17.1	1.836	2.651	15.0	20.5
4 11	15 9.08	+17 21.6	1.812	2.677	13.2	20.4
4 21	14 59.50	+18 4.7	1.809	2.703	11.9	20.4
5 1	14 48.97	+18 19.9	1.831	2.727	11.8	20.4
5 11	14 38.59	+18 4.6	1.876	2.751	12.7	20.5
5 21	14 29.33	+17 20.1	1.943	2.774	14.3	20.7
5 31	14 21.94	+16 10.2	2.032	2.796	16.1	20.8
6 10	14 16.83	+14 40.7	2.137	2.818	17.7	21.0
472818 2015 FW_{166}			5 4.1 196°.79	2°.2/ 5.5 17		
4 1	15 12.61	−21 58.2	2.116	2.950	12.7	20.9
4 11	15 6.48	−22 21.7	2.035	2.949	9.6	20.7
4 21	14 58.29	−22 35.8	1.977	2.948	6.2	20.5
5 1	14 48.76	−22 40.1	1.946	2.946	2.9	20.3
5 11	14 38.85	−22 35.7	1.943	2.945	3.1	20.3
5 21	14 29.54	−22 25.5	1.969	2.943	6.5	20.5
5 31	14 21.73	−22 13.1	2.021	2.942	10.0	20.7
6 10	14 16.05	−22 2.8	2.095	2.940	13.0	20.9
264627 2001 VR_{132}			5 4.2 169°.75	6°.4/29.3 17		
4 1	15 9.69	− 0 14.4	1.891	2.755	12.6	20.6
4 11	15 4.22	+ 0 48.6	1.831	2.757	9.8	20.5
4 21	14 56.87	+ 1 46.6	1.794	2.759	7.3	20.3
5 1	14 48.39	+ 2 33.4	1.784	2.760	6.5	20.3
5 11	14 39.73	+ 3 3.8	1.800	2.761	8.0	20.3
5 21	14 31.78	+ 3 14.7	1.842	2.762	10.7	20.5
5 31	14 25.34	+ 3 5.4	1.907	2.762	13.6	20.7
6 10	14 20.92	+ 2 37.0	1.990	2.763	16.2	20.9
22832 1999 RM_{54}			5 4.2 160°.41	3°.5/ 6.6 18		
4 1	15 15.23	−26 53.2	2.062	2.876	13.7	19.5
4 11	15 8.40	−27 3.1	1.985	2.884	10.6	19.3
4 21	14 59.40	−26 58.4	1.931	2.891	7.2	19.1
5 1	14 49.02	−26 38.5	1.904	2.897	4.2	18.9
5 11	14 38.35	−26 5.4	1.905	2.902	3.9	18.9
5 21	14 28.47	−25 23.4	1.934	2.907	6.8	19.1
5 31	14 20.28	−24 37.9	1.990	2.910	10.1	19.3
6 10	14 14.41	−23 55.0	2.069	2.913	13.2	19.5
124647 2001 SB_{70}			5 4.2 185°.63	3°.6/ 1.7 18		
4 1	15 12.57	− 9 16.4	1.765	2.629	13.4	20.8
4 11	15 6.51	− 8 22.4	1.695	2.629	9.8	20.6
4 21	14 58.30	− 7 24.7	1.648	2.629	6.1	20.4
5 1	14 48.76	− 6 28.8	1.628	2.628	3.6	20.2
5 11	14 38.94	− 5 40.5	1.636	2.626	5.6	20.3
5 21	14 29.91	− 5 4.7	1.671	2.623	9.4	20.5
5 31	14 22.56	− 4 44.8	1.730	2.620	13.1	20.7
6 10	14 17.50	− 4 42.0	1.809	2.616	16.3	21.0

393876 2005 TW_{33} 5 4.2 308.°56 2.°1/ 5.6 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
4 1	15 10.16	−21 56.7	2.178	3.014	12.3	21.0
4 11	15 4.68	−22 18.1	2.092	3.007	9.3	20.8
4 21	14 57.25	−22 30.3	2.030	3.001	6.0	20.6
5 1	14 48.52	−22 33.2	1.995	2.995	2.8	20.4
5 11	14 39.40	−22 28.1	1.987	2.989	3.0	20.4
5 21	14 30.82	−22 17.6	2.008	2.983	6.3	20.6
5 31	14 23.62	−22 5.2	2.055	2.978	9.7	20.8
6 10	14 18.43	−21 55.0	2.125	2.972	12.8	21.0

504687 2009 FZ_{57} 5 4.2 46.°34 2.°6/ 5.5 17

4 1	15 14.49	−21 12.0	1.798	2.639	14.2	20.6
4 11	15 7.94	−21 57.5	1.741	2.659	10.7	20.4
4 21	14 59.13	−22 33.0	1.708	2.680	6.8	20.2
5 1	14 48.95	−22 57.7	1.700	2.701	3.2	20.0
5 11	14 38.56	−23 12.2	1.721	2.722	3.5	20.1
5 21	14 29.07	−23 19.1	1.769	2.744	7.1	20.4
5 31	14 21.42	−23 22.2	1.842	2.766	10.6	20.6
6 10	14 16.21	−23 25.8	1.937	2.788	13.7	20.8

491179 2011 UE_{47} 5 4.2 168.°92 0.°8/ 4.9 18

4 1	15 6.54	−21 10.4	2.720	3.554	10.1	21.5
4 11	15 1.56	−20 39.2	2.639	3.557	7.5	21.3
4 21	14 55.19	−19 58.8	2.583	3.559	4.6	21.1
5 1	14 47.98	−19 11.1	2.556	3.561	1.5	20.9
5 11	14 40.63	−18 19.2	2.559	3.562	2.1	20.9
5 21	14 33.77	−17 26.8	2.590	3.564	5.2	21.2
5 31	14 28.01	−16 37.7	2.649	3.565	8.1	21.3
6 10	14 23.77	−15 55.4	2.732	3.566	10.7	21.5

498144 2007 TR_{73} 5 4.2 308.°55 12.°5/ 8.4 17

4 1	15 13.88	−37 59.3	1.296	2.100	20.7	20.9
4 11	15 9.98	−39 28.3	1.185	2.057	18.2	20.6
4 21	15 1.83	−40 36.4	1.092	2.014	15.4	20.3
5 1	14 49.94	−41 12.7	1.017	1.971	13.1	20.0
5 11	14 35.82	−41 8.6	0.963	1.928	12.6	19.8
5 21	14 21.74	−40 21.9	0.930	1.885	14.5	19.7
5 31	14 10.23	−38 59.8	0.916	1.842	18.3	19.8
6 10	14 3.14	−37 17.5	0.919	1.800	22.7	19.9

95598 2002 FK_{24} 5 4.2 209.°21 10.°1/ 9.3 16

4 1	15 26.17	−41 43.6	2.070	2.797	16.4	20.0
4 11	15 17.57	−43 19.3	1.978	2.790	14.3	19.8
4 21	15 5.46	−44 35.2	1.906	2.783	12.3	19.7
5 1	14 50.65	−45 23.5	1.858	2.774	10.6	19.5
5 11	14 34.64	−45 39.7	1.836	2.764	10.2	19.5
5 21	14 19.22	−45 24.4	1.840	2.754	11.1	19.5
5 31	14 6.06	−44 43.8	1.868	2.742	13.0	19.6
6 10	13 56.29	−43 48.0	1.918	2.730	15.3	19.7

428206 2006 UL_{280} 5 4.2 213.°34 0.°5/ 3.8 17

4 1	15 11.49	−16 30.0	2.026	2.876	12.5	22.5
4 11	15 5.64	−16 1.0	1.941	2.869	9.2	22.2
4 21	14 57.80	−15 23.6	1.880	2.861	5.4	22.0
5 1	14 48.65	−14 40.3	1.847	2.853	1.3	21.7
5 11	14 39.17	−13 55.1	1.842	2.844	3.1	21.8
5 21	14 30.31	−13 12.7	1.865	2.835	7.3	22.0
5 31	14 22.93	−12 37.5	1.914	2.824	11.0	22.3
6 10	14 17.63	−12 13.2	1.985	2.814	14.3	22.4

299782 2006 SG_{74} 5 4.2 171.°65 2.°6/ 1.5 17

4 1	15 6.15	− 9 39.2	2.544	3.403	10.0	21.4
4 11	15 1.28	− 8 43.6	2.473	3.405	7.2	21.3
4 21	14 55.02	− 7 45.3	2.427	3.407	4.4	21.1
5 1	14 47.95	− 6 48.1	2.410	3.409	2.6	21.0
5 11	14 40.73	− 5 56.3	2.422	3.410	4.2	21.1
5 21	14 34.02	− 5 13.3	2.462	3.411	7.0	21.2
5 31	14 28.41	− 4 42.0	2.528	3.411	9.7	21.4
6 10	14 24.31	− 4 23.7	2.616	3.412	12.1	21.6

302811 2003 BB_{37} 5 4.2 21.°68 3.°1/ 5.7 18

4 1	15 10.50	−22 55.8	1.103	1.974	19.1	20.3
4 11	15 6.17	−23 6.4	1.045	1.978	14.5	20.0
4 21	14 58.59	−22 58.3	1.005	1.984	9.3	19.7
5 1	14 48.88	−22 32.1	0.987	1.990	4.2	19.4
5 11	14 38.75	−21 52.0	0.993	1.997	4.4	19.5
5 21	14 29.87	−21 5.6	1.021	2.004	9.5	19.8
5 31	14 23.60	−20 21.7	1.070	2.013	14.6	20.1
6 10	14 20.69	−19 47.7	1.137	2.022	18.9	20.4

67728 2000 UN_{23} 5 4.2 23.°95 2.°7/ 2.9 18

4 1	15 11.57	−11 0.1	1.269	2.150	16.5	18.5
4 11	15 6.43	−10 42.4	1.210	2.153	12.1	18.2
4 21	14 58.52	−10 21.0	1.171	2.157	7.1	17.9
5 1	14 48.85	−10 0.2	1.156	2.161	2.9	17.7
5 11	14 38.83	− 9 45.1	1.166	2.165	5.3	17.8
5 21	14 29.87	− 9 40.2	1.200	2.170	10.2	18.1
5 31	14 23.13	− 9 48.6	1.256	2.176	14.8	18.4
6 10	14 19.28	−10 11.5	1.330	2.182	18.7	18.7

497078 2003 WO_2 5 4.2 79.°51 1.°6/ 5.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
4 1	15 10.29	−22 49.7	1.513	2.366	15.8	21.2
4 11	15 5.26	−22 17.7	1.444	2.370	11.9	21.0
4 21	14 57.73	−21 28.7	1.397	2.374	7.4	20.7
5 1	14 48.64	−20 25.0	1.374	2.378	2.7	20.5
5 11	14 39.28	−19 12.5	1.377	2.382	3.3	20.5
5 21	14 30.88	−17 58.8	1.406	2.385	8.0	20.8
5 31	14 24.47	−16 51.6	1.460	2.389	12.4	21.1
6 10	14 20.70	−15 57.3	1.534	2.393	16.2	21.3

202407 2005 LB_{23} 5 4.2 257.°49 0.°5/ 3.7 17

4 1	15 7.67	−15 59.0	2.379	3.230	10.9	21.4
4 11	15 2.65	−15 35.8	2.288	3.216	8.0	21.2
4 21	14 55.97	−15 5.8	2.222	3.203	4.7	21.0
5 1	14 48.21	−14 31.4	2.183	3.189	1.1	20.7
5 11	14 40.15	−13 55.7	2.173	3.175	2.7	20.8
5 21	14 32.55	−13 22.3	2.192	3.161	6.3	21.0
5 31	14 26.13	−12 54.7	2.236	3.147	9.6	21.2
6 10	14 21.42	−12 35.8	2.304	3.132	12.5	21.3

376539 2012 TT_{146} 5 4.2 264.°23 1.°2/ 2.4 17

4 1	15 0.38	−10 47.8	4.478	5.329	6.1	21.2
4 11	14 56.67	−10 26.1	4.390	5.320	4.4	21.0
4 21	14 52.20	−10 2.9	4.330	5.311	2.6	20.9
5 1	14 47.27	− 9 39.7	4.299	5.301	1.2	20.8
5 11	14 42.22	− 9 18.4	4.298	5.292	2.1	20.8
5 21	14 37.41	− 9 0.3	4.326	5.283	4.0	21.0
5 31	14 33.15	− 8 46.9	4.383	5.274	5.8	21.1
6 10	14 29.70	− 8 39.2	4.463	5.264	7.4	21.2

78032 2002 JN_{77} 5 4.2 295.°99 0.°8/ 4.6 18

4 1	15 11.09	−18 41.1	1.422	2.287	16.0	19.7
4 11	15 6.38	−18 37.9	1.329	2.263	12.0	19.4
4 21	14 58.76	−18 22.9	1.257	2.239	7.3	19.1
5 1	14 48.99	−17 56.9	1.209	2.215	2.1	18.7
5 11	14 38.37	−17 23.7	1.187	2.191	3.7	18.7
5 21	14 28.36	−16 48.7	1.189	2.168	9.2	19.0
5 31	14 20.33	−16 18.6	1.214	2.144	14.4	19.2
6 10	14 15.24	−15 59.3	1.258	2.121	18.8	19.4

334739 2003 OV_{30} 5 4.2 300.°43 8.°5/ 9.3 16

4 1	15 12.70	−36 56.2	1.800	2.584	16.5	20.7
4 11	15 7.49	−37 51.5	1.705	2.567	14.0	20.5
4 21	14 59.37	−38 26.1	1.631	2.551	11.4	20.3
5 1	14 49.13	−38 35.3	1.579	2.534	9.2	20.1
5 11	14 38.07	−38 17.3	1.552	2.518	8.5	20.0
5 21	14 27.65	−37 34.6	1.548	2.502	9.9	20.1
5 31	14 19.23	−36 34.1	1.569	2.486	12.6	20.2
6 10	14 13.74	−35 25.3	1.610	2.470	15.6	20.4

270470 2002 CA_{302} 5 4.2 70.°92 4.°1/ 1.6 17

4 1	15 11.25	− 6 57.2	1.667	2.536	13.8	20.6
4 11	15 5.38	− 6 16.1	1.622	2.558	10.1	20.4
4 21	14 57.52	− 5 35.8	1.601	2.581	6.3	20.3
5 1	14 48.56	− 5 1.2	1.606	2.603	4.1	20.2
5 11	14 39.59	− 4 37.0	1.638	2.625	5.9	20.3
5 21	14 31.58	− 4 26.4	1.695	2.647	9.3	20.6
5 31	14 25.33	− 4 30.8	1.776	2.669	12.7	20.8
6 10	14 21.32	− 4 50.2	1.878	2.691	15.6	21.1

318147 2004 PL_{72} 5 4.2 305.°01 1.°8/ 3.1 18

4 1	15 8.65	−13 36.5	1.563	2.435	14.4	20.1
4 11	15 4.15	−13 7.7	1.478	2.418	10.6	19.8
4 21	14 57.20	−12 31.3	1.415	2.400	6.2	19.5
5 1	14 48.58	−11 51.1	1.377	2.383	2.1	19.2
5 11	14 39.40	−11 12.2	1.365	2.366	4.4	19.3
5 21	14 30.87	−10 40.2	1.378	2.349	9.2	19.6
5 31	14 24.09	−10 19.9	1.415	2.332	13.6	19.8
6 10	14 19.80	−10 14.5	1.471	2.316	17.5	20.0

432033 2008 WW_{48} 5 4.2 174.°46 0.°5/ 3.8 17

4 1	15 8.06	−17 18.5	2.014	2.868	12.4	21.2
4 11	15 3.08	−16 38.2	1.939	2.869	9.1	21.0
4 21	14 56.25	−15 48.5	1.887	2.869	5.3	20.8
5 1	14 48.29	−14 52.7	1.863	2.870	1.3	20.5
5 11	14 40.11	−13 55.5	1.868	2.870	3.0	20.7
5 21	14 32.59	−13 2.0	1.899	2.870	7.0	20.9
5 31	14 26.51	−12 16.9	1.956	2.870	10.6	21.1
6 10	14 22.41	−11 43.6	2.036	2.870	13.7	21.3

156482 2002 CS_{63} 5 4.2 139.°94 11.°2/24.5 17

4 1	15 10.55	+16 16.7	2.038	2.859	13.6	19.9
4 11	15 4.70	+17 37.5	2.000	2.866	12.1	19.8
4 21	14 57.08	+18 40.0	1.984	2.872	11.3	19.8
5 1	14 48.47	+19 17.5	1.991	2.878	11.5	19.8
5 11	14 39.78	+19 26.0	2.022	2.884	12.5	19.9
5 21	14 31.87	+19 5.2	2.074	2.890	14.0	20.0
5 31	14 25.47	+18 17.3	2.145	2.895	15.7	20.1
6 10	14 21.03	+17 6.9	2.233	2.900	17.3	20.3

168855 2000 UC_{90} 5 4.2 119°.17 1°.8/ 5.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
4 1	15 14.55	−20 59.4	1.567	2.416	15.6	20.2
4 11	15 8.34	−21 7.4	1.500	2.424	11.7	20.0
4 21	14 59.54	−21 3.0	1.455	2.432	7.3	19.8
5 1	14 49.12	−20 46.6	1.436	2.439	2.8	19.5
5 11	14 38.36	−20 21.5	1.443	2.447	3.4	19.6
5 21	14 28.58	−19 52.2	1.477	2.454	7.9	19.9
5 31	14 20.85	−19 24.7	1.535	2.461	12.2	20.1
6 10	14 15.84	−19 4.1	1.613	2.467	15.8	20.4

139109 2001 FV_{50} 5 4.2 37°.11 3°.1/ 5.9 18

4 1	15 11.18	−24 1.9	1.376	2.230	17.0	19.5
4 11	15 6.18	−24 7.5	1.313	2.237	13.0	19.3
4 21	14 58.40	−23 55.9	1.270	2.243	8.5	19.1
5 1	14 48.85	−23 27.6	1.250	2.250	4.1	18.8
5 11	14 38.95	−22 46.2	1.255	2.258	4.1	18.8
5 21	14 30.11	−21 58.2	1.285	2.266	8.4	19.1
5 31	14 23.49	−21 11.1	1.338	2.274	12.8	19.4
6 10	14 19.78	−20 31.8	1.411	2.282	16.7	19.6

178553 1999 VU_{103} 5 4.2 238°.52 0°.1/ 4.1 17

4 1	15 12.27	−17 18.5	1.897	2.748	13.2	21.6
4 11	15 6.46	−16 56.7	1.806	2.734	9.8	21.3
4 21	14 58.42	−16 25.4	1.738	2.719	5.8	21.0
5 1	14 48.88	−15 46.8	1.697	2.704	1.4	20.7
5 11	14 38.86	−15 4.7	1.685	2.688	3.2	20.8
5 21	14 29.44	−14 23.8	1.700	2.671	7.6	21.0
5 31	14 21.59	−13 49.3	1.740	2.654	11.7	21.2
6 10	14 15.99	−13 25.2	1.802	2.636	15.2	21.4

464218 2015 BQ_{214} 5 4.2 13°.58 0°.5/ 3.9 17

4 1	15 9.97	−15 46.1	1.500	2.369	15.1	20.6
4 11	15 5.03	−15 33.9	1.433	2.370	11.1	20.3
4 21	14 57.63	−15 13.4	1.388	2.372	6.5	20.1
5 1	14 48.67	−14 47.4	1.367	2.374	1.6	19.8
5 11	14 39.38	−14 20.2	1.373	2.376	3.7	19.9
5 21	14 30.96	−13 56.6	1.404	2.379	8.5	20.2
5 31	14 24.45	−13 41.2	1.458	2.383	12.8	20.5
6 10	14 20.50	−13 37.3	1.533	2.386	16.5	20.7

378648 2008 GM_{35} 5 4.2 295°.63 1°.7/ 1.7 18

4 1	15 0.46	− 8 6.1	4.270	5.125	6.3	21.1
4 11	14 56.76	− 7 42.0	4.191	5.121	4.6	21.0
4 21	14 52.27	− 7 17.5	4.139	5.117	2.8	20.8
5 1	14 47.32	− 6 54.5	4.115	5.113	1.7	20.7
5 11	14 42.27	− 6 34.5	4.122	5.110	2.6	20.8
5 21	14 37.47	− 6 19.2	4.157	5.106	4.4	20.9
5 31	14 33.25	− 6 9.9	4.220	5.102	6.2	21.0
6 10	14 29.88	− 6 7.3	4.307	5.099	7.8	21.2

158965 2004 RF_{231} 5 4.2 333°.29 0°.8/ 4.6 17

4 1	15 8.14	−18 51.0	1.456	2.324	15.5	19.6
4 11	15 3.94	−18 47.2	1.377	2.313	11.6	19.3
4 21	14 57.15	−18 31.8	1.320	2.302	7.0	19.0
5 1	14 48.59	−18 6.4	1.286	2.292	2.1	18.7
5 11	14 39.50	−17 35.1	1.278	2.282	3.4	18.8
5 21	14 31.16	−17 3.0	1.294	2.274	8.5	19.0
5 31	14 24.74	−16 36.0	1.333	2.266	13.1	19.3
6 10	14 21.00	−16 19.2	1.392	2.259	17.2	19.5

275879 2001 SD_{325} 5 4.2 193°.92 1°.5/ 3.2 17

4 1	15 11.60	−12 52.9	1.960	2.816	12.6	21.1
4 11	15 5.73	−12 32.7	1.883	2.815	9.2	20.8
4 21	14 57.86	−12 7.7	1.831	2.813	5.4	20.6
5 1	14 48.72	−11 40.8	1.806	2.811	1.8	20.4
5 11	14 39.29	−11 15.6	1.809	2.809	3.7	20.5
5 21	14 30.52	−10 55.8	1.840	2.806	7.6	20.7
5 31	14 23.28	−10 44.7	1.896	2.803	11.3	20.9
6 10	14 18.13	−10 44.5	1.974	2.799	14.5	21.1

313042 2000 QA_{97} 5 4.2 243°.28 2°.5/ 5.6 17

4 1	15 15.15	−22 43.3	1.778	2.614	14.6	20.8
4 11	15 8.90	−22 55.8	1.683	2.599	11.2	20.5
4 21	15 0.03	−22 55.9	1.611	2.583	7.2	20.2
5 1	14 49.32	−22 42.8	1.565	2.566	3.3	19.9
5 11	14 37.93	−22 18.4	1.547	2.549	3.6	19.9
5 21	14 27.14	−21 46.5	1.555	2.531	7.8	20.1
5 31	14 18.13	−21 13.0	1.589	2.512	12.0	20.3
6 10	14 11.73	−20 43.8	1.644	2.493	15.8	20.5

37727 1996 TE_{39} 5 4.2 311°.74 4°.9/ 1.1 18

4 1	15 8.02	− 8 49.6	1.311	2.196	15.7	18.8
4 11	15 3.91	− 7 40.3	1.239	2.184	11.6	18.5
4 21	14 57.14	− 6 25.4	1.189	2.173	7.4	18.2
5 1	14 48.59	− 5 12.9	1.163	2.161	4.9	18.0
5 11	14 39.57	− 4 11.4	1.161	2.150	7.4	18.1
5 21	14 31.37	− 3 28.4	1.182	2.140	11.9	18.3
5 31	14 25.17	− 3 8.5	1.225	2.130	16.3	18.6
6 10	14 21.72	− 3 12.7	1.285	2.120	20.2	18.8

436006 2009 FZ_{75} 5 4.2 249°.43 3°.9/30.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
4 1	15 6.07	− 6 21.7	2.353	3.216	10.5	21.0
4 11	15 1.40	− 5 20.4	2.274	3.207	7.8	20.8
4 21	14 55.22	− 4 17.9	2.221	3.198	5.1	20.6
5 1	14 48.08	− 3 18.9	2.197	3.188	3.9	20.5
5 11	14 40.71	− 2 28.2	2.200	3.179	5.4	20.6
5 21	14 33.83	− 1 49.5	2.230	3.169	8.2	20.7
5 31	14 28.09	− 1 25.4	2.286	3.159	11.0	20.9
6 10	14 23.97	− 1 17.0	2.362	3.149	13.5	21.0

285771 2000 UH_{74} 5 4.2 186°.03 5°.5/28.1 18

4 1	15 6.84	+ 4 45.4	3.076	3.918	8.9	21.4
4 11	15 1.57	+ 5 33.1	3.012	3.918	7.2	21.3
4 21	14 55.15	+ 6 14.5	2.974	3.917	5.8	21.2
5 1	14 48.04	+ 6 46.0	2.964	3.915	5.6	21.2
5 11	14 40.81	+ 7 4.8	2.981	3.914	6.5	21.2
5 21	14 34.00	+ 7 9.2	3.026	3.911	8.2	21.3
5 31	14 28.10	+ 6 58.9	3.095	3.908	10.0	21.5
6 10	14 23.49	+ 6 34.7	3.186	3.905	11.7	21.6

89023 2001 TB_{98} 5 4.2 260°.75 0°.9/ 4.8 18

4 1	15 10.75	−20 0.5	1.852	2.700	13.6	20.2
4 11	15 5.44	−19 45.2	1.760	2.685	10.2	19.9
4 21	14 57.88	−19 18.3	1.691	2.669	6.2	19.7
5 1	14 48.77	−18 41.2	1.648	2.653	1.9	19.3
5 11	14 39.17	−17 57.5	1.633	2.637	3.0	19.4
5 21	14 30.17	−17 12.0	1.645	2.621	7.4	19.6
5 31	14 22.76	−16 30.5	1.682	2.604	11.6	19.8
6 10	14 17.65	−15 57.9	1.741	2.587	15.2	20.0

200215 1999 TX_{178} 5 4.2 246°.63 1°.9/ 2.8 18

4 1	15 9.36	−12 15.6	2.049	2.909	12.0	20.4
4 11	15 4.08	−11 46.6	1.966	2.899	8.8	20.2
4 21	14 56.91	−11 12.8	1.907	2.890	5.2	19.9
5 1	14 48.51	−10 37.6	1.875	2.879	2.0	19.7
5 11	14 39.78	−10 4.8	1.871	2.869	3.9	19.8
5 21	14 31.61	− 9 38.4	1.895	2.859	7.6	20.0
5 31	14 24.82	− 9 21.7	1.944	2.848	11.2	20.2
6 10	14 20.00	− 9 17.0	2.014	2.837	14.3	20.4

222468 2001 RB_{110} 5 4.2 281°.15 0°.1/ 4.3 17

4 1	15 11.05	−17 53.5	1.720	2.576	14.1	21.8
4 11	15 5.90	−17 39.4	1.622	2.552	10.5	21.6
4 21	14 58.28	−17 14.9	1.547	2.528	6.3	21.2
5 1	14 48.90	−16 41.6	1.498	2.504	1.6	20.9
5 11	14 38.87	−16 3.4	1.476	2.480	3.3	20.9
5 21	14 29.36	−15 25.0	1.480	2.455	8.2	21.2
5 31	14 21.50	−14 52.3	1.508	2.430	12.7	21.4
6 10	14 16.11	−14 30.0	1.558	2.405	16.6	21.6

181491 2006 TR_{111} 5 4.2 334°.44 6°.7/29.6 17

4 1	15 9.27	− 2 25.9	1.562	2.437	14.2	20.3
4 11	15 4.29	− 1 11.5	1.503	2.437	10.8	20.1
4 21	14 57.10	− 0 0.2	1.466	2.437	7.8	19.9
5 1	14 48.55	+ 1 0.4	1.454	2.437	6.7	19.9
5 11	14 39.76	+ 1 43.2	1.467	2.436	8.6	20.0
5 21	14 31.79	+ 2 4.0	1.505	2.436	11.9	20.1
5 31	14 25.58	+ 2 1.1	1.564	2.436	15.2	20.3
6 10	14 21.70	+ 1 36.1	1.641	2.436	18.2	20.6

53262 1999 FE_{6} 5 4.2 130°.10 1°.4/ 5.2 18

4 1	15 12.75	−21 39.0	2.038	2.873	13.0	20.1
4 11	15 6.45	−21 26.5	1.970	2.888	9.7	19.9
4 21	14 58.20	−21 2.6	1.927	2.901	6.0	19.7
5 1	14 48.80	−20 28.7	1.911	2.914	2.2	19.5
5 11	14 39.24	−19 48.3	1.923	2.927	2.8	19.5
5 21	14 30.48	−19 5.7	1.964	2.938	6.5	19.8
5 31	14 23.32	−18 25.9	2.030	2.950	10.0	20.0
6 10	14 18.30	−17 53.0	2.120	2.960	13.1	20.3

293036 2006 WD_{87} 5 4.2 129°.09 2°.0/ 2.6 18

4 1	15 9.38	− 9 29.4	2.610	3.462	10.0	20.8
4 11	15 3.60	− 9 18.6	2.542	3.471	7.3	20.7
4 21	14 56.40	− 9 6.7	2.501	3.481	4.3	20.5
5 1	14 48.36	− 8 56.0	2.488	3.490	2.1	20.3
5 11	14 40.19	− 8 48.9	2.504	3.498	3.4	20.4
5 21	14 32.55	− 8 47.3	2.549	3.507	6.3	20.6
5 31	14 26.04	− 8 53.0	2.621	3.515	9.0	20.8
6 10	14 21.10	− 9 6.7	2.716	3.523	11.4	21.0

202733 2007 JM_{22} 5 4.2 307°.98 1°.9/ 2.7 17

4 1	15 7.01	−15 6.3	1.745	2.612	13.4	19.8
4 11	15 2.57	−13 59.2	1.670	2.607	9.7	19.5
4 21	14 56.08	−12 41.9	1.618	2.602	5.6	19.3
5 1	14 48.31	−11 19.6	1.593	2.598	2.0	19.0
5 11	14 40.27	− 9 59.3	1.595	2.593	4.3	19.2
5 21	14 32.94	− 8 47.8	1.623	2.589	8.5	19.4
5 31	14 27.20	− 7 50.8	1.676	2.584	12.4	19.6
6 10	14 23.61	− 7 11.6	1.749	2.580	15.8	19.8

151815 2003 FH_{89} 5 4.2 313°.17 3°.2/ 5.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
4 1	15 8.58	−24 12.7	1.490	2.342	16.0	19.7
4 11	15 4.58	−24 20.1	1.391	2.314	12.5	19.4
4 21	14 57.75	−24 11.3	1.312	2.286	8.3	19.1
5 1	14 48.82	−23 45.2	1.258	2.258	4.2	18.7
5 11	14 39.03	−23 4.1	1.227	2.230	4.2	18.7
5 21	14 29.78	−22 13.2	1.222	2.203	8.7	18.8
5 31	14 22.43	−21 20.1	1.240	2.177	13.5	19.0
6 10	14 17.96	−20 33.1	1.277	2.151	17.9	19.2

519699 2013 AL_{187} 5 4.2 145°.73 0°.0/ 3.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 6.87	−18 0.0	2.810	3.651	9.7	23.0
4 11	15 1.74	−17 32.1	2.736	3.659	7.1	22.8
4 21	14 55.30	−16 57.4	2.688	3.667	4.1	22.6
5 1	14 48.09	−16 17.9	2.668	3.674	1.0	22.4
5 11	14 40.76	−15 36.7	2.678	3.681	2.1	22.5
5 21	14 33.92	−14 56.9	2.717	3.688	5.2	22.7
5 31	14 28.13	−14 21.6	2.784	3.694	8.0	22.9
6 10	14 23.79	−13 53.3	2.874	3.700	10.4	23.1

227887 2007 EK_{46} 5 4.2 112°.47 1°.2/ 3.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 9.30	−15 17.7	1.794	2.656	13.3	20.6
4 11	15 4.14	−14 39.1	1.726	2.660	9.7	20.3
4 21	14 56.95	−13 52.6	1.681	2.664	5.6	20.1
5 1	14 48.52	−13 1.6	1.662	2.668	1.6	19.8
5 11	14 39.86	−12 11.4	1.670	2.671	3.6	20.0
5 21	14 31.97	−11 27.2	1.706	2.675	7.8	20.3
5 31	14 25.69	−10 53.3	1.766	2.679	11.6	20.5
6 10	14 21.59	−10 32.7	1.847	2.682	14.9	20.7

365448 2010 MP_{115} 5 4.2 334°.26 7°.0/27.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 3.70	+ 0 9.9	1.944	2.817	11.9	20.1
4 11	14 59.93	+ 1 47.8	1.878	2.807	9.4	19.9
4 21	14 54.46	+ 3 22.5	1.837	2.798	7.4	19.8
5 1	14 47.91	+ 4 46.2	1.822	2.790	7.1	19.8
5 11	14 41.13	+ 5 52.2	1.833	2.781	8.8	19.8
5 21	14 34.92	+ 6 36.0	1.868	2.774	11.4	20.0
5 31	14 30.02	+ 6 55.6	1.925	2.767	14.1	20.1
6 10	14 26.93	+ 6 51.9	2.000	2.760	16.5	20.3

489879 2008 GA_{139} 5 4.2 53°.23 0°.4/ 3.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 3.57	−13 38.7	4.310	5.151	6.6	21.1
4 11	14 59.01	−13 42.1	4.228	5.152	4.7	21.0
4 21	14 53.60	−13 43.6	4.173	5.153	2.7	20.9
5 1	14 47.68	−13 43.9	4.148	5.154	0.7	20.7
5 11	14 41.64	−13 44.3	4.153	5.154	1.6	20.8
5 21	14 35.86	−13 45.9	4.189	5.155	3.7	20.9
5 31	14 30.70	−13 49.9	4.253	5.156	5.6	21.1
6 10	14 26.45	−13 57.3	4.342	5.157	7.3	21.2

35539 1998 FJ_{91} 5 4.2 276°.75 7°.9/27.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 8.80	+ 2 54.7	1.900	2.762	12.7	17.4
4 11	15 3.82	+ 4 12.3	1.820	2.740	10.2	17.1
4 21	14 56.84	+ 5 24.4	1.764	2.718	8.3	17.0
5 1	14 48.53	+ 6 23.7	1.734	2.695	8.0	16.9
5 11	14 39.80	+ 7 3.5	1.729	2.673	9.6	17.0
5 21	14 31.60	+ 7 19.8	1.748	2.650	12.3	17.1
5 31	14 24.81	+ 7 11.4	1.790	2.626	15.2	17.2
6 10	14 20.06	+ 6 39.5	1.849	2.603	17.8	17.3

33963 Moranhidalgo 5 4.2 268°.21 5°.4/30.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 12.10	− 5 19.7	1.509	2.382	14.7	18.7
4 11	15 6.71	− 4 30.4	1.429	2.365	11.1	18.4
4 21	14 58.75	− 3 40.9	1.371	2.348	7.4	18.2
5 1	14 49.03	− 2 57.7	1.338	2.331	5.4	18.0
5 11	14 38.73	− 2 27.4	1.330	2.314	7.5	18.1
5 21	14 29.13	− 2 14.9	1.348	2.296	11.5	18.3
5 31	14 21.37	− 2 23.1	1.387	2.278	15.7	18.5
6 10	14 16.22	− 2 51.8	1.445	2.260	19.3	18.6

55405 2001 SV_{348} 5 4.2 59°.18 4°.3/ 7.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 9.10	−30 12.4	2.135	2.945	13.4	19.0
4 11	15 3.96	−30 15.0	2.057	2.949	10.7	18.8
4 21	14 56.85	−30 1.1	2.001	2.952	7.7	18.6
5 1	14 48.51	−29 30.3	1.970	2.955	5.0	18.4
5 11	14 39.90	−28 44.9	1.966	2.959	4.5	18.4
5 21	14 31.99	−27 49.2	1.990	2.962	6.6	18.6
5 31	14 25.61	−26 49.2	2.039	2.966	9.6	18.7
6 10	14 21.34	−25 50.8	2.112	2.969	12.5	18.9

244313 2002 GY_{133} 5 4.2 296°.74 2°.6/ 2.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 7.67	−14 53.0	1.394	2.271	15.4	19.8
4 11	15 3.71	−13 36.4	1.307	2.250	11.4	19.4
4 21	14 57.09	−12 4.8	1.242	2.228	6.7	19.1
5 1	14 48.64	−10 24.6	1.201	2.206	2.7	18.8
5 11	14 39.57	− 8 45.1	1.187	2.184	5.6	18.9
5 21	14 31.21	− 7 16.4	1.196	2.163	10.7	19.1
5 31	14 24.76	− 6 6.9	1.228	2.142	15.6	19.4
6 10	14 21.02	− 5 21.6	1.279	2.121	19.8	19.6

781 Kartvelia 5 4.2 296°.25 8°.6/25.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
4 1	15 5.58	+ 9 20.4	2.275	3.121	11.5	14.5
4 11	15 1.10	+10 39.6	2.213	3.110	9.8	14.3
4 21	14 55.07	+11 48.5	2.175	3.099	8.7	14.2
5 1	14 48.07	+12 40.7	2.162	3.088	8.8	14.2
5 11	14 40.86	+13 11.4	2.174	3.077	10.0	14.3
5 21	14 34.16	+13 18.6	2.209	3.066	11.9	14.4
5 31	14 28.63	+13 2.2	2.265	3.055	13.9	14.5
6 10	14 24.77	+12 24.3	2.340	3.045	15.7	14.6

522582 2016 EE_{246} 5 4.2 314°.72 2°.0/ 5.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 9.56	−21 53.3	1.416	2.277	16.3	21.5
4 11	15 5.14	−21 48.8	1.336	2.265	12.4	21.2
4 21	14 57.95	−21 28.8	1.276	2.254	7.8	20.9
5 1	14 48.85	−20 54.3	1.239	2.243	3.1	20.6
5 11	14 39.15	−20 9.0	1.228	2.232	3.7	20.6
5 21	14 30.26	−19 19.3	1.241	2.222	8.6	20.9
5 31	14 23.41	−18 32.7	1.277	2.212	13.4	21.1
6 10	14 19.42	−17 55.8	1.333	2.203	17.6	21.4

377817 2006 BD_{68} 5 4.2 194°.18 2°.2/ 6.0 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 11.73	−24 33.0	2.440	3.259	11.6	22.5
4 11	15 5.63	−24 27.9	2.352	3.257	8.9	22.3
4 21	14 57.75	−24 11.3	2.288	3.254	5.8	22.1
5 1	14 48.74	−23 43.4	2.252	3.250	2.9	21.9
5 11	14 39.44	−23 6.5	2.245	3.246	2.9	21.9
5 21	14 30.69	−22 24.2	2.267	3.240	5.8	22.1
5 31	14 23.28	−21 41.0	2.316	3.235	9.0	22.3
6 10	14 17.73	−21 1.4	2.389	3.228	11.8	22.5

305501 2008 EM_{98} 5 4.2 20°.83 10°.1/11.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 16.33	−43 56.4	2.152	2.878	15.9	20.0
4 11	15 9.98	−45 19.3	2.075	2.880	14.0	19.9
4 21	15 0.78	−46 20.7	2.018	2.883	12.1	19.8
5 1	14 49.56	−46 55.3	1.982	2.887	10.7	19.7
5 11	14 37.62	−47 0.7	1.971	2.890	10.1	19.6
5 21	14 26.40	−46 38.8	1.983	2.894	10.6	19.7
5 31	14 17.20	−45 55.2	2.019	2.898	12.0	19.8
6 10	14 10.90	−44 58.2	2.076	2.902	13.8	19.9

72416 2001 CG_{31} 5 4.2 125°.90 2°.0/ 2.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 14.08	−11 58.0	1.833	2.689	13.3	19.9
4 11	15 7.46	−11 30.0	1.774	2.706	9.7	19.7
4 21	14 58.82	−10 57.7	1.740	2.721	5.7	19.5
5 1	14 48.99	−10 24.9	1.732	2.736	2.2	19.3
5 11	14 39.05	− 9 55.6	1.753	2.751	4.1	19.5
5 21	14 29.99	− 9 33.8	1.802	2.764	8.0	19.8
5 31	14 22.65	− 9 22.4	1.875	2.777	11.6	20.0
6 10	14 17.56	− 9 23.1	1.970	2.790	14.7	20.2

275050 2009 UO_{91} 5 4.2 143°.37 2°.7/ 1.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 8.91	−11 37.0	2.053	2.914	11.9	21.0
4 11	15 3.57	−10 30.0	1.988	2.922	8.6	20.8
4 21	14 56.50	− 9 18.0	1.947	2.929	5.1	20.6
5 1	14 48.43	− 8 5.8	1.935	2.936	2.7	20.5
5 11	14 40.22	− 6 59.3	1.951	2.943	4.6	20.6
5 21	14 32.71	− 6 3.2	1.995	2.950	8.0	20.8
5 31	14 26.61	− 5 21.5	2.064	2.955	11.2	21.0
6 10	14 22.41	− 4 55.8	2.155	2.961	14.0	21.2

184485 2005 OY_{17} 5 4.2 187°.96 2°.7/ 1.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 5.86	− 7 32.1	3.028	3.883	8.7	21.5
4 11	15 0.93	− 6 43.1	2.952	3.882	6.4	21.4
4 21	14 54.83	− 5 53.1	2.903	3.880	4.0	21.2
5 1	14 48.02	− 5 5.2	2.884	3.878	2.7	21.1
5 11	14 41.07	− 4 22.9	2.893	3.876	4.0	21.2
5 21	14 34.54	− 3 48.8	2.932	3.873	6.3	21.4
5 31	14 28.90	− 3 24.9	2.997	3.870	8.7	21.5
6 10	14 24.56	− 3 12.4	3.085	3.866	10.8	21.7

214412 2005 OY_{16} 5 4.2 247°.15 2°.0/ 2.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 6.15	−12 30.5	2.322	3.182	10.8	20.8
4 11	15 1.51	−11 38.9	2.242	3.176	7.8	20.6
4 21	14 55.32	−10 42.0	2.188	3.170	4.6	20.4
5 1	14 48.16	− 9 43.6	2.161	3.165	2.0	20.2
5 11	14 40.79	− 8 48.2	2.163	3.159	3.8	20.3
5 21	14 33.93	− 8 0.1	2.193	3.152	7.0	20.5
5 31	14 28.25	− 7 22.7	2.249	3.146	10.2	20.7
6 10	14 24.24	− 6 58.3	2.327	3.140	12.9	20.9

238281 2003 WX_{113} 5 4.2 249°.46 1°.5/ 5.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 9.91	−21 35.6	2.115	2.954	12.5	20.8
4 11	15 4.57	−21 30.7	2.026	2.945	9.4	20.6
4 21	14 57.27	−21 15.1	1.961	2.935	5.9	20.4
5 1	14 48.67	−20 49.6	1.923	2.926	2.3	20.1
5 11	14 39.69	−20 16.7	1.912	2.916	2.8	20.1
5 21	14 31.27	−19 40.5	1.930	2.906	6.5	20.3
5 31	14 24.27	−19 5.5	1.973	2.896	10.1	20.5
6 10	14 19.30	−18 36.1	2.040	2.885	13.3	20.7

83506 2001 SU_{124} 5 4.2 335°.30 2°.1/ 2.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
4 1	15 6.41	−12 54.7	2.072	2.936	11.7	19.1
4 11	15 1.83	−11 57.1	1.999	2.935	8.5	18.9
4 21	14 55.55	−10 53.4	1.951	2.935	5.0	18.7
5 1	14 48.22	− 9 47.9	1.931	2.934	2.2	18.5
5 11	14 40.70	− 8 46.0	1.938	2.934	4.1	18.6
5 21	14 33.79	− 7 52.6	1.973	2.933	7.6	18.9
5 31	14 28.22	− 7 11.6	2.032	2.933	11.0	19.1
6 10	14 24.47	− 6 45.4	2.114	2.932	13.8	19.3

189577 2000 UR_{42} 5 4.2 209°.77 1°.0/ 3.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 11.60	−13 48.4	2.240	3.090	11.5	20.8
4 11	15 5.60	−13 35.7	2.156	3.084	8.4	20.6
4 21	14 57.79	−13 18.2	2.097	3.078	4.9	20.4
5 1	14 48.80	−12 58.0	2.065	3.071	1.4	20.1
5 11	14 39.49	−12 38.1	2.063	3.064	3.1	20.2
5 21	14 30.73	−12 21.5	2.089	3.056	6.8	20.4
5 31	14 23.29	−12 11.3	2.142	3.048	10.2	20.6
6 10	14 17.74	−12 9.7	2.217	3.039	13.2	20.8

3585 Goshirakawa 5 4.2 31°.66 1°.6/ 3.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 6.86	−13 48.0	1.734	2.604	13.3	16.7
4 11	15 2.36	−13 12.8	1.677	2.615	9.6	16.5
4 21	14 55.91	−12 31.6	1.642	2.627	5.6	16.3
5 1	14 48.32	−11 48.2	1.634	2.639	1.9	16.1
5 11	14 40.58	−11 7.7	1.652	2.652	3.9	16.3
5 21	14 33.64	−10 34.5	1.697	2.666	7.9	16.5
5 31	14 28.29	−10 12.4	1.765	2.680	11.5	16.8
6 10	14 25.04	−10 3.5	1.855	2.694	14.7	17.0

499078 2009 FA_{1} 5 4.2 352°.09 0°.9/ 4.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 8.48	−18 54.4	1.157	2.036	17.8	20.9
4 11	15 4.67	−18 52.2	1.090	2.031	13.3	20.6
4 21	14 57.80	−18 36.4	1.043	2.027	8.1	20.3
5 1	14 48.86	−18 8.8	1.017	2.023	2.4	19.9
5 11	14 39.37	−17 34.4	1.016	2.021	3.9	20.0
5 21	14 30.89	−16 59.7	1.037	2.019	9.6	20.3
5 31	14 24.76	−16 31.9	1.079	2.019	14.8	20.6
6 10	14 21.80	−16 16.3	1.139	2.020	19.2	20.9

175698 1995 UQ_{8} 5 4.2 180°.62 5°.1/28.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 6.04	+ 0 31.6	2.779	3.633	9.4	20.8
4 11	15 1.14	+ 1 36.7	2.715	3.634	7.3	20.7
4 21	14 54.98	+ 2 38.1	2.676	3.634	5.6	20.6
5 1	14 48.09	+ 3 31.2	2.666	3.634	5.2	20.6
5 11	14 41.06	+ 4 12.3	2.685	3.634	6.3	20.6
5 21	14 34.49	+ 4 39.0	2.730	3.633	8.3	20.8
5 31	14 28.90	+ 4 49.9	2.799	3.632	10.4	20.9
6 10	14 24.69	+ 4 45.4	2.890	3.631	12.3	21.0

38637 2000 LL_{35} 5 4.2 168°.67 2°.7/ 6.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 11.43	−27 26.9	2.470	3.279	11.8	19.6
4 11	15 5.35	−27 6.2	2.387	3.284	9.2	19.4
4 21	14 57.56	−26 31.4	2.329	3.289	6.2	19.2
5 1	14 48.73	−25 43.2	2.298	3.293	3.4	19.0
5 11	14 39.72	−24 44.5	2.297	3.296	3.1	19.0
5 21	14 31.36	−23 39.8	2.324	3.298	5.7	19.2
5 31	14 24.37	−22 34.4	2.380	3.300	8.7	19.4
6 10	14 19.24	−21 33.5	2.459	3.301	11.4	19.6

145632 2216 P–L 5 4.2 230°.75 1°.1/ 3.1 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 7.03	−15 8.3	2.542	3.392	10.3	21.5
4 11	15 2.09	−14 21.3	2.453	3.382	7.5	21.3
4 21	14 55.65	−13 27.4	2.390	3.371	4.3	21.1
5 1	14 48.27	−12 29.7	2.355	3.361	1.3	20.9
5 11	14 40.66	−11 32.1	2.350	3.349	3.0	21.0
5 21	14 33.51	−10 38.9	2.373	3.338	6.3	21.2
5 31	14 27.46	− 9 53.7	2.424	3.326	9.4	21.4
6 10	14 22.99	− 9 19.3	2.497	3.313	12.1	21.5

164380 2005 EB_{148} 5 4.2 83°.76 1°.7/ 2.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 8.21	−13 1.7	2.009	2.870	12.1	19.8
4 11	15 3.20	−12 28.9	1.937	2.872	8.8	19.6
4 21	14 56.39	−11 51.0	1.890	2.873	5.1	19.4
5 1	14 48.46	−11 11.2	1.870	2.875	1.9	19.2
5 11	14 40.30	−10 33.9	1.877	2.876	3.7	19.3
5 21	14 32.79	−10 3.1	1.912	2.878	7.4	19.5
5 31	14 26.69	− 9 42.1	1.972	2.879	10.9	19.8
6 10	14 22.53	− 9 33.1	2.053	2.881	13.9	20.0

352529 2008 CK_{149} 5 4.2 124°.54 7°.1/10.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 12.32	−39 57.7	2.503	3.248	13.4	21.2
4 11	15 6.36	−40 32.7	2.423	3.254	11.5	21.1
4 21	14 58.32	−40 48.9	2.363	3.259	9.4	21.0
5 1	14 48.95	−40 43.9	2.328	3.264	7.7	20.9
5 11	14 39.25	−40 17.8	2.318	3.269	7.1	20.8
5 21	14 30.22	−39 33.4	2.335	3.274	7.8	20.9
5 31	14 22.76	−38 36.0	2.377	3.279	9.5	21.0
6 10	14 17.47	−37 32.2	2.443	3.283	11.5	21.1

79543 1998 QB_{39} 5 4.2 250°.99 0°.7/ 4.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
4 1	15 11.20	−19 47.0	1.772	2.622	14.0	19.7
4 11	15 5.86	−19 26.1	1.684	2.610	10.5	19.5
4 21	14 58.19	−18 52.9	1.618	2.597	6.3	19.2
5 1	14 48.95	−18 9.4	1.579	2.584	1.9	18.9
5 11	14 39.24	−17 19.5	1.567	2.571	3.1	18.9
5 21	14 30.18	−16 28.7	1.582	2.557	7.7	19.2
5 31	14 22.80	−15 43.1	1.621	2.543	11.9	19.4
6 10	14 17.80	−15 7.8	1.683	2.529	15.6	19.6

506062 2015 MR_{10} 5 4.2 302°.96 5°.0/30.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 7.06	− 3 7.4	2.061	2.928	11.6	21.0
4 11	15 2.33	− 2 16.5	1.990	2.922	8.8	20.8
4 21	14 55.88	− 1 27.7	1.944	2.916	6.2	20.6
5 1	14 48.35	− 0 46.3	1.924	2.910	5.1	20.6
5 11	14 40.58	− 0 16.8	1.931	2.904	6.6	20.6
5 21	14 33.38	− 0 2.5	1.964	2.898	9.4	20.8
5 31	14 27.50	− 0 5.1	2.021	2.893	12.3	21.0
6 10	14 23.43	− 0 24.2	2.098	2.887	14.9	21.1

133914 2004 RE_{200} 5 4.2 264°.56 6°.8/ 8.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 14.65	−34 19.3	2.061	2.846	14.7	20.0
4 11	15 8.61	−35 5.6	1.961	2.828	12.2	19.8
4 21	14 59.96	−35 34.7	1.881	2.810	9.6	19.5
5 1	14 49.44	−35 42.9	1.827	2.791	7.4	19.4
5 11	14 38.16	−35 29.2	1.798	2.772	6.9	19.3
5 21	14 27.39	−34 55.8	1.796	2.753	8.5	19.4
5 31	14 18.32	−34 8.4	1.819	2.733	11.3	19.5
6 10	14 11.82	−33 14.6	1.864	2.713	14.2	19.6

212004 2005 BC_{13} 5 4.2 183°.25 5°.0/ 8.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 11.67	−32 11.7	2.223	3.018	13.4	20.8
4 11	15 5.90	−32 23.5	2.139	3.018	10.9	20.6
4 21	14 58.06	−32 18.4	2.077	3.018	8.1	20.5
5 1	14 48.90	−31 55.0	2.041	3.018	5.7	20.3
5 11	14 39.41	−31 14.9	2.031	3.017	5.1	20.3
5 21	14 30.60	−30 22.0	2.049	3.016	6.9	20.4
5 31	14 23.34	−29 22.0	2.094	3.015	9.7	20.5
6 10	14 18.26	−28 21.5	2.161	3.014	12.4	20.7

112335 2002 NE_{4} 5 4.2 248°.41 1°.8/ 2.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 11.39	−13 27.7	1.820	2.680	13.2	20.8
4 11	15 5.89	−12 49.9	1.731	2.665	9.7	20.6
4 21	14 58.17	−12 4.6	1.666	2.649	5.7	20.3
5 1	14 48.96	−11 15.7	1.627	2.632	2.0	20.0
5 11	14 39.27	−10 28.1	1.616	2.615	4.2	20.1
5 21	14 30.17	− 9 47.0	1.632	2.598	8.5	20.3
5 31	14 22.65	− 9 17.3	1.673	2.580	12.6	20.5
6 10	14 17.39	− 9 1.8	1.735	2.561	16.1	20.7

273720 2007 EU_{85} 5 4.2 290°.38 2°.0/ 5.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 15.28	−19 37.2	1.754	2.599	14.4	19.9
4 11	15 8.94	−20 18.1	1.672	2.593	10.9	19.7
4 21	15 0.07	−20 51.4	1.613	2.588	6.8	19.4
5 1	14 49.44	−21 15.9	1.580	2.582	2.8	19.1
5 11	14 38.23	−21 32.0	1.574	2.577	3.4	19.2
5 21	14 27.69	−21 41.7	1.596	2.572	7.6	19.4
5 31	14 18.93	−21 48.8	1.643	2.566	11.7	19.6
6 10	14 12.75	−21 57.3	1.712	2.561	15.3	19.9

171822 2001 FR_{20} 5 4.2 91°.61 4°.6/ 6.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 14.23	−27 44.1	1.577	2.407	16.4	19.7
4 11	15 8.27	−28 3.8	1.511	2.417	12.9	19.5
4 21	14 59.63	−28 5.1	1.466	2.427	8.9	19.3
5 1	14 49.30	−27 47.0	1.445	2.437	5.4	19.1
5 11	14 38.64	−27 11.7	1.450	2.447	5.0	19.1
5 21	14 29.00	−26 24.7	1.481	2.457	8.1	19.3
5 31	14 21.50	−25 33.5	1.536	2.467	11.9	19.5
6 10	14 16.81	−24 45.7	1.613	2.476	15.4	19.8

446584 2014 OL_{335} 5 4.2 179°.53 3°.0/ 8.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 5.50	−32 3.9	4.202	4.976	7.9	22.3
4 11	15 0.57	−32 9.1	4.111	4.977	6.4	22.1
4 21	14 54.61	−32 4.9	4.045	4.977	4.8	22.0
5 1	14 48.03	−31 51.1	4.006	4.978	3.4	21.9
5 11	14 41.29	−31 28.8	3.996	4.978	3.1	21.9
5 21	14 34.88	−30 59.6	4.016	4.977	4.1	22.0
5 31	14 29.21	−30 25.9	4.064	4.977	5.6	22.1
6 10	14 24.65	−29 50.6	4.138	4.976	7.2	22.2

330890 2009 RM_{61} 5 4.2 200°.80 3°.7/ 1.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 10.52	− 6 38.1	2.246	3.103	11.2	21.7
4 11	15 4.73	− 5 48.7	2.169	3.099	8.3	21.5
4 21	14 57.24	− 4 58.6	2.117	3.094	5.3	21.3
5 1	14 48.69	− 4 11.9	2.094	3.088	3.7	21.2
5 11	14 39.90	− 3 33.2	2.099	3.082	5.3	21.3
5 21	14 31.67	− 3 6.0	2.132	3.075	8.3	21.5
5 31	14 24.73	− 2 52.7	2.191	3.067	11.3	21.6
6 10	14 19.59	− 2 54.1	2.271	3.059	14.0	21.8

32150 2000 LJ_{31} 5 4.2 271°.11 2°.4/ 6.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
4 1	15 8.89	−25 6.3	2.389	3.213	11.7	18.7
4 11	15 3.77	−24 59.0	2.285	3.192	9.1	18.5
4 21	14 56.82	−24 39.2	2.204	3.170	6.0	18.3
5 1	14 48.62	−24 7.3	2.151	3.149	3.1	18.1
5 11	14 39.99	−23 25.4	2.126	3.127	3.0	18.0
5 21	14 31.81	−22 37.2	2.129	3.104	6.0	18.2
5 31	14 24.86	−21 47.4	2.158	3.081	9.3	18.3
6 10	14 19.76	−21 1.0	2.212	3.059	12.4	18.5

36260 1999 XQ_{111} 5 4.2 346°.58 1°.5/ 3.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 2.86	−18 0.7	1.318	2.200	15.8	16.8
4 11	15 0.15	−16 37.3	1.245	2.189	11.6	16.5
4 21	14 54.97	−14 55.7	1.193	2.180	6.7	16.2
5 1	14 48.17	−13 3.1	1.166	2.172	1.9	15.8
5 11	14 41.00	−11 9.7	1.163	2.165	4.7	16.0
5 21	14 34.68	− 9 26.5	1.185	2.159	9.9	16.3
5 31	14 30.27	− 8 2.7	1.229	2.154	14.6	16.5
6 10	14 28.42	− 7 3.3	1.292	2.151	18.7	16.8

98220 2000 SC_{143} 5 4.2 287°.18 3°.0/ 5.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 12.45	−23 9.5	1.439	2.291	16.6	19.2
4 11	15 7.49	−23 22.1	1.349	2.272	12.8	18.9
4 21	14 59.51	−23 19.5	1.279	2.253	8.4	18.6
5 1	14 49.36	−23 0.8	1.233	2.235	3.9	18.3
5 11	14 38.38	−22 28.3	1.213	2.216	4.2	18.2
5 21	14 28.07	−21 47.0	1.217	2.197	8.9	18.4
5 31	14 19.85	−21 4.3	1.244	2.178	13.8	18.7
6 10	14 14.66	−20 28.0	1.292	2.160	18.1	18.9

238879 2005 YP_{29} 5 4.2 121°.30 2°.1/ 3.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 13.52	−12 58.0	1.383	2.254	15.9	21.0
4 11	15 7.76	−12 28.8	1.321	2.260	11.7	20.8
4 21	14 59.33	−11 53.1	1.281	2.265	6.8	20.5
5 1	14 49.23	−11 15.0	1.265	2.270	2.4	20.3
5 11	14 38.83	−10 40.3	1.275	2.275	4.8	20.4
5 21	14 29.46	−10 14.4	1.310	2.280	9.6	20.7
5 31	14 22.22	−10 1.6	1.368	2.284	14.1	21.0
6 10	14 17.78	−10 4.1	1.446	2.289	17.9	21.2

464753 2003 SY_{199} 5 4.2 224°.60 5°.9/ 6.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 22.34	−29 37.1	1.987	2.781	14.8	20.8
4 11	15 14.36	−30 50.1	1.890	2.771	12.0	20.6
4 21	15 3.44	−31 50.3	1.817	2.759	9.0	20.4
5 1	14 50.33	−32 32.9	1.771	2.747	6.5	20.2
5 11	14 36.29	−32 55.2	1.753	2.735	6.2	20.2
5 21	14 22.74	−32 58.4	1.763	2.721	8.6	20.3
5 31	14 11.04	−32 47.2	1.800	2.707	11.8	20.5
6 10	14 2.15	−32 28.6	1.859	2.692	14.9	20.6

171069 2005 ES_{152} 5 4.2 254°.15 1°.4/ 3.2 18 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 8.60	−13 27.0	2.088	2.947	11.8	20.5
4 11	15 3.52	−13 1.7	2.009	2.942	8.6	20.2
4 21	14 56.61	−12 31.1	1.954	2.936	5.0	20.0
5 1	14 48.55	−11 58.2	1.926	2.931	1.6	19.8
5 11	14 40.21	−11 26.6	1.926	2.925	3.5	19.9
5 21	14 32.44	−11 0.2	1.953	2.920	7.2	20.1
5 31	14 26.02	−10 42.3	2.006	2.914	10.7	20.3
6 10	14 21.52	−10 35.2	2.081	2.909	13.7	20.5

140304 2001 SR_{313} 5 4.2 182°.89 1°.6/ 2.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 9.27	−11 4.0	2.698	3.547	9.8	20.3
4 11	15 3.59	−10 48.4	2.620	3.548	7.1	20.2
4 21	14 56.49	−10 30.5	2.567	3.548	4.2	20.0
5 1	14 48.51	−10 12.5	2.544	3.547	1.7	19.8
5 11	14 40.34	− 9 57.0	2.550	3.547	3.1	19.9
5 21	14 32.63	− 9 46.2	2.585	3.545	6.1	20.1
5 31	14 26.01	− 9 42.2	2.647	3.544	8.9	20.3
6 10	14 20.90	− 9 46.4	2.733	3.541	11.3	20.4

497284 2005 SO 5 4.2 166°.76 1°.8/ 5.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 12.24	−23 34.0	2.520	3.341	11.3	23.2
4 11	15 5.89	−23 22.4	2.440	3.347	8.5	23.0
4 21	14 57.88	−23 0.0	2.385	3.353	5.5	22.9
5 1	14 48.86	−22 27.5	2.357	3.358	2.5	22.7
5 11	14 39.63	−21 47.5	2.360	3.362	2.6	22.7
5 21	14 31.01	−21 3.7	2.391	3.365	5.6	22.9
5 31	14 23.70	−20 20.3	2.451	3.367	8.7	23.1
6 10	14 18.19	−19 41.4	2.535	3.369	11.4	23.3

263992 2009 ME_{5} 5 4.2 233°.12 4°.0/ 1.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 10.64	− 7 20.3	1.839	2.704	12.9	20.3
4 11	15 5.19	− 6 31.8	1.762	2.696	9.5	20.1
4 21	14 57.68	− 5 41.7	1.708	2.687	6.1	19.9
5 1	14 48.84	− 4 55.1	1.682	2.678	4.1	19.7
5 11	14 39.65	− 4 17.2	1.683	2.669	5.9	19.8
5 21	14 31.10	− 3 52.4	1.710	2.659	9.4	20.0
5 31	14 24.09	− 3 43.7	1.761	2.649	13.0	20.2
6 10	14 19.24	− 3 51.7	1.832	2.638	16.1	20.4

406360 2007 RU_{195} 5 4.2 171°.01 1°.8/ 2.9 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
4 1	15 12.06	−14 5.1	1.846	2.703	13.2	22.2
4 11	15 6.14	−13 13.6	1.775	2.707	9.6	21.9
4 21	14 58.17	−12 14.4	1.728	2.710	5.6	21.7
5 1	14 48.94	−11 11.8	1.708	2.713	2.0	21.5
5 11	14 39.48	−10 11.6	1.716	2.715	4.1	21.6
5 21	14 30.80	− 9 19.2	1.752	2.716	8.1	21.9
5 31	14 23.76	− 8 39.2	1.813	2.716	11.9	22.1
6 10	14 18.92	− 8 14.4	1.896	2.716	15.1	22.3

38694 2000 QO_{46} 5 4.2 144°.63 2°.1/ 5.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 12.25	−24 4.3	2.338	3.161	12.0	20.5
4 11	15 5.99	−23 57.0	2.265	3.172	9.1	20.3
4 21	14 57.96	−23 38.0	2.216	3.183	5.9	20.1
5 1	14 48.88	−23 8.2	2.194	3.194	2.8	19.9
5 11	14 39.62	−22 30.1	2.202	3.203	2.8	19.9
5 21	14 31.04	−21 47.5	2.238	3.213	5.9	20.1
5 31	14 23.88	−21 5.2	2.302	3.221	9.0	20.4
6 10	14 18.64	−20 27.3	2.389	3.229	11.8	20.6

461482 2002 RM_{268} 5 4.2 314°.76 1°.4/ 4.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 9.06	−20 10.8	1.316	2.185	16.7	21.1
4 11	15 5.09	−20 8.8	1.230	2.165	12.7	20.8
4 21	14 58.15	−19 52.7	1.164	2.145	7.9	20.4
5 1	14 49.05	−19 23.2	1.120	2.125	2.7	20.1
5 11	14 39.16	−18 44.3	1.102	2.107	3.8	20.1
5 21	14 29.97	−18 2.0	1.107	2.088	9.3	20.3
5 31	14 22.88	−17 23.9	1.134	2.071	14.5	20.6
6 10	14 18.85	−16 56.6	1.179	2.054	19.0	20.8

470622 2008 RC_{132} 5 4.2 203°.23 5°.4/28.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 8.28	− 0 51.7	2.428	3.284	10.5	22.1
4 11	15 2.98	+ 0 19.9	2.357	3.280	8.1	21.9
4 21	14 56.18	+ 1 28.7	2.312	3.274	6.0	21.8
5 1	14 48.46	+ 2 29.6	2.295	3.268	5.5	21.7
5 11	14 40.54	+ 3 17.7	2.306	3.262	6.8	21.8
5 21	14 33.13	+ 3 49.9	2.344	3.255	9.2	21.9
5 31	14 26.86	+ 4 4.3	2.406	3.247	11.6	22.1
6 10	14 22.21	+ 4 1.3	2.489	3.239	13.8	22.2

36977 2000 SK_{320} 5 4.2 160°.02 0°.1/ 4.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 10.37	−18 40.8	2.113	2.959	12.2	20.3
4 11	15 4.74	−18 9.6	2.039	2.964	9.0	20.1
4 21	14 57.29	−17 28.8	1.989	2.969	5.3	19.9
5 1	14 48.74	−16 40.9	1.967	2.973	1.4	19.6
5 11	14 39.98	−15 50.0	1.973	2.977	2.7	19.7
5 21	14 31.90	−15 0.6	2.007	2.980	6.6	20.0
5 31	14 25.26	−14 17.5	2.068	2.983	10.1	20.2
6 10	14 20.58	−13 44.2	2.151	2.985	13.1	20.4

370132 2001 VU_{127} 5 4.2 187°.45 2°.7/ 1.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 10.10	− 9 48.2	2.363	3.218	10.8	23.5
4 11	15 4.35	− 8 57.3	2.287	3.217	7.9	23.3
4 21	14 57.00	− 8 3.4	2.237	3.216	4.8	23.1
5 1	14 48.67	− 7 10.1	2.215	3.214	2.7	22.9
5 11	14 40.14	− 6 22.1	2.222	3.211	4.3	23.1
5 21	14 32.17	− 5 42.9	2.258	3.208	7.4	23.2
5 31	14 25.44	− 5 15.7	2.320	3.204	10.4	23.4
6 10	14 20.43	− 5 1.8	2.404	3.199	13.1	23.6

119887 2002 CH_{252} 5 4.2 137°.00 2°.0/ 2.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 10.23	−12 16.8	2.143	2.999	11.7	20.3
4 11	15 4.50	−11 30.4	2.079	3.011	8.5	20.1
4 21	14 57.08	−10 39.4	2.041	3.022	5.0	19.9
5 1	14 48.68	− 9 47.7	2.030	3.033	2.1	19.7
5 11	14 40.16	− 8 59.7	2.048	3.043	3.9	19.8
5 21	14 32.33	− 8 19.7	2.093	3.053	7.3	20.1
5 31	14 25.90	− 7 50.7	2.165	3.062	10.5	20.3
6 10	14 21.34	− 7 34.7	2.259	3.071	13.3	20.5

153107 2000 SY_{55} 5 4.2 217°.96 1°.3/ 2.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	14 59.78	−10 38.1	4.623	5.475	6.0	20.0
4 11	14 56.28	−10 6.2	4.543	5.473	4.3	19.9
4 21	14 52.07	− 9 32.7	4.491	5.471	2.6	19.7
5 1	14 47.44	− 8 59.5	4.468	5.469	1.3	19.6
5 11	14 42.72	− 8 28.4	4.475	5.467	2.2	19.7
5 21	14 38.24	− 8 0.9	4.511	5.465	3.9	19.8
5 31	14 34.30	− 7 38.6	4.575	5.463	5.6	19.9
6 10	14 31.13	− 7 22.4	4.664	5.461	7.1	20.1

499001 2009 CH_{25} 5 4.2 51°.12 1°.0/ 3.5 15

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 8.85	−14 36.9	1.852	2.714	13.0	21.9
4 11	15 3.74	−14 15.6	1.793	2.728	9.4	21.7
4 21	14 56.73	−13 48.2	1.759	2.742	5.4	21.5
5 1	14 48.61	−13 17.9	1.751	2.757	1.5	21.2
5 11	14 40.35	−12 48.5	1.770	2.772	3.3	21.4
5 21	14 32.87	−12 23.9	1.816	2.787	7.3	21.7
5 31	14 26.96	−12 7.6	1.887	2.802	10.9	21.9
6 10	14 23.11	−12 1.9	1.979	2.817	13.9	22.1

114626 2003 EP_{13} 5 4.2 37.°40 2.°1/ 2.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
4 1	15 5.72	−13 33.4	1.909	2.777	12.4	18.8
4 11	15 1.41	−12 31.6	1.849	2.787	8.9	18.6
4 21	14 55.35	−11 23.3	1.813	2.797	5.2	18.4
5 1	14 48.28	−10 13.5	1.804	2.808	2.2	18.2
5 11	14 41.08	− 9 8.0	1.823	2.819	4.1	18.3
5 21	14 34.61	− 8 12.0	1.868	2.831	7.8	18.6
5 31	14 29.56	− 7 29.5	1.938	2.843	11.2	18.8
6 10	14 26.41	− 7 2.6	2.029	2.855	14.1	19.0

54703 2001 FE_{160} 5 4.2 300.°05 1.°2/ 3.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 8.47	−16 23.7	1.470	2.341	15.2	19.2
4 11	15 4.18	−15 34.7	1.389	2.328	11.2	18.9
4 21	14 57.36	−14 33.1	1.331	2.315	6.5	18.6
5 1	14 48.85	−13 23.2	1.296	2.303	1.8	18.3
5 11	14 39.84	−12 12.1	1.288	2.290	4.2	18.4
5 21	14 31.59	−11 7.4	1.305	2.278	9.3	18.7
5 31	14 25.20	−10 16.1	1.345	2.266	13.9	18.9
6 10	14 21.42	− 9 42.6	1.404	2.254	17.9	19.1

414792 2010 RO_{134} 5 4.2 169.°29 0.°5/ 3.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 12.41	−16 29.8	1.984	2.834	12.7	22.0
4 11	15 6.34	−15 59.9	1.910	2.838	9.3	21.8
4 21	14 58.29	−15 21.6	1.861	2.842	5.5	21.6
5 1	14 49.03	−14 37.9	1.838	2.845	1.3	21.3
5 11	14 39.52	−13 52.8	1.845	2.847	3.1	21.4
5 21	14 30.74	−13 11.0	1.879	2.849	7.2	21.7
5 31	14 23.51	−12 37.0	1.939	2.850	10.9	21.9
6 10	14 18.40	−12 13.8	2.021	2.850	14.0	22.1

330107 2005 XT 5 4.2 199.°33 3.°1/ 1.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 9.70	− 9 8.0	2.228	3.086	11.2	21.5
4 11	15 4.17	− 8 13.7	2.151	3.082	8.2	21.3
4 21	14 56.96	− 7 16.4	2.099	3.078	5.1	21.1
5 1	14 48.70	− 6 20.5	2.075	3.073	3.1	20.9
5 11	14 40.21	− 5 30.6	2.080	3.068	4.8	21.0
5 21	14 32.28	− 4 50.9	2.113	3.062	7.9	21.2
5 31	14 25.64	− 4 24.4	2.172	3.056	11.1	21.4
6 10	14 20.80	− 4 12.6	2.252	3.049	13.8	21.6

427951 2005 WJ_{183} 5 4.2 127.°13 2.°1/ 6.0 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 12.50	−24 30.7	2.288	3.110	12.2	22.7
4 11	15 6.16	−24 16.4	2.221	3.128	9.3	22.5
4 21	14 58.06	−23 49.7	2.178	3.145	6.0	22.3
5 1	14 48.95	−23 11.8	2.162	3.161	2.8	22.2
5 11	14 39.73	−22 25.6	2.175	3.177	2.8	22.2
5 21	14 31.26	−21 35.5	2.217	3.192	5.9	22.4
5 31	14 24.25	−20 46.3	2.287	3.206	9.0	22.6
6 10	14 19.20	−20 2.6	2.380	3.220	11.8	22.8

315202 2007 QN_{12} 5 4.2 201.°67 1.°5/ 4.9 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 22.30	−17 57.1	1.925	2.755	13.9	20.8
4 11	15 13.99	−18 44.1	1.836	2.751	10.4	20.6
4 21	15 3.05	−19 25.4	1.772	2.746	6.4	20.3
5 1	14 50.28	−19 59.6	1.737	2.740	2.3	20.0
5 11	14 36.86	−20 26.3	1.731	2.734	3.2	20.1
5 21	14 24.07	−20 46.8	1.756	2.727	7.5	20.3
5 31	14 13.07	−21 4.2	1.807	2.719	11.5	20.6
6 10	14 4.67	−21 22.1	1.882	2.710	15.0	20.8

109773 2001 RV_{79} 5 4.2 171.°13 0.°8/ 3.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 11.01	−15 43.5	2.159	3.008	11.9	21.0
4 11	15 5.18	−15 7.9	2.084	3.012	8.7	20.8
4 21	14 57.56	−14 25.0	2.034	3.015	5.0	20.6
5 1	14 48.85	−13 37.6	2.011	3.017	1.3	20.3
5 11	14 39.94	−12 50.0	2.018	3.019	3.1	20.4
5 21	14 31.67	−12 6.5	2.053	3.021	6.8	20.7
5 31	14 24.81	−11 31.1	2.114	3.021	10.3	20.9
6 10	14 19.87	−11 6.6	2.198	3.021	13.2	21.1

337847 2001 VE_{95} 5 4.2 134.°04 2.°1/ 1.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 6.75	−11 4.3	2.889	3.741	9.1	21.6
4 11	15 1.60	−10 7.1	2.825	3.755	6.6	21.4
4 21	14 55.27	− 9 7.0	2.788	3.769	3.9	21.3
5 1	14 48.26	− 8 7.4	2.781	3.782	2.1	21.2
5 11	14 41.19	− 7 11.8	2.804	3.795	3.5	21.3
5 21	14 34.62	− 6 23.7	2.856	3.807	6.0	21.5
5 31	14 29.05	− 5 45.6	2.935	3.818	8.5	21.6
6 10	14 24.84	− 5 18.9	3.037	3.830	10.7	21.8

477595 2010 JX_{142} 5 4.2 265.°94 4.°3/ 7.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 9.40	−30 35.8	2.445	3.245	12.2	21.4
4 11	15 4.18	−30 46.9	2.348	3.233	9.8	21.2
4 21	14 57.10	−30 43.6	2.274	3.220	7.2	21.0
5 1	14 48.77	−30 24.9	2.226	3.207	4.9	20.9
5 11	14 40.05	−29 51.9	2.205	3.194	4.4	20.8
5 21	14 31.82	−29 7.9	2.212	3.181	6.3	20.9
5 31	14 24.90	−28 17.5	2.245	3.168	9.1	21.1
6 10	14 19.89	−27 26.4	2.303	3.154	11.8	21.2

428741 2008 RO_{131} 5 4.2 235.°25 3.°2/ 1.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
4 1	15 8.95	− 8 42.9	2.223	3.082	11.2	21.5
4 11	15 3.70	− 7 50.6	2.138	3.070	8.2	21.3
4 21	14 56.74	− 6 55.2	2.078	3.058	5.1	21.0
5 1	14 48.67	− 6 1.2	2.047	3.044	3.2	20.9
5 11	14 40.29	− 5 13.2	2.044	3.031	4.9	21.0
5 21	14 32.43	− 4 35.5	2.068	3.017	8.1	21.1
5 31	14 25.80	− 4 11.2	2.118	3.002	11.3	21.3
6 10	14 20.97	− 4 1.7	2.189	2.987	14.1	21.5

306037 2010 EV_{133} 5 4.2 281.°53 2.°2/ 5.2 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 15.07	−20 8.1	1.356	2.214	17.0	21.3
4 11	15 9.49	−20 35.5	1.275	2.203	12.9	21.0
4 21	15 0.76	−20 51.8	1.215	2.192	8.1	20.7
5 1	14 49.76	−20 56.2	1.178	2.181	3.2	20.4
5 11	14 37.96	−20 50.1	1.167	2.171	4.0	20.4
5 21	14 26.95	−20 37.5	1.180	2.160	9.2	20.6
5 31	14 18.19	−20 24.4	1.217	2.149	14.2	20.9
6 10	14 12.63	−20 16.7	1.272	2.138	18.5	21.1

293586 2007 JA_{9} 5 4.2 199.°14 0.°1/ 4.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 13.20	−18 45.0	1.712	2.563	14.4	21.4
4 11	15 7.29	−18 2.9	1.632	2.560	10.6	21.2
4 21	14 59.03	−17 8.0	1.576	2.556	6.3	20.9
5 1	14 49.26	−16 3.5	1.546	2.552	1.5	20.6
5 11	14 39.13	−14 54.9	1.544	2.547	3.3	20.7
5 21	14 29.80	−13 49.0	1.569	2.541	8.1	21.0
5 31	14 22.28	−12 52.2	1.619	2.535	12.3	21.2
6 10	14 17.21	−12 9.3	1.690	2.528	16.0	21.4

508646 2017 TJ_{11} 5 4.2 240.°86 2.°0/ 5.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 11.59	−22 48.0	2.003	2.838	13.2	21.3
4 11	15 6.00	−22 46.3	1.913	2.828	10.1	21.1
4 21	14 58.26	−22 32.5	1.846	2.817	6.4	20.9
5 1	14 49.08	−22 7.0	1.805	2.806	2.8	20.6
5 11	14 39.46	−21 32.2	1.792	2.795	3.1	20.6
5 21	14 30.42	−20 52.3	1.807	2.783	6.8	20.8
5 31	14 22.92	−20 12.6	1.848	2.771	10.6	21.0
6 10	14 17.62	−19 38.1	1.911	2.759	14.0	21.2

219753 2001 YN_{22} 5 4.2 183.°91 5.°2/30.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 12.58	− 0 37.1	2.248	3.099	11.4	20.6
4 11	15 6.20	− 0 3.2	2.179	3.100	8.7	20.4
4 21	14 58.12	+ 0 26.1	2.135	3.100	6.3	20.3
5 1	14 49.01	+ 0 46.4	2.119	3.099	5.2	20.2
5 11	14 39.68	+ 0 54.3	2.131	3.098	6.5	20.3
5 21	14 30.97	+ 0 47.8	2.170	3.096	9.1	20.4
5 31	14 23.58	+ 0 26.2	2.235	3.093	11.8	20.6
6 10	14 18.04	− 0 9.6	2.321	3.090	14.2	20.8

75320 1999 XV_{45} 5 4.2 42.°06 2.°5/ 5.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 10.16	−24 18.7	1.406	2.259	16.8	19.5
4 11	15 5.43	−23 57.7	1.341	2.266	12.8	19.3
4 21	14 58.05	−23 17.7	1.297	2.272	8.2	19.0
5 1	14 49.01	−22 20.8	1.277	2.279	3.6	18.8
5 11	14 39.69	−21 12.5	1.282	2.286	3.7	18.8
5 21	14 31.42	−20 0.4	1.313	2.294	8.2	19.1
5 31	14 25.27	−18 53.1	1.367	2.302	12.7	19.3
6 10	14 21.90	−17 57.6	1.441	2.310	16.5	19.6

379919 2012 JG_{66} 5 4.2 274.°05 0.°4/ 4.0 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 12.50	−15 44.6	1.894	2.747	13.1	20.0
4 11	15 6.86	−15 36.9	1.792	2.721	9.8	19.8
4 21	14 58.90	−15 21.9	1.714	2.695	5.8	19.5
5 1	14 49.28	−15 1.5	1.663	2.669	1.4	19.1
5 11	14 39.01	−14 38.6	1.639	2.642	3.3	19.2
5 21	14 29.17	−14 17.2	1.643	2.615	7.8	19.4
5 31	14 20.83	−14 1.4	1.673	2.588	12.0	19.6
6 10	14 14.76	−13 54.9	1.723	2.560	15.7	19.8

470457 2007 YH_{67} 5 4.2 135.°72 2.°9/ 2.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 9.41	− 7 26.9	2.368	3.225	10.7	21.6
4 11	15 3.84	− 7 6.6	2.300	3.231	7.8	21.4
4 21	14 56.71	− 6 46.4	2.257	3.236	4.9	21.2
5 1	14 48.66	− 6 29.3	2.243	3.241	2.9	21.1
5 11	14 40.44	− 6 18.1	2.256	3.246	4.3	21.2
5 21	14 32.78	− 6 15.2	2.298	3.251	7.2	21.4
5 31	14 26.34	− 6 22.1	2.366	3.255	10.1	21.6
6 10	14 21.59	− 6 39.4	2.456	3.259	12.6	21.8

161404 2003 UD_{190} 5 4.2 290.°54 1.°3/ 5.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 10.66	−19 58.7	1.867	2.715	13.5	19.9
4 11	15 5.53	−20 3.6	1.772	2.696	10.2	19.6
4 21	14 58.10	−19 58.7	1.700	2.677	6.3	19.4
5 1	14 49.08	−19 44.5	1.653	2.657	2.3	19.1
5 11	14 39.47	−19 23.3	1.634	2.638	3.0	19.1
5 21	14 30.37	−18 58.7	1.641	2.618	7.3	19.3
5 31	14 22.82	−18 35.5	1.674	2.599	11.4	19.5
6 10	14 17.56	−18 18.4	1.728	2.580	15.0	19.7

267344 2001 VY_{120} 5 4.2 128°.17 3°.9/ 1.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
4 1	15 13.81	− 4 29.3	2.183	3.035	11.6	20.5
4 11	15 7.03	− 4 7.5	2.125	3.051	8.6	20.4
4 21	14 58.55	− 3 48.2	2.093	3.066	5.7	20.2
5 1	14 49.11	− 3 34.8	2.089	3.081	3.9	20.1
5 11	14 39.57	− 3 30.3	2.113	3.095	5.3	20.2
5 21	14 30.76	− 3 36.6	2.166	3.109	8.1	20.4
5 31	14 23.39	− 3 54.6	2.245	3.122	11.0	20.6
6 10	14 17.93	− 4 24.0	2.345	3.134	13.5	20.8

432401 2009 YY_{14} 5 4.2 54°.71 1°.1/ 3.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 10.71	−13 57.7	1.755	2.617	13.5	21.1
4 11	15 5.30	−13 46.4	1.689	2.624	9.9	20.9
4 21	14 57.78	−13 29.5	1.647	2.630	5.8	20.6
5 1	14 48.96	−13 9.8	1.630	2.636	1.6	20.4
5 11	14 39.88	−12 50.9	1.641	2.643	3.5	20.5
5 21	14 31.58	−12 36.4	1.678	2.650	7.7	20.8
5 31	14 24.95	−12 29.8	1.740	2.657	11.6	21.0
6 10	14 20.57	−12 33.2	1.823	2.664	14.9	21.3

295284 2008 GY_{94} 5 4.2 239°.03 3°.7/30.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 6.10	− 5 51.2	2.448	3.310	10.2	21.2
4 11	15 1.44	− 5 3.4	2.375	3.307	7.6	21.0
4 21	14 55.33	− 4 15.6	2.328	3.304	5.0	20.8
5 1	14 48.34	− 3 32.0	2.308	3.300	3.7	20.8
5 11	14 41.16	− 2 56.3	2.317	3.297	5.1	20.8
5 21	14 34.47	− 2 31.7	2.353	3.294	7.7	21.0
5 31	14 28.88	− 2 20.2	2.414	3.290	10.4	21.2
6 10	14 24.83	− 2 22.4	2.497	3.287	12.8	21.3

228374 2000 WU_{66} 5 4.2 184°.05 3°.7/ 7.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 11.15	−30 39.0	2.338	3.137	12.7	21.0
4 11	15 5.36	−30 14.7	2.251	3.138	10.1	20.8
4 21	14 57.71	−29 33.0	2.187	3.137	7.1	20.6
5 1	14 48.93	−28 34.4	2.149	3.137	4.4	20.4
5 11	14 39.94	−27 21.9	2.141	3.136	3.9	20.4
5 21	14 31.63	−26 0.6	2.161	3.134	6.1	20.5
5 31	14 24.78	−24 37.0	2.208	3.132	9.1	20.7
6 10	14 19.93	−23 17.4	2.280	3.129	12.0	20.9

176066 2000 VF_{44} 5 4.2 102°.42 1°.6/ 5.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 7.40	−24 36.1	2.378	3.206	11.6	19.8
4 11	15 2.45	−23 54.9	2.304	3.215	8.8	19.6
4 21	14 55.92	−23 0.7	2.254	3.224	5.6	19.5
5 1	14 48.48	−21 55.5	2.231	3.233	2.4	19.3
5 11	14 40.91	−20 43.6	2.238	3.241	2.5	19.3
5 21	14 33.99	−19 29.8	2.273	3.250	5.6	19.5
5 31	14 28.35	−18 19.6	2.336	3.258	8.8	19.7
6 10	14 24.46	−17 17.4	2.423	3.267	11.5	19.9

407891 2012 BA_{112} 5 4.2 134°.24 2°.4/ 5.9 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 14.61	−24 27.4	1.897	2.725	14.1	22.3
4 11	15 8.07	−24 18.4	1.829	2.739	10.7	22.1
4 21	14 59.36	−23 54.9	1.784	2.752	6.9	21.9
5 1	14 49.34	−23 17.9	1.766	2.765	3.3	21.7
5 11	14 39.14	−22 30.7	1.775	2.777	3.3	21.7
5 21	14 29.82	−21 38.4	1.813	2.788	6.9	21.9
5 31	14 22.29	−20 47.2	1.876	2.799	10.5	22.2
6 10	14 17.11	−20 2.6	1.962	2.809	13.7	22.4

504500 2008 KF_{30} 5 4.2 299°.24 6°.9/28.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 6.84	− 3 51.0	1.566	2.445	13.9	21.1
4 11	15 2.82	− 2 9.2	1.487	2.425	10.7	20.9
4 21	14 56.52	− 0 25.1	1.432	2.405	7.8	20.6
5 1	14 48.69	+ 1 12.3	1.401	2.384	7.0	20.5
5 11	14 40.39	+ 2 33.4	1.397	2.364	9.2	20.6
5 21	14 32.72	+ 3 31.0	1.416	2.344	12.7	20.8
5 31	14 26.68	+ 4 1.1	1.456	2.324	16.4	20.9
6 10	14 22.97	+ 4 3.6	1.514	2.305	19.6	21.1

87162 2000 NM_{25} 5 4.2 257°.89 1°.6/ 3.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 10.51	−13 19.3	1.883	2.743	12.9	19.9
4 11	15 5.22	−12 50.6	1.796	2.729	9.4	19.7
4 21	14 57.82	−12 15.7	1.733	2.715	5.6	19.4
5 1	14 49.01	−11 37.9	1.696	2.701	1.9	19.1
5 11	14 39.76	−11 1.3	1.687	2.687	3.9	19.2
5 21	14 31.09	−10 30.7	1.706	2.672	8.0	19.5
5 31	14 23.93	−10 9.9	1.749	2.658	12.0	19.7
6 10	14 18.92	−10 1.8	1.813	2.642	15.4	19.8

294468 2007 VH_{326} 5 4.2 227°.14 1°.3/ 3.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 8.23	−13 34.2	2.292	3.147	11.1	21.1
4 11	15 3.15	−13 4.4	2.211	3.142	8.1	20.9
4 21	14 56.41	−12 29.3	2.154	3.136	4.7	20.7
5 1	14 48.63	−11 51.9	2.125	3.130	1.6	20.4
5 11	14 40.59	−11 15.8	2.125	3.124	3.3	20.5
5 21	14 33.07	−10 44.5	2.153	3.118	6.7	20.7
5 31	14 26.78	−10 21.4	2.206	3.112	10.0	20.9
6 10	14 22.23	−10 8.7	2.283	3.105	12.8	21.1

103880 2000 DG_{49} 5 4.2 324°.38 3°.7/ 2.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
4 1	15 7.05	−10 39.8	1.314	2.199	15.6	19.5
4 11	15 3.38	− 9 50.8	1.236	2.182	11.6	19.2
4 21	14 57.04	− 8 55.0	1.180	2.166	7.1	18.9
5 1	14 48.85	− 7 58.9	1.148	2.150	3.7	18.6
5 11	14 40.09	− 7 9.9	1.140	2.135	6.2	18.7
5 21	14 32.08	− 6 34.9	1.155	2.121	11.0	18.9
5 31	14 26.02	− 6 18.9	1.191	2.108	15.7	19.2
6 10	14 22.71	− 6 24.1	1.245	2.095	19.8	19.4

404599 2013 WN_{7} 5 4.2 220°.60 0°.1/ 4.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 10.94	−17 44.2	2.020	2.868	12.6	21.6
4 11	15 5.39	−17 30.3	1.937	2.863	9.3	21.3
4 21	14 57.85	−17 8.0	1.878	2.858	5.5	21.1
5 1	14 49.01	−16 39.0	1.846	2.852	1.4	20.8
5 11	14 39.82	−16 6.6	1.842	2.846	2.8	20.9
5 21	14 31.24	−15 34.8	1.866	2.839	6.9	21.1
5 31	14 24.14	−15 7.9	1.915	2.832	10.6	21.3
6 10	14 19.11	−14 49.5	1.987	2.825	13.9	21.5

462220 2007 WQ_{6} 5 4.3 172°.46 0°.9/ 4.9 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 15.24	−19 32.3	2.009	2.846	13.1	22.5
4 11	15 8.51	−19 30.0	1.931	2.850	9.8	22.2
4 21	14 59.65	−19 18.2	1.878	2.854	5.9	22.0
5 1	14 49.46	−18 57.8	1.852	2.856	1.9	21.7
5 11	14 38.94	−18 31.7	1.854	2.858	2.8	21.8
5 21	14 29.15	−18 3.5	1.886	2.859	6.8	22.1
5 31	14 20.99	−17 37.7	1.943	2.859	10.6	22.3
6 10	14 15.05	−17 18.5	2.023	2.859	13.8	22.5

375244 2008 GV_{36} 5 4.3 15°.70 2°.1/30.9 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 0.15	− 7 47.3	4.005	4.862	6.7	20.7
4 11	14 56.66	− 6 56.9	3.932	4.863	4.9	20.5
4 21	14 52.37	− 6 5.8	3.887	4.865	3.1	20.4
5 1	14 47.61	− 5 16.4	3.872	4.867	2.1	20.3
5 11	14 42.76	− 4 31.3	3.886	4.868	3.1	20.4
5 21	14 38.19	− 3 52.4	3.930	4.870	4.9	20.5
5 31	14 34.25	− 3 21.5	4.000	4.872	6.7	20.7
6 10	14 31.20	− 2 59.7	4.093	4.874	8.3	20.8

102313 1999 TS_{98} 5 4.3 230°.48 1°.6/ 3.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 13.12	−13 4.8	1.896	2.751	13.0	20.0
4 11	15 7.13	−12 41.6	1.809	2.740	9.6	19.8
4 21	14 58.95	−12 12.7	1.746	2.728	5.6	19.5
5 1	14 49.31	−11 41.1	1.710	2.715	1.9	19.3
5 11	14 39.21	−11 10.8	1.702	2.702	3.9	19.4
5 21	14 29.72	−10 45.9	1.722	2.688	8.1	19.6
5 31	14 21.78	−10 30.3	1.767	2.673	12.0	19.8
6 10	14 16.06	−10 26.6	1.833	2.658	15.4	20.0

170912 2004 XG_{102} 5 4.3 234°.83 0°.7/ 4.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 15.36	−18 9.3	1.682	2.532	14.6	20.5
4 11	15 9.13	−18 15.8	1.596	2.522	11.0	20.2
4 21	15 0.30	−18 13.3	1.532	2.511	6.7	19.9
5 1	14 49.67	−18 2.4	1.494	2.500	2.0	19.6
5 11	14 38.44	−17 45.6	1.484	2.488	3.3	19.7
5 21	14 27.87	−17 26.9	1.500	2.476	8.1	19.9
5 31	14 19.15	−17 11.1	1.542	2.463	12.5	20.1
6 10	14 13.05	−17 2.8	1.604	2.449	16.3	20.3

129455 1992 BR_{2} 5 4.3 103°.26 1°.6/ 5.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 11.77	−23 24.2	2.166	2.995	12.6	20.4
4 11	15 5.65	−22 58.6	2.106	3.018	9.4	20.2
4 21	14 57.79	−22 20.7	2.070	3.041	5.9	20.1
5 1	14 48.95	−21 32.4	2.062	3.063	2.4	19.9
5 11	14 40.07	−20 37.5	2.082	3.085	2.6	19.9
5 21	14 31.99	−19 40.8	2.131	3.106	6.0	20.2
5 31	14 25.44	−18 47.4	2.207	3.127	9.3	20.4
6 10	14 20.86	−18 1.6	2.306	3.147	12.1	20.6

349307 2007 UT_{42} 5 4.3 59°.89 13°.1/22.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 11.11	+25 52.5	2.170	2.942	14.4	19.9
4 11	15 5.08	+26 58.0	2.150	2.957	13.5	19.9
4 21	14 57.39	+27 39.1	2.150	2.972	13.1	19.9
5 1	14 48.84	+27 50.3	2.171	2.988	13.3	19.9
5 11	14 40.34	+27 29.7	2.213	3.003	14.0	20.0
5 21	14 32.71	+26 38.6	2.273	3.019	15.0	20.1
5 31	14 26.62	+25 20.7	2.352	3.035	16.1	20.2
6 10	14 22.47	+23 41.4	2.446	3.051	17.2	20.4

63206 2000 YF_{143} 5 4.3 115°.90 0°.3/ 4.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 10.00	−20 22.9	2.189	3.030	12.1	19.7
4 11	15 4.35	−19 36.3	2.125	3.047	8.9	19.6
4 21	14 57.04	−18 38.9	2.085	3.063	5.3	19.4
5 1	14 48.77	−17 33.8	2.073	3.079	1.4	19.1
5 11	14 40.44	−16 25.6	2.090	3.094	2.5	19.2
5 21	14 32.84	−15 19.5	2.136	3.109	6.2	19.5
5 31	14 26.66	−14 20.5	2.209	3.124	9.5	19.7
6 10	14 22.37	−13 32.3	2.305	3.138	12.4	19.9

308486 2005 TE_{87} 5 4.3 312°.33 1°.7/ 2.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
4 1	15 6.03	−13 25.1	2.190	3.051	11.3	20.5
4 11	15 1.59	−12 38.0	2.113	3.047	8.2	20.3
4 21	14 55.52	−11 44.8	2.060	3.043	4.8	20.1
5 1	14 48.43	−10 49.4	2.034	3.038	1.8	19.9
5 11	14 41.11	− 9 56.3	2.036	3.034	3.6	20.0
5 21	14 34.34	− 9 9.9	2.066	3.030	7.1	20.2
5 31	14 28.81	− 8 34.0	2.122	3.026	10.4	20.4
6 10	14 25.02	− 8 10.9	2.199	3.022	13.2	20.6

333825 2012 HZ_{70} 5 4.3 178°.44 1°.4/ 3.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 15.39	−11 38.2	2.087	2.936	12.2	21.0
4 11	15 8.50	−11 42.1	2.010	2.938	9.0	20.8
4 21	14 59.62	−11 43.5	1.958	2.939	5.3	20.5
5 1	14 49.47	−11 44.2	1.934	2.939	1.7	20.3
5 11	14 39.00	−11 46.5	1.940	2.939	3.4	20.4
5 21	14 29.17	−11 52.6	1.974	2.939	7.2	20.6
5 31	14 20.85	−12 4.7	2.034	2.938	10.8	20.9
6 10	14 14.62	−12 24.3	2.117	2.936	13.8	21.1

453917 2011 WA_{16} 5 4.3 98°.66 1°.3/ 3.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 13.68	−15 4.1	1.569	2.430	14.9	21.9
4 11	15 7.51	−14 26.1	1.516	2.450	10.8	21.7
4 21	14 59.06	−13 40.1	1.486	2.469	6.3	21.5
5 1	14 49.30	−12 50.2	1.481	2.487	1.8	21.3
5 11	14 39.47	−12 2.2	1.504	2.505	3.9	21.4
5 21	14 30.68	−11 21.3	1.554	2.523	8.4	21.7
5 31	14 23.85	−10 52.2	1.627	2.541	12.4	22.0
6 10	14 19.51	−10 37.4	1.722	2.557	15.8	22.3

502855 2015 DB_{180} 5 4.3 99°.84 4°.2/ 7.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 11.33	−29 53.1	1.924	2.738	14.5	20.6
4 11	15 5.79	−29 45.6	1.853	2.748	11.5	20.4
4 21	14 58.09	−29 19.7	1.804	2.759	8.1	20.3
5 1	14 49.08	−28 35.5	1.781	2.769	5.0	20.1
5 11	14 39.87	−27 36.1	1.784	2.779	4.4	20.1
5 21	14 31.52	−26 27.1	1.814	2.789	6.9	20.2
5 31	14 24.91	−25 15.6	1.871	2.799	10.2	20.5
6 10	14 20.61	−24 8.5	1.950	2.809	13.3	20.7

3379 Oishi 5 4.3 119°.85 1°.8/ 3.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 12.85	−13 42.8	1.639	2.501	14.3	17.1
4 11	15 6.91	−13 3.5	1.579	2.513	10.4	16.9
4 21	14 58.74	−12 17.5	1.542	2.525	6.1	16.6
5 1	14 49.25	−11 28.9	1.531	2.536	2.1	16.4
5 11	14 39.58	−10 43.1	1.547	2.547	4.2	16.6
5 21	14 30.85	−10 5.5	1.590	2.557	8.5	16.8
5 31	14 23.96	− 9 40.0	1.658	2.567	12.5	17.1
6 10	14 19.46	− 9 29.1	1.746	2.577	15.8	17.3

270572 2002 JC_{69} 5 4.3 36°.96 6°.1/ 1.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 10.72	− 3 8.9	1.324	2.205	15.9	19.5
4 11	15 5.51	− 2 31.7	1.286	2.225	11.9	19.3
4 21	14 57.93	− 2 0.3	1.270	2.246	8.1	19.1
5 1	14 49.03	− 1 40.9	1.277	2.268	6.1	19.1
5 11	14 40.11	− 1 38.1	1.309	2.291	7.8	19.2
5 21	14 32.35	− 1 53.9	1.364	2.314	11.3	19.5
5 31	14 26.63	− 2 28.1	1.441	2.338	14.8	19.8
6 10	14 23.47	− 3 18.4	1.537	2.362	17.9	20.0

419720 2010 VY_{19} 5 4.3 94°.01 2°.8/ 2.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 11.57	−10 13.0	1.770	2.634	13.3	20.8
4 11	15 5.78	− 9 38.0	1.714	2.649	9.7	20.6
4 21	14 58.00	− 9 0.4	1.682	2.664	5.8	20.4
5 1	14 49.07	− 8 24.3	1.677	2.678	2.9	20.3
5 11	14 40.00	− 7 54.4	1.698	2.693	4.7	20.4
5 21	14 31.80	− 7 34.3	1.747	2.707	8.4	20.7
5 31	14 25.26	− 7 26.8	1.820	2.721	12.0	20.9
6 10	14 20.91	− 7 32.8	1.913	2.735	15.0	21.1

445125 2008 UD_{286} 5 4.3 113°.20 1°.0/ 3.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 4.02	−13 5.4	3.415	4.264	7.9	22.2
4 11	14 59.58	−12 38.8	3.346	4.274	5.7	22.0
4 21	14 54.12	−12 9.2	3.304	4.285	3.3	21.9
5 1	14 48.09	−11 38.8	3.290	4.295	1.2	21.7
5 11	14 41.96	−11 9.7	3.306	4.305	2.3	21.8
5 21	14 36.21	−10 44.2	3.352	4.315	4.7	22.0
5 31	14 31.27	−10 24.1	3.425	4.324	7.0	22.2
6 10	14 27.45	−10 11.0	3.522	4.334	9.0	22.3

483571 2004 DU_{1} 5 4.3 129°.30 18°.3/19.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 13.83	+18 22.5	1.154	1.999	20.3	20.9
4 11	15 8.22	+21 29.5	1.135	2.008	18.8	20.8
4 21	14 59.70	+24 3.1	1.135	2.017	18.3	20.8
5 1	14 49.49	+25 48.4	1.154	2.025	19.1	20.9
5 11	14 39.21	+26 37.9	1.191	2.033	20.7	21.0
5 21	14 30.30	+26 32.9	1.243	2.040	22.6	21.2
5 31	14 23.87	+25 39.9	1.308	2.047	24.5	21.4
6 10	14 20.47	+24 9.4	1.384	2.053	26.2	21.6

180149 2003 GK_{15} 5 4.3 20°.72 3°.3/ 6.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
4 1	15 11.00	−25 16.9	2.067	2.894	13.2	20.0
4 11	15 5.52	−25 44.9	1.990	2.896	10.2	19.8
4 21	14 57.98	−26 1.0	1.935	2.899	6.9	19.6
5 1	14 49.10	−26 4.3	1.907	2.901	4.0	19.4
5 11	14 39.86	−25 56.1	1.907	2.904	3.8	19.4
5 21	14 31.25	−25 39.2	1.933	2.908	6.6	19.5
5 31	14 24.17	−25 18.0	1.985	2.911	9.9	19.8
6 10	14 19.24	−24 57.4	2.060	2.915	12.8	19.9

111625 2002 AX_{127} 5 4.3 74°.51 1°.1/ 3.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 7.93	−14 10.1	2.257	3.112	11.2	20.0
4 11	15 2.85	−13 45.7	2.194	3.125	8.1	19.8
4 21	14 56.19	−13 16.2	2.155	3.137	4.7	19.7
5 1	14 48.62	−12 44.6	2.144	3.150	1.4	19.4
5 11	14 40.91	−12 14.0	2.162	3.162	3.0	19.6
5 21	14 33.83	−11 48.0	2.207	3.175	6.4	19.8
5 31	14 28.03	−11 29.3	2.278	3.187	9.6	20.0
6 10	14 23.95	−11 20.1	2.372	3.200	12.3	20.2

147173 2002 VP_{34} 5 4.3 261°.77 1°.2/ 3.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 12.33	−14 26.8	1.851	2.707	13.2	20.0
4 11	15 6.74	−14 5.3	1.755	2.686	9.8	19.7
4 21	14 58.84	−13 36.7	1.683	2.665	5.8	19.4
5 1	14 49.35	−13 3.4	1.638	2.643	1.6	19.1
5 11	14 39.29	−12 29.7	1.620	2.621	3.7	19.2
5 21	14 29.73	−11 59.8	1.629	2.598	8.1	19.4
5 31	14 21.72	−11 38.4	1.664	2.575	12.3	19.6
6 10	14 15.98	−11 28.8	1.720	2.552	16.0	19.8

475490 2006 SS_{260} 5 4.3 254°.01 1°.9/ 5.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 9.99	−22 54.8	2.433	3.261	11.4	22.2
4 11	15 4.58	−22 56.1	2.335	3.246	8.7	22.0
4 21	14 57.37	−22 47.4	2.261	3.230	5.6	21.8
5 1	14 48.96	−22 28.9	2.214	3.215	2.6	21.5
5 11	14 40.15	−22 2.6	2.196	3.199	2.7	21.5
5 21	14 31.78	−21 31.4	2.207	3.182	5.9	21.7
5 31	14 24.63	−20 59.4	2.244	3.165	9.1	21.9
6 10	14 19.28	−20 30.7	2.305	3.148	12.1	22.0

425571 2010 SL_{35} 5 4.3 232°.99 1°.4/ 3.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 12.37	−14 21.4	1.986	2.839	12.6	22.1
4 11	15 6.53	−13 45.2	1.895	2.825	9.3	21.9
4 21	14 58.60	−13 1.5	1.828	2.810	5.4	21.6
5 1	14 49.27	−12 13.3	1.789	2.794	1.7	21.3
5 11	14 39.51	−11 25.4	1.778	2.778	3.7	21.4
5 21	14 30.30	−10 42.4	1.795	2.760	7.8	21.6
5 31	14 22.57	−10 8.9	1.837	2.742	11.7	21.8
6 10	14 16.97	− 9 48.2	1.902	2.724	15.0	22.0

216914 1084 $T\text{-}_{2}$ 5 4.3 284°.64 0°.0/ 4.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 11.11	−18 1.8	1.573	2.434	14.9	20.8
4 11	15 6.26	−17 37.6	1.477	2.409	11.2	20.5
4 21	14 58.77	−17 0.9	1.402	2.384	6.7	20.2
5 1	14 49.37	−16 13.9	1.353	2.359	1.7	19.8
5 11	14 39.24	−15 21.4	1.330	2.334	3.6	19.9
5 21	14 29.67	−14 29.6	1.332	2.308	8.8	20.1
5 31	14 21.88	−13 45.3	1.359	2.283	13.6	20.3
6 10	14 16.74	−13 14.0	1.405	2.257	17.8	20.5

484039 2006 EC_{26} 5 4.3 132°.78 2°.7/ 8.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 2.79	−31 6.4	4.512	5.293	7.3	21.4
4 11	14 58.63	−31 10.1	4.423	5.295	5.9	21.3
4 21	14 53.57	−31 5.5	4.359	5.297	4.3	21.2
5 1	14 47.97	−30 52.6	4.323	5.298	3.0	21.1
5 11	14 42.24	−30 32.5	4.316	5.300	2.7	21.1
5 21	14 36.79	−30 6.6	4.337	5.302	3.7	21.2
5 31	14 31.99	−29 37.1	4.387	5.303	5.2	21.3
6 10	14 28.16	−29 6.3	4.462	5.305	6.7	21.4

80587 2000 AU_{131} 5 4.3 99°.75 1°.7/ 5.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 13.13	−22 3.3	1.659	2.504	15.0	19.6
4 11	15 7.21	−21 50.3	1.597	2.518	11.3	19.4
4 21	14 58.97	−21 23.4	1.557	2.532	7.0	19.2
5 1	14 49.34	−20 44.4	1.543	2.546	2.7	19.0
5 11	14 39.51	−19 57.5	1.556	2.560	3.2	19.0
5 21	14 30.65	−19 8.4	1.595	2.573	7.4	19.3
5 31	14 23.71	−18 23.1	1.660	2.586	11.4	19.6
6 10	14 19.26	−17 46.9	1.746	2.599	14.9	19.8

470067 2006 SH_{261} 5 4.3 144°.09 2°.7/ 6.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 11.04	−25 35.0	2.568	3.383	11.3	22.1
4 11	15 5.15	−25 49.0	2.489	3.390	8.7	21.9
4 21	14 57.60	−25 52.3	2.435	3.396	5.9	21.8
5 1	14 49.00	−25 44.7	2.408	3.402	3.3	21.6
5 11	14 40.16	−25 27.7	2.410	3.408	3.1	21.6
5 21	14 31.86	−25 3.9	2.441	3.414	5.6	21.8
5 31	14 24.83	−24 37.2	2.499	3.419	8.4	21.9
6 10	14 19.56	−24 11.4	2.581	3.424	10.9	22.1

292371 2006 SM_{251} 5 4.3 331°.84 1°.0/ 3.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
4 1	15 6.52	−16 27.1	1.196	2.081	16.9	20.4
4 11	15 3.29	−15 54.1	1.120	2.065	12.6	20.1
4 21	14 57.14	−15 7.8	1.064	2.051	7.4	19.7
5 1	14 48.97	−14 12.3	1.031	2.038	1.9	19.3
5 11	14 40.16	−13 14.8	1.021	2.025	4.5	19.5
5 21	14 32.19	−12 23.3	1.034	2.013	10.2	19.7
5 31	14 26.38	−11 45.4	1.068	2.003	15.4	20.0
6 10	14 23.57	−11 25.9	1.120	1.994	19.9	20.2

38017 1998 KW_{67} 5 4.3 284°.67 7°.2/27.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 7.12	− 0 32.6	1.842	2.712	12.6	18.8
4 11	15 2.73	+ 1 5.6	1.765	2.693	9.9	18.6
4 21	14 56.37	+ 2 42.3	1.712	2.675	7.7	18.5
5 1	14 48.73	+ 4 9.3	1.685	2.656	7.3	18.4
5 11	14 40.71	+ 5 18.9	1.685	2.637	9.1	18.4
5 21	14 33.24	+ 6 5.7	1.709	2.619	12.0	18.6
5 31	14 27.18	+ 6 27.0	1.754	2.600	15.1	18.7
6 10	14 23.14	+ 6 23.3	1.818	2.581	17.8	18.9

17497 1992 DO_{6} 5 4.3 255°.24 1°.4/ 3.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 7.55	−13 11.0	2.340	3.196	10.8	18.8
4 11	15 2.67	−12 42.2	2.257	3.189	7.9	18.6
4 21	14 56.18	−12 8.7	2.199	3.181	4.6	18.4
5 1	14 48.66	−11 33.2	2.169	3.174	1.6	18.2
5 11	14 40.88	−10 59.2	2.167	3.166	3.3	18.3
5 21	14 33.59	−10 30.1	2.193	3.158	6.6	18.5
5 31	14 27.49	−10 9.2	2.245	3.150	9.9	18.7
6 10	14 23.07	− 9 58.5	2.319	3.142	12.7	18.9

322489 2011 UJ_{269} 5 4.3 236°.95 0°.9/ 3.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 6.59	−15 53.1	2.445	3.297	10.6	21.1
4 11	15 1.90	−15 7.5	2.361	3.291	7.7	20.9
4 21	14 55.69	−14 14.6	2.302	3.284	4.5	20.7
5 1	14 48.53	−13 17.4	2.271	3.277	1.2	20.4
5 11	14 41.16	−12 19.9	2.269	3.270	2.9	20.5
5 21	14 34.27	−11 26.6	2.296	3.263	6.3	20.8
5 31	14 28.53	−10 41.1	2.349	3.256	9.4	20.9
6 10	14 24.39	−10 6.5	2.425	3.249	12.2	21.1

136425 2005 CQ_{58} 5 4.3 37°.18 0°.9/ 3.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 11.25	−15 30.7	1.332	2.206	16.3	19.8
4 11	15 6.28	−15 9.2	1.272	2.211	12.0	19.6
4 21	14 58.63	−14 38.5	1.232	2.217	7.0	19.3
5 1	14 49.30	−14 2.2	1.216	2.223	1.8	19.0
5 11	14 39.65	−13 25.8	1.226	2.229	4.1	19.2
5 21	14 31.02	−12 55.1	1.260	2.236	9.2	19.5
5 31	14 24.52	−12 35.1	1.317	2.243	13.8	19.7
6 10	14 20.83	−12 29.2	1.393	2.250	17.7	20.0

376290 2011 FT_{89} 5 4.3 200°.23 2°.6/ 2.0 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 8.39	−12 27.9	1.938	2.801	12.4	20.9
4 11	15 3.48	−11 16.5	1.864	2.800	9.0	20.7
4 21	14 56.71	− 9 58.2	1.815	2.798	5.4	20.5
5 1	14 48.80	− 8 38.3	1.794	2.796	2.7	20.3
5 11	14 40.66	− 7 23.0	1.801	2.794	4.7	20.4
5 21	14 33.18	− 6 18.4	1.834	2.792	8.3	20.6
5 31	14 27.16	− 5 28.8	1.893	2.789	11.9	20.8
6 10	14 23.11	− 4 56.7	1.973	2.786	14.9	21.0

350119 2011 QN_{55} 5 4.3 309°.81 1°.8/ 2.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 6.35	−14 10.1	2.022	2.885	12.0	20.3
4 11	15 1.98	−13 13.6	1.944	2.879	8.7	20.0
4 21	14 55.84	−12 9.5	1.889	2.873	5.1	19.8
5 1	14 48.59	−11 2.1	1.862	2.867	1.9	19.6
5 11	14 41.08	− 9 56.7	1.863	2.861	3.8	19.7
5 21	14 34.16	− 8 58.7	1.892	2.856	7.6	19.9
5 31	14 28.58	− 8 12.6	1.945	2.851	11.1	20.1
6 10	14 24.88	− 7 41.2	2.019	2.845	14.1	20.3

385418 2003 BV_{63} 5 4.3 66°.38 9°.3/26.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 9.04	+11 6.0	2.084	2.923	12.6	20.5
4 11	15 3.63	+12 9.0	2.048	2.939	10.7	20.4
4 21	14 56.63	+12 57.5	2.035	2.954	9.5	20.3
5 1	14 48.75	+13 25.7	2.046	2.969	9.4	20.3
5 11	14 40.83	+13 30.4	2.082	2.985	10.4	20.4
5 21	14 33.67	+13 11.0	2.141	3.000	12.1	20.6
5 31	14 27.90	+12 29.0	2.222	3.016	14.0	20.7
6 10	14 23.96	+11 28.1	2.321	3.032	15.7	20.9

357986 2006 CM_{49} 5 4.3 109°.02 1°.4/ 5.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 16.28	−21 7.5	1.568	2.413	15.7	21.7
4 11	15 9.55	−20 54.1	1.511	2.433	11.7	21.5
4 21	15 0.35	−20 27.1	1.477	2.453	7.2	21.3
5 1	14 49.70	−19 48.4	1.468	2.472	2.5	21.1
5 11	14 38.92	−19 2.4	1.486	2.490	3.2	21.2
5 21	14 29.27	−18 15.3	1.531	2.508	7.8	21.5
5 31	14 21.72	−17 33.1	1.601	2.525	11.9	21.8
6 10	14 16.85	−17 0.9	1.692	2.541	15.4	22.0

296499 2009 JO_{15} 5 4.3 301°.61 4°.1/27.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
4 1	15 0.16	+ 3 11.2	4.160	5.009	6.6	20.6
4 11	14 56.68	+ 4 5.1	4.093	5.004	5.3	20.5
4 21	14 52.43	+ 4 55.1	4.053	5.000	4.3	20.4
5 1	14 47.71	+ 5 38.7	4.042	4.995	4.1	20.4
5 11	14 42.89	+ 6 13.3	4.058	4.991	4.9	20.4
5 21	14 38.33	+ 6 37.6	4.102	4.986	6.2	20.5
5 31	14 34.36	+ 6 50.5	4.170	4.982	7.6	20.6
6 10	14 31.23	+ 6 52.2	4.260	4.978	8.9	20.7

307997 2004 RU_{74} 5 4.3 230°.03 0°.7/ 4.7 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 15.27	−18 43.3	1.757	2.603	14.3	21.2
4 11	15 9.02	−18 39.8	1.667	2.591	10.7	21.0
4 21	15 0.25	−18 26.2	1.601	2.579	6.5	20.7
5 1	14 49.75	−18 3.6	1.561	2.566	1.9	20.3
5 11	14 38.67	−17 34.8	1.549	2.553	3.2	20.4
5 21	14 28.24	−17 4.3	1.564	2.538	7.8	20.6
5 31	14 19.57	−16 37.4	1.604	2.523	12.2	20.9
6 10	14 13.42	−16 18.7	1.665	2.507	16.0	21.1

174058 2002 CD_{160} 5 4.3 64°.39 7°.3/28.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 9.18	+ 5 36.3	2.136	2.987	11.9	19.9
4 11	15 3.69	+ 6 23.2	2.094	3.004	9.6	19.8
4 21	14 56.65	+ 6 59.9	2.077	3.022	7.8	19.7
5 1	14 48.76	+ 7 21.5	2.085	3.039	7.4	19.7
5 11	14 40.83	+ 7 24.8	2.119	3.057	8.5	19.8
5 21	14 33.62	+ 7 8.8	2.179	3.075	10.4	20.0
5 31	14 27.77	+ 6 34.3	2.261	3.093	12.6	20.2
6 10	14 23.69	+ 5 43.8	2.364	3.110	14.6	20.4

200646 2001 SX_{317} 5 4.3 122°.01 1°.0/ 4.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 15.72	−19 49.9	1.566	2.416	15.5	21.4
4 11	15 9.24	−19 42.4	1.504	2.429	11.6	21.2
4 21	15 0.24	−19 22.7	1.463	2.442	7.0	21.0
5 1	14 49.70	−18 52.6	1.449	2.454	2.2	20.7
5 11	14 38.92	−18 16.1	1.461	2.466	3.2	20.8
5 21	14 29.17	−17 38.6	1.500	2.477	7.9	21.1
5 31	14 21.48	−17 5.7	1.564	2.487	12.2	21.4
6 10	14 16.48	−16 42.3	1.648	2.498	15.8	21.6

202230 2004 YG_{13} 5 4.3 300°.93 3°.9/ 1.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 9.10	− 7 3.9	1.853	2.721	12.7	20.1
4 11	15 4.10	− 6 25.5	1.781	2.716	9.4	19.8
4 21	14 57.14	− 5 46.5	1.732	2.711	6.0	19.6
5 1	14 48.93	− 5 11.5	1.710	2.707	3.9	19.5
5 11	14 40.42	− 4 45.4	1.715	2.702	5.6	19.6
5 21	14 32.56	− 4 31.6	1.745	2.698	9.1	19.8
5 31	14 26.19	− 4 32.6	1.800	2.693	12.5	20.0
6 10	14 21.88	− 4 48.8	1.875	2.689	15.5	20.2

66918 1999 VY_{176} 5 4.3 196°.79 1°.7/ 2.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 9.45	−12 26.5	2.468	3.319	10.5	20.9
4 11	15 3.94	−11 49.1	2.387	3.316	7.6	20.7
4 21	14 56.88	−11 7.3	2.331	3.312	4.5	20.5
5 1	14 48.85	−10 24.1	2.305	3.308	1.8	20.3
5 11	14 40.60	− 9 43.1	2.307	3.304	3.4	20.4
5 21	14 32.86	− 9 7.9	2.338	3.298	6.6	20.6
5 31	14 26.28	− 8 41.5	2.396	3.292	9.7	20.8
6 10	14 21.35	− 8 25.9	2.476	3.286	12.3	21.0

353723 2011 WK_{33} 5 4.3 308°.08 3°.4/ 1.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 9.12	− 6 14.6	2.171	3.032	11.3	20.2
4 11	15 3.89	− 5 57.4	2.093	3.025	8.4	20.0
4 21	14 56.94	− 5 41.2	2.040	3.018	5.4	19.8
5 1	14 48.88	− 5 29.4	2.014	3.011	3.4	19.6
5 11	14 40.53	− 5 25.0	2.016	3.004	4.9	19.7
5 21	14 32.71	− 5 30.3	2.046	2.998	7.9	19.9
5 31	14 26.17	− 5 46.9	2.100	2.991	11.1	20.1
6 10	14 21.44	− 6 15.0	2.176	2.985	13.8	20.3

271166 2003 SE_{243} 5 4.3 325°.45 0°.8/ 4.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 7.89	−19 17.4	1.542	2.406	15.0	20.9
4 11	15 3.82	−19 5.6	1.458	2.391	11.2	20.6
4 21	14 57.27	−18 41.6	1.396	2.377	6.8	20.3
5 1	14 49.01	−18 7.3	1.358	2.363	2.0	20.0
5 11	14 40.21	−17 26.7	1.345	2.350	3.3	20.0
5 21	14 32.09	−16 45.4	1.358	2.338	8.2	20.3
5 31	14 25.75	−16 9.6	1.394	2.326	12.7	20.5
6 10	14 21.96	−15 44.3	1.450	2.315	16.7	20.7

33140 1998 DF_{3} 5 4.3 285°.69 9°.6/27.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 10.88	+ 7 24.8	1.738	2.592	14.0	17.5
4 11	15 5.55	+ 8 29.0	1.671	2.579	11.7	17.3
4 21	14 58.06	+ 9 21.2	1.625	2.566	10.0	17.1
5 1	14 49.18	+ 9 54.0	1.605	2.552	9.7	17.1
5 11	14 39.93	+10 1.5	1.608	2.539	11.1	17.1
5 21	14 31.37	+ 9 41.6	1.634	2.526	13.6	17.3
5 31	14 24.41	+ 8 54.8	1.682	2.512	16.3	17.4
6 10	14 19.68	+ 7 44.9	1.747	2.499	18.8	17.6

330522 2007 TO_{127} 5 4.3 222°.60 0°.7/ 3.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
4 1	15 3.51	−13 59.9	3.877	4.722	7.2	22.1
4 11	14 59.19	−13 35.1	3.787	4.713	5.2	22.0
4 21	14 53.94	−13 7.1	3.723	4.704	3.0	21.8
5 1	14 48.11	−12 37.4	3.689	4.695	0.9	21.6
5 11	14 42.14	−12 8.2	3.686	4.685	2.0	21.7
5 21	14 36.44	−11 41.3	3.712	4.676	4.2	21.9
5 31	14 31.42	−11 18.8	3.766	4.666	6.4	22.0
6 10	14 27.40	−11 2.1	3.844	4.655	8.3	22.1

127084 2002 GF_{71} 5 4.3 308°.53 3°.9/ 1.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 8.94	− 7 55.5	1.683	2.556	13.5	19.5
4 11	15 4.26	− 7 18.4	1.605	2.543	10.0	19.3
4 21	14 57.38	− 6 39.5	1.549	2.530	6.3	19.1
5 1	14 49.03	− 6 3.8	1.518	2.517	3.9	18.9
5 11	14 40.26	− 5 36.6	1.514	2.505	5.8	19.0
5 21	14 32.11	− 5 22.0	1.535	2.493	9.6	19.1
5 31	14 25.57	− 5 23.0	1.580	2.481	13.5	19.3
6 10	14 21.29	− 5 40.5	1.644	2.469	16.9	19.5

71975 2000 WG_{133} 5 4.3 42°.69 7°.0/ 7.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 18.58	−28 16.8	1.309	2.143	18.9	18.4
4 11	15 12.29	−29 40.3	1.247	2.151	15.2	18.2
4 21	15 2.53	−30 46.3	1.205	2.160	11.1	18.0
5 1	14 50.37	−31 28.8	1.185	2.169	7.7	17.8
5 11	14 37.54	−31 46.1	1.190	2.179	7.3	17.8
5 21	14 25.84	−31 41.4	1.219	2.189	10.2	18.0
5 31	14 16.81	−31 22.1	1.270	2.199	14.0	18.2
6 10	14 11.36	−30 57.8	1.341	2.210	17.6	18.5

342700 2008 VH_{73} 5 4.3 343°.12 1°.7/ 3.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 9.52	−12 37.2	1.666	2.534	13.8	20.4
4 11	15 4.68	−12 24.8	1.592	2.530	10.1	20.2
4 21	14 57.61	−12 7.9	1.541	2.525	6.0	19.9
5 1	14 49.09	−11 49.4	1.516	2.521	2.0	19.6
5 11	14 40.18	−11 33.1	1.517	2.518	4.0	19.8
5 21	14 31.99	−11 22.9	1.544	2.515	8.3	20.0
5 31	14 25.46	−11 22.1	1.594	2.512	12.4	20.3
6 10	14 21.25	−11 32.6	1.666	2.510	15.9	20.5

130478 2000 QY_{95} 5 4.3 284°.00 1°.4/ 4.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 12.89	−19 59.2	1.458	2.316	16.0	19.7
4 11	15 7.86	−19 59.6	1.365	2.294	12.2	19.4
4 21	14 59.89	−19 47.1	1.292	2.271	7.6	19.1
5 1	14 49.75	−19 22.4	1.244	2.249	2.6	18.7
5 11	14 38.74	−18 48.4	1.222	2.226	3.6	18.7
5 21	14 28.34	−18 10.6	1.224	2.203	9.0	19.0
5 31	14 19.91	−17 35.7	1.250	2.180	14.0	19.2
6 10	14 14.44	−17 10.2	1.295	2.157	18.5	19.4

431824 2008 RV_{120} 5 4.3 134°.54 0°.1/ 4.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 11.08	−17 16.7	2.180	3.025	11.9	21.8
4 11	15 5.30	−17 8.1	2.108	3.033	8.8	21.6
4 21	14 57.74	−16 52.3	2.061	3.040	5.2	21.4
5 1	14 49.09	−16 31.1	2.042	3.048	1.3	21.2
5 11	14 40.23	−16 7.3	2.051	3.054	2.6	21.3
5 21	14 32.01	−15 44.2	2.088	3.061	6.3	21.5
5 31	14 25.19	−15 25.4	2.152	3.067	9.7	21.7
6 10	14 20.28	−15 13.7	2.238	3.073	12.6	21.9

193350 2000 US_{24} 5 4.3 144°.35 0°.4/ 3.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 4.99	−14 58.8	3.922	4.762	7.2	21.0
4 11	15 0.20	−14 48.9	3.847	4.770	5.2	20.9
4 21	14 54.50	−14 35.9	3.800	4.779	3.0	20.7
5 1	14 48.26	−14 20.9	3.781	4.787	0.8	20.5
5 11	14 41.92	−14 5.8	3.793	4.795	1.7	20.6
5 21	14 35.89	−13 51.9	3.836	4.803	4.0	20.8
5 31	14 30.58	−13 41.1	3.906	4.810	6.1	20.9
6 10	14 26.29	−13 34.6	4.002	4.818	7.9	21.1

68411 2001 QE_{188} 5 4.3 22°.44 1°.9/ 5.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 7.43	−23 54.7	1.308	2.171	17.2	18.1
4 11	15 3.59	−23 16.6	1.247	2.178	13.0	17.8
4 21	14 57.09	−22 18.1	1.207	2.185	8.2	17.6
5 1	14 48.95	−21 2.6	1.189	2.193	3.2	17.3
5 11	14 40.56	−19 37.2	1.196	2.202	3.5	17.3
5 21	14 33.25	−18 11.3	1.228	2.211	8.4	17.7
5 31	14 28.06	−16 53.9	1.283	2.221	13.1	17.9
6 10	14 25.63	−15 52.1	1.358	2.232	17.0	18.2

296909 2010 CO_{55} 5 4.3 50°.65 7°.5/10.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 11.38	−38 19.7	1.750	2.531	17.0	19.5
4 11	15 6.25	−38 24.4	1.681	2.543	14.2	19.4
4 21	14 58.56	−38 2.9	1.632	2.554	11.2	19.2
5 1	14 49.31	−37 13.3	1.605	2.566	8.6	19.1
5 11	14 39.85	−35 58.0	1.603	2.578	7.5	19.0
5 21	14 31.45	−34 23.8	1.627	2.590	8.7	19.1
5 31	14 25.14	−32 39.9	1.675	2.602	11.3	19.3
6 10	14 21.52	−30 56.6	1.746	2.615	14.1	19.5

55747 1990 SQ_{14} 5 4.3 217°.06 13°.6/ 9.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
4 1	15 27.09	−40 53.5	1.380	2.147	21.5	19.4
4 11	15 19.82	−43 4.1	1.303	2.142	18.9	19.2
4 21	15 7.79	−44 51.0	1.243	2.137	16.2	19.0
5 1	14 51.90	−46 1.6	1.204	2.131	14.2	18.9
5 11	14 34.24	−46 27.5	1.188	2.125	13.6	18.8
5 21	14 17.47	−46 9.0	1.193	2.118	14.8	18.8
5 31	14 4.06	−45 15.8	1.219	2.111	17.3	19.0
6 10	13 55.47	−44 3.4	1.263	2.103	20.1	19.1

477641 2010 MN_{61} 5 4.3 288°.99 3°.9/ 7.0 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 10.67	−27 46.8	2.313	3.126	12.4	21.6
4 11	15 5.37	−28 10.5	2.208	3.104	9.9	21.4
4 21	14 58.02	−28 21.9	2.126	3.081	7.0	21.2
5 1	14 49.23	−28 19.5	2.070	3.059	4.5	21.0
5 11	14 39.88	−28 4.0	2.042	3.036	4.2	20.9
5 21	14 30.93	−27 37.9	2.042	3.013	6.6	21.0
5 31	14 23.28	−27 5.5	2.068	2.991	9.7	21.2
6 10	14 17.64	−26 32.0	2.116	2.968	12.7	21.3

382703 2002 VX_{139} 5 4.3 50°.86 8°.0/27.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 6.71	+ 4 51.2	1.964	2.825	12.4	20.4
4 11	15 2.08	+ 6 13.6	1.922	2.837	10.0	20.2
4 21	14 55.81	+ 7 26.3	1.903	2.849	8.4	20.1
5 1	14 48.60	+ 8 22.6	1.910	2.861	8.2	20.2
5 11	14 41.31	+ 8 57.8	1.942	2.874	9.5	20.3
5 21	14 34.73	+ 9 9.5	1.998	2.886	11.6	20.4
5 31	14 29.53	+ 8 58.2	2.075	2.899	13.8	20.6
6 10	14 26.14	+ 8 26.0	2.171	2.912	15.9	20.8

473153 2015 KW_{17} 5 4.3 161°.56 5°.1/29.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 6.98	− 1 4.3	2.417	3.276	10.4	20.8
4 11	15 2.10	− 0 6.1	2.354	3.278	8.0	20.6
4 21	14 55.78	+ 0 48.7	2.316	3.280	5.9	20.5
5 1	14 48.61	+ 1 35.3	2.306	3.282	5.2	20.4
5 11	14 41.29	+ 2 9.6	2.323	3.284	6.5	20.5
5 21	14 34.49	+ 2 29.0	2.367	3.286	8.7	20.6
5 31	14 28.83	+ 2 32.3	2.435	3.287	11.2	20.8
6 10	14 24.73	+ 2 19.8	2.524	3.288	13.3	21.0

506525 2004 TR_{69} 5 4.3 233°.88 0°.2/ 4.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 12.01	−17 40.8	2.353	3.192	11.3	22.5
4 11	15 6.07	−17 30.4	2.256	3.178	8.4	22.3
4 21	14 58.29	−17 12.7	2.184	3.162	5.0	22.0
5 1	14 49.28	−16 48.8	2.140	3.146	1.3	21.7
5 11	14 39.87	−16 21.4	2.126	3.129	2.5	21.8
5 21	14 30.91	−15 53.7	2.140	3.112	6.3	22.0
5 31	14 23.20	−15 29.6	2.182	3.094	9.8	22.2
6 10	14 17.33	−15 12.2	2.247	3.075	12.8	22.4

69543 1997 JZ_{2} 5 4.3 269°.11 0°.7/ 4.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 9.43	−19 56.4	1.938	2.786	13.0	20.3
4 11	15 4.48	−19 35.9	1.851	2.776	9.8	20.1
4 21	14 57.46	−19 4.1	1.788	2.766	5.9	19.8
5 1	14 49.08	−18 23.0	1.751	2.756	1.8	19.5
5 11	14 40.32	−17 36.3	1.742	2.746	2.8	19.6
5 21	14 32.16	−16 48.8	1.759	2.736	7.0	19.8
5 31	14 25.50	−16 5.8	1.803	2.725	10.9	20.0
6 10	14 20.96	−15 31.8	1.868	2.715	14.3	20.2

286344 2001 XV_{90} 5 4.3 197°.84 1°.0/ 5.4 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 8.40	−21 47.5	3.077	3.901	9.4	22.7
4 11	15 3.01	−21 28.8	2.986	3.897	7.0	22.5
4 21	14 56.29	−21 1.7	2.921	3.893	4.4	22.4
5 1	14 48.76	−20 27.5	2.885	3.887	1.7	22.2
5 11	14 41.03	−19 48.4	2.878	3.882	2.0	22.2
5 21	14 33.71	−19 7.3	2.902	3.875	4.7	22.4
5 31	14 27.36	−18 27.4	2.954	3.869	7.4	22.5
6 10	14 22.41	−17 52.0	3.030	3.861	9.8	22.7

414130 2007 VJ_{51} 5 4.3 142°.10 1°.4/ 5.2 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 14.56	−21 15.4	1.835	2.674	14.1	22.8
4 11	15 8.17	−21 5.2	1.766	2.685	10.5	22.5
4 21	14 59.56	−20 42.8	1.720	2.695	6.5	22.3
5 1	14 49.60	−20 9.8	1.701	2.704	2.4	22.1
5 11	14 39.39	−19 29.5	1.709	2.713	2.9	22.1
5 21	14 30.04	−18 47.0	1.745	2.721	7.1	22.4
5 31	14 22.47	−18 7.6	1.807	2.729	10.9	22.6
6 10	14 17.26	−17 36.0	1.891	2.736	14.2	22.9

253494 2003 SZ_{103} 5 4.3 206°.49 0°.5/ 4.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 13.90	−19 3.4	2.009	2.850	13.0	21.7
4 11	15 7.67	−18 49.0	1.923	2.844	9.7	21.5
4 21	14 59.32	−18 24.8	1.860	2.838	5.8	21.3
5 1	14 49.56	−17 52.2	1.825	2.831	1.7	21.0
5 11	14 39.42	−17 14.4	1.819	2.823	2.8	21.0
5 21	14 29.90	−16 35.9	1.840	2.814	7.0	21.3
5 31	14 21.94	−16 1.3	1.888	2.804	10.8	21.5
6 10	14 16.16	−15 35.0	1.959	2.794	14.2	21.7

506302 2017 NG_4 5 4.3 292°.21 1°.9/ 5.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
4 1	15 11.42	−21 38.0	1.408	2.266	16.5	21.6
4 11	15 6.85	−21 32.7	1.317	2.245	12.6	21.3
4 21	14 59.33	−21 11.8	1.246	2.224	8.0	21.0
5 1	14 49.65	−20 35.8	1.199	2.203	3.1	20.6
5 11	14 39.15	−19 48.1	1.178	2.182	3.7	20.6
5 21	14 29.31	−18 55.1	1.180	2.161	9.0	20.8
5 31	14 21.51	−18 4.9	1.206	2.140	14.1	21.1
6 10	14 16.70	−17 24.7	1.251	2.120	18.6	21.3

299974 2006 TQ_{102} 5 4.3 215°.18 0°.6/ 4.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 8.82	−19 7.2	2.363	3.205	11.2	21.4
4 11	15 3.66	−18 56.1	2.280	3.202	8.3	21.2
4 21	14 56.82	−18 36.9	2.222	3.199	5.0	21.0
5 1	14 48.92	−18 11.0	2.191	3.196	1.5	20.7
5 11	14 40.76	−17 41.2	2.189	3.193	2.4	20.8
5 21	14 33.12	−17 10.7	2.216	3.190	5.9	21.0
5 31	14 26.72	−16 43.3	2.268	3.187	9.2	21.2
6 10	14 22.07	−16 22.1	2.344	3.183	12.0	21.4

429634 2011 FB_{105} 5 4.3 184°.89 5°.0/30.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 9.74	− 4 11.3	1.941	2.805	12.3	21.3
4 11	15 4.46	− 3 12.3	1.874	2.805	9.3	21.1
4 21	14 57.32	− 2 14.7	1.832	2.805	6.4	20.9
5 1	14 49.04	− 1 23.9	1.817	2.805	5.1	20.9
5 11	14 40.55	− 0 45.2	1.829	2.804	6.7	21.0
5 21	14 32.71	− 0 22.5	1.867	2.803	9.7	21.1
5 31	14 26.32	− 0 17.5	1.929	2.802	12.7	21.3
6 10	14 21.90	− 0 30.2	2.011	2.800	15.5	21.5

175673 1994 UY_{10} 5 4.3 99°.26 1°.5/ 5.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 8.11	−22 30.0	2.350	3.184	11.5	20.5
4 11	15 3.13	−22 18.2	2.272	3.187	8.7	20.3
4 21	14 56.50	−21 55.8	2.218	3.190	5.5	20.1
5 1	14 48.84	−21 24.2	2.191	3.193	2.3	19.9
5 11	14 40.96	−20 46.1	2.192	3.196	2.5	19.9
5 21	14 33.64	−20 5.2	2.222	3.198	5.7	20.1
5 31	14 27.60	−19 25.7	2.278	3.201	8.9	20.3
6 10	14 23.33	−18 51.6	2.358	3.204	11.7	20.5

4303 Savitskij 5 4.3 174°.28 0°.3/ 4.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 15.59	−18 20.7	1.600	2.452	15.2	18.0
4 11	15 9.26	−18 6.6	1.528	2.455	11.3	17.8
4 21	15 0.38	−17 41.6	1.477	2.457	6.7	17.5
5 1	14 49.85	−17 7.6	1.453	2.458	1.8	17.2
5 11	14 38.94	−16 28.8	1.455	2.459	3.3	17.3
5 21	14 28.93	−15 50.5	1.485	2.460	8.2	17.6
5 31	14 20.88	−15 18.4	1.539	2.459	12.5	17.8
6 10	14 15.50	−14 56.9	1.613	2.458	16.3	18.1

289558 2005 ES_{265} 5 4.3 328°.32 3°.3/ 1.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 5.61	−11 32.5	1.740	2.614	13.0	20.3
4 11	15 1.72	−10 14.5	1.664	2.604	9.5	20.0
4 21	14 55.85	− 8 49.1	1.612	2.596	5.8	19.8
5 1	14 48.71	− 7 22.4	1.586	2.587	3.3	19.6
5 11	14 41.26	− 6 2.0	1.587	2.579	5.5	19.7
5 21	14 34.47	− 4 54.5	1.614	2.571	9.3	19.9
5 31	14 29.17	− 4 5.0	1.665	2.564	13.0	20.1
6 10	14 25.95	− 3 35.7	1.736	2.557	16.3	20.3

99484 2002 CQ_{169} 5 4.3 151°.26 1°.6/ 3.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 15.11	−13 3.6	1.846	2.699	13.4	20.0
4 11	15 8.47	−12 39.6	1.779	2.709	9.8	19.8
4 21	14 59.71	−12 10.3	1.737	2.718	5.7	19.5
5 1	14 49.66	−11 38.9	1.722	2.727	1.9	19.3
5 11	14 39.40	−11 9.4	1.735	2.734	3.8	19.4
5 21	14 29.96	−10 46.0	1.775	2.741	7.9	19.7
5 31	14 22.22	−10 31.9	1.842	2.747	11.6	19.9
6 10	14 16.76	−10 29.4	1.929	2.752	14.8	20.2

497426 2005 XZ_9 5 4.3 218°.05 1°.4/ 5.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 12.08	−21 48.5	2.294	3.125	11.9	23.1
4 11	15 6.18	−21 35.6	2.201	3.115	9.0	22.9
4 21	14 58.39	−21 11.9	2.132	3.105	5.6	22.7
5 1	14 49.35	−20 38.3	2.091	3.094	2.2	22.4
5 11	14 39.96	−19 57.7	2.079	3.083	2.6	22.4
5 21	14 31.09	−19 13.8	2.096	3.071	6.2	22.6
5 31	14 23.56	−18 31.3	2.140	3.058	9.6	22.8
6 10	14 17.97	−17 54.7	2.207	3.044	12.7	23.0

437370 2013 VE_7 5 4.3 229°.74 4°.9/ 7.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 15.08	−30 13.5	2.179	2.978	13.5	21.6
4 11	15 8.74	−30 44.1	2.083	2.967	10.9	21.4
4 21	15 0.08	−30 59.9	2.010	2.955	8.0	21.2
5 1	14 49.82	−30 58.8	1.962	2.943	5.5	21.1
5 11	14 38.99	−30 40.9	1.943	2.930	5.1	21.0
5 21	14 28.69	−30 9.2	1.951	2.917	7.2	21.1
5 31	14 19.96	−29 28.6	1.985	2.903	10.3	21.3
6 10	14 13.53	−28 45.7	2.042	2.889	13.2	21.4

301303 2009 BL_{131} 5 4.3 267°.70 1°.3/ 5.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
4 1	15 10.25	−20 13.9	2.152	2.993	12.2	21.0
4 11	15 4.91	−20 18.3	2.068	2.989	9.2	20.8
4 21	14 57.67	−20 13.7	2.009	2.984	5.7	20.5
5 1	14 49.18	−20 1.0	1.976	2.979	2.1	20.3
5 11	14 40.34	−19 42.4	1.971	2.975	2.6	20.3
5 21	14 32.05	−19 20.9	1.994	2.970	6.3	20.5
5 31	14 25.15	−19 0.6	2.043	2.965	9.8	20.8
6 10	14 20.21	−18 45.1	2.114	2.960	12.9	20.9

292836 2006 UG_{283} 5 4.3 339°.22 1°.0/ 4.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 10.93	−19 44.8	1.470	2.331	15.8	20.8
4 11	15 6.10	−19 37.1	1.396	2.328	11.8	20.6
4 21	14 58.64	−19 16.7	1.345	2.325	7.2	20.3
5 1	14 49.46	−18 45.4	1.317	2.322	2.3	20.0
5 11	14 39.82	−18 7.2	1.315	2.320	3.3	20.0
5 21	14 31.02	−17 27.8	1.338	2.318	8.3	20.3
5 31	14 24.21	−16 53.5	1.385	2.316	12.9	20.6
6 10	14 20.11	−16 29.4	1.452	2.315	16.8	20.8

170828 2004 EY_{61} 5 4.3 84°.68 0°.0/ 4.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 9.89	−17 52.7	2.147	2.994	12.0	21.1
4 11	15 4.37	−17 29.0	2.088	3.014	8.8	20.9
4 21	14 57.18	−16 57.4	2.054	3.033	5.1	20.7
5 1	14 49.02	−16 20.3	2.047	3.053	1.3	20.5
5 11	14 40.78	−15 41.3	2.069	3.072	2.6	20.6
5 21	14 33.26	−15 4.3	2.118	3.091	6.2	20.9
5 31	14 27.15	−14 33.3	2.194	3.110	9.5	21.1
6 10	14 22.92	−14 10.9	2.293	3.129	12.3	21.3

330105 2005 WV_{194} 5 4.3 242°.30 1°.6/ 2.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 9.25	−15 52.3	1.956	2.813	12.6	20.7
4 11	15 4.26	−14 40.6	1.869	2.801	9.2	20.5
4 21	14 57.31	−13 17.9	1.807	2.790	5.4	20.3
5 1	14 49.10	−11 48.8	1.772	2.777	1.8	20.0
5 11	14 40.56	−10 19.8	1.766	2.765	3.9	20.1
5 21	14 32.63	− 8 57.8	1.788	2.752	8.0	20.3
5 31	14 26.15	− 7 48.8	1.835	2.738	11.8	20.5
6 10	14 21.71	− 6 56.7	1.904	2.725	15.1	20.7

266358 2007 ED_{25} 5 4.3 47°.34 2°.1/ 2.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 9.20	−13 51.6	1.476	2.349	15.0	19.7
4 11	15 4.45	−13 2.0	1.424	2.364	10.9	19.5
4 21	14 57.43	−12 5.0	1.394	2.379	6.3	19.3
5 1	14 49.10	−11 6.0	1.389	2.394	2.3	19.1
5 11	14 40.64	−10 11.4	1.410	2.410	4.5	19.3
5 21	14 33.17	− 9 27.1	1.457	2.426	8.9	19.5
5 31	14 27.57	− 8 57.5	1.526	2.442	12.9	19.8
6 10	14 24.39	− 8 44.6	1.616	2.459	16.3	20.1

289863 2005 MK_{12} 5 4.3 269°.39 6°.3/28.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 8.15	+ 2 20.8	2.284	3.140	11.1	20.3
4 11	15 3.15	+ 3 13.1	2.209	3.126	8.8	20.1
4 21	14 56.54	+ 3 59.6	2.158	3.113	6.9	20.0
5 1	14 48.89	+ 4 35.2	2.134	3.100	6.4	19.9
5 11	14 40.97	+ 4 55.6	2.137	3.086	7.7	19.9
5 21	14 33.54	+ 4 58.3	2.165	3.073	10.0	20.1
5 31	14 27.28	+ 4 42.5	2.217	3.059	12.4	20.2
6 10	14 22.71	+ 4 9.2	2.289	3.045	14.7	20.3

388793 2008 AW_{105} 5 4.3 153°.11 2°.9/ 1.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 8.82	− 7 41.3	2.389	3.246	10.6	21.2
4 11	15 3.51	− 7 12.3	2.319	3.250	7.8	21.0
4 21	14 56.67	− 6 42.9	2.275	3.253	4.8	20.9
5 1	14 48.91	− 6 16.3	2.259	3.256	2.9	20.7
5 11	14 40.97	− 5 55.8	2.271	3.259	4.3	20.8
5 21	14 33.57	− 5 44.1	2.311	3.262	7.2	21.0
5 31	14 27.36	− 5 42.8	2.377	3.265	10.1	21.2
6 10	14 22.79	− 5 52.9	2.465	3.267	12.6	21.4

109232 2001 QJ_{93} 5 4.3 141°.92 1°.5/ 5.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 11.61	−23 9.0	2.101	2.933	12.8	20.1
4 11	15 5.78	−22 39.5	2.029	2.943	9.6	19.9
4 21	14 58.08	−21 57.0	1.981	2.953	6.0	19.7
5 1	14 49.26	−21 3.4	1.959	2.962	2.4	19.5
5 11	14 40.28	−20 2.7	1.967	2.970	2.7	19.5
5 21	14 32.04	−19 0.0	2.002	2.978	6.3	19.8
5 31	14 25.31	−18 0.9	2.065	2.986	9.8	20.0
6 10	14 20.63	−17 10.3	2.150	2.993	12.8	20.2

25115 Drago 5 4.3 341°.10 1°.0/ 5.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 9.04	−20 44.1	1.861	2.710	13.5	18.6
4 11	15 4.22	−20 25.5	1.784	2.709	10.1	18.4
4 21	14 57.32	−19 55.1	1.730	2.707	6.2	18.1
5 1	14 49.10	−19 14.7	1.701	2.706	2.1	17.9
5 11	14 40.57	−18 28.2	1.700	2.705	2.8	17.9
5 21	14 32.73	−17 40.7	1.726	2.704	7.0	18.2
5 31	14 26.46	−16 57.4	1.777	2.703	10.8	18.4
6 10	14 22.36	−16 23.0	1.850	2.702	14.2	18.6

339417 2005 EC_3 5 4.3 259°.12 7°.1/ 9.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
4 1	15 13.18	−36 47.1	2.104	2.877	14.8	20.7
4 11	15 7.54	−37 22.3	2.011	2.867	12.5	20.5
4 21	14 59.45	−37 38.0	1.940	2.858	10.0	20.4
5 1	14 49.68	−37 31.1	1.892	2.848	7.9	20.2
5 11	14 39.34	−37 1.3	1.869	2.838	7.2	20.1
5 21	14 29.64	−36 11.7	1.873	2.828	8.4	20.2
5 31	14 21.67	−35 8.5	1.902	2.817	10.8	20.3
6 10	14 16.17	−33 59.6	1.953	2.807	13.5	20.5

424835 2008 UW_{249} 5 4.3 335°.24 0°.0/ 4.1 17

4 1	15 12.81	−13 34.1	1.334	2.208	16.3	19.7
4 11	15 7.96	−14 20.0	1.250	2.189	12.2	19.4
4 21	15 0.05	−15 4.9	1.188	2.171	7.3	19.1
5 1	14 49.90	−15 48.6	1.149	2.155	1.9	18.7
5 11	14 38.83	−16 31.5	1.135	2.140	3.8	18.8
5 21	14 28.39	−17 14.4	1.146	2.125	9.4	19.1
5 31	14 20.01	−17 59.2	1.179	2.112	14.4	19.3
6 10	14 14.71	−18 48.3	1.232	2.101	18.8	19.5

506523 2004 TM_{57} 5 4.3 304°.24 3°.2/ 1.8 17

4 1	15 6.88	−12 46.7	1.577	2.453	14.1	21.2
4 11	15 3.02	−11 27.4	1.487	2.429	10.4	21.0
4 21	14 56.83	− 9 56.6	1.420	2.405	6.3	20.6
5 1	14 49.02	− 8 20.6	1.378	2.381	3.3	20.4
5 11	14 40.67	− 6 48.1	1.363	2.357	5.7	20.5
5 21	14 32.91	− 5 27.5	1.373	2.334	10.2	20.7
5 31	14 26.79	− 4 25.9	1.406	2.311	14.6	20.9
6 10	14 23.05	− 3 47.1	1.458	2.288	18.4	21.1

10868 1996 RF_5 5 4.3 288°.59 5°.6/ 1.1 18

4 1	15 11.05	− 5 45.5	1.421	2.298	15.2	17.9
4 11	15 6.22	− 4 52.4	1.344	2.284	11.5	17.6
4 21	14 58.76	− 3 58.7	1.290	2.269	7.6	17.4
5 1	14 49.52	− 3 11.1	1.260	2.254	5.6	17.2
5 11	14 39.72	− 2 36.9	1.255	2.240	7.7	17.3
5 21	14 30.65	− 2 21.4	1.274	2.225	11.8	17.5
5 31	14 23.48	− 2 27.5	1.314	2.211	16.0	17.7
6 10	14 18.98	− 2 55.1	1.373	2.197	19.7	17.9

375039 2007 HF_{76} 5 4.3 206°.37 1°.0/ 3.8 18

4 1	15 14.34	−12 44.5	2.012	2.862	12.5	20.7
4 11	15 7.94	−12 53.7	1.932	2.860	9.2	20.5
4 21	14 59.48	−12 59.8	1.876	2.857	5.4	20.3
5 1	14 49.66	−13 4.4	1.849	2.854	1.5	20.0
5 11	14 39.47	−13 9.5	1.849	2.851	3.2	20.1
5 21	14 29.88	−13 17.3	1.878	2.847	7.2	20.4
5 31	14 21.81	−13 30.2	1.933	2.844	10.9	20.6
6 10	14 15.87	−13 50.0	2.011	2.840	14.1	20.8

428727 2008 RJ_{74} 5 4.3 268°.55 5°.7/ 7.6 18

4 1	15 14.98	−30 42.4	1.990	2.793	14.5	21.1
4 11	15 9.00	−31 26.5	1.890	2.774	11.8	20.9
4 21	15 0.43	−31 55.6	1.812	2.756	8.9	20.7
5 1	14 49.97	−32 6.4	1.759	2.737	6.3	20.5
5 11	14 38.75	−31 58.3	1.733	2.718	5.9	20.4
5 21	14 28.00	−31 33.5	1.733	2.698	8.1	20.5
5 31	14 18.93	−30 57.3	1.758	2.679	11.3	20.7
6 10	14 12.38	−30 16.8	1.806	2.659	14.5	20.8

264989 2003 DE_1 5 4.3 113°.96 5°.8/ 8.5 17

4 1	15 15.07	−32 43.1	1.902	2.698	15.3	21.4
4 11	15 8.75	−33 5.1	1.832	2.711	12.4	21.2
4 21	15 0.03	−33 7.6	1.784	2.724	9.3	21.0
5 1	14 49.80	−32 48.8	1.760	2.736	6.6	20.9
5 11	14 39.29	−32 10.3	1.763	2.748	5.9	20.9
5 21	14 29.69	−31 16.8	1.793	2.760	7.7	21.0
5 31	14 22.01	−30 15.3	1.848	2.771	10.6	21.2
6 10	14 16.88	−29 13.4	1.926	2.782	13.5	21.4

315431 2007 VX_{292} 5 4.3 225°.25 5°.7/29.5 16

4 1	15 11.11	− 4 25.3	1.850	2.714	12.8	21.2
4 11	15 5.66	− 2 56.0	1.773	2.704	9.7	20.9
4 21	14 58.16	− 1 25.4	1.721	2.693	6.9	20.7
5 1	14 49.34	− 0 0.8	1.696	2.681	5.8	20.6
5 11	14 40.17	+ 1 10.3	1.699	2.668	7.7	20.7
5 21	14 31.63	+ 2 2.5	1.728	2.655	10.9	20.9
5 31	14 24.60	+ 2 32.2	1.780	2.641	14.2	21.1
6 10	14 19.70	+ 2 39.4	1.851	2.626	17.1	21.2

112262 2002 LV_{15} 5 4.3 354°.11 3°.7/ 6.3 17

4 1	15 7.86	−24 47.1	1.145	2.013	18.8	19.1
4 11	15 4.52	−24 53.0	1.078	2.008	14.5	18.8
4 21	14 58.02	−24 38.2	1.028	2.004	9.6	18.5
5 1	14 49.37	−24 2.4	1.001	2.001	4.9	18.2
5 11	14 40.13	−23 10.1	0.996	1.999	4.6	18.2
5 21	14 31.93	−22 8.9	1.013	1.998	9.4	18.5
5 31	14 26.16	−21 8.8	1.052	1.999	14.4	18.7
6 10	14 23.64	−20 18.5	1.109	2.000	18.8	19.0

423528 2005 UF_{139} 5 4.3 118°.55 2°.1/ 3.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
4 1	15 13.97	−10 24.3	1.748	2.609	13.7	21.1
4 11	15 7.85	−10 24.9	1.678	2.611	10.0	20.9
4 21	14 59.48	−10 23.8	1.631	2.612	6.0	20.6
5 1	14 49.68	−10 23.6	1.610	2.614	2.4	20.4
5 11	14 39.54	−10 27.1	1.617	2.616	4.2	20.5
5 21	14 30.16	−10 36.7	1.651	2.617	8.3	20.8
5 31	14 22.48	−10 54.7	1.709	2.619	12.1	21.0
6 10	14 17.15	−11 22.1	1.789	2.621	15.5	21.2

470064 2006 ST_{241} 5 4.3 198°.73 2°.4/ 6.2 17

4 1	15 10.78	−24 20.0	2.485	3.306	11.4	22.1
4 11	15 5.12	−24 28.9	2.398	3.304	8.8	21.9
4 21	14 57.74	−24 27.4	2.336	3.301	5.8	21.7
5 1	14 49.23	−24 15.5	2.302	3.299	3.0	21.5
5 11	14 40.42	−23 54.9	2.296	3.296	2.9	21.5
5 21	14 32.12	−23 28.4	2.318	3.293	5.7	21.7
5 31	14 25.07	−22 59.9	2.368	3.289	8.7	21.9
6 10	14 19.81	−22 33.4	2.441	3.285	11.4	22.0

54540 2000 QQ_{58} 5 4.3 343°.82 3°.1/ 6.4 18

4 1	15 11.19	−24 53.2	2.112	2.939	12.9	19.2
4 11	15 5.72	−25 16.3	2.030	2.937	10.0	19.0
4 21	14 58.21	−25 27.8	1.972	2.936	6.7	18.8
5 1	14 49.37	−25 27.0	1.940	2.935	3.8	18.6
5 11	14 40.15	−25 15.4	1.935	2.934	3.6	18.6
5 21	14 31.51	−24 55.8	1.958	2.933	6.5	18.8
5 31	14 24.35	−24 32.4	2.007	2.933	9.8	19.0
6 10	14 19.29	−24 10.2	2.079	2.932	12.8	19.2

6390 Hirabayashi 5 4.3 50°.30 2°.0/ 3.1 18

4 1	15 10.74	−11 35.9	1.703	2.570	13.7	16.8
4 11	15 5.34	−11 18.9	1.649	2.586	9.9	16.6
4 21	14 57.89	−10 58.5	1.619	2.602	5.8	16.4
5 1	14 49.25	−10 38.1	1.614	2.619	2.2	16.2
5 11	14 40.48	−10 21.6	1.637	2.636	4.1	16.3
5 21	14 32.57	−10 12.3	1.685	2.653	8.0	16.6
5 31	14 26.36	−10 12.8	1.758	2.670	11.7	16.9
6 10	14 22.37	−10 24.5	1.852	2.688	14.8	17.1

111283 2001 XE_{41} 5 4.3 59°.46 1°.5/ 5.4 18

4 1	15 11.54	−20 29.1	2.076	2.916	12.6	19.1
4 11	15 5.76	−20 44.6	2.013	2.932	9.4	18.9
4 21	14 58.11	−20 51.2	1.974	2.948	5.9	18.7
5 1	14 49.31	−20 49.3	1.962	2.964	2.3	18.5
5 11	14 40.33	−20 40.9	1.977	2.981	2.7	18.5
5 21	14 32.06	−20 29.0	2.021	2.997	6.2	18.8
5 31	14 25.29	−20 17.2	2.090	3.014	9.6	19.0
6 10	14 20.56	−20 9.0	2.183	3.030	12.5	19.2

242395 2004 FU_{43} 5 4.3 39°.86 3°.6/ 1.8 17 R

4 1	15 8.54	− 7 30.2	1.899	2.767	12.4	20.1
4 11	15 3.62	− 6 53.1	1.837	2.772	9.1	19.9
4 21	14 56.87	− 6 15.5	1.798	2.778	5.8	19.8
5 1	14 49.01	− 5 41.8	1.786	2.784	3.6	19.6
5 11	14 40.95	− 5 16.5	1.801	2.790	5.3	19.7
5 21	14 33.59	− 5 2.9	1.843	2.797	8.6	19.9
5 31	14 27.68	− 5 2.8	1.908	2.803	11.8	20.2
6 10	14 23.75	− 5 17.0	1.995	2.810	14.7	20.4

18535 1996 XQ_{13} 5 4.3 264°.81 1°.9/ 5.9 18

4 1	15 9.45	−24 29.9	1.893	2.730	13.8	18.1
4 11	15 4.61	−23 52.4	1.802	2.718	10.5	17.8
4 21	14 57.63	−22 58.1	1.734	2.707	6.7	17.6
5 1	14 49.23	−21 48.7	1.693	2.695	2.9	17.3
5 11	14 40.46	−20 28.8	1.678	2.682	3.0	17.3
5 21	14 32.33	−19 4.9	1.692	2.670	7.0	17.5
5 31	14 25.80	−17 44.5	1.731	2.658	11.0	17.7
6 10	14 21.48	−16 34.0	1.792	2.645	14.5	17.9

510590 2012 SH_{25} 5 4.3 238°.67 1°.4/ 5.3 17

4 1	15 10.55	−21 11.6	2.154	2.992	12.3	21.8
4 11	15 5.17	−21 5.4	2.066	2.984	9.3	21.6
4 21	14 57.86	−20 49.0	2.002	2.976	5.8	21.3
5 1	14 49.29	−20 23.2	1.964	2.968	2.2	21.1
5 11	14 40.34	−19 50.6	1.955	2.959	2.7	21.1
5 21	14 31.95	−19 15.1	1.974	2.950	6.4	21.3
5 31	14 24.94	−18 41.2	2.019	2.941	9.9	21.5
6 10	14 19.91	−18 12.9	2.086	2.931	13.1	21.7

31336 Chenyuhsin 5 4.3 84°.77 2°.1/ 2.4 18

4 1	15 7.08	−12 25.0	2.189	3.050	11.3	19.3
4 11	15 2.34	−11 30.5	2.125	3.059	8.2	19.1
4 21	14 56.03	−10 31.3	2.085	3.068	4.8	18.9
5 1	14 48.79	− 9 31.3	2.073	3.076	2.2	18.8
5 11	14 41.42	− 8 35.4	2.090	3.085	3.9	18.9
5 21	14 34.67	− 7 47.9	2.134	3.094	7.2	19.1
5 31	14 29.19	− 7 12.1	2.203	3.102	10.3	19.3
6 10	14 25.44	− 6 50.0	2.295	3.111	13.0	19.5

245130 2004 RB_{76} 5 4.3 227.°85 3.°7/ 1.9 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
4 1	15 12.69	− 9 27.4	1.635	2.502	14.1	21.3
4 11	15 7.11	− 8 35.1	1.557	2.493	10.4	21.0
4 21	14 59.15	− 7 38.4	1.503	2.484	6.5	20.8
5 1	14 49.64	− 6 42.8	1.475	2.475	3.7	20.6
5 11	14 39.70	− 5 54.6	1.474	2.465	5.8	20.7
5 21	14 30.48	− 5 19.4	1.498	2.454	9.9	20.9
5 31	14 23.01	− 5 1.0	1.546	2.443	14.0	21.1
6 10	14 17.98	− 5 1.0	1.614	2.432	17.5	21.3

271061 2003 GR_{56} 5 4.3 273.°94 2.°0/ 3.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 10.92	−11 55.8	1.768	2.632	13.4	21.1
4 11	15 5.66	−11 33.9	1.691	2.626	9.8	20.9
4 21	14 58.23	−11 7.5	1.638	2.621	5.8	20.6
5 1	14 49.40	−10 40.1	1.611	2.615	2.3	20.4
5 11	14 40.19	−10 15.9	1.611	2.610	4.2	20.5
5 21	14 31.65	− 9 58.8	1.637	2.604	8.3	20.7
5 31	14 24.72	− 9 52.1	1.688	2.599	12.2	20.9
6 10	14 20.03	− 9 57.8	1.760	2.593	15.6	21.2

515727 2014 WF_{403} 5 4.3 171.°20 0.°9/ 2.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 1.16	−11 40.1	4.658	5.505	6.0	21.4
4 11	14 57.41	−11 23.4	4.578	5.506	4.3	21.3
4 21	14 52.93	−11 5.1	4.526	5.506	2.5	21.2
5 1	14 48.01	−10 46.7	4.503	5.507	1.0	21.0
5 11	14 43.01	−10 29.6	4.511	5.508	1.9	21.1
5 21	14 38.23	−10 15.2	4.548	5.508	3.7	21.2
5 31	14 34.00	−10 4.8	4.612	5.508	5.4	21.4
6 10	14 30.56	− 9 59.3	4.702	5.509	6.9	21.5

213912 2003 UN_{103} 5 4.3 201.°29 2.°4/ 2.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 12.85	−11 23.4	1.893	2.751	12.9	21.2
4 11	15 6.92	−10 46.2	1.815	2.747	9.5	21.0
4 21	14 58.91	−10 4.4	1.762	2.743	5.7	20.8
5 1	14 49.57	− 9 21.8	1.735	2.738	2.5	20.6
5 11	14 39.90	− 8 43.1	1.737	2.733	4.4	20.7
5 21	14 30.90	− 8 12.8	1.766	2.727	8.3	20.9
5 31	14 23.45	− 7 54.4	1.820	2.720	12.0	21.1
6 10	14 18.18	− 7 49.9	1.896	2.713	15.3	21.3

423694 2006 AM_{31} 5 4.3 123.°75 7.°8/28.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 10.59	+ 4 53.7	2.000	2.853	12.5	21.0
4 11	15 4.95	+ 6 1.0	1.951	2.863	10.1	20.9
4 21	14 57.57	+ 6 58.8	1.927	2.873	8.3	20.8
5 1	14 49.20	+ 7 40.9	1.928	2.882	7.9	20.8
5 11	14 40.72	+ 8 2.8	1.955	2.891	9.1	20.9
5 21	14 32.97	+ 8 2.6	2.007	2.900	11.3	21.0
5 31	14 26.68	+ 7 40.8	2.082	2.909	13.7	21.2
6 10	14 22.30	+ 6 59.7	2.175	2.917	15.8	21.4

1235 Schorria 5 4.3 171.°98 12.°6/ 8.1 18 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 34.82	−38 24.1	1.430	2.193	21.0	16.2
4 11	15 25.52	−40 52.2	1.356	2.198	18.1	16.0
4 21	15 11.25	−42 59.1	1.302	2.201	15.2	15.8
5 1	14 52.96	−44 30.8	1.271	2.203	13.1	15.7
5 11	14 32.85	−45 18.1	1.265	2.205	12.7	15.7
5 21	14 13.69	−45 20.7	1.283	2.206	14.2	15.7
5 31	13 58.02	−44 48.6	1.323	2.205	16.8	15.9
6 10	13 47.29	−43 57.5	1.382	2.204	19.7	16.1

49921 1999 XL_{174} 5 4.3 222.°73 0.°1/ 4.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 13.17	−17 1.1	1.964	2.812	12.9	19.7
4 11	15 7.23	−16 44.7	1.877	2.803	9.6	19.4
4 21	14 59.16	−16 19.7	1.813	2.793	5.7	19.2
5 1	14 49.65	−15 48.3	1.777	2.783	1.4	18.9
5 11	14 39.72	−15 13.9	1.768	2.772	3.0	19.0
5 21	14 30.39	−14 40.6	1.788	2.760	7.3	19.2
5 31	14 22.58	−14 13.0	1.833	2.748	11.2	19.4
6 10	14 16.95	−13 54.8	1.901	2.735	14.6	19.6

189406 4835 P–L 5 4.3 152.°14 1.°2/ 3.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 8.50	−13 48.4	2.536	3.386	10.3	21.0
4 11	15 3.24	−13 15.4	2.464	3.393	7.5	20.9
4 21	14 56.52	−12 37.6	2.418	3.399	4.4	20.7
5 1	14 48.94	−11 57.8	2.399	3.404	1.4	20.5
5 11	14 41.21	−11 19.4	2.411	3.410	2.9	20.6
5 21	14 34.00	−10 45.6	2.450	3.415	6.1	20.8
5 31	14 27.94	−10 19.3	2.517	3.419	9.0	21.0
6 10	14 23.45	−10 2.6	2.606	3.424	11.6	21.2

280962 2006 BC_{268} 5 4.3 47.°25 4.°8/ 7.0 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 14.06	−27 7.9	1.599	2.430	16.2	19.8
4 11	15 8.29	−27 48.0	1.538	2.444	12.7	19.6
4 21	14 59.89	−28 11.6	1.499	2.459	8.9	19.4
5 1	14 49.85	−28 17.1	1.483	2.474	5.6	19.3
5 11	14 39.47	−28 5.6	1.493	2.489	5.1	19.3
5 21	14 30.06	−27 41.3	1.529	2.504	8.0	19.5
5 31	14 22.73	−27 10.5	1.590	2.520	11.6	19.7
6 10	14 18.14	−26 40.1	1.671	2.536	14.8	20.0

17155 1999 KZ_1 5 4.3 253.°20 0.°6/ 3.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
4 1	15 8.39	−15 42.8	2.282	3.134	11.2	19.5
4 11	15 3.43	−15 20.2	2.198	3.127	8.2	19.3
4 21	14 56.78	−14 51.0	2.138	3.119	4.8	19.0
5 1	14 49.05	−14 17.8	2.106	3.112	1.2	18.8
5 11	14 41.03	−13 43.6	2.102	3.105	2.8	18.9
5 21	14 33.52	−13 12.2	2.127	3.097	6.4	19.1
5 31	14 27.23	−12 47.1	2.177	3.090	9.8	19.3
6 10	14 22.71	−12 30.9	2.250	3.082	12.7	19.5

8577 Choseikomori 5 4.3 289.°74 1.°8/ 3.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 9.64	−15 36.5	1.456	2.327	15.3	17.2
4 11	15 5.34	−14 40.4	1.366	2.304	11.3	16.9
4 21	14 58.37	−13 30.8	1.297	2.282	6.7	16.6
5 1	14 49.53	−12 12.5	1.253	2.259	2.1	16.2
5 11	14 40.02	−10 52.9	1.236	2.236	4.7	16.3
5 21	14 31.14	− 9 40.5	1.243	2.213	9.9	16.5
5 31	14 24.12	− 8 43.1	1.273	2.191	14.8	16.8
6 10	14 19.79	− 8 5.6	1.322	2.168	19.1	17.0

478184 2011 UP_{223} 5 4.3 155.°97 0.°0/ 4.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 8.32	−17 29.4	2.747	3.587	9.9	22.5
4 11	15 3.06	−17 13.3	2.670	3.592	7.3	22.3
4 21	14 56.42	−16 50.9	2.618	3.597	4.3	22.2
5 1	14 48.94	−16 24.0	2.595	3.601	1.1	21.9
5 11	14 41.29	−15 55.2	2.602	3.606	2.1	22.0
5 21	14 34.11	−15 27.1	2.638	3.609	5.3	22.2
5 31	14 28.00	−15 2.8	2.701	3.613	8.1	22.4
6 10	14 23.39	−14 44.8	2.788	3.616	10.6	22.6

365072 2009 AQ_{11} 5 4.3 83.°59 1.°0/ 4.9 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 13.46	−20 4.0	1.395	2.255	16.5	21.5
4 11	15 7.95	−19 51.0	1.333	2.263	12.3	21.2
4 21	14 59.73	−19 24.3	1.292	2.272	7.5	21.0
5 1	14 49.82	−18 46.1	1.276	2.281	2.4	20.7
5 11	14 39.60	−18 1.2	1.285	2.290	3.4	20.8
5 21	14 30.44	−17 15.9	1.319	2.298	8.4	21.1
5 31	14 23.45	−16 37.0	1.377	2.307	13.0	21.4
6 10	14 19.30	−16 9.5	1.455	2.315	16.9	21.6

495203 2013 CW_{53} 5 4.3 336.°62 5.°4/ 7.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 13.28	−27 58.4	1.277	2.121	18.7	21.0
4 11	15 8.47	−28 23.4	1.205	2.118	14.8	20.8
4 21	15 0.39	−28 27.1	1.151	2.115	10.4	20.5
5 1	14 50.06	−28 7.0	1.120	2.113	6.4	20.3
5 11	14 39.07	−27 25.3	1.113	2.111	5.8	20.2
5 21	14 29.12	−26 28.3	1.129	2.109	9.4	20.4
5 31	14 21.64	−25 25.6	1.167	2.107	13.9	20.7
6 10	14 17.51	−24 27.3	1.225	2.106	18.1	20.9

161821 2006 WP_{101} 5 4.3 268.°73 4.°1/ 1.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 11.97	− 7 18.2	1.613	2.482	14.1	20.1
4 11	15 6.61	− 6 44.3	1.539	2.475	10.5	19.9
4 21	14 58.89	− 6 9.8	1.487	2.467	6.7	19.6
5 1	14 49.63	− 5 39.5	1.461	2.459	4.2	19.5
5 11	14 39.94	− 5 18.6	1.461	2.451	6.1	19.5
5 21	14 30.98	− 5 11.0	1.487	2.444	10.0	19.7
5 31	14 23.75	− 5 19.2	1.536	2.436	13.9	20.0
6 10	14 18.94	− 5 43.7	1.605	2.428	17.3	20.2

229137 2004 RK_{269} 5 4.3 273.°10 0.°6/ 4.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 10.32	−19 16.1	1.795	2.647	13.7	21.2
4 11	15 5.31	−18 58.4	1.713	2.640	10.3	20.9
4 21	14 58.09	−18 29.7	1.654	2.633	6.2	20.7
5 1	14 49.42	−17 51.9	1.620	2.626	1.8	20.4
5 11	14 40.35	−17 9.0	1.614	2.619	2.9	20.4
5 21	14 31.95	−16 25.8	1.635	2.612	7.4	20.7
5 31	14 25.16	−15 47.9	1.681	2.605	11.4	20.9
6 10	14 20.65	−15 19.5	1.748	2.598	15.0	21.1

161568 2005 BC_2 5 4.3 250.°46 3.°2/ 1.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 9.52	− 8 32.7	2.003	2.867	12.1	20.0
4 11	15 4.40	− 7 55.5	1.927	2.860	8.9	19.8
4 21	14 57.41	− 7 16.4	1.874	2.854	5.5	19.6
5 1	14 49.23	− 6 39.5	1.848	2.847	3.3	19.4
5 11	14 40.75	− 6 9.3	1.850	2.841	4.9	19.5
5 21	14 32.85	− 5 49.3	1.879	2.834	8.3	19.7
5 31	14 26.33	− 5 42.2	1.933	2.827	11.7	19.9
6 10	14 21.76	− 5 49.2	2.007	2.820	14.7	20.1

233702 2008 SF_{51} 5 4.3 175.°07 0.°7/ 3.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 9.99	−16 4.4	2.101	2.953	12.0	21.3
4 11	15 4.66	−15 33.4	2.025	2.954	8.8	21.1
4 21	14 57.52	−14 54.9	1.974	2.955	5.2	20.9
5 1	14 49.25	−14 11.7	1.950	2.956	1.3	20.6
5 11	14 40.74	−13 27.8	1.954	2.957	3.0	20.7
5 21	14 32.86	−12 47.5	1.987	2.957	6.8	21.0
5 31	14 26.36	−12 14.7	2.045	2.957	10.3	21.2
6 10	14 21.79	−11 52.6	2.125	2.956	13.4	21.4

378620 2008 FY_{66} 5 4.3 309°.17 0°.7/ 3.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
4 1	15 0.87	−15 1.0	4.167	5.012	6.7	20.6
4 11	14 57.30	−14 15.5	4.080	5.007	4.8	20.5
4 21	14 52.92	−13 26.1	4.022	5.003	2.8	20.3
5 1	14 48.06	−12 34.8	3.993	4.998	0.9	20.1
5 11	14 43.10	−11 43.9	3.994	4.993	1.9	20.2
5 21	14 38.40	−10 55.8	4.025	4.989	4.0	20.4
5 31	14 34.32	−10 12.5	4.084	4.984	5.9	20.5
6 10	14 31.12	− 9 35.9	4.169	4.979	7.7	20.6

69819 1998 RK_{62} 5 4.3 219°.81 4°.4/30.1 18 R

4 1	15 8.11	− 4 57.3	2.387	3.247	10.5	19.8
4 11	15 3.08	− 3 47.3	2.310	3.239	7.9	19.6
4 21	14 56.52	− 2 36.8	2.258	3.230	5.4	19.5
5 1	14 49.00	− 1 30.8	2.234	3.221	4.4	19.4
5 11	14 41.24	− 0 34.4	2.239	3.211	5.8	19.4
5 21	14 33.97	+ 0 8.6	2.272	3.202	8.5	19.6
5 31	14 27.84	+ 0 35.6	2.329	3.191	11.2	19.8
6 10	14 23.32	+ 0 45.9	2.407	3.180	13.7	19.9

464180 2015 AA_{179} 5 4.3 172°.76 0°.6/ 4.8 17

4 1	15 12.52	−19 8.5	2.019	2.862	12.8	21.6
4 11	15 6.63	−18 54.8	1.942	2.865	9.5	21.4
4 21	14 58.73	−18 31.5	1.889	2.867	5.7	21.1
5 1	14 49.57	−18 0.2	1.863	2.868	1.7	20.9
5 11	14 40.12	−17 24.4	1.865	2.870	2.7	20.9
5 21	14 31.35	−16 48.1	1.896	2.870	6.7	21.2
5 31	14 24.11	−16 16.0	1.952	2.871	10.4	21.4
6 10	14 18.98	−15 51.8	2.031	2.870	13.6	21.6

485988 2012 KC_{4} 5 4.3 143°.34 16°.9/21.0 18

4 1	15 14.61	+16 48.8	1.237	2.081	19.2	20.8
4 11	15 8.79	+19 39.7	1.212	2.089	17.5	20.7
4 21	15 0.17	+22 1.8	1.207	2.097	16.9	20.7
5 1	14 49.92	+23 40.9	1.222	2.104	17.5	20.8
5 11	14 39.56	+24 29.2	1.257	2.110	19.1	20.9
5 21	14 30.46	+24 27.0	1.308	2.116	21.1	21.0
5 31	14 23.72	+23 39.7	1.373	2.121	23.1	21.2
6 10	14 19.91	+22 16.6	1.450	2.125	24.9	21.4

396490 2014 FN_{48} 5 4.3 31°.71 4°.4/ 1.9 17

4 1	15 11.46	− 3 31.3	1.841	2.705	12.9	19.9
4 11	15 5.77	− 3 25.5	1.785	2.716	9.7	19.8
4 21	14 58.16	− 3 24.1	1.752	2.727	6.4	19.6
5 1	14 49.41	− 3 30.6	1.746	2.739	4.5	19.5
5 11	14 40.50	− 3 47.6	1.767	2.751	5.8	19.6
5 21	14 32.37	− 4 16.3	1.814	2.764	8.9	19.8
5 31	14 25.80	− 4 56.8	1.886	2.778	12.1	20.0
6 10	14 21.33	− 5 48.2	1.978	2.791	14.9	20.2

262920 2007 CN_{64} 5 4.3 92°.48 2°.1/ 5.8 17

4 1	15 11.84	−23 8.6	1.747	2.588	14.6	21.1
4 11	15 6.37	−22 57.9	1.679	2.597	11.0	20.9
4 21	14 58.65	−22 33.1	1.634	2.607	7.0	20.7
5 1	14 49.55	−21 55.5	1.614	2.616	3.0	20.4
5 11	14 40.21	−21 8.9	1.622	2.625	3.2	20.5
5 21	14 31.73	−20 18.6	1.656	2.634	7.1	20.7
5 31	14 25.03	−19 30.8	1.715	2.643	11.0	21.0
6 10	14 20.70	−18 50.7	1.796	2.652	14.4	21.2

502848 2015 DA_{171} 5 4.4 167°.11 9°.4/25.2 17

4 1	15 7.99	+ 5 30.9	1.824	2.685	13.2	21.0
4 11	15 3.30	+ 7 36.8	1.774	2.686	10.9	20.9
4 21	14 56.75	+ 9 33.8	1.748	2.687	9.5	20.8
5 1	14 49.06	+11 12.4	1.748	2.687	9.6	20.8
5 11	14 41.19	+12 25.1	1.773	2.688	11.2	20.9
5 21	14 34.02	+13 8.3	1.821	2.689	13.5	21.0
5 31	14 28.32	+13 21.5	1.889	2.689	15.9	21.2
6 10	14 24.63	+13 7.5	1.974	2.689	18.0	21.4

165027 2000 DU_{12} 5 4.4 167°.58 0°.8/ 4.9 17

4 1	15 10.20	−19 28.0	2.119	2.963	12.3	20.9
4 11	15 4.88	−19 20.1	2.042	2.964	9.1	20.7
4 21	14 57.69	−19 3.2	1.988	2.965	5.5	20.5
5 1	14 49.31	−18 38.7	1.961	2.966	1.8	20.2
5 11	14 40.66	−18 9.5	1.962	2.966	2.5	20.3
5 21	14 32.62	−17 39.2	1.991	2.967	6.3	20.5
5 31	14 25.97	−17 12.0	2.046	2.967	9.9	20.8
6 10	14 21.29	−16 51.4	2.124	2.967	12.9	21.0

303855 2005 SC_{205} 5 4.4 237°.74 0°.3/ 4.6 18

4 1	15 9.81	−17 26.1	2.604	3.444	10.4	20.7
4 11	15 4.35	−17 25.4	2.513	3.434	7.7	20.5
4 21	14 57.30	−17 18.8	2.447	3.425	4.6	20.3
5 1	14 49.22	−17 7.3	2.409	3.415	1.3	20.1
5 11	14 40.82	−16 52.9	2.401	3.404	2.2	20.1
5 21	14 32.84	−16 38.1	2.421	3.394	5.6	20.3
5 31	14 25.96	−16 25.8	2.469	3.383	8.7	20.5
6 10	14 20.70	−16 18.6	2.540	3.372	11.4	20.7

90803 1994 WG_{5} 5 4.4 124°.08 0°.5/ 4.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
4 1	15 15.53	−16 0.7	1.561	2.418	15.2	19.5
4 11	15 9.18	−15 47.8	1.499	2.429	11.2	19.3
4 21	15 0.35	−15 26.4	1.459	2.440	6.6	19.1
5 1	14 50.00	−14 59.2	1.444	2.451	1.6	18.8
5 11	14 39.39	−14 30.4	1.457	2.461	3.5	18.9
5 21	14 29.76	−14 4.8	1.496	2.470	8.3	19.2
5 31	14 22.13	−13 46.8	1.560	2.479	12.5	19.5
6 10	14 17.12	−13 39.8	1.644	2.488	16.1	19.7

338388 2003 AA_{14} 5 4.4 115°.26 4°.9/29.7 17

4 1	15 8.89	+ 0 14.5	2.735	3.584	9.7	20.9
4 11	15 3.30	+ 1 4.0	2.688	3.605	7.4	20.8
4 21	14 56.48	+ 1 48.8	2.666	3.625	5.5	20.7
5 1	14 48.98	+ 2 25.1	2.673	3.645	4.9	20.7
5 11	14 41.44	+ 2 49.8	2.709	3.665	5.9	20.8
5 21	14 34.47	+ 3 1.1	2.772	3.683	7.9	20.9
5 31	14 28.56	+ 2 58.3	2.860	3.702	10.0	21.1
6 10	14 24.09	+ 2 42.2	2.969	3.719	11.8	21.2

58840 1998 HT_{53} 5 4.4 99°.43 0°.5/ 4.1 18

4 1	15 14.73	−15 17.7	1.517	2.379	15.3	18.9
4 11	15 8.71	−15 16.3	1.453	2.386	11.3	18.7
4 21	15 0.15	−15 7.8	1.411	2.393	6.6	18.4
5 1	14 49.97	−14 54.3	1.394	2.400	1.7	18.1
5 11	14 39.47	−14 39.2	1.403	2.407	3.6	18.3
5 21	14 29.90	−14 26.7	1.439	2.414	8.4	18.6
5 31	14 22.33	−14 20.9	1.498	2.420	12.7	18.8
6 10	14 17.44	−14 24.8	1.579	2.427	16.4	19.1

205514 2001 SP_{9} 5 4.4 65°.28 2°.4/ 5.6 18

4 1	15 18.63	−20 40.9	2.083	2.910	13.1	19.5
4 11	15 11.03	−21 37.5	2.020	2.931	9.9	19.3
4 21	15 1.31	−22 26.1	1.982	2.951	6.3	19.1
5 1	14 50.25	−23 5.0	1.972	2.972	3.0	18.9
5 11	14 38.92	−23 34.2	1.992	2.992	3.2	19.0
5 21	14 28.36	−23 55.1	2.041	3.013	6.5	19.2
5 31	14 19.48	−24 10.7	2.117	3.034	9.8	19.5
6 10	14 12.87	−24 24.6	2.216	3.054	12.6	19.7

506883 2008 AG_{75} 5 4.4 131°.10 2°.5/ 6.6 17

4 1	15 9.61	−25 46.5	2.516	3.333	11.4	22.2
4 11	15 4.21	−25 40.5	2.439	3.342	8.8	22.1
4 21	14 57.19	−25 22.7	2.387	3.350	5.8	21.9
5 1	14 49.19	−24 53.8	2.362	3.358	3.1	21.7
5 11	14 41.01	−24 16.0	2.365	3.365	2.9	21.7
5 21	14 33.40	−23 32.8	2.397	3.372	5.5	21.9
5 31	14 27.05	−22 48.7	2.456	3.379	8.3	22.1
6 10	14 22.43	−22 7.7	2.539	3.386	11.0	22.3

338820 2003 WU_{71} 5 4.4 195°.30 4°.6/ 8.5 18

4 1	15 11.35	−32 27.6	2.318	3.109	13.1	20.7
4 11	15 5.78	−32 26.1	2.230	3.107	10.6	20.5
4 21	14 58.25	−32 7.4	2.165	3.105	7.8	20.3
5 1	14 49.48	−31 30.6	2.125	3.103	5.4	20.1
5 11	14 40.42	−30 37.8	2.113	3.101	4.7	20.1
5 21	14 31.99	−29 33.1	2.129	3.098	6.5	20.2
5 31	14 25.04	−28 22.5	2.171	3.094	9.3	20.4
6 10	14 20.14	−27 12.5	2.237	3.091	12.0	20.5

140414 2001 TO_{85} 5 4.4 134°.54 0°.7/ 5.0 18

4 1	15 8.18	−21 3.1	2.343	3.181	11.4	20.1
4 11	15 3.19	−20 27.7	2.267	3.187	8.5	19.9
4 21	14 56.60	−19 41.8	2.216	3.192	5.2	19.7
5 1	14 49.04	−18 47.7	2.192	3.197	1.7	19.4
5 11	14 41.31	−17 49.2	2.198	3.202	2.3	19.5
5 21	14 34.18	−16 50.8	2.231	3.207	5.8	19.7
5 31	14 28.32	−15 57.1	2.292	3.211	9.0	19.9
6 10	14 24.19	−15 12.0	2.376	3.216	11.9	20.1

235914 2005 EL_{43} 5 4.4 32°.94 5°.2/ 7.6 17

4 1	15 12.22	−28 54.9	1.674	2.499	15.9	20.2
4 11	15 6.95	−29 31.7	1.608	2.508	12.6	20.0
4 21	14 59.15	−29 51.2	1.564	2.518	9.1	19.8
5 1	14 49.74	−29 51.6	1.543	2.529	6.0	19.6
5 11	14 39.95	−29 34.1	1.547	2.540	5.5	19.6
5 21	14 31.04	−29 2.8	1.578	2.551	7.9	19.8
5 31	14 24.09	−28 24.2	1.632	2.563	11.3	20.0
6 10	14 19.77	−27 45.3	1.708	2.575	14.5	20.2

295169 2008 FR_{71} 5 4.4 270°.65 3°.9/30.7 17

4 1	15 6.36	− 5 59.8	2.347	3.210	10.5	21.0
4 11	15 1.86	− 5 3.2	2.270	3.202	7.8	20.8
4 21	14 55.84	− 4 5.9	2.219	3.194	5.2	20.6
5 1	14 48.86	− 3 12.6	2.195	3.186	3.9	20.5
5 11	14 41.66	− 2 27.6	2.199	3.178	5.4	20.6
5 21	14 34.93	− 1 54.7	2.230	3.170	8.1	20.7
5 31	14 29.33	− 1 36.2	2.286	3.162	10.9	20.9
6 10	14 25.33	− 1 32.9	2.363	3.153	13.4	21.0

143053 2002 WG_3 5 4.4 294.°17 3.°3/ 6.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
4 1	15 12.45	−24 31.6	1.973	2.802	13.6	19.5
4 11	15 6.99	−25 2.9	1.878	2.787	10.6	19.3
4 21	14 59.20	−25 22.9	1.807	2.772	7.2	19.0
5 1	14 49.79	−25 30.5	1.761	2.757	4.0	18.8
5 11	14 39.76	−25 26.1	1.743	2.742	3.9	18.8
5 21	14 30.23	−25 12.3	1.751	2.727	7.1	18.9
5 31	14 22.23	−24 53.6	1.785	2.712	10.8	19.1
6 10	14 16.53	−24 35.2	1.842	2.697	14.1	19.3

125018 2001 TY_{177} 5 4.4 64.°30 2.°1/ 5.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 13.30	−22 22.7	1.290	2.149	17.6	20.3
4 11	15 8.07	−22 14.5	1.230	2.158	13.3	20.1
4 21	14 59.92	−21 49.4	1.190	2.167	8.4	19.8
5 1	14 49.94	−21 8.8	1.173	2.177	3.3	19.6
5 11	14 39.63	−20 17.7	1.181	2.186	3.7	19.6
5 21	14 30.47	−19 23.4	1.214	2.196	8.7	19.9
5 31	14 23.66	−18 34.0	1.270	2.205	13.4	20.2
6 10	14 19.87	−17 55.7	1.345	2.215	17.4	20.5

117140 2004 PX_{88} 5 4.4 222.°02 1.°4/ 3.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 10.47	−13 51.7	2.338	3.187	11.1	21.0
4 11	15 4.94	−13 15.4	2.249	3.177	8.1	20.8
4 21	14 57.70	−12 33.2	2.185	3.166	4.8	20.6
5 1	14 49.36	−11 47.8	2.150	3.155	1.6	20.4
5 11	14 40.70	−11 3.3	2.143	3.142	3.3	20.5
5 21	14 32.54	−10 23.6	2.166	3.130	6.8	20.7
5 31	14 25.60	− 9 52.2	2.214	3.116	10.1	20.8
6 10	14 20.42	− 9 31.8	2.286	3.102	13.0	21.0

212822 2007 UU_{17} 5 4.4 325.°75 0.°4/ 4.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 11.10	−18 30.3	1.305	2.174	16.8	20.7
4 11	15 6.58	−18 18.5	1.231	2.168	12.6	20.4
4 21	14 59.17	−17 53.9	1.179	2.162	7.6	20.1
5 1	14 49.79	−17 18.6	1.150	2.156	2.1	19.7
5 11	14 39.85	−16 37.7	1.145	2.150	3.7	19.8
5 21	14 30.79	−15 57.4	1.165	2.145	9.2	20.1
5 31	14 23.91	−15 24.7	1.207	2.140	14.1	20.4
6 10	14 19.99	−15 4.7	1.268	2.136	18.4	20.6

102211 Angelofaggiano 5 4.4 182.°39 0.°2/ 4.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 13.06	−17 32.1	2.113	2.956	12.3	20.9
4 11	15 6.94	−17 2.2	2.034	2.958	9.1	20.7
4 21	14 58.90	−16 23.4	1.979	2.958	5.4	20.5
5 1	14 49.66	−15 38.2	1.952	2.958	1.3	20.2
5 11	14 40.15	−14 50.5	1.954	2.957	2.8	20.3
5 21	14 31.29	−14 4.8	1.984	2.955	6.8	20.5
5 31	14 23.90	−13 25.7	2.041	2.952	10.4	20.8
6 10	14 18.53	−12 56.6	2.120	2.949	13.5	21.0

520231 2014 DG_{153} 5 4.4 11.°32 6.°1/28.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 4.73	− 3 28.3	1.847	2.722	12.3	20.3
4 11	15 0.91	− 1 46.8	1.789	2.724	9.4	20.2
4 21	14 55.35	− 0 6.4	1.757	2.727	6.9	20.0
5 1	14 48.75	+ 1 25.1	1.750	2.730	6.2	20.0
5 11	14 41.97	+ 2 40.5	1.771	2.734	7.9	20.1
5 21	14 35.84	+ 3 35.0	1.816	2.738	10.7	20.3
5 31	14 31.10	+ 4 6.0	1.883	2.743	13.6	20.4
6 10	14 28.22	+ 4 14.2	1.970	2.748	16.1	20.6

50003 2000 AM_{16} 5 4.4 203.°19 2.°7/ 6.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 13.10	−25 18.1	1.872	2.701	14.3	19.2
4 11	15 7.36	−25 8.4	1.788	2.698	11.0	19.0
4 21	14 59.33	−24 43.2	1.727	2.694	7.3	18.8
5 1	14 49.80	−24 2.8	1.692	2.690	3.6	18.5
5 11	14 39.88	−23 10.4	1.684	2.686	3.5	18.5
5 21	14 30.68	−22 11.3	1.703	2.681	7.1	18.7
5 31	14 23.19	−21 12.0	1.749	2.675	10.9	18.9
6 10	14 18.08	−20 19.0	1.816	2.669	14.4	19.1

165210 2000 SB_4 5 4.4 191.°16 4.°5/ 1.4 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 12.89	− 6 51.4	1.707	2.573	13.7	20.3
4 11	15 7.10	− 5 58.4	1.638	2.572	10.2	20.1
4 21	14 59.11	− 5 4.3	1.593	2.571	6.6	19.9
5 1	14 49.73	− 4 14.8	1.574	2.569	4.5	19.7
5 11	14 40.04	− 3 35.8	1.581	2.567	6.3	19.8
5 21	14 31.12	− 3 11.6	1.615	2.564	10.0	20.0
5 31	14 23.89	− 3 4.9	1.673	2.560	13.6	20.2
6 10	14 18.97	− 3 16.2	1.750	2.557	16.8	20.4

498503 2008 DM_{13} 5 4.4 136.°16 2.°9/ 1.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 7.60	− 6 18.0	3.119	3.969	8.6	23.3
4 11	15 2.29	− 5 30.6	3.059	3.985	6.3	23.1
4 21	14 55.89	− 4 43.3	3.026	4.000	4.1	23.0
5 1	14 48.86	− 3 59.4	3.023	4.015	2.9	22.9
5 11	14 41.77	− 3 21.9	3.050	4.029	4.0	23.0
5 21	14 35.14	− 2 53.0	3.106	4.043	6.2	23.2
5 31	14 29.42	− 2 34.4	3.188	4.056	8.4	23.3
6 10	14 24.97	− 2 26.8	3.294	4.068	10.3	23.5

322689 1999 VG_{150} 5 4.4 165.°60 0.°3/ 4.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
4 1	15 14.22	−18 20.0	2.025	2.866	12.8	22.2
4 11	15 7.85	−18 6.4	1.950	2.872	9.5	22.0
4 21	14 59.46	−17 43.9	1.899	2.877	5.7	21.7
5 1	14 49.81	−17 14.2	1.875	2.881	1.6	21.5
5 11	14 39.89	−16 40.6	1.881	2.885	2.7	21.6
5 21	14 30.68	−16 7.1	1.914	2.887	6.8	21.8
5 31	14 23.03	−15 38.2	1.974	2.890	10.5	22.0
6 10	14 17.53	−15 17.4	2.056	2.891	13.6	22.3

287904 2003 SO_{430} 5 4.4 255.°03 2.°7/ 2.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 12.84	−11 28.1	1.828	2.688	13.2	22.3
4 11	15 7.22	−10 43.0	1.734	2.666	9.8	22.1
4 21	14 59.32	− 9 51.4	1.663	2.644	5.9	21.8
5 1	14 49.83	− 8 57.8	1.618	2.621	2.8	21.5
5 11	14 39.77	− 8 7.4	1.602	2.597	4.8	21.6
5 21	14 30.23	− 7 25.8	1.613	2.573	9.0	21.8
5 31	14 22.21	− 6 57.7	1.648	2.547	13.1	22.0
6 10	14 16.47	− 6 45.7	1.704	2.521	16.7	22.2

30375 Kathuang 5 4.4 280.°05 2.°1/ 5.7 18 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 11.74	−22 32.2	1.722	2.566	14.6	19.3
4 11	15 6.68	−22 31.8	1.629	2.549	11.2	19.1
4 21	14 59.11	−22 18.0	1.557	2.531	7.2	18.8
5 1	14 49.80	−21 50.9	1.512	2.514	3.1	18.5
5 11	14 39.85	−21 13.1	1.492	2.496	3.4	18.5
5 21	14 30.49	−20 29.6	1.499	2.478	7.7	18.7
5 31	14 22.85	−19 46.4	1.531	2.460	12.0	18.9
6 10	14 17.72	−19 9.8	1.584	2.442	15.8	19.1

306756 2000 YR_{72} 5 4.4 161.°24 1.°7/ 5.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 14.51	−22 53.3	1.991	2.822	13.5	21.6
4 11	15 8.12	−22 34.6	1.916	2.829	10.2	21.4
4 21	14 59.64	−22 2.7	1.864	2.836	6.4	21.2
5 1	14 49.86	−21 19.0	1.840	2.842	2.6	21.0
5 11	14 39.84	−20 27.1	1.843	2.847	2.9	21.0
5 21	14 30.59	−19 32.1	1.875	2.851	6.7	21.2
5 31	14 23.00	−18 39.7	1.934	2.855	10.4	21.5
6 10	14 17.64	−17 55.0	2.015	2.857	13.6	21.7

517665 2015 BR_{544} 5 4.4 251.°74 2.°9/ 2.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 10.52	− 9 21.5	1.903	2.767	12.6	21.3
4 11	15 5.23	− 8 53.5	1.829	2.763	9.3	21.0
4 21	14 57.97	− 8 23.5	1.779	2.760	5.7	20.8
5 1	14 49.45	− 7 55.1	1.755	2.756	3.0	20.6
5 11	14 40.62	− 7 32.5	1.759	2.753	4.7	20.7
5 21	14 32.42	− 7 19.2	1.789	2.749	8.3	20.9
5 31	14 25.70	− 7 17.8	1.844	2.745	11.9	21.1
6 10	14 21.05	− 7 29.5	1.920	2.741	15.0	21.3

213224 2000 WU_{16} 5 4.4 141.°58 0.°7/ 3.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 14.04	−15 59.4	1.726	2.580	14.1	20.8
4 11	15 7.92	−15 35.0	1.659	2.589	10.4	20.6
4 21	14 59.57	−15 2.2	1.616	2.597	6.1	20.4
5 1	14 49.85	−14 24.1	1.599	2.605	1.5	20.1
5 11	14 39.88	−13 45.0	1.610	2.612	3.4	20.2
5 21	14 30.77	−13 9.9	1.647	2.619	7.8	20.5
5 31	14 23.45	−12 43.3	1.710	2.625	11.8	20.8
6 10	14 18.50	−12 28.4	1.794	2.631	15.2	21.0

55378 2001 SA_{255} 5 4.4 326.°92 4.°2/ 1.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 8.84	− 8 32.5	1.515	2.393	14.4	17.9
4 11	15 4.42	− 7 39.1	1.445	2.386	10.7	17.7
4 21	14 57.67	− 6 42.6	1.398	2.380	6.7	17.4
5 1	14 49.40	− 5 49.1	1.375	2.373	4.2	17.2
5 11	14 40.75	− 5 5.1	1.377	2.368	6.3	17.4
5 21	14 32.86	− 4 36.1	1.405	2.362	10.3	17.6
5 31	14 26.72	− 4 25.6	1.454	2.357	14.3	17.8
6 10	14 23.00	− 4 34.3	1.523	2.353	17.8	18.0

36704 2000 RQ_{23} 5 4.4 279.°59 1.°2/ 5.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 10.25	−21 1.9	1.773	2.622	14.0	19.5
4 11	15 5.39	−20 44.3	1.685	2.610	10.6	19.3
4 21	14 58.25	−20 13.7	1.621	2.598	6.6	19.0
5 1	14 49.56	−19 31.6	1.581	2.586	2.3	18.7
5 11	14 40.40	−18 42.0	1.569	2.573	3.0	18.7
5 21	14 31.88	−17 50.1	1.583	2.561	7.4	19.0
5 31	14 24.99	−17 2.2	1.622	2.549	11.6	19.2
6 10	14 20.44	−16 23.4	1.683	2.537	15.3	19.4

476703 2008 TQ_{145} 5 4.4 146.°61 0.°7/ 3.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 4.27	−14 13.8	3.859	4.702	7.2	23.0
4 11	14 59.79	−13 48.7	3.785	4.710	5.2	22.9
4 21	14 54.42	−13 20.4	3.738	4.718	3.0	22.7
5 1	14 48.51	−12 50.6	3.721	4.726	0.9	22.6
5 11	14 42.52	−12 21.4	3.734	4.734	1.9	22.7
5 21	14 36.85	−11 54.6	3.777	4.741	4.1	22.8
5 31	14 31.88	−11 32.2	3.847	4.748	6.2	23.0
6 10	14 27.92	−11 15.6	3.943	4.755	8.1	23.1

170484 2003 UN_{272} 5 4.4 15°.26 1°.3/ 3.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
4 1	15 14.55	−12 45.0	1.367	2.237	16.1	19.5
4 11	15 8.89	−12 54.4	1.301	2.238	11.9	19.2
4 21	15 0.43	−12 59.9	1.256	2.240	7.0	19.0
5 1	14 50.13	−13 3.5	1.235	2.241	2.0	18.7
5 11	14 39.36	−13 8.2	1.241	2.243	4.1	18.8
5 21	14 29.52	−13 17.2	1.271	2.246	9.2	19.1
5 31	14 21.84	−13 33.6	1.324	2.249	13.9	19.4
6 10	14 17.04	−13 59.6	1.397	2.252	17.8	19.6

3974 Verveer 5 4.4 37°.32 4°.2/ 6.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 16.34	−24 0.5	1.524	2.364	16.4	15.9
4 11	15 10.20	−24 58.2	1.458	2.372	12.7	15.6
4 21	15 1.22	−25 43.3	1.413	2.379	8.6	15.4
5 1	14 50.33	−26 13.0	1.392	2.388	5.0	15.2
5 11	14 38.93	−26 27.1	1.398	2.396	4.8	15.2
5 21	14 28.45	−26 28.4	1.429	2.405	8.3	15.5
5 31	14 20.12	−26 22.2	1.485	2.414	12.3	15.7
6 10	14 14.73	−26 14.8	1.561	2.424	15.8	16.0

63597 2001 QH_{65} 5 4.4 170°.96 5°.5/29.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 10.44	− 0 57.8	2.299	3.153	11.0	19.4
4 11	15 4.76	+ 0 11.0	2.236	3.158	8.5	19.2
4 21	14 57.51	+ 1 16.4	2.199	3.161	6.3	19.1
5 1	14 49.32	+ 2 13.1	2.190	3.164	5.6	19.1
5 11	14 40.97	+ 2 56.3	2.208	3.167	6.9	19.1
5 21	14 33.21	+ 3 23.0	2.254	3.168	9.3	19.3
5 31	14 26.70	+ 3 31.8	2.324	3.169	11.8	19.5
6 10	14 21.91	+ 3 23.2	2.414	3.169	14.1	19.6

433515 2013 WP_{59} 5 4.4 233°.67 0°.7/ 3.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 11.82	−15 11.1	2.133	2.982	12.0	21.8
4 11	15 6.14	−14 53.1	2.043	2.971	8.8	21.6
4 21	14 58.52	−14 28.7	1.978	2.959	5.2	21.4
5 1	14 49.62	−14 0.0	1.940	2.946	1.4	21.1
5 11	14 40.32	−13 30.4	1.931	2.933	3.0	21.2
5 21	14 31.54	−13 3.5	1.950	2.920	7.0	21.4
5 31	14 24.12	−12 43.0	1.995	2.906	10.6	21.6
6 10	14 18.66	−12 31.8	2.063	2.892	13.8	21.8

243612 1999 BQ_8 5 4.4 162°.04 1°.5/ 3.4 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 14.49	−14 8.3	1.641	2.500	14.5	22.0
4 11	15 8.39	−13 38.1	1.572	2.504	10.6	21.7
4 21	14 59.92	−13 0.7	1.526	2.509	6.2	21.5
5 1	14 49.97	−12 19.7	1.507	2.512	1.9	21.2
5 11	14 39.72	−11 40.0	1.515	2.516	4.0	21.4
5 21	14 30.33	−11 6.8	1.549	2.518	8.5	21.6
5 31	14 22.80	−10 44.3	1.608	2.520	12.6	21.9
6 10	14 17.75	−10 35.3	1.688	2.522	16.1	22.1

225580 2000 VH_4 5 4.4 113°.36 0°.2/ 4.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 9.51	−19 8.3	1.889	2.740	13.2	20.4
4 11	15 4.46	−18 12.2	1.820	2.748	9.7	20.2
4 21	14 57.47	−17 4.1	1.774	2.755	5.7	20.0
5 1	14 49.32	−15 48.0	1.756	2.762	1.4	19.7
5 11	14 41.01	−14 29.7	1.766	2.769	3.0	19.9
5 21	14 33.46	−13 15.7	1.803	2.776	7.2	20.1
5 31	14 27.46	−12 11.7	1.866	2.782	10.9	20.4
6 10	14 23.55	−11 21.8	1.951	2.789	14.1	20.6

91609 1999 TX_{21} 5 4.4 91°.16 1°.6/ 5.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 13.07	−20 49.5	1.917	2.758	13.5	19.1
4 11	15 7.10	−20 57.0	1.851	2.771	10.1	18.9
4 21	14 59.06	−20 54.2	1.809	2.784	6.3	18.7
5 1	14 49.74	−20 41.8	1.793	2.796	2.5	18.5
5 11	14 40.19	−20 22.5	1.805	2.809	2.9	18.5
5 21	14 31.43	−19 59.7	1.845	2.822	6.7	18.8
5 31	14 24.31	−19 38.1	1.910	2.834	10.3	19.0
6 10	14 19.41	−19 21.5	1.998	2.846	13.4	19.3

24891 1997 AT_2 5 4.4 235°.09 1°.5/ 5.2 18 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 16.30	−20 27.4	1.588	2.434	15.5	19.2
4 11	15 10.20	−20 29.2	1.500	2.422	11.8	18.9
4 21	15 1.29	−20 18.7	1.434	2.410	7.3	18.6
5 1	14 50.41	−19 56.2	1.393	2.397	2.6	18.3
5 11	14 38.84	−19 24.6	1.379	2.383	3.4	18.3
5 21	14 27.97	−18 48.8	1.392	2.369	8.3	18.6
5 31	14 19.06	−18 15.0	1.429	2.354	13.0	18.8
6 10	14 12.96	−17 49.2	1.487	2.338	17.0	19.0

99220 2001 HE_{54} 5 4.4 21°.40 12°.4/25.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 8.13	+13 23.5	1.584	2.433	15.4	18.5
4 11	15 3.61	+14 55.5	1.548	2.439	13.6	18.4
4 21	14 57.02	+16 7.6	1.533	2.445	12.5	18.3
5 1	14 49.22	+16 51.2	1.540	2.452	12.6	18.3
5 11	14 41.31	+17 1.4	1.568	2.460	13.9	18.4
5 21	14 34.28	+16 37.6	1.617	2.469	15.7	18.6
5 31	14 28.97	+15 42.7	1.684	2.478	17.8	18.7
6 10	14 25.87	+14 22.2	1.767	2.487	19.7	18.9

319115 2005 XW_{33} 5 4.4 329°.12 5°.1/ 8.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
4 1	15 9.29	−32 9.1	1.633	2.452	16.5	19.7
4 11	15 4.96	−31 48.3	1.550	2.446	13.3	19.5
4 21	14 58.08	−31 2.7	1.487	2.440	9.6	19.2
5 1	14 49.55	−29 52.1	1.448	2.434	6.3	19.0
5 11	14 40.62	−28 20.2	1.434	2.429	5.3	18.9
5 21	14 32.56	−26 34.8	1.446	2.425	7.9	19.1
5 31	14 26.45	−24 46.2	1.483	2.420	11.7	19.3
6 10	14 22.97	−23 4.3	1.542	2.416	15.4	19.5

480798 2016 PS_{56} 5 4.4 311°.26 3°.5/ 2.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 10.09	− 6 37.4	2.029	2.892	12.0	20.6
4 11	15 4.84	− 6 18.9	1.954	2.886	8.9	20.4
4 21	14 57.73	− 6 1.1	1.902	2.880	5.6	20.1
5 1	14 49.44	− 5 47.5	1.877	2.875	3.5	20.0
5 11	14 40.83	− 5 41.6	1.880	2.869	5.0	20.1
5 21	14 32.80	− 5 45.8	1.910	2.864	8.3	20.3
5 31	14 26.13	− 6 1.8	1.964	2.859	11.5	20.5
6 10	14 21.39	− 6 29.9	2.040	2.854	14.4	20.6

329580 2002 WW_{22} 5 4.4 208°.00 0°.9/ 5.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 1.40	−23 8.9	4.630	5.448	6.5	20.7
4 11	14 57.67	−22 37.9	4.540	5.447	4.9	20.6
4 21	14 53.18	−22 0.6	4.476	5.445	3.1	20.4
5 1	14 48.23	−21 18.2	4.442	5.443	1.3	20.3
5 11	14 43.20	−20 32.6	4.438	5.442	1.4	20.3
5 21	14 38.43	−19 45.6	4.465	5.440	3.2	20.4
5 31	14 34.25	−18 59.6	4.520	5.438	5.0	20.6
6 10	14 30.91	−18 16.7	4.602	5.436	6.6	20.7

39767 1997 GD_{12} 5 4.4 2°.36 2°.9/ 5.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 12.86	−21 44.2	1.328	2.188	17.2	18.0
4 11	15 7.94	−22 15.1	1.259	2.187	13.1	17.8
4 21	15 0.03	−22 32.9	1.211	2.186	8.5	17.5
5 1	14 50.09	−22 36.7	1.185	2.187	3.9	17.2
5 11	14 39.58	−22 28.3	1.184	2.188	4.1	17.2
5 21	14 29.99	−22 12.0	1.208	2.189	8.7	17.5
5 31	14 22.66	−21 54.0	1.254	2.191	13.4	17.8
6 10	14 18.39	−21 40.6	1.320	2.194	17.4	18.0

235226 2003 SE_{246} 5 4.4 273°.25 1°.6/ 3.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 9.33	−13 34.8	1.911	2.772	12.6	20.8
4 11	15 4.45	−13 1.1	1.830	2.764	9.3	20.5
4 21	14 57.58	−12 21.0	1.774	2.756	5.5	20.3
5 1	14 49.42	−11 38.0	1.743	2.748	1.9	20.0
5 11	14 40.91	−10 56.6	1.740	2.740	3.8	20.1
5 21	14 33.00	−10 21.4	1.765	2.732	7.8	20.4
5 31	14 26.55	− 9 56.4	1.813	2.724	11.5	20.6
6 10	14 22.15	− 9 44.2	1.884	2.716	14.8	20.8

162407 2000 DF_{94} 5 4.4 53°.53 7°.4/ 9.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 14.62	−35 46.6	1.907	2.690	15.8	20.2
4 11	15 8.75	−36 39.0	1.835	2.698	13.2	20.0
4 21	15 0.30	−37 11.4	1.784	2.706	10.4	19.9
5 1	14 50.14	−37 20.5	1.756	2.714	8.2	19.8
5 11	14 39.51	−37 5.9	1.754	2.723	7.5	19.7
5 21	14 29.71	−36 31.0	1.777	2.732	8.8	19.8
5 31	14 21.85	−35 42.2	1.824	2.740	11.2	20.0
6 10	14 16.65	−34 47.7	1.894	2.749	13.8	20.2

142021 2002 QB_1 5 4.4 257°.90 2°.5/ 6.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 13.47	−24 8.6	1.872	2.704	14.1	21.2
4 11	15 7.86	−24 1.9	1.771	2.683	10.9	21.0
4 21	14 59.82	−23 40.5	1.693	2.662	7.2	20.7
5 1	14 50.05	−23 4.3	1.640	2.640	3.4	20.4
5 11	14 39.63	−22 16.0	1.615	2.618	3.4	20.4
5 21	14 29.75	−21 20.3	1.617	2.595	7.4	20.5
5 31	14 21.50	−20 23.8	1.645	2.571	11.5	20.7
6 10	14 15.67	−19 33.2	1.695	2.547	15.3	20.9

475606 2006 UV_{130} 5 4.4 256°.16 0°.6/ 4.9 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 9.27	−19 28.4	2.421	3.260	11.1	22.6
4 11	15 4.16	−19 13.1	2.324	3.244	8.3	22.4
4 21	14 57.33	−18 49.1	2.252	3.229	5.0	22.1
5 1	14 49.37	−18 17.8	2.208	3.213	1.6	21.9
5 11	14 41.05	−17 41.9	2.192	3.197	2.3	21.9
5 21	14 33.17	−17 5.0	2.206	3.180	5.9	22.1
5 31	14 26.45	−16 30.9	2.245	3.163	9.3	22.3
6 10	14 21.47	−16 3.3	2.308	3.146	12.2	22.4

473196 2015 KQ_{77} 5 4.4 226°.71 4°.3/30.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 8.34	− 3 56.2	2.383	3.241	10.6	21.4
4 11	15 3.31	− 3 11.4	2.308	3.235	7.9	21.2
4 21	14 56.74	− 2 28.1	2.258	3.229	5.5	21.1
5 1	14 49.21	− 1 50.5	2.236	3.223	4.3	21.0
5 11	14 41.45	− 1 22.3	2.242	3.217	5.6	21.0
5 21	14 34.18	− 1 6.6	2.275	3.210	8.2	21.2
5 31	14 28.05	− 1 4.9	2.333	3.203	10.9	21.4
6 10	14 23.54	− 1 17.5	2.412	3.196	13.3	21.5

2020	α_{2000}	δ_{2000}	Δ	r	β	V
500838 2013 GV_{137}			5 4.4 233°.98	0°.0/ 3.9 17		
	h m	° ′			°	m
4 1	14 48.87	−14 44.1	45.447	46.290	0.7	23.5
4 11	14 48.24	−14 41.2	45.363	46.288	0.5	23.5
4 21	14 47.55	−14 38.1	45.306	46.287	0.3	23.5
5 1	14 46.83	−14 34.9	45.279	46.285	0.1	23.4
5 11	14 46.10	−14 31.7	45.281	46.283	0.2	23.5
5 21	14 45.39	−14 28.6	45.312	46.282	0.4	23.5
5 31	14 44.72	−14 25.8	45.371	46.280	0.6	23.5
6 10	14 44.11	−14 23.3	45.457	46.279	0.7	23.5
189124 2001 XO_{21}			5 4.4 60°.23	8°.0/10.4 17		
4 1	15 13.90	−37 31.1	1.698	2.482	17.4	19.5
4 11	15 8.40	−38 1.9	1.630	2.493	14.5	19.4
4 21	15 0.14	−38 8.0	1.582	2.504	11.6	19.2
5 1	14 50.12	−37 46.1	1.556	2.515	9.0	19.1
5 11	14 39.75	−36 57.5	1.555	2.526	8.0	19.0
5 21	14 30.42	−35 47.5	1.578	2.537	9.2	19.1
5 31	14 23.29	−34 25.0	1.625	2.549	11.8	19.3
6 10	14 19.02	−32 59.9	1.694	2.560	14.6	19.5
31390 1998 YB_{4}			5 4.4 198°.84	2°.4/ 6.2 18		
4 1	15 14.98	−25 5.5	1.858	2.685	14.4	19.8
4 11	15 8.79	−24 45.2	1.772	2.682	11.1	19.6
4 21	15 0.24	−24 8.5	1.710	2.678	7.2	19.3
5 1	14 50.15	−23 16.2	1.673	2.673	3.4	19.1
5 11	14 39.67	−22 11.9	1.664	2.667	3.3	19.1
5 21	14 29.94	−21 1.6	1.683	2.660	7.2	19.3
5 31	14 21.97	−19 52.5	1.729	2.653	11.2	19.5
6 10	14 16.45	−18 51.4	1.796	2.645	14.7	19.7
391369 2006 VO_{130}			5 4.4 242°.17	0°.2/ 4.2 16		
4 1	15 8.30	−17 10.6	2.414	3.260	10.9	21.9
4 11	15 3.37	−16 46.4	2.327	3.253	8.0	21.7
4 21	14 56.83	−16 14.8	2.265	3.245	4.7	21.4
5 1	14 49.25	−15 38.1	2.230	3.236	1.2	21.2
5 11	14 41.40	−14 59.2	2.225	3.228	2.5	21.3
5 21	14 34.02	−14 22.0	2.247	3.219	6.0	21.5
5 31	14 27.80	−13 50.0	2.296	3.211	9.3	21.7
6 10	14 23.27	−13 26.1	2.369	3.202	12.1	21.8
425368 2010 CQ_{4}			5 4.4 144°.93	4°.1/ 1.2 17		
4 1	15 10.19	− 5 26.0	2.160	3.019	11.5	20.9
4 11	15 4.70	− 4 40.4	2.096	3.026	8.5	20.7
4 21	14 57.56	− 3 55.7	2.058	3.032	5.6	20.5
5 1	14 49.42	− 3 16.2	2.046	3.038	4.1	20.4
5 11	14 41.12	− 2 46.2	2.063	3.044	5.5	20.5
5 21	14 33.45	− 2 28.7	2.107	3.049	8.4	20.7
5 31	14 27.09	− 2 25.5	2.176	3.054	11.3	20.9
6 10	14 22.54	− 2 36.6	2.266	3.059	13.8	21.1
155826 2000 WL_{172}			5 4.4 243°.10	7°.9/28.1 18		
4 1	15 10.90	+ 5 3.6	2.048	2.898	12.4	20.3
4 11	15 5.43	+ 6 6.7	1.977	2.887	10.1	20.1
4 21	14 58.10	+ 7 1.4	1.930	2.875	8.3	20.0
5 1	14 49.59	+ 7 41.5	1.909	2.863	7.9	19.9
5 11	14 40.77	+ 8 1.8	1.914	2.851	9.3	20.0
5 21	14 32.52	+ 8 0.0	1.944	2.838	11.6	20.1
5 31	14 25.63	+ 7 35.7	1.997	2.825	14.1	20.3
6 10	14 20.67	+ 6 50.9	2.068	2.812	16.5	20.4
187910 2000 UN_{70}			5 4.4 273°.69	1°.1/ 5.2 18		
4 1	15 11.91	−21 4.1	2.016	2.855	13.0	21.0
4 11	15 6.58	−20 46.3	1.908	2.827	9.9	20.7
4 21	14 59.03	−20 16.4	1.823	2.799	6.2	20.4
5 1	14 49.89	−19 35.1	1.765	2.769	2.2	20.1
5 11	14 40.13	−18 45.6	1.735	2.740	2.8	20.1
5 21	14 30.78	−17 52.7	1.733	2.709	7.1	20.3
5 31	14 22.86	−17 2.0	1.757	2.678	11.2	20.5
6 10	14 17.09	−16 19.1	1.803	2.647	14.8	20.6
6620 Peregrina			5 4.4 230°.44	1°.3/ 5.4 18		
4 1	15 12.71	−20 56.4	2.467	3.295	11.3	19.4
4 11	15 6.69	−20 55.3	2.368	3.281	8.5	19.2
4 21	14 58.86	−20 45.3	2.294	3.266	5.3	19.0
5 1	14 49.81	−20 27.0	2.248	3.251	2.1	18.8
5 11	14 40.34	−20 2.3	2.232	3.235	2.4	18.8
5 21	14 31.31	−19 34.3	2.244	3.218	5.9	19.0
5 31	14 23.49	−19 6.6	2.284	3.201	9.2	19.1
6 10	14 17.48	−18 43.2	2.348	3.183	12.1	19.3
36984 2000 SM_{348}			5 4.4 49°.66	9°.5/27.9 17		
4 1	15 10.86	+ 7 1.2	1.696	2.552	14.2	18.6
4 11	15 5.55	+ 8 9.2	1.646	2.555	11.8	18.4
4 21	14 58.19	+ 9 4.4	1.618	2.559	9.9	18.3
5 1	14 49.61	+ 9 39.5	1.614	2.563	9.6	18.3
5 11	14 40.84	+ 9 49.3	1.635	2.567	10.9	18.4
5 21	14 32.89	+ 9 32.4	1.678	2.571	13.2	18.5
5 31	14 26.60	+ 8 49.9	1.743	2.575	15.7	18.7
6 10	14 22.50	+ 7 45.7	1.825	2.579	18.0	18.9

2020	α_{2000}	δ_{2000}	Δ	r	β	V
292972 2006 VL_{140}			5 4.4 167°.14	2°.9/ 2.1 17		
	h m	° ′			°	m
4 1	15 9.60	− 6 59.2	2.464	3.319	10.4	21.0
4 11	15 4.16	− 6 39.3	2.392	3.321	7.7	20.8
4 21	14 57.23	− 6 19.9	2.345	3.322	4.8	20.7
5 1	14 49.36	− 6 3.6	2.326	3.324	3.0	20.5
5 11	14 41.30	− 5 53.5	2.336	3.325	4.3	20.6
5 21	14 33.74	− 5 51.5	2.374	3.326	7.0	20.8
5 31	14 27.33	− 5 59.4	2.438	3.326	9.8	21.0
6 10	14 22.53	− 6 17.5	2.525	3.327	12.3	21.2
384921 2012 TN_{73}			5 4.4 277°.36	2°.0/ 5.9 17		
4 1	15 10.43	−22 56.3	1.958	2.796	13.4	21.3
4 11	15 5.37	−22 52.9	1.873	2.789	10.2	21.0
4 21	14 58.21	−22 37.2	1.811	2.782	6.5	20.8
5 1	14 49.65	−22 9.6	1.775	2.776	2.9	20.6
5 11	14 40.70	−21 33.1	1.766	2.769	3.0	20.6
5 21	14 32.35	−20 51.8	1.784	2.762	6.7	20.8
5 31	14 25.53	−20 11.0	1.828	2.756	10.5	21.0
6 10	14 20.88	−19 35.9	1.894	2.749	13.8	21.2
389268 2009 FE_{75}			5 4.4 69°.16	0°.8/ 3.7 17		
4 1	15 7.65	−17 6.2	2.095	2.949	12.0	20.7
4 11	15 2.92	−16 12.8	2.031	2.961	8.7	20.5
4 21	14 56.53	−15 10.7	1.992	2.974	5.1	20.3
5 1	14 49.18	−14 3.9	1.981	2.987	1.3	20.0
5 11	14 41.71	−12 57.3	1.997	2.999	3.0	20.2
5 21	14 34.92	−11 56.0	2.042	3.012	6.7	20.4
5 31	14 29.50	−11 4.5	2.112	3.025	10.0	20.7
6 10	14 25.89	−10 25.9	2.205	3.038	12.9	20.9
283394 2000 RR_{82}			5 4.4 216°.01	3°.9/29.9 18		
4 1	15 6.68	− 4 44.8	2.795	3.651	9.3	21.2
4 11	15 1.92	− 3 35.2	2.717	3.643	6.9	21.0
4 21	14 55.87	− 2 25.4	2.665	3.635	4.8	20.8
5 1	14 49.02	− 1 19.7	2.642	3.627	3.9	20.8
5 11	14 41.98	− 0 22.2	2.648	3.618	5.2	20.8
5 21	14 35.35	+ 0 23.5	2.683	3.609	7.5	21.0
5 31	14 29.67	+ 0 55.2	2.743	3.599	9.9	21.1
6 10	14 25.36	+ 1 12.1	2.825	3.589	12.0	21.3
472835 2015 FE_{224}			5 4.4 302°.46	0°.8/ 4.9 17		
4 1	15 11.53	−18 26.2	1.806	2.658	13.7	21.2
4 11	15 6.34	−18 33.9	1.721	2.648	10.3	21.0
4 21	14 58.87	−18 33.2	1.660	2.638	6.3	20.7
5 1	14 49.85	−18 24.8	1.623	2.629	2.0	20.4
5 11	14 40.33	−18 11.2	1.615	2.619	2.9	20.4
5 21	14 31.41	−17 55.8	1.632	2.610	7.3	20.7
5 31	14 24.09	−17 42.9	1.675	2.601	11.4	20.9
6 10	14 19.09	−17 36.3	1.739	2.592	14.9	21.1
374402 2005 VB_{126}			5 4.4 225°.09	0°.6/ 4.8 17		
4 1	15 12.77	−19 0.6	2.054	2.896	12.7	22.7
4 11	15 6.98	−18 49.6	1.965	2.887	9.5	22.5
4 21	14 59.13	−18 29.3	1.900	2.878	5.7	22.2
5 1	14 49.90	−18 0.9	1.862	2.867	1.7	22.0
5 11	14 40.25	−17 27.5	1.852	2.857	2.7	22.0
5 21	14 31.17	−16 53.1	1.871	2.845	6.8	22.2
5 31	14 23.55	−16 22.2	1.915	2.834	10.6	22.4
6 10	14 18.02	−15 58.8	1.982	2.822	13.9	22.6
414766 2010 MN_{2}			5 4.4 231°.71	6°.9/26.8 18		
4 1	15 7.16	+ 5 22.6	2.540	3.387	10.4	21.5
4 11	15 2.38	+ 6 40.3	2.472	3.378	8.5	21.4
4 21	14 56.19	+ 7 51.5	2.430	3.369	7.2	21.3
5 1	14 49.11	+ 8 50.4	2.414	3.359	7.1	21.3
5 11	14 41.82	+ 9 32.6	2.426	3.349	8.3	21.3
5 21	14 34.98	+ 9 55.5	2.463	3.338	10.2	21.4
5 31	14 29.18	+ 9 58.3	2.522	3.328	12.2	21.6
6 10	14 24.89	+ 9 41.9	2.601	3.317	14.1	21.7
207932 2008 YW_{16}			5 4.4 182°.00	1°.8/ 3.1 17 R		
4 1	15 9.38	−12 26.5	2.126	2.983	11.7	20.7
4 11	15 4.26	−11 57.4	2.052	2.984	8.5	20.5
4 21	14 57.39	−11 23.9	2.002	2.984	5.0	20.3
5 1	14 49.43	−10 49.1	1.979	2.984	1.9	20.1
5 11	14 41.23	−10 16.9	1.985	2.983	3.6	20.2
5 21	14 33.61	− 9 50.9	2.018	2.983	7.1	20.4
5 31	14 27.31	− 9 34.1	2.077	2.983	10.5	20.6
6 10	14 22.87	− 9 28.6	2.158	2.982	13.4	20.8
55712 3174 T_{-3}			5 4.4 247°.43	0°.2/ 4.2 18		
4 1	15 9.07	−17 14.9	2.178	3.028	11.8	20.3
4 11	15 4.10	−16 49.9	2.094	3.021	8.7	20.1
4 21	14 57.34	−16 16.8	2.034	3.014	5.1	19.9
5 1	14 49.43	−15 37.9	2.001	3.007	1.3	19.6
5 11	14 41.22	−14 56.8	1.997	3.000	2.7	19.7
5 21	14 33.54	−14 17.5	2.020	2.993	6.5	19.9
5 31	14 27.16	−13 44.2	2.069	2.985	10.0	20.1
6 10	14 22.64	−13 20.0	2.141	2.978	13.1	20.3

87387 2000 QW_{65} 5 4.4 107.°52 6.°5/29.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
4 1	15 10.63	− 0 1.2	1.931	2.792	12.5	19.2
4 11	15 5.10	+ 1 7.6	1.882	2.806	9.7	19.0
4 21	14 57.81	+ 2 10.8	1.858	2.820	7.3	18.9
5 1	14 49.52	+ 3 2.2	1.860	2.834	6.5	18.9
5 11	14 41.13	+ 3 36.7	1.889	2.847	7.9	19.0
5 21	14 33.51	+ 3 51.7	1.944	2.861	10.4	19.2
5 31	14 27.37	+ 3 46.5	2.021	2.873	13.1	19.4
6 10	14 23.18	+ 3 22.8	2.118	2.886	15.4	19.6

111256 2001 XX_{18} 5 4.4 205.°91 1.°9/ 3.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 10.33	−10 21.1	2.457	3.309	10.5	20.0
4 11	15 4.77	−10 10.8	2.377	3.306	7.7	19.8
4 21	14 57.63	− 9 58.8	2.323	3.304	4.6	19.6
5 1	14 49.50	− 9 47.4	2.298	3.301	2.0	19.4
5 11	14 41.11	− 9 39.1	2.301	3.298	3.4	19.5
5 21	14 33.20	− 9 36.1	2.333	3.295	6.5	19.7
5 31	14 26.46	− 9 40.4	2.391	3.291	9.5	19.9
6 10	14 21.36	− 9 53.2	2.472	3.288	12.2	20.1

390680 2002 TA_{291} 5 4.4 114.°64 2.°4/ 6.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 14.18	−24 55.0	2.813	3.620	10.6	22.1
4 11	15 7.37	−25 10.8	2.747	3.644	8.1	22.0
4 21	14 59.05	−25 16.9	2.706	3.666	5.4	21.8
5 1	14 49.84	−25 13.2	2.694	3.689	2.9	21.7
5 11	14 40.49	−25 1.1	2.712	3.710	2.8	21.7
5 21	14 31.74	−24 42.9	2.760	3.731	5.1	21.9
5 31	14 24.22	−24 22.0	2.836	3.752	7.6	22.1
6 10	14 18.38	−24 1.8	2.937	3.771	10.0	22.3

416498 2003 XS_{29} 5 4.4 157.°19 0.°5/ 4.8 14 C

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 13.77	−19 26.6	1.910	2.753	13.4	22.5
4 11	15 7.67	−19 4.8	1.838	2.760	10.0	22.3
4 21	14 59.47	−18 32.4	1.789	2.766	6.0	22.0
5 1	14 49.97	−17 51.4	1.767	2.772	1.8	21.8
5 11	14 40.23	−17 5.7	1.773	2.777	2.8	21.9
5 21	14 31.24	−16 20.2	1.807	2.782	7.0	22.1
5 31	14 23.90	−15 40.1	1.867	2.785	10.8	22.4
6 10	14 18.79	−15 9.3	1.949	2.789	14.1	22.6

61935 2000 RT_{7} 5 4.4 123.°23 2.°4/ 2.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 8.02	− 9 21.3	2.584	3.439	10.0	18.9
4 11	15 2.92	− 8 46.7	2.519	3.449	7.3	18.7
4 21	14 56.45	− 8 10.5	2.479	3.459	4.4	18.6
5 1	14 49.17	− 7 35.9	2.468	3.468	2.4	18.4
5 11	14 41.77	− 7 6.1	2.486	3.477	3.8	18.5
5 21	14 34.89	− 6 43.7	2.532	3.487	6.5	18.7
5 31	14 29.10	− 6 31.0	2.605	3.495	9.2	18.9
6 10	14 24.82	− 6 28.8	2.700	3.504	11.6	19.1

249463 2009 HV_{96} 5 4.4 254.°46 5.°2/29.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 7.65	− 0 22.5	2.444	3.301	10.4	20.5
4 11	15 2.80	+ 0 26.8	2.370	3.292	8.0	20.3
4 21	14 56.47	+ 1 12.3	2.320	3.283	6.0	20.2
5 1	14 49.20	+ 1 49.6	2.298	3.274	5.3	20.1
5 11	14 41.70	+ 2 14.9	2.303	3.264	6.5	20.2
5 21	14 34.65	+ 2 25.4	2.335	3.255	8.8	20.3
5 31	14 28.70	+ 2 20.1	2.391	3.245	11.3	20.4
6 10	14 24.31	+ 1 59.2	2.468	3.235	13.5	20.6

501334 2013 XS_{16} 5 4.4 159.°47 1.°0/ 5.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 12.13	−19 35.4	2.054	2.895	12.7	22.2
4 11	15 6.43	−19 35.3	1.977	2.898	9.5	22.0
4 21	14 58.74	−19 26.2	1.924	2.900	5.8	21.8
5 1	14 49.80	−19 9.1	1.898	2.902	2.0	21.5
5 11	14 40.55	−18 46.7	1.900	2.904	2.6	21.6
5 21	14 31.95	−18 22.3	1.930	2.906	6.5	21.8
5 31	14 24.82	−18 0.2	1.986	2.907	10.1	22.1
6 10	14 19.76	−17 43.9	2.064	2.909	13.2	22.3

332075 2005 SW_{226} 5 4.4 24.°98 0.°2/ 4.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 12.05	−17 28.4	1.596	2.455	14.8	20.7
4 11	15 6.80	−17 23.6	1.526	2.457	11.0	20.5
4 21	14 59.14	−17 9.5	1.477	2.459	6.6	20.2
5 1	14 49.93	−16 48.1	1.454	2.460	1.8	19.9
5 11	14 40.33	−16 23.0	1.458	2.462	3.2	20.0
5 21	14 31.54	−15 58.7	1.487	2.465	7.9	20.3
5 31	14 24.59	−15 39.9	1.541	2.467	12.2	20.5
6 10	14 20.15	−15 30.5	1.615	2.469	15.8	20.8

374432 2005 WC_{155} 5 4.4 241.°49 0.°4/ 4.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 11.67	−18 52.8	1.988	2.834	12.9	21.6
4 11	15 6.24	−18 35.2	1.899	2.823	9.6	21.4
4 21	14 58.73	−18 7.7	1.833	2.811	5.8	21.1
5 1	14 49.83	−17 32.0	1.794	2.799	1.7	20.8
5 11	14 40.49	−16 51.4	1.783	2.787	2.8	20.9
5 21	14 31.72	−16 10.5	1.799	2.774	7.0	21.1
5 31	14 24.42	−15 34.2	1.842	2.761	10.9	21.3
6 10	14 19.25	−15 6.6	1.906	2.748	14.2	21.5

258891 2002 QR_{66} 5 4.4 187.°47 3.°3/ 6.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
4 1	15 14.49	−25 27.0	1.813	2.641	14.7	21.6
4 11	15 8.54	−25 36.4	1.733	2.641	11.4	21.4
4 21	15 0.17	−25 31.0	1.675	2.640	7.6	21.2
5 1	14 50.20	−25 10.3	1.643	2.639	4.1	21.0
5 11	14 39.80	−24 36.6	1.638	2.638	3.9	20.9
5 21	14 30.15	−23 54.2	1.660	2.636	7.3	21.1
5 31	14 22.30	−23 9.5	1.707	2.634	11.1	21.4
6 10	14 16.93	−22 28.6	1.777	2.632	14.5	21.6

134699 1999 XX_{118} 5 4.4 175.°92 0.°8/ 5.0 18 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 13.82	−20 11.5	2.052	2.889	12.9	20.3
4 11	15 7.65	−19 53.4	1.973	2.892	9.6	20.1
4 21	14 59.46	−19 24.7	1.918	2.894	5.9	19.9
5 1	14 49.99	−18 47.0	1.891	2.895	1.9	19.6
5 11	14 40.24	−18 3.7	1.892	2.896	2.6	19.7
5 21	14 31.17	−17 19.4	1.921	2.896	6.6	19.9
5 31	14 23.64	−16 38.9	1.977	2.895	10.3	20.1
6 10	14 18.24	−16 6.5	2.056	2.894	13.5	20.4

387426 2013 VJ_{20} 5 4.4 229.°05 1.°0/ 3.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 14.40	−13 8.7	2.158	3.005	12.0	21.0
4 11	15 8.09	−13 8.9	2.069	2.995	8.8	20.8
4 21	14 59.77	−13 5.3	2.004	2.984	5.2	20.5
5 1	14 50.11	−12 59.7	1.966	2.972	1.5	20.2
5 11	14 40.01	−12 54.5	1.958	2.960	3.1	20.3
5 21	14 30.41	−12 52.1	1.979	2.947	7.0	20.5
5 31	14 22.18	−12 55.2	2.026	2.934	10.6	20.7
6 10	14 15.95	−13 6.0	2.096	2.920	13.8	20.9

442601 2012 DC_{39} 5 4.4 125.°23 17.°1/20.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 14.96	+14 59.8	1.158	2.011	19.7	20.8
4 11	15 9.18	+18 13.8	1.138	2.024	17.8	20.7
4 21	15 0.54	+20 58.2	1.138	2.036	17.1	20.7
5 1	14 50.26	+22 57.4	1.159	2.047	17.7	20.8
5 11	14 39.92	+24 2.8	1.198	2.058	19.4	20.9
5 21	14 30.94	+24 14.8	1.254	2.068	21.5	21.1
5 31	14 24.41	+23 39.4	1.325	2.078	23.6	21.3
6 10	14 20.87	+22 26.5	1.406	2.087	25.4	21.5

330389 2006 XQ_{58} 5 4.4 351.°54 3.°8/ 6.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 10.31	−25 46.7	1.433	2.281	16.8	20.1
4 11	15 5.98	−25 55.2	1.359	2.277	13.1	19.8
4 21	14 58.87	−25 45.6	1.305	2.274	8.8	19.6
5 1	14 49.91	−25 17.3	1.275	2.272	4.8	19.3
5 11	14 40.43	−24 33.4	1.269	2.270	4.4	19.3
5 21	14 31.83	−23 40.0	1.287	2.269	8.3	19.5
5 31	14 25.32	−22 45.0	1.329	2.268	12.6	19.7
6 10	14 21.64	−21 56.1	1.392	2.268	16.6	20.0

474035 2016 GW_{191} 5 4.4 218.°58 2.°1/ 2.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 9.63	−12 34.6	2.466	3.317	10.5	21.4
4 11	15 4.29	−11 34.3	2.378	3.307	7.7	21.2
4 21	14 57.38	−10 28.1	2.315	3.296	4.6	21.0
5 1	14 49.47	− 9 19.7	2.282	3.285	2.1	20.8
5 11	14 41.30	− 8 13.9	2.278	3.272	3.7	20.9
5 21	14 33.60	− 7 15.1	2.304	3.260	6.9	21.1
5 31	14 27.05	− 6 27.2	2.355	3.246	10.0	21.3
6 10	14 22.13	− 5 52.8	2.430	3.232	12.8	21.4

504605 2008 UT_{147} 5 4.4 176.°77 0.°3/ 4.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 10.57	−18 42.0	2.188	3.032	11.9	22.2
4 11	15 5.16	−18 23.6	2.110	3.033	8.8	22.0
4 21	14 57.96	−17 56.4	2.056	3.034	5.3	21.8
5 1	14 49.62	−17 22.4	2.029	3.034	1.5	21.5
5 11	14 41.03	−16 44.8	2.030	3.035	2.5	21.6
5 21	14 33.02	−16 7.5	2.060	3.035	6.3	21.9
5 31	14 26.38	−15 34.7	2.116	3.034	9.7	22.1
6 10	14 21.63	−15 9.7	2.195	3.034	12.7	22.3

55676 Klythios 5 4.4 19.°08 2.°3/ 7.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 3.80	−28 28.8	4.242	5.036	7.5	19.6
4 11	14 59.59	−28 35.9	4.154	5.037	5.9	19.5
4 21	14 54.43	−28 35.3	4.090	5.038	4.2	19.3
5 1	14 48.70	−28 27.1	4.055	5.039	2.7	19.2
5 11	14 42.81	−28 12.2	4.049	5.040	2.5	19.2
5 21	14 37.19	−27 52.3	4.072	5.042	3.7	19.3
5 31	14 32.25	−27 29.3	4.123	5.043	5.4	19.4
6 10	14 28.31	−27 5.6	4.200	5.044	7.0	19.5

99620 2002 GP_{85} 5 4.4 269.°32 1.°7/ 3.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 12.97	−13 38.1	1.602	2.466	14.5	19.6
4 11	15 7.69	−13 12.7	1.513	2.447	10.8	19.3
4 21	14 59.84	−12 40.0	1.446	2.429	6.4	19.0
5 1	14 50.19	−12 3.1	1.404	2.410	2.1	18.7
5 11	14 39.88	−11 27.0	1.389	2.390	4.3	18.8
5 21	14 30.17	−10 56.9	1.400	2.370	9.1	19.0
5 31	14 22.22	−10 37.7	1.435	2.350	13.6	19.2
6 10	14 16.82	−10 32.8	1.490	2.330	17.6	19.4

382371 2013 TU_{101} 5 4.4 106°.29 2°.6/ 6.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
4 1	15 13.80	−23 38.6	2.013	2.842	13.4	21.0
4 11	15 7.69	−23 54.0	1.944	2.854	10.2	20.8
4 21	14 59.51	−23 57.8	1.898	2.865	6.7	20.6
5 1	14 50.03	−23 49.6	1.878	2.876	3.3	20.4
5 11	14 40.29	−23 31.6	1.886	2.887	3.3	20.4
5 21	14 31.28	−23 7.2	1.922	2.898	6.5	20.6
5 31	14 23.89	−22 41.0	1.984	2.909	9.9	20.9
6 10	14 18.70	−22 17.7	2.069	2.919	13.0	21.1

205763 2002 CM_{35} 5 4.4 200°.33 1°.0/ 3.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 15.75	−14 21.4	1.877	2.726	13.4	20.2
4 11	15 9.26	−14 6.2	1.795	2.723	9.9	20.0
4 21	15 0.53	−13 44.9	1.738	2.718	5.8	19.7
5 1	14 50.32	−13 19.6	1.707	2.713	1.6	19.4
5 11	14 39.70	−12 54.1	1.705	2.707	3.4	19.6
5 21	14 29.74	−12 32.2	1.731	2.700	7.8	19.8
5 31	14 21.43	−12 17.7	1.782	2.692	11.7	20.0
6 10	14 15.41	−12 13.6	1.856	2.684	15.1	20.2

394006 2005 VK_{4} 5 4.4 270°.69 4°.8/ 9.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 10.26	−34 27.7	2.593	3.370	12.2	20.4
4 11	15 5.06	−34 20.5	2.482	3.347	10.1	20.2
4 21	14 57.99	−33 55.9	2.393	3.324	7.7	20.1
5 1	14 49.67	−33 12.8	2.330	3.301	5.6	19.9
5 11	14 40.94	−32 12.6	2.295	3.278	4.9	19.8
5 21	14 32.68	−30 58.9	2.288	3.254	6.3	19.8
5 31	14 25.71	−29 37.2	2.308	3.229	8.9	20.0
6 10	14 20.61	−28 14.1	2.353	3.205	11.5	20.1

471917 2013 DT_{1} 5 4.4 170°.61 2°.2/ 2.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 7.62	− 9 5.0	2.958	3.809	9.0	22.1
4 11	15 2.53	− 8 31.4	2.885	3.813	6.5	21.9
4 21	14 56.22	− 7 56.4	2.837	3.815	4.0	21.7
5 1	14 49.17	− 7 22.8	2.818	3.818	2.3	21.6
5 11	14 41.97	− 6 53.3	2.830	3.820	3.5	21.7
5 21	14 35.20	− 6 30.4	2.869	3.821	6.0	21.9
5 31	14 29.36	− 6 16.1	2.936	3.823	8.4	22.0
6 10	14 24.85	− 6 11.5	3.026	3.823	10.6	22.2

254458 2005 CD_{29} 5 4.4 330°.32 0°.5/ 4.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 10.15	−17 49.6	1.224	2.100	17.3	20.5
4 11	15 6.22	−17 52.0	1.147	2.087	13.0	20.2
4 21	14 59.23	−17 43.1	1.091	2.075	7.9	19.8
5 1	14 50.06	−17 24.4	1.057	2.063	2.2	19.4
5 11	14 40.17	−16 59.9	1.047	2.052	3.8	19.5
5 21	14 31.09	−16 35.2	1.060	2.043	9.5	19.8
5 31	14 24.23	−16 16.8	1.095	2.034	14.8	20.1
6 10	14 20.49	−16 9.7	1.148	2.026	19.3	20.3

235934 2005 EA_{120} 5 4.4 200°.59 0°.4/ 4.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 9.46	−19 32.9	2.231	3.073	11.8	20.9
4 11	15 4.34	−19 2.7	2.149	3.071	8.7	20.7
4 21	14 57.48	−18 22.7	2.091	3.069	5.3	20.5
5 1	14 49.52	−17 35.0	2.061	3.066	1.5	20.2
5 11	14 41.30	−16 43.3	2.059	3.063	2.5	20.3
5 21	14 33.65	−15 52.2	2.086	3.060	6.2	20.5
5 31	14 27.32	−15 6.1	2.139	3.057	9.6	20.7
6 10	14 22.82	−14 28.8	2.215	3.053	12.6	20.9

223277 2003 GJ_{50} 5 4.4 352°.70 1°.4/ 3.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 10.61	−13 44.8	1.511	2.381	14.9	19.9
4 11	15 5.86	−13 31.3	1.440	2.378	11.0	19.7
4 21	14 58.66	−13 11.5	1.392	2.376	6.5	19.4
5 1	14 49.86	−12 48.7	1.369	2.374	1.9	19.1
5 11	14 40.65	−12 27.2	1.371	2.373	4.0	19.2
5 21	14 32.23	−12 11.3	1.398	2.372	8.7	19.5
5 31	14 25.65	−12 5.0	1.449	2.372	13.0	19.7
6 10	14 21.60	−12 10.9	1.520	2.372	16.7	20.0

501592 2014 QK_{166} 5 4.4 199°.75 11°.4/23.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 12.05	+11 47.8	1.835	2.674	14.1	21.7
4 11	15 6.43	+13 55.6	1.785	2.670	12.4	21.5
4 21	14 58.78	+15 49.1	1.759	2.666	11.4	21.5
5 1	14 49.86	+17 18.6	1.757	2.662	11.8	21.5
5 11	14 40.68	+18 17.1	1.779	2.656	13.2	21.5
5 21	14 32.23	+18 41.8	1.823	2.650	15.2	21.7
5 31	14 25.35	+18 33.7	1.885	2.643	17.3	21.8
6 10	14 20.63	+17 56.8	1.963	2.636	19.2	21.9

308365 2005 QS_{164} 5 4.4 235°.74 1°.3/ 3.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 8.04	−13 8.6	2.649	3.499	9.9	21.7
4 11	15 3.08	−12 38.8	2.560	3.489	7.2	21.5
4 21	14 56.66	−12 4.7	2.497	3.478	4.3	21.3
5 1	14 49.31	−11 28.7	2.462	3.467	1.5	21.1
5 11	14 41.70	−10 53.9	2.457	3.456	3.0	21.1
5 21	14 34.50	−10 23.4	2.480	3.444	6.1	21.3
5 31	14 28.33	−10 0.2	2.530	3.432	9.0	21.5
6 10	14 23.67	− 9 46.2	2.603	3.420	11.6	21.7

486028 2012 TX_{28} 5 4.4 303°.54 4°.2/ 9.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
4 1	15 8.55	−36 41.2	4.305	5.046	8.3	20.8
4 11	15 3.19	−37 18.5	4.208	5.041	6.9	20.6
4 21	14 56.65	−37 45.8	4.135	5.036	5.6	20.5
5 1	14 49.31	−38 2.3	4.090	5.031	4.5	20.5
5 11	14 41.69	−38 7.7	4.072	5.026	4.2	20.4
5 21	14 34.32	−38 3.2	4.083	5.022	4.8	20.5
5 31	14 27.68	−37 50.5	4.122	5.017	6.0	20.5
6 10	14 22.20	−37 32.6	4.186	5.012	7.4	20.6

88645 2001 RD_{65} 5 4.4 185°.85 3°.2/ 6.5 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 15.27	−25 42.5	1.649	2.481	15.7	20.2
4 11	15 9.31	−25 37.1	1.571	2.481	12.2	20.0
4 21	15 0.72	−25 14.3	1.514	2.481	8.1	19.7
5 1	14 50.41	−24 34.2	1.482	2.480	4.2	19.5
5 11	14 39.67	−23 40.0	1.477	2.479	3.9	19.5
5 21	14 29.78	−22 37.7	1.499	2.477	7.7	19.7
5 31	14 21.89	−21 35.2	1.545	2.474	11.9	19.9
6 10	14 16.70	−20 39.7	1.613	2.471	15.6	20.2

4933 Tylerlinder 5 4.4 347°.14 1°.7/ 3.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 9.08	−14 43.3	1.192	2.075	17.1	16.6
4 11	15 5.27	−14 11.6	1.125	2.069	12.6	16.3
4 21	14 58.55	−13 29.7	1.078	2.064	7.4	16.0
5 1	14 49.88	−12 42.4	1.054	2.060	2.3	15.6
5 11	14 40.69	−11 56.4	1.054	2.057	4.7	15.8
5 21	14 32.45	−11 18.8	1.077	2.054	10.2	16.1
5 31	14 26.42	−10 55.7	1.121	2.052	15.2	16.3
6 10	14 23.36	−10 50.4	1.183	2.051	19.5	16.6

111621 2002 AQ_{118} 5 4.4 327°.00 7°.5/27.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 7.06	+ 5 54.5	2.282	3.133	11.2	19.4
4 11	15 2.43	+ 7 3.6	2.224	3.132	9.2	19.2
4 21	14 56.29	+ 8 4.0	2.191	3.131	7.8	19.1
5 1	14 49.22	+ 8 50.3	2.184	3.130	7.6	19.1
5 11	14 41.98	+ 9 18.0	2.202	3.129	8.8	19.2
5 21	14 35.29	+ 9 25.1	2.245	3.128	10.7	19.3
5 31	14 29.77	+ 9 11.3	2.310	3.127	12.8	19.4
6 10	14 25.88	+ 8 38.3	2.394	3.126	14.8	19.6

140308 2001 SK_{316} 5 4.4 213°.85 6°.6/ 9.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 14.49	−34 17.4	1.907	2.697	15.5	19.8
4 11	15 8.73	−34 47.8	1.823	2.695	12.8	19.6
4 21	15 0.41	−34 58.4	1.760	2.692	9.9	19.4
5 1	14 50.36	−34 46.3	1.720	2.689	7.4	19.3
5 11	14 39.79	−34 11.9	1.707	2.686	6.6	19.2
5 21	14 29.97	−33 19.3	1.719	2.683	8.3	19.3
5 31	14 22.02	−32 15.3	1.757	2.679	11.1	19.5
6 10	14 16.68	−31 8.3	1.817	2.676	14.1	19.6

507704 2013 TB_{94} 5 4.4 132°.87 0°.3/ 4.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 14.63	−16 46.8	2.130	2.971	12.3	21.5
4 11	15 8.15	−16 56.3	2.059	2.981	9.1	21.3
4 21	14 59.74	−16 59.7	2.012	2.990	5.4	21.1
5 1	14 50.14	−16 57.8	1.994	2.999	1.5	20.9
5 11	14 40.28	−16 52.7	2.004	3.008	2.6	21.0
5 21	14 31.10	−16 47.0	2.043	3.016	6.4	21.2
5 31	14 23.39	−16 43.7	2.108	3.024	9.9	21.5
6 10	14 17.72	−16 45.6	2.197	3.032	12.9	21.7

66827 1999 UG_{37} 5 4.4 319°.21 1°.8/ 3.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 7.92	−14 59.1	1.217	2.101	16.8	18.8
4 11	15 4.61	−14 23.0	1.133	2.078	12.5	18.5
4 21	14 58.32	−13 34.8	1.070	2.056	7.4	18.2
5 1	14 49.89	−12 39.0	1.029	2.035	2.3	17.8
5 11	14 40.65	−11 42.6	1.012	2.015	4.9	17.9
5 21	14 32.11	−10 53.8	1.018	1.995	10.6	18.1
5 31	14 25.66	−10 20.0	1.045	1.977	16.0	18.3
6 10	14 22.25	−10 5.9	1.089	1.959	20.6	18.6

247164 2000 YL_{131} 5 4.4 182°.71 1°.9/ 6.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 10.05	−24 6.1	3.088	3.901	9.6	21.1
4 11	15 4.42	−24 10.7	3.000	3.902	7.3	21.0
4 21	14 57.42	−24 6.6	2.938	3.902	4.8	20.8
5 1	14 49.54	−23 54.3	2.904	3.901	2.5	20.6
5 11	14 41.44	−23 35.1	2.900	3.900	2.4	20.6
5 21	14 33.74	−23 11.3	2.925	3.899	4.7	20.8
5 31	14 27.03	−22 45.9	2.979	3.897	7.2	21.0
6 10	14 21.76	−22 22.0	3.057	3.895	9.5	21.1

56345 2000 AN_{41} 5 4.4 174°.18 0°.8/ 5.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 14.56	−19 40.6	2.192	3.026	12.3	20.2
4 11	15 8.11	−19 30.6	2.113	3.030	9.2	20.0
4 21	14 59.74	−19 11.3	2.058	3.033	5.6	19.8
5 1	14 50.16	−18 44.1	2.031	3.035	1.8	19.6
5 11	14 40.29	−18 11.6	2.033	3.037	2.5	19.6
5 21	14 31.06	−17 37.8	2.063	3.037	6.3	19.9
5 31	14 23.29	−17 6.8	2.121	3.037	9.8	20.1
6 10	14 17.53	−16 42.4	2.202	3.036	12.9	20.3

29788 Rachelrossi 5 4.4 260°.63 0°.9/ 3.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
4 1	15 10.99	−15 45.8	1.802	2.660	13.4	18.9
4 11	15 5.92	−15 15.1	1.716	2.648	9.9	18.6
4 21	14 58.65	−14 35.6	1.654	2.636	5.9	18.4
5 1	14 49.91	−13 50.2	1.618	2.624	1.6	18.0
5 11	14 40.72	−13 3.8	1.609	2.611	3.5	18.2
5 21	14 32.13	−12 21.3	1.627	2.598	7.9	18.4
5 31	14 25.11	−11 47.8	1.669	2.586	12.0	18.6
6 10	14 20.34	−11 26.9	1.733	2.572	15.5	18.8

439623 2014 FD_{16} 5 4.4 327°.19 4°.1/ 1.1 15

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 5.30	− 8 30.9	1.827	2.702	12.5	20.6
4 11	15 1.64	− 7 23.4	1.746	2.685	9.2	20.4
4 21	14 56.07	− 6 11.8	1.689	2.669	5.9	20.1
5 1	14 49.23	− 5 1.9	1.657	2.654	4.1	20.0
5 11	14 42.03	− 4 0.2	1.653	2.639	5.9	20.1
5 21	14 35.38	− 3 12.3	1.673	2.625	9.5	20.2
5 31	14 30.10	− 2 42.2	1.717	2.611	13.0	20.4
6 10	14 26.79	− 2 31.3	1.781	2.598	16.1	20.6

33876 2000 JJ_{57} 5 4.4 274°.81 3°.7/ 1.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 11.48	− 5 31.7	2.280	3.134	11.1	18.2
4 11	15 5.90	− 5 10.7	2.184	3.111	8.3	17.9
4 21	14 58.51	− 4 50.7	2.113	3.088	5.5	17.7
5 1	14 49.88	− 4 35.1	2.070	3.064	3.7	17.6
5 11	14 40.81	− 4 27.3	2.055	3.040	5.1	17.6
5 21	14 32.12	− 4 29.7	2.068	3.016	8.1	17.7
5 31	14 24.61	− 4 44.2	2.106	2.991	11.3	17.9
6 10	14 18.88	− 5 11.3	2.167	2.966	14.2	18.0

456079 2006 BU_{59} 5 4.4 343°.53 4°.4/27.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 1.58	+ 5 28.3	4.143	4.984	6.8	21.1
4 11	14 57.91	+ 6 8.6	4.081	4.983	5.5	21.0
4 21	14 53.44	+ 6 43.9	4.044	4.982	4.6	20.9
5 1	14 48.51	+ 7 11.6	4.036	4.982	4.5	20.9
5 11	14 43.48	+ 7 29.8	4.055	4.981	5.2	21.0
5 21	14 38.72	+ 7 37.2	4.101	4.980	6.4	21.0
5 31	14 34.55	+ 7 33.4	4.172	4.979	7.7	21.1
6 10	14 31.26	+ 7 18.7	4.264	4.979	9.0	21.2

82032 2000 SQ_{103} 5 4.4 325°.24 4°.6/ 6.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 10.63	−26 46.6	1.763	2.595	14.9	18.4
4 11	15 6.07	−27 25.4	1.669	2.576	11.8	18.2
4 21	14 58.99	−27 50.7	1.596	2.557	8.4	17.9
5 1	14 50.06	−28 0.3	1.548	2.539	5.3	17.7
5 11	14 40.42	−27 54.3	1.526	2.521	4.9	17.6
5 21	14 31.27	−27 35.5	1.529	2.505	7.9	17.8
5 31	14 23.81	−27 9.0	1.556	2.488	11.6	17.9
6 10	14 18.88	−26 41.4	1.604	2.473	15.2	18.1

168499 1999 RK_{223} 5 4.4 212°.46 3°.8/ 6.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 16.18	−26 51.5	1.943	2.759	14.3	20.6
4 11	15 9.82	−27 9.4	1.853	2.753	11.2	20.3
4 21	15 1.03	−27 12.6	1.787	2.746	7.8	20.1
5 1	14 50.56	−26 59.9	1.746	2.738	4.6	19.9
5 11	14 39.55	−26 32.5	1.732	2.730	4.2	19.9
5 21	14 29.19	−25 54.2	1.747	2.721	7.2	20.0
5 31	14 20.53	−25 10.8	1.787	2.711	10.9	20.2
6 10	14 14.34	−24 28.9	1.850	2.701	14.2	20.4

106772 2000 XT_{15} 5 4.4 141°.61 5°.5/10.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 11.41	−37 40.7	2.799	3.552	12.0	19.9
4 11	15 5.68	−37 47.6	2.717	3.560	10.0	19.8
4 21	14 58.25	−37 37.6	2.657	3.568	7.9	19.6
5 1	14 49.78	−37 9.7	2.623	3.575	6.2	19.5
5 11	14 41.11	−36 25.1	2.616	3.582	5.5	19.5
5 21	14 33.05	−35 27.0	2.636	3.589	6.3	19.6
5 31	14 26.32	−34 20.2	2.684	3.596	8.2	19.7
6 10	14 21.41	−33 10.5	2.756	3.602	10.2	19.8

4823 Libenice 5 4.4 200°.69 0°.8/ 4.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 15.37	−19 40.0	1.536	2.387	15.7	17.9
4 11	15 9.47	−19 24.2	1.459	2.385	11.8	17.6
4 21	15 0.89	−18 55.5	1.404	2.382	7.2	17.3
5 1	14 50.52	−18 15.7	1.374	2.379	2.2	17.0
5 11	14 39.67	−17 29.0	1.370	2.375	3.3	17.1
5 21	14 29.66	−16 41.5	1.393	2.370	8.3	17.4
5 31	14 21.67	−15 59.8	1.440	2.365	12.9	17.6
6 10	14 16.43	−15 29.2	1.508	2.360	16.8	17.9

304483 2006 UV_{99} 5 4.4 227°.88 1°.5/ 3.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 8.23	−12 59.0	2.480	3.332	10.4	21.7
4 11	15 3.30	−12 24.5	2.396	3.325	7.6	21.6
4 21	14 56.85	−11 45.3	2.337	3.318	4.5	21.3
5 1	14 49.43	−11 4.3	2.306	3.311	1.7	21.1
5 11	14 41.76	−10 25.0	2.305	3.303	3.2	21.2
5 21	14 34.54	− 9 50.8	2.332	3.295	6.4	21.4
5 31	14 28.44	− 9 25.0	2.385	3.287	9.5	21.6
6 10	14 23.93	− 9 9.5	2.461	3.279	12.2	21.8

498726 2008 TA_{116} 5 4.4 174°.84 0°.7/ 5.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
4 1	15 10.51	−20 48.1	2.694	3.523	10.4	22.7
4 11	15 4.83	−20 18.9	2.612	3.526	7.7	22.6
4 21	14 57.68	−19 40.7	2.555	3.529	4.7	22.4
5 1	14 49.63	−18 55.1	2.526	3.531	1.6	22.2
5 11	14 41.40	−18 5.1	2.528	3.532	2.1	22.2
5 21	14 33.68	−17 14.4	2.559	3.532	5.3	22.4
5 31	14 27.09	−16 27.1	2.618	3.532	8.3	22.6
6 10	14 22.10	−15 46.5	2.701	3.532	10.9	22.8

415047 2011 YP_{73} 5 4.4 80°.81 1°.1/ 3.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 13.86	−14 57.6	1.472	2.337	15.5	21.7
4 11	15 8.11	−14 34.1	1.417	2.352	11.4	21.5
4 21	14 59.90	−14 2.7	1.384	2.367	6.6	21.3
5 1	14 50.22	−13 27.0	1.375	2.381	1.8	21.0
5 11	14 40.35	−12 52.3	1.393	2.396	3.8	21.2
5 21	14 31.52	−12 23.4	1.437	2.410	8.6	21.5
5 31	14 24.70	−12 4.8	1.504	2.425	12.8	21.8
6 10	14 20.48	−11 59.2	1.592	2.439	16.3	22.0

106506 2000 WS_{38} 5 4.4 159°.48 3°.0/ 1.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 7.90	− 6 30.5	2.823	3.676	9.3	20.1
4 11	15 2.79	− 5 54.4	2.753	3.681	6.8	19.9
4 21	14 56.43	− 5 18.5	2.710	3.686	4.4	19.8
5 1	14 49.30	− 4 45.8	2.696	3.690	3.0	19.7
5 11	14 42.04	− 4 19.4	2.711	3.694	4.2	19.8
5 21	14 35.22	− 4 1.5	2.754	3.698	6.6	19.9
5 31	14 29.39	− 3 53.8	2.823	3.701	9.0	20.1
6 10	14 24.93	− 3 57.1	2.915	3.704	11.2	20.3

350735 2001 XV_{256} 5 4.4 174°.10 2°.0/ 2.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 7.82	−10 20.9	3.103	3.950	8.7	22.3
4 11	15 2.65	− 9 39.8	3.027	3.954	6.3	22.2
4 21	14 56.32	− 8 56.3	2.978	3.956	3.8	22.0
5 1	14 49.28	− 8 13.3	2.958	3.958	2.0	21.9
5 11	14 42.10	− 7 33.6	2.968	3.960	3.2	22.0
5 21	14 35.33	− 7 0.0	3.008	3.961	5.7	22.1
5 31	14 29.46	− 6 34.7	3.075	3.961	8.1	22.3
6 10	14 24.87	− 6 19.0	3.166	3.961	10.2	22.4

73514 2003 BB_{48} 5 4.4 354°.93 5°.7/30.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 6.06	− 3 42.7	1.749	2.625	12.9	18.7
4 11	15 2.15	− 2 35.4	1.685	2.621	9.8	18.5
4 21	14 56.32	− 1 29.7	1.645	2.618	6.9	18.3
5 1	14 49.31	− 0 32.3	1.630	2.616	5.7	18.2
5 11	14 42.04	+ 0 10.9	1.641	2.615	7.4	18.3
5 21	14 35.42	+ 0 35.6	1.676	2.614	10.5	18.5
5 31	14 30.26	+ 0 39.8	1.734	2.614	13.6	18.7
6 10	14 27.11	+ 0 24.1	1.811	2.614	16.4	18.9

430171 2013 TN_{89} 5 4.4 209°.84 1°.0/ 5.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 11.49	−20 41.9	1.950	2.792	13.2	21.8
4 11	15 6.14	−20 24.2	1.868	2.790	9.9	21.6
4 21	14 58.71	−19 55.0	1.810	2.786	6.1	21.4
5 1	14 49.94	−19 16.0	1.779	2.783	2.1	21.1
5 11	14 40.83	−18 30.7	1.775	2.779	2.7	21.2
5 21	14 32.36	−17 43.9	1.798	2.775	6.8	21.4
5 31	14 25.44	−17 0.9	1.848	2.771	10.6	21.6
6 10	14 20.66	−16 26.2	1.919	2.766	13.9	21.8

379315 2009 WA_{19} 5 4.5 307°.06 2°.0/ 3.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 10.11	−12 58.9	1.585	2.455	14.3	21.0
4 11	15 5.51	−12 30.0	1.505	2.443	10.6	20.7
4 21	14 58.52	−11 54.5	1.448	2.431	6.3	20.4
5 1	14 49.93	−11 16.2	1.415	2.420	2.3	20.1
5 11	14 40.84	−10 40.5	1.409	2.409	4.4	20.2
5 21	14 32.41	−10 12.2	1.428	2.398	8.9	20.5
5 31	14 25.71	− 9 55.8	1.470	2.387	13.2	20.7
6 10	14 21.43	− 9 54.1	1.532	2.377	17.0	20.9

162757 2000 WP_{87} 5 4.5 138°.21 1°.4/ 5.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 15.97	−21 31.1	2.003	2.834	13.4	21.0
4 11	15 9.20	−21 19.4	1.935	2.850	10.0	20.9
4 21	15 0.39	−20 56.3	1.891	2.864	6.2	20.7
5 1	14 50.35	−20 23.0	1.875	2.878	2.3	20.4
5 11	14 40.13	−19 42.8	1.887	2.891	2.7	20.5
5 21	14 30.72	−19 0.3	1.928	2.903	6.6	20.7
5 31	14 22.98	−18 20.5	1.995	2.914	10.2	21.0
6 10	14 17.46	−17 47.8	2.085	2.924	13.3	21.2

282753 2006 GK_{50} 5 4.5 337°.98 0°.4/ 4.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 2.49	−21 3.9	1.280	2.158	16.5	19.3
4 11	15 0.46	−20 12.5	1.194	2.135	12.4	19.0
4 21	14 55.79	−19 0.1	1.128	2.112	7.6	18.6
5 1	14 49.25	−17 30.3	1.085	2.091	2.2	18.2
5 11	14 42.09	−15 51.0	1.067	2.072	3.6	18.3
5 21	14 35.64	−14 12.5	1.071	2.054	9.3	18.5
5 31	14 31.11	−12 45.6	1.097	2.038	14.5	18.8
6 10	14 29.35	−11 38.3	1.143	2.024	19.1	19.0

56296 1999 RU_{39} 5 4.5 231°.28 2°.3/ 6.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
4 1	15 13.97	−24 44.1	2.004	2.830	13.6	19.2
4 11	15 8.09	−24 26.9	1.907	2.816	10.5	18.9
4 21	14 59.95	−23 54.7	1.834	2.802	6.9	18.7
5 1	14 50.29	−23 7.8	1.787	2.787	3.2	18.4
5 11	14 40.14	−22 9.4	1.768	2.771	3.1	18.4
5 21	14 30.58	−21 4.6	1.778	2.754	6.9	18.6
5 31	14 22.59	−20 0.0	1.813	2.737	10.8	18.8
6 10	14 16.87	−19 1.8	1.872	2.719	14.3	18.9

225024 2007 FK_{15} 5 4.5 102°.48 4°.1/ 7.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 13.79	−27 43.5	1.810	2.631	15.0	20.5
4 11	15 8.02	−27 57.0	1.739	2.640	11.7	20.3
4 21	14 59.88	−27 54.1	1.690	2.648	8.2	20.1
5 1	14 50.25	−27 34.0	1.666	2.657	4.9	19.9
5 11	14 40.29	−26 58.9	1.668	2.665	4.4	19.9
5 21	14 31.17	−26 13.5	1.698	2.673	7.2	20.1
5 31	14 23.88	−25 24.2	1.752	2.681	10.7	20.3
6 10	14 19.06	−24 37.7	1.829	2.689	14.0	20.6

58783 1998 FN_{74} 5 4.5 235°.46 1°.0/ 5.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 12.16	−20 21.7	2.103	2.942	12.5	20.0
4 11	15 6.59	−20 11.2	2.012	2.931	9.4	19.8
4 21	14 58.99	−19 50.6	1.944	2.919	5.8	19.5
5 1	14 50.04	−19 20.8	1.903	2.907	2.0	19.3
5 11	14 40.66	−18 44.7	1.891	2.895	2.6	19.3
5 21	14 31.81	−18 6.4	1.906	2.882	6.6	19.5
5 31	14 24.38	−17 30.5	1.948	2.869	10.3	19.7
6 10	14 19.00	−17 1.5	2.013	2.855	13.6	19.9

222596 2001 XB_{6} 5 4.5 241°.80 0°.0/ 4.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 11.05	−18 7.8	1.903	2.754	13.2	20.2
4 11	15 5.88	−17 39.3	1.818	2.745	9.8	19.9
4 21	14 58.60	−17 0.6	1.756	2.736	5.8	19.7
5 1	14 49.94	−16 14.1	1.721	2.727	1.5	19.4
5 11	14 40.88	−15 24.0	1.714	2.718	2.9	19.4
5 21	14 32.44	−14 35.3	1.733	2.708	7.2	19.7
5 31	14 25.51	−13 53.4	1.779	2.698	11.2	19.9
6 10	14 20.74	−13 22.3	1.846	2.687	14.6	20.1

179464 2002 BM_{1} 5 4.5 98°.70 1°.2/ 3.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 9.40	−13 2.9	2.420	3.271	10.7	20.6
4 11	15 4.07	−12 43.5	2.355	3.284	7.8	20.4
4 21	14 57.25	−12 20.5	2.316	3.297	4.5	20.2
5 1	14 49.54	−11 56.1	2.304	3.309	1.5	20.0
5 11	14 41.69	−11 33.3	2.322	3.322	2.9	20.1
5 21	14 34.41	−11 14.9	2.367	3.334	6.1	20.4
5 31	14 28.33	−11 3.4	2.440	3.346	9.1	20.6
6 10	14 23.89	−11 0.5	2.535	3.358	11.7	20.8

237600 2001 OC_{6} 5 4.5 258°.04 2°.6/ 2.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 8.25	−10 47.8	2.370	3.227	10.7	21.0
4 11	15 3.44	− 9 52.9	2.278	3.209	7.8	20.8
4 21	14 57.01	− 8 53.2	2.211	3.191	4.8	20.6
5 1	14 49.51	− 7 52.6	2.172	3.173	2.6	20.4
5 11	14 41.69	− 6 55.8	2.162	3.154	4.2	20.4
5 21	14 34.29	− 6 7.1	2.180	3.135	7.4	20.6
5 31	14 28.02	− 5 30.1	2.224	3.115	10.6	20.8
6 10	14 23.39	− 5 7.1	2.290	3.095	13.3	20.9

74982 1999 TJ_{242} 5 4.5 149°.92 4°.0/ 1.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 13.39	− 7 3.0	1.897	2.756	12.8	19.9
4 11	15 7.31	− 6 17.4	1.834	2.764	9.5	19.8
4 21	14 59.29	− 5 31.3	1.795	2.772	6.1	19.6
5 1	14 50.08	− 4 49.6	1.784	2.780	4.0	19.4
5 11	14 40.69	− 4 16.9	1.800	2.786	5.6	19.6
5 21	14 32.05	− 3 57.0	1.844	2.793	8.9	19.8
5 31	14 24.98	− 3 52.0	1.912	2.798	12.2	20.0
6 10	14 20.00	− 4 2.2	2.001	2.803	15.1	20.2

9494 Donici 5 4.5 148°.05 1°.8/ 5.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 16.38	−21 12.4	1.491	2.340	16.3	17.8
4 11	15 10.24	−21 13.6	1.422	2.345	12.3	17.6
4 21	15 1.35	−21 1.2	1.374	2.350	7.7	17.3
5 1	14 50.67	−20 36.0	1.351	2.355	2.9	17.0
5 11	14 39.57	−20 1.4	1.355	2.359	3.4	17.1
5 21	14 29.44	−19 23.0	1.384	2.363	8.2	17.3
5 31	14 21.44	−18 47.3	1.438	2.367	12.7	17.6
6 10	14 16.30	−18 19.9	1.512	2.370	16.5	17.9

6844 Shpak 5 4.5 161°.22 3°.7/ 2.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 14.09	− 9 31.6	1.556	2.423	14.7	17.7
4 11	15 8.25	− 8 40.8	1.491	2.427	10.8	17.5
4 21	15 0.02	− 7 46.4	1.450	2.431	6.7	17.2
5 1	14 50.30	− 6 54.1	1.434	2.434	3.8	17.1
5 11	14 40.29	− 6 10.0	1.445	2.437	5.8	17.2
5 21	14 31.16	− 5 39.3	1.481	2.439	9.9	17.4
5 31	14 23.91	− 5 25.5	1.541	2.441	13.8	17.7
6 10	14 19.17	− 5 29.5	1.621	2.443	17.2	17.9

363135 2001 QQ_{199} 5 4.5 175°.88 1°.2/ 1.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
4 1	14 59.60	− 8 40.5	6.749	7.595	4.3	21.6
4 11	14 56.23	− 8 2.4	6.671	7.597	3.1	21.5
4 21	14 52.38	− 7 23.8	6.621	7.598	1.9	21.4
5 1	14 48.26	− 6 45.8	6.603	7.599	1.2	21.4
5 11	14 44.09	− 6 9.9	6.615	7.600	1.8	21.4
5 21	14 40.08	− 5 37.1	6.657	7.601	2.9	21.5
5 31	14 36.42	− 5 8.6	6.728	7.602	4.1	21.6
6 10	14 33.30	− 4 45.0	6.825	7.602	5.2	21.7

403819 2011 UD_{149} 5 4.5 222°.52 0°.4/ 4.0 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 7.13	−17 58.5	2.455	3.301	10.7	21.3
4 11	15 2.51	−17 6.5	2.372	3.298	7.9	21.1
4 21	14 56.39	−16 5.5	2.315	3.295	4.6	20.9
5 1	14 49.33	−14 58.6	2.285	3.291	1.2	20.7
5 11	14 42.08	−13 50.1	2.285	3.287	2.5	20.8
5 21	14 35.33	−12 44.7	2.313	3.284	6.0	21.0
5 31	14 29.72	−11 46.8	2.369	3.280	9.2	21.2
6 10	14 25.72	−10 59.7	2.447	3.276	11.9	21.3

216881 2008 GA_{32} 5 4.5 261°.78 2°.8/29.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 0.68	− 3 8.5	4.418	5.271	6.2	20.7
4 11	14 57.24	− 2 17.6	4.343	5.267	4.7	20.6
4 21	14 53.07	− 1 27.8	4.296	5.263	3.3	20.5
5 1	14 48.45	− 0 41.4	4.278	5.258	2.8	20.5
5 11	14 43.74	− 0 0.7	4.289	5.254	3.6	20.5
5 21	14 39.26	+ 0 32.6	4.329	5.250	5.1	20.6
5 31	14 35.32	+ 0 57.1	4.396	5.245	6.6	20.7
6 10	14 32.18	+ 1 12.4	4.485	5.241	8.0	20.8

270385 2002 AY_{112} 5 4.5 189°.90 2°.0/ 6.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 13.14	−24 3.9	2.540	3.356	11.3	21.8
4 11	15 6.96	−23 57.0	2.451	3.355	8.7	21.6
4 21	14 59.05	−23 39.2	2.387	3.353	5.6	21.4
5 1	14 50.04	−23 11.0	2.351	3.350	2.7	21.2
5 11	14 40.74	−22 34.4	2.345	3.347	2.6	21.2
5 21	14 31.97	−21 53.0	2.368	3.342	5.6	21.3
5 31	14 24.46	−21 11.0	2.418	3.337	8.7	21.5
6 10	14 18.75	−20 32.6	2.493	3.331	11.4	21.7

276147 2002 JO_{75} 5 4.5 330°.69 2°.0/ 2.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 6.41	−14 52.4	1.527	2.402	14.5	19.8
4 11	15 2.84	−13 53.5	1.449	2.389	10.6	19.6
4 21	14 56.95	−12 43.6	1.392	2.377	6.3	19.3
5 1	14 49.53	−11 27.8	1.360	2.365	2.3	19.0
5 11	14 41.68	−10 13.7	1.354	2.354	4.5	19.1
5 21	14 34.52	− 9 8.5	1.374	2.344	9.2	19.4
5 31	14 29.05	− 8 18.5	1.416	2.335	13.5	19.6
6 10	14 25.96	− 7 47.6	1.477	2.326	17.3	19.8

135043 2001 OR_{23} 5 4.5 282°.27 0°.7/ 3.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 7.82	−17 0.4	2.104	2.957	12.0	19.3
4 11	15 3.26	−16 15.5	2.022	2.952	8.8	19.1
4 21	14 56.94	−15 21.6	1.966	2.947	5.2	18.8
5 1	14 49.50	−14 21.8	1.936	2.942	1.3	18.6
5 11	14 41.79	−13 20.8	1.934	2.937	2.9	18.7
5 21	14 34.64	−12 23.7	1.961	2.932	6.8	18.9
5 31	14 28.82	−11 35.1	2.012	2.927	10.3	19.1
6 10	14 24.85	−10 58.5	2.087	2.922	13.4	19.3

375970 2009 WB_{216} 5 4.5 158°.38 0°.3/ 4.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 11.73	−19 2.0	2.168	3.009	12.1	22.3
4 11	15 6.03	−18 36.0	2.093	3.015	9.0	22.1
4 21	14 58.52	−18 0.7	2.043	3.021	5.4	21.9
5 1	14 49.90	−17 18.2	2.020	3.026	1.5	21.6
5 11	14 41.06	−16 32.1	2.026	3.030	2.5	21.7
5 21	14 32.87	−15 46.8	2.060	3.034	6.3	22.0
5 31	14 26.08	−15 6.7	2.121	3.037	9.8	22.2
6 10	14 21.22	−14 35.4	2.204	3.040	12.8	22.4

320368 2007 TL_{376} 5 4.5 191°.62 3°.0/ 2.5 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 14.01	−10 4.2	1.809	2.668	13.3	21.6
4 11	15 8.00	− 9 26.0	1.735	2.667	9.8	21.4
4 21	14 59.82	− 8 44.3	1.685	2.665	6.0	21.1
5 1	14 50.27	− 8 3.3	1.662	2.663	3.1	20.9
5 11	14 40.38	− 7 28.0	1.666	2.660	4.9	21.0
5 21	14 31.20	− 7 2.7	1.698	2.656	8.8	21.3
5 31	14 23.65	− 6 50.7	1.754	2.652	12.5	21.5
6 10	14 18.35	− 6 53.3	1.831	2.647	15.7	21.7

320586 2008 BS_{18} 5 4.5 35°.36 0°.0/ 4.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 10.25	−18 26.4	1.293	2.164	16.8	20.5
4 11	15 5.83	−17 54.2	1.236	2.173	12.4	20.3
4 21	14 58.73	−17 8.6	1.200	2.183	7.3	20.0
5 1	14 49.98	−16 13.6	1.187	2.193	1.9	19.7
5 11	14 40.98	−15 15.9	1.199	2.204	3.6	19.9
5 21	14 33.03	−14 22.6	1.236	2.216	8.8	20.2
5 31	14 27.23	−13 40.6	1.295	2.227	13.5	20.5
6 10	14 24.20	−13 13.9	1.374	2.240	17.4	20.8

157599 2005 VK_{93} 5 4.5 66°.04 0°.3/ 4.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
4 1	15 9.91	−19 37.3	1.638	2.495	14.6	19.2
4 11	15 5.01	−18 31.9	1.580	2.511	10.7	19.0
4 21	14 57.99	−17 13.0	1.545	2.527	6.3	18.7
5 1	14 49.76	−15 45.5	1.536	2.542	1.6	18.5
5 11	14 41.42	−14 16.9	1.555	2.559	3.2	18.6
5 21	14 34.02	−12 54.5	1.600	2.575	7.7	18.9
5 31	14 28.38	−11 44.9	1.670	2.591	11.7	19.2
6 10	14 25.02	−10 52.2	1.761	2.607	15.1	19.4

128564 2004 PX_{90} 5 4.5 207°.06 0°.9/ 5.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 12.04	−20 21.7	2.489	3.319	11.1	21.4
4 11	15 6.18	−20 8.1	2.398	3.313	8.3	21.2
4 21	14 58.62	−19 45.5	2.332	3.306	5.1	21.0
5 1	14 49.95	−19 15.2	2.294	3.298	1.7	20.7
5 11	14 40.97	−18 39.5	2.286	3.290	2.3	20.7
5 21	14 32.47	−18 2.1	2.306	3.281	5.7	21.0
5 31	14 25.19	−17 26.8	2.355	3.271	9.0	21.1
6 10	14 19.66	−16 57.2	2.427	3.260	11.8	21.3

501743 2014 UM_{116} 5 4.5 304°.09 4°.8/ 6.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 11.19	−26 58.3	1.271	2.121	18.4	21.3
4 11	15 7.48	−27 10.2	1.172	2.090	14.7	21.0
4 21	15 0.37	−27 0.8	1.091	2.060	10.3	20.6
5 1	14 50.59	−26 26.9	1.033	2.029	6.0	20.3
5 11	14 39.58	−25 29.7	0.997	1.998	5.4	20.1
5 21	14 29.10	−24 15.4	0.985	1.968	9.9	20.3
5 31	14 20.86	−22 54.7	0.994	1.938	15.3	20.5
6 10	14 16.08	−21 39.3	1.022	1.909	20.4	20.7

174532 2003 EA_{29} 5 4.5 47°.93 2°.6/ 2.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 7.79	−10 18.4	2.100	2.963	11.6	19.6
4 11	15 3.13	− 9 36.1	2.034	2.969	8.5	19.4
4 21	14 56.80	− 8 50.8	1.993	2.974	5.1	19.2
5 1	14 49.46	− 8 6.6	1.979	2.980	2.7	19.0
5 11	14 41.94	− 7 27.8	1.992	2.985	4.3	19.2
5 21	14 35.03	− 6 58.1	2.032	2.991	7.5	19.4
5 31	14 29.42	− 6 40.2	2.098	2.997	10.7	19.6
6 10	14 25.59	− 6 35.5	2.185	3.003	13.5	19.8

408159 2013 CY_{150} 5 4.5 110°.61 1°.4/ 5.2 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 16.00	−20 16.4	1.420	2.274	16.6	22.0
4 11	15 9.99	−20 14.5	1.356	2.283	12.5	21.8
4 21	15 1.20	−19 59.5	1.314	2.292	7.7	21.5
5 1	14 50.65	−19 32.6	1.297	2.301	2.6	21.3
5 11	14 39.75	−18 57.8	1.305	2.310	3.4	21.3
5 21	14 29.91	−18 20.8	1.339	2.319	8.3	21.6
5 31	14 22.27	−17 48.1	1.397	2.327	12.9	21.9
6 10	14 17.52	−17 24.9	1.475	2.335	16.7	22.2

437397 2013 WW_{63} 5 4.5 150°.78 0°.2/ 4.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 10.38	−18 2.7	2.437	3.277	11.0	22.3
4 11	15 4.83	−17 23.9	2.364	3.286	8.1	22.1
4 21	14 57.72	−16 36.8	2.316	3.294	4.7	21.9
5 1	14 49.70	−15 44.2	2.296	3.302	1.2	21.7
5 11	14 41.52	−14 49.8	2.306	3.310	2.4	21.8
5 21	14 33.94	−13 57.8	2.346	3.316	5.9	22.0
5 31	14 27.59	−13 12.2	2.412	3.323	9.0	22.2
6 10	14 22.93	−12 36.0	2.501	3.328	11.7	22.4

268161 2004 TS_{358} 5 4.5 297°.97 1°.9/ 3.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 9.54	−13 32.7	1.720	2.585	13.6	20.7
4 11	15 4.91	−12 54.8	1.640	2.576	10.0	20.5
4 21	14 58.10	−12 9.8	1.584	2.567	5.9	20.2
5 1	14 49.85	−11 21.6	1.553	2.558	2.1	19.9
5 11	14 41.19	−10 35.4	1.550	2.549	4.1	20.1
5 21	14 33.19	− 9 56.4	1.572	2.541	8.4	20.3
5 31	14 26.77	− 9 29.3	1.618	2.532	12.4	20.5
6 10	14 22.59	− 9 16.8	1.685	2.524	15.9	20.7

468437 2001 XX_{187} 5 4.5 92°.61 7°.3/29.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 12.07	+ 2 12.2	1.785	2.645	13.5	20.7
4 11	15 6.38	+ 3 6.0	1.735	2.655	10.6	20.6
4 21	14 58.74	+ 3 51.4	1.708	2.666	8.2	20.5
5 1	14 49.97	+ 4 22.3	1.706	2.676	7.3	20.4
5 11	14 41.06	+ 4 34.2	1.731	2.686	8.7	20.5
5 21	14 32.97	+ 4 25.2	1.780	2.696	11.2	20.7
5 31	14 26.48	+ 3 55.6	1.851	2.706	14.0	20.9
6 10	14 22.11	+ 3 7.7	1.942	2.716	16.5	21.1

32309 2000 QN_{32} 5 4.5 232°.58 6°.6/ 8.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 17.09	−33 32.2	2.025	2.811	14.9	18.2
4 11	15 10.72	−34 25.2	1.935	2.803	12.3	18.0
4 21	15 1.72	−35 1.6	1.866	2.796	9.6	17.8
5 1	14 50.85	−35 17.5	1.822	2.787	7.3	17.7
5 11	14 39.29	−35 11.9	1.804	2.779	6.7	17.6
5 21	14 28.30	−34 47.1	1.813	2.770	8.4	17.7
5 31	14 19.09	−34 8.5	1.847	2.761	11.1	17.8
6 10	14 12.47	−33 23.8	1.903	2.752	14.0	18.0

168003 2005 GZ_{137} 5 4.5 146°.94 0°.3/ 4.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
4 1	15 8.92	−18 27.2	2.391	3.234	11.1	20.7
4 11	15 3.81	−17 37.3	2.317	3.241	8.1	20.5
4 21	14 57.14	−16 38.2	2.268	3.247	4.8	20.3
5 1	14 49.56	−15 33.2	2.247	3.253	1.2	20.1
5 11	14 41.83	−14 26.6	2.256	3.259	2.5	20.2
5 21	14 34.69	−13 23.0	2.294	3.265	6.0	20.4
5 31	14 28.77	−12 26.8	2.358	3.270	9.2	20.6
6 10	14 24.53	−11 41.4	2.446	3.274	11.9	20.8

18666 1998 FT_{53} 5 4.5 260°.60 5°.9/ 8.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 15.24	−32 1.3	2.047	2.842	14.4	17.6
4 11	15 9.33	−32 41.2	1.949	2.826	11.8	17.4
4 21	15 0.89	−33 5.1	1.871	2.810	9.0	17.2
5 1	14 50.64	−33 9.9	1.819	2.793	6.6	17.0
5 11	14 39.67	−32 55.1	1.793	2.776	6.0	17.0
5 21	14 29.20	−32 23.3	1.794	2.759	7.9	17.0
5 31	14 20.38	−31 39.8	1.821	2.741	10.9	17.2
6 10	14 14.02	−30 51.9	1.870	2.723	14.0	17.3

181393 2006 SK_{90} 5 4.5 40°.32 0°.7/ 4.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 11.79	−19 2.5	1.366	2.231	16.5	20.7
4 11	15 6.92	−18 51.0	1.306	2.240	12.2	20.5
4 21	14 59.38	−18 27.0	1.268	2.249	7.4	20.2
5 1	14 50.19	−17 53.0	1.253	2.259	2.2	19.9
5 11	14 40.69	−17 13.9	1.264	2.269	3.3	20.0
5 21	14 32.22	−16 35.5	1.299	2.279	8.4	20.3
5 31	14 25.86	−16 4.1	1.358	2.290	12.9	20.6
6 10	14 22.25	−15 44.1	1.436	2.302	16.8	20.9

113628 2002 TM_{70} 5 4.5 344°.05 7°.6/10.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 11.66	−38 52.0	1.947	2.717	15.9	18.8
4 11	15 6.68	−39 7.4	1.864	2.715	13.5	18.6
4 21	14 59.23	−38 59.2	1.800	2.714	10.9	18.4
5 1	14 50.16	−38 24.6	1.759	2.712	8.6	18.3
5 11	14 40.69	−37 24.7	1.742	2.711	7.6	18.2
5 21	14 32.04	−36 4.2	1.751	2.709	8.6	18.3
5 31	14 25.27	−34 31.0	1.786	2.708	11.0	18.4
6 10	14 21.05	−32 54.6	1.843	2.708	13.7	18.6

382911 2004 RA_{191} 5 4.5 220°.66 4°.6/ 8.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 14.64	−32 12.4	2.598	3.378	12.1	22.2
4 11	15 8.30	−32 28.2	2.497	3.367	9.8	22.1
4 21	14 59.99	−32 29.2	2.418	3.354	7.4	21.9
5 1	14 50.36	−32 14.1	2.367	3.341	5.2	21.7
5 11	14 40.29	−31 43.5	2.343	3.327	4.7	21.7
5 21	14 30.68	−31 0.1	2.349	3.313	6.3	21.7
5 31	14 22.40	−30 8.7	2.381	3.297	8.9	21.9
6 10	14 16.07	−29 14.9	2.438	3.281	11.5	22.0

61797 2000 QO_{183} 5 4.5 230°.36 0°.5/ 4.8 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 15.41	−18 47.4	1.868	2.711	13.7	20.0
4 11	15 9.26	−18 37.6	1.776	2.698	10.3	19.8
4 21	15 0.74	−18 17.7	1.707	2.685	6.3	19.5
5 1	14 50.58	−17 48.8	1.665	2.670	1.9	19.2
5 11	14 39.87	−17 14.3	1.651	2.655	2.9	19.2
5 21	14 29.73	−16 38.5	1.665	2.640	7.5	19.5
5 31	14 21.22	−16 6.5	1.704	2.623	11.6	19.7
6 10	14 15.08	−15 43.0	1.765	2.606	15.3	19.9

70932 1999 VX_{223} 5 4.5 80°.14 2°.2/ 2.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 9.09	−13 12.7	1.864	2.728	12.8	19.1
4 11	15 4.22	−12 12.5	1.803	2.738	9.3	18.9
4 21	14 57.50	−11 5.9	1.766	2.748	5.5	18.7
5 1	14 49.67	− 9 57.8	1.755	2.759	2.3	18.5
5 11	14 41.69	− 8 54.2	1.772	2.769	4.2	18.6
5 21	14 34.46	− 8 0.3	1.816	2.779	8.0	18.9
5 31	14 28.73	− 7 20.1	1.885	2.790	11.5	19.1
6 10	14 25.00	− 6 55.8	1.975	2.800	14.5	19.3

373535 2001 TX_{174} 5 4.5 227°.25 2°.0/ 5.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 15.55	−21 56.4	2.150	2.978	12.7	22.1
4 11	15 9.16	−22 12.3	2.056	2.966	9.7	21.9
4 21	15 0.60	−22 18.6	1.985	2.955	6.3	21.6
5 1	14 50.54	−22 14.8	1.942	2.942	2.8	21.4
5 11	14 39.96	−22 2.3	1.927	2.929	3.0	21.4
5 21	14 29.87	−21 43.9	1.941	2.916	6.5	21.6
5 31	14 21.23	−21 23.8	1.981	2.902	10.2	21.8
6 10	14 14.73	−21 6.4	2.045	2.887	13.4	21.9

137688 1999 XF_{59} 5 4.5 236°.16 0°.5/ 4.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 13.71	−16 4.9	1.878	2.729	13.3	20.7
4 11	15 7.94	−15 45.6	1.789	2.717	9.9	20.5
4 21	14 59.91	−15 18.1	1.723	2.704	5.9	20.2
5 1	14 50.37	−14 44.7	1.684	2.690	1.5	19.9
5 11	14 40.32	−14 9.1	1.673	2.676	3.2	20.0
5 21	14 30.85	−13 35.9	1.689	2.661	7.6	20.2
5 31	14 22.94	−13 9.6	1.731	2.646	11.7	20.4
6 10	14 17.28	−12 53.8	1.794	2.630	15.2	20.6

35757 1999 GY_{60} 5 4.5 338.°79 0.°9/ 4.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
4 1	15 9.29	−18 54.2	1.129	2.009	18.1	18.9
4 11	15 5.81	−18 53.3	1.057	1.998	13.6	18.6
4 21	14 59.14	−18 38.6	1.004	1.988	8.4	18.3
5 1	14 50.22	−18 11.7	0.973	1.979	2.6	17.9
5 11	14 40.58	−17 37.2	0.965	1.971	3.9	18.0
5 21	14 31.85	−17 2.0	0.980	1.964	9.8	18.3
5 31	14 25.47	−16 33.4	1.015	1.958	15.2	18.5
6 10	14 22.35	−16 17.4	1.068	1.954	19.8	18.8

65304 2002 JT_{52} 5 4.5 257.°09 0.°7/ 4.1 18

4 1	15 14.53	−14 43.3	1.518	2.380	15.3	19.3
4 11	15 8.87	−14 41.7	1.444	2.377	11.3	19.1
4 21	15 0.58	−14 33.6	1.392	2.375	6.7	18.8
5 1	14 50.55	−14 21.1	1.366	2.372	1.8	18.5
5 11	14 40.02	−14 7.6	1.366	2.369	3.7	18.6
5 21	14 30.29	−13 57.1	1.392	2.367	8.6	18.9
5 31	14 22.51	−13 53.8	1.441	2.364	13.1	19.1
6 10	14 17.41	−14 0.7	1.511	2.361	16.9	19.4

204181 2004 BL_{52} 5 4.5 176.°27 1.°3/ 3.5 18

4 1	15 9.86	−13 44.3	2.173	3.027	11.6	20.7
4 11	15 4.68	−13 18.2	2.098	3.028	8.5	20.5
4 21	14 57.76	−12 46.9	2.047	3.028	5.0	20.3
5 1	14 49.76	−12 13.3	2.024	3.029	1.6	20.0
5 11	14 41.51	−11 40.8	2.029	3.029	3.2	20.2
5 21	14 33.84	−11 13.2	2.061	3.029	6.8	20.4
5 31	14 27.47	−10 53.7	2.120	3.029	10.2	20.6
6 10	14 22.93	−10 44.4	2.201	3.029	13.1	20.8

346189 2007 XX_{1} 5 4.5 238.°95 2.°4/ 2.7 17

4 1	15 10.82	− 9 24.1	2.356	3.210	10.8	21.1
4 11	15 5.33	− 9 4.4	2.270	3.199	8.0	20.9
4 21	14 58.15	− 8 43.2	2.209	3.189	4.9	20.7
5 1	14 49.88	− 8 23.0	2.176	3.178	2.5	20.5
5 11	14 41.29	− 8 7.1	2.172	3.166	3.9	20.5
5 21	14 33.15	− 7 58.2	2.196	3.155	7.1	20.7
5 31	14 26.18	− 7 58.3	2.246	3.143	10.2	20.9
6 10	14 20.94	− 8 8.9	2.319	3.131	13.0	21.1

7735 Scorzelli 5 4.5 270.°64 1.°0/ 5.3 18 R

4 1	15 9.59	−21 39.3	2.036	2.877	12.8	17.7
4 11	15 4.80	−21 6.0	1.940	2.861	9.7	17.5
4 21	14 58.01	−20 19.4	1.868	2.844	6.0	17.2
5 1	14 49.87	−19 21.5	1.823	2.827	2.1	16.9
5 11	14 41.31	−18 16.2	1.806	2.811	2.6	16.9
5 21	14 33.29	−17 9.1	1.816	2.794	6.7	17.1
5 31	14 26.67	−16 6.2	1.853	2.776	10.6	17.3
6 10	14 22.09	−15 12.8	1.912	2.759	14.0	17.5

506265 2016 QQ_{55} 5 4.5 136.°49 2.°2/ 6.5 18

4 1	15 8.92	−25 26.2	2.437	3.259	11.6	21.1
4 11	15 3.91	−25 6.2	2.358	3.263	8.9	20.9
4 21	14 57.27	−24 33.7	2.302	3.267	5.8	20.7
5 1	14 49.64	−23 49.8	2.274	3.271	2.9	20.6
5 11	14 41.80	−22 57.5	2.274	3.275	2.7	20.5
5 21	14 34.54	−22 0.9	2.302	3.279	5.5	20.7
5 31	14 28.53	−21 4.8	2.358	3.283	8.5	20.9
6 10	14 24.27	−20 13.7	2.437	3.286	11.3	21.1

153181 2000 UZ_{41} 5 4.5 285.°67 0.°7/ 4.1 17

4 1	15 12.71	−14 37.8	1.764	2.621	13.7	19.8
4 11	15 7.34	−14 37.8	1.678	2.609	10.2	19.6
4 21	14 59.63	−14 32.1	1.615	2.596	6.0	19.3
5 1	14 50.32	−14 22.7	1.577	2.583	1.6	19.0
5 11	14 40.47	−14 12.3	1.568	2.571	3.3	19.1
5 21	14 31.19	−14 4.4	1.584	2.558	7.8	19.3
5 31	14 23.52	−14 2.5	1.626	2.546	12.0	19.5
6 10	14 18.20	−14 9.6	1.689	2.533	15.6	19.7

243762 2000 QU_{226} 5 4.5 304.°12 3.°6/ 6.7 17

4 1	15 9.91	−26 25.5	1.297	2.150	17.9	19.8
4 11	15 6.25	−26 11.0	1.206	2.128	14.1	19.4
4 21	14 59.45	−25 32.9	1.134	2.106	9.5	19.1
5 1	14 50.35	−24 30.4	1.085	2.084	4.9	18.8
5 11	14 40.38	−23 7.7	1.059	2.063	4.5	18.7
5 21	14 31.14	−21 33.3	1.057	2.041	9.2	18.9
5 31	14 24.10	−19 58.7	1.078	2.021	14.5	19.1
6 10	14 20.26	−18 35.0	1.118	2.001	19.3	19.3

157644 2005 XK_{87} 5 4.5 243.°04 3.°3/ 2.5 17

4 1	15 14.43	−10 19.8	1.550	2.416	14.8	20.6
4 11	15 8.81	− 9 38.2	1.468	2.403	11.0	20.3
4 21	15 0.58	− 8 51.6	1.408	2.390	6.7	20.0
5 1	14 50.58	− 8 4.8	1.374	2.376	3.4	19.8
5 11	14 40.01	− 7 23.9	1.367	2.362	5.6	19.9
5 21	14 30.12	− 6 54.5	1.385	2.347	10.0	20.1
5 31	14 22.07	− 6 40.8	1.427	2.332	14.4	20.3
6 10	14 16.63	− 6 44.8	1.488	2.316	18.2	20.5

55441 2001 TS_{87} 5 4.5 31.°98 0.°6/ 5.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
4 1	15 1.95	−20 52.4	4.193	5.021	7.0	19.6
4 11	14 58.26	−20 29.3	4.109	5.023	5.2	19.5
4 21	14 53.73	−20 0.7	4.051	5.024	3.2	19.4
5 1	14 48.70	−19 27.6	4.022	5.026	1.1	19.2
5 11	14 43.57	−18 52.0	4.023	5.028	1.4	19.2
5 21	14 38.71	−18 15.7	4.054	5.029	3.4	19.4
5 31	14 34.49	−17 41.0	4.113	5.031	5.4	19.5
6 10	14 31.18	−17 9.8	4.198	5.033	7.2	19.7

259115 2002 XT_{12} 5 4.5 261.°85 0.°7/ 4.9 17

4 1	15 12.92	−19 34.4	1.841	2.686	13.7	20.8
4 11	15 7.53	−19 18.1	1.743	2.667	10.4	20.5
4 21	14 59.78	−18 50.5	1.669	2.646	6.3	20.2
5 1	14 50.38	−18 12.6	1.621	2.626	2.0	19.9
5 11	14 40.37	−17 28.2	1.600	2.604	2.9	19.9
5 21	14 30.88	−16 42.2	1.606	2.583	7.5	20.1
5 31	14 22.96	−16 0.2	1.638	2.560	11.8	20.3
6 10	14 17.38	−15 27.4	1.692	2.538	15.6	20.5

462837 2010 TH_{150} 5 4.5 238.°68 0.°6/ 4.1 17

4 1	15 12.71	−16 57.6	1.844	2.696	13.5	22.1
4 11	15 7.24	−16 21.7	1.755	2.683	10.0	21.8
4 21	14 59.52	−15 35.4	1.688	2.669	5.9	21.5
5 1	14 50.29	−14 41.8	1.649	2.655	1.5	21.2
5 11	14 40.60	−13 45.4	1.637	2.640	3.3	21.3
5 21	14 31.49	−12 52.0	1.653	2.625	7.8	21.5
5 31	14 23.97	−12 7.2	1.694	2.609	11.9	21.7
6 10	14 18.70	−11 35.0	1.756	2.593	15.5	21.9

291262 2006 BS_{75} 5 4.5 192.°53 1.°5/ 5.7 17

4 1	15 12.67	−21 57.6	2.237	3.067	12.2	21.8
4 11	15 6.83	−21 52.1	2.153	3.066	9.2	21.6
4 21	14 59.11	−21 36.2	2.092	3.064	5.8	21.4
5 1	14 50.16	−21 10.5	2.059	3.061	2.4	21.2
5 11	14 40.88	−20 37.6	2.055	3.058	2.6	21.2
5 21	14 32.18	−20 1.2	2.079	3.055	6.1	21.4
5 31	14 24.86	−19 25.7	2.130	3.051	9.5	21.6
6 10	14 19.50	−18 55.4	2.204	3.046	12.5	21.8

1901 Moravia 5 4.5 335.°87 9.°7/26.9 18

4 1	15 10.97	+14 9.0	2.218	3.041	12.5	16.4
4 11	15 5.39	+14 53.9	2.162	3.037	11.0	16.3
4 21	14 58.13	+15 23.2	2.129	3.033	9.9	16.2
5 1	14 49.88	+15 31.6	2.121	3.030	9.8	16.2
5 11	14 41.45	+15 15.9	2.136	3.027	10.8	16.2
5 21	14 33.65	+14 35.6	2.176	3.024	12.4	16.3
5 31	14 27.17	+13 32.5	2.236	3.021	14.2	16.5
6 10	14 22.50	+12 10.2	2.316	3.019	15.9	16.6

172053 2001 XH_{131} 5 4.5 56.°54 3.°1/ 2.3 18

4 1	15 9.83	− 7 44.7	2.089	2.950	11.7	20.1
4 11	15 4.63	− 7 21.5	2.025	2.958	8.6	19.9
4 21	14 57.72	− 6 58.2	1.986	2.965	5.4	19.7
5 1	14 49.77	− 6 38.2	1.974	2.973	3.1	19.6
5 11	14 41.64	− 6 24.9	1.990	2.981	4.6	19.7
5 21	14 34.14	− 6 20.8	2.033	2.989	7.7	19.9
5 31	14 27.98	− 6 27.8	2.101	2.997	10.8	20.1
6 10	14 23.65	− 6 46.3	2.190	3.005	13.5	20.3

101929 1999 RP_{20} 5 4.5 180.°10 5.°4/ 9.7 18

4 1	15 12.95	−36 37.1	2.955	3.708	11.4	20.4
4 11	15 6.89	−37 7.9	2.866	3.709	9.5	20.3
4 21	14 59.09	−37 24.1	2.800	3.709	7.6	20.1
5 1	14 50.15	−37 24.0	2.759	3.710	6.0	20.0
5 11	14 40.88	−37 7.8	2.746	3.709	5.5	20.0
5 21	14 32.07	−36 37.6	2.761	3.709	6.4	20.0
5 31	14 24.49	−35 57.2	2.803	3.708	8.1	20.2
6 10	14 18.68	−35 11.6	2.869	3.707	10.1	20.3

423641 2005 XW_{25} 5 4.5 100.°09 2.°6/ 6.6 17

4 1	15 13.50	−26 5.8	2.012	2.834	13.7	21.9
4 11	15 7.41	−25 46.6	1.951	2.856	10.5	21.7
4 21	14 59.36	−25 12.3	1.913	2.877	6.9	21.5
5 1	14 50.19	−24 24.3	1.901	2.899	3.5	21.3
5 11	14 40.92	−23 26.3	1.918	2.919	3.2	21.4
5 21	14 32.53	−22 23.7	1.962	2.940	6.3	21.6
5 31	14 25.79	−21 22.5	2.034	2.959	9.7	21.8
6 10	14 21.22	−20 28.1	2.128	2.979	12.6	22.1

208025 1999 FQ_{16} 5 4.5 104.°07 0.°0/ 4.3 17

4 1	15 9.88	−17 38.7	2.193	3.040	11.8	21.2
4 11	15 4.65	−17 15.6	2.124	3.050	8.7	21.0
4 21	14 57.73	−16 44.7	2.080	3.059	5.1	20.8
5 1	14 49.78	−16 8.3	2.063	3.069	1.3	20.6
5 11	14 41.65	−15 29.8	2.075	3.078	2.5	20.7
5 21	14 34.15	−14 53.2	2.114	3.088	6.2	21.0
5 31	14 27.99	−14 22.3	2.180	3.097	9.5	21.2
6 10	14 23.66	−14 0.0	2.268	3.106	12.4	21.4

32460 2000 SY_{92} 5 4.5 129°.18 1°.7/ 6.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
4 1	15 5.62	−26 3.3	4.044	4.847	7.7	19.2
4 11	15 0.92	−25 47.3	3.968	4.862	5.9	19.1
4 21	14 55.29	−25 23.5	3.917	4.876	3.9	19.0
5 1	14 49.12	−24 52.7	3.896	4.890	2.1	18.8
5 11	14 42.88	−24 16.5	3.904	4.904	1.9	18.8
5 21	14 36.98	−23 37.2	3.943	4.917	3.6	19.0
5 31	14 31.83	−22 57.2	4.010	4.930	5.5	19.1
6 10	14 27.73	−22 19.0	4.103	4.942	7.3	19.3

311593 2006 JO_{45} 5 4.5 354°.42 4°.4/ 1.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 11.04	− 9 1.0	1.339	2.219	15.8	20.7
4 11	15 6.40	− 8 6.1	1.276	2.218	11.7	20.5
4 21	14 59.14	− 7 7.5	1.234	2.217	7.3	20.2
5 1	14 50.21	− 6 11.9	1.217	2.216	4.4	20.0
5 11	14 40.89	− 5 26.8	1.224	2.216	6.6	20.2
5 21	14 32.49	− 4 58.1	1.255	2.216	10.9	20.4
5 31	14 26.09	− 4 49.1	1.307	2.216	15.2	20.7
6 10	14 22.39	− 5 0.7	1.379	2.216	18.9	20.9

153165 2000 TG_{5} 5 4.5 313°.73 6°.4/ 7.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 14.74	−28 47.1	1.553	2.379	16.8	19.9
4 11	15 9.65	−29 52.1	1.462	2.362	13.6	19.7
4 21	15 1.45	−30 42.4	1.392	2.345	10.1	19.4
5 1	14 50.92	−31 13.5	1.345	2.328	7.1	19.2
5 11	14 39.37	−31 23.5	1.323	2.312	6.7	19.1
5 21	14 28.37	−31 14.1	1.325	2.296	9.4	19.2
5 31	14 19.40	−30 51.2	1.351	2.281	13.2	19.4
6 10	14 13.51	−30 23.1	1.397	2.266	16.9	19.6

196174 2002 WQ_{11} 5 4.5 259°.33 7°.8/ 1.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 23.43	+ 3 15.8	1.667	2.508	15.2	20.1
4 11	15 15.52	+ 3 34.2	1.572	2.483	12.2	19.9
4 21	15 4.70	+ 3 42.0	1.500	2.456	9.3	19.6
5 1	14 51.74	+ 3 32.7	1.455	2.429	7.8	19.5
5 11	14 37.91	+ 3 1.5	1.436	2.401	9.3	19.5
5 21	14 24.59	+ 2 7.0	1.445	2.371	12.7	19.6
5 31	14 13.10	+ 0 50.3	1.479	2.341	16.5	19.8
6 10	14 4.38	− 0 44.9	1.532	2.310	20.0	19.9

56012 1998 UE_{19} 5 4.5 160°.24 2°.0/ 3.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 14.67	−13 31.2	1.668	2.526	14.3	19.8
4 11	15 8.61	−12 46.9	1.600	2.532	10.5	19.6
4 21	15 0.26	−11 55.3	1.556	2.538	6.2	19.4
5 1	14 50.48	−11 0.9	1.538	2.543	2.3	19.1
5 11	14 40.43	−10 9.4	1.548	2.547	4.3	19.3
5 21	14 31.24	− 9 26.3	1.584	2.550	8.6	19.5
5 31	14 23.85	− 8 56.1	1.645	2.553	12.6	19.8
6 10	14 18.88	− 8 41.3	1.727	2.555	16.1	20.0

104261 2000 ES_{144} 5 4.5 285°.75 0°.1/ 4.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 9.42	−17 32.4	1.989	2.841	12.6	20.3
4 11	15 4.61	−17 8.0	1.908	2.836	9.3	20.1
4 21	14 57.86	−16 34.8	1.850	2.831	5.5	19.8
5 1	14 49.86	−15 55.0	1.819	2.825	1.4	19.5
5 11	14 41.53	−15 12.7	1.816	2.820	2.8	19.6
5 21	14 33.79	−14 32.3	1.840	2.815	6.9	19.9
5 31	14 27.47	−13 58.2	1.889	2.809	10.6	20.1
6 10	14 23.15	−13 34.0	1.961	2.804	13.8	20.3

131444 2001 QA_{91} 5 4.5 201°.82 7°.5/10.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 16.97	−37 37.5	1.342	2.141	20.4	19.4
4 11	15 11.40	−37 8.6	1.262	2.139	17.0	19.2
4 21	15 2.37	−36 3.4	1.199	2.137	13.0	18.9
5 1	14 51.09	−34 18.8	1.158	2.134	9.1	18.7
5 11	14 39.36	−31 59.1	1.141	2.130	7.5	18.6
5 21	14 28.97	−29 16.4	1.150	2.126	9.8	18.7
5 31	14 21.32	−26 27.5	1.183	2.122	13.9	18.9
6 10	14 17.16	−23 49.0	1.239	2.117	18.1	19.1

469285 1995 UV_{41} 5 4.5 107°.82 1°.9/ 3.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 10.38	−10 40.4	2.286	3.140	11.1	21.4
4 11	15 4.98	−10 28.3	2.214	3.144	8.1	21.2
4 21	14 57.93	−10 14.3	2.167	3.147	4.8	21.0
5 1	14 49.87	−10 0.7	2.147	3.150	2.1	20.8
5 11	14 41.58	− 9 50.4	2.156	3.154	3.5	20.9
5 21	14 33.83	− 9 45.6	2.193	3.157	6.7	21.1
5 31	14 27.33	− 9 48.6	2.256	3.160	9.9	21.3
6 10	14 22.57	−10 0.6	2.342	3.163	12.6	21.5

219678 2001 VB_{117} 5 4.5 140°.28 0°.4/ 4.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 13.80	−18 25.4	2.263	3.099	11.8	21.7
4 11	15 7.48	−18 13.7	2.193	3.112	8.8	21.6
4 21	14 59.39	−17 54.0	2.148	3.125	5.2	21.4
5 1	14 50.24	−17 27.9	2.131	3.137	1.5	21.1
5 11	14 40.91	−16 58.5	2.144	3.148	2.4	21.2
5 21	14 32.25	−16 29.0	2.185	3.158	6.1	21.5
5 31	14 24.98	−16 3.3	2.253	3.168	9.4	21.7
6 10	14 19.63	−15 44.4	2.345	3.177	12.2	21.9

284108 2005 SL_{184} 5 4.5 314°.61 1°.1/ 5.0 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
4 1	15 9.34	−19 55.5	1.076	1.957	18.7	20.5
4 11	15 6.22	−19 45.1	0.994	1.935	14.3	20.1
4 21	14 59.65	−19 17.2	0.930	1.913	8.9	19.8
5 1	14 50.49	−18 33.2	0.886	1.892	2.8	19.3
5 11	14 40.28	−17 38.3	0.866	1.872	4.1	19.3
5 21	14 30.81	−16 40.9	0.867	1.852	10.5	19.6
5 31	14 23.77	−15 50.9	0.888	1.833	16.5	19.8
6 10	14 20.27	−15 16.5	0.926	1.816	21.7	20.1

19564 Ajburnetti 5 4.5 228°.77 2°.7/ 2.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 12.09	−12 35.2	1.715	2.577	13.8	19.2
4 11	15 6.81	−11 34.3	1.634	2.569	10.1	19.0
4 21	14 59.28	−10 25.4	1.578	2.560	6.1	18.7
5 1	14 50.28	− 9 13.6	1.547	2.550	2.8	18.5
5 11	14 40.86	− 8 5.8	1.545	2.540	4.9	18.6
5 21	14 32.13	− 7 8.1	1.568	2.530	9.1	18.8
5 31	14 25.04	− 6 25.9	1.616	2.519	13.1	19.0
6 10	14 20.27	− 6 1.8	1.684	2.507	16.6	19.2

123696 2000 YA_{103} 5 4.5 9°.28 10°.6/26.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 6.06	+ 5 5.4	1.397	2.275	15.4	18.4
4 11	15 2.51	+ 6 53.4	1.353	2.276	12.7	18.2
4 21	14 56.72	+ 8 29.4	1.330	2.279	10.9	18.1
5 1	14 49.58	+ 9 43.0	1.330	2.283	10.8	18.1
5 11	14 42.22	+10 26.4	1.353	2.288	12.5	18.2
5 21	14 35.73	+10 36.5	1.397	2.294	15.0	18.4
5 31	14 31.00	+10 14.2	1.459	2.300	17.8	18.6
6 10	14 28.59	+ 9 24.0	1.537	2.308	20.2	18.8

412445 2014 FG_{56} 5 4.5 288°.76 4°.1/ 7.6 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 11.43	−29 0.4	2.301	3.107	12.7	20.5
4 11	15 6.07	−29 24.2	2.214	3.104	10.1	20.3
4 21	14 58.76	−29 34.6	2.150	3.100	7.3	20.2
5 1	14 50.14	−29 30.5	2.112	3.097	4.8	20.0
5 11	14 41.11	−29 12.7	2.102	3.093	4.3	19.9
5 21	14 32.62	−28 44.0	2.119	3.090	6.4	20.1
5 31	14 25.51	−28 9.1	2.162	3.086	9.3	20.2
6 10	14 20.40	−27 33.1	2.228	3.083	12.0	20.4

499338 2009 WG_{209} 5 4.5 187°.14 3°.5/ 1.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 10.30	− 7 42.2	2.417	3.271	10.6	22.4
4 11	15 4.82	− 6 33.7	2.342	3.270	7.8	22.2
4 21	14 57.80	− 5 22.9	2.294	3.269	5.0	22.0
5 1	14 49.85	− 4 14.7	2.274	3.268	3.5	21.9
5 11	14 41.70	− 3 13.8	2.284	3.265	5.0	22.0
5 21	14 34.07	− 2 24.5	2.322	3.262	7.8	22.2
5 31	14 27.62	− 1 49.5	2.386	3.258	10.6	22.3
6 10	14 22.80	− 1 30.1	2.471	3.253	13.1	22.5

278513 Schwope 5 4.5 194°.31 4°.7/30.8 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 12.43	− 5 14.4	2.031	2.889	12.1	21.7
4 11	15 6.65	− 4 10.9	1.958	2.887	9.1	21.5
4 21	14 59.00	− 3 7.2	1.911	2.884	6.2	21.3
5 1	14 50.18	− 2 8.8	1.891	2.880	4.7	21.2
5 11	14 41.09	− 1 21.1	1.899	2.876	6.3	21.3
5 21	14 32.62	− 0 48.3	1.934	2.871	9.3	21.4
5 31	14 25.56	− 0 32.9	1.994	2.865	12.5	21.6
6 10	14 20.46	− 0 35.1	2.074	2.858	15.2	21.8

491131 2011 SN_{135} 5 4.5 236°.15 1°.2/ 5.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 10.80	−20 54.4	2.693	3.521	10.4	22.5
4 11	15 5.28	−20 52.0	2.594	3.507	7.9	22.4
4 21	14 58.16	−20 41.5	2.521	3.493	4.9	22.1
5 1	14 49.97	−20 23.5	2.476	3.479	1.9	21.9
5 11	14 41.43	−20 0.0	2.461	3.464	2.2	21.9
5 21	14 33.27	−19 33.6	2.474	3.449	5.3	22.1
5 31	14 26.19	−19 7.7	2.515	3.434	8.4	22.3
6 10	14 20.72	−18 45.6	2.581	3.418	11.1	22.4

95583 2002 ES_{155} 5 4.5 209°.27 3°.8/ 1.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 10.60	− 7 20.0	1.936	2.799	12.4	19.9
4 11	15 5.41	− 6 35.9	1.865	2.797	9.2	19.7
4 21	14 58.30	− 5 50.8	1.817	2.795	5.9	19.5
5 1	14 50.00	− 5 9.4	1.797	2.793	3.8	19.4
5 11	14 41.42	− 4 36.4	1.804	2.791	5.5	19.5
5 21	14 33.46	− 4 15.6	1.837	2.788	8.8	19.6
5 31	14 26.95	− 4 9.4	1.895	2.785	12.1	19.8
6 10	14 22.42	− 4 18.5	1.973	2.783	15.0	20.0

102239 1999 TK_{22} 5 4.5 1°.20 4°.3/ 6.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 15.67	−25 0.2	1.672	2.505	15.5	19.0
4 11	15 9.82	−25 55.2	1.596	2.504	12.2	18.7
4 21	15 1.27	−26 38.0	1.541	2.504	8.4	18.5
5 1	14 50.84	−27 6.0	1.511	2.504	5.1	18.3
5 11	14 39.80	−27 18.7	1.508	2.504	4.8	18.3
5 21	14 29.47	−27 18.5	1.530	2.505	8.0	18.5
5 31	14 21.07	−27 10.2	1.577	2.506	11.7	18.7
6 10	14 15.40	−27 0.0	1.646	2.507	15.2	18.9

13273 1998 QW_{37} 5 4.5 42°.23 4°.4/ 6.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
4 1	15 14.41	−25 33.8	1.158	2.014	19.4	17.4
4 11	15 9.50	−25 55.6	1.100	2.022	15.1	17.2
4 21	15 1.25	−25 57.0	1.060	2.031	10.2	16.9
5 1	14 50.82	−25 37.0	1.042	2.040	5.6	16.7
5 11	14 39.94	−24 58.6	1.048	2.049	5.1	16.7
5 21	14 30.29	−24 9.0	1.076	2.059	9.3	16.9
5 31	14 23.29	−23 17.7	1.127	2.069	14.1	17.2
6 10	14 19.68	−22 33.4	1.197	2.080	18.2	17.5

270493 2002 ER_{132} 5 4.5 291°.14 3°.8/ 6.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 14.15	−25 36.1	1.829	2.657	14.6	20.3
4 11	15 8.50	−26 8.8	1.746	2.652	11.4	20.0
4 21	15 0.39	−26 28.4	1.686	2.648	7.9	19.8
5 1	14 50.60	−26 33.4	1.650	2.644	4.6	19.6
5 11	14 40.26	−26 24.5	1.642	2.640	4.3	19.6
5 21	14 30.57	−26 4.9	1.660	2.635	7.4	19.7
5 31	14 22.60	−25 39.6	1.703	2.631	11.1	19.9
6 10	14 17.12	−25 14.8	1.768	2.627	14.4	20.1

330056 2005 UC_{423} 5 4.5 257°.73 0°.2/ 4.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 13.00	−17 50.2	1.930	2.777	13.1	21.6
4 11	15 7.47	−17 39.9	1.835	2.760	9.8	21.4
4 21	14 59.72	−17 20.7	1.763	2.742	5.9	21.1
5 1	14 50.42	−16 54.0	1.718	2.724	1.6	20.8
5 11	14 40.57	−16 23.0	1.701	2.705	2.9	20.8
5 21	14 31.22	−15 51.7	1.712	2.687	7.3	21.0
5 31	14 23.37	−15 24.9	1.748	2.667	11.3	21.2
6 10	14 17.72	−15 6.6	1.805	2.648	14.9	21.4

107645 2001 EZ_{18} 5 4.5 123°.48 3°.2/ 6.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 13.43	−26 12.2	1.609	2.443	15.9	19.5
4 11	15 8.01	−26 0.8	1.537	2.448	12.3	19.3
4 21	15 0.05	−25 31.1	1.486	2.453	8.2	19.1
5 1	14 50.48	−24 43.6	1.461	2.458	4.3	18.9
5 11	14 40.57	−23 42.4	1.461	2.463	3.8	18.8
5 21	14 31.57	−22 34.0	1.488	2.467	7.6	19.1
5 31	14 24.56	−21 26.4	1.539	2.472	11.7	19.3
6 10	14 20.17	−20 26.8	1.612	2.476	15.3	19.6

378617 2008 FS_{66} 5 4.5 302°.18 0°.5/ 3.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 5.26	−13 29.5	4.280	5.119	6.7	20.4
4 11	15 0.66	−13 35.0	4.193	5.115	4.8	20.3
4 21	14 55.18	−13 38.6	4.133	5.112	2.8	20.1
5 1	14 49.16	−13 41.2	4.102	5.108	0.8	19.9
5 11	14 42.99	−13 43.9	4.103	5.104	1.6	20.0
5 21	14 37.05	−13 47.7	4.133	5.101	3.7	20.2
5 31	14 31.72	−13 53.9	4.192	5.097	5.7	20.3
6 10	14 27.31	−14 3.4	4.277	5.094	7.4	20.4

125173 2001 UA_{108} 5 4.5 355°.03 1°.5/ 3.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 12.90	−13 30.8	1.185	2.064	17.4	19.5
4 11	15 8.21	−13 24.4	1.120	2.062	12.9	19.2
4 21	15 0.46	−13 11.4	1.075	2.060	7.7	18.9
5 1	14 50.64	−12 55.1	1.053	2.059	2.3	18.5
5 11	14 40.26	−12 40.3	1.055	2.058	4.5	18.7
5 21	14 30.88	−12 32.0	1.080	2.058	10.1	19.0
5 31	14 23.82	−12 34.6	1.127	2.058	15.1	19.3
6 10	14 19.89	−12 50.6	1.192	2.059	19.4	19.5

32486 2000 TY_{56} 5 4.5 259°.88 3°.3/ 1.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 10.23	− 6 19.2	2.357	3.213	10.8	18.0
4 11	15 4.92	− 5 56.8	2.273	3.201	8.0	17.8
4 21	14 57.96	− 5 34.9	2.213	3.190	5.2	17.6
5 1	14 49.92	− 5 16.7	2.182	3.178	3.3	17.4
5 11	14 41.57	− 5 5.4	2.178	3.165	4.7	17.5
5 21	14 33.66	− 5 3.5	2.203	3.153	7.6	17.7
5 31	14 26.91	− 5 12.6	2.253	3.140	10.6	17.8
6 10	14 21.84	− 5 33.4	2.325	3.128	13.2	18.0

499871 2011 FV_{20} 5 4.5 217°.08 1°.7/ 3.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 10.99	−13 22.1	1.889	2.748	12.9	22.0
4 11	15 5.80	−12 49.4	1.813	2.746	9.4	21.8
4 21	14 58.59	−12 10.8	1.761	2.743	5.6	21.6
5 1	14 50.10	−11 29.7	1.735	2.740	2.0	21.3
5 11	14 41.28	−10 50.5	1.737	2.737	3.8	21.4
5 21	14 33.11	−10 17.7	1.766	2.734	7.8	21.7
5 31	14 26.43	− 9 55.2	1.820	2.730	11.5	21.9
6 10	14 21.85	− 9 45.3	1.896	2.727	14.7	22.1

349420 2008 AX_{19} 5 4.5 20°.89 9°.8/26.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 7.38	+ 8 57.1	1.811	2.666	13.5	19.8
4 11	15 3.02	+10 16.1	1.769	2.672	11.4	19.7
4 21	14 56.84	+11 21.2	1.748	2.679	10.0	19.6
5 1	14 49.61	+12 5.3	1.752	2.687	10.0	19.6
5 11	14 42.24	+12 23.7	1.779	2.695	11.2	19.7
5 21	14 35.60	+12 14.8	1.829	2.703	13.2	19.8
5 31	14 30.43	+11 40.0	1.899	2.712	15.3	20.0
6 10	14 27.20	+10 42.8	1.986	2.722	17.3	20.2

432363 2009 WH_{32} 5 4.5 87°.40 4°.6/ 1.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
4 1	15 14.75	− 3 38.0	1.846	2.704	13.2	21.6
4 11	15 8.33	− 3 21.7	1.792	2.719	9.9	21.4
4 21	14 59.95	− 3 9.3	1.762	2.735	6.6	21.2
5 1	14 50.42	− 3 4.7	1.758	2.750	4.6	21.1
5 11	14 40.76	− 3 11.0	1.782	2.765	6.0	21.2
5 21	14 31.92	− 3 29.7	1.832	2.780	9.1	21.4
5 31	14 24.72	− 4 1.4	1.908	2.794	12.2	21.7
6 10	14 19.67	− 4 45.1	2.004	2.809	15.0	21.9

470445 2007 YF_{16} 5 4.5 174°.54 2°.9/ 7.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 10.21	−27 30.3	2.415	3.227	12.0	21.5
4 11	15 4.97	−27 20.3	2.331	3.228	9.3	21.3
4 21	14 57.99	−26 56.8	2.271	3.229	6.4	21.1
5 1	14 49.93	−26 20.0	2.237	3.230	3.7	20.9
5 11	14 41.61	−25 32.4	2.232	3.231	3.3	20.9
5 21	14 33.86	−24 38.0	2.255	3.231	5.7	21.1
5 31	14 27.42	−23 41.7	2.305	3.231	8.7	21.3
6 10	14 22.81	−22 48.6	2.379	3.231	11.4	21.4

313976 2004 TF_{61} 5 4.5 189°.38 1°.9/ 3.3 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 15.01	−12 52.2	1.793	2.648	13.6	22.2
4 11	15 8.84	−12 20.9	1.717	2.648	10.0	21.9
4 21	15 0.44	−11 43.8	1.665	2.646	5.9	21.7
5 1	14 50.59	−11 4.3	1.640	2.644	2.2	21.4
5 11	14 40.39	−10 27.2	1.643	2.642	4.1	21.6
5 21	14 30.91	− 9 56.9	1.673	2.638	8.3	21.8
5 31	14 23.11	− 9 37.5	1.727	2.634	12.2	22.0
6 10	14 17.62	− 9 31.3	1.804	2.629	15.6	22.2

431903 2008 TF_{8} 5 4.5 199°.89 0°.5/ 4.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 12.12	−15 33.2	2.023	2.874	12.5	20.8
4 11	15 6.55	−15 24.5	1.945	2.873	9.2	20.6
4 21	14 59.02	−15 9.6	1.891	2.871	5.4	20.3
5 1	14 50.21	−14 50.4	1.863	2.869	1.4	20.0
5 11	14 41.08	−14 29.9	1.864	2.868	2.9	20.1
5 21	14 32.54	−14 11.5	1.893	2.866	6.9	20.4
5 31	14 25.46	−13 58.7	1.947	2.863	10.5	20.6
6 10	14 20.40	−13 54.1	2.024	2.861	13.7	20.8

274941 2009 SG_{235} 5 4.5 191°.97 0°.3/ 4.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 14.92	−15 22.9	2.285	3.124	11.6	21.0
4 11	15 8.43	−15 25.6	2.201	3.123	8.6	20.8
4 21	15 0.07	−15 23.3	2.142	3.121	5.1	20.6
5 1	14 50.49	−15 17.1	2.112	3.118	1.3	20.3
5 11	14 40.57	−15 9.1	2.111	3.115	2.6	20.4
5 21	14 31.19	−15 1.9	2.140	3.111	6.4	20.6
5 31	14 23.14	−14 58.3	2.195	3.106	9.8	20.8
6 10	14 17.02	−15 0.7	2.274	3.101	12.7	21.0

379784 2011 HY_{65} 5 4.5 335°.43 1°.1/ 3.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 10.43	−14 42.4	1.690	2.554	13.9	21.0
4 11	15 5.63	−14 20.1	1.616	2.550	10.2	20.7
4 21	14 58.59	−13 50.7	1.565	2.547	6.0	20.5
5 1	14 50.12	−13 17.2	1.539	2.544	1.7	20.2
5 11	14 41.27	−12 44.1	1.539	2.542	3.6	20.3
5 21	14 33.12	−12 15.9	1.566	2.539	8.0	20.6
5 31	14 26.62	−11 56.9	1.617	2.537	12.1	20.8
6 10	14 22.42	−11 49.9	1.689	2.535	15.6	21.0

251515 2008 FJ_{78} 5 4.5 261°.91 3°.4/30.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 6.27	− 8 35.8	2.445	3.306	10.2	20.5
4 11	15 1.93	− 7 20.3	2.366	3.298	7.5	20.3
4 21	14 56.14	− 6 1.4	2.312	3.290	4.8	20.1
5 1	14 49.44	− 4 43.9	2.287	3.282	3.4	20.0
5 11	14 42.53	− 3 33.2	2.291	3.273	4.9	20.1
5 21	14 36.07	− 2 33.6	2.322	3.265	7.7	20.2
5 31	14 30.68	− 1 48.4	2.379	3.257	10.5	20.4
6 10	14 26.81	− 1 19.3	2.458	3.248	13.0	20.6

150519 2000 RR_{89} 5 4.5 331°.15 5°.6/ 7.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 9.52	−29 9.7	1.409	2.248	17.5	19.5
4 11	15 5.79	−29 33.1	1.325	2.234	14.1	19.3
4 21	14 59.12	−29 35.8	1.261	2.220	10.2	19.0
5 1	14 50.33	−29 15.5	1.218	2.208	6.7	18.8
5 11	14 40.81	−28 33.4	1.200	2.196	5.9	18.7
5 21	14 32.04	−27 35.0	1.205	2.185	9.0	18.8
5 31	14 25.39	−26 29.1	1.233	2.175	13.2	19.0
6 10	14 21.76	−25 25.2	1.280	2.165	17.2	19.2

125514 2001 WY_{39} 5 4.5 257°.29 3°.1/ 2.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 12.32	− 9 7.8	2.094	2.950	11.9	20.0
4 11	15 6.77	− 8 25.7	1.997	2.927	8.9	19.7
4 21	14 59.22	− 7 40.0	1.924	2.903	5.5	19.5
5 1	14 50.30	− 6 54.9	1.879	2.878	3.2	19.3
5 11	14 40.88	− 6 15.0	1.862	2.853	4.9	19.3
5 21	14 31.89	− 5 44.6	1.873	2.827	8.4	19.5
5 31	14 24.19	− 5 27.1	1.910	2.801	12.0	19.7
6 10	14 18.45	− 5 24.4	1.967	2.774	15.2	19.8

432818 2011 GJ_{82} 5 4.5 287°.76 0°.4/ 4.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
4 1	15 14.11	−14 32.2	1.809	2.663	13.6	20.8
4 11	15 8.42	−14 45.9	1.719	2.648	10.1	20.5
4 21	15 0.35	−14 55.3	1.652	2.633	6.0	20.3
5 1	14 50.63	−15 1.3	1.612	2.618	1.6	19.9
5 11	14 40.29	−15 5.9	1.600	2.603	3.1	20.0
5 21	14 30.48	−15 11.8	1.614	2.589	7.7	20.3
5 31	14 22.25	−15 21.9	1.654	2.574	11.9	20.5
6 10	14 16.36	−15 38.9	1.715	2.559	15.5	20.7

482094 2010 LD_{46} 5 4.5 249°.48 4°.9/ 8.8 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 12.65	−34 10.8	2.955	3.721	11.1	22.4
4 11	15 6.78	−34 36.7	2.846	3.703	9.2	22.2
4 21	14 59.14	−34 49.3	2.761	3.684	7.1	22.1
5 1	14 50.28	−34 46.9	2.702	3.664	5.4	21.9
5 11	14 40.95	−34 29.6	2.671	3.645	4.9	21.9
5 21	14 31.97	−33 59.2	2.668	3.624	6.1	21.9
5 31	14 24.10	−33 19.4	2.693	3.603	8.2	22.0
6 10	14 17.95	−32 35.1	2.742	3.582	10.4	22.1

272780 2005 YE_{208} 5 4.5 166°.74 2°.1/ 2.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 10.66	−12 11.5	2.469	3.318	10.6	21.8
4 11	15 5.04	−11 13.0	2.396	3.324	7.7	21.7
4 21	14 57.92	−10 9.8	2.349	3.329	4.6	21.5
5 1	14 49.91	− 9 5.6	2.332	3.334	2.2	21.3
5 11	14 41.73	− 8 4.9	2.344	3.337	3.7	21.4
5 21	14 34.12	− 7 11.9	2.385	3.340	6.8	21.6
5 31	14 27.69	− 6 30.0	2.452	3.343	9.7	21.8
6 10	14 22.89	− 6 1.1	2.543	3.344	12.3	22.0

471088 2010 AZ_{14} 5 4.5 193°.79 6°.8/29.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 12.60	+ 2 43.5	2.034	2.886	12.4	21.5
4 11	15 6.75	+ 3 25.6	1.969	2.885	9.8	21.3
4 21	14 59.05	+ 4 0.0	1.929	2.884	7.6	21.2
5 1	14 50.22	+ 4 21.5	1.914	2.882	6.8	21.1
5 11	14 41.16	+ 4 26.1	1.926	2.880	8.1	21.2
5 21	14 32.73	+ 4 11.9	1.964	2.878	10.5	21.3
5 31	14 25.72	+ 3 39.0	2.026	2.876	13.1	21.5
6 10	14 20.66	+ 2 49.2	2.108	2.874	15.6	21.7

438653 2008 CS_{201} 5 4.5 325°.80 1°.3/ 3.7 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 9.10	−13 12.5	1.990	2.850	12.3	21.2
4 11	15 4.42	−13 1.8	1.907	2.840	9.0	21.0
4 21	14 57.81	−12 46.6	1.848	2.830	5.3	20.7
5 1	14 49.93	−12 29.4	1.816	2.821	1.7	20.5
5 11	14 41.66	−12 13.4	1.811	2.812	3.3	20.6
5 21	14 33.93	−12 1.8	1.832	2.804	7.2	20.8
5 31	14 27.55	−11 57.7	1.879	2.795	10.9	21.0
6 10	14 23.14	−12 3.1	1.948	2.788	14.1	21.2

1752 van Herk 5 4.5 270°.17 0°.6/ 4.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 13.15	−19 58.6	1.533	2.388	15.6	16.8
4 11	15 8.16	−19 30.9	1.439	2.367	11.8	16.5
4 21	15 0.41	−18 48.1	1.367	2.346	7.2	16.2
5 1	14 50.69	−17 52.1	1.319	2.324	2.2	15.8
5 11	14 40.22	−16 47.9	1.298	2.302	3.4	15.8
5 21	14 30.37	−15 42.3	1.302	2.280	8.7	16.1
5 31	14 22.38	−14 43.4	1.330	2.257	13.6	16.3
6 10	14 17.14	−13 57.6	1.379	2.234	17.9	16.5

68105 2000 YV_{126} 5 4.5 312°.83 7°.3/ 8.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 12.63	−33 47.7	1.714	2.517	16.5	18.3
4 11	15 7.88	−34 33.9	1.622	2.501	13.7	18.0
4 21	15 0.30	−35 0.7	1.551	2.486	10.7	17.8
5 1	14 50.67	−35 3.8	1.502	2.472	8.2	17.6
5 11	14 40.25	−34 42.5	1.478	2.457	7.4	17.5
5 21	14 30.44	−34 0.0	1.478	2.443	9.2	17.6
5 31	14 22.57	−33 3.0	1.502	2.430	12.3	17.7
6 10	14 17.55	−32 0.6	1.547	2.417	15.6	17.9

249060 2007 TT_{289} 5 4.5 177°.06 0°.0/ 4.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 5.61	−17 3.9	3.954	4.788	7.3	21.3
4 11	15 0.99	−16 54.9	3.870	4.789	5.3	21.2
4 21	14 55.41	−16 42.0	3.813	4.790	3.2	21.0
5 1	14 49.27	−16 26.1	3.785	4.791	0.8	20.8
5 11	14 42.98	−16 8.9	3.787	4.791	1.5	20.9
5 21	14 36.98	−15 52.0	3.820	4.791	3.8	21.1
5 31	14 31.67	−15 37.1	3.881	4.791	5.9	21.2
6 10	14 27.36	−15 26.0	3.967	4.791	7.8	21.3

9302 1985 TB_3 5 4.5 228°.91 2°.0/ 3.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 13.88	−14 6.4	1.607	2.468	14.6	18.2
4 11	15 8.34	−13 20.1	1.525	2.459	10.8	17.9
4 21	15 0.32	−12 24.6	1.466	2.449	6.4	17.7
5 1	14 50.63	−11 24.3	1.434	2.438	2.3	17.4
5 11	14 40.45	−10 25.3	1.428	2.427	4.4	17.5
5 21	14 30.98	− 9 34.2	1.448	2.416	9.1	17.7
5 31	14 23.30	− 8 56.3	1.493	2.403	13.5	18.0
6 10	14 18.16	− 8 35.3	1.557	2.391	17.3	18.2

512378 2016 NQ_{64} 5 4.5 209°.05 0°.2/ 4.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
4 1	15 8.46	−18 19.9	2.983	3.818	9.3	22.8
4 11	15 3.37	−18 2.0	2.893	3.812	6.9	22.6
4 21	14 56.95	−17 37.5	2.829	3.806	4.1	22.4
5 1	14 49.69	−17 8.1	2.794	3.799	1.2	22.2
5 11	14 42.20	−16 36.0	2.788	3.792	1.9	22.3
5 21	14 35.10	−16 4.0	2.812	3.785	4.9	22.5
5 31	14 28.94	−15 35.0	2.863	3.777	7.7	22.6
6 10	14 24.17	−15 11.6	2.939	3.769	10.1	22.8

329774 2004 LE 5 4.5 226°.16 2°.3/ 1.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 11.88	− 8 17.2	3.871	4.704	7.4	23.5
4 11	15 5.54	− 7 16.9	3.767	4.686	5.5	23.4
4 21	14 58.11	− 6 14.1	3.693	4.666	3.5	23.2
5 1	14 49.99	− 5 11.6	3.651	4.644	2.3	23.1
5 11	14 41.66	− 4 12.5	3.641	4.622	3.4	23.2
5 21	14 33.61	− 3 19.6	3.664	4.599	5.4	23.3
5 31	14 26.29	− 2 35.3	3.717	4.574	7.5	23.4
6 10	14 20.06	− 2 1.1	3.794	4.548	9.4	23.5

208703 2002 JL_{24} 5 4.5 334°.33 4°.4/ 2.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 8.56	− 8 50.8	1.095	1.989	17.4	19.4
4 11	15 5.32	− 8 24.0	1.023	1.971	13.0	19.1
4 21	14 58.95	− 7 54.7	0.969	1.955	8.2	18.8
5 1	14 50.34	− 7 29.0	0.938	1.940	4.5	18.5
5 11	14 40.95	− 7 13.8	0.929	1.926	6.8	18.6
5 21	14 32.37	− 7 14.6	0.941	1.914	12.0	18.8
5 31	14 26.04	− 7 35.1	0.973	1.903	17.2	19.0
6 10	14 22.89	− 8 15.5	1.022	1.893	21.6	19.3

74262 1998 SO_{87} 5 4.5 246°.03 1°.0/ 5.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 10.54	−20 52.7	2.124	2.964	12.4	19.7
4 11	15 5.44	−20 35.6	2.035	2.955	9.3	19.5
4 21	14 58.41	−20 7.6	1.970	2.946	5.8	19.3
5 1	14 50.11	−19 30.3	1.932	2.936	2.0	19.0
5 11	14 41.44	−18 46.8	1.922	2.927	2.5	19.0
5 21	14 33.31	−18 1.3	1.940	2.917	6.4	19.3
5 31	14 26.56	−17 18.9	1.984	2.907	10.0	19.5
6 10	14 21.77	−16 43.7	2.051	2.897	13.2	19.6

375707 2009 PT_{10} 5 4.5 276°.98 0°.1/ 4.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 11.85	−17 56.0	1.712	2.567	14.2	21.6
4 11	15 6.92	−17 29.4	1.616	2.545	10.6	21.3
4 21	14 59.55	−16 51.3	1.543	2.524	6.4	21.0
5 1	14 50.46	−16 4.0	1.495	2.501	1.7	20.7
5 11	14 40.74	−15 12.0	1.475	2.479	3.2	20.7
5 21	14 31.54	−14 21.0	1.481	2.456	8.1	21.0
5 31	14 23.98	−13 37.1	1.511	2.434	12.6	21.2
6 10	14 18.84	−13 5.4	1.563	2.411	16.5	21.4

315275 2007 TJ_{90} 5 4.5 125°.27 2°.5/ 2.9 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 13.31	−12 29.0	1.645	2.508	14.3	21.3
4 11	15 7.60	−11 40.3	1.584	2.518	10.4	21.1
4 21	14 59.68	−10 45.7	1.546	2.528	6.2	20.8
5 1	14 50.42	− 9 49.9	1.534	2.538	2.6	20.6
5 11	14 40.96	− 8 58.9	1.549	2.547	4.6	20.8
5 21	14 32.38	− 8 18.0	1.591	2.555	8.7	21.0
5 31	14 25.58	− 7 51.2	1.657	2.564	12.6	21.3
6 10	14 21.13	− 7 40.5	1.744	2.572	15.9	21.5

272789 2005 YC_{267} 5 4.5 292°.48 2°.3/ 3.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 10.44	−12 5.8	1.727	2.593	13.5	20.8
4 11	15 5.68	−11 34.4	1.645	2.580	10.0	20.6
4 21	14 58.69	−10 57.6	1.585	2.567	6.0	20.3
5 1	14 50.21	−10 19.0	1.551	2.555	2.5	20.1
5 11	14 41.26	− 9 43.7	1.543	2.542	4.4	20.2
5 21	14 32.91	− 9 16.3	1.562	2.529	8.6	20.4
5 31	14 26.13	− 9 0.8	1.605	2.517	12.6	20.6
6 10	14 21.61	− 8 59.6	1.668	2.505	16.2	20.8

502660 2015 CY_{49} 5 4.5 171°.52 0°.9/ 3.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 11.81	−14 41.9	2.013	2.865	12.5	21.6
4 11	15 6.31	−14 24.4	1.938	2.867	9.1	21.4
4 21	14 58.88	−14 0.9	1.887	2.868	5.4	21.2
5 1	14 50.23	−13 33.9	1.863	2.869	1.5	20.9
5 11	14 41.28	−13 6.9	1.867	2.869	3.1	21.1
5 21	14 32.97	−12 43.6	1.899	2.870	7.0	21.3
5 31	14 26.10	−12 27.3	1.957	2.870	10.6	21.5
6 10	14 21.25	−12 20.8	2.036	2.870	13.7	21.7

178888 2001 OW_{32} 5 4.5 287°.35 2°.9/ 2.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 12.96	− 9 54.3	1.594	2.461	14.4	20.1
4 11	15 7.73	− 9 36.2	1.511	2.447	10.7	19.8
4 21	15 0.02	− 9 15.5	1.452	2.434	6.5	19.5
5 1	14 50.58	− 8 56.0	1.417	2.420	3.1	19.3
5 11	14 40.58	− 8 42.0	1.409	2.406	5.0	19.4
5 21	14 31.20	− 8 37.5	1.427	2.393	9.4	19.6
5 31	14 23.56	− 8 45.6	1.468	2.379	13.6	19.8
6 10	14 18.42	− 9 7.6	1.529	2.366	17.4	20.0

103136 1999 XF_{203} 5 4.5 193°.70 0°.5/ 4.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
4 1	15 12.37	−18 42.9	2.792	3.621	10.1	20.6
4 11	15 6.31	−18 36.1	2.703	3.618	7.5	20.4
4 21	14 58.73	−18 22.5	2.640	3.614	4.5	20.2
5 1	14 50.18	−18 3.2	2.605	3.610	1.4	20.0
5 11	14 41.37	−17 40.3	2.601	3.605	2.1	20.0
5 21	14 33.00	−17 16.4	2.627	3.600	5.2	20.2
5 31	14 25.70	−16 54.5	2.681	3.594	8.2	20.4
6 10	14 19.96	−16 37.3	2.759	3.587	10.7	20.6

205225 2000 QK_{60} 5 4.5 193°.00 3°.8/ 6.8 17

4 1	15 16.42	−26 15.0	1.718	2.544	15.5	20.8
4 11	15 10.28	−26 29.9	1.637	2.543	12.1	20.5
4 21	15 1.51	−26 28.9	1.578	2.541	8.3	20.3
5 1	14 50.97	−26 10.8	1.544	2.539	4.7	20.1
5 11	14 39.92	−25 37.7	1.537	2.536	4.3	20.0
5 21	14 29.64	−24 54.0	1.557	2.533	7.7	20.2
5 31	14 21.29	−24 6.6	1.602	2.530	11.6	20.4
6 10	14 15.62	−23 22.5	1.668	2.526	15.2	20.7

163059 2001 YN_{90} 5 4.5 95°.83 2°.6/ 3.1 18

4 1	15 13.44	−11 56.9	1.415	2.285	15.7	20.2
4 11	15 8.11	−11 23.4	1.350	2.288	11.5	20.0
4 21	15 0.19	−10 44.3	1.308	2.291	6.9	19.7
5 1	14 50.61	−10 4.3	1.290	2.294	2.9	19.5
5 11	14 40.66	− 9 29.1	1.297	2.296	5.0	19.6
5 21	14 31.64	− 9 4.0	1.330	2.299	9.6	19.9
5 31	14 24.62	− 8 53.1	1.386	2.301	14.0	20.1
6 10	14 20.29	− 8 58.2	1.461	2.304	17.7	20.4

390854 2004 RJ_{208} 5 4.5 304°.39 4°.1/ 7.9 18

4 1	15 8.92	−30 14.5	2.143	2.953	13.4	20.3
4 11	15 4.54	−30 1.7	2.031	2.923	10.7	20.0
4 21	14 58.04	−29 30.8	1.941	2.894	7.7	19.8
5 1	14 50.07	−28 41.0	1.877	2.864	4.9	19.6
5 11	14 41.55	−27 34.5	1.839	2.835	4.2	19.5
5 21	14 33.47	−26 15.8	1.829	2.806	6.7	19.6
5 31	14 26.80	−24 51.7	1.845	2.776	10.2	19.7
6 10	14 22.22	−23 29.6	1.884	2.747	13.5	19.9

516380 2017 WG_{26} 5 4.5 236°.66 6°.2/29.5 18

4 1	15 11.48	+ 1 2.0	2.182	3.035	11.6	21.4
4 11	15 5.95	+ 1 56.3	2.104	3.022	9.1	21.2
4 21	14 58.64	+ 2 45.8	2.051	3.009	7.0	21.1
5 1	14 50.18	+ 3 25.1	2.025	2.996	6.3	21.0
5 11	14 41.40	+ 3 49.4	2.026	2.982	7.6	21.1
5 21	14 33.13	+ 3 56.0	2.053	2.968	10.1	21.2
5 31	14 26.11	+ 3 43.8	2.104	2.953	12.8	21.3
6 10	14 20.92	+ 3 13.6	2.176	2.938	15.3	21.5

119298 2001 SY_{18} 5 4.5 188°.09 0°.8/ 3.9 18

4 1	15 12.11	−15 50.5	1.891	2.745	13.1	20.7
4 11	15 6.66	−15 22.3	1.815	2.744	9.6	20.5
4 21	14 59.14	−14 46.2	1.763	2.744	5.7	20.3
5 1	14 50.32	−14 5.1	1.737	2.743	1.5	20.0
5 11	14 41.18	−13 23.1	1.739	2.742	3.2	20.1
5 21	14 32.71	−12 45.0	1.768	2.740	7.4	20.4
5 31	14 25.78	−12 15.2	1.823	2.738	11.2	20.6
6 10	14 21.00	−11 56.7	1.900	2.736	14.5	20.8

391346 2006 UO_{157} 5 4.5 248°.56 0°.7/ 5.0 16

4 1	15 11.60	−18 19.4	2.318	3.158	11.5	21.6
4 11	15 6.08	−18 25.3	2.229	3.150	8.6	21.4
4 21	14 58.76	−18 24.4	2.166	3.142	5.2	21.2
5 1	14 50.23	−18 17.4	2.129	3.134	1.6	20.9
5 11	14 41.32	−18 6.3	2.122	3.126	2.4	21.0
5 21	14 32.89	−17 53.8	2.142	3.118	6.0	21.2
5 31	14 25.70	−17 42.9	2.190	3.109	9.4	21.4
6 10	14 20.35	−17 36.8	2.260	3.101	12.4	21.6

235108 2003 OO_{19} 5 4.5 249°.32 8°.0/10.5 18

4 1	15 16.07	−40 4.2	2.271	3.016	14.6	20.6
4 11	15 10.00	−40 47.0	2.171	3.001	12.6	20.4
4 21	15 1.39	−41 10.1	2.091	2.986	10.5	20.2
5 1	14 50.98	−41 9.6	2.034	2.971	8.7	20.1
5 11	14 39.89	−40 44.3	2.003	2.955	8.0	20.0
5 21	14 29.35	−39 56.5	1.998	2.939	8.8	20.0
5 31	14 20.50	−38 51.8	2.018	2.923	10.8	20.1
6 10	14 14.15	−37 38.2	2.061	2.906	13.2	20.3

230635 2003 QO_3 5 4.5 301°.18 5°.2/ 7.9 18

4 1	15 13.24	−30 13.7	1.894	2.704	14.8	20.1
4 11	15 7.85	−30 42.6	1.811	2.701	11.9	19.9
4 21	15 0.04	−30 54.8	1.750	2.698	8.8	19.7
5 1	14 50.60	−30 48.2	1.713	2.696	6.0	19.5
5 11	14 40.65	−30 23.8	1.703	2.693	5.4	19.4
5 21	14 31.37	−29 45.2	1.719	2.690	7.6	19.6
5 31	14 23.84	−28 58.4	1.759	2.687	10.8	19.8
6 10	14 18.76	−28 10.6	1.823	2.685	13.9	19.9

18492 1996 GS_2 5 4.5 334°.71 6°.8/30.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
4 1	15 7.19	− 6 48.0	1.093	1.989	17.2	17.1
4 11	15 4.13	− 5 22.0	1.029	1.977	13.0	16.8
4 21	14 58.12	− 3 51.7	0.984	1.967	8.8	16.5
5 1	14 50.12	− 2 27.7	0.962	1.957	6.8	16.4
5 11	14 41.55	− 1 21.3	0.962	1.947	9.3	16.5
5 21	14 33.89	− 0 40.8	0.983	1.939	13.8	16.7
5 31	14 28.43	− 0 30.5	1.024	1.932	18.4	16.9
6 10	14 25.95	− 0 49.8	1.080	1.926	22.4	17.2

158171 2001 QD_{231} 5 4.5 218°.64 0°.7/ 4.0 18

4 1	15 13.51	−17 43.5	1.620	2.475	14.8	20.6
4 11	15 8.07	−16 54.1	1.539	2.469	11.0	20.4
4 21	15 0.16	−15 51.6	1.481	2.462	6.5	20.1
5 1	14 50.62	−14 40.0	1.448	2.454	1.7	19.8
5 11	14 40.64	−13 25.5	1.443	2.446	3.6	19.9
5 21	14 31.43	−12 15.5	1.465	2.438	8.5	20.1
5 31	14 24.03	−11 16.8	1.511	2.428	12.9	20.4
6 10	14 19.16	−10 34.2	1.578	2.418	16.7	20.6

300163 2006 VW_{139} 5 4.5 235°.51 0°.8/ 3.8 18

4 1	15 9.31	−14 35.0	2.656	3.502	10.0	21.7
4 11	15 4.16	−14 12.5	2.564	3.490	7.4	21.5
4 21	14 57.51	−13 44.9	2.498	3.478	4.3	21.3
5 1	14 49.89	−13 14.4	2.460	3.465	1.3	21.0
5 11	14 41.97	−12 43.7	2.451	3.452	2.6	21.1
5 21	14 34.46	−12 15.9	2.471	3.439	5.8	21.3
5 31	14 27.97	−11 53.9	2.518	3.425	8.8	21.5
6 10	14 23.02	−11 40.0	2.589	3.411	11.5	21.6

427946 2005 WS_{142} 5 4.5 204°.35 1°.2/ 3.7 17

4 1	15 12.98	−13 46.3	2.234	3.081	11.6	22.6
4 11	15 7.05	−13 26.1	2.150	3.076	8.5	22.4
4 21	14 59.30	−13 0.7	2.091	3.071	5.0	22.2
5 1	14 50.37	−12 32.6	2.059	3.065	1.6	21.9
5 11	14 41.11	−12 5.1	2.057	3.058	3.1	22.0
5 21	14 32.38	−11 41.4	2.083	3.051	6.8	22.2
5 31	14 24.96	−11 24.9	2.136	3.043	10.2	22.4
6 10	14 19.42	−11 17.9	2.212	3.034	13.2	22.6

63937 2001 SB_{54} 5 4.5 126°.40 1°.7/ 5.5 18

4 1	15 16.90	−20 17.9	1.957	2.791	13.5	19.9
4 11	15 10.14	−20 40.0	1.887	2.802	10.2	19.7
4 21	15 1.20	−20 52.9	1.840	2.813	6.4	19.5
5 1	14 50.87	−20 56.7	1.821	2.824	2.6	19.2
5 11	14 40.23	−20 52.8	1.830	2.834	2.9	19.3
5 21	14 30.33	−20 44.2	1.868	2.843	6.7	19.5
5 31	14 22.11	−20 34.9	1.931	2.853	10.3	19.8
6 10	14 16.19	−20 28.7	2.018	2.862	13.5	20.0

506228 2016 LZ_{18} 5 4.5 177°.81 7°.5/28.0 17

4 1	15 11.12	+ 6 14.5	2.280	3.123	11.5	21.4
4 11	15 5.50	+ 7 17.1	2.222	3.125	9.5	21.2
4 21	14 58.27	+ 8 10.6	2.188	3.126	7.9	21.1
5 1	14 50.08	+ 8 49.6	2.180	3.127	7.6	21.1
5 11	14 41.71	+ 9 9.8	2.199	3.127	8.7	21.2
5 21	14 33.92	+ 9 9.5	2.243	3.127	10.7	21.3
5 31	14 27.39	+ 8 48.7	2.311	3.126	12.9	21.5
6 10	14 22.60	+ 8 9.4	2.397	3.125	14.9	21.6

327699 2006 SX_{21} 5 4.5 212°.16 1°.3/ 5.5 17

4 1	15 13.93	−21 40.0	2.109	2.941	12.8	22.2
4 11	15 7.96	−21 21.7	2.019	2.934	9.6	22.0
4 21	14 59.94	−20 51.7	1.952	2.925	6.0	21.8
5 1	14 50.56	−20 11.0	1.913	2.916	2.3	21.5
5 11	14 40.78	−19 22.9	1.902	2.907	2.6	21.5
5 21	14 31.58	−18 31.9	1.920	2.896	6.5	21.7
5 31	14 23.85	−17 43.4	1.965	2.885	10.3	21.9
6 10	14 18.21	−17 2.1	2.032	2.873	13.5	22.1

130227 2000 BC_{22} 5 4.5 344°.99 0°.7/ 3.9 16

4 1	15 7.71	−15 16.4	2.386	3.237	10.8	20.3
4 11	15 3.08	−14 55.1	2.307	3.236	7.9	20.1
4 21	14 56.89	−14 28.3	2.254	3.235	4.6	19.9
5 1	14 49.73	−13 58.1	2.228	3.233	1.3	19.7
5 11	14 42.32	−13 27.6	2.230	3.232	2.6	19.8
5 21	14 35.41	−13 0.2	2.260	3.231	6.0	20.0
5 31	14 29.65	−12 38.9	2.317	3.231	9.2	20.2
6 10	14 25.52	−12 26.0	2.396	3.230	12.0	20.4

60667 2000 GQ_1 5 4.5 57°.46 0°.9/ 5.0 18

4 1	15 14.85	−19 13.1	1.197	2.065	18.1	19.5
4 11	15 9.51	−19 9.6	1.144	2.078	13.5	19.3
4 21	15 1.13	−18 52.7	1.110	2.091	8.2	19.0
5 1	14 50.88	−18 24.3	1.100	2.105	2.5	18.7
5 11	14 40.32	−17 49.4	1.114	2.119	3.6	18.8
5 21	14 31.00	−17 14.4	1.152	2.133	9.0	19.2
5 31	14 24.14	−16 46.0	1.212	2.147	13.9	19.5
6 10	14 20.39	−16 29.3	1.291	2.162	18.0	19.8

109736 2001 RV_{62} 5 4.5 28°.05 2°.2/ 3.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
4 1	15 12.95	−11 19.3	1.378	2.252	15.8	18.6
4 11	15 7.78	−11 14.4	1.319	2.258	11.6	18.4
4 21	15 0.00	−11 6.4	1.282	2.265	6.9	18.1
5 1	14 50.58	−10 58.5	1.268	2.273	2.6	17.9
5 11	14 40.82	−10 54.7	1.280	2.281	4.5	18.0
5 21	14 32.01	−10 58.4	1.317	2.290	9.2	18.3
5 31	14 25.25	−11 12.4	1.377	2.299	13.6	18.6
6 10	14 21.19	−11 37.9	1.456	2.309	17.3	18.8

8612 Burov 5 4.5 133°.16 2°.2/ 6.0 18 R

4 1	15 16.71	−23 22.8	1.858	2.687	14.3	19.5
4 11	15 10.06	−23 21.8	1.790	2.701	10.9	19.3
4 21	15 1.16	−23 7.4	1.745	2.715	7.0	19.1
5 1	14 50.87	−22 40.3	1.727	2.728	3.2	18.9
5 11	14 40.34	−22 3.5	1.737	2.740	3.2	18.9
5 21	14 30.67	−21 21.5	1.774	2.751	6.9	19.2
5 31	14 22.81	−20 40.3	1.838	2.762	10.6	19.4
6 10	14 17.35	−20 4.9	1.924	2.772	13.9	19.6

106193 2000 UU_{14} 5 4.5 188°.88 3°.2/ 7.5 18

4 1	15 10.64	−28 27.2	2.751	3.552	11.0	20.4
4 11	15 5.19	−28 32.5	2.663	3.551	8.7	20.3
4 21	14 58.14	−28 25.7	2.598	3.550	6.1	20.1
5 1	14 50.07	−28 6.7	2.561	3.548	3.8	19.9
5 11	14 41.73	−27 36.9	2.553	3.547	3.4	19.9
5 21	14 33.86	−26 59.3	2.573	3.545	5.4	20.0
5 31	14 27.14	−26 17.7	2.620	3.542	7.9	20.2
6 10	14 22.07	−25 36.5	2.692	3.540	10.4	20.4

45891 2000 WG_{178} 5 4.5 64°.03 3°.5/ 6.8 18

4 1	15 13.01	−26 17.1	1.462	2.303	16.9	18.8
4 11	15 7.97	−26 10.4	1.393	2.308	13.1	18.6
4 21	15 0.19	−25 44.2	1.345	2.313	8.8	18.4
5 1	14 50.65	−24 58.9	1.320	2.318	4.6	18.1
5 11	14 40.72	−23 58.6	1.321	2.323	4.1	18.1
5 21	14 31.78	−22 50.3	1.347	2.328	8.1	18.3
5 31	14 24.96	−21 42.6	1.397	2.333	12.4	18.6
6 10	14 20.97	−20 43.4	1.467	2.338	16.2	18.9

497496 2006 AO_{72} 5 4.5 158°.62 4°.0/ 1.2 17

4 1	15 11.31	− 5 23.0	2.326	3.180	10.9	21.9
4 11	15 5.60	− 4 32.8	2.261	3.188	8.2	21.8
4 21	14 58.32	− 3 43.2	2.222	3.194	5.4	21.6
5 1	14 50.11	− 2 58.4	2.210	3.201	4.0	21.5
5 11	14 41.73	− 2 22.8	2.227	3.206	5.3	21.6
5 21	14 33.93	− 1 59.2	2.272	3.211	8.0	21.8
5 31	14 27.38	− 1 49.5	2.342	3.215	10.8	22.0
6 10	14 22.53	− 1 54.2	2.434	3.219	13.2	22.1

471691 2012 TX_{229} 5 4.5 295°.04 4°.4/ 7.3 17

4 1	15 12.14	−27 54.1	1.862	2.684	14.6	21.2
4 11	15 7.14	−28 15.9	1.770	2.671	11.6	21.0
4 21	14 59.70	−28 22.3	1.699	2.657	8.2	20.7
5 1	14 50.56	−28 11.8	1.653	2.643	5.2	20.5
5 11	14 40.81	−27 45.5	1.634	2.629	4.7	20.5
5 21	14 31.62	−27 6.9	1.640	2.616	7.5	20.6
5 31	14 24.09	−26 21.9	1.672	2.602	11.1	20.8
6 10	14 18.99	−25 37.5	1.725	2.589	14.5	21.0

49332 1998 VC_{44} 5 4.5 191°.39 1°.7/ 3.2 17

4 1	15 12.09	−13 40.4	1.983	2.838	12.5	19.0
4 11	15 6.55	−12 57.7	1.906	2.837	9.2	18.8
4 21	14 59.06	−12 8.4	1.854	2.835	5.4	18.5
5 1	14 50.33	−11 16.1	1.828	2.833	2.0	18.3
5 11	14 41.32	−10 25.8	1.831	2.830	3.7	18.4
5 21	14 32.94	− 9 42.2	1.862	2.827	7.6	18.7
5 31	14 26.03	− 9 9.3	1.918	2.824	11.2	18.9
6 10	14 21.15	− 8 49.8	1.996	2.819	14.4	19.1

20063 1993 RC_{4} 5 4.5 23°.51 2°.0/ 6.1 18

4 1	15 9.03	−23 22.6	2.167	3.001	12.4	18.0
4 11	15 4.27	−23 17.6	2.090	3.003	9.4	17.8
4 21	14 57.69	−23 1.2	2.036	3.006	6.1	17.6
5 1	14 49.97	−22 34.1	2.009	3.009	2.8	17.4
5 11	14 41.98	−21 59.1	2.009	3.012	2.7	17.4
5 21	14 34.58	−21 20.0	2.037	3.016	6.0	17.6
5 31	14 28.54	−20 41.3	2.091	3.020	9.3	17.8
6 10	14 24.40	−20 7.5	2.168	3.023	12.3	18.0

152519 2006 CT_{61} 5 4.5 17°.07 4°.6/10.6 18

4 1	15 7.35	−39 1.6	4.133	4.863	8.7	19.7
4 11	15 2.49	−39 30.0	4.043	4.864	7.4	19.6
4 21	14 56.44	−39 47.1	3.976	4.865	6.1	19.5
5 1	14 49.63	−39 51.9	3.935	4.867	5.0	19.4
5 11	14 42.58	−39 44.8	3.921	4.868	4.6	19.4
5 21	14 35.83	−39 26.8	3.935	4.870	5.1	19.4
5 31	14 29.90	−39 0.5	3.976	4.871	6.2	19.5
6 10	14 25.17	−38 28.9	4.041	4.873	7.5	19.6

168539 1999 VF_{89} 5 4.5 132°.61 0°.3/ 4.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
4 1	15 14.24	−17 23.7	1.909	2.755	13.3	21.4
4 11	15 8.08	−16 53.3	1.844	2.769	9.8	21.2
4 21	14 59.92	−16 13.9	1.803	2.782	5.8	21.0
5 1	14 50.54	−15 28.4	1.789	2.795	1.5	20.7
5 11	14 41.00	−14 41.0	1.803	2.807	2.9	20.8
5 21	14 32.25	−13 56.7	1.845	2.818	7.1	21.1
5 31	14 25.14	−13 20.1	1.913	2.828	10.8	21.3
6 10	14 20.21	−12 54.4	2.004	2.838	13.9	21.6

425078 2009 RE_{70} 5 4.5 199°.00 3°.3/ 1.4 18

4 1	15 10.45	− 9 36.9	2.211	3.068	11.3	22.0
4 11	15 5.14	− 8 21.6	2.134	3.064	8.3	21.8
4 21	14 58.14	− 7 1.9	2.082	3.060	5.2	21.6
5 1	14 50.09	− 5 42.9	2.059	3.056	3.3	21.4
5 11	14 41.80	− 4 30.6	2.065	3.051	5.0	21.5
5 21	14 34.07	− 3 29.7	2.099	3.045	8.1	21.7
5 31	14 27.60	− 2 44.2	2.158	3.038	11.3	21.9
6 10	14 22.92	− 2 15.7	2.239	3.031	14.0	22.1

257575 1999 CR_{69} 5 4.5 89°.13 3°.5/ 1.9 18

4 1	15 11.67	−10 29.1	1.714	2.579	13.6	20.5
4 11	15 6.21	− 9 16.3	1.664	2.599	9.9	20.3
4 21	14 58.77	− 7 59.7	1.638	2.619	6.1	20.1
5 1	14 50.23	− 6 45.5	1.639	2.638	3.5	20.0
5 11	14 41.62	− 5 40.3	1.667	2.658	5.4	20.2
5 21	14 33.91	− 4 49.3	1.722	2.677	9.0	20.4
5 31	14 27.88	− 4 15.9	1.801	2.695	12.4	20.7
6 10	14 24.00	− 4 0.9	1.900	2.713	15.4	20.9

178119 2006 TX_{18} 5 4.5 155°.37 0°.3/ 4.8 17

4 1	15 8.38	−19 38.9	2.358	3.199	11.3	20.5
4 11	15 3.59	−19 1.6	2.279	3.201	8.3	20.3
4 21	14 57.20	−18 14.6	2.226	3.203	5.0	20.1
5 1	14 49.84	−17 20.6	2.199	3.205	1.4	19.8
5 11	14 42.27	−16 23.2	2.202	3.207	2.3	19.9
5 21	14 35.25	−15 27.0	2.233	3.208	5.8	20.1
5 31	14 29.45	−14 36.3	2.291	3.209	9.1	20.3
6 10	14 25.35	−13 54.7	2.373	3.211	11.9	20.5

233644 2008 OZ_{6} 5 4.5 252°.46 5°.5/ 8.7 18

4 1	15 13.40	−33 1.9	2.084	2.876	14.3	20.9
4 11	15 7.92	−33 13.9	1.986	2.862	11.7	20.7
4 21	15 0.09	−33 7.4	1.909	2.848	8.9	20.5
5 1	14 50.67	−32 40.3	1.858	2.833	6.3	20.3
5 11	14 40.70	−31 53.6	1.833	2.818	5.6	20.2
5 21	14 31.31	−30 51.3	1.835	2.803	7.4	20.3
5 31	14 23.54	−29 39.9	1.862	2.787	10.4	20.4
6 10	14 18.11	−28 27.1	1.913	2.772	13.5	20.6

439621 2014 FZ_{3} 5 4.5 246°.44 4°.9/30.3 18

4 1	15 8.55	− 2 20.3	2.324	3.182	10.8	21.1
4 11	15 3.69	− 1 32.3	2.251	3.177	8.2	20.9
4 21	14 57.26	− 0 46.9	2.203	3.171	5.9	20.8
5 1	14 49.86	− 0 8.6	2.183	3.165	4.9	20.7
5 11	14 42.22	+ 0 18.5	2.190	3.159	6.2	20.8
5 21	14 35.07	+ 0 31.7	2.223	3.153	8.7	20.9
5 31	14 29.07	+ 0 29.5	2.281	3.147	11.3	21.1
6 10	14 24.71	+ 0 12.0	2.361	3.141	13.7	21.2

502728 2015 DA_{33} 5 4.5 60°.92 7°.2/29.6 18

4 1	15 11.03	+ 0 8.9	1.657	2.524	13.9	20.5
4 11	15 5.69	+ 1 22.0	1.621	2.548	10.8	20.4
4 21	14 58.44	+ 2 27.4	1.609	2.572	8.1	20.3
5 1	14 50.14	+ 3 18.3	1.622	2.596	7.2	20.2
5 11	14 41.84	+ 3 49.4	1.661	2.621	8.6	20.4
5 21	14 34.47	+ 3 58.5	1.724	2.645	11.3	20.6
5 31	14 28.77	+ 3 45.7	1.809	2.669	14.0	20.8
6 10	14 25.21	+ 3 13.2	1.913	2.693	16.4	21.0

193311 2000 SY_{304} 5 4.5 124°.09 1°.1/ 5.9 18

4 1	15 5.65	−22 47.8	3.726	4.545	8.0	20.6
4 11	15 1.08	−22 30.1	3.651	4.558	6.0	20.5
4 21	14 55.52	−22 5.4	3.602	4.570	3.8	20.3
5 1	14 49.38	−21 34.8	3.581	4.582	1.6	20.2
5 11	14 43.14	−21 0.2	3.591	4.594	1.7	20.2
5 21	14 37.26	−20 23.9	3.630	4.606	3.8	20.4
5 31	14 32.16	−19 48.3	3.698	4.617	5.9	20.5
6 10	14 28.16	−19 15.8	3.791	4.628	7.9	20.7

125228 2001 UD_{159} 5 4.5 259°.81 1°.6/ 3.5 18

4 1	15 11.64	−13 42.6	1.742	2.603	13.7	20.4
4 11	15 6.51	−13 16.1	1.666	2.599	10.1	20.1
4 21	14 59.18	−12 43.2	1.613	2.595	5.9	19.9
5 1	14 50.41	−12 7.2	1.586	2.591	2.0	19.6
5 11	14 41.26	−11 32.6	1.585	2.586	3.8	19.7
5 21	14 32.79	−11 4.1	1.612	2.582	8.1	20.0
5 31	14 25.93	−10 45.6	1.663	2.578	12.1	20.2
6 10	14 21.34	−10 39.8	1.734	2.573	15.6	20.4

98011 2000 QZ_{212} 5 4.5 169°.10 3°.8/ 1.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
4 1	15 13.36	− 9 4.0	1.666	2.531	14.0	20.0
4 11	15 7.71	− 8 7.9	1.600	2.534	10.3	19.8
4 21	14 59.83	− 7 8.6	1.557	2.536	6.5	19.6
5 1	14 50.57	− 6 11.7	1.540	2.539	3.9	19.4
5 11	14 41.02	− 5 23.3	1.550	2.540	5.8	19.5
5 21	14 32.27	− 4 48.5	1.586	2.541	9.6	19.8
5 31	14 25.24	− 4 30.6	1.646	2.542	13.3	20.0
6 10	14 20.55	− 4 30.6	1.726	2.542	16.6	20.2

186822 2004 FE_{31} 5 4.5 280°.60 6°.3/30.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 21.59	−13 37.3	1.026	1.901	19.9	20.3
4 11	15 16.43	−11 21.9	0.913	1.854	15.3	19.9
4 21	15 6.69	− 8 28.8	0.821	1.804	9.8	19.4
5 1	14 52.81	− 5 4.3	0.752	1.751	6.3	19.0
5 11	14 36.30	− 1 25.8	0.708	1.696	11.0	19.0
5 21	14 19.43	+ 2 1.2	0.688	1.638	19.0	19.1
5 31	14 4.71	+ 4 52.3	0.688	1.577	27.0	19.3
6 10	13 54.05	+ 6 54.4	0.701	1.514	34.3	19.5

496287 2012 VD_{106} 5 4.5 129°.51 0°.0/ 4.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 10.13	−17 39.7	2.721	3.557	10.1	23.1
4 11	15 4.60	−17 19.4	2.651	3.572	7.4	22.9
4 21	14 57.69	−16 52.7	2.608	3.586	4.4	22.7
5 1	14 49.97	−16 21.5	2.593	3.599	1.2	22.5
5 11	14 42.12	−15 48.4	2.608	3.612	2.1	22.6
5 21	14 34.79	−15 16.4	2.652	3.624	5.2	22.8
5 31	14 28.57	−14 48.6	2.724	3.636	8.0	23.0
6 10	14 23.87	−14 27.4	2.820	3.648	10.5	23.2

78005 2002 JB_{52} 5 4.5 275°.76 0°.6/ 4.2 18 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 13.10	−14 46.3	2.001	2.851	12.6	18.8
4 11	15 7.55	−14 46.2	1.904	2.832	9.4	18.6
4 21	14 59.85	−14 40.8	1.831	2.811	5.6	18.3
5 1	14 50.63	−14 31.7	1.785	2.791	1.5	18.0
5 11	14 40.83	−14 21.4	1.767	2.770	3.0	18.1
5 21	14 31.47	−14 12.9	1.777	2.750	7.3	18.3
5 31	14 23.50	−14 9.6	1.812	2.729	11.2	18.5
6 10	14 17.64	−14 14.3	1.870	2.707	14.6	18.6

244590 2002 XS_{62} 5 4.5 123°.28 5°.5/30.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 10.70	+ 0 49.6	2.350	3.201	11.0	20.5
4 11	15 5.12	+ 1 29.2	2.293	3.211	8.5	20.3
4 21	14 58.04	+ 2 3.1	2.261	3.220	6.4	20.2
5 1	14 50.07	+ 2 27.1	2.256	3.229	5.5	20.2
5 11	14 41.96	+ 2 37.9	2.279	3.238	6.7	20.2
5 21	14 34.45	+ 2 33.7	2.328	3.247	8.9	20.4
5 31	14 28.16	+ 2 14.2	2.402	3.255	11.2	20.6
6 10	14 23.52	+ 1 40.5	2.497	3.263	13.4	20.7

503073 2015 FK_{237} 5 4.5 181°.61 3°.6/ 1.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 9.78	− 8 4.4	2.020	2.883	12.0	21.5
4 11	15 4.78	− 7 13.6	1.950	2.883	8.9	21.2
4 21	14 57.98	− 6 20.9	1.905	2.883	5.6	21.1
5 1	14 50.08	− 5 31.2	1.886	2.883	3.6	20.9
5 11	14 41.93	− 4 49.2	1.895	2.883	5.2	21.0
5 21	14 34.39	− 4 19.0	1.931	2.882	8.4	21.2
5 31	14 28.21	− 4 3.3	1.992	2.882	11.6	21.4
6 10	14 23.92	− 4 2.9	2.073	2.881	14.5	21.6

181185 2005 SD_{104} 5 4.5 257°.49 3°.3/30.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 7.23	− 8 23.2	2.571	3.428	9.9	20.4
4 11	15 2.68	− 7 10.5	2.481	3.411	7.3	20.2
4 21	14 56.67	− 5 54.3	2.417	3.394	4.7	20.0
5 1	14 49.73	− 4 39.1	2.383	3.377	3.3	19.9
5 11	14 42.52	− 3 29.8	2.377	3.359	4.8	19.9
5 21	14 35.70	− 2 30.7	2.400	3.341	7.5	20.1
5 31	14 29.90	− 1 45.4	2.448	3.323	10.3	20.2
6 10	14 25.57	− 1 15.4	2.519	3.304	12.8	20.4

89182 2001 UQ_{68} 5 4.5 178°.78 1°.3/ 3.5 18 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 11.11	−12 5.0	2.507	3.355	10.5	19.4
4 11	15 5.50	−11 56.6	2.429	3.356	7.7	19.2
4 21	14 58.32	−11 45.5	2.376	3.356	4.5	19.0
5 1	14 50.17	−11 33.5	2.352	3.357	1.6	18.8
5 11	14 41.77	−11 23.2	2.357	3.357	2.9	18.9
5 21	14 33.85	−11 16.8	2.391	3.356	6.1	19.1
5 31	14 27.08	−11 16.5	2.451	3.356	9.1	19.3
6 10	14 21.94	−11 23.8	2.535	3.355	11.8	19.5

174828 2003 YN_{58} 5 4.6 72°.39 6°.0/ 1.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 14.38	− 3 9.3	1.464	2.334	15.3	19.5
4 11	15 8.47	− 2 25.6	1.419	2.351	11.5	19.3
4 21	15 0.23	− 1 46.7	1.395	2.368	7.9	19.2
5 1	14 50.66	− 1 18.7	1.396	2.386	6.0	19.1
5 11	14 40.98	− 1 6.6	1.423	2.403	7.6	19.2
5 21	14 32.34	− 1 13.0	1.475	2.420	11.0	19.4
5 31	14 25.66	− 1 38.2	1.549	2.437	14.5	19.7
6 10	14 21.48	− 2 20.3	1.642	2.454	17.5	19.9

210487 1996 VM_{9} 5 4.6 256°.23 3°.2/ 1.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
4 1	15 8.47	− 8 18.8	2.303	3.163	10.8	20.3
4 11	15 3.72	− 7 30.3	2.220	3.151	8.0	20.1
4 21	14 57.34	− 6 39.5	2.161	3.140	5.1	19.9
5 1	14 49.92	− 5 50.6	2.131	3.128	3.2	19.7
5 11	14 42.21	− 5 7.8	2.128	3.116	4.7	19.8
5 21	14 34.95	− 4 35.0	2.153	3.103	7.7	20.0
5 31	14 28.84	− 4 14.9	2.203	3.091	10.8	20.1
6 10	14 24.41	− 4 8.9	2.275	3.078	13.5	20.3

172049 2001 XB_{92} 5 4.6 258°.06 0°.9/ 5.3 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 9.81	−20 20.5	2.340	3.178	11.5	20.8
4 11	15 4.81	−20 7.7	2.247	3.166	8.6	20.6
4 21	14 58.04	−19 45.7	2.179	3.154	5.3	20.3
5 1	14 50.12	−19 15.7	2.138	3.142	1.8	20.1
5 11	14 41.84	−18 40.3	2.125	3.130	2.3	20.1
5 21	14 34.02	−18 3.1	2.141	3.117	5.9	20.3
5 31	14 27.41	−17 28.2	2.183	3.105	9.3	20.5
6 10	14 22.58	−16 59.5	2.248	3.092	12.3	20.6

67009 1999 XS_{122} 5 4.6 268°.08 2°.2/ 5.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 13.48	−22 7.1	1.968	2.803	13.4	18.9
4 11	15 7.91	−22 24.8	1.877	2.792	10.3	18.7
4 21	15 0.09	−22 32.1	1.809	2.780	6.7	18.4
5 1	14 50.70	−22 28.9	1.768	2.768	3.1	18.2
5 11	14 40.77	−22 16.5	1.754	2.756	3.1	18.1
5 21	14 31.36	−21 57.9	1.767	2.744	6.8	18.3
5 31	14 23.47	−21 37.7	1.806	2.732	10.6	18.5
6 10	14 17.82	−21 20.4	1.867	2.720	14.0	18.7

190380 1999 RS_{123} 5 4.6 202°.25 1°.2/ 3.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 11.37	−13 57.8	2.241	3.091	11.5	20.7
4 11	15 5.88	−13 30.5	2.160	3.087	8.4	20.5
4 21	14 58.64	−12 57.8	2.103	3.084	5.0	20.3
5 1	14 50.28	−12 22.3	2.074	3.079	1.6	20.0
5 11	14 41.62	−11 47.5	2.074	3.075	3.1	20.1
5 21	14 33.50	−11 17.1	2.102	3.069	6.7	20.4
5 31	14 26.66	−10 54.6	2.156	3.064	10.1	20.6
6 10	14 21.64	−10 42.2	2.233	3.058	13.0	20.7

158321 2001 VH_{85} 5 4.6 122°.98 2°.0/ 5.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 14.94	−22 26.2	1.956	2.788	13.6	21.0
4 11	15 8.73	−22 32.9	1.887	2.800	10.3	20.8
4 21	15 0.40	−22 28.2	1.841	2.811	6.6	20.6
5 1	14 50.75	−22 12.4	1.821	2.822	2.9	20.4
5 11	14 40.83	−21 47.9	1.830	2.833	3.0	20.4
5 21	14 31.67	−21 18.6	1.866	2.843	6.6	20.6
5 31	14 24.16	−20 49.3	1.928	2.853	10.2	20.9
6 10	14 18.88	−20 24.6	2.013	2.862	13.3	21.1

151147 2001 XZ_{54} 5 4.6 218°.58 1°.4/ 3.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 12.21	−13 47.5	1.890	2.746	13.0	19.8
4 11	15 6.80	−13 23.4	1.812	2.742	9.6	19.6
4 21	14 59.31	−12 53.3	1.757	2.738	5.6	19.4
5 1	14 50.48	−12 20.2	1.729	2.734	1.8	19.1
5 11	14 41.29	−11 48.1	1.728	2.729	3.5	19.2
5 21	14 32.73	−11 21.2	1.755	2.725	7.6	19.4
5 31	14 25.68	−11 3.3	1.807	2.720	11.4	19.7
6 10	14 20.77	−10 56.9	1.881	2.714	14.7	19.9

42552 1996 RH_{25} 5 4.6 95°.80 2°.7/ 6.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 17.13	−23 42.2	1.578	2.416	16.1	19.1
4 11	15 10.65	−23 47.2	1.520	2.435	12.2	18.9
4 21	15 1.63	−23 37.0	1.484	2.454	7.9	18.7
5 1	14 51.08	−23 12.1	1.473	2.473	3.7	18.5
5 11	14 40.31	−22 36.0	1.489	2.492	3.6	18.5
5 21	14 30.62	−21 53.9	1.531	2.510	7.5	18.8
5 31	14 23.02	−21 12.6	1.598	2.528	11.6	19.0
6 10	14 18.13	−20 37.9	1.687	2.545	15.1	19.3

279795 1999 XE_{40} 5 4.6 172°.94 1°.6/ 3.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 13.31	−11 28.2	2.445	3.290	10.8	21.0
4 11	15 7.12	−11 18.2	2.368	3.293	7.9	20.8
4 21	14 59.30	−11 5.6	2.316	3.296	4.7	20.6
5 1	14 50.45	−10 52.5	2.294	3.298	1.8	20.4
5 11	14 41.36	−10 41.6	2.301	3.299	3.2	20.5
5 21	14 32.80	−10 35.1	2.336	3.300	6.4	20.7
5 31	14 25.46	−10 35.2	2.399	3.300	9.5	20.9
6 10	14 19.84	−10 43.4	2.486	3.300	12.1	21.1

56902 2000 QT_{164} 5 4.6 307°.48 1°.1/ 3.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 7.63	−16 4.9	2.135	2.990	11.7	19.3
4 11	15 3.20	−15 12.9	2.056	2.987	8.6	19.1
4 21	14 57.07	−14 12.4	2.002	2.984	5.0	18.9
5 1	14 49.87	−13 7.1	1.975	2.981	1.5	18.6
5 11	14 42.42	−12 1.8	1.976	2.977	3.1	18.8
5 21	14 35.53	−11 1.8	2.005	2.975	6.8	19.0
5 31	14 29.92	−10 11.5	2.060	2.972	10.3	19.2
6 10	14 26.11	− 9 34.2	2.137	2.969	13.3	19.4

520271 2014 EM_{156} 5 4.6 301°.76 0°.1/ 4.5 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
4 1	15 8.11	−18 8.0	2.072	2.924	12.2	21.2
4 11	15 3.71	−17 35.6	1.985	2.913	9.0	21.0
4 21	14 57.45	−16 53.5	1.922	2.902	5.4	20.8
5 1	14 49.99	−16 4.3	1.885	2.891	1.4	20.5
5 11	14 42.18	−15 12.1	1.877	2.881	2.7	20.5
5 21	14 34.89	−14 21.6	1.895	2.870	6.7	20.8
5 31	14 28.92	−13 37.6	1.939	2.860	10.4	21.0
6 10	14 24.86	−13 4.0	2.006	2.850	13.6	21.2

329197 2012 DU_{45} 5 4.6 77°.95 2°.2/ 3.3 16

4 1	15 13.73	−12 37.5	1.523	2.389	15.0	21.6
4 11	15 8.05	−12 6.5	1.470	2.405	11.0	21.4
4 21	15 0.04	−11 30.2	1.439	2.421	6.5	21.2
5 1	14 50.65	−10 52.8	1.433	2.437	2.4	21.0
5 11	14 41.10	−10 19.5	1.454	2.453	4.4	21.1
5 21	14 32.53	− 9 54.9	1.500	2.469	8.7	21.4
5 31	14 25.87	− 9 42.6	1.571	2.485	12.7	21.7
6 10	14 21.70	− 9 44.1	1.661	2.501	16.1	22.0

210998 2001 XF_{46} 5 4.6 157°.93 8°.3/30.0 18

4 1	15 20.88	+ 7 44.6	1.987	2.815	13.6	20.8
4 11	15 12.78	+ 8 16.8	1.930	2.824	11.1	20.7
4 21	15 2.66	+ 8 36.2	1.897	2.833	9.1	20.6
5 1	14 51.34	+ 8 37.5	1.891	2.841	8.3	20.5
5 11	14 39.87	+ 8 17.4	1.912	2.847	9.4	20.6
5 21	14 29.27	+ 7 35.6	1.960	2.853	11.6	20.7
5 31	14 20.36	+ 6 34.2	2.032	2.858	14.0	20.9
6 10	14 13.70	+ 5 16.6	2.125	2.862	16.3	21.1

247142 2000 WR_{154} 5 4.6 231°.71 4°.2/ 8.3 18

4 1	15 13.05	−31 44.9	2.331	3.123	13.0	21.6
4 11	15 7.35	−31 28.8	2.230	3.110	10.5	21.4
4 21	14 59.63	−30 54.7	2.152	3.096	7.6	21.2
5 1	14 50.58	−30 2.0	2.099	3.082	5.0	21.0
5 11	14 41.14	−28 53.1	2.075	3.067	4.3	20.9
5 21	14 32.28	−27 32.6	2.079	3.052	6.4	21.0
5 31	14 24.86	−26 7.0	2.111	3.036	9.4	21.2
6 10	14 19.49	−24 43.4	2.168	3.020	12.4	21.3

56907 2000 QJ_{185} 5 4.6 217°.17 3°.1/ 7.1 18

4 1	15 11.97	−26 48.1	2.592	3.400	11.4	19.1
4 11	15 6.33	−27 2.8	2.500	3.394	8.9	18.9
4 21	14 58.93	−27 6.3	2.432	3.388	6.2	18.8
5 1	14 50.39	−26 58.1	2.391	3.382	3.7	18.6
5 11	14 41.48	−26 39.4	2.379	3.375	3.4	18.6
5 21	14 33.02	−26 12.6	2.395	3.368	5.6	18.7
5 31	14 25.76	−25 41.7	2.439	3.361	8.4	18.9
6 10	14 20.26	−25 11.0	2.507	3.353	11.1	19.0

337874 2001 WP_{51} 5 4.6 253°.96 0°.5/ 3.7 18

4 1	15 1.60	−15 42.2	4.463	5.304	6.4	20.5
4 11	14 58.04	−14 59.8	4.378	5.302	4.6	20.3
4 21	14 53.72	−14 13.5	4.321	5.301	2.7	20.2
5 1	14 48.96	−13 25.3	4.294	5.299	0.8	20.0
5 11	14 44.10	−12 37.1	4.297	5.298	1.6	20.1
5 21	14 39.49	−11 51.1	4.330	5.297	3.6	20.2
5 31	14 35.45	−11 9.4	4.392	5.295	5.5	20.4
6 10	14 32.23	−10 33.4	4.479	5.294	7.1	20.5

435238 2007 RE_{323} 5 4.6 284°.58 2°.3/ 5.8 16

4 1	15 14.52	−21 35.4	1.972	2.806	13.4	21.0
4 11	15 8.79	−22 6.0	1.874	2.788	10.3	20.7
4 21	15 0.70	−22 27.8	1.800	2.770	6.7	20.5
5 1	14 50.92	−22 39.8	1.752	2.752	3.2	20.2
5 11	14 40.46	−22 42.8	1.732	2.734	3.3	20.2
5 21	14 30.43	−22 39.0	1.739	2.716	7.0	20.4
5 31	14 21.89	−22 32.1	1.772	2.697	10.9	20.6
6 10	14 15.63	−22 26.6	1.828	2.679	14.4	20.8

336789 2011 CC_{47} 5 4.6 23°.92 4°.5/ 7.6 17

4 1	15 10.22	−28 37.0	1.436	2.274	17.3	19.8
4 11	15 6.00	−28 36.1	1.371	2.281	13.6	19.6
4 21	14 59.08	−28 13.6	1.325	2.288	9.5	19.3
5 1	14 50.45	−27 29.4	1.303	2.296	5.7	19.1
5 11	14 41.47	−26 27.5	1.305	2.304	4.9	19.1
5 21	14 33.49	−25 15.2	1.332	2.314	8.1	19.3
5 31	14 27.61	−24 1.4	1.383	2.323	12.1	19.6
6 10	14 24.49	−22 54.4	1.454	2.334	15.8	19.8

297047 2010 HT_{21} 5 4.6 315°.36 1°.8/ 1.6 16

4 1	15 1.54	− 9 45.1	4.229	5.081	6.5	20.7
4 11	14 58.03	− 8 50.5	4.149	5.078	4.7	20.5
4 21	14 53.73	− 7 54.1	4.097	5.075	2.9	20.4
5 1	14 48.97	− 6 58.2	4.074	5.072	1.8	20.3
5 11	14 44.11	− 6 5.4	4.081	5.069	2.7	20.4
5 21	14 39.50	− 5 17.9	4.119	5.066	4.5	20.5
5 31	14 35.47	− 4 37.6	4.183	5.063	6.3	20.6
6 10	14 32.29	− 4 5.7	4.272	5.060	7.9	20.7

158177 2001 QQ_{277} 5 4.6 289°.61 1°.6/ 3.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
4 1	15 15.11	−13 3.8	1.326	2.196	16.5	19.8
4 11	15 10.07	−12 59.4	1.236	2.174	12.4	19.5
4 21	15 1.87	−12 49.3	1.167	2.151	7.5	19.1
5 1	14 51.31	−12 36.1	1.122	2.128	2.3	18.8
5 11	14 39.75	−12 24.0	1.102	2.105	4.6	18.8
5 21	14 28.75	−12 17.7	1.106	2.082	10.2	19.1
5 31	14 19.81	−12 21.8	1.133	2.059	15.6	19.3
6 10	14 13.97	−12 39.7	1.178	2.036	20.2	19.5

201629 2003 SQ_{262} 5 4.6 191°.79 1°.9/ 2.9 18

4 1	15 10.37	−12 14.9	2.210	3.064	11.4	21.2
4 11	15 5.15	−11 37.2	2.133	3.063	8.4	21.0
4 21	14 58.21	−10 55.0	2.081	3.062	5.0	20.7
5 1	14 50.20	−10 11.5	2.057	3.060	2.1	20.5
5 11	14 41.93	− 9 31.0	2.061	3.058	3.7	20.6
5 21	14 34.22	− 8 57.1	2.093	3.056	7.1	20.9
5 31	14 27.79	− 8 33.2	2.151	3.053	10.4	21.0
6 10	14 23.15	− 8 21.2	2.231	3.050	13.2	21.2

466584 2014 UC_{93} 5 4.6 147°.41 0°.7/ 4.2 17

4 1	15 14.90	−15 12.2	1.715	2.569	14.2	21.9
4 11	15 8.92	−15 2.9	1.645	2.574	10.5	21.7
4 21	15 0.63	−14 46.7	1.598	2.578	6.2	21.5
5 1	14 50.86	−14 26.0	1.577	2.583	1.7	21.2
5 11	14 40.76	−14 4.4	1.583	2.587	3.3	21.3
5 21	14 31.44	−13 45.7	1.617	2.590	7.8	21.6
5 31	14 23.88	−13 33.9	1.675	2.593	11.8	21.8
6 10	14 18.71	−13 32.0	1.755	2.596	15.3	22.0

523535 2017 PC_{21} 5 4.6 30°.85 2°.5/ 3.2 17

4 1	15 11.58	−11 45.6	1.452	2.325	15.2	20.7
4 11	15 6.71	−11 20.3	1.391	2.330	11.2	20.4
4 21	14 59.39	−10 50.5	1.352	2.336	6.7	20.2
5 1	14 50.53	−10 20.3	1.338	2.342	2.7	20.0
5 11	14 41.38	− 9 54.9	1.350	2.349	4.7	20.1
5 21	14 33.11	− 9 38.7	1.386	2.357	9.1	20.4
5 31	14 26.76	− 9 35.1	1.446	2.364	13.3	20.6
6 10	14 22.93	− 9 45.7	1.525	2.372	16.9	20.9

300917 2008 CO_{16} 5 4.6 38°.64 0°.7/ 5.2 17

4 1	15 9.10	−19 52.5	2.280	3.121	11.6	21.2
4 11	15 4.24	−19 37.7	2.201	3.122	8.7	21.0
4 21	14 57.69	−19 13.9	2.146	3.122	5.3	20.8
5 1	14 50.07	−18 42.7	2.118	3.123	1.7	20.5
5 11	14 42.18	−18 7.1	2.119	3.124	2.3	20.6
5 21	14 34.84	−17 30.8	2.148	3.124	5.9	20.8
5 31	14 28.76	−16 57.7	2.202	3.125	9.2	21.0
6 10	14 24.45	−16 31.3	2.281	3.126	12.1	21.2

9102 Foglar 5 4.6 118°.35 0°.7/ 3.9 18

4 1	15 9.76	−15 4.6	2.352	3.201	11.0	19.3
4 11	15 4.58	−14 43.4	2.281	3.208	8.1	19.1
4 21	14 57.82	−14 16.7	2.235	3.215	4.7	18.9
5 1	14 50.09	−13 46.9	2.217	3.222	1.3	18.7
5 11	14 42.17	−13 17.2	2.227	3.229	2.7	18.8
5 21	14 34.80	−12 50.6	2.265	3.236	6.1	19.0
5 31	14 28.65	−12 30.4	2.331	3.242	9.2	19.2
6 10	14 24.20	−12 18.6	2.419	3.249	12.0	19.4

198456 2004 XJ_{10} 5 4.6 186°.19 2°.5/ 6.7 18

4 1	15 10.80	−26 24.6	2.008	2.833	13.6	19.8
4 11	15 5.75	−25 54.6	1.926	2.833	10.5	19.6
4 21	14 58.68	−25 8.2	1.867	2.833	6.9	19.3
5 1	14 50.34	−24 6.6	1.834	2.832	3.5	19.1
5 11	14 41.72	−22 53.9	1.829	2.832	3.1	19.1
5 21	14 33.79	−21 36.0	1.852	2.831	6.4	19.3
5 31	14 27.41	−20 19.5	1.901	2.830	10.0	19.5
6 10	14 23.14	−19 10.8	1.974	2.829	13.3	19.7

296413 2009 HO_{1} 5 4.6 326°.57 3°.3/ 2.9 16

4 1	15 12.13	− 6 44.1	1.830	2.694	13.0	19.6
4 11	15 6.90	− 6 46.7	1.746	2.678	9.7	19.4
4 21	14 59.49	− 6 51.5	1.685	2.663	6.1	19.1
5 1	14 50.60	− 7 1.2	1.649	2.649	3.4	18.9
5 11	14 41.20	− 7 18.6	1.641	2.635	4.9	19.0
5 21	14 32.32	− 7 45.6	1.660	2.622	8.6	19.2
5 31	14 24.92	− 8 23.3	1.703	2.610	12.4	19.4
6 10	14 19.70	− 9 11.7	1.768	2.598	15.7	19.6

419982 2011 CZ_{16} 5 4.6 110°.13 1°.7/ 3.4 18

4 1	15 13.11	−12 59.7	1.878	2.734	13.1	21.5
4 11	15 7.28	−12 29.6	1.818	2.749	9.5	21.3
4 21	14 59.49	−11 54.4	1.781	2.763	5.6	21.1
5 1	14 50.55	−11 17.8	1.772	2.776	2.0	20.9
5 11	14 41.43	−10 43.9	1.790	2.790	3.7	21.0
5 21	14 33.10	−10 16.7	1.836	2.803	7.6	21.3
5 31	14 26.35	− 9 59.5	1.906	2.815	11.1	21.5
6 10	14 21.72	− 9 54.3	1.999	2.827	14.2	21.8

164700 1998 AO_4 5 4.6 211°.26 4°.2/ 1.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
4 1	15 14.34	− 7 2.9	1.736	2.598	13.7	20.4
4 11	15 8.50	− 6 19.8	1.661	2.593	10.2	20.1
4 21	15 0.40	− 5 35.6	1.610	2.587	6.6	19.9
5 1	14 50.84	− 4 55.5	1.585	2.581	4.3	19.7
5 11	14 40.88	− 4 24.9	1.587	2.575	6.0	19.8
5 21	14 31.62	− 4 7.7	1.616	2.568	9.7	20.0
5 31	14 24.00	− 4 6.8	1.668	2.560	13.4	20.2
6 10	14 18.70	− 4 22.5	1.741	2.552	16.7	20.4

278730 2008 SZ_{70} 5 4.6 229°.22 0°.0/ 4.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 12.69	−16 44.9	1.967	2.815	12.9	20.9
4 11	15 7.16	−16 41.8	1.886	2.812	9.5	20.7
4 21	14 59.56	−16 31.7	1.829	2.808	5.7	20.4
5 1	14 50.61	−16 15.9	1.799	2.805	1.5	20.1
5 11	14 41.28	−15 57.4	1.797	2.801	2.7	20.2
5 21	14 32.53	−15 39.5	1.822	2.797	6.9	20.4
5 31	14 25.28	−15 26.0	1.873	2.793	10.7	20.7
6 10	14 20.14	−15 19.9	1.946	2.789	14.0	20.9

375798 2009 TA_4 5 4.6 234°.73 4°.1/30.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 10.36	− 8 8.8	2.041	2.902	12.0	21.8
4 11	15 5.32	− 6 51.2	1.959	2.890	8.9	21.6
4 21	14 58.41	− 5 29.4	1.901	2.878	5.8	21.4
5 1	14 50.30	− 4 9.3	1.872	2.866	4.1	21.2
5 11	14 41.85	− 2 57.3	1.871	2.853	5.8	21.3
5 21	14 33.95	− 1 58.9	1.896	2.839	9.1	21.5
5 31	14 27.37	− 1 18.0	1.947	2.825	12.4	21.6
6 10	14 22.70	− 0 56.0	2.018	2.811	15.3	21.8

395472 2011 UK_{27} 5 4.6 226°.75 1°.0/ 3.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 9.00	−14 22.3	2.510	3.358	10.4	21.4
4 11	15 4.03	−13 58.8	2.426	3.353	7.6	21.2
4 21	14 57.53	−13 30.2	2.367	3.347	4.5	21.0
5 1	14 50.06	−12 58.8	2.336	3.341	1.4	20.7
5 11	14 42.32	−12 27.8	2.334	3.335	2.7	20.8
5 21	14 35.03	−12 0.2	2.361	3.329	6.0	21.0
5 31	14 28.84	−11 39.1	2.414	3.323	9.1	21.2
6 10	14 24.24	−11 26.6	2.490	3.316	11.8	21.4

37729 Akiratakao 5 4.6 235°.06 0°.6/ 4.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 15.22	−17 45.4	2.148	2.986	12.3	19.3
4 11	15 9.01	−17 55.0	2.055	2.974	9.2	19.0
4 21	15 0.70	−17 57.8	1.985	2.962	5.6	18.8
5 1	14 50.95	−17 54.5	1.943	2.948	1.7	18.5
5 11	14 40.69	−17 46.7	1.931	2.935	2.6	18.5
5 21	14 30.90	−17 37.2	1.946	2.921	6.6	18.8
5 31	14 22.50	−17 29.4	1.989	2.906	10.3	19.0
6 10	14 16.16	−17 26.6	2.054	2.891	13.5	19.2

377352 2004 RQ_{57} 5 4.6 238°.06 8°.0/10.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 16.47	−38 30.8	2.046	2.807	15.5	20.8
4 11	15 10.50	−39 17.2	1.955	2.799	13.3	20.7
4 21	15 1.84	−39 43.3	1.885	2.791	10.8	20.5
5 1	14 51.29	−39 44.9	1.837	2.783	8.8	20.3
5 11	14 40.07	−39 20.8	1.815	2.775	8.0	20.3
5 21	14 29.50	−38 34.0	1.818	2.766	9.1	20.3
5 31	14 20.79	−37 30.7	1.846	2.757	11.3	20.4
6 10	14 14.76	−36 19.5	1.896	2.748	13.9	20.6

316646 2011 YS_{37} 5 4.6 107°.58 3°.0/ 2.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 14.18	−10 41.8	1.619	2.483	14.4	21.3
4 11	15 8.30	− 9 59.6	1.563	2.497	10.5	21.1
4 21	15 0.20	− 9 13.7	1.530	2.511	6.4	20.9
5 1	14 50.77	− 8 28.9	1.523	2.524	3.1	20.7
5 11	14 41.17	− 7 50.6	1.542	2.538	5.0	20.9
5 21	14 32.49	− 7 23.4	1.588	2.550	8.9	21.1
5 31	14 25.63	− 7 10.5	1.658	2.563	12.7	21.4
6 10	14 21.14	− 7 12.9	1.748	2.575	16.0	21.6

366556 2002 RP_{113} 5 4.6 253°.71 0°.3/ 4.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 12.94	−17 25.1	1.820	2.671	13.6	21.9
4 11	15 7.62	−16 55.4	1.727	2.654	10.2	21.7
4 21	14 59.99	−16 15.1	1.657	2.637	6.1	21.4
5 1	14 50.78	−15 26.8	1.613	2.619	1.6	21.0
5 11	14 41.03	−14 34.9	1.597	2.601	3.2	21.1
5 21	14 31.82	−13 44.8	1.609	2.583	7.8	21.3
5 31	14 24.18	−13 2.1	1.645	2.563	12.0	21.6
6 10	14 18.84	−12 31.4	1.703	2.544	15.7	21.7

420314 2011 YC_{64} 5 4.6 325°.57 2°.1/ 5.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 10.94	−23 20.1	1.385	2.241	16.8	20.6
4 11	15 6.69	−23 0.6	1.309	2.235	12.9	20.3
4 21	14 59.64	−22 22.7	1.253	2.229	8.2	20.0
5 1	14 50.71	−21 27.8	1.221	2.223	3.4	19.7
5 11	14 41.25	−20 21.1	1.213	2.218	3.5	19.7
5 21	14 32.65	−19 10.2	1.231	2.214	8.4	20.0
5 31	14 26.13	−18 3.8	1.271	2.209	13.2	20.2
6 10	14 22.45	−17 9.4	1.332	2.205	17.4	20.5

268337 2005 SK_{133} 5 4.6 145°.16 1°.7/ 3.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
4 1	15 11.20	−14 35.5	2.062	2.915	12.2	20.9
4 11	15 5.79	−13 32.6	1.994	2.924	8.9	20.7
4 21	14 58.60	−12 22.2	1.951	2.932	5.2	20.5
5 1	14 50.36	−11 8.7	1.935	2.940	1.9	20.3
5 11	14 41.95	− 9 57.7	1.949	2.947	3.7	20.4
5 21	14 34.22	− 8 54.5	1.990	2.954	7.3	20.7
5 31	14 27.91	− 8 3.7	2.057	2.960	10.7	20.9
6 10	14 23.52	− 7 27.7	2.147	2.965	13.7	21.1

77962 2002 JA_1 5 4.6 280°.68 7°.0/29.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 12.49	+ 2 11.7	1.997	2.851	12.5	19.0
4 11	15 7.04	+ 2 57.8	1.910	2.827	10.0	18.8
4 21	14 59.55	+ 3 37.7	1.845	2.802	7.8	18.6
5 1	14 50.67	+ 4 5.5	1.807	2.777	7.0	18.5
5 11	14 41.29	+ 4 16.2	1.796	2.752	8.4	18.5
5 21	14 32.36	+ 4 7.0	1.810	2.726	11.1	18.7
5 31	14 24.76	+ 3 36.9	1.847	2.701	14.1	18.8
6 10	14 19.17	+ 2 47.4	1.904	2.675	16.8	18.9

340786 2006 SZ_{394} 5 4.6 126°.02 2°.5/ 7.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 12.44	−26 33.6	3.001	3.802	10.2	22.2
4 11	15 6.31	−26 41.4	2.928	3.819	7.9	22.1
4 21	14 58.78	−26 39.2	2.881	3.837	5.4	22.0
5 1	14 50.40	−26 26.9	2.863	3.854	3.1	21.8
5 11	14 41.86	−26 6.0	2.874	3.870	2.8	21.8
5 21	14 33.84	−25 39.1	2.914	3.886	4.8	22.0
5 31	14 26.92	−25 9.4	2.983	3.901	7.2	22.2
6 10	14 21.54	−24 40.3	3.076	3.916	9.4	22.3

247818 2003 SX_{150} 5 4.6 269°.74 4°.1/ 2.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 14.04	− 7 44.8	1.553	2.421	14.7	20.3
4 11	15 8.68	− 7 12.0	1.471	2.406	11.0	20.0
4 21	15 0.74	− 6 37.7	1.411	2.390	7.0	19.8
5 1	14 51.02	− 6 6.8	1.376	2.375	4.2	19.5
5 11	14 40.69	− 5 44.8	1.367	2.359	6.1	19.6
5 21	14 30.99	− 5 36.2	1.383	2.342	10.3	19.8
5 31	14 23.06	− 5 43.9	1.423	2.326	14.5	20.0
6 10	14 17.70	− 6 8.8	1.482	2.310	18.3	20.2

305387 2008 CX_{44} 5 4.6 94°.94 3°.1/ 7.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 12.70	−26 57.6	2.498	3.306	11.7	21.7
4 11	15 6.75	−27 10.8	2.431	3.325	9.1	21.5
4 21	14 59.14	−27 12.1	2.388	3.344	6.3	21.4
5 1	14 50.51	−27 1.3	2.372	3.363	3.7	21.3
5 11	14 41.70	−26 40.1	2.385	3.381	3.3	21.3
5 21	14 33.52	−26 11.6	2.426	3.400	5.5	21.4
5 31	14 26.67	−25 39.7	2.495	3.417	8.2	21.6
6 10	14 21.62	−25 8.7	2.587	3.435	10.7	21.8

294816 2008 CT_{119} 5 4.6 54°.06 8°.2/ 9.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 17.63	−34 35.3	1.371	2.180	19.5	20.1
4 11	15 11.76	−35 27.6	1.319	2.200	16.1	19.9
4 21	15 2.65	−35 53.9	1.286	2.222	12.4	19.7
5 1	14 51.50	−35 50.4	1.274	2.243	9.3	19.6
5 11	14 40.02	−35 18.0	1.286	2.265	8.3	19.6
5 21	14 29.86	−34 23.0	1.321	2.287	10.0	19.7
5 31	14 22.35	−33 15.4	1.380	2.310	13.0	20.0
6 10	14 18.17	−32 6.1	1.459	2.332	16.1	20.2

485412 2011 OP_{56} 5 4.6 275°.20 5°.3/25.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 1.71	+12 22.7	4.448	5.266	6.8	20.6
4 11	14 58.16	+13 11.4	4.391	5.262	5.9	20.5
4 21	14 53.85	+13 53.1	4.360	5.258	5.4	20.4
5 1	14 49.09	+14 24.9	4.355	5.254	5.5	20.4
5 11	14 44.23	+14 45.1	4.376	5.249	6.1	20.5
5 21	14 39.61	+14 52.7	4.423	5.245	7.0	20.5
5 31	14 35.55	+14 47.5	4.492	5.241	8.1	20.6
6 10	14 32.30	+14 30.0	4.581	5.237	9.1	20.7

392952 2012 WT_{20} 5 4.6 87°.85 0°.2/ 4.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 11.97	−15 45.5	2.160	3.008	11.9	20.8
4 11	15 6.42	−15 47.8	2.086	3.012	8.8	20.6
4 21	14 59.04	−15 44.5	2.037	3.016	5.2	20.4
5 1	14 50.52	−15 37.3	2.014	3.020	1.4	20.1
5 11	14 41.71	−15 28.3	2.020	3.024	2.6	20.2
5 21	14 33.48	−15 20.3	2.054	3.028	6.3	20.5
5 31	14 26.61	−15 16.2	2.115	3.033	9.8	20.7
6 10	14 21.64	−15 18.3	2.198	3.037	12.7	20.9

459432 2012 TL_{14} 5 4.6 233°.18 0°.8/ 5.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 2.18	−21 50.9	4.707	5.528	6.4	22.0
4 11	14 58.51	−21 33.9	4.615	5.524	4.8	21.8
4 21	14 54.06	−21 11.5	4.549	5.519	3.0	21.7
5 1	14 49.15	−20 44.8	4.512	5.514	1.2	21.6
5 11	14 44.13	−20 15.2	4.505	5.509	1.3	21.6
5 21	14 39.33	−19 44.2	4.528	5.504	3.1	21.7
5 31	14 35.08	−19 13.9	4.580	5.499	4.9	21.8
6 10	14 31.66	−18 45.9	4.658	5.494	6.5	21.9

9927 Tyutchev 5 4.6 283.°86 1.°1/ 5.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
4 1	15 12.79	−21 44.7	1.445	2.300	16.3	17.8
4 11	15 8.26	−21 13.1	1.346	2.273	12.5	17.5
4 21	15 0.78	−20 22.9	1.267	2.245	7.9	17.1
5 1	14 51.11	−19 15.2	1.212	2.217	2.7	16.7
5 11	14 40.53	−17 55.2	1.183	2.189	3.5	16.7
5 21	14 30.51	−16 31.0	1.180	2.160	9.1	16.9
5 31	14 22.42	−15 12.4	1.200	2.131	14.4	17.1
6 10	14 17.26	−14 7.9	1.239	2.102	19.1	17.3

225958 2002 CL_{60} 5 4.6 141.°19 0.°6/ 4.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 13.51	−15 27.7	2.090	2.936	12.3	20.9
4 11	15 7.53	−15 12.4	2.020	2.945	9.0	20.7
4 21	14 59.68	−14 50.8	1.974	2.954	5.3	20.5
5 1	14 50.69	−14 25.2	1.956	2.962	1.4	20.2
5 11	14 41.46	−13 58.9	1.967	2.970	2.8	20.3
5 21	14 32.91	−13 35.2	2.006	2.977	6.7	20.6
5 31	14 25.80	−13 17.8	2.071	2.984	10.2	20.8
6 10	14 20.68	−13 9.0	2.159	2.991	13.1	21.0

243352 2008 UP_{229} 5 4.6 118.°71 1.°9/ 5.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 11.70	−22 26.9	1.992	2.829	13.2	21.1
4 11	15 6.46	−22 24.6	1.915	2.831	10.0	20.9
4 21	14 59.17	−22 10.8	1.860	2.832	6.4	20.7
5 1	14 50.57	−21 46.1	1.832	2.834	2.8	20.5
5 11	14 41.64	−21 13.3	1.832	2.835	2.8	20.5
5 21	14 33.36	−20 36.5	1.858	2.837	6.5	20.7
5 31	14 26.59	−20 0.5	1.911	2.838	10.1	20.9
6 10	14 21.93	−19 30.1	1.986	2.840	13.3	21.1

335607 2006 EW_{42} 5 4.6 240.°46 0.°7/ 4.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 9.85	−16 50.7	1.902	2.757	13.0	20.7
4 11	15 5.08	−16 8.8	1.826	2.756	9.5	20.4
4 21	14 58.33	−15 17.5	1.774	2.755	5.6	20.2
5 1	14 50.34	−14 20.1	1.748	2.754	1.5	19.9
5 11	14 42.07	−13 21.7	1.750	2.753	3.1	20.0
5 21	14 34.44	−12 27.6	1.779	2.751	7.3	20.3
5 31	14 28.29	−11 42.8	1.833	2.750	11.0	20.5
6 10	14 24.19	−11 10.7	1.909	2.749	14.3	20.7

426472 2013 QB_{93} 5 4.6 257.°88 2.°0/ 3.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 11.99	−13 20.1	1.744	2.605	13.7	21.3
4 11	15 6.91	−12 42.1	1.660	2.593	10.1	21.0
4 21	14 59.57	−11 57.0	1.599	2.581	6.0	20.7
5 1	14 50.71	−11 8.4	1.564	2.568	2.2	20.5
5 11	14 41.37	−10 21.7	1.556	2.555	4.2	20.6
5 21	14 32.64	− 9 42.2	1.574	2.542	8.5	20.8
5 31	14 25.50	− 9 14.4	1.617	2.529	12.6	21.0
6 10	14 20.64	− 9 1.4	1.681	2.515	16.2	21.2

422570 2014 TA_{49} 5 4.6 291.°31 2.°6/ 6.0 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 12.87	−23 21.1	1.367	2.220	17.1	21.0
4 11	15 8.50	−23 17.2	1.272	2.197	13.3	20.7
4 21	15 1.02	−22 55.4	1.198	2.173	8.7	20.4
5 1	14 51.20	−22 15.4	1.147	2.149	3.9	20.0
5 11	14 40.41	−21 20.2	1.120	2.125	3.9	19.9
5 21	14 30.21	−20 16.6	1.118	2.101	9.1	20.2
5 31	14 22.11	−19 13.6	1.139	2.077	14.4	20.4
6 10	14 17.12	−18 20.1	1.179	2.053	19.1	20.6

140229 2001 SC_{243} 5 4.6 180.°41 0.°9/ 3.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 9.66	−14 39.5	2.361	3.210	11.0	20.6
4 11	15 4.58	−14 14.2	2.283	3.211	8.0	20.4
4 21	14 57.90	−13 43.4	2.231	3.211	4.7	20.2
5 1	14 50.22	−13 9.7	2.206	3.211	1.4	19.9
5 11	14 42.29	−12 36.2	2.209	3.211	2.8	20.0
5 21	14 34.88	−12 6.5	2.241	3.211	6.2	20.3
5 31	14 28.67	−11 43.7	2.300	3.210	9.4	20.5
6 10	14 24.14	−11 30.0	2.381	3.209	12.2	20.6

379714 2011 GL_{17} 5 4.6 71.°79 0.°5/ 4.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 11.50	−19 59.4	1.716	2.567	14.3	21.0
4 11	15 6.36	−19 27.3	1.655	2.582	10.6	20.8
4 21	14 59.08	−18 43.2	1.617	2.596	6.4	20.6
5 1	14 50.53	−17 50.0	1.605	2.610	1.9	20.3
5 11	14 41.81	−16 52.8	1.620	2.625	2.8	20.4
5 21	14 33.95	−15 57.3	1.661	2.639	7.2	20.7
5 31	14 27.81	−15 9.3	1.728	2.653	11.1	21.0
6 10	14 23.94	−14 32.8	1.816	2.668	14.4	21.2

7713 Tsutomu 5 4.6 155.°56 1.°1/ 3.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 13.75	−15 3.1	2.008	2.857	12.6	19.2
4 11	15 7.76	−14 28.3	1.938	2.865	9.3	19.0
4 21	14 59.84	−13 46.4	1.892	2.872	5.4	18.8
5 1	14 50.74	−13 0.7	1.873	2.879	1.6	18.6
5 11	14 41.42	−12 15.4	1.883	2.885	3.2	18.7
5 21	14 32.80	−11 35.1	1.921	2.890	7.2	18.9
5 31	14 25.69	−11 3.7	1.985	2.895	10.7	19.2
6 10	14 20.63	−10 44.0	2.072	2.899	13.8	19.4

19501 1998 KC_{50} 5 4.6 303.°41 6.°8/29.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
4 1	15 10.52	+ 3 30.4	2.136	2.989	11.9	17.0
4 11	15 5.36	+ 4 7.6	2.063	2.977	9.5	16.9
4 21	14 58.43	+ 4 37.0	2.013	2.966	7.5	16.7
5 1	14 50.38	+ 4 53.5	1.989	2.955	6.8	16.7
5 11	14 42.02	+ 4 53.4	1.992	2.943	8.0	16.7
5 21	14 34.17	+ 4 34.7	2.020	2.933	10.3	16.8
5 31	14 27.59	+ 3 57.5	2.072	2.922	12.9	17.0
6 10	14 22.83	+ 3 3.3	2.143	2.911	15.3	17.1

496619 2015 KX_{42} 5 4.6 58.°48 2.°5/ 3.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 13.72	− 8 36.8	1.959	2.816	12.6	20.9
4 11	15 7.71	− 8 38.9	1.898	2.828	9.2	20.7
4 21	14 59.80	− 8 41.3	1.861	2.840	5.6	20.5
5 1	14 50.73	− 8 46.1	1.850	2.852	2.7	20.3
5 11	14 41.45	− 8 55.7	1.868	2.865	4.1	20.4
5 21	14 32.89	− 9 12.0	1.914	2.877	7.6	20.6
5 31	14 25.83	− 9 36.2	1.985	2.890	10.9	20.9
6 10	14 20.82	−10 8.9	2.078	2.903	13.8	21.1

205804 2002 CV_{165} 5 4.6 85.°63 0.°0/ 4.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 16.44	−17 19.7	1.429	2.287	16.3	20.4
4 11	15 10.28	−17 7.9	1.375	2.306	12.0	20.2
4 21	15 1.52	−16 46.1	1.343	2.324	7.1	20.0
5 1	14 51.19	−16 16.8	1.336	2.342	1.9	19.7
5 11	14 40.68	−15 44.5	1.355	2.360	3.3	19.9
5 21	14 31.28	−15 14.6	1.400	2.377	8.3	20.2
5 31	14 24.03	−14 52.2	1.469	2.394	12.7	20.5
6 10	14 19.53	−14 40.8	1.558	2.411	16.3	20.8

60279 1999 XQ_{92} 5 4.6 45.°46 4.°2/ 2.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 12.10	− 8 35.0	1.358	2.236	15.8	18.8
4 11	15 7.15	− 7 52.6	1.306	2.246	11.6	18.5
4 21	14 59.69	− 7 8.6	1.275	2.257	7.2	18.3
5 1	14 50.72	− 6 28.9	1.268	2.268	4.2	18.2
5 11	14 41.52	− 5 59.7	1.286	2.279	6.2	18.3
5 21	14 33.32	− 5 45.4	1.329	2.291	10.3	18.6
5 31	14 27.13	− 5 48.4	1.393	2.303	14.3	18.8
6 10	14 23.55	− 6 8.7	1.477	2.316	17.8	19.1

288770 2004 RN_{96} 5 4.6 209.°89 0.°3/ 4.8 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 14.37	−19 34.1	1.685	2.533	14.7	21.7
4 11	15 8.74	−19 0.0	1.603	2.528	11.0	21.4
4 21	15 0.68	−18 12.7	1.544	2.523	6.7	21.2
5 1	14 51.02	−17 14.8	1.511	2.517	1.9	20.8
5 11	14 40.91	−16 11.3	1.506	2.510	3.1	20.9
5 21	14 31.55	−15 8.7	1.527	2.503	7.9	21.2
5 31	14 23.97	−14 13.6	1.573	2.495	12.2	21.4
6 10	14 18.88	−13 31.3	1.641	2.487	16.0	21.6

302278 2001 XO_{222} 5 4.6 263.°27 2.°4/ 3.5 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 15.99	−11 17.3	1.481	2.346	15.4	20.9
4 11	15 10.31	−11 5.9	1.398	2.333	11.5	20.6
4 21	15 1.83	−10 50.7	1.337	2.319	7.0	20.3
5 1	14 51.38	−10 34.9	1.300	2.304	2.7	20.0
5 11	14 40.22	−10 22.8	1.290	2.290	4.7	20.1
5 21	14 29.72	−10 18.6	1.305	2.275	9.6	20.3
5 31	14 21.15	−10 25.7	1.344	2.260	14.3	20.5
6 10	14 15.35	−10 46.2	1.402	2.245	18.4	20.7

38766 2000 RV_{6} 5 4.6 94.°73 2.°5/ 2.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 13.16	−13 6.8	1.481	2.349	15.3	18.8
4 11	15 7.77	−12 13.3	1.424	2.360	11.2	18.6
4 21	15 0.01	−11 12.5	1.389	2.372	6.6	18.4
5 1	14 50.80	−10 10.1	1.380	2.383	2.7	18.2
5 11	14 41.39	− 9 12.9	1.396	2.395	4.8	18.3
5 21	14 32.95	− 8 26.8	1.439	2.406	9.2	18.6
5 31	14 26.44	− 7 56.4	1.505	2.417	13.3	18.9
6 10	14 22.45	− 7 43.7	1.591	2.428	16.8	19.1

472899 2015 FF_{334} 5 4.6 349.°68 4.°2/ 1.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 7.60	− 7 22.5	1.917	2.786	12.3	21.0
4 11	15 3.34	− 6 15.6	1.848	2.784	9.1	20.8
4 21	14 57.27	− 5 6.7	1.804	2.782	5.9	20.6
5 1	14 50.07	− 4 1.7	1.787	2.781	4.2	20.5
5 11	14 42.62	− 3 6.4	1.796	2.779	5.9	20.6
5 21	14 35.78	− 2 25.3	1.831	2.778	9.1	20.7
5 31	14 30.31	− 2 1.6	1.891	2.778	12.3	20.9
6 10	14 26.73	− 1 55.9	1.970	2.777	15.1	21.1

308467 2005 TN_{2} 5 4.6 202.°66 3.°0/ 7.0 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 11.38	−26 18.2	2.493	3.306	11.6	21.1
4 11	15 5.96	−26 31.9	2.407	3.305	9.1	20.9
4 21	14 58.80	−26 34.3	2.345	3.303	6.2	20.7
5 1	14 50.49	−26 25.0	2.310	3.302	3.6	20.6
5 11	14 41.86	−26 5.5	2.302	3.300	3.3	20.5
5 21	14 33.71	−25 38.5	2.324	3.298	5.7	20.7
5 31	14 26.80	−25 7.9	2.372	3.296	8.5	20.9
6 10	14 21.68	−24 38.0	2.444	3.294	11.2	21.0

284520 2007 RB_{96} 5 4.6 288°.79 0°.8/ 4.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
4 1	15 10.58	−15 9.7	1.977	2.832	12.5	20.5
4 11	15 5.61	−14 51.7	1.898	2.828	9.2	20.3
4 21	14 58.68	−14 27.3	1.842	2.823	5.5	20.0
5 1	14 50.48	−13 58.7	1.812	2.818	1.5	19.7
5 11	14 41.92	−13 29.8	1.810	2.813	3.0	19.8
5 21	14 33.94	−13 4.1	1.835	2.808	7.1	20.1
5 31	14 27.37	−12 45.6	1.886	2.803	10.8	20.3
6 10	14 22.82	−12 36.8	1.959	2.799	14.0	20.5

250783 2005 TE_{73} 5 4.6 232°.40 4°.4/29.9 18

4 1	15 7.87	− 2 2.8	2.763	3.616	9.5	21.2
4 11	15 3.08	− 1 9.4	2.683	3.605	7.2	21.1
4 21	14 56.95	− 0 18.0	2.629	3.594	5.2	20.9
5 1	14 49.99	+ 0 27.5	2.604	3.583	4.5	20.8
5 11	14 42.79	+ 1 3.2	2.606	3.571	5.6	20.9
5 21	14 35.98	+ 1 26.6	2.637	3.559	7.8	21.0
5 31	14 30.11	+ 1 35.9	2.692	3.546	10.1	21.2
6 10	14 25.63	+ 1 30.9	2.769	3.534	12.3	21.3

42696 1998 KO_{62} 5 4.6 339°.99 4°.0/ 6.8 18

4 1	15 10.96	−25 39.7	1.292	2.146	17.9	18.3
4 11	15 7.01	−25 49.7	1.217	2.139	14.0	18.1
4 21	15 0.02	−25 40.2	1.162	2.132	9.5	17.8
5 1	14 50.91	−25 10.4	1.129	2.127	5.1	17.5
5 11	14 41.14	−24 23.3	1.119	2.121	4.6	17.5
5 21	14 32.27	−23 25.7	1.133	2.117	8.8	17.7
5 31	14 25.64	−22 26.5	1.170	2.113	13.6	17.9
6 10	14 22.11	−21 34.3	1.226	2.110	17.8	18.2

111182 2001 WF_{4} 5 4.6 81°.44 4°.0/ 2.1 18

4 1	15 14.11	− 6 53.9	1.751	2.612	13.6	19.2
4 11	15 7.99	− 6 15.0	1.705	2.637	10.0	19.0
4 21	14 59.92	− 5 36.9	1.684	2.661	6.3	18.8
5 1	14 50.76	− 5 4.2	1.689	2.685	4.1	18.8
5 11	14 41.55	− 4 41.3	1.721	2.709	5.6	18.9
5 21	14 33.27	− 4 31.3	1.779	2.732	8.9	19.1
5 31	14 26.67	− 4 35.6	1.862	2.755	12.2	19.4
6 10	14 22.26	− 4 54.1	1.966	2.778	15.0	19.6

377835 2006 BU_{120} 5 4.6 90°.54 1°.9/ 6.0 17

4 1	15 12.30	−23 16.0	1.872	2.709	13.9	20.8
4 11	15 6.90	−23 2.1	1.805	2.721	10.6	20.6
4 21	14 59.42	−22 34.7	1.761	2.732	6.7	20.4
5 1	14 50.66	−21 55.3	1.742	2.744	2.9	20.2
5 11	14 41.68	−21 7.5	1.751	2.755	2.9	20.2
5 21	14 33.49	−20 16.5	1.788	2.767	6.6	20.5
5 31	14 26.94	−19 27.9	1.849	2.778	10.3	20.7
6 10	14 22.61	−18 46.7	1.934	2.789	13.5	20.9

110185 2001 SV_{177} 5 4.6 149°.40 2°.8/ 2.4 17

4 1	15 12.25	−10 1.6	2.061	2.918	12.1	20.8
4 11	15 6.58	− 9 16.3	1.995	2.926	8.8	20.6
4 21	14 59.12	− 8 28.0	1.954	2.933	5.4	20.4
5 1	14 50.57	− 7 40.9	1.940	2.940	2.9	20.3
5 11	14 41.83	− 6 59.5	1.954	2.946	4.5	20.4
5 21	14 33.75	− 6 27.8	1.996	2.952	7.8	20.6
5 31	14 27.09	− 6 8.6	2.063	2.958	11.1	20.8
6 10	14 22.34	− 6 3.2	2.152	2.963	13.9	21.0

27981 1997 UK_{21} 5 4.6 111°.90 0°.8/ 5.2 18

4 1	15 14.58	−19 33.3	1.918	2.759	13.5	18.6
4 11	15 8.47	−19 26.0	1.854	2.774	10.0	18.4
4 21	15 0.30	−19 9.0	1.813	2.789	6.1	18.2
5 1	14 50.90	−18 43.7	1.799	2.804	2.0	18.0
5 11	14 41.28	−18 13.3	1.813	2.818	2.6	18.0
5 21	14 32.46	−17 42.0	1.855	2.831	6.7	18.3
5 31	14 25.29	−17 14.3	1.922	2.845	10.3	18.5
6 10	14 20.30	−16 53.8	2.012	2.857	13.5	18.8

504035 2005 UH_{191} 5 4.6 245°.00 0°.5/ 4.9 17

4 1	15 12.36	−19 49.1	2.046	2.887	12.8	22.9
4 11	15 7.00	−19 20.9	1.951	2.872	9.6	22.7
4 21	14 59.58	−18 41.2	1.879	2.856	5.8	22.4
5 1	14 50.75	−17 52.0	1.834	2.839	1.8	22.1
5 11	14 41.46	−16 57.2	1.818	2.822	2.6	22.1
5 21	14 32.69	−16 1.5	1.829	2.805	6.8	22.4
5 31	14 25.33	−15 10.7	1.867	2.787	10.7	22.6
6 10	14 20.05	−14 29.3	1.927	2.768	14.1	22.7

42917 1999 SU_{1} 5 4.6 212°.43 5°.1/ 8.2 18 R

4 1	15 15.41	−31 28.0	2.279	3.069	13.3	18.2
4 11	15 9.27	−31 59.7	2.188	3.064	10.8	18.0
4 21	15 0.94	−32 16.4	2.120	3.058	8.1	17.8
5 1	14 51.12	−32 16.1	2.077	3.052	5.7	17.7
5 11	14 40.80	−31 59.1	2.062	3.046	5.2	17.6
5 21	14 31.01	−31 28.0	2.074	3.039	7.0	17.7
5 31	14 22.72	−30 47.8	2.113	3.032	9.7	17.9
6 10	14 16.60	−30 4.5	2.175	3.024	12.4	18.0

503773 2016 QB_{43} 5 4.6 312°.78 3°.3/ 1.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
4 1	15 7.41	− 9 33.8	2.167	3.031	11.3	21.1
4 11	15 3.02	− 8 23.9	2.096	3.029	8.3	20.9
4 21	14 57.02	− 7 10.4	2.049	3.028	5.2	20.7
5 1	14 50.02	− 5 58.2	2.029	3.027	3.3	20.6
5 11	14 42.81	− 4 52.7	2.038	3.026	4.9	20.7
5 21	14 36.14	− 3 58.9	2.075	3.025	8.0	20.9
5 31	14 30.70	− 3 19.9	2.136	3.024	11.1	21.0
6 10	14 26.96	− 2 57.3	2.218	3.023	13.7	21.2

111456 2001 XJ_{254} 5 4.6 152°.29 0°.7/ 5.2 18

4 1	15 13.54	−19 47.2	2.167	3.003	12.3	20.4
4 11	15 7.57	−19 33.6	2.093	3.011	9.2	20.2
4 21	14 59.74	−19 10.5	2.043	3.018	5.6	20.0
5 1	14 50.76	−18 39.6	2.020	3.025	1.8	19.8
5 11	14 41.53	−18 4.0	2.026	3.031	2.4	19.8
5 21	14 32.95	−17 27.4	2.061	3.037	6.2	20.1
5 31	14 25.80	−16 54.2	2.122	3.042	9.7	20.3
6 10	14 20.63	−16 28.1	2.207	3.046	12.6	20.5

87166 2000 NL_{28} 5 4.6 268°.46 5°.5/ 8.7 18

4 1	15 13.34	−32 49.5	1.935	2.733	15.0	19.5
4 11	15 8.15	−32 51.9	1.833	2.714	12.3	19.2
4 21	15 0.46	−32 33.8	1.752	2.694	9.2	19.0
5 1	14 51.02	−31 53.2	1.696	2.675	6.4	18.8
5 11	14 40.96	−30 51.3	1.665	2.654	5.6	18.7
5 21	14 31.49	−29 32.9	1.662	2.634	7.7	18.8
5 31	14 23.73	−28 5.7	1.684	2.613	11.1	18.9
6 10	14 18.45	−26 38.6	1.728	2.592	14.5	19.1

506845 2007 TJ_{430} 5 4.6 130°.56 5°.2/29.9 18

4 1	15 10.74	+ 2 8.3	2.742	3.585	9.8	21.7
4 11	15 5.02	+ 2 45.7	2.688	3.599	7.7	21.6
4 21	14 58.02	+ 3 17.2	2.659	3.612	5.9	21.5
5 1	14 50.27	+ 3 39.3	2.659	3.625	5.2	21.5
5 11	14 42.44	+ 3 49.2	2.686	3.638	6.2	21.5
5 21	14 35.12	+ 3 45.5	2.741	3.650	8.1	21.7
5 31	14 28.87	+ 3 28.0	2.821	3.661	10.1	21.8
6 10	14 24.07	+ 2 57.5	2.923	3.672	12.0	22.0

192889 1999 XA_{115} 5 4.6 171°.35 3°.8/ 8.6 18

4 1	15 13.37	−32 16.7	2.895	3.671	11.1	21.0
4 11	15 7.19	−32 10.2	2.807	3.676	8.9	20.9
4 21	14 59.42	−31 49.4	2.743	3.680	6.6	20.7
5 1	14 50.67	−31 14.1	2.707	3.683	4.5	20.6
5 11	14 41.72	−30 25.8	2.699	3.686	3.9	20.5
5 21	14 33.30	−29 28.0	2.721	3.688	5.4	20.6
5 31	14 26.11	−28 25.3	2.771	3.689	7.7	20.8
6 10	14 20.61	−27 22.6	2.846	3.689	10.0	21.0

261053 2005 SM_{177} 5 4.6 15°.11 3°.3/ 7.1 16

4 1	15 11.40	−26 28.5	2.288	3.105	12.4	21.0
4 11	15 6.13	−26 46.1	2.206	3.105	9.7	20.8
4 21	14 58.97	−26 51.5	2.147	3.106	6.7	20.6
5 1	14 50.58	−26 44.4	2.115	3.106	4.0	20.5
5 11	14 41.84	−26 26.1	2.110	3.107	3.6	20.4
5 21	14 33.65	−25 59.4	2.132	3.108	6.0	20.6
5 31	14 26.80	−25 28.8	2.182	3.108	9.1	20.8
6 10	14 21.89	−24 58.9	2.254	3.109	11.9	20.9

264434 2000 SH_{164} 5 4.6 234°.17 7°.0/27.7 18

4 1	15 10.00	+ 1 35.7	2.172	3.027	11.6	20.8
4 11	15 4.98	+ 3 11.2	2.098	3.014	9.2	20.6
4 21	14 58.24	+ 4 43.2	2.049	3.001	7.4	20.5
5 1	14 50.39	+ 6 4.7	2.028	2.988	7.1	20.4
5 11	14 42.22	+ 7 9.2	2.034	2.974	8.6	20.5
5 21	14 34.56	+ 7 52.6	2.065	2.960	11.0	20.6
5 31	14 28.12	+ 8 13.0	2.119	2.945	13.5	20.8
6 10	14 23.45	+ 8 11.0	2.193	2.929	15.8	20.9

488671 2003 UK_{168} 5 4.6 221°.24 0°.5/ 5.1 17

4 1	15 11.18	−20 2.9	2.649	3.479	10.5	22.4
4 11	15 5.68	−19 37.4	2.552	3.468	7.9	22.2
4 21	14 58.60	−19 2.9	2.481	3.456	4.8	22.0
5 1	14 50.48	−18 21.1	2.439	3.443	1.5	21.7
5 11	14 42.06	−17 34.7	2.426	3.430	2.1	21.7
5 21	14 34.06	−16 47.3	2.442	3.416	5.5	22.0
5 31	14 27.16	−16 3.0	2.486	3.402	8.6	22.1
6 10	14 21.87	−15 25.3	2.555	3.386	11.4	22.3

291573 2006 FL_{35} 5 4.6 357°.55 3°.1/ 3.1 17

4 1	15 7.93	−12 6.9	1.014	1.910	18.3	19.6
4 11	15 4.96	−11 32.9	0.955	1.906	13.5	19.3
4 21	14 58.85	−10 51.5	0.915	1.902	8.1	19.0
5 1	14 50.62	−10 9.0	0.896	1.900	3.4	18.7
5 11	14 41.85	− 9 33.1	0.899	1.900	5.9	18.8
5 21	14 34.11	− 9 10.8	0.923	1.901	11.4	19.1
5 31	14 28.77	− 9 7.1	0.967	1.903	16.5	19.4
6 10	14 26.61	− 9 23.3	1.028	1.907	20.9	19.7

369772 2012 GD_{21} 5 4.6 138°.73 5°.9/30.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
4 1	15 11.04	− 3 39.4	1.754	2.621	13.3	20.5
4 11	15 5.94	− 2 20.7	1.695	2.626	10.1	20.3
4 21	14 58.85	− 1 3.6	1.660	2.631	7.1	20.1
5 1	14 50.55	+ 0 5.0	1.651	2.635	5.9	20.1
5 11	14 42.03	+ 0 58.3	1.668	2.639	7.6	20.2
5 21	14 34.25	+ 1 32.1	1.711	2.643	10.7	20.3
5 31	14 28.04	+ 1 44.2	1.776	2.646	13.8	20.6
6 10	14 23.93	+ 1 35.5	1.861	2.650	16.6	20.8

272901 2006 BY_{149} 5 4.6 105°.48 0°.4/ 4.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 15.58	−14 52.7	1.965	2.812	13.0	20.8
4 11	15 9.15	−14 57.4	1.901	2.826	9.5	20.6
4 21	15 0.71	−14 57.0	1.862	2.841	5.6	20.4
5 1	14 51.05	−14 52.9	1.849	2.855	1.5	20.1
5 11	14 41.17	−14 47.5	1.865	2.869	2.8	20.2
5 21	14 32.04	−14 43.6	1.909	2.882	6.8	20.5
5 31	14 24.49	−14 44.0	1.980	2.895	10.4	20.8
6 10	14 19.09	−14 51.2	2.072	2.908	13.5	21.0

38262 1999 RB_{20} 5 4.6 212°.62 1°.5/ 6.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 9.37	−22 54.9	2.834	3.656	10.1	20.4
4 11	15 4.28	−22 42.7	2.742	3.650	7.7	20.3
4 21	14 57.73	−22 21.3	2.676	3.644	4.9	20.1
5 1	14 50.26	−21 51.5	2.637	3.638	2.2	19.9
5 11	14 42.53	−21 15.5	2.628	3.631	2.2	19.8
5 21	14 35.21	−20 36.4	2.648	3.624	4.9	20.0
5 31	14 28.92	−19 57.6	2.696	3.617	7.8	20.2
6 10	14 24.13	−19 22.6	2.768	3.609	10.3	20.4

112414 2002 NV_{42} 5 4.6 309°.26 0°.5/ 4.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 12.78	−17 54.6	1.400	2.265	16.2	19.8
4 11	15 8.15	−17 56.5	1.319	2.252	12.2	19.5
4 21	15 0.66	−17 48.0	1.258	2.239	7.4	19.2
5 1	14 51.14	−17 30.5	1.222	2.227	2.2	18.8
5 11	14 40.92	−17 7.4	1.210	2.215	3.4	18.9
5 21	14 31.40	−16 43.7	1.223	2.204	8.8	19.1
5 31	14 23.88	−16 24.9	1.259	2.193	13.7	19.4
6 10	14 19.23	−16 16.1	1.315	2.182	17.9	19.6

350712 2001 XN_{80} 5 4.6 42°.56 12°.5/28.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 15.84	+20 1.9	1.870	2.671	15.3	19.4
4 11	15 9.12	+20 39.7	1.843	2.691	13.8	19.4
4 21	15 0.52	+20 53.7	1.836	2.711	12.7	19.3
5 1	14 50.95	+20 38.8	1.852	2.732	12.5	19.4
5 11	14 41.47	+19 53.0	1.890	2.753	13.2	19.5
5 21	14 33.00	+18 38.4	1.950	2.775	14.5	19.6
5 31	14 26.28	+16 59.5	2.031	2.796	16.0	19.7
6 10	14 21.73	+15 2.4	2.130	2.818	17.5	19.9

204185 2004 BX_{55} 5 4.6 94°.08 1°.7/ 3.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 10.28	−12 45.4	2.093	2.949	11.9	20.5
4 11	15 5.17	−12 14.4	2.027	2.958	8.7	20.3
4 21	14 58.32	−11 39.0	1.985	2.966	5.1	20.1
5 1	14 50.41	−11 2.4	1.970	2.974	1.9	19.9
5 11	14 42.31	−10 28.4	1.983	2.982	3.5	20.0
5 21	14 34.84	−10 0.7	2.024	2.990	7.0	20.2
5 31	14 28.72	− 9 42.4	2.090	2.998	10.3	20.4
6 10	14 24.46	− 9 35.3	2.178	3.006	13.2	20.6

263205 2008 AQ_{14} 5 4.6 350°.92 1°.1/ 3.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 8.82	−14 49.5	2.159	3.013	11.7	21.1
4 11	15 4.14	−14 19.5	2.083	3.013	8.5	20.9
4 21	14 57.75	−13 43.4	2.031	3.012	5.0	20.7
5 1	14 50.27	−13 3.9	2.006	3.012	1.5	20.4
5 11	14 42.54	−12 24.9	2.010	3.011	3.0	20.5
5 21	14 35.36	−11 50.2	2.041	3.011	6.7	20.7
5 31	14 29.45	−11 23.6	2.097	3.011	10.0	21.0
6 10	14 25.34	−11 7.4	2.176	3.011	13.0	21.1

252889 2002 JM_{84} 5 4.6 17°.74 0°.0/ 4.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 7.00	−18 28.1	1.766	2.626	13.6	19.9
4 11	15 3.09	−17 55.7	1.701	2.633	10.0	19.7
4 21	14 57.21	−17 12.8	1.660	2.641	5.9	19.5
5 1	14 50.13	−16 22.8	1.644	2.650	1.6	19.2
5 11	14 42.82	−15 30.6	1.655	2.660	2.8	19.3
5 21	14 36.24	−14 41.3	1.692	2.670	7.0	19.6
5 31	14 31.18	−14 0.1	1.753	2.681	10.8	19.8
6 10	14 28.18	−13 30.5	1.837	2.693	14.1	20.1

365065 2008 YQ_{101} 5 4.6 10°.62 6°.6/ 1.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 8.39	− 5 50.3	0.998	1.897	18.2	20.1
4 11	15 5.14	− 4 52.3	0.949	1.899	13.7	19.9
4 21	14 58.84	− 3 55.7	0.920	1.902	9.1	19.6
5 1	14 50.61	− 3 9.5	0.911	1.907	6.6	19.5
5 11	14 42.01	− 2 42.5	0.924	1.913	8.8	19.6
5 21	14 34.55	− 2 39.7	0.958	1.921	13.2	19.9
5 31	14 29.46	− 3 2.4	1.011	1.929	17.7	20.2
6 10	14 27.43	− 3 48.4	1.080	1.939	21.5	20.5

438173 2005 TU_{38} 5 4.6 275°.74 0°.1/ 4.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
4 1	15 9.64	−18 13.4	2.412	3.254	11.0	21.8
4 11	15 4.78	−17 51.3	2.309	3.231	8.2	21.5
4 21	14 58.19	−17 20.9	2.230	3.208	5.0	21.3
5 1	14 50.42	−16 43.9	2.179	3.184	1.4	21.0
5 11	14 42.23	−16 3.2	2.156	3.161	2.4	21.0
5 21	14 34.41	−15 22.5	2.162	3.136	6.0	21.2
5 31	14 27.70	−14 45.9	2.195	3.112	9.5	21.4
6 10	14 22.70	−14 17.0	2.251	3.087	12.5	21.6

97300 1999 XM_{183} 5 4.6 129°.45 2°.9/ 7.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 14.06	−26 29.8	2.427	3.236	12.0	20.3
4 11	15 7.85	−26 34.2	2.355	3.251	9.3	20.1
4 21	14 59.89	−26 26.3	2.307	3.265	6.3	20.0
5 1	14 50.85	−26 6.1	2.286	3.279	3.6	19.8
5 11	14 41.61	−25 35.7	2.294	3.292	3.2	19.8
5 21	14 33.00	−24 58.3	2.331	3.305	5.7	20.0
5 31	14 25.78	−24 18.6	2.395	3.317	8.6	20.2
6 10	14 20.45	−23 41.0	2.483	3.329	11.2	20.4

77416 2001 FP_{178} 5 4.6 320°.50 10°.5/29.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 11.24	+ 4 1.3	1.252	2.129	16.9	18.6
4 11	15 7.15	+ 5 3.2	1.177	2.104	13.8	18.4
4 21	15 0.14	+ 5 54.5	1.122	2.081	11.3	18.1
5 1	14 51.04	+ 6 24.8	1.089	2.058	10.5	18.0
5 11	14 41.17	+ 6 25.6	1.077	2.036	12.3	18.0
5 21	14 31.97	+ 5 53.0	1.087	2.015	15.7	18.2
5 31	14 24.78	+ 4 47.4	1.116	1.995	19.5	18.3
6 10	14 20.49	+ 3 13.3	1.161	1.976	23.1	18.5

315990 2009 DZ_{50} 5 4.6 139°.83 1°.9/ 5.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 17.56	−22 36.2	1.904	2.732	14.1	22.2
4 11	15 10.78	−22 33.3	1.835	2.746	10.7	22.0
4 21	15 1.77	−22 17.8	1.789	2.759	6.8	21.8
5 1	14 51.39	−21 50.6	1.770	2.772	2.9	21.6
5 11	14 40.76	−21 14.5	1.780	2.783	2.9	21.6
5 21	14 30.96	−20 34.1	1.817	2.794	6.8	21.8
5 31	14 22.93	−19 54.9	1.881	2.804	10.5	22.1
6 10	14 17.25	−19 21.8	1.968	2.813	13.7	22.3

32038 Kwiecinski 5 4.6 278°.61 1°.5/ 5.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 14.44	−20 43.7	1.458	2.311	16.3	18.8
4 11	15 9.49	−20 39.0	1.364	2.290	12.4	18.5
4 21	15 1.58	−20 20.4	1.291	2.268	7.8	18.2
5 1	14 51.47	−19 48.1	1.242	2.246	2.9	17.8
5 11	14 40.47	−19 5.5	1.219	2.224	3.5	17.8
5 21	14 30.04	−18 18.4	1.221	2.202	8.8	18.0
5 31	14 21.58	−17 34.3	1.247	2.179	13.9	18.3
6 10	14 16.06	−17 0.0	1.292	2.156	18.3	18.5

430787 2004 TL_{263} 5 4.6 185°.95 1°.0/ 5.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 12.72	−20 43.2	2.344	3.176	11.7	22.6
4 11	15 6.96	−20 31.1	2.261	3.175	8.8	22.4
4 21	14 59.44	−20 9.5	2.202	3.175	5.4	22.2
5 1	14 50.78	−19 39.7	2.170	3.174	2.0	21.9
5 11	14 41.83	−19 4.3	2.168	3.172	2.3	21.9
5 21	14 33.41	−18 26.9	2.194	3.170	5.8	22.2
5 31	14 26.30	−17 51.7	2.247	3.167	9.2	22.4
6 10	14 21.02	−17 22.4	2.324	3.164	12.1	22.6

377718 2005 WE_{120} 5 4.6 135°.49 6°.9/ 1.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 18.03	+ 3 7.2	1.812	2.659	13.9	20.4
4 11	15 11.09	+ 3 18.0	1.747	2.661	11.0	20.2
4 21	15 1.95	+ 3 18.4	1.706	2.663	8.3	20.1
5 1	14 51.46	+ 3 3.9	1.690	2.664	7.0	20.0
5 11	14 40.68	+ 2 31.6	1.702	2.666	8.1	20.1
5 21	14 30.69	+ 1 41.2	1.740	2.668	10.8	20.2
5 31	14 22.39	+ 0 34.2	1.803	2.670	13.8	20.4
6 10	14 16.39	− 0 46.5	1.887	2.671	16.5	20.6

212635 2006 TJ_{106} 5 4.6 170°.54 1°.1/ 5.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 10.16	−20 53.6	2.368	3.203	11.4	21.0
4 11	15 5.07	−20 42.1	2.288	3.204	8.6	20.8
4 21	14 58.30	−20 21.4	2.231	3.205	5.3	20.6
5 1	14 50.47	−19 52.6	2.202	3.206	2.0	20.4
5 11	14 42.38	−19 18.6	2.202	3.207	2.3	20.4
5 21	14 34.81	−18 42.7	2.230	3.207	5.7	20.6
5 31	14 28.48	−18 8.9	2.284	3.207	8.9	20.8
6 10	14 23.90	−17 40.8	2.363	3.208	11.7	21.0

10515 Old Joe 5 4.6 120°.91 0°.8/ 4.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 14.99	−14 58.4	2.112	2.957	12.3	18.6
4 11	15 8.55	−14 39.5	2.051	2.976	9.0	18.4
4 21	15 0.30	−14 14.8	2.015	2.994	5.3	18.2
5 1	14 50.99	−13 46.7	2.006	3.012	1.5	18.0
5 11	14 41.54	−13 18.6	2.027	3.029	2.9	18.1
5 21	14 32.84	−12 54.0	2.076	3.046	6.6	18.4
5 31	14 25.62	−12 36.1	2.151	3.061	10.0	18.6
6 10	14 20.39	−12 27.2	2.250	3.077	12.9	18.9

291277 2006 BJ_{100} 5 4.6 156.°77 14.°3/11.6 18 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
4 1	15 30.11	−44 33.7	1.396	2.139	22.3	20.8
4 11	15 22.53	−46 32.9	1.329	2.145	19.8	20.7
4 21	15 10.08	−48 3.1	1.278	2.151	17.2	20.5
5 1	14 53.89	−48 52.0	1.246	2.156	15.2	20.4
5 11	14 36.28	−48 53.1	1.236	2.161	14.3	20.3
5 21	14 19.96	−48 8.5	1.247	2.164	15.0	20.4
5 31	14 7.30	−46 49.6	1.279	2.167	16.9	20.5
6 10	13 59.52	−45 13.1	1.329	2.169	19.3	20.7

461354 1999 UO_{28} 5 4.6 262.°45 0.°9/ 4.1 17

4 1	15 13.45	−15 57.7	1.706	2.562	14.2	21.8
4 11	15 8.23	−15 28.4	1.613	2.543	10.6	21.5
4 21	15 0.55	−14 49.3	1.543	2.524	6.3	21.2
5 1	14 51.15	−14 3.4	1.499	2.505	1.8	20.9
5 11	14 41.13	−13 15.4	1.482	2.485	3.6	21.0
5 21	14 31.66	−12 30.8	1.492	2.465	8.3	21.2
5 31	14 23.83	−11 55.2	1.526	2.444	12.8	21.4
6 10	14 18.43	−11 32.9	1.581	2.423	16.7	21.6

371007 2005 TM_{160} 5 4.6 223.°91 0.°3/ 4.9 17

4 1	15 12.92	−19 22.4	2.300	3.135	11.7	23.5
4 11	15 7.21	−18 54.0	2.205	3.123	8.8	23.3
4 21	14 59.65	−18 15.6	2.134	3.111	5.3	23.0
5 1	14 50.86	−17 29.1	2.092	3.097	1.6	22.8
5 11	14 41.69	−16 38.0	2.079	3.083	2.4	22.8
5 21	14 33.01	−15 46.6	2.094	3.068	6.2	23.0
5 31	14 25.60	−14 59.6	2.137	3.052	9.8	23.2
6 10	14 20.06	−14 20.9	2.203	3.036	12.9	23.4

332570 2008 SN_{12} 5 4.6 292.°18 1.°7/ 5.8 17

4 1	15 11.95	−22 16.8	1.770	2.613	14.3	21.2
4 11	15 7.26	−22 4.0	1.664	2.583	11.0	21.0
4 21	15 0.07	−21 36.9	1.579	2.553	7.1	20.6
5 1	14 51.05	−20 55.9	1.520	2.523	2.9	20.3
5 11	14 41.26	−20 4.2	1.488	2.492	3.1	20.3
5 21	14 31.89	−19 6.9	1.482	2.461	7.6	20.5
5 31	14 24.08	−18 10.9	1.500	2.430	12.1	20.6
6 10	14 18.70	−17 22.7	1.541	2.399	16.2	20.8

294147 2007 TL_{317} 5 4.6 14.°08 3.°8/ 2.4 17

4 1	15 7.77	−12 14.0	1.095	1.987	17.5	19.8
4 11	15 4.54	−11 5.5	1.041	1.990	12.9	19.5
4 21	14 58.45	− 9 48.3	1.008	1.995	7.8	19.3
5 1	14 50.55	− 8 30.7	0.997	2.000	3.9	19.1
5 11	14 42.32	− 7 22.6	1.009	2.007	6.4	19.2
5 21	14 35.16	− 6 32.1	1.044	2.014	11.3	19.5
5 31	14 30.24	− 6 4.6	1.098	2.023	16.0	19.8
6 10	14 28.19	− 6 1.1	1.170	2.033	20.0	20.1

281688 2008 WD_{36} 5 4.6 273.°49 0.°0/ 4.4 18

4 1	15 10.58	−18 6.0	1.932	2.782	13.0	20.8
4 11	15 5.75	−17 42.0	1.848	2.775	9.7	20.6
4 21	14 58.88	−17 8.3	1.788	2.767	5.8	20.3
5 1	14 50.66	−16 27.2	1.754	2.759	1.6	20.0
5 11	14 42.06	−15 42.7	1.747	2.752	2.8	20.1
5 21	14 34.04	−14 59.4	1.768	2.744	7.0	20.3
5 31	14 27.48	−14 22.3	1.814	2.736	10.9	20.6
6 10	14 23.00	−13 55.2	1.882	2.728	14.2	20.8

100386 1995 WZ_{2} 5 4.6 197.°79 0.°7/ 4.1 17

4 1	15 14.66	−15 29.4	2.089	2.934	12.4	20.9
4 11	15 8.56	−15 8.6	2.006	2.930	9.2	20.7
4 21	15 0.47	−14 40.8	1.947	2.927	5.4	20.4
5 1	14 51.08	−14 8.5	1.916	2.922	1.5	20.1
5 11	14 41.34	−13 35.0	1.914	2.917	3.0	20.2
5 21	14 32.18	−13 4.4	1.940	2.910	6.9	20.5
5 31	14 24.46	−12 40.5	1.992	2.904	10.6	20.7
6 10	14 18.77	−12 26.2	2.067	2.896	13.8	20.9

137448 1999 TS_{257} 5 4.6 304.°20 4.°0/ 2.1 17

4 1	15 10.04	−11 20.9	1.349	2.229	15.7	19.9
4 11	15 6.32	−10 15.2	1.253	2.195	11.8	19.6
4 21	14 59.74	− 8 58.4	1.178	2.162	7.4	19.3
5 1	14 51.01	− 7 36.9	1.127	2.128	4.1	19.0
5 11	14 41.33	− 6 19.5	1.100	2.095	6.6	19.0
5 21	14 32.11	− 5 15.4	1.097	2.062	11.7	19.2
5 31	14 24.73	− 4 32.4	1.116	2.029	16.8	19.4
6 10	14 20.17	− 4 14.6	1.152	1.997	21.4	19.6

303762 2005 QQ_{148} 5 4.6 193.°19 7.°5/23.9 18

4 1	15 8.05	+15 42.8	3.395	4.197	9.1	21.8
4 11	15 3.01	+16 52.1	3.343	4.195	8.1	21.7
4 21	14 56.88	+17 50.7	3.315	4.191	7.6	21.7
5 1	14 50.08	+18 34.4	3.313	4.187	7.7	21.7
5 11	14 43.14	+19 0.5	3.337	4.183	8.5	21.7
5 21	14 36.56	+19 8.0	3.384	4.178	9.6	21.8
5 31	14 30.82	+18 56.9	3.454	4.172	10.8	21.9
6 10	14 26.26	+18 28.9	3.541	4.166	12.0	22.0

204821 2007 PJ_{10} 5 4.6 310.°81 1.°9/ 5.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
4 1	15 11.51	−21 16.4	1.226	2.093	17.8	20.2
4 11	15 7.70	−21 16.9	1.141	2.074	13.7	19.9
4 21	15 0.67	−21 1.4	1.077	2.056	8.7	19.5
5 1	14 51.27	−20 30.1	1.034	2.038	3.4	19.1
5 11	14 40.94	−19 46.7	1.015	2.021	3.8	19.1
5 21	14 31.32	−18 58.1	1.019	2.004	9.5	19.4
5 31	14 23.94	−18 12.5	1.045	1.988	14.9	19.6
6 10	14 19.81	−17 38.0	1.089	1.972	19.7	19.9

207231 2005 EM_{155} 5 4.6 292.°71 1.°2/ 3.7 17

4 1	15 9.60	−14 49.4	1.990	2.847	12.4	20.3
4 11	15 4.91	−14 16.5	1.911	2.842	9.1	20.1
4 21	14 58.32	−13 36.6	1.855	2.837	5.4	19.8
5 1	14 50.51	−12 52.8	1.826	2.832	1.7	19.6
5 11	14 42.37	−12 9.5	1.825	2.827	3.3	19.7
5 21	14 34.81	−11 31.1	1.851	2.822	7.2	19.9
5 31	14 28.63	−11 1.7	1.903	2.817	10.8	20.1
6 10	14 24.40	−10 44.0	1.976	2.813	14.0	20.3

188479 2004 NN_{24} 5 4.6 310.°85 7.°3/30.9 18

4 1	15 13.89	+ 0 33.9	1.517	2.383	15.0	19.8
4 11	15 8.60	+ 1 4.5	1.442	2.369	11.8	19.6
4 21	15 0.78	+ 1 27.1	1.388	2.355	8.8	19.4
5 1	14 51.22	+ 1 35.4	1.359	2.341	7.3	19.2
5 11	14 41.11	+ 1 24.2	1.355	2.327	8.8	19.3
5 21	14 31.67	+ 0 51.2	1.375	2.314	12.2	19.4
5 31	14 24.02	− 0 3.5	1.417	2.301	15.8	19.6
6 10	14 18.92	− 1 17.1	1.478	2.289	19.1	19.8

308102 2004 VG_{60} 5 4.6 124.°05 2.°4/ 6.3 18

4 1	15 15.60	−24 42.9	1.652	2.486	15.6	21.1
4 11	15 9.62	−24 22.1	1.586	2.499	11.9	20.9
4 21	15 1.20	−23 44.5	1.541	2.511	7.7	20.7
5 1	14 51.28	−22 51.3	1.522	2.522	3.5	20.5
5 11	14 41.11	−21 47.2	1.530	2.533	3.3	20.5
5 21	14 31.91	−20 38.8	1.564	2.544	7.3	20.7
5 31	14 24.67	−19 33.7	1.624	2.554	11.4	21.0
6 10	14 19.99	−18 38.0	1.706	2.563	14.9	21.2

300110 2006 UX_{321} 5 4.6 163.°77 6.°4/27.8 18

4 1	15 9.63	+ 8 5.0	3.026	3.855	9.4	21.5
4 11	15 4.20	+ 8 54.8	2.970	3.861	7.8	21.4
4 21	14 57.59	+ 9 36.2	2.940	3.866	6.6	21.3
5 1	14 50.27	+10 5.5	2.937	3.871	6.4	21.3
5 11	14 42.84	+10 19.9	2.961	3.875	7.3	21.3
5 21	14 35.86	+10 18.0	3.012	3.879	8.8	21.4
5 31	14 29.81	+10 0.1	3.087	3.882	10.4	21.6
6 10	14 25.09	+ 9 27.3	3.182	3.885	12.0	21.7

499342 2009 WS_{217} 5 4.6 187.°43 1.°0/ 5.5 17

4 1	15 12.81	−21 25.4	2.336	3.166	11.8	22.8
4 11	15 7.04	−21 4.5	2.252	3.165	8.9	22.6
4 21	14 59.50	−20 33.1	2.192	3.164	5.5	22.4
5 1	14 50.82	−19 52.6	2.159	3.162	2.0	22.1
5 11	14 41.87	−19 6.2	2.156	3.160	2.3	22.1
5 21	14 33.47	−18 17.8	2.181	3.157	5.9	22.4
5 31	14 26.38	−17 32.1	2.234	3.154	9.2	22.6
6 10	14 21.14	−16 53.2	2.310	3.149	12.2	22.7

96872 1999 TC_{2} 5 4.6 237.°93 4.°8/ 1.0 18

4 1	15 12.85	− 2 24.1	2.262	3.113	11.3	19.4
4 11	15 7.09	− 1 48.8	2.178	3.100	8.7	19.2
4 21	14 59.56	− 1 16.4	2.118	3.086	6.1	19.1
5 1	14 50.86	− 0 51.0	2.087	3.072	4.8	18.9
5 11	14 41.80	− 0 36.5	2.083	3.057	6.1	19.0
5 21	14 33.20	− 0 35.5	2.107	3.041	8.8	19.1
5 31	14 25.82	− 0 49.4	2.156	3.026	11.7	19.3
6 10	14 20.23	− 1 18.0	2.227	3.009	14.4	19.4

336379 2008 UO_{63} 5 4.6 257.°95 0.°8/ 5.3 17

4 1	15 10.42	−20 55.5	1.933	2.778	13.2	21.1
4 11	15 5.60	−20 27.2	1.854	2.776	9.9	20.9
4 21	14 58.76	−19 46.7	1.799	2.775	6.1	20.7
5 1	14 50.64	−18 56.2	1.769	2.774	2.0	20.4
5 11	14 42.21	−18 0.0	1.767	2.772	2.6	20.4
5 21	14 34.42	−17 3.2	1.793	2.771	6.7	20.7
5 31	14 28.13	−16 11.4	1.844	2.769	10.5	20.9
6 10	14 23.93	−15 29.2	1.917	2.768	13.8	21.1

94137 2000 YN_{125} 5 4.6 81.°53 6.°3/ 8.8 18

4 1	15 16.63	−32 55.8	1.898	2.691	15.5	19.3
4 11	15 10.48	−33 41.6	1.828	2.702	12.6	19.1
4 21	15 1.81	−34 9.1	1.779	2.714	9.6	19.0
5 1	14 51.49	−34 15.4	1.755	2.725	7.1	18.8
5 11	14 40.75	−34 0.8	1.757	2.737	6.4	18.8
5 21	14 30.81	−33 28.8	1.785	2.748	8.1	18.9
5 31	14 22.78	−32 45.6	1.838	2.759	10.8	19.1
6 10	14 17.33	−31 58.7	1.913	2.771	13.6	19.3

35801 1999 JB_{38} 5 4.7 343°.38 2°.9/ 6.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
4 1	15 15.31	−22 47.9	1.419	2.268	16.9	18.3
4 11	15 10.00	−23 5.7	1.346	2.267	13.0	18.1
4 21	15 1.75	−23 9.2	1.293	2.266	8.4	17.8
5 1	14 51.52	−22 57.6	1.265	2.265	4.0	17.5
5 11	14 40.69	−22 33.4	1.261	2.265	3.9	17.5
5 21	14 30.74	−22 1.4	1.283	2.264	8.4	17.8
5 31	14 22.95	−21 28.5	1.328	2.264	12.9	18.1
6 10	14 18.12	−21 1.3	1.394	2.264	16.9	18.3

325008 2008 BX_{44} 5 4.7 100°.02 1°.1/ 4.1 18

4 1	15 15.70	−13 51.6	1.584	2.443	14.9	20.6
4 11	15 9.74	−13 48.5	1.519	2.450	11.0	20.3
4 21	15 1.33	−13 40.0	1.476	2.457	6.5	20.1
5 1	14 51.35	−13 28.3	1.459	2.464	1.9	19.8
5 11	14 41.03	−13 16.9	1.468	2.471	3.6	19.9
5 21	14 31.57	−13 9.4	1.504	2.478	8.2	20.2
5 31	14 23.99	−13 9.3	1.564	2.485	12.4	20.5
6 10	14 18.96	−13 19.1	1.645	2.491	16.0	20.7

386282 2008 RO_{2} 5 4.7 116°.18 6°.3/ 9.1 17

4 1	15 16.47	−34 4.5	2.050	2.833	14.8	21.1
4 11	15 10.25	−34 44.6	1.975	2.842	12.2	21.0
4 21	15 1.64	−35 6.6	1.922	2.850	9.4	20.8
5 1	14 51.45	−35 7.8	1.893	2.859	7.1	20.7
5 11	14 40.83	−34 48.5	1.890	2.867	6.4	20.7
5 21	14 30.96	−34 11.9	1.914	2.875	7.8	20.8
5 31	14 22.87	−33 24.1	1.964	2.882	10.4	20.9
6 10	14 17.23	−32 32.2	2.036	2.890	13.0	21.1

299881 2006 SQ_{319} 5 4.7 256°.76 1°.8/ 3.2 16

4 1	15 9.73	−12 11.8	2.316	3.169	11.0	21.6
4 11	15 4.81	−11 41.3	2.228	3.157	8.1	21.4
4 21	14 58.21	−11 6.6	2.165	3.145	4.8	21.2
5 1	14 50.50	−10 30.4	2.129	3.133	2.0	21.0
5 11	14 42.47	− 9 56.5	2.122	3.120	3.5	21.0
5 21	14 34.87	− 9 28.3	2.143	3.107	6.8	21.2
5 31	14 28.44	− 9 9.0	2.190	3.094	10.1	21.4
6 10	14 23.71	− 9 0.6	2.259	3.081	13.0	21.6

19696 1999 SW_{1} 5 4.7 176°.35 3°.1/ 8.1 18

4 1	15 9.75	−30 8.7	2.792	3.586	11.0	18.5
4 11	15 4.62	−29 46.9	2.704	3.587	8.7	18.3
4 21	14 57.98	−29 11.1	2.640	3.588	6.2	18.2
5 1	14 50.42	−28 21.9	2.603	3.589	3.9	18.0
5 11	14 42.67	−27 21.6	2.595	3.590	3.3	18.0
5 21	14 35.43	−26 14.0	2.616	3.590	5.1	18.1
5 31	14 29.34	−25 4.1	2.665	3.590	7.7	18.3
6 10	14 24.86	−23 56.7	2.739	3.589	10.1	18.4

125306 2001 VV_{30} 5 4.7 251°.23 1°.3/ 5.5 18

4 1	15 12.80	−20 50.4	1.827	2.671	13.9	19.9
4 11	15 7.58	−20 42.5	1.743	2.664	10.5	19.7
4 21	15 0.08	−20 23.1	1.681	2.656	6.6	19.4
5 1	14 51.06	−19 53.1	1.645	2.648	2.4	19.2
5 11	14 41.56	−19 15.7	1.636	2.641	2.8	19.2
5 21	14 32.69	−18 35.5	1.654	2.633	7.1	19.4
5 31	14 25.44	−17 58.0	1.697	2.625	11.1	19.6
6 10	14 20.48	−17 28.1	1.762	2.616	14.7	19.8

501664 2014 SK_{339} 5 4.7 288°.24 3°.1/ 2.9 17

4 1	15 13.60	−11 33.2	1.388	2.260	15.8	21.4
4 11	15 8.92	−10 56.3	1.295	2.233	11.9	21.1
4 21	15 1.30	−10 12.2	1.223	2.206	7.3	20.8
5 1	14 51.49	− 9 25.3	1.175	2.179	3.3	20.5
5 11	14 40.74	− 8 42.2	1.153	2.151	5.6	20.5
5 21	14 30.51	− 8 9.6	1.155	2.124	10.8	20.7
5 31	14 22.16	− 7 53.1	1.179	2.096	15.8	20.9
6 10	14 16.70	− 7 56.0	1.221	2.068	20.3	21.1

411381 2010 VK_{65} 5 4.7 58°.04 6°.4/29.2 18

4 1	15 15.63	− 8 6.5	1.440	2.308	15.6	20.1
4 11	15 9.07	− 5 13.9	1.420	2.354	11.4	19.9
4 21	15 0.51	− 2 23.3	1.425	2.399	7.7	19.8
5 1	14 51.04	+ 0 12.3	1.459	2.444	6.5	19.9
5 11	14 41.89	+ 2 21.8	1.521	2.488	8.6	20.1
5 21	14 34.04	+ 3 59.3	1.609	2.532	11.8	20.4
5 31	14 28.20	+ 5 3.3	1.720	2.575	14.9	20.7
6 10	14 24.72	+ 5 36.8	1.849	2.618	17.3	20.9

99805 2002 LY_{16} 5 4.7 327°.60 1°.4/ 3.9 18

4 1	15 11.34	−14 5.9	1.247	2.125	16.8	19.1
4 11	15 7.30	−13 55.2	1.171	2.112	12.5	18.8
4 21	15 0.30	−13 36.9	1.115	2.100	7.5	18.5
5 1	14 51.18	−13 14.3	1.083	2.088	2.2	18.1
5 11	14 41.35	−12 52.2	1.074	2.078	4.3	18.2
5 21	14 32.29	−12 36.2	1.089	2.068	9.9	18.5
5 31	14 25.35	−12 31.1	1.125	2.058	15.0	18.8
6 10	14 21.41	−12 40.3	1.180	2.050	19.4	19.0

42955 1999 TK_{121} 5 4.7 280°.42 1°.8/ 3.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
4 1	15 12.98	−14 8.1	1.589	2.453	14.7	19.8
4 11	15 8.11	−13 32.6	1.494	2.428	10.9	19.5
4 21	15 0.64	−12 47.9	1.421	2.403	6.6	19.2
5 1	14 51.28	−11 57.6	1.373	2.378	2.2	18.8
5 11	14 41.17	−11 7.3	1.352	2.353	4.3	18.9
5 21	14 31.56	−10 23.1	1.356	2.327	9.2	19.1
5 31	14 23.65	− 9 50.9	1.384	2.301	13.9	19.3
6 10	14 18.29	− 9 34.7	1.432	2.275	18.0	19.5

277273 2005 SU_{61} 5 4.7 237°.27 3°.2/ 1.2 16

4 1	15 7.47	− 8 34.8	2.616	3.472	9.8	21.4
4 11	15 2.93	− 7 24.1	2.532	3.462	7.2	21.2
4 21	14 57.00	− 6 10.3	2.475	3.452	4.6	21.1
5 1	14 50.19	− 4 57.8	2.447	3.442	3.2	20.9
5 11	14 43.15	− 3 51.2	2.448	3.432	4.6	21.0
5 21	14 36.53	− 2 54.7	2.478	3.421	7.2	21.2
5 31	14 30.90	− 2 11.4	2.533	3.410	9.9	21.3
6 10	14 26.73	− 1 42.8	2.611	3.399	12.3	21.5

251579 2009 FZ_{47} 5 4.7 329°.80 0°.9/ 5.1 16

4 1	15 13.20	−16 39.3	1.708	2.563	14.2	19.1
4 11	15 8.19	−17 16.6	1.616	2.544	10.7	18.8
4 21	15 0.65	−17 49.5	1.546	2.525	6.6	18.6
5 1	14 51.29	−18 17.6	1.502	2.507	2.1	18.2
5 11	14 41.17	−18 41.5	1.485	2.490	3.0	18.2
5 21	14 31.51	−19 2.9	1.495	2.474	7.6	18.5
5 31	14 23.46	−19 24.3	1.529	2.458	12.0	18.7
6 10	14 17.87	−19 49.0	1.584	2.444	15.8	18.9

42030 2000 YA_{89} 5 4.7 352°.37 0°.8/ 3.9 18

4 1	15 8.61	−15 10.1	2.353	3.203	11.0	19.7
4 11	15 3.92	−14 43.7	2.275	3.203	8.0	19.5
4 21	14 57.64	−14 11.4	2.223	3.203	4.7	19.3
5 1	14 50.38	−13 35.8	2.197	3.203	1.4	19.0
5 11	14 42.87	−13 0.2	2.201	3.203	2.7	19.1
5 21	14 35.86	−12 28.2	2.232	3.203	6.1	19.3
5 31	14 30.03	−12 2.9	2.289	3.203	9.3	19.5
6 10	14 25.85	−11 46.7	2.370	3.203	12.1	19.7

91371 1999 JY_{94} 5 4.7 311°.44 5°.4/30.3 18

4 1	15 7.26	− 8 42.4	1.500	2.381	14.4	18.9
4 11	15 3.83	− 7 2.3	1.414	2.356	10.8	18.6
4 21	14 58.02	− 5 13.2	1.351	2.331	7.1	18.3
5 1	14 50.55	− 3 23.8	1.313	2.307	5.4	18.1
5 11	14 42.50	− 1 44.3	1.300	2.283	7.7	18.2
5 21	14 35.01	− 0 23.7	1.312	2.260	11.8	18.4
5 31	14 29.16	+ 0 31.4	1.345	2.237	16.0	18.6
6 10	14 25.70	+ 0 58.7	1.397	2.215	19.7	18.7

161713 2006 KJ_{109} 5 4.7 242°.56 0°.5/ 5.1 17

4 1	15 12.33	−18 52.0	2.348	3.184	11.5	21.2
4 11	15 6.82	−18 43.2	2.252	3.170	8.6	21.0
4 21	14 59.49	−18 26.4	2.180	3.155	5.3	20.7
5 1	14 50.92	−18 2.6	2.135	3.140	1.6	20.4
5 11	14 41.93	−17 34.4	2.120	3.125	2.3	20.5
5 21	14 33.36	−17 5.0	2.133	3.108	6.0	20.7
5 31	14 26.01	−16 38.2	2.173	3.092	9.5	20.9
6 10	14 20.47	−16 17.6	2.237	3.075	12.5	21.0

502864 2015 DM_{202} 5 4.7 187°.30 3°.7/ 7.7 17

4 1	15 13.46	−28 59.0	2.190	2.996	13.2	21.8
4 11	15 7.79	−28 54.8	2.105	2.996	10.5	21.6
4 21	15 0.08	−28 34.9	2.042	2.995	7.4	21.4
5 1	14 51.07	−27 58.9	2.005	2.994	4.5	21.2
5 11	14 41.71	−27 9.2	1.996	2.992	3.9	21.1
5 21	14 32.99	−26 10.0	2.015	2.990	6.3	21.3
5 31	14 25.77	−25 7.3	2.061	2.988	9.5	21.5
6 10	14 20.64	−24 7.3	2.131	2.985	12.5	21.7

57027 2000 UB_{59} 5 4.7 139°.79 0°.9/ 5.7 18

4 1	15 6.30	−21 20.1	3.536	4.360	8.3	20.0
4 11	15 1.78	−21 5.5	3.456	4.366	6.2	19.9
4 21	14 56.19	−20 44.3	3.402	4.373	3.9	19.7
5 1	14 49.97	−20 17.5	3.376	4.379	1.5	19.5
5 11	14 43.61	−19 47.2	3.381	4.385	1.6	19.6
5 21	14 37.60	−19 15.5	3.415	4.391	4.0	19.7
5 31	14 32.38	−18 45.0	3.477	4.396	6.3	19.9
6 10	14 28.30	−18 17.9	3.564	4.402	8.3	20.1

435425 2008 CC_{9} 5 4.7 128°.53 3°.9/ 1.0 18

4 1	15 9.00	− 4 38.2	2.554	3.409	10.1	21.5
4 11	15 3.96	− 3 50.0	2.493	3.419	7.5	21.4
4 21	14 57.55	− 3 3.1	2.458	3.429	5.1	21.3
5 1	14 50.34	− 2 21.4	2.450	3.438	3.9	21.2
5 11	14 43.00	− 1 48.5	2.471	3.447	5.1	21.3
5 21	14 36.17	− 1 27.0	2.520	3.456	7.5	21.4
5 31	14 30.42	− 1 18.4	2.594	3.465	9.9	21.6
6 10	14 26.16	− 1 23.1	2.690	3.473	12.1	21.8

517525 2014 RQ_6 5 4.7 271°.03 2°.2/ 5.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
4 1	15 16.29	−21 11.9	1.501	2.349	16.2	21.9
4 11	15 10.84	−21 29.7	1.411	2.333	12.4	21.6
4 21	15 2.41	−21 35.6	1.342	2.317	8.0	21.3
5 1	14 51.82	−21 28.8	1.298	2.301	3.4	21.0
5 11	14 40.35	−21 11.1	1.280	2.284	3.6	21.0
5 21	14 29.49	−20 46.6	1.287	2.267	8.5	21.2
5 31	14 20.61	−20 21.3	1.318	2.250	13.3	21.4
6 10	14 14.66	−20 1.7	1.369	2.233	17.5	21.6

494888 2008 SC_{180} 5 4.7 254°.74 0°.9/ 4.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 17.70	−15 4.6	1.613	2.467	15.0	22.3
4 11	15 11.66	−14 54.0	1.517	2.446	11.2	22.0
4 21	15 2.81	−14 35.7	1.443	2.424	6.8	21.7
5 1	14 51.92	−14 11.6	1.395	2.401	1.9	21.4
5 11	14 40.18	−13 45.4	1.374	2.378	3.7	21.4
5 21	14 28.94	−13 21.7	1.380	2.353	8.8	21.7
5 31	14 19.49	−13 5.6	1.410	2.328	13.6	21.9
6 10	14 12.75	−13 1.2	1.461	2.303	17.8	22.1

132076 2002 CN_{162} 5 4.7 85°.70 0°.3/ 4.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 16.63	−16 42.2	1.425	2.284	16.3	20.6
4 11	15 10.52	−16 28.0	1.371	2.302	12.0	20.4
4 21	15 1.81	−16 4.2	1.339	2.320	7.1	20.2
5 1	14 51.54	−15 33.8	1.332	2.338	1.9	19.9
5 11	14 41.07	−15 1.4	1.351	2.356	3.4	20.0
5 21	14 31.70	−14 32.2	1.396	2.373	8.4	20.4
5 31	14 24.47	−14 11.2	1.465	2.390	12.7	20.7
6 10	14 19.98	−14 1.9	1.554	2.407	16.4	20.9

487535 2014 UW_{169} 5 4.7 176°.07 3°.9/28.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 2.53	+ 5 46.3	4.753	5.587	6.1	21.3
4 11	14 58.78	+ 6 16.8	4.690	5.588	5.0	21.2
4 21	14 54.33	+ 6 42.6	4.653	5.588	4.1	21.1
5 1	14 49.47	+ 7 1.7	4.644	5.589	3.9	21.1
5 11	14 44.53	+ 7 12.6	4.664	5.589	4.5	21.2
5 21	14 39.81	+ 7 14.2	4.710	5.589	5.6	21.3
5 31	14 35.61	+ 7 6.3	4.782	5.589	6.8	21.3
6 10	14 32.18	+ 6 49.1	4.876	5.589	7.9	21.4

215009 2008 DR_{79} 5 4.7 169°.08 1°.5/ 3.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 12.34	−11 3.3	2.498	3.345	10.5	20.1
4 11	15 6.56	−11 2.6	2.421	3.346	7.7	19.9
4 21	14 59.19	−11 0.2	2.369	3.348	4.6	19.7
5 1	14 50.83	−10 57.7	2.345	3.349	1.8	19.5
5 11	14 42.20	−10 57.4	2.351	3.350	3.0	19.6
5 21	14 34.06	−11 1.2	2.385	3.351	6.2	19.8
5 31	14 27.06	−11 10.8	2.447	3.351	9.2	20.0
6 10	14 21.71	−11 27.4	2.532	3.352	11.8	20.2

98139 2000 SG_{53} 5 4.7 206°.19 0°.5/ 3.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 1.90	−14 29.2	4.747	5.588	6.0	20.0
4 11	14 58.37	−14 5.0	4.662	5.586	4.4	19.9
4 21	14 54.11	−13 38.2	4.605	5.584	2.6	19.7
5 1	14 49.42	−13 10.0	4.577	5.582	0.8	19.6
5 11	14 44.63	−12 42.1	4.579	5.580	1.5	19.6
5 21	14 40.05	−12 16.0	4.611	5.578	3.4	19.8
5 31	14 35.99	−11 53.2	4.671	5.576	5.1	19.9
6 10	14 32.70	−11 35.2	4.756	5.573	6.7	20.0

431860 2008 SW_{106} 5 4.7 205°.70 0°.6/ 5.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 13.10	−18 34.1	2.058	2.900	12.6	21.0
4 11	15 7.53	−18 33.4	1.977	2.898	9.4	20.8
4 21	14 59.95	−18 24.5	1.919	2.896	5.8	20.6
5 1	14 51.06	−18 8.6	1.889	2.894	1.8	20.3
5 11	14 41.80	−17 48.2	1.886	2.891	2.5	20.4
5 21	14 33.11	−17 26.7	1.912	2.888	6.5	20.6
5 31	14 25.86	−17 7.9	1.963	2.885	10.2	20.8
6 10	14 20.65	−16 55.4	2.037	2.882	13.3	21.0

464774 2003 UB_{275} 5 4.7 175°.35 1°.0/ 5.3 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 16.38	−19 59.7	2.075	2.907	12.9	22.8
4 11	15 9.89	−19 54.0	1.995	2.911	9.7	22.6
4 21	15 1.33	−19 38.5	1.939	2.913	6.0	22.3
5 1	14 51.43	−19 14.3	1.911	2.915	2.1	22.1
5 11	14 41.20	−18 44.1	1.911	2.916	2.6	22.1
5 21	14 31.61	−18 11.9	1.940	2.916	6.5	22.4
5 31	14 23.56	−17 42.0	1.996	2.915	10.2	22.6
6 10	14 17.65	−17 18.4	2.075	2.914	13.3	22.8

422304 2014 SD_{160} 5 4.7 283°.67 2°.0/ 3.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 12.69	−14 38.4	1.402	2.271	15.9	21.4
4 11	15 8.17	−13 56.1	1.313	2.250	11.8	21.1
4 21	15 0.81	−13 2.5	1.245	2.229	7.1	20.7
5 1	14 51.40	−12 1.8	1.201	2.207	2.4	20.4
5 11	14 41.20	−11 1.0	1.183	2.185	4.7	20.5
5 21	14 31.61	−10 7.3	1.190	2.163	10.0	20.7
5 31	14 23.93	− 9 27.9	1.219	2.141	15.0	20.9
6 10	14 19.07	− 9 7.1	1.267	2.119	19.4	21.1

156451 2002 AH_{203} 5 4.7 165°.83 0°.0/ 4.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
4 1	15 12.62	−18 3.6	2.256	3.096	11.8	21.2
4 11	15 6.91	−17 34.1	2.179	3.101	8.7	21.0
4 21	14 59.46	−16 56.1	2.127	3.105	5.2	20.8
5 1	14 50.92	−16 11.9	2.103	3.109	1.4	20.6
5 11	14 42.14	−15 25.2	2.108	3.112	2.5	20.7
5 21	14 33.97	−14 40.1	2.142	3.115	6.2	20.9
5 31	14 27.13	−14 0.7	2.202	3.117	9.6	21.1
6 10	14 22.13	−13 30.5	2.286	3.118	12.5	21.3

140701 2001 UJ_{75} 5 4.7 225°.76 1°.8/ 3.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 10.28	−11 27.8	2.488	3.339	10.4	20.3
4 11	15 5.11	−11 3.2	2.404	3.332	7.7	20.1
4 21	14 58.37	−10 35.4	2.344	3.324	4.6	19.9
5 1	14 50.63	−10 7.0	2.313	3.316	2.0	19.7
5 11	14 42.60	− 9 41.3	2.311	3.308	3.3	19.7
5 21	14 35.01	− 9 21.0	2.337	3.300	6.4	19.9
5 31	14 28.52	− 9 8.8	2.389	3.291	9.5	20.1
6 10	14 23.63	− 9 6.4	2.465	3.282	12.2	20.3

4791 Iphidamas 5 4.7 157°.70 3°.3/10.3 18 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 4.59	−36 18.9	4.626	5.373	7.6	17.6
4 11	15 0.44	−36 7.0	4.532	5.374	6.3	17.5
4 21	14 55.38	−35 44.8	4.463	5.375	4.9	17.4
5 1	14 49.78	−35 12.4	4.421	5.376	3.8	17.3
5 11	14 44.08	−34 30.9	4.407	5.378	3.3	17.3
5 21	14 38.68	−33 42.1	4.422	5.379	3.9	17.3
5 31	14 33.98	−32 48.6	4.466	5.380	5.1	17.4
6 10	14 30.26	−31 53.3	4.536	5.381	6.5	17.5

457365 2008 SU_{289} 5 4.7 181°.07 1°.4/ 3.9 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 17.17	−13 58.9	1.637	2.492	14.7	21.9
4 11	15 10.87	−13 41.5	1.564	2.493	10.9	21.6
4 21	15 2.09	−13 17.7	1.513	2.494	6.5	21.4
5 1	14 51.68	−12 50.1	1.489	2.494	2.0	21.1
5 11	14 40.84	−12 23.2	1.492	2.494	3.8	21.2
5 21	14 30.80	−12 1.2	1.521	2.493	8.4	21.5
5 31	14 22.61	−11 48.3	1.576	2.491	12.7	21.7
6 10	14 16.97	−11 47.3	1.651	2.488	16.3	21.9

497543 2006 CS_{26} 5 4.7 153°.72 11°.3/14.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 20.08	−48 39.3	2.080	2.772	17.3	21.2
4 11	15 13.67	−49 43.1	2.001	2.775	15.5	21.1
4 21	15 4.08	−50 21.2	1.939	2.777	13.7	20.9
5 1	14 52.27	−50 27.6	1.897	2.779	12.2	20.8
5 11	14 39.77	−50 0.3	1.877	2.781	11.3	20.8
5 21	14 28.19	−49 1.6	1.881	2.783	11.5	20.8
5 31	14 18.97	−47 38.7	1.907	2.784	12.7	20.9
6 10	14 12.95	−46 1.6	1.955	2.786	14.4	21.0

297202 2011 BZ_{112} 5 4.7 283°.27 0°.9/ 4.0 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 10.84	−16 21.4	1.731	2.590	13.8	21.0
4 11	15 6.15	−15 44.0	1.653	2.584	10.2	20.7
4 21	14 59.25	−14 56.8	1.597	2.578	6.1	20.4
5 1	14 50.90	−14 3.3	1.567	2.573	1.7	20.1
5 11	14 42.17	−13 8.7	1.564	2.567	3.4	20.2
5 21	14 34.09	−12 18.7	1.587	2.561	7.9	20.5
5 31	14 27.62	−11 38.6	1.635	2.555	12.0	20.7
6 10	14 23.40	−11 12.1	1.704	2.549	15.5	20.9

88608 2001 QO_{296} 5 4.7 259°.19 0°.3/ 4.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 16.39	−17 26.3	1.495	2.350	15.8	20.0
4 11	15 10.80	−17 28.5	1.408	2.337	11.9	19.7
4 21	15 2.34	−17 21.3	1.344	2.324	7.3	19.4
5 1	14 51.82	−17 5.7	1.304	2.310	2.1	19.0
5 11	14 40.54	−16 45.0	1.291	2.296	3.4	19.1
5 21	14 29.91	−16 23.5	1.303	2.281	8.6	19.4
5 31	14 21.24	−16 6.7	1.339	2.266	13.5	19.6
6 10	14 15.41	−15 59.4	1.395	2.251	17.7	19.8

107008 2000 YM_{112} 5 4.7 164°.21 1°.1/ 5.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 16.17	−20 29.9	1.941	2.777	13.6	21.0
4 11	15 9.83	−20 19.4	1.866	2.782	10.2	20.8
4 21	15 1.34	−19 58.0	1.814	2.788	6.3	20.6
5 1	14 51.46	−19 26.9	1.788	2.792	2.2	20.3
5 11	14 41.27	−18 49.4	1.791	2.796	2.7	20.4
5 21	14 31.80	−18 9.9	1.823	2.799	6.8	20.6
5 31	14 23.97	−17 33.5	1.880	2.801	10.6	20.9
6 10	14 18.39	−17 4.5	1.960	2.803	13.9	21.1

463427 2013 KB_{14} 5 4.7 359°.58 3°.5/ 2.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 8.49	−11 26.6	1.043	1.938	18.0	20.9
4 11	15 5.38	−10 49.3	0.985	1.935	13.3	20.6
4 21	14 59.19	−10 5.7	0.946	1.932	8.1	20.3
5 1	14 50.95	− 9 22.1	0.928	1.932	3.7	20.0
5 11	14 42.18	− 8 46.4	0.932	1.932	6.1	20.2
5 21	14 34.45	− 8 25.2	0.958	1.934	11.3	20.4
5 31	14 29.05	− 8 23.1	1.004	1.937	16.4	20.7
6 10	14 26.75	− 8 41.1	1.067	1.941	20.6	21.0

496858 1999 VU_{209} 5 4.7 209°.56 0°.0/ 4.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
4 1	15 14.45	−18 8.3	1.983	2.825	13.0	22.9
4 11	15 8.61	−17 44.3	1.897	2.820	9.7	22.7
4 21	15 0.66	−17 10.5	1.835	2.813	5.9	22.4
5 1	14 51.31	−16 29.2	1.800	2.806	1.6	22.1
5 11	14 41.54	−15 44.0	1.793	2.797	2.8	22.2
5 21	14 32.38	−14 59.7	1.815	2.789	7.0	22.4
5 31	14 24.72	−14 21.2	1.862	2.779	10.9	22.7
6 10	14 19.21	−13 52.4	1.932	2.769	14.2	22.8

464042 2014 WA_{186} 5 4.7 267°.19 7°.9/ 9.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 16.68	−35 29.6	1.696	2.486	17.1	21.5
4 11	15 11.24	−36 13.8	1.603	2.472	14.4	21.3
4 21	15 2.73	−36 36.6	1.530	2.457	11.4	21.1
5 1	14 51.97	−36 33.1	1.479	2.443	8.8	20.9
5 11	14 40.33	−36 2.3	1.452	2.428	8.0	20.8
5 21	14 29.34	−35 7.2	1.451	2.413	9.6	20.9
5 31	14 20.45	−33 56.0	1.473	2.398	12.7	21.0
6 10	14 14.60	−32 38.7	1.517	2.382	16.0	21.2

376812 2000 WA_{148} 5 4.7 209°.29 4°.6/ 1.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 12.96	− 2 33.5	2.376	3.225	10.9	21.1
4 11	15 7.09	− 1 56.7	2.298	3.219	8.3	20.9
4 21	14 59.57	− 1 22.6	2.245	3.212	5.8	20.8
5 1	14 50.99	− 0 55.2	2.220	3.204	4.6	20.7
5 11	14 42.12	− 0 38.2	2.223	3.196	5.8	20.7
5 21	14 33.74	− 0 33.9	2.254	3.187	8.4	20.9
5 31	14 26.54	− 0 43.8	2.311	3.178	11.1	21.0
6 10	14 21.05	− 1 7.6	2.389	3.168	13.6	21.2

352735 2008 SQ_{301} 5 4.7 306°.25 2°.0/ 3.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 12.98	−13 17.7	1.134	2.016	17.9	20.3
4 11	15 9.11	−13 6.1	1.046	1.989	13.5	20.0
4 21	15 1.79	−12 46.8	0.977	1.962	8.2	19.6
5 1	14 51.79	−12 23.3	0.930	1.935	2.7	19.2
5 11	14 40.56	−12 0.9	0.906	1.909	5.1	19.2
5 21	14 29.85	−11 45.8	0.904	1.883	11.3	19.5
5 31	14 21.39	−11 44.2	0.923	1.858	17.2	19.7
6 10	14 16.36	−12 0.0	0.958	1.834	22.4	19.9

264636 2001 WZ_{57} 5 4.7 179°.08 0°.5/ 5.0 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 14.25	−18 28.2	1.992	2.834	13.0	21.6
4 11	15 8.41	−18 21.9	1.914	2.835	9.7	21.4
4 21	15 0.50	−18 6.8	1.859	2.836	5.9	21.2
5 1	14 51.26	−17 44.5	1.831	2.836	1.8	20.9
5 11	14 41.66	−17 17.8	1.831	2.836	2.6	21.0
5 21	14 32.69	−16 50.5	1.860	2.836	6.7	21.2
5 31	14 25.24	−16 26.9	1.914	2.835	10.4	21.4
6 10	14 19.92	−16 10.5	1.990	2.834	13.7	21.6

512657 2016 TR_{68} 5 4.7 233°.25 0°.4/ 4.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 9.13	−16 41.5	2.709	3.550	10.0	22.5
4 11	15 4.21	−16 14.2	2.617	3.539	7.4	22.3
4 21	14 57.84	−15 40.3	2.550	3.529	4.4	22.1
5 1	14 50.52	−15 2.0	2.512	3.518	1.2	21.8
5 11	14 42.93	−14 22.1	2.503	3.506	2.3	21.9
5 21	14 35.73	−13 44.0	2.523	3.494	5.5	22.1
5 31	14 29.54	−13 10.8	2.570	3.482	8.5	22.2
6 10	14 24.84	−12 45.4	2.641	3.470	11.1	22.4

307192 2002 EY_{133} 5 4.7 111°.07 5°.8/ 8.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 19.52	−30 49.1	1.634	2.442	16.9	21.4
4 11	15 12.84	−31 20.9	1.570	2.458	13.6	21.2
4 21	15 3.35	−31 32.8	1.526	2.473	9.9	21.0
5 1	14 52.06	−31 22.2	1.506	2.487	6.7	20.9
5 11	14 40.39	−30 50.5	1.512	2.502	5.9	20.9
5 21	14 29.77	−30 2.8	1.544	2.515	8.3	21.0
5 31	14 21.36	−29 7.0	1.601	2.529	11.7	21.2
6 10	14 15.87	−28 11.5	1.680	2.542	14.9	21.5

497034 2003 SX_{8} 5 4.7 256°.09 5°.5/ 7.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 19.04	−29 36.4	1.848	2.653	15.4	22.3
4 11	15 12.75	−30 16.5	1.744	2.632	12.5	22.1
4 21	15 3.57	−30 41.4	1.662	2.610	9.2	21.8
5 1	14 52.23	−30 47.3	1.604	2.587	6.3	21.6
5 11	14 39.91	−30 33.5	1.574	2.564	5.7	21.5
5 21	14 28.02	−30 2.2	1.570	2.540	8.3	21.6
5 31	14 17.91	−29 19.7	1.592	2.515	12.0	21.7
6 10	14 10.54	−28 33.8	1.635	2.490	15.6	21.9

200599 2001 RB_{95} 5 4.7 156°.21 5°.5/ 7.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 18.43	−29 35.0	1.571	2.388	17.1	20.3
4 11	15 12.27	−30 4.3	1.497	2.392	13.7	20.1
4 21	15 3.15	−30 14.3	1.443	2.396	9.9	19.8
5 1	14 52.04	−30 2.4	1.413	2.399	6.5	19.6
5 11	14 40.38	−29 29.7	1.409	2.402	5.7	19.6
5 21	14 29.64	−28 41.2	1.431	2.405	8.5	19.8
5 31	14 21.10	−27 44.9	1.477	2.407	12.2	20.0
6 10	14 15.56	−26 49.5	1.544	2.409	15.8	20.2

51412 2001 EE_{10} 5 4.7 285°.65 0°.7/ 4.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
4 1	15 13.79	−15 49.9	1.591	2.450	14.8	19.2
4 11	15 8.82	−15 35.7	1.493	2.425	11.1	18.9
4 21	15 1.17	−15 12.5	1.418	2.400	6.7	18.6
5 1	14 51.55	−14 42.6	1.368	2.374	1.9	18.2
5 11	14 41.10	−14 9.9	1.344	2.348	3.6	18.2
5 21	14 31.12	−13 39.5	1.346	2.322	8.7	18.5
5 31	14 22.85	−13 17.0	1.372	2.296	13.5	18.7
6 10	14 17.18	−13 6.5	1.418	2.270	17.7	18.9

466620 2014 VU_{22} 5 4.7 182°.54 0°.4/ 4.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 15.01	−16 35.6	1.995	2.839	12.9	22.0
4 11	15 8.93	−16 14.1	1.916	2.840	9.5	21.8
4 21	15 0.80	−15 44.6	1.861	2.840	5.7	21.6
5 1	14 51.35	−15 9.4	1.834	2.840	1.5	21.3
5 11	14 41.57	−14 32.2	1.835	2.839	2.9	21.4
5 21	14 32.43	−13 57.2	1.865	2.837	7.0	21.6
5 31	14 24.81	−13 28.6	1.920	2.835	10.8	21.9
6 10	14 19.31	−13 9.9	1.998	2.832	14.0	22.1

222629 2001 XM_{108} 5 4.7 185°.14 5°.3/30.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 12.81	− 1 49.3	2.134	2.988	11.8	20.5
4 11	15 7.09	− 1 1.7	2.066	2.988	9.0	20.4
4 21	14 59.59	− 0 17.4	2.022	2.988	6.5	20.2
5 1	14 51.01	+ 0 18.5	2.006	2.987	5.3	20.1
5 11	14 42.17	+ 0 41.8	2.017	2.986	6.6	20.2
5 21	14 33.92	+ 0 49.7	2.054	2.984	9.3	20.4
5 31	14 27.00	+ 0 41.1	2.117	2.982	12.1	20.5
6 10	14 21.94	+ 0 16.5	2.200	2.979	14.6	20.7

278704 2008 SR_{3} 5 4.7 166°.93 4°.1/30.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 10.42	− 4 59.7	2.472	3.326	10.4	21.8
4 11	15 5.09	− 3 56.7	2.405	3.331	7.8	21.7
4 21	14 58.31	− 2 53.9	2.364	3.335	5.3	21.5
5 1	14 50.64	− 1 56.1	2.351	3.339	4.1	21.4
5 11	14 42.81	− 1 7.7	2.368	3.342	5.4	21.5
5 21	14 35.49	− 0 31.8	2.412	3.345	7.9	21.7
5 31	14 29.30	− 0 10.7	2.481	3.347	10.5	21.9
6 10	14 24.68	− 0 4.8	2.572	3.348	12.8	22.0

305987 2009 JD_{3} 5 4.7 184°.39 4°.9/30.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 8.86	− 1 59.2	2.352	3.210	10.7	20.8
4 11	15 4.06	− 1 10.4	2.285	3.210	8.2	20.6
4 21	14 57.74	− 0 24.6	2.243	3.210	5.9	20.5
5 1	14 50.50	+ 0 13.7	2.228	3.209	4.9	20.4
5 11	14 43.05	+ 0 40.6	2.241	3.209	6.1	20.5
5 21	14 36.10	+ 0 53.4	2.280	3.209	8.5	20.6
5 31	14 30.29	+ 0 51.0	2.344	3.209	11.1	20.8
6 10	14 26.07	+ 0 33.4	2.429	3.208	13.4	20.9

31280 1998 FG_{33} 5 4.7 257°.07 4°.6/30.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 8.03	− 4 50.9	2.229	3.091	11.0	18.5
4 11	15 3.55	− 3 44.7	2.159	3.088	8.3	18.3
4 21	14 57.48	− 2 38.6	2.113	3.085	5.7	18.1
5 1	14 50.43	− 1 37.9	2.095	3.082	4.6	18.0
5 11	14 43.16	− 0 47.6	2.105	3.079	6.0	18.1
5 21	14 36.39	− 0 11.4	2.141	3.076	8.7	18.3
5 31	14 30.80	+ 0 8.3	2.202	3.073	11.4	18.5
6 10	14 26.86	+ 0 11.2	2.283	3.070	13.9	18.6

244124 2001 VV_{42} 5 4.7 205°.52 2°.0/ 6.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 12.97	−24 4.8	2.093	2.919	13.0	20.4
4 11	15 7.48	−23 45.5	2.006	2.916	10.0	20.2
4 21	14 59.97	−23 12.6	1.943	2.911	6.5	20.0
5 1	14 51.14	−22 27.0	1.906	2.906	2.9	19.7
5 11	14 41.95	−21 32.1	1.897	2.901	2.8	19.7
5 21	14 33.37	−20 32.7	1.917	2.895	6.3	19.9
5 31	14 26.26	−19 34.6	1.963	2.889	10.0	20.1
6 10	14 21.22	−18 43.1	2.032	2.882	13.2	20.3

154513 2003 FM_{57} 5 4.7 129°.96 7°.5/28.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 10.65	+ 0 52.4	1.816	2.678	13.1	19.4
4 11	15 5.69	+ 2 22.7	1.761	2.683	10.3	19.2
4 21	14 58.82	+ 3 47.3	1.731	2.688	8.1	19.1
5 1	14 50.80	+ 4 58.7	1.726	2.693	7.5	19.1
5 11	14 42.58	+ 5 50.4	1.747	2.697	9.0	19.2
5 21	14 35.08	+ 6 18.7	1.793	2.702	11.6	19.3
5 31	14 29.07	+ 6 22.8	1.861	2.706	14.3	19.5
6 10	14 25.07	+ 6 4.2	1.947	2.710	16.8	19.7

394650 2008 AS_{64} 5 4.7 186°.94 2°.7/ 7.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 10.87	−27 4.2	2.662	3.470	11.1	21.6
4 11	15 5.57	−26 55.9	2.575	3.469	8.7	21.4
4 21	14 58.68	−26 35.5	2.511	3.469	5.9	21.3
5 1	14 50.77	−26 3.3	2.475	3.467	3.4	21.1
5 11	14 42.61	−25 21.4	2.467	3.466	2.9	21.1
5 21	14 34.93	−24 33.2	2.489	3.464	5.3	21.2
5 31	14 28.42	−23 43.0	2.537	3.462	8.0	21.4
6 10	14 23.57	−22 55.2	2.611	3.460	10.6	21.6

73715 1992 SC_{21} 5 4.7 248°.67 1°.2/ 3.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
4 1	15 10.77	−13 59.5	2.239	3.090	11.4	20.1
4 11	15 5.70	−13 33.6	2.151	3.079	8.4	19.9
4 21	14 58.86	−13 2.0	2.088	3.068	5.0	19.7
5 1	14 50.85	−12 27.4	2.051	3.056	1.6	19.4
5 11	14 42.48	−11 53.5	2.044	3.045	3.1	19.5
5 21	14 34.57	−11 23.7	2.064	3.033	6.7	19.7
5 31	14 27.89	−11 1.5	2.110	3.020	10.2	19.9
6 10	14 23.00	−10 49.6	2.179	3.008	13.1	20.1

506271 2016 RK_5 5 4.7 139°.30 1°.0/ 5.6 17

4 1	15 9.29	−21 50.2	2.357	3.191	11.5	20.7
4 11	15 4.48	−21 18.8	2.278	3.194	8.6	20.5
4 21	14 58.04	−20 36.5	2.224	3.197	5.4	20.3
5 1	14 50.60	−19 45.4	2.196	3.200	2.0	20.1
5 11	14 42.94	−18 49.0	2.198	3.203	2.2	20.1
5 21	14 35.83	−17 51.6	2.228	3.205	5.6	20.3
5 31	14 29.96	−16 58.0	2.284	3.208	8.9	20.5
6 10	14 25.80	−16 12.0	2.365	3.210	11.7	20.7

103710 2000 CT_{86} 5 4.7 72°.62 4°.7/ 1.8 18

4 1	15 12.60	− 6 53.4	1.543	2.414	14.6	19.0
4 11	15 7.42	− 6 2.5	1.486	2.422	10.8	18.8
4 21	14 59.98	− 5 11.3	1.452	2.430	7.0	18.6
5 1	14 51.14	− 4 25.9	1.443	2.438	4.7	18.4
5 11	14 42.06	− 3 52.1	1.459	2.446	6.5	18.6
5 21	14 33.85	− 3 34.2	1.501	2.455	10.1	18.8
5 31	14 27.43	− 3 34.3	1.565	2.463	13.8	19.0
6 10	14 23.38	− 3 52.3	1.649	2.471	17.0	19.3

519138 2010 MT_{99} 5 4.7 326°.16 3°.3/ 2.3 16

4 1	15 7.26	−11 3.6	1.612	2.487	13.8	21.2
4 11	15 3.70	−10 7.0	1.529	2.469	10.2	20.9
4 21	14 57.92	− 9 3.8	1.469	2.452	6.3	20.7
5 1	14 50.63	− 7 59.4	1.434	2.435	3.4	20.4
5 11	14 42.84	− 7 0.6	1.425	2.419	5.4	20.5
5 21	14 35.64	− 6 13.6	1.440	2.404	9.5	20.7
5 31	14 29.98	− 5 43.5	1.479	2.390	13.6	20.9
6 10	14 26.58	− 5 32.4	1.537	2.376	17.2	21.1

427983 2006 AJ_{21} 5 4.7 165°.75 0°.8/ 5.4 17

4 1	15 14.34	−20 8.6	2.637	3.461	10.7	22.5
4 11	15 8.01	−20 0.4	2.557	3.468	8.0	22.3
4 21	15 0.08	−19 44.1	2.502	3.474	4.9	22.1
5 1	14 51.16	−19 20.9	2.476	3.480	1.7	21.9
5 11	14 42.01	−18 52.9	2.480	3.484	2.1	21.9
5 21	14 33.38	−18 23.1	2.514	3.488	5.3	22.2
5 31	14 25.95	−17 55.0	2.575	3.491	8.3	22.3
6 10	14 20.20	−17 31.8	2.661	3.493	11.0	22.5

438843 2009 BH_{184} 5 4.7 359°.45 23°.9/14.7 17

4 1	15 15.36	+29 38.8	1.044	1.850	24.5	20.2
4 11	15 10.48	+32 14.3	1.026	1.849	24.0	20.1
4 21	15 2.15	+34 2.9	1.023	1.849	24.0	20.1
5 1	14 51.75	+34 51.2	1.033	1.849	24.7	20.1
5 11	14 41.14	+34 34.1	1.055	1.849	25.9	20.2
5 21	14 32.02	+33 14.9	1.089	1.849	27.2	20.3
5 31	14 25.68	+31 2.6	1.133	1.850	28.7	20.5
6 10	14 22.73	+28 10.0	1.185	1.851	30.0	20.6

506960 2008 QE_{46} 5 4.7 249°.54 6°.2/ 8.8 17

4 1	15 16.17	−33 34.3	2.080	2.865	14.6	22.1
4 11	15 10.30	−34 12.4	1.984	2.853	12.0	21.9
4 21	15 1.92	−34 33.5	1.909	2.840	9.3	21.7
5 1	14 51.76	−34 34.5	1.858	2.827	7.0	21.5
5 11	14 40.91	−34 14.8	1.834	2.813	6.3	21.4
5 21	14 30.59	−33 37.1	1.837	2.799	7.9	21.5
5 31	14 21.91	−32 47.1	1.865	2.785	10.7	21.7
6 10	14 15.69	−31 52.3	1.916	2.770	13.7	21.8

518927 2010 GP_{64} 5 4.7 266°.70 3°.4/ 1.1 16

4 1	15 7.85	− 9 29.2	2.346	3.205	10.7	21.4
4 11	15 3.44	− 8 6.3	2.259	3.191	7.9	21.1
4 21	14 57.46	− 6 38.4	2.198	3.176	5.0	20.9
5 1	14 50.46	− 5 10.5	2.166	3.161	3.4	20.8
5 11	14 43.18	− 3 48.7	2.162	3.146	5.0	20.9
5 21	14 36.34	− 2 38.1	2.187	3.131	8.0	21.0
5 31	14 30.60	− 1 42.8	2.237	3.116	11.0	21.2
6 10	14 26.47	− 1 4.7	2.309	3.101	13.6	21.4

189069 2000 YZ_{29} 5 4.7 160°.08 5°.6/29.9 17

4 1	15 11.72	− 0 8.1	2.312	3.163	11.1	21.0
4 11	15 6.13	+ 0 50.3	2.251	3.169	8.6	20.9
4 21	14 58.96	+ 1 44.4	2.215	3.175	6.4	20.7
5 1	14 50.86	+ 2 29.2	2.207	3.180	5.6	20.7
5 11	14 42.59	+ 3 0.3	2.226	3.185	6.9	20.8
5 21	14 34.89	+ 3 15.4	2.273	3.189	9.2	20.9
5 31	14 28.41	+ 3 13.3	2.343	3.193	11.6	21.1
6 10	14 23.63	+ 2 54.8	2.434	3.196	13.8	21.2

65146 2002 CT_{114} 5 4.7 277°.66 4°.1/ 1.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
4 1	15 9.66	− 4 27.5	2.316	3.173	10.9	19.0
4 11	15 4.75	− 3 54.6	2.239	3.166	8.2	18.8
4 21	14 58.22	− 3 23.3	2.187	3.159	5.5	18.6
5 1	14 50.68	− 2 57.3	2.162	3.152	4.1	18.5
5 11	14 42.85	− 2 40.3	2.164	3.145	5.3	18.6
5 21	14 35.50	− 2 34.9	2.194	3.138	8.0	18.8
5 31	14 29.29	− 2 42.5	2.249	3.130	10.8	18.9
6 10	14 24.73	− 3 3.4	2.326	3.123	13.4	19.1

431071 2006 BW_{257} 5 4.7 128°.97 2°.3/ 3.1 17

4 1	15 11.71	−11 26.6	1.896	2.756	12.8	21.6
4 11	15 6.52	−10 53.8	1.827	2.759	9.4	21.4
4 21	14 59.37	−10 17.0	1.781	2.762	5.6	21.2
5 1	14 51.00	− 9 40.0	1.761	2.764	2.5	21.0
5 11	14 42.34	− 9 7.1	1.770	2.767	4.1	21.1
5 21	14 34.34	− 8 42.2	1.805	2.769	7.9	21.4
5 31	14 27.83	− 8 28.6	1.865	2.772	11.4	21.6
6 10	14 23.36	− 8 27.9	1.946	2.774	14.5	21.8

364569 2007 QJ_5 5 4.7 254°.65 2°.4/ 6.0 17

4 1	15 16.24	−22 44.8	1.639	2.478	15.5	21.6
4 11	15 10.64	−22 50.9	1.546	2.463	11.9	21.3
4 21	15 2.26	−22 43.2	1.475	2.446	7.8	21.0
5 1	14 51.88	−22 21.4	1.428	2.429	3.5	20.7
5 11	14 40.74	−21 47.7	1.408	2.412	3.5	20.7
5 21	14 30.18	−21 6.6	1.414	2.394	8.0	20.9
5 31	14 21.46	−20 24.9	1.445	2.375	12.5	21.1
6 10	14 15.47	−19 49.1	1.498	2.357	16.6	21.3

120346 2004 RG_{319} 5 4.7 318°.65 0°.3/ 5.0 18

4 1	15 8.03	−20 5.2	2.347	3.188	11.3	19.8
4 11	15 3.58	−19 23.7	2.265	3.187	8.4	19.6
4 21	14 57.53	−18 32.1	2.208	3.185	5.1	19.4
5 1	14 50.49	−17 32.8	2.179	3.184	1.5	19.1
5 11	14 43.22	−16 29.8	2.178	3.183	2.2	19.2
5 21	14 36.46	−15 27.9	2.206	3.182	5.8	19.4
5 31	14 30.91	−14 31.6	2.260	3.181	9.1	19.6
6 10	14 27.02	−13 44.8	2.338	3.180	11.9	19.8

14898 1992 JR_3 5 4.7 343°.71 1°.1/ 5.4 18

4 1	15 10.63	−20 28.5	1.429	2.291	16.1	17.7
4 11	15 6.49	−20 13.1	1.355	2.286	12.1	17.5
4 21	14 59.71	−19 43.5	1.302	2.281	7.5	17.2
5 1	14 51.15	−19 1.6	1.272	2.277	2.6	16.9
5 11	14 42.08	−18 12.2	1.268	2.273	3.2	16.9
5 21	14 33.81	−17 21.7	1.288	2.270	8.2	17.2
5 31	14 27.49	−16 37.0	1.332	2.268	12.9	17.5
6 10	14 23.85	−16 3.8	1.396	2.266	16.9	17.7

522189 2016 AN_{259} 5 4.7 0°.70 0°.8/ 4.3 17

4 1	15 12.46	−15 30.9	1.224	2.100	17.2	21.2
4 11	15 8.09	−15 18.5	1.158	2.098	12.8	20.9
4 21	15 0.76	−14 56.9	1.113	2.098	7.6	20.6
5 1	14 51.45	−14 29.0	1.091	2.097	2.1	20.2
5 11	14 41.61	−14 0.1	1.093	2.098	4.0	20.4
5 21	14 32.72	−13 36.0	1.119	2.099	9.5	20.7
5 31	14 26.05	−13 22.2	1.167	2.101	14.5	21.0
6 10	14 22.38	−13 22.1	1.233	2.103	18.7	21.2

279069 2008 WH_{58} 5 4.7 235°.63 1°.7/ 3.5 18

4 1	15 12.45	−12 19.0	2.138	2.990	11.9	21.1
4 11	15 7.01	−12 0.5	2.053	2.981	8.7	20.9
4 21	14 59.68	−11 38.0	1.992	2.973	5.2	20.7
5 1	14 51.11	−11 14.1	1.959	2.963	1.9	20.5
5 11	14 42.16	−10 52.1	1.954	2.954	3.4	20.5
5 21	14 33.71	−10 35.3	1.978	2.944	7.1	20.7
5 31	14 26.58	−10 26.8	2.026	2.935	10.6	20.9
6 10	14 21.34	−10 28.3	2.098	2.924	13.7	21.1

325430 2009 OY_{15} 5 4.7 299°.33 2°.5/ 6.2 17

4 1	15 11.73	−23 42.3	1.522	2.370	16.0	21.1
4 11	15 7.40	−23 34.1	1.433	2.354	12.4	20.8
4 21	15 0.34	−23 9.0	1.365	2.338	8.1	20.5
5 1	14 51.36	−22 27.5	1.321	2.322	3.7	20.2
5 11	14 41.70	−21 33.0	1.302	2.306	3.5	20.1
5 21	14 32.68	−20 31.8	1.309	2.291	8.1	20.4
5 31	14 25.54	−19 31.7	1.339	2.276	12.7	20.6
6 10	14 21.14	−18 40.2	1.390	2.261	16.9	20.8

284664 2008 FW_{132} 5 4.7 285°.30 0°.1/ 4.9 18

4 1	15 2.99	−18 21.2	4.221	5.054	6.8	20.8
4 11	14 59.31	−18 1.2	4.131	5.049	5.0	20.6
4 21	14 54.78	−17 36.8	4.068	5.044	3.0	20.5
5 1	14 49.73	−17 9.0	4.033	5.039	0.9	20.3
5 11	14 44.54	−16 39.6	4.029	5.033	1.3	20.3
5 21	14 39.60	−16 10.5	4.054	5.028	3.5	20.5
5 31	14 35.25	−15 43.5	4.107	5.023	5.5	20.6
6 10	14 31.80	−15 20.4	4.186	5.018	7.3	20.7

182918 2002 EN_{132} 5 4.7 309°.11 4°.1/30.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
4 1	15 7.19	− 6 14.3	2.206	3.070	11.1	20.5
4 11	15 3.02	− 5 12.3	2.130	3.062	8.3	20.3
4 21	14 57.24	− 4 9.2	2.078	3.053	5.5	20.2
5 1	14 50.44	− 3 10.1	2.053	3.044	4.1	20.1
5 11	14 43.36	− 2 19.8	2.056	3.036	5.6	20.1
5 21	14 36.76	− 1 42.5	2.085	3.027	8.4	20.3
5 31	14 31.31	− 1 20.7	2.139	3.019	11.4	20.5
6 10	14 27.53	− 1 15.5	2.213	3.011	14.0	20.6

295329 2008 HG_2 5 4.7 348°.53 1°.1/ 3.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 3.75	−11 3.6	4.128	4.974	6.7	20.1
4 11	14 59.84	−10 50.4	4.047	4.973	4.9	19.9
4 21	14 55.09	−10 35.7	3.993	4.972	2.9	19.8
5 1	14 49.82	−10 21.2	3.969	4.972	1.2	19.7
5 11	14 44.42	−10 8.3	3.974	4.971	2.1	19.7
5 21	14 39.26	− 9 58.6	4.008	4.970	4.0	19.9
5 31	14 34.72	− 9 53.3	4.070	4.970	6.0	20.0
6 10	14 31.06	− 9 53.4	4.157	4.969	7.7	20.1

486025 2012 TX_{14} 5 4.7 301°.22 1°.4/ 6.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 3.25	−24 44.9	4.338	5.149	7.1	21.0
4 11	14 59.50	−24 30.9	4.248	5.147	5.4	20.8
4 21	14 54.90	−24 10.1	4.183	5.145	3.6	20.7
5 1	14 49.76	−23 43.3	4.146	5.143	1.8	20.6
5 11	14 44.51	−23 12.1	4.139	5.141	1.6	20.5
5 21	14 39.50	−22 38.2	4.162	5.139	3.3	20.7
5 31	14 35.11	−22 3.8	4.213	5.136	5.2	20.8
6 10	14 31.64	−21 31.1	4.290	5.134	6.9	20.9

141279 2001 YQ_{53} 5 4.7 65°.87 0°.3/ 4.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 10.37	−16 36.1	2.142	2.991	11.9	19.7
4 11	15 5.34	−16 18.5	2.076	3.002	8.8	19.5
4 21	14 58.59	−15 54.1	2.035	3.014	5.2	19.3
5 1	14 50.80	−15 25.2	2.020	3.026	1.4	19.0
5 11	14 42.82	−14 54.9	2.034	3.038	2.5	19.1
5 21	14 35.46	−14 27.0	2.075	3.049	6.2	19.4
5 31	14 29.44	−14 4.8	2.142	3.061	9.6	19.6
6 10	14 25.25	−13 51.0	2.232	3.073	12.5	19.8

336431 2008 UC_{247} 5 4.7 212°.08 0°.5/ 5.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 11.48	−19 41.3	2.212	3.051	12.0	21.9
4 11	15 6.26	−19 18.9	2.127	3.047	9.0	21.7
4 21	14 59.22	−18 46.8	2.066	3.042	5.5	21.4
5 1	14 51.00	−18 6.8	2.032	3.037	1.7	21.2
5 11	14 42.45	−17 22.2	2.027	3.032	2.4	21.2
5 21	14 34.44	−16 37.3	2.050	3.026	6.2	21.4
5 31	14 27.75	−15 56.4	2.100	3.020	9.7	21.6
6 10	14 22.92	−15 23.4	2.172	3.014	12.7	21.8

381177 2007 JG_{20} 5 4.7 304°.80 0°.8/ 4.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 9.20	−18 41.5	1.719	2.577	14.0	21.1
4 11	15 4.99	−17 32.0	1.638	2.569	10.4	20.9
4 21	14 58.61	−16 8.2	1.580	2.562	6.1	20.6
5 1	14 50.84	−14 34.5	1.549	2.555	1.7	20.3
5 11	14 42.72	−12 58.3	1.545	2.548	3.4	20.4
5 21	14 35.28	−11 27.6	1.567	2.541	8.0	20.7
5 31	14 29.42	−10 9.4	1.615	2.534	12.1	20.9
6 10	14 25.78	− 9 9.0	1.683	2.527	15.7	21.1

105163 2000 OW_{11} 5 4.7 256°.53 6°.0/30.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 13.91	− 4 23.2	1.587	2.454	14.5	19.8
4 11	15 8.66	− 3 20.3	1.507	2.438	11.0	19.5
4 21	15 0.94	− 2 17.3	1.449	2.423	7.7	19.3
5 1	14 51.52	− 1 21.1	1.417	2.406	6.0	19.1
5 11	14 41.55	− 0 38.8	1.411	2.390	7.8	19.2
5 21	14 32.19	− 0 15.9	1.430	2.373	11.5	19.4
5 31	14 24.55	− 0 15.0	1.471	2.355	15.3	19.5
6 10	14 19.36	− 0 36.2	1.531	2.337	18.8	19.7

413016 2000 QA_{221} 5 4.7 281°.51 3°.2/ 6.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 15.55	−23 44.3	1.484	2.327	16.6	21.1
4 11	15 10.52	−24 1.2	1.388	2.305	12.9	20.8
4 21	15 2.42	−24 3.3	1.313	2.283	8.6	20.5
5 1	14 52.01	−23 49.1	1.262	2.261	4.3	20.2
5 11	14 40.63	−23 20.1	1.236	2.239	4.1	20.1
5 21	14 29.77	−22 40.7	1.235	2.216	8.7	20.3
5 31	14 20.89	−21 58.2	1.258	2.193	13.5	20.5
6 10	14 15.02	−21 20.5	1.301	2.171	17.9	20.7

56482 2000 GY_{115} 5 4.7 219°.88 4°.5/ 1.5 18 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 13.61	− 8 58.8	1.633	2.498	14.2	19.3
4 11	15 8.28	− 7 41.4	1.557	2.491	10.6	19.0
4 21	15 0.61	− 6 18.6	1.505	2.483	6.8	18.8
5 1	14 51.41	− 4 57.2	1.479	2.475	4.5	18.6
5 11	14 41.79	− 3 45.1	1.480	2.466	6.5	18.7
5 21	14 32.87	− 2 49.0	1.506	2.457	10.4	18.9
5 31	14 25.66	− 2 13.2	1.556	2.447	14.3	19.1
6 10	14 20.82	− 1 59.4	1.626	2.436	17.7	19.3

140818 2001 UC_{162} 5 4.7 266°.89 1°.1/ 3.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
4 1	15 11.52	−13 30.1	2.370	3.217	11.0	19.7
4 11	15 6.27	−13 16.5	2.272	3.198	8.1	19.5
4 21	14 59.25	−12 58.6	2.199	3.178	4.9	19.2
5 1	14 51.03	−12 38.2	2.153	3.158	1.6	19.0
5 11	14 42.38	−12 18.3	2.137	3.138	2.9	19.0
5 21	14 34.11	−12 1.7	2.149	3.118	6.5	19.2
5 31	14 26.96	−11 51.4	2.187	3.097	9.9	19.4
6 10	14 21.54	−11 49.6	2.249	3.076	12.8	19.6

289788 2005 JN_{108} 5 4.7 236°.03 4°.3/30.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 9.25	− 4 54.1	2.313	3.172	10.8	21.3
4 11	15 4.45	− 3 59.3	2.237	3.164	8.2	21.1
4 21	14 58.07	− 3 4.9	2.185	3.157	5.6	20.9
5 1	14 50.68	− 2 15.4	2.161	3.150	4.3	20.8
5 11	14 43.03	− 1 35.2	2.165	3.142	5.6	20.9
5 21	14 35.84	− 1 7.7	2.196	3.134	8.3	21.1
5 31	14 29.80	− 0 55.2	2.252	3.126	11.1	21.2
6 10	14 25.40	− 0 58.2	2.329	3.118	13.6	21.4

500741 2012 XF_{142} 5 4.7 75°.30 3°.4/ 2.0 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 9.76	− 7 28.2	2.143	3.004	11.5	21.4
4 11	15 4.83	− 6 47.8	2.082	3.013	8.5	21.3
4 21	14 58.27	− 6 6.9	2.045	3.022	5.4	21.1
5 1	14 50.72	− 5 29.7	2.035	3.031	3.5	21.0
5 11	14 43.00	− 5 0.1	2.052	3.040	4.8	21.1
5 21	14 35.88	− 4 41.2	2.097	3.049	7.8	21.3
5 31	14 30.04	− 4 35.1	2.167	3.058	10.8	21.5
6 10	14 25.96	− 4 42.3	2.258	3.067	13.4	21.7

6273 Kiruna 5 4.7 151°.74 0°.8/ 4.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 14.42	−15 44.9	2.173	3.015	12.0	19.1
4 11	15 8.28	−15 13.9	2.102	3.026	8.8	18.9
4 21	15 0.33	−14 35.8	2.057	3.035	5.2	18.7
5 1	14 51.30	−13 53.6	2.039	3.044	1.5	18.5
5 11	14 42.06	−13 11.0	2.050	3.053	2.8	18.6
5 21	14 33.48	−12 32.1	2.090	3.060	6.6	18.8
5 31	14 26.32	−12 0.7	2.157	3.067	10.0	19.0
6 10	14 21.08	−11 39.5	2.246	3.072	12.9	19.3

513032 2017 VT_4 5 4.7 237°.07 1°.7/ 3.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 13.16	−12 11.2	2.191	3.041	11.7	21.4
4 11	15 7.54	−11 51.1	2.101	3.028	8.6	21.2
4 21	15 0.03	−11 27.0	2.036	3.015	5.2	21.0
5 1	14 51.26	−11 1.4	1.998	3.002	2.0	20.7
5 11	14 42.07	−10 37.7	1.989	2.988	3.5	20.8
5 21	14 33.34	−10 19.2	2.008	2.974	7.1	21.0
5 31	14 25.89	−10 8.9	2.053	2.959	10.6	21.2
6 10	14 20.32	−10 8.9	2.121	2.944	13.7	21.4

359995 2012 VA_{102} 5 4.7 135°.92 0°.1/ 4.9 17 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 10.37	−18 40.6	2.403	3.243	11.1	21.5
4 11	15 5.22	−18 14.4	2.329	3.250	8.2	21.3
4 21	14 58.49	−17 40.0	2.280	3.257	4.9	21.1
5 1	14 50.80	−16 59.6	2.259	3.264	1.4	20.8
5 11	14 42.90	−16 16.6	2.266	3.270	2.2	20.9
5 21	14 35.55	−15 34.5	2.302	3.277	5.7	21.1
5 31	14 29.42	−14 57.2	2.365	3.283	8.9	21.4
6 10	14 24.97	−14 27.9	2.451	3.289	11.6	21.5

269101 2007 HB_{83} 5 4.7 134°.23 3°.0/ 3.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 19.15	− 6 37.5	1.868	2.718	13.4	20.2
4 11	15 12.08	− 6 54.5	1.795	2.721	10.0	20.0
4 21	15 2.78	− 7 14.3	1.747	2.723	6.2	19.8
5 1	14 52.02	− 7 38.7	1.726	2.726	3.2	19.6
5 11	14 40.88	− 8 9.5	1.734	2.729	4.5	19.7
5 21	14 30.45	− 8 47.4	1.770	2.731	8.2	19.9
5 31	14 21.66	− 9 33.0	1.832	2.734	11.9	20.1
6 10	14 15.18	−10 26.2	1.916	2.736	15.0	20.3

128424 2004 MM_1 5 4.7 57°.01 13°.2/15.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 17.15	−46 27.9	1.048	1.827	26.1	18.5
4 11	15 12.92	−46 42.4	0.988	1.835	22.9	18.3
4 21	15 4.14	−46 9.2	0.941	1.844	19.3	18.1
5 1	14 52.44	−44 40.0	0.911	1.854	15.7	17.9
5 11	14 40.35	−42 16.3	0.900	1.864	13.4	17.8
5 21	14 30.26	−39 10.9	0.910	1.874	13.6	17.8
5 31	14 23.85	−35 45.8	0.942	1.884	16.2	18.0
6 10	14 21.75	−32 24.3	0.993	1.894	19.7	18.3

307584 2003 HE_{28} 5 4.7 334°.15 1°.7/ 5.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 10.70	−22 58.2	1.238	2.102	17.9	19.8
4 11	15 6.94	−22 27.1	1.165	2.096	13.7	19.5
4 21	15 0.17	−21 35.2	1.112	2.090	8.6	19.2
5 1	14 51.36	−20 25.0	1.081	2.085	3.3	18.9
5 11	14 41.98	−19 3.0	1.074	2.080	3.5	18.9
5 21	14 33.53	−17 38.7	1.091	2.076	9.0	19.2
5 31	14 27.32	−16 22.2	1.131	2.072	14.2	19.5
6 10	14 24.14	−15 21.7	1.189	2.069	18.6	19.7

426224 2012 LH_{24} 5 4.7 298°.18 7°.5/29.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
4 1	15 12.00	+ 1 27.0	1.715	2.577	13.8	20.6
4 11	15 6.97	+ 2 20.9	1.646	2.569	10.9	20.4
4 21	14 59.79	+ 3 7.9	1.601	2.561	8.4	20.2
5 1	14 51.21	+ 3 41.4	1.580	2.553	7.5	20.2
5 11	14 42.26	+ 3 55.8	1.584	2.545	8.9	20.2
5 21	14 33.95	+ 3 48.2	1.613	2.537	11.7	20.4
5 31	14 27.22	+ 3 18.3	1.664	2.529	14.8	20.5
6 10	14 22.68	+ 2 28.0	1.734	2.522	17.6	20.7

470180 2006 UH_{332} 5 4.7 183°.35 2°.2/ 2.4 17

4 1	15 9.21	− 9 33.4	2.921	3.769	9.1	22.8
4 11	15 4.12	− 8 54.6	2.844	3.770	6.7	22.7
4 21	14 57.75	− 8 13.9	2.792	3.770	4.1	22.5
5 1	14 50.61	− 7 34.1	2.770	3.769	2.3	22.4
5 11	14 43.29	− 6 58.2	2.777	3.768	3.5	22.4
5 21	14 36.37	− 6 29.1	2.813	3.766	6.0	22.6
5 31	14 30.38	− 6 8.8	2.876	3.764	8.5	22.8
6 10	14 25.74	− 5 58.8	2.962	3.761	10.8	22.9

341803 2007 XL_{32} 5 4.7 9°.92 16°.7/17.5 18

4 1	15 20.75	−51 39.5	1.240	1.967	25.3	19.9
4 11	15 16.14	−52 56.1	1.172	1.967	23.2	19.7
4 21	15 6.51	−53 32.3	1.117	1.968	20.8	19.5
5 1	14 53.23	−53 16.4	1.076	1.968	18.5	19.4
5 11	14 38.91	−52 2.8	1.053	1.969	17.0	19.3
5 21	14 26.39	−49 56.0	1.048	1.969	16.8	19.3
5 31	14 17.89	−47 10.6	1.063	1.970	18.0	19.3
6 10	14 14.32	−44 7.0	1.097	1.971	20.2	19.5

127278 2002 JC_{66} 5 4.7 333°.82 2°.1/ 3.4 17

4 1	15 8.75	−13 33.3	1.547	2.420	14.5	19.4
4 11	15 4.90	−12 53.5	1.470	2.409	10.7	19.1
4 21	14 58.71	−12 5.8	1.415	2.399	6.4	18.8
5 1	14 50.95	−11 14.7	1.385	2.390	2.4	18.6
5 11	14 42.73	−10 26.0	1.380	2.381	4.4	18.7
5 21	14 35.17	− 9 45.7	1.401	2.373	8.9	18.9
5 31	14 29.29	− 9 18.7	1.444	2.365	13.2	19.1
6 10	14 25.77	− 9 7.8	1.508	2.359	16.9	19.4

73774 1994 PH_{19} 5 4.7 37°.70 1°.0/ 5.3 18

4 1	15 12.53	−20 7.3	1.343	2.206	16.8	18.2
4 11	15 7.88	−19 54.9	1.283	2.215	12.6	17.9
4 21	15 0.52	−19 28.6	1.244	2.224	7.7	17.7
5 1	14 51.43	−18 50.7	1.229	2.234	2.6	17.4
5 11	14 42.01	−18 6.2	1.238	2.244	3.2	17.4
5 21	14 33.60	−17 21.6	1.273	2.255	8.3	17.8
5 31	14 27.30	−16 43.5	1.330	2.266	12.9	18.1
6 10	14 23.79	−16 16.9	1.407	2.278	16.8	18.3

167091 2003 SN_{22} 5 4.7 302°.30 2°.0/ 6.0 18

4 1	15 12.48	−22 13.3	1.892	2.730	13.7	20.6
4 11	15 7.38	−22 17.3	1.810	2.727	10.5	20.3
4 21	15 0.08	−22 9.8	1.752	2.724	6.7	20.1
5 1	14 51.32	−21 51.2	1.719	2.720	2.9	19.9
5 11	14 42.13	−21 23.8	1.713	2.717	2.9	19.8
5 21	14 33.56	−20 51.8	1.734	2.714	6.7	20.1
5 31	14 26.55	−20 20.0	1.781	2.711	10.6	20.3
6 10	14 21.76	−19 53.3	1.850	2.708	13.9	20.5

308899 2006 SL_{198} 5 4.7 209°.29 8°.3/28.4 18

4 1	15 20.09	− 0 56.3	1.603	2.457	15.0	21.9
4 11	15 13.15	+ 1 6.6	1.529	2.448	11.8	21.7
4 21	15 3.61	+ 3 9.6	1.479	2.438	9.1	21.5
5 1	14 52.31	+ 5 1.8	1.457	2.426	8.4	21.4
5 11	14 40.50	+ 6 32.7	1.461	2.412	10.4	21.5
5 21	14 29.44	+ 7 35.1	1.491	2.396	13.8	21.7
5 31	14 20.26	+ 8 6.1	1.544	2.378	17.3	21.8
6 10	14 13.69	+ 8 7.1	1.613	2.359	20.3	22.0

255735 2006 QG_{138} 5 4.7 234°.51 2°.5/ 3.1 17

4 1	15 13.47	−12 1.0	1.701	2.562	13.9	21.2
4 11	15 8.18	−11 22.4	1.622	2.555	10.3	20.9
4 21	15 0.59	−10 38.0	1.566	2.548	6.2	20.7
5 1	14 51.47	− 9 51.9	1.537	2.540	2.7	20.4
5 11	14 41.91	− 9 9.6	1.534	2.532	4.5	20.5
5 21	14 32.99	− 8 36.0	1.558	2.523	8.7	20.8
5 31	14 25.73	− 8 15.3	1.605	2.515	12.8	21.0
6 10	14 20.80	− 8 9.9	1.674	2.506	16.3	21.2

4821 Bianucci 5 4.7 83°.84 0°.5/ 4.3 18

4 1	15 10.39	−16 14.1	2.269	3.116	11.4	17.7
4 11	15 5.26	−15 48.9	2.206	3.132	8.4	17.5
4 21	14 58.53	−15 17.2	2.168	3.147	4.9	17.3
5 1	14 50.85	−14 41.5	2.157	3.162	1.3	17.1
5 11	14 43.02	−14 5.4	2.174	3.178	2.5	17.2
5 21	14 35.81	−13 32.4	2.220	3.193	6.0	17.4
5 31	14 29.87	−13 5.8	2.292	3.207	9.2	17.6
6 10	14 25.67	−12 48.0	2.387	3.222	11.9	17.9

222868 2002 EA_{162} 5 4.7 135°.13 1°.5/ 3.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
4 1	15 12.42	−14 20.6	2.134	2.984	12.0	21.2
4 11	15 6.82	−13 36.8	2.068	2.995	8.8	21.1
4 21	14 59.49	−12 46.8	2.026	3.006	5.2	20.9
5 1	14 51.13	−11 54.1	2.012	3.017	1.8	20.6
5 11	14 42.59	−11 3.1	2.027	3.027	3.3	20.8
5 21	14 34.71	−10 18.3	2.071	3.037	6.9	21.0
5 31	14 28.21	− 9 43.3	2.140	3.046	10.2	21.2
6 10	14 23.58	− 9 20.6	2.231	3.055	13.1	21.4

297918 2002 DX_{15} 5 4.7 116°.56 7°.6/25.5 17

4 1	15 8.75	+11 2.4	2.851	3.676	10.0	21.4
4 11	15 3.70	+12 28.1	2.816	3.695	8.6	21.4
4 21	14 57.46	+13 43.0	2.807	3.713	7.7	21.3
5 1	14 50.55	+14 42.3	2.824	3.731	7.8	21.4
5 11	14 43.57	+15 22.6	2.868	3.748	8.7	21.4
5 21	14 37.09	+15 42.5	2.935	3.765	10.0	21.6
5 31	14 31.61	+15 42.4	3.025	3.781	11.5	21.7
6 10	14 27.48	+15 24.0	3.133	3.797	12.8	21.8

4988 Chushuho 5 4.7 226°.42 0°.7/ 4.2 18

4 1	15 14.07	−16 19.3	1.998	2.844	12.8	18.3
4 11	15 8.42	−15 47.0	1.908	2.833	9.5	18.1
4 21	15 0.66	−15 5.9	1.842	2.822	5.7	17.8
5 1	14 51.51	−14 18.7	1.803	2.809	1.6	17.5
5 11	14 41.90	−13 29.7	1.793	2.796	3.1	17.6
5 21	14 32.84	−12 43.5	1.811	2.782	7.3	17.8
5 31	14 25.23	−12 5.1	1.854	2.768	11.1	18.0
6 10	14 19.71	−11 38.2	1.920	2.753	14.5	18.2

241530 2010 CC_{77} 5 4.7 185°.07 1°.0/ 5.5 17

4 1	15 12.36	−20 32.8	2.155	2.992	12.4	21.5
4 11	15 6.98	−20 21.5	2.074	2.992	9.3	21.3
4 21	14 59.71	−20 0.3	2.017	2.991	5.8	21.1
5 1	14 51.22	−19 30.4	1.987	2.991	2.1	20.8
5 11	14 42.42	−18 54.9	1.985	2.990	2.4	20.8
5 21	14 34.18	−18 17.6	2.012	2.989	6.1	21.1
5 31	14 27.32	−17 42.9	2.064	2.988	9.7	21.3
6 10	14 22.41	−17 14.7	2.140	2.986	12.7	21.5

465855 2010 RB_{59} 5 4.7 276°.03 4°.1/ 6.9 17

4 1	15 15.53	−26 23.8	1.589	2.421	16.2	21.9
4 11	15 10.39	−26 41.2	1.492	2.400	12.9	21.6
4 21	15 2.32	−26 42.1	1.416	2.379	8.9	21.3
5 1	14 52.07	−26 24.5	1.364	2.358	5.2	21.1
5 11	14 40.91	−25 49.4	1.337	2.337	4.6	21.0
5 21	14 30.29	−25 1.2	1.336	2.315	8.4	21.1
5 31	14 21.59	−24 7.4	1.359	2.293	12.8	21.3
6 10	14 15.76	−23 16.4	1.403	2.271	16.9	21.5

98846 2001 AV_{27} 5 4.7 78°.13 0°.0/ 4.7 18

4 1	15 14.38	−15 54.6	1.845	2.696	13.5	19.3
4 11	15 8.67	−16 0.4	1.774	2.701	10.0	19.0
4 21	15 0.80	−16 0.0	1.726	2.705	6.0	18.8
5 1	14 51.54	−15 54.8	1.704	2.710	1.6	18.5
5 11	14 41.93	−15 47.3	1.710	2.715	2.8	18.6
5 21	14 33.00	−15 40.5	1.743	2.719	7.1	18.9
5 31	14 25.68	−15 37.9	1.802	2.724	10.9	19.1
6 10	14 20.58	−15 42.1	1.882	2.729	14.2	19.4

450766 2007 RA_{134} 5 4.7 202°.90 1°.6/ 2.6 18

4 1	15 5.45	− 9 47.7	3.941	4.786	7.0	22.4
4 11	15 1.15	− 9 20.5	3.857	4.782	5.1	22.3
4 21	14 55.93	− 8 52.0	3.800	4.777	3.1	22.1
5 1	14 50.15	− 8 24.0	3.772	4.772	1.6	22.0
5 11	14 44.23	− 7 58.6	3.774	4.767	2.5	22.1
5 21	14 38.58	− 7 37.5	3.806	4.761	4.5	22.2
5 31	14 33.56	− 7 22.4	3.866	4.756	6.5	22.3
6 10	14 29.50	− 7 14.3	3.950	4.749	8.3	22.4

182433 2001 RR_{134} 5 4.7 255°.37 2°.5/ 3.0 17

4 1	15 12.96	−11 18.5	1.867	2.726	13.0	21.0
4 11	15 7.71	−10 42.6	1.779	2.711	9.7	20.7
4 21	15 0.31	−10 1.8	1.715	2.695	5.9	20.5
5 1	14 51.43	− 9 19.8	1.677	2.680	2.7	20.3
5 11	14 42.06	− 8 41.6	1.667	2.664	4.4	20.3
5 21	14 33.21	− 8 11.6	1.683	2.647	8.4	20.5
5 31	14 25.83	− 7 53.7	1.725	2.630	12.3	20.7
6 10	14 20.59	− 7 50.1	1.787	2.613	15.7	20.9

309008 2006 UM_{78} 5 4.7 121°.22 2°.6/ 6.7 18

4 1	15 12.87	−24 29.9	2.336	3.156	12.1	20.7
4 11	15 7.29	−24 45.9	2.257	3.160	9.3	20.5
4 21	14 59.88	−24 51.3	2.201	3.164	6.2	20.3
5 1	14 51.28	−24 45.8	2.173	3.169	3.3	20.1
5 11	14 42.36	−24 30.9	2.173	3.173	3.0	20.1
5 21	14 33.98	−24 9.5	2.201	3.177	5.8	20.3
5 31	14 26.92	−23 45.3	2.256	3.181	8.9	20.5
6 10	14 21.76	−23 22.6	2.334	3.185	11.7	20.7

198483 2004 XU_{47} 5 4.7 97°.52 0°.9/ 5.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
4 1	15 12.99	−20 7.3	1.980	2.821	13.1	20.6
4 11	15 7.48	−19 58.1	1.912	2.832	9.8	20.4
4 21	15 0.00	−19 39.0	1.868	2.843	6.0	20.2
5 1	14 51.30	−19 11.4	1.850	2.854	2.1	20.0
5 11	14 42.36	−18 38.5	1.860	2.865	2.5	20.0
5 21	14 34.13	−18 4.4	1.898	2.876	6.4	20.3
5 31	14 27.43	−17 33.6	1.962	2.887	10.0	20.5
6 10	14 22.80	−17 9.9	2.048	2.897	13.1	20.7

12988 1981 EC_{5} 5 4.7 242°.09 3°.6/ 6.9 18

4 1	15 15.02	−26 32.9	1.425	2.264	17.4	19.2
4 11	15 9.98	−26 25.1	1.346	2.259	13.6	18.9
4 21	15 1.97	−25 56.7	1.286	2.253	9.2	18.6
5 1	14 51.93	−25 7.2	1.250	2.248	4.9	18.4
5 11	14 41.28	−24 0.6	1.239	2.242	4.3	18.3
5 21	14 31.50	−22 44.0	1.254	2.236	8.4	18.5
5 31	14 23.90	−21 27.3	1.292	2.230	13.1	18.8
6 10	14 19.30	−20 19.2	1.351	2.223	17.2	19.0

470935 2009 HA_{7} 5 4.7 291°.23 2°.5/ 2.8 16

4 1	15 9.40	−10 27.6	2.171	3.030	11.4	21.6
4 11	15 4.78	− 9 55.1	2.086	3.018	8.4	21.4
4 21	14 58.41	− 9 19.3	2.026	3.006	5.2	21.2
5 1	14 50.89	− 8 43.8	1.993	2.995	2.6	21.0
5 11	14 43.02	− 8 12.5	1.988	2.983	4.0	21.0
5 21	14 35.61	− 7 48.8	2.010	2.972	7.4	21.2
5 31	14 29.42	− 7 35.8	2.057	2.960	10.7	21.4
6 10	14 25.00	− 7 35.0	2.126	2.949	13.6	21.6

196584 2003 QX_{48} 5 4.7 271°.14 3°.1/ 2.5 17

4 1	15 10.78	− 9 47.7	1.878	2.741	12.7	20.0
4 11	15 5.96	− 9 3.7	1.803	2.737	9.4	19.8
4 21	14 59.16	− 8 16.4	1.753	2.733	5.8	19.6
5 1	14 51.10	− 7 30.2	1.729	2.729	3.2	19.4
5 11	14 42.70	− 6 50.1	1.732	2.725	4.8	19.5
5 21	14 34.92	− 6 20.6	1.761	2.721	8.4	19.7
5 31	14 28.57	− 6 4.7	1.815	2.717	12.0	19.9
6 10	14 24.25	− 6 4.0	1.890	2.713	15.1	20.1

430794 2004 VS 5 4.8 248°.44 0°.6/ 4.3 18

4 1	15 13.89	−15 32.1	2.301	3.142	11.5	21.7
4 11	15 8.13	−15 15.8	2.199	3.122	8.6	21.5
4 21	15 0.47	−14 53.2	2.123	3.101	5.1	21.2
5 1	14 51.49	−14 25.9	2.074	3.079	1.4	20.9
5 11	14 42.02	−13 57.0	2.054	3.057	2.7	21.0
5 21	14 32.92	−13 29.9	2.063	3.034	6.6	21.2
5 31	14 25.03	−13 8.1	2.099	3.010	10.1	21.4
6 10	14 18.99	−12 54.7	2.158	2.986	13.3	21.5

458126 2010 ED_{131} 5 4.8 57°.21 3°.1/ 3.4 16

4 1	15 16.11	−11 3.4	1.151	2.030	17.9	21.4
4 11	15 10.63	−10 40.0	1.104	2.045	13.2	21.1
4 21	15 2.18	−10 12.6	1.077	2.061	7.9	20.9
5 1	14 51.94	− 9 46.3	1.073	2.077	3.4	20.7
5 11	14 41.46	− 9 26.9	1.093	2.093	5.4	20.8
5 21	14 32.24	− 9 18.9	1.137	2.110	10.4	21.2
5 31	14 25.44	− 9 25.6	1.203	2.127	15.0	21.5
6 10	14 21.70	− 9 47.5	1.287	2.144	18.9	21.8

142047 2002 QK_{18} 5 4.8 175°.12 0°.4/ 5.1 17

4 1	15 14.68	−19 25.1	2.146	2.982	12.4	21.3
4 11	15 8.64	−19 2.0	2.067	2.985	9.3	21.1
4 21	15 0.69	−18 29.1	2.012	2.987	5.6	20.8
5 1	14 51.52	−17 48.3	1.984	2.989	1.7	20.6
5 11	14 42.06	−17 3.1	1.985	2.990	2.4	20.6
5 21	14 33.22	−16 17.8	2.015	2.990	6.3	20.9
5 31	14 25.82	−15 37.0	2.072	2.990	9.9	21.1
6 10	14 20.41	−15 4.7	2.152	2.989	13.0	21.3

383893 2008 SR_{28} 5 4.8 254°.92 2°.9/ 6.7 17

4 1	15 13.95	−25 8.9	2.096	2.917	13.2	21.6
4 11	15 8.47	−25 15.4	1.997	2.902	10.3	21.4
4 21	15 0.80	−25 9.1	1.922	2.886	6.9	21.1
5 1	14 51.61	−24 49.4	1.873	2.869	3.7	20.9
5 11	14 41.85	−24 18.1	1.851	2.852	3.4	20.8
5 21	14 32.57	−23 38.7	1.858	2.835	6.6	21.0
5 31	14 24.72	−22 56.4	1.890	2.817	10.2	21.2
6 10	14 19.02	−22 16.8	1.945	2.799	13.5	21.4

503993 2004 VR_{20} 5 4.8 221°.31 0°.3/ 4.5 18

4 1	15 13.50	−16 18.1	2.368	3.208	11.3	22.2
4 11	15 7.73	−16 4.0	2.276	3.198	8.4	22.0
4 21	15 0.16	−15 43.4	2.209	3.187	5.0	21.8
5 1	14 51.40	−15 18.0	2.170	3.176	1.4	21.5
5 11	14 42.26	−14 50.6	2.160	3.164	2.5	21.5
5 21	14 33.57	−14 24.4	2.180	3.152	6.2	21.8
5 31	14 26.09	−14 2.9	2.226	3.139	9.6	22.0
6 10	14 20.39	−13 48.9	2.295	3.125	12.5	22.1

463743 2014 QY_{400} 5 4.8 192°.80 3°.6/ 6.8 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
4 1	15 18.04	−25 33.3	1.696	2.522	15.6	21.6
4 11	15 11.85	−25 51.9	1.615	2.521	12.2	21.4
4 21	15 2.95	−25 55.4	1.556	2.520	8.3	21.1
5 1	14 52.22	−25 42.5	1.522	2.518	4.6	20.9
5 11	14 40.92	−25 15.0	1.515	2.515	4.1	20.9
5 21	14 30.36	−24 37.0	1.534	2.512	7.7	21.1
5 31	14 21.74	−23 55.2	1.579	2.508	11.7	21.3
6 10	14 15.83	−23 16.4	1.645	2.504	15.3	21.5

36186 1999 TC_{31} 5 4.8 298°.82 4°.1/ 7.5 18

4 1	15 13.37	−27 52.7	2.239	3.048	12.9	18.4
4 11	15 7.99	−28 28.4	2.145	3.037	10.3	18.2
4 21	15 0.51	−28 52.1	2.074	3.026	7.4	18.0
5 1	14 51.54	−29 2.1	2.028	3.014	4.8	17.8
5 11	14 42.03	−28 58.6	2.011	3.003	4.4	17.8
5 21	14 32.94	−28 43.6	2.020	2.992	6.6	17.9
5 31	14 25.22	−28 21.4	2.056	2.981	9.6	18.1
6 10	14 19.55	−27 56.9	2.115	2.970	12.5	18.2

167161 2003 SU_{244} 5 4.8 129°.44 1°.4/ 3.7 18

4 1	15 14.43	−15 23.8	1.754	2.608	13.9	20.5
4 11	15 8.65	−14 34.9	1.691	2.620	10.2	20.3
4 21	15 0.74	−13 37.4	1.651	2.632	6.0	20.1
5 1	14 51.55	−12 35.7	1.638	2.643	1.9	19.8
5 11	14 42.16	−11 35.4	1.653	2.654	3.6	20.0
5 21	14 33.61	−10 42.1	1.695	2.664	7.8	20.2
5 31	14 26.76	−10 0.8	1.762	2.674	11.7	20.5
6 10	14 22.16	− 9 34.2	1.850	2.683	15.0	20.7

456687 2007 RQ_{163} 5 4.8 163°.07 1°.6/ 3.6 16

4 1	15 14.13	−15 22.9	1.676	2.533	14.3	22.1
4 11	15 8.61	−14 30.5	1.606	2.537	10.6	21.9
4 21	15 0.81	−13 28.4	1.559	2.540	6.2	21.7
5 1	14 51.59	−12 21.4	1.538	2.544	2.0	21.4
5 11	14 42.07	−11 15.5	1.545	2.546	3.9	21.5
5 21	14 33.35	−10 17.1	1.579	2.548	8.3	21.8
5 31	14 26.37	− 9 31.6	1.637	2.550	12.4	22.0
6 10	14 21.75	− 9 2.2	1.716	2.551	15.9	22.3

161423 2003 WE_{26} 5 4.8 258°.84 4°.3/ 1.0 18

4 1	15 10.69	− 5 53.4	2.214	3.072	11.3	20.7
4 11	15 5.74	− 4 53.6	2.124	3.052	8.5	20.4
4 21	14 59.02	− 3 52.2	2.059	3.032	5.7	20.2
5 1	14 51.12	− 2 54.2	2.021	3.012	4.3	20.1
5 11	14 42.81	− 2 4.7	2.012	2.991	5.8	20.2
5 21	14 34.93	− 1 28.1	2.029	2.970	8.8	20.3
5 31	14 28.22	− 1 7.3	2.072	2.948	11.8	20.4
6 10	14 23.27	− 1 3.3	2.135	2.926	14.6	20.6

326146 2012 BS_{53} 5 4.8 359°.02 1°.4/ 5.5 17

4 1	15 10.75	−19 45.0	1.197	2.070	17.8	20.1
4 11	15 7.04	−19 48.8	1.131	2.067	13.4	19.8
4 21	15 0.32	−19 38.9	1.084	2.065	8.4	19.5
5 1	14 51.53	−19 16.7	1.059	2.064	2.9	19.2
5 11	14 42.16	−18 46.3	1.058	2.064	3.5	19.2
5 21	14 33.72	−18 13.8	1.080	2.065	9.0	19.5
5 31	14 27.53	−17 46.1	1.124	2.067	14.0	19.8
6 10	14 24.39	−17 28.8	1.187	2.071	18.3	20.1

267367 2001 XV_{92} 5 4.8 108°.31 1°.2/ 3.9 18

4 1	15 15.38	−13 38.3	1.971	2.820	12.8	20.9
4 11	15 9.11	−13 22.0	1.912	2.839	9.4	20.7
4 21	15 0.92	−13 1.0	1.877	2.857	5.5	20.5
5 1	14 51.60	−12 37.7	1.870	2.875	1.8	20.3
5 11	14 42.12	−12 15.6	1.891	2.892	3.2	20.4
5 21	14 33.41	−11 58.0	1.939	2.909	7.0	20.7
5 31	14 26.26	−11 48.0	2.014	2.925	10.5	20.9
6 10	14 21.19	−11 47.4	2.111	2.941	13.5	21.1

132998 2002 TL_{269} 5 4.8 337°.60 11°.9/ 7.5 16

4 1	15 10.73	−33 40.8	1.213	2.044	20.3	18.6
4 11	15 8.23	−35 48.1	1.118	2.010	17.5	18.3
4 21	15 1.90	−37 41.9	1.041	1.977	14.6	18.0
5 1	14 52.22	−39 12.3	0.984	1.947	12.4	17.8
5 11	14 40.63	−40 11.0	0.948	1.918	12.0	17.6
5 21	14 29.15	−40 34.4	0.932	1.891	14.0	17.6
5 31	14 20.08	−40 26.8	0.935	1.866	17.5	17.7
6 10	14 15.14	−39 58.6	0.954	1.844	21.2	17.9

129315 2005 SS_{257} 5 4.8 295°.57 2°.9/ 6.6 18

4 1	15 13.55	−24 2.4	2.220	3.043	12.5	19.4
4 11	15 8.10	−24 33.8	2.124	3.029	9.7	19.2
4 21	15 0.57	−24 55.5	2.051	3.015	6.6	19.0
5 1	14 51.59	−25 6.7	2.005	3.001	3.6	18.7
5 11	14 42.04	−25 7.6	1.987	2.987	3.4	18.7
5 21	14 32.89	−25 0.5	1.997	2.973	6.3	18.9
5 31	14 25.05	−24 48.8	2.033	2.959	9.6	19.0
6 10	14 19.23	−24 36.9	2.092	2.946	12.7	19.2

263214 2008 AP_{30} 5 4.8 74.°67 4.°0/ 7.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
4 1	15 15.46	−26 16.5	1.538	2.372	16.6	20.8
4 11	15 10.06	−26 32.8	1.468	2.377	12.9	20.6
4 21	15 1.92	−26 32.1	1.418	2.382	8.9	20.3
5 1	14 51.95	−26 13.3	1.392	2.387	5.0	20.1
5 11	14 41.52	−25 38.8	1.392	2.392	4.4	20.1
5 21	14 31.97	−24 53.7	1.417	2.397	7.9	20.3
5 31	14 24.49	−24 5.5	1.467	2.402	12.0	20.6
6 10	14 19.81	−23 21.4	1.537	2.407	15.7	20.8

354742 2005 TZ_{65} 5 4.8 297.°55 4.°7/ 8.2 17

4 1	15 12.05	−30 28.8	2.214	3.015	13.3	20.5
4 11	15 7.05	−30 51.9	2.120	3.005	10.7	20.3
4 21	14 59.95	−31 0.2	2.049	2.994	7.9	20.1
5 1	14 51.41	−30 52.1	2.004	2.984	5.4	19.9
5 11	14 42.37	−30 28.5	1.985	2.974	4.8	19.9
5 21	14 33.81	−29 52.3	1.993	2.964	6.7	20.0
5 31	14 26.68	−29 8.3	2.027	2.954	9.6	20.1
6 10	14 21.62	−28 22.7	2.084	2.944	12.5	20.3

403325 2009 DW_{22} 5 4.8 172.°23 0.°6/ 4.4 16

4 1	15 17.10	−16 5.4	1.860	2.704	13.7	22.7
4 11	15 10.68	−15 46.0	1.785	2.709	10.1	22.5
4 21	15 2.03	−15 18.6	1.733	2.712	6.0	22.2
5 1	14 51.96	−14 45.7	1.709	2.715	1.7	21.9
5 11	14 41.54	−14 11.2	1.713	2.716	3.1	22.0
5 21	14 31.84	−13 39.3	1.745	2.717	7.4	22.3
5 31	14 23.81	−13 14.5	1.802	2.717	11.3	22.5
6 10	14 18.07	−12 59.9	1.882	2.717	14.7	22.8

157820 1996 TE_{21} 5 4.8 0.°47 0.°4/ 4.5 17

4 1	15 10.93	−17 40.8	1.642	2.501	14.5	20.3
4 11	15 6.39	−17 7.5	1.569	2.500	10.7	20.0
4 21	14 59.57	−16 23.3	1.519	2.500	6.4	19.8
5 1	14 51.29	−15 31.4	1.494	2.500	1.7	19.5
5 11	14 42.64	−14 37.2	1.496	2.500	3.1	19.6
5 21	14 34.73	−13 46.4	1.524	2.501	7.8	19.9
5 31	14 28.51	−13 4.7	1.576	2.501	12.0	20.1
6 10	14 24.63	−12 36.1	1.648	2.502	15.6	20.3

145945 1999 XF_{127} 5 4.8 212.°98 0.°3/ 4.5 17

4 1	15 14.40	−20 34.9	2.169	3.002	12.4	20.1
4 11	15 8.47	−19 15.8	2.075	2.993	9.3	19.9
4 21	15 0.63	−17 41.9	2.007	2.983	5.6	19.6
5 1	14 51.57	−15 56.9	1.967	2.973	1.5	19.3
5 11	14 42.20	−14 7.2	1.959	2.962	2.8	19.4
5 21	14 33.44	−12 20.1	1.980	2.950	6.9	19.6
5 31	14 26.09	−10 42.8	2.029	2.937	10.6	19.8
6 10	14 20.72	− 9 20.6	2.102	2.923	13.8	20.0

329264 1999 CL_{123} 5 4.8 132.°73 0.°6/ 5.2 17

4 1	15 17.89	−17 58.0	2.081	2.915	12.8	20.6
4 11	15 11.02	−18 7.6	2.012	2.929	9.5	20.4
4 21	15 2.12	−18 9.8	1.968	2.943	5.8	20.2
5 1	14 51.97	−18 5.5	1.951	2.956	1.8	19.9
5 11	14 41.56	−17 56.7	1.964	2.968	2.5	20.0
5 21	14 31.86	−17 46.2	2.005	2.980	6.4	20.3
5 31	14 23.72	−17 37.5	2.073	2.991	9.9	20.5
6 10	14 17.71	−17 33.7	2.164	3.002	12.9	20.7

105498 2000 QM_{230} 5 4.8 161.°38 0.°9/ 5.5 18

4 1	15 12.57	−19 31.0	2.689	3.517	10.4	19.9
4 11	15 6.82	−19 37.5	2.608	3.521	7.8	19.8
4 21	14 59.52	−19 37.3	2.552	3.525	4.8	19.6
5 1	14 51.25	−19 31.0	2.525	3.528	1.7	19.4
5 11	14 42.72	−19 20.2	2.527	3.532	2.0	19.4
5 21	14 34.63	−19 7.3	2.559	3.534	5.1	19.6
5 31	14 27.66	−18 55.0	2.618	3.537	8.1	19.8
6 10	14 22.28	−18 46.0	2.701	3.539	10.6	20.0

416311 2003 SA_{51} 5 4.8 209.°88 0.°9/ 4.1 16

4 1	15 14.91	−15 47.8	2.010	2.856	12.8	22.1
4 11	15 9.01	−15 14.0	1.924	2.849	9.5	21.9
4 21	15 1.04	−14 32.0	1.862	2.841	5.6	21.7
5 1	14 51.70	−13 44.6	1.827	2.833	1.6	21.4
5 11	14 41.96	−12 56.0	1.821	2.824	3.1	21.5
5 21	14 32.79	−12 11.1	1.843	2.814	7.3	21.7
5 31	14 25.09	−11 34.4	1.892	2.803	11.1	21.9
6 10	14 19.48	−11 9.3	1.962	2.791	14.4	22.1

10908 Kallestroetzel 5 4.8 199.°37 0.°2/ 4.6 18

4 1	15 10.65	−16 34.1	2.760	3.597	9.9	18.9
4 11	15 5.37	−16 17.1	2.673	3.594	7.3	18.7
4 21	14 58.65	−15 54.3	2.613	3.590	4.4	18.5
5 1	14 51.01	−15 27.4	2.580	3.586	1.2	18.3
5 11	14 43.12	−14 59.0	2.578	3.581	2.1	18.4
5 21	14 35.64	−14 31.7	2.604	3.576	5.3	18.6
5 31	14 29.18	−14 8.6	2.658	3.571	8.2	18.8
6 10	14 24.20	−13 52.1	2.736	3.565	10.8	18.9

425278 2009 WD_{177} 5 4.8 165.°13 4.°0/ 7.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
4 1	15 13.78	−29 24.1	1.981	2.791	14.3	21.7
4 11	15 8.34	−29 20.9	1.900	2.793	11.3	21.5
4 21	15 0.70	−29 0.4	1.842	2.795	8.0	21.3
5 1	14 51.63	−28 22.2	1.808	2.797	5.0	21.1
5 11	14 42.20	−27 28.7	1.802	2.798	4.2	21.1
5 21	14 33.48	−26 24.9	1.823	2.800	6.8	21.2
5 31	14 26.41	−25 17.6	1.870	2.801	10.1	21.4
6 10	14 21.61	−24 13.4	1.940	2.801	13.3	21.6

483014 2014 UJ_{170} 5 4.8 198.°82 0.°1/ 4.9 18

4 1	15 3.49	−17 41.9	4.611	5.443	6.3	21.0
4 11	14 59.68	−17 31.4	4.525	5.442	4.7	20.9
4 21	14 55.09	−17 17.3	4.465	5.441	2.8	20.7
5 1	14 50.02	−17 0.5	4.434	5.439	0.8	20.5
5 11	14 44.83	−16 42.4	4.434	5.438	1.2	20.6
5 21	14 39.86	−16 24.4	4.463	5.437	3.2	20.7
5 31	14 35.43	−16 8.1	4.521	5.435	5.1	20.9
6 10	14 31.83	−15 54.9	4.604	5.434	6.7	21.0

422115 2014 QY_{413} 5 4.8 120.°65 1.°1/ 4.0 16

4 1	15 16.08	−15 27.8	1.747	2.598	14.1	22.4
4 11	15 9.86	−14 51.5	1.687	2.615	10.4	22.2
4 21	15 1.48	−14 7.3	1.651	2.631	6.1	22.0
5 1	14 51.82	−13 18.7	1.641	2.647	1.8	21.7
5 11	14 41.99	−12 30.9	1.660	2.662	3.4	21.9
5 21	14 33.04	−11 48.9	1.705	2.676	7.7	22.1
5 31	14 25.86	−11 17.1	1.776	2.690	11.5	22.4
6 10	14 20.98	−10 58.2	1.869	2.703	14.8	22.6

521044 2015 DV_{235} 5 4.8 275.°85 3.°4/ 2.5 17

4 1	15 11.62	− 8 43.2	1.846	2.709	12.9	21.2
4 11	15 6.67	− 8 5.9	1.771	2.704	9.6	20.9
4 21	14 59.68	− 7 26.5	1.718	2.698	6.0	20.7
5 1	14 51.36	− 6 49.4	1.692	2.692	3.5	20.5
5 11	14 42.67	− 6 19.2	1.694	2.686	5.1	20.6
5 21	14 34.58	− 6 0.0	1.721	2.680	8.7	20.8
5 31	14 27.95	− 5 54.5	1.773	2.674	12.3	21.0
6 10	14 23.41	− 6 3.9	1.845	2.668	15.4	21.2

497355 2005 UJ_{187} 5 4.8 200.°24 0.°2/ 4.6 17

4 1	15 13.16	−17 38.3	2.266	3.105	11.7	23.3
4 11	15 7.52	−17 8.9	2.180	3.101	8.7	23.0
4 21	15 0.07	−16 31.0	2.119	3.097	5.2	22.8
5 1	14 51.45	−15 47.0	2.086	3.092	1.4	22.5
5 11	14 42.52	−15 0.3	2.082	3.086	2.5	22.6
5 21	14 34.12	−14 15.1	2.107	3.079	6.3	22.8
5 31	14 27.01	−13 35.8	2.158	3.072	9.8	23.0
6 10	14 21.75	−13 5.7	2.233	3.065	12.8	23.2

306006 2010 CE_{31} 5 4.8 329.°49 4.°1/ 6.5 17

4 1	15 13.82	−23 26.0	1.127	1.991	19.3	20.1
4 11	15 9.87	−24 4.4	1.052	1.980	15.1	19.8
4 21	15 2.37	−24 27.1	0.995	1.969	10.1	19.5
5 1	14 52.25	−24 31.6	0.960	1.960	5.3	19.2
5 11	14 41.12	−24 18.7	0.948	1.951	5.0	19.2
5 21	14 30.84	−23 53.2	0.958	1.943	9.8	19.4
5 31	14 23.09	−23 23.2	0.989	1.935	15.1	19.6
6 10	14 18.93	−22 57.3	1.038	1.929	19.8	19.9

111064 2001 VM_{45} 5 4.8 260.°73 4.°0/ 2.2 18

4 1	15 14.01	− 6 42.5	1.920	2.778	12.8	18.9
4 11	15 8.50	− 6 11.1	1.831	2.760	9.6	18.6
4 21	15 0.84	− 5 39.3	1.766	2.742	6.2	18.4
5 1	14 51.72	− 5 11.3	1.728	2.724	4.0	18.2
5 11	14 42.08	− 4 51.6	1.717	2.705	5.5	18.3
5 21	14 32.91	− 4 43.6	1.733	2.686	9.0	18.4
5 31	14 25.16	− 4 49.8	1.774	2.667	12.7	18.6
6 10	14 19.51	− 5 11.0	1.835	2.647	15.9	18.8

141804 2002 NJ_{36} 5 4.8 220.°07 0.°8/ 4.2 18

4 1	15 13.55	−16 59.8	1.983	2.830	12.9	20.6
4 11	15 8.06	−16 14.6	1.896	2.821	9.5	20.4
4 21	15 0.51	−15 19.3	1.832	2.811	5.7	20.1
5 1	14 51.61	−14 17.0	1.796	2.801	1.6	19.8
5 11	14 42.30	−13 12.6	1.788	2.790	3.1	19.9
5 21	14 33.56	−12 11.9	1.808	2.779	7.3	20.1
5 31	14 26.29	−11 20.0	1.854	2.767	11.2	20.3
6 10	14 21.10	−10 41.2	1.922	2.754	14.5	20.5

303891 2005 TB_{96} 5 4.8 49.°80 1.°9/ 6.3 17

4 1	15 11.00	−22 42.6	2.213	3.045	12.3	21.0
4 11	15 5.98	−22 45.9	2.140	3.052	9.3	20.8
4 21	14 59.16	−22 38.7	2.090	3.059	6.0	20.6
5 1	14 51.21	−22 21.9	2.066	3.067	2.8	20.4
5 11	14 42.98	−21 57.5	2.071	3.074	2.6	20.4
5 21	14 35.34	−21 29.1	2.103	3.082	5.8	20.6
5 31	14 29.04	−21 0.5	2.162	3.090	9.1	20.8
6 10	14 24.61	−20 35.9	2.244	3.098	11.9	21.0

2020	α_{2000}	δ_{2000}	Δ	r	β	V
242714 2005 UD_{76}			5 4.8 166.°95	4.°7/ 9.0 18		
	h m	° ′			°	m
4 1	15 12.63	−33 2.9	2.655	3.434	11.9	20.4
4 11	15 7.13	−33 23.7	2.569	3.435	9.7	20.3
4 21	14 59.85	−33 30.2	2.506	3.437	7.4	20.1
5 1	14 51.41	−33 21.2	2.469	3.438	5.4	20.0
5 11	14 42.64	−32 57.4	2.459	3.440	4.8	19.9
5 21	14 34.37	−32 21.6	2.477	3.441	6.1	20.0
5 31	14 27.36	−31 37.8	2.522	3.442	8.3	20.2
6 10	14 22.16	−30 51.3	2.591	3.442	10.6	20.3
470519 2008 CU_{151}			5 4.8 138.°51	3.°7/ 8.2 18		
4 1	15 11.81	−29 56.6	2.528	3.325	11.9	21.4
4 11	15 6.49	−30 1.6	2.447	3.330	9.5	21.3
4 21	14 59.43	−29 52.8	2.388	3.335	6.8	21.1
5 1	14 51.29	−29 29.8	2.356	3.340	4.5	21.0
5 11	14 42.88	−28 54.4	2.352	3.345	3.9	20.9
5 21	14 35.01	−28 9.7	2.377	3.349	5.7	21.1
5 31	14 28.42	−27 20.5	2.428	3.353	8.3	21.2
6 10	14 23.62	−26 31.7	2.503	3.357	10.9	21.4
250551 2004 RM_{123}			5 4.8 341.°21	2.°0/ 6.9 17		
4 1	15 8.68	−26 54.4	2.189	3.011	12.7	19.4
4 11	15 4.32	−25 58.0	2.103	3.008	9.8	19.2
4 21	14 58.18	−24 44.4	2.040	3.005	6.4	19.0
5 1	14 50.94	−23 15.9	2.004	3.003	3.1	18.8
5 11	14 43.47	−21 37.4	1.996	3.000	2.6	18.8
5 21	14 36.62	−19 55.4	2.018	2.998	5.9	19.0
5 31	14 31.12	−18 17.1	2.066	2.996	9.3	19.2
6 10	14 27.47	−16 48.6	2.139	2.994	12.4	19.4
350732 2001 XF_{223}			5 4.8 164.°67	1.°1/ 3.9 18		
4 1	15 11.69	−13 5.3	2.631	3.475	10.2	21.4
4 11	15 6.15	−12 53.6	2.554	3.478	7.5	21.2
4 21	14 59.14	−12 38.5	2.503	3.482	4.4	21.0
5 1	14 51.21	−12 21.8	2.480	3.485	1.5	20.8
5 11	14 43.05	−12 6.1	2.486	3.487	2.6	20.9
5 21	14 35.35	−11 53.7	2.522	3.490	5.7	21.1
5 31	14 28.73	−11 46.9	2.585	3.492	8.6	21.3
6 10	14 23.67	−11 47.4	2.671	3.493	11.2	21.4
281578 2008 UM_{127}			5 4.8 246.°35	1.°9/ 6.5 18		
4 1	15 11.03	−25 1.8	2.078	2.906	13.1	20.4
4 11	15 6.19	−24 24.4	1.989	2.898	10.0	20.2
4 21	14 59.39	−23 31.4	1.922	2.891	6.5	19.9
5 1	14 51.31	−22 24.4	1.882	2.883	2.9	19.7
5 11	14 42.88	−21 7.5	1.871	2.875	2.7	19.6
5 21	14 35.05	−19 46.6	1.887	2.867	6.3	19.8
5 31	14 28.65	−18 28.3	1.930	2.858	10.0	20.1
6 10	14 24.27	−17 18.6	1.996	2.850	13.2	20.2
363240 2002 AA_{31}			5 4.8 54.°62	0.°5/ 5.1 18		
4 1	15 14.23	−19 34.1	1.227	2.094	17.9	20.9
4 11	15 9.29	−19 10.0	1.176	2.109	13.3	20.6
4 21	15 1.46	−18 31.4	1.144	2.125	8.0	20.4
5 1	14 51.88	−17 41.6	1.135	2.141	2.4	20.1
5 11	14 42.05	−16 47.0	1.151	2.157	3.4	20.2
5 21	14 33.42	−15 54.9	1.192	2.174	8.8	20.6
5 31	14 27.10	−15 12.6	1.255	2.190	13.5	20.9
6 10	14 23.72	−14 44.6	1.337	2.207	17.5	21.2
164400 2005 GN_{59}			5 4.8 136.°29	0.°4/ 4.5 18 R		
4 1	15 30.10	−19 20.4	1.416	2.248	17.8	20.7
4 11	15 20.46	−18 20.3	1.360	2.277	13.2	20.5
4 21	15 7.86	−17 4.4	1.327	2.303	7.8	20.3
5 1	14 53.60	−15 37.5	1.321	2.326	2.1	20.0
5 11	14 39.35	−14 7.8	1.344	2.348	3.7	20.1
5 21	14 26.64	−12 44.5	1.396	2.366	9.1	20.5
5 31	14 16.60	−11 35.8	1.474	2.383	13.8	20.8
6 10	14 9.80	−10 46.1	1.572	2.397	17.6	21.1
499215 2009 UP_{46}			5 4.8 195.°10	0.°2/ 4.7 17		
4 1	15 16.51	−15 34.1	2.170	3.009	12.2	22.1
4 11	15 10.10	−15 40.8	2.086	3.007	9.1	21.9
4 21	15 1.69	−15 42.4	2.027	3.005	5.4	21.7
5 1	14 51.96	−15 39.8	1.996	3.002	1.5	21.4
5 11	14 41.82	−15 35.1	1.994	2.998	2.6	21.5
5 21	14 32.22	−15 30.8	2.021	2.994	6.5	21.7
5 31	14 24.01	−15 29.7	2.074	2.989	10.1	21.9
6 10	14 17.81	−15 34.5	2.151	2.984	13.1	22.1
78941 2003 SN_{169}			5 4.8 129.°27	3.°6/ 2.4 18		
4 1	15 13.84	− 9 54.2	1.635	2.500	14.2	19.9
4 11	15 8.38	− 8 57.2	1.574	2.508	10.5	19.6
4 21	15 0.70	− 7 56.3	1.535	2.515	6.5	19.4
5 1	14 51.66	− 6 57.3	1.523	2.523	3.7	19.3
5 11	14 42.37	− 6 6.5	1.538	2.530	5.5	19.4
5 21	14 33.91	− 5 28.8	1.578	2.537	9.3	19.6
5 31	14 27.19	− 5 7.9	1.643	2.543	13.1	19.9
6 10	14 22.78	− 5 4.7	1.727	2.549	16.3	20.1

2020	α_{2000}	δ_{2000}	Δ	r	β	V
20185 1997 AC_{7}			5 4.8 73.°22	7.°4/29.3 18		
	h m	° ′			°	m
4 1	15 11.16	+ 1 16.8	1.775	2.637	13.4	17.8
4 11	15 6.20	+ 2 29.2	1.723	2.645	10.5	17.7
4 21	14 59.31	+ 3 34.6	1.695	2.653	8.2	17.5
5 1	14 51.27	+ 4 26.2	1.692	2.661	7.4	17.5
5 11	14 43.03	+ 4 58.4	1.714	2.669	8.8	17.6
5 21	14 35.54	+ 5 8.4	1.761	2.677	11.4	17.8
5 31	14 29.57	+ 4 55.7	1.830	2.685	14.1	18.0
6 10	14 25.65	+ 4 22.6	1.918	2.693	16.6	18.2
310577 2001 TX_{32}			5 4.8 121.°53	2.°3/ 6.7 18		
4 1	15 18.10	−31 52.3	1.046	1.886	22.2	20.2
4 11	15 12.68	−29 35.5	0.979	1.894	17.3	20.0
4 21	15 3.65	−26 32.2	0.931	1.902	11.3	19.6
5 1	14 52.49	−22 49.3	0.908	1.909	4.7	19.3
5 11	14 41.19	−18 45.9	0.910	1.916	3.9	19.3
5 21	14 31.58	−14 47.5	0.940	1.923	10.3	19.6
5 31	14 24.95	−11 17.5	0.994	1.929	16.3	20.0
6 10	14 21.87	− 8 29.3	1.069	1.935	21.2	20.3
230906 2004 TX_{89}			5 4.8 179.°01	2.°4/ 2.8 17		
4 1	15 12.12	−10 52.4	2.308	3.158	11.1	21.9
4 11	15 6.63	−10 11.1	2.232	3.160	8.2	21.7
4 21	14 59.49	− 9 26.3	2.182	3.161	5.0	21.5
5 1	14 51.32	− 8 41.5	2.160	3.161	2.5	21.3
5 11	14 42.91	− 8 0.7	2.167	3.161	3.9	21.4
5 21	14 35.03	− 7 27.6	2.202	3.161	7.0	21.6
5 31	14 28.38	− 7 5.1	2.263	3.160	10.2	21.8
6 10	14 23.47	− 6 54.9	2.347	3.158	12.9	22.0
250969 2006 HF_{26}			5 4.8 259.°85	1.°7/ 3.7 18		
4 1	15 15.23	−13 51.1	1.751	2.606	13.9	21.4
4 11	15 9.73	−13 20.0	1.654	2.584	10.4	21.1
4 21	15 1.77	−12 41.2	1.581	2.561	6.3	20.8
5 1	14 52.06	−11 57.7	1.533	2.538	2.2	20.5
5 11	14 41.64	−11 14.5	1.513	2.514	4.0	20.6
5 21	14 31.71	−10 36.6	1.520	2.490	8.6	20.8
5 31	14 23.35	−10 9.2	1.552	2.464	13.0	21.0
6 10	14 17.37	− 9 55.9	1.604	2.439	16.8	21.2
6590 Barolo			5 4.8 181.°94	3.°8/ 8.2 18		
4 1	15 12.20	−30 3.8	2.538	3.333	11.9	17.9
4 11	15 6.81	−30 7.2	2.451	3.334	9.5	17.7
4 21	14 59.67	−29 56.7	2.387	3.334	6.9	17.5
5 1	14 51.40	−29 31.8	2.350	3.334	4.5	17.4
5 11	14 42.82	−28 54.1	2.341	3.333	3.9	17.3
5 21	14 34.76	−28 7.0	2.360	3.333	5.7	17.4
5 31	14 27.97	−27 15.1	2.406	3.332	8.4	17.6
6 10	14 22.99	−26 23.6	2.477	3.330	11.0	17.8
233559 Pizzetti			5 4.8 330.°05	7.°7/28.7 17		
4 1	15 8.12	− 0 27.5	1.606	2.480	13.9	19.6
4 11	15 4.32	+ 1 3.5	1.540	2.470	11.0	19.4
4 21	14 58.39	+ 2 31.1	1.497	2.461	8.5	19.2
5 1	14 51.06	+ 3 46.6	1.478	2.452	7.8	19.2
5 11	14 43.36	+ 4 42.1	1.484	2.443	9.6	19.2
5 21	14 36.31	+ 5 12.8	1.513	2.435	12.5	19.4
5 31	14 30.80	+ 5 16.7	1.564	2.427	15.7	19.6
6 10	14 27.47	+ 4 55.2	1.632	2.421	18.5	19.7
471883 2013 AS_{111}			5 4.8 147.°83	0.°0/ 4.6 17		
4 1	15 10.02	−17 31.2	2.887	3.722	9.6	22.6
4 11	15 4.82	−17 9.5	2.811	3.730	7.1	22.4
4 21	14 58.30	−16 41.6	2.762	3.738	4.2	22.2
5 1	14 50.99	−16 9.5	2.741	3.746	1.2	22.0
5 11	14 43.51	−15 35.7	2.749	3.753	1.9	22.1
5 21	14 36.48	−15 3.0	2.787	3.760	4.9	22.3
5 31	14 30.44	−14 34.2	2.853	3.767	7.7	22.5
6 10	14 25.82	−14 11.9	2.943	3.773	10.1	22.7
263257 2008 BV_{15}			5 4.8 87.°73	0.°6/ 4.4 18		
4 1	15 14.72	−16 42.2	1.563	2.421	15.2	20.9
4 11	15 9.14	−16 13.7	1.505	2.435	11.2	20.7
4 21	15 1.19	−15 35.7	1.469	2.450	6.6	20.5
5 1	14 51.82	−14 51.7	1.459	2.465	1.8	20.2
5 11	14 42.22	−14 6.7	1.475	2.479	3.3	20.3
5 21	14 33.57	−13 26.2	1.518	2.494	7.9	20.7
5 31	14 26.81	−12 55.3	1.585	2.508	12.1	20.9
6 10	14 22.52	−12 37.2	1.673	2.522	15.6	21.2
436242 2010 AH_{90}			5 4.8 26.°04	11.°2/26.9 17		
4 1	15 12.16	+13 24.5	1.810	2.644	14.5	20.6
4 11	15 6.93	+14 30.3	1.766	2.648	12.6	20.5
4 21	14 59.75	+15 18.3	1.743	2.653	11.4	20.4
5 1	14 51.40	+15 41.5	1.743	2.657	11.3	20.4
5 11	14 42.89	+15 35.8	1.766	2.662	12.3	20.5
5 21	14 35.14	+15 0.9	1.811	2.667	14.1	20.6
5 31	14 28.96	+13 59.0	1.876	2.673	16.1	20.8
6 10	14 24.87	+12 35.0	1.958	2.679	18.0	20.9

232164 2002 CT_{299} 5 4.8 159°.64 0°.7/ 4.1 18 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
4 1	15 12.32	−17 17.9	2.366	3.205	11.3	20.6
4 11	15 6.72	−16 23.7	2.291	3.213	8.3	20.4
4 21	14 59.51	−15 20.9	2.241	3.220	4.9	20.2
5 1	14 51.33	−14 12.8	2.220	3.226	1.4	20.0
5 11	14 42.98	−13 3.9	2.229	3.231	2.7	20.1
5 21	14 35.21	−11 59.2	2.267	3.236	6.2	20.3
5 31	14 28.71	−11 3.0	2.332	3.240	9.4	20.5
6 10	14 23.94	−10 18.4	2.421	3.244	12.2	20.7

302042 2000 ST_{314} 5 4.8 268°.64 3°.3/ 7.9 17

4 1	15 10.51	−29 30.9	2.356	3.160	12.5	20.7
4 11	15 5.73	−29 8.5	2.256	3.147	9.9	20.5
4 21	14 59.11	−28 29.7	2.180	3.133	7.0	20.3
5 1	14 51.26	−27 34.8	2.129	3.119	4.2	20.1
5 11	14 43.05	−26 26.4	2.107	3.105	3.5	20.0
5 21	14 35.35	−25 9.2	2.113	3.091	5.9	20.1
5 31	14 28.95	−23 49.2	2.147	3.076	9.0	20.3
6 10	14 24.42	−22 32.7	2.204	3.062	12.0	20.5

250521 2004 PT 5 4.8 282°.48 4°.2/ 8.9 18

4 1	15 10.73	−32 38.6	2.454	3.242	12.5	20.1
4 11	15 5.94	−32 21.1	2.345	3.221	10.2	19.9
4 21	14 59.27	−31 45.8	2.258	3.199	7.5	19.7
5 1	14 51.32	−30 52.2	2.197	3.177	5.1	19.5
5 11	14 42.96	−29 42.2	2.164	3.154	4.3	19.5
5 21	14 35.06	−28 20.2	2.159	3.132	6.1	19.5
5 31	14 28.44	−26 52.2	2.181	3.109	9.0	19.7
6 10	14 23.71	−25 24.9	2.228	3.087	11.8	19.8

36252 1999 VS_{190} 5 4.8 135°.70 1°.6/ 3.6 18

4 1	15 11.01	−14 7.9	1.988	2.844	12.5	19.5
4 11	15 6.08	−13 27.9	1.916	2.846	9.1	19.3
4 21	14 59.27	−12 41.5	1.868	2.849	5.4	19.1
5 1	14 51.30	−11 52.1	1.847	2.852	1.9	18.8
5 11	14 43.07	−11 4.4	1.854	2.854	3.5	19.0
5 21	14 35.45	−10 23.0	1.888	2.856	7.2	19.2
5 31	14 29.24	− 9 51.7	1.947	2.858	10.8	19.4
6 10	14 24.98	− 9 33.1	2.028	2.861	13.9	19.6

482298 2011 UG_{53} 5 4.8 287°.80 0°.9/ 5.5 18

4 1	15 11.15	−19 58.9	2.177	3.017	12.1	21.4
4 11	15 6.34	−19 51.5	2.076	2.995	9.2	21.2
4 21	14 59.57	−19 34.8	1.999	2.974	5.7	20.9
5 1	14 51.43	−19 9.6	1.948	2.952	2.0	20.6
5 11	14 42.78	−18 38.6	1.926	2.931	2.4	20.6
5 21	14 34.52	−18 5.3	1.931	2.909	6.3	20.8
5 31	14 27.52	−17 34.1	1.962	2.887	10.0	21.0
6 10	14 22.42	−17 9.0	2.016	2.865	13.3	21.2

505153 2012 PZ_{21} 5 4.8 196°.74 3°.5/ 1.6 17

4 1	15 10.73	− 7 30.8	2.362	3.217	10.8	22.2
4 11	15 5.60	− 6 33.7	2.286	3.214	8.0	22.0
4 21	14 58.89	− 5 35.0	2.236	3.211	5.2	21.8
5 1	14 51.19	− 4 39.0	2.213	3.208	3.5	21.7
5 11	14 43.25	− 3 50.2	2.220	3.204	4.9	21.8
5 21	14 35.80	− 3 12.3	2.254	3.199	7.7	21.9
5 31	14 29.50	− 2 48.0	2.314	3.194	10.6	22.1
6 10	14 24.85	− 2 38.5	2.395	3.189	13.1	22.3

473279 2015 NG_{12} 5 4.8 35°.49 13°.4/23.2 18

4 1	15 12.22	+23 47.1	2.034	2.819	14.8	20.2
4 11	15 6.82	+24 59.5	2.005	2.826	13.8	20.2
4 21	14 59.60	+25 48.0	1.996	2.834	13.4	20.1
5 1	14 51.36	+26 6.5	2.007	2.842	13.6	20.2
5 11	14 43.05	+25 52.0	2.040	2.851	14.3	20.2
5 21	14 35.53	+25 5.3	2.091	2.860	15.5	20.3
5 31	14 29.53	+23 49.8	2.160	2.869	16.7	20.5
6 10	14 25.50	+22 11.0	2.245	2.878	18.0	20.6

102246 1999 TV_{26} 5 4.8 215°.01 0°.8/ 5.4 17

4 1	15 15.47	−20 3.8	2.008	2.843	13.2	20.8
4 11	15 9.56	−19 48.1	1.918	2.836	9.9	20.5
4 21	15 1.49	−19 21.7	1.852	2.827	6.1	20.3
5 1	14 51.96	−18 45.7	1.813	2.818	2.1	20.0
5 11	14 41.97	−18 3.6	1.803	2.808	2.6	20.0
5 21	14 32.55	−17 19.8	1.821	2.797	6.8	20.2
5 31	14 24.63	−16 39.3	1.864	2.786	10.7	20.5
6 10	14 18.87	−16 6.8	1.931	2.774	14.1	20.6

330516 2007 RZ_{302} 5 4.8 207°.70 0°.9/ 3.6 18

4 1	15 5.86	−13 2.2	4.026	4.866	7.0	21.8
4 11	15 1.52	−12 40.5	3.937	4.860	5.1	21.6
4 21	14 56.27	−12 16.2	3.875	4.854	3.0	21.5
5 1	14 50.45	−11 50.9	3.843	4.847	1.1	21.3
5 11	14 44.47	−11 26.4	3.841	4.841	1.9	21.4
5 21	14 38.75	−11 4.4	3.869	4.834	4.1	21.5
5 31	14 33.67	−10 46.8	3.925	4.826	6.1	21.7
6 10	14 29.53	−10 34.8	4.006	4.819	7.9	21.8

320066 2007 EA_{40} 5 4.8 319°.06 0°.5/ 5.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
4 1	15 4.79	−19 5.0	3.984	4.813	7.3	20.3
4 11	15 0.81	−19 2.4	3.891	4.806	5.4	20.2
4 21	14 55.88	−18 55.2	3.825	4.799	3.3	20.0
5 1	14 50.35	−18 44.3	3.788	4.792	1.1	19.9
5 11	14 44.64	−18 30.9	3.780	4.785	1.4	19.9
5 21	14 39.17	−18 16.8	3.802	4.778	3.6	20.0
5 31	14 34.34	−18 3.6	3.851	4.771	5.7	20.2
6 10	14 30.47	−17 53.1	3.926	4.764	7.6	20.3

149433 2003 BL_{66} 5 4.8 19°.21 9°.7/27.8 18

4 1	15 10.08	+ 3 57.4	1.475	2.346	15.2	18.9
4 11	15 5.79	+ 5 33.6	1.427	2.348	12.4	18.8
4 21	14 59.24	+ 6 59.7	1.400	2.351	10.2	18.6
5 1	14 51.32	+ 8 6.0	1.397	2.355	9.9	18.6
5 11	14 43.14	+ 8 45.4	1.417	2.359	11.4	18.7
5 21	14 35.80	+ 8 54.5	1.459	2.364	14.1	18.9
5 31	14 30.20	+ 8 33.8	1.522	2.369	16.9	19.1
6 10	14 26.92	+ 7 47.1	1.600	2.374	19.4	19.3

269576 2009 WT_{198} 5 4.8 104°.23 1°.3/ 3.3 18

4 1	15 6.65	−12 12.1	3.531	4.375	7.8	21.9
4 11	15 2.11	−11 41.8	3.469	4.394	5.7	21.8
4 21	14 56.60	−11 9.1	3.434	4.412	3.4	21.6
5 1	14 50.54	−10 36.1	3.427	4.431	1.4	21.5
5 11	14 44.40	−10 5.1	3.451	4.449	2.3	21.6
5 21	14 38.62	− 9 38.3	3.504	4.466	4.6	21.8
5 31	14 33.62	− 9 17.3	3.585	4.484	6.7	21.9
6 10	14 29.70	− 9 3.5	3.691	4.501	8.6	22.1

51369 2000 WD_{158} 5 4.8 107°.40 3°.6/ 2.7 18

4 1	15 15.65	− 5 57.5	1.995	2.848	12.5	17.8
4 11	15 9.36	− 5 45.8	1.934	2.860	9.3	17.6
4 21	15 1.18	− 5 35.9	1.896	2.871	6.0	17.4
5 1	14 51.85	− 5 31.1	1.886	2.883	3.7	17.3
5 11	14 42.30	− 5 34.0	1.904	2.894	4.9	17.4
5 21	14 33.47	− 5 46.8	1.950	2.905	8.1	17.6
5 31	14 26.12	− 6 10.3	2.021	2.915	11.3	17.8
6 10	14 20.80	− 6 44.6	2.114	2.926	14.1	18.1

223252 2003 FQ_{72} 5 4.8 319°.59 6°.5/30.5 17 R

4 1	15 11.75	− 1 49.3	1.682	2.549	13.8	19.8
4 11	15 6.88	− 0 50.1	1.618	2.547	10.6	19.5
4 21	14 59.88	+ 0 5.2	1.576	2.544	7.7	19.4
5 1	14 51.51	+ 0 50.1	1.560	2.542	6.5	19.3
5 11	14 42.82	+ 1 18.7	1.569	2.540	8.0	19.4
5 21	14 34.82	+ 1 27.4	1.603	2.538	11.0	19.5
5 31	14 28.41	+ 1 15.0	1.659	2.536	14.3	19.7
6 10	14 24.20	+ 0 42.6	1.735	2.534	17.2	19.9

189590 2000 WP_{24} 5 4.8 264°.47 2°.7/ 2.7 18

4 1	15 12.38	−11 11.2	2.089	2.943	12.0	20.7
4 11	15 7.24	−10 23.0	1.989	2.919	8.9	20.4
4 21	15 0.12	− 9 29.0	1.915	2.894	5.5	20.2
5 1	14 51.62	− 8 33.2	1.867	2.869	2.8	19.9
5 11	14 42.61	− 7 40.6	1.848	2.843	4.4	20.0
5 21	14 33.99	− 6 56.1	1.857	2.816	8.1	20.2
5 31	14 26.64	− 6 23.9	1.891	2.789	11.7	20.3
6 10	14 21.21	− 6 6.5	1.946	2.762	15.0	20.5

248670 2006 JV_{25} 5 4.8 335°.00 6°.3/25.0 18

4 1	15 3.67	+13 41.6	3.853	4.667	7.8	20.0
4 11	14 59.96	+14 30.9	3.797	4.662	6.9	20.0
4 21	14 55.35	+15 11.5	3.765	4.657	6.3	19.9
5 1	14 50.22	+15 40.2	3.760	4.652	6.4	19.9
5 11	14 44.96	+15 55.0	3.779	4.648	7.1	19.9
5 21	14 39.98	+15 54.9	3.824	4.643	8.1	20.0
5 31	14 35.65	+15 39.8	3.890	4.639	9.2	20.1
6 10	14 32.27	+15 10.8	3.976	4.634	10.3	20.2

414119 2007 UN_{63} 5 4.8 240°.02 0°.3/ 4.6 17

4 1	15 15.33	−17 41.9	1.807	2.654	13.9	22.5
4 11	15 9.72	−17 12.1	1.714	2.639	10.4	22.2
4 21	15 1.73	−16 31.4	1.645	2.623	6.3	22.0
5 1	14 52.09	−15 42.2	1.601	2.607	1.7	21.6
5 11	14 41.87	−14 48.8	1.585	2.590	3.1	21.7
5 21	14 32.20	−13 57.0	1.597	2.572	7.7	21.9
5 31	14 24.14	−13 12.4	1.634	2.553	12.0	22.1
6 10	14 18.42	−12 39.8	1.693	2.534	15.8	22.3

168955 2001 AV_{44} 5 4.8 96°.63 3°.6/ 2.6 18

4 1	15 16.28	− 8 52.6	1.604	2.466	14.6	20.2
4 11	15 10.09	− 8 11.5	1.554	2.486	10.7	20.0
4 21	15 1.69	− 7 28.9	1.527	2.506	6.7	19.8
5 1	14 51.99	− 6 49.9	1.526	2.526	3.7	19.7
5 11	14 42.18	− 6 19.4	1.552	2.545	5.4	19.8
5 21	14 33.34	− 6 1.5	1.604	2.563	9.1	20.1
5 31	14 26.34	− 5 58.3	1.680	2.582	12.8	20.3
6 10	14 21.73	− 6 10.4	1.777	2.599	15.9	20.6

54615 2000 RF_{87} 5 4.8 356.°65 6.°2/ 7.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
4 1	15 11.91	−27 6.7	1.236	2.087	18.8	17.6
4 11	15 8.24	−28 8.3	1.166	2.082	15.0	17.4
4 21	15 1.32	−28 52.6	1.115	2.078	10.8	17.1
5 1	14 52.04	−29 15.8	1.085	2.075	7.1	16.9
5 11	14 41.95	−29 17.2	1.078	2.074	6.5	16.8
5 21	14 32.70	−29 0.3	1.094	2.074	9.6	17.0
5 31	14 25.83	−28 32.6	1.131	2.075	13.8	17.2
6 10	14 22.26	−28 2.7	1.187	2.078	17.8	17.5

107351 2001 CK_{26} 5 4.8 103.°28 3.°1/ 2.9 18

4 1	15 14.93	−10 36.6	1.607	2.470	14.5	20.1
4 11	15 9.20	− 9 53.9	1.550	2.484	10.7	19.9
4 21	15 1.22	− 9 7.6	1.517	2.497	6.5	19.7
5 1	14 51.88	− 8 22.5	1.509	2.510	3.2	19.5
5 11	14 42.35	− 7 44.1	1.528	2.523	5.0	19.6
5 21	14 33.70	− 7 17.0	1.573	2.536	8.9	19.9
5 31	14 26.87	− 7 4.3	1.642	2.548	12.7	20.2
6 10	14 22.40	− 7 7.1	1.731	2.560	16.0	20.4

168682 2000 FN_{54} 5 4.8 4.°45 0.°1/ 4.9 17

4 1	15 10.81	−18 18.9	1.950	2.799	12.9	20.3
4 11	15 6.07	−17 57.8	1.874	2.799	9.6	20.1
4 21	14 59.37	−17 27.4	1.821	2.800	5.8	19.9
5 1	14 51.40	−16 49.8	1.794	2.800	1.7	19.6
5 11	14 43.10	−16 9.1	1.795	2.800	2.6	19.7
5 21	14 35.42	−15 29.5	1.823	2.801	6.7	19.9
5 31	14 29.18	−14 55.6	1.877	2.801	10.4	20.2
6 10	14 24.96	−14 31.0	1.952	2.802	13.7	20.4

469296 1996 XB_{36} 5 4.8 185.°31 2.°1/ 2.9 17

4 1	15 9.39	−12 1.1	2.460	3.312	10.5	21.9
4 11	15 4.59	−11 12.0	2.383	3.312	7.7	21.7
4 21	14 58.30	−10 18.6	2.332	3.311	4.6	21.5
5 1	14 51.07	− 9 24.3	2.308	3.311	2.2	21.4
5 11	14 43.63	− 8 33.2	2.314	3.310	3.5	21.5
5 21	14 36.67	− 7 49.1	2.348	3.309	6.6	21.7
5 31	14 30.81	− 7 15.3	2.409	3.307	9.5	21.8
6 10	14 26.53	− 6 53.5	2.492	3.306	12.1	22.0

83497 2001 SV_{116} 5 4.8 106.°24 1.°0/ 3.9 18

4 1	15 9.99	−16 13.4	2.254	3.102	11.5	19.0
4 11	15 5.10	−15 23.5	2.186	3.113	8.4	18.8
4 21	14 58.60	−14 26.0	2.144	3.124	4.9	18.6
5 1	14 51.15	−13 24.6	2.129	3.134	1.5	18.4
5 11	14 43.54	−12 23.6	2.143	3.144	2.8	18.5
5 21	14 36.53	−11 27.7	2.185	3.154	6.3	18.8
5 31	14 30.78	−10 41.0	2.253	3.164	9.5	19.0
6 10	14 26.75	−10 6.0	2.344	3.174	12.3	19.2

26472 2000 AC_{162} 5 4.8 336.°13 2.°5/ 6.1 18

4 1	15 9.49	−22 20.6	1.232	2.099	17.8	17.1
4 11	15 6.32	−22 24.3	1.154	2.085	13.7	16.8
4 21	15 0.11	−22 11.2	1.094	2.072	8.9	16.5
5 1	14 51.71	−21 41.6	1.057	2.060	3.9	16.1
5 11	14 42.54	−20 59.2	1.043	2.049	3.8	16.1
5 21	14 34.12	−20 10.6	1.053	2.039	8.9	16.4
5 31	14 27.87	−19 24.1	1.083	2.030	14.1	16.6
6 10	14 24.69	−18 47.2	1.133	2.022	18.6	16.9

417451 2006 PP_{43} 5 4.8 278.°75 7.°1/ 1.6 18

4 1	15 20.96	+ 1 26.8	1.703	2.550	14.6	20.1
4 11	15 14.13	+ 1 43.4	1.606	2.521	11.6	19.8
4 21	15 4.56	+ 1 51.3	1.531	2.492	8.7	19.6
5 1	14 52.96	+ 1 44.7	1.483	2.462	7.1	19.4
5 11	14 40.47	+ 1 18.9	1.461	2.432	8.4	19.4
5 21	14 28.38	+ 0 32.1	1.466	2.401	11.8	19.6
5 31	14 17.94	− 0 35.4	1.495	2.370	15.6	19.7
6 10	14 10.05	− 2 1.0	1.544	2.338	19.2	19.9

296289 2009 DY_{77} 5 4.8 59.°22 3.°9/ 7.6 18

4 1	15 13.18	−27 54.4	2.141	2.953	13.3	20.5
4 11	15 7.85	−28 14.2	2.061	2.955	10.5	20.3
4 21	15 0.46	−28 20.2	2.003	2.957	7.4	20.1
5 1	14 51.72	−28 11.7	1.971	2.959	4.7	19.9
5 11	14 42.59	−27 49.8	1.966	2.962	4.1	19.9
5 21	14 34.05	−27 17.9	1.989	2.964	6.4	20.0
5 31	14 26.99	−26 40.7	2.038	2.966	9.5	20.2
6 10	14 22.01	−26 3.9	2.110	2.969	12.4	20.4

432359 2009 WK_{14} 5 4.8 145.°98 4.°4/ 1.9 16

4 1	15 15.07	− 3 51.0	2.095	2.947	12.1	21.8
4 11	15 8.90	− 3 26.1	2.030	2.954	9.1	21.6
4 21	15 0.91	− 3 4.2	1.990	2.961	6.1	21.4
5 1	14 51.82	− 2 48.9	1.977	2.967	4.4	21.3
5 11	14 42.49	− 2 43.7	1.992	2.973	5.6	21.4
5 21	14 33.81	− 2 50.6	2.035	2.979	8.5	21.6
5 31	14 26.53	− 3 10.6	2.103	2.984	11.5	21.8
6 10	14 21.18	− 3 43.3	2.192	2.989	14.1	22.0

111643 2002 AP_{169} 5 4.8 224.°72 3.°2/ 7.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
4 1	15 11.17	−27 34.0	2.329	3.141	12.4	20.0
4 11	15 6.20	−27 34.2	2.245	3.141	9.7	19.8
4 21	14 59.39	−27 21.0	2.183	3.140	6.7	19.6
5 1	14 51.41	−26 54.3	2.148	3.139	4.0	19.4
5 11	14 43.11	−26 16.2	2.140	3.138	3.4	19.4
5 21	14 35.34	−25 30.2	2.161	3.138	5.8	19.5
5 31	14 28.89	−24 41.3	2.208	3.137	8.8	19.7
6 10	14 24.30	−23 54.4	2.278	3.136	11.7	19.9

374172 2004 VM_{82} 5 4.8 135.°23 1.°6/ 5.9 17

4 1	15 16.95	−21 1.0	2.288	3.112	12.2	21.3
4 11	15 10.32	−21 18.9	2.215	3.124	9.2	21.1
4 21	15 1.80	−21 28.2	2.166	3.135	5.8	20.9
5 1	14 52.08	−21 29.0	2.145	3.146	2.5	20.7
5 11	14 42.07	−21 22.7	2.153	3.157	2.5	20.7
5 21	14 32.67	−21 11.8	2.190	3.167	5.8	21.0
5 31	14 24.68	−20 59.9	2.255	3.176	9.1	21.2
6 10	14 18.66	−20 50.5	2.344	3.185	11.9	21.4

477203 2009 HQ_{71} 5 4.8 42.°33 0.°3/ 4.6 17

4 1	15 13.32	−14 50.0	2.097	2.945	12.2	21.0
4 11	15 7.77	−14 59.3	2.024	2.949	9.0	20.8
4 21	15 0.33	−15 4.1	1.975	2.954	5.4	20.6
5 1	14 51.68	−15 5.7	1.953	2.958	1.5	20.3
5 11	14 42.71	−15 6.1	1.959	2.963	2.6	20.4
5 21	14 34.32	−15 7.6	1.993	2.968	6.4	20.7
5 31	14 27.30	−15 12.8	2.053	2.973	9.9	20.9
6 10	14 22.24	−15 23.8	2.136	2.978	12.9	21.1

35953 1999 KJ_{15} 5 4.8 288.°78 8.°6/25.7 18

4 1	15 8.94	+ 8 6.4	2.253	3.097	11.6	18.5
4 11	15 4.52	+ 9 33.6	2.175	3.072	9.9	18.4
4 21	14 58.40	+10 52.7	2.121	3.048	8.8	18.2
5 1	14 51.15	+11 56.7	2.093	3.023	8.8	18.2
5 11	14 43.52	+12 40.1	2.089	2.998	10.1	18.2
5 21	14 36.28	+12 59.4	2.110	2.973	12.1	18.3
5 31	14 30.17	+12 53.8	2.152	2.948	14.3	18.4
6 10	14 25.73	+12 24.8	2.211	2.923	16.4	18.5

414066 2007 SZ_{20} 5 4.8 228.°47 1.°7/ 3.7 15

4 1	15 15.94	−13 24.9	1.882	2.733	13.3	22.5
4 11	15 10.02	−12 54.1	1.793	2.720	9.9	22.3
4 21	15 1.86	−12 16.8	1.728	2.707	5.9	22.0
5 1	14 52.15	−11 36.1	1.689	2.694	2.1	21.7
5 11	14 41.92	−10 56.4	1.679	2.679	3.8	21.8
5 21	14 32.23	−10 22.4	1.696	2.663	8.0	22.0
5 31	14 24.08	− 9 58.3	1.738	2.647	12.0	22.2
6 10	14 18.15	− 9 47.2	1.803	2.630	15.5	22.4

489550 2007 RT_{288} 5 4.8 120.°94 0.°1/ 4.9 17

4 1	15 11.61	−18 24.9	2.660	3.494	10.4	22.4
4 11	15 6.06	−18 2.1	2.593	3.511	7.7	22.2
4 21	14 59.10	−17 32.2	2.552	3.528	4.6	22.1
5 1	14 51.30	−16 57.3	2.539	3.544	1.3	21.9
5 11	14 43.37	−16 20.1	2.556	3.560	2.0	21.9
5 21	14 35.99	−15 43.8	2.601	3.576	5.2	22.2
5 31	14 29.73	−15 11.7	2.675	3.590	8.1	22.4
6 10	14 25.03	−14 46.3	2.772	3.605	10.5	22.6

65029 2002 AC_{111} 5 4.8 306.°51 2.°8/ 2.7 18

4 1	15 9.74	− 9 16.5	2.114	2.974	11.6	19.3
4 11	15 5.17	− 8 46.8	2.031	2.963	8.6	19.1
4 21	14 58.81	− 8 15.0	1.972	2.952	5.4	18.9
5 1	14 51.27	− 7 44.6	1.940	2.940	2.9	18.7
5 11	14 43.36	− 7 19.6	1.936	2.930	4.3	18.8
5 21	14 35.93	− 7 3.1	1.958	2.919	7.7	18.9
5 31	14 29.73	− 6 57.9	2.006	2.908	11.0	19.1
6 10	14 25.33	− 7 5.3	2.075	2.898	13.9	19.3

37244 2000 WF_{175} 5 4.8 68.°08 8.°2/27.7 18

4 1	15 10.30	+ 9 13.0	2.295	3.132	11.7	18.2
4 11	15 5.25	+10 9.7	2.245	3.138	9.8	18.1
4 21	14 58.68	+10 54.9	2.218	3.144	8.5	18.0
5 1	14 51.19	+11 23.4	2.217	3.150	8.3	18.0
5 11	14 43.56	+11 31.6	2.242	3.155	9.3	18.1
5 21	14 36.51	+11 18.4	2.290	3.161	11.0	18.2
5 31	14 30.66	+10 44.6	2.361	3.167	12.9	18.3
6 10	14 26.47	+ 9 52.5	2.451	3.173	14.7	18.5

320520 2007 YZ_{27} 5 4.8 76.°35 2.°8/ 6.5 18

4 1	15 17.71	−23 44.4	1.509	2.348	16.6	21.2
4 11	15 11.55	−23 55.0	1.454	2.369	12.6	21.0
4 21	15 2.76	−23 50.3	1.420	2.390	8.2	20.8
5 1	14 52.36	−23 30.5	1.411	2.411	4.0	20.6
5 11	14 41.74	−22 58.8	1.429	2.432	3.6	20.6
5 21	14 32.20	−22 20.6	1.472	2.452	7.6	20.9
5 31	14 24.80	−21 42.6	1.540	2.473	11.7	21.2
6 10	14 20.15	−21 10.7	1.629	2.493	15.2	21.5

368888 2006 SH_{90} 5 4.8 328°.42 1°.6/ 3.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
4 1	15 9.79	−16 16.3	1.359	2.232	16.0	20.9
4 11	15 6.06	−15 19.7	1.285	2.224	11.9	20.6
4 21	14 59.70	−14 9.6	1.231	2.216	7.1	20.3
5 1	14 51.57	−12 51.5	1.202	2.208	2.2	20.0
5 11	14 42.92	−11 33.3	1.198	2.201	4.3	20.1
5 21	14 35.06	−10 23.4	1.219	2.194	9.5	20.4
5 31	14 29.11	− 9 29.1	1.261	2.188	14.2	20.6
6 10	14 25.83	− 8 54.9	1.323	2.182	18.3	20.8

23085 1999 XM_{116} 5 4.8 145°.83 2°.0/ 6.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 13.81	−22 28.1	2.007	2.839	13.3	19.1
4 11	15 8.32	−22 33.1	1.929	2.842	10.1	18.8
4 21	15 0.75	−22 26.9	1.874	2.844	6.5	18.6
5 1	14 51.82	−22 9.9	1.845	2.846	2.9	18.4
5 11	14 42.53	−21 44.5	1.845	2.848	2.8	18.4
5 21	14 33.85	−21 14.3	1.871	2.850	6.4	18.6
5 31	14 26.70	−20 44.0	1.924	2.852	10.0	18.8
6 10	14 21.67	−20 18.1	2.000	2.854	13.2	19.1

361101 2006 DP_{59} 5 4.8 282°.55 2°.8/ 6.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 15.17	−23 6.3	1.426	2.274	16.9	20.7
4 11	15 10.27	−23 16.0	1.343	2.264	13.0	20.4
4 21	15 2.38	−23 10.5	1.281	2.253	8.6	20.1
5 1	14 52.37	−22 49.1	1.242	2.243	4.0	19.8
5 11	14 41.59	−22 14.4	1.228	2.232	3.8	19.7
5 21	14 31.54	−21 31.8	1.240	2.222	8.4	20.0
5 31	14 23.57	−20 48.7	1.274	2.211	13.2	20.2
6 10	14 18.57	−20 12.4	1.329	2.201	17.5	20.4

2033 Basilea 5 4.8 119°.82 6°.1/ 8.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 19.43	−31 26.7	1.526	2.336	17.8	16.6
4 11	15 13.21	−31 54.2	1.458	2.347	14.4	16.4
4 21	15 3.97	−31 59.9	1.410	2.357	10.6	16.2
5 1	14 52.76	−31 41.1	1.386	2.367	7.2	16.0
5 11	14 41.07	−30 59.3	1.387	2.377	6.3	16.0
5 21	14 30.45	−30 0.3	1.413	2.386	8.7	16.1
5 31	14 22.14	−28 52.9	1.464	2.395	12.3	16.4
6 10	14 16.91	−27 46.7	1.535	2.404	15.7	16.6

98026 2000 RS_4 5 4.8 160°.48 1°.3/ 5.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 17.07	−20 44.2	1.766	2.604	14.6	20.0
4 11	15 10.91	−20 38.1	1.692	2.609	11.0	19.8
4 21	15 2.36	−20 20.3	1.640	2.614	6.9	19.6
5 1	14 52.28	−19 51.8	1.615	2.619	2.5	19.3
5 11	14 41.82	−19 16.0	1.618	2.622	2.8	19.3
5 21	14 32.13	−18 37.5	1.647	2.626	7.2	19.6
5 31	14 24.22	−18 1.9	1.703	2.628	11.2	19.8
6 10	14 18.75	−17 34.0	1.780	2.630	14.7	20.1

384879 2012 ST_{59} 5 4.8 239°.04 2°.6/ 6.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 13.69	−23 51.9	2.016	2.844	13.4	21.2
4 11	15 8.31	−24 3.4	1.933	2.842	10.3	21.0
4 21	15 0.80	−24 3.1	1.873	2.839	6.8	20.7
5 1	14 51.86	−23 50.9	1.839	2.837	3.5	20.5
5 11	14 42.48	−23 28.4	1.832	2.834	3.2	20.5
5 21	14 33.68	−22 59.3	1.853	2.831	6.5	20.7
5 31	14 26.39	−22 28.3	1.899	2.829	10.0	20.9
6 10	14 21.25	−22 0.3	1.969	2.826	13.3	21.1

375911 2009 WP_{10} 5 4.8 100°.83 0°.5/ 4.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 11.71	−18 32.8	1.907	2.756	13.2	20.7
4 11	15 6.62	−17 33.7	1.842	2.768	9.7	20.5
4 21	14 59.61	−16 23.4	1.801	2.780	5.8	20.3
5 1	14 51.48	−15 6.3	1.787	2.792	1.6	20.0
5 11	14 43.18	−13 48.1	1.801	2.804	2.9	20.1
5 21	14 35.63	−12 35.0	1.842	2.816	7.0	20.4
5 31	14 29.61	−11 32.6	1.910	2.827	10.7	20.6
6 10	14 25.62	−10 44.5	2.000	2.839	13.8	20.9

410403 2007 XT_{24} 5 4.8 190°.49 1°.8/ 3.6 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 15.32	−13 23.4	1.933	2.783	13.0	22.4
4 11	15 9.39	−12 48.1	1.855	2.782	9.6	22.2
4 21	15 1.37	−12 6.6	1.801	2.780	5.7	22.0
5 1	14 52.01	−11 22.4	1.774	2.778	2.1	21.7
5 11	14 42.29	−10 39.9	1.775	2.775	3.7	21.8
5 21	14 33.21	−10 3.6	1.804	2.771	7.7	22.0
5 31	14 25.65	− 9 37.7	1.859	2.767	11.4	22.3
6 10	14 20.22	− 9 24.5	1.936	2.761	14.7	22.5

297909 2002 CU_{298} 5 4.8 73°.66 1°.5/ 5.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 16.48	−21 26.8	1.358	2.211	17.3	20.9
4 11	15 10.79	−21 13.0	1.305	2.230	13.0	20.7
4 21	15 2.36	−20 44.1	1.273	2.249	8.0	20.4
5 1	14 52.28	−20 2.2	1.265	2.269	3.0	20.2
5 11	14 41.98	−19 12.3	1.282	2.288	3.2	20.3
5 21	14 32.85	−18 21.4	1.325	2.306	8.1	20.6
5 31	14 25.95	−17 36.5	1.391	2.325	12.6	20.9
6 10	14 21.90	−17 2.8	1.478	2.344	16.4	21.2

377813 2006 BO_{15} 5 4.8 234°.28 1°.6/ 3.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
4 1	15 12.90	−13 28.1	2.138	2.988	11.9	21.8
4 11	15 7.54	−12 56.0	2.049	2.976	8.8	21.6
4 21	15 0.26	−12 18.1	1.984	2.964	5.3	21.4
5 1	14 51.72	−11 37.3	1.947	2.951	1.9	21.1
5 11	14 42.77	−10 57.6	1.938	2.938	3.4	21.2
5 21	14 34.30	−10 23.1	1.957	2.924	7.1	21.4
5 31	14 27.13	− 9 57.5	2.002	2.910	10.7	21.6
6 10	14 21.86	− 9 43.4	2.070	2.896	13.9	21.8

62732 2000 TQ_{59} 5 4.8 304°.27 9°.5/28.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 12.22	+ 6 26.3	1.697	2.552	14.3	18.5
4 11	15 7.28	+ 7 35.2	1.635	2.544	11.8	18.3
4 21	15 0.19	+ 8 32.9	1.594	2.537	10.0	18.2
5 1	14 51.71	+ 9 11.6	1.578	2.529	9.6	18.1
5 11	14 42.87	+ 9 25.5	1.586	2.522	10.9	18.2
5 21	14 34.71	+ 9 12.0	1.617	2.515	13.3	18.3
5 31	14 28.13	+ 8 31.8	1.669	2.508	16.0	18.5
6 10	14 23.76	+ 7 28.4	1.739	2.501	18.5	18.6

313718 2003 UM_{123} 5 4.8 77°.03 0°.2/ 4.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 17.47	−17 26.3	1.482	2.336	16.0	21.2
4 11	15 11.32	−17 25.9	1.428	2.356	11.9	21.0
4 21	15 2.62	−17 16.1	1.396	2.375	7.1	20.7
5 1	14 52.37	−16 58.9	1.389	2.394	2.1	20.5
5 11	14 41.90	−16 37.7	1.408	2.413	3.1	20.6
5 21	14 32.47	−16 17.3	1.454	2.432	7.9	20.9
5 31	14 25.12	−16 2.2	1.523	2.451	12.1	21.2
6 10	14 20.44	−15 56.0	1.614	2.470	15.7	21.5

51354 2000 RX_{25} 5 4.8 269°.77 1°.6/ 7.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 4.04	−26 4.5	4.428	5.231	7.1	18.7
4 11	15 0.25	−25 53.2	4.330	5.223	5.5	18.6
4 21	14 55.59	−25 34.8	4.258	5.215	3.7	18.5
5 1	14 50.38	−25 10.0	4.214	5.207	2.1	18.4
5 11	14 45.01	−24 40.0	4.200	5.199	1.8	18.3
5 21	14 39.89	−24 6.7	4.215	5.191	3.3	18.4
5 31	14 35.37	−23 32.1	4.259	5.183	5.1	18.5
6 10	14 31.75	−22 58.4	4.329	5.175	6.8	18.7

341001 2007 FP_2 5 4.8 345°.16 15°.8/ 3.0 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 34.12	−33 7.3	1.169	1.973	22.5	18.9
4 11	15 27.60	−37 32.2	1.085	1.954	19.8	18.6
4 21	15 15.16	−41 57.9	1.024	1.936	17.2	18.4
5 1	14 56.72	−46 1.0	0.987	1.921	15.8	18.3
5 11	14 33.81	−49 17.0	0.976	1.907	16.5	18.2
5 21	14 9.68	−51 31.1	0.988	1.896	18.8	18.3
5 31	13 48.49	−52 45.9	1.020	1.887	21.9	18.5
6 10	13 33.40	−53 19.1	1.068	1.880	24.8	18.7

385181 2013 WE_{56} 5 4.8 216°.52 0°.4/ 4.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 14.33	−15 59.7	2.343	3.182	11.4	21.6
4 11	15 8.46	−15 44.6	2.252	3.173	8.5	21.4
4 21	15 0.78	−15 23.1	2.186	3.163	5.1	21.1
5 1	14 51.88	−14 57.1	2.147	3.153	1.4	20.8
5 11	14 42.60	−14 29.3	2.139	3.142	2.5	20.9
5 21	14 33.78	−14 3.1	2.159	3.130	6.2	21.1
5 31	14 26.18	−13 41.8	2.205	3.118	9.7	21.3
6 10	14 20.40	−13 28.3	2.276	3.105	12.6	21.5

86925 2000 HO_{59} 5 4.8 116°.00 1°.6/ 5.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 18.69	−19 28.4	1.776	2.614	14.5	19.6
4 11	15 12.12	−19 55.2	1.706	2.623	10.9	19.3
4 21	15 3.13	−20 13.3	1.659	2.632	6.9	19.1
5 1	14 52.56	−20 22.4	1.638	2.641	2.7	18.9
5 11	14 41.58	−20 24.0	1.646	2.650	2.9	18.9
5 21	14 31.37	−20 20.8	1.680	2.658	7.1	19.2
5 31	14 22.96	−20 16.8	1.741	2.666	11.0	19.4
6 10	14 17.03	−20 16.1	1.823	2.674	14.4	19.7

4242 Brecher 5 4.8 346°.97 0°.0/ 4.6 18 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 9.24	−17 43.8	1.828	2.685	13.3	17.0
4 11	15 5.11	−17 28.4	1.750	2.679	9.9	16.8
4 21	14 58.93	−17 4.0	1.694	2.674	6.0	16.6
5 1	14 51.38	−16 32.8	1.663	2.669	1.7	16.3
5 11	14 43.44	−15 58.5	1.660	2.665	2.7	16.3
5 21	14 36.08	−15 25.5	1.682	2.661	7.0	16.6
5 31	14 30.19	−14 58.3	1.730	2.658	10.9	16.8
6 10	14 26.40	−14 40.5	1.799	2.656	14.3	17.0

430453 2000 UP_{106} 5 4.9 226°.39 1°.8/ 3.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 13.89	−11 38.2	2.599	3.440	10.3	22.5
4 11	15 7.98	−11 11.6	2.503	3.426	7.6	22.3
4 21	15 0.43	−10 41.4	2.432	3.410	4.6	22.1
5 1	14 51.79	−10 10.1	2.391	3.394	2.0	21.9
5 11	14 42.79	− 9 40.8	2.379	3.376	3.2	21.9
5 21	14 34.16	− 9 16.4	2.397	3.358	6.4	22.1
5 31	14 26.59	− 8 59.8	2.442	3.339	9.5	22.3
6 10	14 20.64	− 8 52.9	2.511	3.320	12.2	22.4

507430 2012 RR_4 5 4.9 265°.50 3°.7/ 2.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
4 1	15 11.20	− 8 6.8	1.996	2.857	12.2	21.6
4 11	15 6.37	− 7 19.1	1.913	2.844	9.1	21.4
4 21	14 59.62	− 6 28.9	1.853	2.830	5.8	21.2
5 1	14 51.59	− 5 40.9	1.820	2.817	3.7	21.0
5 11	14 43.15	− 5 0.1	1.815	2.803	5.2	21.1
5 21	14 35.20	− 4 30.7	1.836	2.789	8.6	21.2
5 31	14 28.58	− 4 15.9	1.882	2.775	12.0	21.4
6 10	14 23.89	− 4 16.9	1.948	2.761	15.1	21.6

392897 2012 VH_{42} 5 4.9 179°.23 0°.8/ 4.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 11.46	−14 41.0	2.607	3.449	10.3	21.6
4 11	15 6.11	−14 21.9	2.527	3.450	7.6	21.4
4 21	14 59.25	−13 58.0	2.473	3.451	4.5	21.2
5 1	14 51.45	−13 31.2	2.446	3.451	1.3	21.0
5 11	14 43.41	−13 4.5	2.449	3.451	2.5	21.1
5 21	14 35.82	−12 40.5	2.481	3.451	5.7	21.3
5 31	14 29.31	−12 22.1	2.540	3.450	8.7	21.5
6 10	14 24.36	−12 11.4	2.623	3.449	11.3	21.7

300128 2006 VP_{32} 5 4.9 250°.01 0°.0/ 4.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 10.72	−17 45.7	2.281	3.124	11.5	21.6
4 11	15 5.83	−17 28.5	2.196	3.119	8.6	21.4
4 21	14 59.21	−17 3.7	2.136	3.114	5.2	21.1
5 1	14 51.46	−16 33.0	2.103	3.109	1.5	20.9
5 11	14 43.38	−15 59.6	2.099	3.103	2.3	20.9
5 21	14 35.79	−15 27.0	2.122	3.098	6.0	21.2
5 31	14 29.42	−14 58.9	2.172	3.093	9.4	21.4
6 10	14 24.81	−14 38.4	2.245	3.087	12.4	21.5

425283 2009 WD_{186} 5 4.9 143°.80 1°.6/ 6.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 13.89	−22 53.4	2.117	2.945	12.9	21.9
4 11	15 8.22	−22 35.9	2.043	2.954	9.7	21.7
4 21	15 0.63	−22 6.2	1.992	2.962	6.2	21.5
5 1	14 51.85	−21 25.8	1.968	2.969	2.6	21.3
5 11	14 42.80	−20 37.9	1.972	2.976	2.5	21.3
5 21	14 34.43	−19 47.1	2.004	2.983	6.1	21.6
5 31	14 27.52	−18 58.5	2.064	2.989	9.6	21.8
6 10	14 22.62	−18 16.6	2.146	2.995	12.6	22.0

348868 2006 SR_{152} 5 4.9 152°.11 4°.9/29.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 9.38	+ 0 50.3	2.950	3.794	9.2	21.8
4 11	15 4.31	+ 1 46.3	2.890	3.803	7.1	21.6
4 21	14 58.06	+ 2 38.2	2.857	3.812	5.5	21.5
5 1	14 51.10	+ 3 22.0	2.852	3.819	4.9	21.5
5 11	14 44.01	+ 3 54.5	2.876	3.827	5.9	21.6
5 21	14 37.36	+ 4 13.7	2.927	3.834	7.7	21.7
5 31	14 31.63	+ 4 18.5	3.003	3.840	9.7	21.8
6 10	14 27.20	+ 4 9.5	3.101	3.846	11.5	22.0

174646 2003 SO_{164} 5 4.9 198°.10 0°.5/ 5.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 15.82	−19 17.4	1.970	2.808	13.3	21.7
4 11	15 9.86	−18 57.9	1.886	2.805	10.0	21.5
4 21	15 1.74	−18 28.0	1.825	2.801	6.1	21.2
5 1	14 52.20	−17 49.5	1.792	2.797	1.9	20.9
5 11	14 42.24	−17 5.8	1.786	2.791	2.6	21.0
5 21	14 32.91	−16 21.6	1.809	2.786	6.8	21.2
5 31	14 25.11	−15 42.1	1.858	2.779	10.7	21.4
6 10	14 19.49	−15 11.3	1.930	2.772	14.1	21.6

30650 7638 *P–L* 5 4.9 160°.94 3°.5/ 2.1 17 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 12.72	− 8 41.7	2.002	2.860	12.3	18.8
4 11	15 7.32	− 7 45.9	1.935	2.864	9.1	18.6
4 21	15 0.08	− 6 47.6	1.891	2.869	5.8	18.4
5 1	14 51.70	− 5 51.8	1.875	2.873	3.6	18.3
5 11	14 43.08	− 5 3.5	1.887	2.876	5.1	18.4
5 21	14 35.10	− 4 27.0	1.927	2.879	8.4	18.6
5 31	14 28.53	− 4 5.3	1.991	2.881	11.6	18.8
6 10	14 23.89	− 3 59.3	2.076	2.883	14.5	19.0

56968 2000 SA_{92} 5 4.9 87°.00 0°.5/ 5.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 3.36	−20 54.9	4.369	5.193	6.8	18.9
4 11	14 59.72	−20 29.1	4.285	5.196	5.1	18.8
4 21	14 55.26	−19 57.7	4.227	5.199	3.1	18.6
5 1	14 50.33	−19 22.1	4.198	5.201	1.1	18.5
5 11	14 45.28	−18 44.1	4.199	5.204	1.2	18.5
5 21	14 40.50	−18 5.5	4.230	5.207	3.3	18.6
5 31	14 36.30	−17 28.6	4.290	5.210	5.2	18.8
6 10	14 32.98	−16 55.1	4.376	5.212	6.9	18.9

409742 2006 DZ_{23} 5 4.9 319°.64 3°.8/ 6.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 15.26	−23 41.3	1.277	2.130	18.1	21.0
4 11	15 10.70	−24 14.2	1.199	2.121	14.1	20.7
4 21	15 2.87	−24 32.0	1.140	2.112	9.5	20.4
5 1	14 52.64	−24 32.7	1.104	2.103	5.0	20.2
5 11	14 41.53	−24 17.4	1.092	2.095	4.6	20.1
5 21	14 31.19	−23 50.5	1.104	2.087	9.1	20.3
5 31	14 23.16	−23 19.5	1.138	2.080	14.0	20.6
6 10	14 18.41	−22 52.2	1.191	2.073	18.4	20.8

275714 2000 YH_4 5 4.9 269°.24 16°.1/27.5 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
4 1	15 35.07	+ 9 14.4	1.067	1.908	21.8	21.3
4 11	15 27.15	+11 4.6	0.968	1.867	19.0	21.0
4 21	15 14.04	+12 46.6	0.887	1.822	16.7	20.6
5 1	14 56.21	+14 1.5	0.827	1.774	16.3	20.4
5 11	14 35.35	+14 29.4	0.789	1.723	18.9	20.3
5 21	14 14.05	+13 57.4	0.772	1.669	23.8	20.4
5 31	13 55.15	+12 24.5	0.773	1.612	29.5	20.5
6 10	13 40.65	+10 0.6	0.787	1.552	35.2	20.6

31773 1999 JL_{121} 5 4.9 194°.72 2°.5/ 2.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 11.42	− 8 41.8	2.514	3.364	10.4	18.7
4 11	15 6.12	− 8 19.5	2.436	3.362	7.7	18.5
4 21	14 59.29	− 7 56.1	2.384	3.361	4.8	18.3
5 1	14 51.50	− 7 34.6	2.359	3.359	2.6	18.2
5 11	14 43.46	− 7 17.8	2.364	3.356	3.8	18.3
5 21	14 35.86	− 7 8.1	2.397	3.354	6.6	18.4
5 31	14 29.36	− 7 7.5	2.456	3.351	9.5	18.6
6 10	14 24.43	− 7 17.0	2.538	3.348	12.0	18.8

190374 1999 RG_{86} 5 4.9 206°.18 3°.2/ 7.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 16.08	−26 23.6	2.398	3.205	12.2	20.8
4 11	15 9.90	−26 43.6	2.306	3.199	9.6	20.6
4 21	15 1.74	−26 52.1	2.238	3.194	6.6	20.4
5 1	14 52.23	−26 48.1	2.197	3.188	3.9	20.2
5 11	14 42.27	−26 32.6	2.184	3.181	3.5	20.1
5 21	14 32.77	−26 8.2	2.200	3.174	6.0	20.3
5 31	14 24.61	−25 39.0	2.243	3.166	9.0	20.5
6 10	14 18.39	−25 9.8	2.311	3.158	11.9	20.6

439816 2015 KE_{33} 5 4.9 124°.29 1°.7/ 6.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 11.26	−24 1.3	2.209	3.036	12.4	21.2
4 11	15 6.26	−23 36.1	2.132	3.042	9.5	21.0
4 21	14 59.46	−22 58.1	2.079	3.047	6.1	20.8
5 1	14 51.55	−22 8.8	2.052	3.053	2.7	20.6
5 11	14 43.41	−21 11.8	2.054	3.058	2.5	20.6
5 21	14 35.87	−20 11.7	2.083	3.063	5.8	20.8
5 31	14 29.69	−19 13.8	2.140	3.068	9.2	21.0
6 10	14 25.38	−18 22.8	2.220	3.072	12.1	21.2

378332 2007 GY_{75} 5 4.9 341°.19 0°.6/ 4.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 3.54	−14 32.1	3.925	4.768	7.1	21.1
4 11	14 59.94	−14 8.2	3.841	4.765	5.2	20.9
4 21	14 55.44	−13 41.1	3.783	4.762	3.1	20.8
5 1	14 50.40	−13 12.4	3.754	4.759	0.9	20.6
5 11	14 45.21	−12 44.0	3.755	4.757	1.8	20.7
5 21	14 40.29	−12 17.8	3.785	4.754	3.9	20.8
5 31	14 35.99	−11 55.6	3.843	4.752	6.0	21.0
6 10	14 32.62	−11 39.0	3.925	4.749	7.9	21.1

73349 2002 JE_{131} 5 4.9 27°.71 1°.6/ 5.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 14.76	−21 7.9	1.440	2.293	16.5	19.9
4 11	15 9.74	−21 5.2	1.369	2.294	12.5	19.6
4 21	15 1.95	−20 48.6	1.319	2.295	7.9	19.4
5 1	14 52.32	−20 19.1	1.293	2.296	3.0	19.1
5 11	14 42.19	−19 40.6	1.292	2.298	3.2	19.1
5 21	14 32.91	−18 58.9	1.317	2.299	8.1	19.4
5 31	14 25.69	−18 20.6	1.366	2.301	12.7	19.6
6 10	14 21.25	−17 51.5	1.434	2.303	16.7	19.9

474824 2005 SK_{43} 5 4.9 172°.22 0°.7/ 4.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 8.98	−15 55.3	2.869	3.710	9.5	22.5
4 11	15 4.17	−15 16.1	2.789	3.712	7.0	22.3
4 21	14 58.05	−14 31.1	2.735	3.714	4.1	22.1
5 1	14 51.15	−13 42.6	2.710	3.716	1.2	21.9
5 11	14 44.06	−12 54.0	2.715	3.717	2.3	22.0
5 21	14 37.39	−12 8.4	2.749	3.718	5.2	22.2
5 31	14 31.68	−11 29.1	2.810	3.719	8.0	22.4
6 10	14 27.36	−10 58.4	2.896	3.719	10.4	22.5

129703 1998 SU_{120} 5 4.9 321°.22 1°.7/ 5.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 15.46	−19 8.2	1.714	2.560	14.6	19.4
4 11	15 10.07	−19 43.1	1.628	2.550	11.1	19.2
4 21	15 2.14	−20 10.7	1.565	2.540	7.0	18.9
5 1	14 52.40	−20 30.3	1.527	2.530	2.8	18.6
5 11	14 41.98	−20 42.5	1.516	2.520	3.1	18.6
5 21	14 32.10	−20 49.6	1.532	2.512	7.4	18.9
5 31	14 23.91	−20 55.2	1.572	2.503	11.6	19.1
6 10	14 18.22	−21 3.3	1.634	2.495	15.3	19.3

5846 Hessen 5 4.9 89°.55 0°.2/ 4.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 15.71	−17 9.0	1.579	2.433	15.2	18.4
4 11	15 9.96	−16 50.3	1.520	2.448	11.2	18.1
4 21	15 1.82	−16 22.2	1.483	2.463	6.7	17.9
5 1	14 52.23	−15 47.4	1.472	2.478	1.9	17.6
5 11	14 42.40	−15 10.4	1.488	2.493	3.1	17.8
5 21	14 33.50	−14 36.4	1.530	2.507	7.7	18.1
5 31	14 26.50	−14 10.0	1.597	2.521	11.9	18.3
6 10	14 21.99	−13 54.9	1.684	2.535	15.4	18.6

140782 2001 UH_{136} 5 4.9 133°.28 0°.4/ 4.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
4 1	15 11.14	−16 9.6	2.798	3.634	9.8	21.3
4 11	15 5.72	−15 48.2	2.727	3.648	7.2	21.1
4 21	14 58.96	−15 21.6	2.683	3.661	4.3	20.9
5 1	14 51.40	−14 51.5	2.667	3.673	1.2	20.7
5 11	14 43.68	−14 20.7	2.682	3.685	2.1	20.8
5 21	14 36.45	−13 51.9	2.725	3.696	5.1	21.0
5 31	14 30.26	−13 27.8	2.796	3.707	7.9	21.2
6 10	14 25.53	−13 10.6	2.891	3.718	10.3	21.4

156216 2001 UX_{73} 5 4.9 136°.36 1°.5/ 3.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 14.89	−12 55.7	2.199	3.044	11.8	20.9
4 11	15 8.76	−12 29.8	2.133	3.058	8.7	20.8
4 21	15 0.88	−11 59.5	2.093	3.072	5.2	20.6
5 1	14 51.95	−11 27.8	2.080	3.084	1.9	20.4
5 11	14 42.85	−10 58.0	2.096	3.096	3.2	20.5
5 21	14 34.38	−10 33.6	2.141	3.108	6.7	20.7
5 31	14 27.30	−10 17.4	2.213	3.118	10.0	20.9
6 10	14 22.08	−10 11.3	2.307	3.128	12.7	21.1

502717 2015 DN_{27} 5 4.9 118°.65 0°.2/ 5.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 14.55	−17 51.2	1.975	2.818	13.1	21.7
4 11	15 8.80	−17 44.5	1.905	2.828	9.7	21.5
4 21	15 1.04	−17 29.8	1.860	2.837	5.9	21.3
5 1	14 52.02	−17 8.6	1.841	2.846	1.7	21.0
5 11	14 42.73	−16 44.0	1.850	2.855	2.5	21.1
5 21	14 34.12	−16 19.6	1.887	2.863	6.6	21.4
5 31	14 27.03	−15 59.4	1.949	2.871	10.2	21.6
6 10	14 22.03	−15 46.7	2.035	2.879	13.4	21.8

122812 2000 SO_{101} 5 4.9 313°.89 6°.1/ 1.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 11.84	− 6 5.9	1.267	2.149	16.4	19.4
4 11	15 7.77	− 5 4.7	1.196	2.137	12.4	19.1
4 21	15 0.89	− 4 1.9	1.146	2.125	8.4	18.8
5 1	14 52.06	− 3 5.6	1.119	2.113	6.1	18.6
5 11	14 42.62	− 2 24.1	1.116	2.102	8.1	18.7
5 21	14 33.93	− 2 3.7	1.135	2.092	12.4	18.9
5 31	14 27.25	− 2 7.7	1.176	2.081	16.7	19.1
6 10	14 23.39	− 2 35.6	1.233	2.072	20.6	19.4

348992 2006 UP_{189} 5 4.9 239°.04 2°.7/ 7.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 11.08	−27 8.9	2.427	3.239	11.9	20.9
4 11	15 6.14	−26 51.7	2.334	3.231	9.3	20.7
4 21	14 59.43	−26 20.6	2.263	3.222	6.4	20.5
5 1	14 51.58	−25 36.3	2.220	3.214	3.5	20.3
5 11	14 43.40	−24 41.1	2.204	3.205	3.0	20.3
5 21	14 35.70	−23 39.3	2.218	3.196	5.6	20.4
5 31	14 29.25	−22 36.0	2.258	3.186	8.7	20.6
6 10	14 24.58	−21 36.5	2.323	3.177	11.6	20.7

478075 2011 UB_{23} 5 4.9 304°.21 1°.0/ 5.7 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 9.21	−22 3.5	2.044	2.885	12.8	20.7
4 11	15 4.99	−21 25.9	1.954	2.873	9.7	20.5
4 21	14 58.84	−20 34.7	1.887	2.861	6.0	20.2
5 1	14 51.43	−19 32.3	1.846	2.850	2.2	20.0
5 11	14 43.64	−18 22.9	1.833	2.838	2.4	19.9
5 21	14 36.37	−17 12.1	1.848	2.827	6.4	20.2
5 31	14 30.46	−16 5.9	1.888	2.816	10.2	20.4
6 10	14 26.50	−15 9.4	1.952	2.806	13.5	20.6

388820 2008 CX_{92} 5 4.9 76°.90 1°.1/ 5.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 11.50	−20 45.6	2.260	3.095	11.9	21.0
4 11	15 6.35	−20 38.1	2.192	3.108	8.9	20.9
4 21	14 59.48	−20 21.4	2.147	3.120	5.6	20.7
5 1	14 51.58	−19 56.9	2.130	3.133	2.1	20.5
5 11	14 43.46	−19 27.1	2.140	3.145	2.2	20.5
5 21	14 35.93	−18 55.7	2.179	3.158	5.7	20.7
5 31	14 29.72	−18 26.4	2.245	3.170	8.9	21.0
6 10	14 25.31	−18 2.7	2.333	3.183	11.7	21.2

38306 1999 RB_{99} 5 4.9 236°.03 4°.0/30.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 8.42	− 4 38.2	2.687	3.541	9.7	19.3
4 11	15 3.86	− 3 38.9	2.606	3.531	7.3	19.2
4 21	14 57.93	− 2 39.8	2.551	3.521	5.0	19.0
5 1	14 51.14	− 1 44.8	2.525	3.511	4.0	18.9
5 11	14 44.11	− 0 58.2	2.527	3.500	5.2	19.0
5 21	14 37.45	− 0 23.1	2.557	3.489	7.5	19.1
5 31	14 31.76	− 0 1.7	2.612	3.478	10.0	19.2
6 10	14 27.46	+ 0 5.3	2.689	3.467	12.3	19.4

109015 2001 QX_{4} 5 4.9 114°.67 5°.4/30.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 13.15	− 4 25.1	1.827	2.688	13.1	19.4
4 11	15 7.69	− 3 16.1	1.773	2.702	9.9	19.2
4 21	15 0.31	− 2 8.7	1.743	2.714	6.8	19.1
5 1	14 51.80	− 1 9.3	1.740	2.727	5.4	19.0
5 11	14 43.14	− 0 23.4	1.764	2.739	6.9	19.1
5 21	14 35.23	+ 0 5.1	1.813	2.751	9.8	19.3
5 31	14 28.86	+ 0 14.4	1.887	2.762	12.9	19.5
6 10	14 24.55	+ 0 5.0	1.980	2.773	15.6	19.8

32944 Gussalli 5 4.9 216°.19 0°.5/ 5.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
4 1	15 11.30	−19 2.0	2.735	3.566	10.2	19.4
4 11	15 6.05	−18 52.1	2.644	3.559	7.6	19.2
4 21	14 59.28	−18 35.0	2.578	3.552	4.7	19.0
5 1	14 51.54	−18 12.1	2.540	3.544	1.5	18.8
5 11	14 43.49	−17 45.6	2.531	3.536	1.9	18.8
5 21	14 35.83	−17 18.1	2.552	3.528	5.1	19.0
5 31	14 29.20	−16 52.8	2.601	3.519	8.1	19.2
6 10	14 24.09	−16 32.6	2.673	3.510	10.8	19.3

501299 2013 WB_{68} 5 4.9 259°.33 2°.0/ 6.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 16.02	−21 57.3	1.990	2.821	13.5	20.8
4 11	15 10.29	−22 9.1	1.890	2.802	10.4	20.6
4 21	15 2.21	−22 10.4	1.813	2.782	6.7	20.3
5 1	14 52.44	−22 1.0	1.762	2.763	3.0	20.0
5 11	14 41.99	−21 42.4	1.739	2.742	3.0	20.0
5 21	14 31.96	−21 17.7	1.743	2.721	6.8	20.2
5 31	14 23.39	−20 51.5	1.774	2.700	10.8	20.4
6 10	14 17.08	−20 29.0	1.827	2.678	14.4	20.6

4776 Luyi 5 4.9 256°.24 2°.4/ 6.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 17.35	−22 55.3	1.778	2.610	14.8	18.5
4 11	15 11.57	−23 3.9	1.678	2.590	11.4	18.2
4 21	15 3.13	−22 59.8	1.600	2.570	7.5	17.9
5 1	14 52.73	−22 42.2	1.548	2.548	3.5	17.6
5 11	14 41.53	−22 13.0	1.523	2.527	3.4	17.6
5 21	14 30.80	−21 36.0	1.525	2.504	7.5	17.8
5 31	14 21.74	−20 57.3	1.553	2.481	11.9	18.0
6 10	14 15.24	−20 23.2	1.602	2.457	15.8	18.1

429565 2011 CK_{106} 5 4.9 97°.12 1°.6/ 5.9 15

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 14.79	−21 57.5	1.809	2.647	14.3	22.4
4 11	15 9.15	−21 50.0	1.744	2.660	10.8	22.2
4 21	15 1.32	−21 30.2	1.700	2.673	6.8	22.0
5 1	14 52.12	−20 59.3	1.683	2.685	2.8	21.8
5 11	14 42.66	−20 20.7	1.693	2.698	2.8	21.8
5 21	14 34.00	−19 39.2	1.730	2.710	6.7	22.1
5 31	14 27.05	−19 0.1	1.793	2.722	10.5	22.3
6 10	14 22.38	−18 28.3	1.878	2.734	13.8	22.5

383363 2006 SQ_{41} 5 4.9 156°.09 1°.8/ 3.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 9.85	−12 10.2	2.656	3.504	9.9	21.5
4 11	15 4.87	−11 27.2	2.583	3.510	7.3	21.3
4 21	14 58.50	−10 40.3	2.536	3.515	4.4	21.1
5 1	14 51.30	− 9 52.7	2.518	3.520	1.9	21.0
5 11	14 43.93	− 9 8.0	2.529	3.525	3.2	21.1
5 21	14 37.02	− 8 29.3	2.568	3.529	6.0	21.3
5 31	14 31.15	− 7 59.5	2.635	3.533	8.8	21.4
6 10	14 26.75	− 7 40.4	2.724	3.537	11.3	21.6

177401 2004 BK_{107} 5 4.9 104°.27 0°.8/ 5.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 17.41	−19 0.7	1.707	2.551	14.8	20.5
4 11	15 11.14	−19 2.3	1.645	2.566	11.0	20.3
4 21	15 2.53	−18 54.0	1.605	2.581	6.7	20.1
5 1	14 52.47	−18 37.1	1.591	2.596	2.2	19.8
5 11	14 42.13	−18 14.6	1.605	2.610	2.8	19.9
5 21	14 32.67	−17 50.8	1.646	2.624	7.2	20.2
5 31	14 25.04	−17 30.2	1.712	2.638	11.2	20.5
6 10	14 19.87	−17 16.8	1.800	2.651	14.6	20.7

297737 2001 XB_{2} 5 4.9 127°.04 11°.2/11.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 31.54	−44 30.5	1.910	2.620	18.1	21.0
4 11	15 22.64	−46 9.4	1.844	2.639	15.9	20.9
4 21	15 10.01	−47 23.6	1.798	2.656	13.7	20.8
5 1	14 54.71	−48 4.9	1.773	2.673	11.9	20.7
5 11	14 38.51	−48 9.8	1.773	2.689	11.2	20.7
5 21	14 23.36	−47 40.6	1.798	2.704	11.7	20.7
5 31	14 10.94	−46 45.4	1.846	2.719	13.2	20.9
6 10	14 2.24	−45 35.7	1.915	2.732	15.1	21.0

388906 2008 SC_{67} 5 4.9 184°.56 10°.3/13.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 29.72	−51 40.6	2.841	3.469	14.2	21.5
4 11	15 20.92	−53 9.5	2.752	3.469	13.0	21.4
4 21	15 8.89	−54 18.3	2.683	3.469	11.8	21.3
5 1	14 54.42	−55 0.8	2.636	3.468	10.8	21.2
5 11	14 38.85	−55 13.6	2.613	3.466	10.3	21.1
5 21	14 23.76	−54 57.0	2.614	3.463	10.5	21.2
5 31	14 10.64	−54 15.5	2.639	3.460	11.3	21.2
6 10	14 0.54	−53 16.9	2.685	3.457	12.4	21.3

499426 2010 CN_{120} 5 4.9 208°.63 5°.0/ 8.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 16.58	−33 22.3	2.572	3.344	12.4	22.4
4 11	15 10.30	−33 41.7	2.474	3.337	10.2	22.2
4 21	15 2.00	−33 46.0	2.400	3.329	7.8	22.1
5 1	14 52.35	−33 33.3	2.351	3.320	5.7	21.9
5 11	14 42.25	−33 4.1	2.331	3.311	5.0	21.9
5 21	14 32.62	−32 21.2	2.339	3.301	6.4	21.9
5 31	14 24.33	−31 29.3	2.374	3.291	8.9	22.1
6 10	14 18.03	−30 34.3	2.433	3.280	11.4	22.2

420313 2011 YQ_{62} 5 4.9 291°.23 3°.3/10.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
4 1	15 5.29	−35 15.2	4.352	5.106	8.0	20.5
4 11	15 1.27	−35 5.3	4.252	5.101	6.6	20.4
4 21	14 56.27	−34 44.9	4.177	5.095	5.1	20.3
5 1	14 50.67	−34 14.0	4.128	5.089	3.8	20.2
5 11	14 44.93	−33 33.7	4.108	5.083	3.3	20.1
5 21	14 39.47	−32 46.0	4.117	5.078	4.0	20.2
5 31	14 34.72	−31 53.5	4.154	5.072	5.4	20.3
6 10	14 30.99	−30 59.1	4.217	5.066	6.9	20.4

242998 2006 TB_{34} 5 4.9 238°.59 2°.8/ 2.5 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 10.15	− 9 18.2	2.399	3.253	10.7	21.2
4 11	15 5.32	− 8 37.1	2.316	3.244	7.9	21.0
4 21	14 58.89	− 7 53.5	2.258	3.235	4.9	20.8
5 1	14 51.45	− 7 10.9	2.227	3.226	2.8	20.7
5 11	14 43.71	− 6 33.3	2.226	3.217	4.1	20.7
5 21	14 36.40	− 6 4.0	2.252	3.207	7.1	20.9
5 31	14 30.19	− 5 45.8	2.303	3.197	10.1	21.1
6 10	14 25.60	− 5 40.2	2.378	3.187	12.8	21.3

475749 2006 WG_{127} 5 4.9 176°.40 5°.4/10.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 12.90	−37 33.4	2.912	3.660	11.6	21.7
4 11	15 7.35	−37 44.0	2.822	3.662	9.8	21.6
4 21	15 0.11	−37 38.6	2.755	3.663	7.8	21.5
5 1	14 51.79	−37 16.1	2.713	3.664	6.1	21.4
5 11	14 43.19	−36 37.2	2.698	3.664	5.4	21.3
5 21	14 35.09	−35 44.7	2.711	3.664	6.2	21.4
5 31	14 28.23	−34 43.0	2.751	3.664	8.0	21.5
6 10	14 23.10	−33 37.6	2.816	3.664	10.0	21.6

57579 2001 TD_{67} 5 4.9 148°.93 0°.8/ 4.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 12.47	−14 18.7	2.369	3.214	11.1	19.6
4 11	15 7.01	−14 11.6	2.293	3.217	8.2	19.4
4 21	14 59.89	−14 0.2	2.242	3.221	4.9	19.2
5 1	14 51.73	−13 46.1	2.218	3.224	1.4	19.0
5 11	14 43.30	−13 31.9	2.224	3.227	2.6	19.1
5 21	14 35.37	−13 20.3	2.258	3.230	6.0	19.3
5 31	14 28.65	−13 13.8	2.319	3.232	9.2	19.5
6 10	14 23.64	−13 14.5	2.403	3.235	12.0	19.7

423481 2005 TL_{9} 5 4.9 168°.19 2°.4/ 6.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 17.88	−23 2.1	2.187	3.006	12.8	22.1
4 11	15 11.28	−23 23.0	2.105	3.010	9.8	22.0
4 21	15 2.60	−23 33.7	2.048	3.013	6.5	21.7
5 1	14 52.53	−23 33.7	2.018	3.016	3.2	21.5
5 11	14 42.05	−23 24.3	2.017	3.019	3.0	21.5
5 21	14 32.16	−23 8.1	2.045	3.021	6.2	21.7
5 31	14 23.75	−22 49.2	2.100	3.022	9.6	21.9
6 10	14 17.45	−22 32.0	2.178	3.023	12.6	22.1

151002 2001 UF_{57} 5 4.9 181°.34 1°.4/ 5.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 15.58	−21 43.7	2.348	3.171	11.9	22.0
4 11	15 9.42	−21 39.4	2.263	3.172	9.0	21.8
4 21	15 1.40	−21 25.2	2.203	3.173	5.7	21.6
5 1	14 52.18	−21 1.8	2.171	3.173	2.4	21.4
5 11	14 42.62	−20 31.6	2.168	3.172	2.4	21.4
5 21	14 33.61	−19 58.0	2.194	3.171	5.8	21.6
5 31	14 25.92	−19 24.9	2.247	3.168	9.1	21.8
6 10	14 20.12	−18 56.6	2.324	3.165	12.0	22.0

69688 1998 HD_{25} 5 4.9 114°.29 2°.9/ 2.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 15.52	−11 43.5	1.700	2.558	14.1	20.0
4 11	15 9.57	−10 46.9	1.644	2.576	10.3	19.8
4 21	15 1.49	− 9 45.2	1.613	2.593	6.2	19.6
5 1	14 52.17	− 8 43.7	1.607	2.609	3.0	19.4
5 11	14 42.71	− 7 48.6	1.630	2.625	4.7	19.6
5 21	14 34.13	− 7 4.8	1.679	2.641	8.6	19.8
5 31	14 27.29	− 6 36.1	1.753	2.656	12.3	20.1
6 10	14 22.73	− 6 23.9	1.847	2.670	15.4	20.3

522389 2016 CS_{306} 5 4.9 341°.00 2°.3/ 3.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 9.94	−14 27.0	1.231	2.112	16.8	21.1
4 11	15 6.44	−13 37.7	1.162	2.105	12.5	20.8
4 21	15 0.12	−12 37.2	1.113	2.098	7.5	20.5
5 1	14 51.88	−11 31.3	1.087	2.092	2.7	20.2
5 11	14 43.09	−10 28.0	1.085	2.086	4.9	20.3
5 21	14 35.14	− 9 35.3	1.106	2.082	10.2	20.6
5 31	14 29.25	− 8 59.7	1.149	2.078	15.1	20.8
6 10	14 26.21	− 8 44.6	1.210	2.075	19.3	21.1

476349 2008 AC_{127} 5 4.9 153°.25 3°.9/ 8.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 13.06	−30 8.7	2.496	3.291	12.1	22.3
4 11	15 7.58	−30 19.2	2.413	3.295	9.7	22.1
4 21	15 0.30	−30 15.7	2.354	3.299	7.0	22.0
5 1	14 51.87	−29 57.7	2.320	3.302	4.7	21.8
5 11	14 43.13	−29 26.7	2.315	3.306	4.0	21.8
5 21	14 34.92	−28 45.8	2.337	3.309	5.8	21.9
5 31	14 28.01	−27 59.4	2.387	3.312	8.5	22.1
6 10	14 22.95	−27 12.8	2.460	3.314	11.0	22.2

463205 2012 CZ_{39} 5 4.9 75°.72 0°.8/ 5.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
4 1	15 15.43	−20 5.2	1.478	2.331	16.1	21.3
4 11	15 9.92	−19 44.8	1.422	2.348	12.0	21.0
4 21	15 1.88	−19 11.4	1.388	2.365	7.3	20.8
5 1	14 52.31	−18 27.5	1.378	2.383	2.4	20.5
5 11	14 42.52	−17 38.2	1.394	2.400	3.0	20.6
5 21	14 33.76	−16 49.7	1.436	2.417	7.8	21.0
5 31	14 27.02	−16 8.1	1.503	2.433	12.1	21.2
6 10	14 22.90	−15 38.1	1.590	2.450	15.7	21.5

170418 2003 UC_{56} 5 4.9 288°.19 4°.9/30.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 9.59	− 6 58.3	1.855	2.722	12.7	20.0
4 11	15 5.37	− 5 37.7	1.771	2.704	9.6	19.7
4 21	14 59.15	− 4 13.2	1.710	2.686	6.4	19.5
5 1	14 51.58	− 2 51.5	1.677	2.668	4.9	19.4
5 11	14 43.57	− 1 39.7	1.670	2.650	6.6	19.4
5 21	14 36.05	− 0 43.7	1.689	2.632	10.0	19.6
5 31	14 29.91	− 0 7.7	1.732	2.614	13.5	19.8
6 10	14 25.76	+ 0 6.9	1.794	2.596	16.6	19.9

282627 2005 PO_{24} 5 4.9 90°.86 9°.1/11.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 19.93	−39 27.8	1.777	2.538	17.5	20.6
4 11	15 13.66	−40 25.5	1.708	2.550	15.0	20.4
4 21	15 4.39	−40 59.5	1.659	2.562	12.3	20.3
5 1	14 53.09	−41 4.8	1.632	2.574	10.0	20.2
5 11	14 41.24	−40 40.8	1.629	2.586	9.1	20.1
5 21	14 30.35	−39 51.2	1.651	2.597	9.9	20.2
5 31	14 21.73	−38 44.1	1.696	2.608	12.1	20.4
6 10	14 16.14	−37 29.3	1.763	2.620	14.6	20.5

439995 2002 AW_{73} 5 4.9 149°.05 1°.6/ 6.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 7.37	−25 2.0	3.906	4.711	7.9	22.2
4 11	15 2.77	−24 51.3	3.823	4.719	6.1	22.1
4 21	14 57.17	−24 33.2	3.766	4.726	4.0	21.9
5 1	14 50.96	−24 8.2	3.738	4.733	2.1	21.8
5 11	14 44.61	−23 38.0	3.739	4.740	1.8	21.8
5 21	14 38.59	−23 4.6	3.771	4.747	3.6	21.9
5 31	14 33.30	−22 30.4	3.831	4.753	5.7	22.1
6 10	14 29.08	−21 57.9	3.916	4.759	7.5	22.2

136185 2003 UH_{210} 5 4.9 256°.18 1°.0/ 5.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 18.08	−18 0.2	1.622	2.469	15.2	20.3
4 11	15 12.16	−18 21.2	1.536	2.459	11.5	20.0
4 21	15 3.49	−18 34.5	1.472	2.449	7.2	19.7
5 1	14 52.88	−18 39.9	1.434	2.439	2.4	19.4
5 11	14 41.53	−18 39.2	1.423	2.428	3.0	19.4
5 21	14 30.77	−18 35.3	1.438	2.417	7.9	19.7
5 31	14 21.85	−18 32.5	1.478	2.406	12.4	19.9
6 10	14 15.61	−18 35.1	1.539	2.395	16.4	20.1

132330 2002 GY_{33} 5 4.9 240°.31 2°.2/ 6.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 17.58	−22 10.8	2.218	3.039	12.6	19.9
4 11	15 11.23	−22 36.3	2.119	3.025	9.7	19.7
4 21	15 2.70	−22 53.1	2.044	3.010	6.4	19.4
5 1	14 52.62	−23 0.3	1.996	2.995	3.1	19.2
5 11	14 41.92	−22 58.6	1.977	2.980	3.0	19.2
5 21	14 31.62	−22 50.0	1.987	2.963	6.3	19.3
5 31	14 22.67	−22 38.4	2.024	2.947	9.9	19.5
6 10	14 15.80	−22 27.9	2.085	2.929	13.1	19.7

103691 2000 CG_{72} 5 4.9 147°.58 0°.6/ 5.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 12.42	−19 32.7	2.153	2.992	12.3	21.0
4 11	15 7.17	−19 16.4	2.076	2.996	9.2	20.8
4 21	15 0.08	−18 50.9	2.024	2.999	5.6	20.6
5 1	14 51.82	−18 17.8	1.998	3.003	1.8	20.3
5 11	14 43.27	−17 40.3	2.001	3.006	2.3	20.4
5 21	14 35.32	−17 2.4	2.032	3.009	6.1	20.6
5 31	14 28.72	−16 28.4	2.089	3.012	9.6	20.8
6 10	14 24.02	−16 1.8	2.169	3.015	12.6	21.0

311472 2005 UL_{495} 5 4.9 209°.22 0°.8/ 4.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 11.84	−13 20.8	3.149	3.985	8.9	21.6
4 11	15 6.24	−13 13.7	3.058	3.978	6.5	21.4
4 21	14 59.35	−13 3.6	2.993	3.970	3.9	21.2
5 1	14 51.61	−12 52.0	2.957	3.962	1.2	21.0
5 11	14 43.61	−12 40.6	2.952	3.954	2.2	21.1
5 21	14 35.93	−12 31.5	2.977	3.945	5.0	21.3
5 31	14 29.13	−12 26.5	3.030	3.935	7.6	21.4
6 10	14 23.63	−12 27.2	3.108	3.925	9.9	21.6

497761 2006 SO_{297} 5 4.9 262°.54 5°.3/30.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 11.84	− 7 34.2	1.701	2.568	13.6	21.7
4 11	15 7.21	− 5 59.0	1.618	2.551	10.3	21.4
4 21	15 0.34	− 4 17.8	1.558	2.534	6.9	21.2
5 1	14 51.95	− 2 38.5	1.525	2.516	5.3	21.1
5 11	14 43.06	− 1 9.7	1.519	2.498	7.2	21.1
5 21	14 34.73	+ 0 1.1	1.538	2.480	10.9	21.3
5 31	14 27.93	+ 0 48.9	1.581	2.461	14.7	21.5
6 10	14 23.36	+ 1 12.2	1.642	2.442	18.0	21.7

218579 2005 JJ_{112} 5 4.9 299°.34 7°.6/30.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
4 1	15 15.03	− 0 19.1	1.481	2.348	15.3	20.3
4 11	15 10.07	+ 0 25.4	1.392	2.319	12.1	20.0
4 21	15 2.35	+ 1 4.7	1.323	2.290	9.0	19.7
5 1	14 52.59	+ 1 31.4	1.279	2.261	7.6	19.6
5 11	14 41.97	+ 1 38.5	1.259	2.232	9.3	19.6
5 21	14 31.79	+ 1 21.7	1.263	2.203	12.9	19.7
5 31	14 23.34	+ 0 39.8	1.289	2.175	17.0	19.8
6 10	14 17.54	− 0 25.5	1.333	2.146	20.7	20.0

11797 Warell 5 4.9 312°.05 7°.0/ 8.1 18

4 1	15 15.89	−30 59.8	1.649	2.462	16.6	17.3
4 11	15 10.99	−32 3.5	1.554	2.442	13.7	17.1
4 21	15 3.07	−32 51.5	1.480	2.423	10.5	16.8
5 1	14 52.84	−33 19.2	1.428	2.404	7.7	16.6
5 11	14 41.56	−33 24.4	1.402	2.386	7.1	16.5
5 21	14 30.72	−33 8.6	1.400	2.368	9.3	16.6
5 31	14 21.78	−32 37.7	1.421	2.351	12.7	16.8
6 10	14 15.80	−31 59.9	1.464	2.334	16.3	16.9

42638 1998 FL_{62} 5 4.9 248°.23 0°.3/ 4.7 17

4 1	15 13.29	−18 22.7	1.570	2.426	15.2	18.7
4 11	15 8.46	−17 43.5	1.492	2.421	11.3	18.5
4 21	15 1.15	−16 51.3	1.436	2.416	6.8	18.2
5 1	14 52.18	−15 49.7	1.405	2.411	1.9	17.9
5 11	14 42.75	−14 44.2	1.401	2.406	3.2	18.0
5 21	14 34.05	−13 41.9	1.423	2.400	8.2	18.2
5 31	14 27.15	−12 49.3	1.469	2.395	12.6	18.5
6 10	14 22.76	−12 11.4	1.535	2.389	16.5	18.7

230944 2004 XA_{35} 5 4.9 149°.73 1°.8/ 6.3 17

4 1	15 13.32	−23 18.0	2.184	3.010	12.6	21.2
4 11	15 7.85	−23 6.9	2.106	3.015	9.6	21.0
4 21	15 0.50	−22 43.9	2.052	3.021	6.2	20.8
5 1	14 51.96	−22 10.1	2.025	3.026	2.8	20.6
5 11	14 43.13	−21 28.4	2.026	3.030	2.6	20.6
5 21	14 34.92	−20 42.9	2.056	3.034	5.9	20.8
5 31	14 28.10	−19 58.4	2.112	3.038	9.3	21.1
6 10	14 23.24	−19 19.4	2.191	3.042	12.3	21.3

396018 2013 BH_{80} 5 4.9 354°.48 6°.3/30.2 18

4 1	15 11.63	+ 3 8.7	2.259	3.107	11.5	20.4
4 11	15 6.40	+ 3 41.6	2.194	3.106	9.1	20.3
4 21	14 59.54	+ 4 7.0	2.153	3.105	7.1	20.1
5 1	14 51.68	+ 4 20.3	2.138	3.105	6.3	20.1
5 11	14 43.59	+ 4 18.4	2.151	3.104	7.4	20.2
5 21	14 36.03	+ 3 59.8	2.189	3.104	9.5	20.3
5 31	14 29.68	+ 3 24.6	2.252	3.104	11.9	20.4
6 10	14 25.03	+ 2 34.2	2.335	3.104	14.1	20.6

362040 2009 AA_{26} 5 4.9 346°.57 6°.7/ 1.4 17

4 1	15 11.12	− 5 8.8	1.141	2.030	17.3	20.3
4 11	15 7.40	− 4 10.6	1.080	2.023	13.1	20.1
4 21	15 0.74	− 3 13.4	1.039	2.018	9.0	19.8
5 1	14 52.10	− 2 25.6	1.019	2.013	6.7	19.7
5 11	14 42.92	− 1 55.6	1.023	2.009	8.7	19.8
5 21	14 34.64	− 1 49.0	1.048	2.006	12.9	20.0
5 31	14 28.53	− 2 7.8	1.093	2.004	17.3	20.2
6 10	14 25.37	− 2 50.3	1.155	2.003	21.2	20.5

381180 2007 LF_{13} 5 4.9 238°.28 7°.7/29.2 17

4 1	15 12.20	+ 2 53.8	1.875	2.731	13.1	21.0
4 11	15 7.13	+ 3 58.5	1.813	2.729	10.5	20.8
4 21	15 0.11	+ 4 55.7	1.773	2.726	8.3	20.7
5 1	14 51.86	+ 5 38.8	1.759	2.723	7.7	20.7
5 11	14 43.33	+ 6 2.5	1.771	2.720	9.0	20.7
5 21	14 35.42	+ 6 4.2	1.807	2.717	11.5	20.9
5 31	14 28.95	+ 5 43.3	1.866	2.714	14.2	21.0
6 10	14 24.49	+ 5 2.0	1.943	2.711	16.6	21.2

93969 2000 XQ_5 5 4.9 278°.76 6°.7/10.1 18

4 1	15 13.90	−35 55.8	1.883	2.667	15.9	18.7
4 11	15 9.01	−36 4.5	1.789	2.656	13.3	18.5
4 21	15 1.56	−35 50.5	1.716	2.645	10.4	18.2
5 1	14 52.34	−35 11.3	1.666	2.633	7.7	18.1
5 11	14 42.54	−34 7.8	1.641	2.622	6.7	18.0
5 21	14 33.43	−32 45.0	1.642	2.610	8.2	18.0
5 31	14 26.13	−31 10.8	1.668	2.599	11.1	18.2
6 10	14 21.40	−29 35.0	1.717	2.587	14.3	18.3

181592 2006 VW_{146} 5 4.9 307°.84 5°.8/ 2.1 18

4 1	15 14.58	− 3 53.1	1.448	2.319	15.4	19.4
4 11	15 9.60	− 3 24.9	1.372	2.305	11.8	19.1
4 21	15 1.95	− 3 0.1	1.317	2.292	8.1	18.9
5 1	14 52.46	− 2 44.6	1.286	2.278	5.8	18.7
5 11	14 42.34	− 2 43.6	1.280	2.266	7.4	18.7
5 21	14 32.87	− 3 0.5	1.298	2.253	11.3	18.9
5 31	14 25.24	− 3 36.5	1.339	2.241	15.4	19.1
6 10	14 20.25	− 4 30.5	1.398	2.229	19.0	19.3

208569 2002 CF_{23} 5 4.9 120°.30 2°.5/ 3.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
4 1	15 13.91	−14 6.7	1.515	2.379	15.2	20.4
4 11	15 8.76	−13 1.2	1.452	2.386	11.2	20.2
4 21	15 1.22	−11 46.5	1.412	2.394	6.7	19.9
5 1	14 52.19	−10 28.6	1.397	2.401	2.7	19.7
5 11	14 42.89	− 9 14.8	1.409	2.407	4.7	19.9
5 21	14 34.47	− 8 12.3	1.446	2.414	9.1	20.1
5 31	14 27.91	− 7 26.6	1.508	2.420	13.3	20.4
6 10	14 23.83	− 7 0.1	1.589	2.426	16.8	20.6

510467 2011 WR_{62} 5 4.9 288°.95 3°.3/ 7.9 18

4 1	15 10.48	−28 42.8	2.340	3.148	12.4	20.7
4 11	15 5.78	−28 29.6	2.253	3.146	9.8	20.5
4 21	14 59.29	−28 1.4	2.189	3.143	6.9	20.3
5 1	14 51.64	−27 18.6	2.151	3.141	4.1	20.1
5 11	14 43.69	−26 23.8	2.140	3.138	3.5	20.1
5 21	14 36.28	−25 21.2	2.158	3.136	5.8	20.2
5 31	14 30.17	−24 16.1	2.202	3.133	8.8	20.4
6 10	14 25.90	−23 14.2	2.271	3.131	11.6	20.6

210673 2000 QQ_{198} 5 4.9 265°.73 0°.0/ 4.8 17

4 1	15 16.22	−17 37.6	1.598	2.450	15.2	21.0
4 11	15 10.89	−17 27.7	1.504	2.430	11.5	20.7
4 21	15 2.81	−17 7.5	1.432	2.410	7.0	20.4
5 1	14 52.75	−16 38.6	1.384	2.390	2.1	20.0
5 11	14 41.88	−16 4.5	1.364	2.369	3.2	20.1
5 21	14 31.52	−15 30.3	1.370	2.348	8.3	20.3
5 31	14 22.93	−15 1.7	1.400	2.326	13.1	20.5
6 10	14 16.99	−14 43.8	1.450	2.304	17.3	20.7

503399 2016 CF_{207} 5 4.9 31°.77 2°.4/ 3.6 17

4 1	15 12.21	−13 26.7	1.186	2.067	17.3	21.1
4 11	15 8.00	−12 48.2	1.134	2.076	12.8	20.8
4 21	15 0.96	−12 1.8	1.101	2.086	7.6	20.6
5 1	14 52.15	−11 13.2	1.092	2.096	2.9	20.3
5 11	14 43.02	−10 29.2	1.106	2.108	4.9	20.5
5 21	14 34.97	− 9 56.5	1.144	2.120	9.9	20.8
5 31	14 29.11	− 9 39.5	1.204	2.132	14.6	21.1
6 10	14 26.12	− 9 40.3	1.282	2.146	18.5	21.3

228582 2001 YJ_{112} 5 4.9 182°.22 3°.2/ 7.3 17 R

4 1	15 15.45	−26 55.6	2.184	2.995	13.1	20.9
4 11	15 9.57	−26 59.4	2.100	2.995	10.3	20.8
4 21	15 1.63	−26 49.5	2.038	2.996	7.1	20.6
5 1	14 52.34	−26 25.3	2.003	2.996	4.1	20.4
5 11	14 42.67	−25 48.9	1.996	2.995	3.5	20.3
5 21	14 33.60	−25 4.1	2.017	2.994	6.2	20.5
5 31	14 25.99	−24 16.2	2.065	2.992	9.5	20.7
6 10	14 20.48	−23 30.6	2.136	2.990	12.5	20.9

59745 1999 LF_{13} 5 4.9 62°.13 0°.9/ 5.6 18

4 1	15 11.71	−22 40.9	1.645	2.491	15.1	18.5
4 11	15 7.05	−21 46.3	1.579	2.502	11.3	18.3
4 21	15 0.15	−20 35.1	1.536	2.512	7.0	18.1
5 1	14 51.90	−19 11.2	1.519	2.523	2.4	17.8
5 11	14 43.44	−17 41.2	1.528	2.534	2.7	17.8
5 21	14 35.84	−16 12.8	1.565	2.545	7.2	18.1
5 31	14 30.00	−14 53.8	1.626	2.556	11.4	18.4
6 10	14 26.48	−13 49.6	1.709	2.567	14.9	18.6

87900 2000 SJ_{306} 5 4.9 249°.11 2°.1/ 6.8 18

4 1	15 10.45	−25 9.4	2.357	3.179	11.9	19.8
4 11	15 5.72	−24 48.4	2.268	3.173	9.2	19.6
4 21	14 59.25	−24 14.5	2.203	3.168	6.1	19.4
5 1	14 51.66	−23 28.6	2.164	3.163	3.0	19.2
5 11	14 43.75	−22 33.8	2.154	3.157	2.6	19.1
5 21	14 36.35	−21 34.4	2.172	3.152	5.6	19.3
5 31	14 30.19	−20 35.3	2.217	3.146	8.8	19.5
6 10	14 25.81	−19 41.5	2.286	3.140	11.8	19.7

408875 2001 TQ_{123} 5 4.9 253°.72 2°.7/ 6.7 17

4 1	15 16.75	−25 25.8	1.711	2.539	15.4	22.1
4 11	15 11.25	−25 7.0	1.610	2.518	12.0	21.9
4 21	15 3.02	−24 29.8	1.530	2.497	8.0	21.6
5 1	14 52.83	−23 34.1	1.475	2.474	3.9	21.3
5 11	14 41.86	−22 23.1	1.447	2.451	3.5	21.2
5 21	14 31.44	−21 3.2	1.447	2.427	7.7	21.4
5 31	14 22.80	−19 42.9	1.471	2.402	12.3	21.6
6 10	14 16.81	−18 30.6	1.518	2.376	16.4	21.8

347452 2012 TL_{242} 5 4.9 304°.44 0°.4/ 4.4 18

4 1	15 4.39	−15 13.2	4.029	4.868	7.0	21.1
4 11	15 0.62	−14 59.3	3.935	4.857	5.2	20.9
4 21	14 55.94	−14 42.1	3.868	4.846	3.1	20.8
5 1	14 50.69	−14 22.9	3.830	4.835	0.9	20.6
5 11	14 45.26	−14 3.4	3.821	4.824	1.6	20.6
5 21	14 40.06	−13 45.3	3.842	4.814	3.8	20.8
5 31	14 35.46	−13 30.2	3.891	4.803	5.9	20.9
6 10	14 31.79	−13 19.6	3.965	4.792	7.7	21.0

180507 2004 CA_{118} 5 4.9 123°.96 0°.6/ 5.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
4 1	15 15.86	−19 54.7	1.840	2.680	14.0	21.3
4 11	15 9.89	−19 32.0	1.775	2.694	10.4	21.1
4 21	15 1.78	−18 58.2	1.732	2.708	6.4	20.8
5 1	14 52.37	−18 15.4	1.716	2.720	2.0	20.6
5 11	14 42.72	−17 27.8	1.728	2.733	2.6	20.6
5 21	14 33.88	−16 40.4	1.767	2.745	6.8	20.9
5 31	14 26.72	−15 58.6	1.832	2.756	10.7	21.2
6 10	14 21.81	−15 26.4	1.920	2.767	14.0	21.4

504539 2008 ST_{90} 5 4.9 227°.58 0°.5/ 4.5 18

4 1	15 12.35	−17 1.3	2.246	3.088	11.7	22.2
4 11	15 7.15	−16 27.6	2.156	3.079	8.7	22.0
4 21	15 0.14	−15 45.5	2.090	3.069	5.2	21.8
5 1	14 51.94	−14 57.5	2.052	3.058	1.5	21.5
5 11	14 43.37	−14 7.5	2.043	3.047	2.6	21.6
5 21	14 35.27	−13 19.6	2.063	3.035	6.4	21.8
5 31	14 28.43	−12 38.4	2.108	3.023	9.9	22.0
6 10	14 23.40	−12 7.2	2.177	3.011	13.0	22.1

353667 2011 US_{193} 5 4.9 267°.56 3°.9/ 1.5 18

4 1	15 10.62	− 5 54.2	2.387	3.242	10.7	21.0
4 11	15 5.79	− 5 6.4	2.294	3.221	8.1	20.8
4 21	14 59.30	− 4 17.7	2.226	3.199	5.4	20.6
5 1	14 51.70	− 3 32.3	2.186	3.177	3.9	20.5
5 11	14 43.72	− 2 54.6	2.174	3.155	5.2	20.5
5 21	14 36.09	− 2 28.0	2.189	3.133	8.0	20.6
5 31	14 29.53	− 2 15.1	2.230	3.110	11.0	20.8
6 10	14 24.58	− 2 16.9	2.293	3.087	13.6	20.9

56874 2000 QX_{110} 5 4.9 85°.44 9°.8/23.8 18

4 1	15 9.31	+12 58.9	2.279	3.107	12.1	18.9
4 11	15 4.63	+14 52.4	2.247	3.122	10.6	18.8
4 21	14 58.45	+16 31.5	2.241	3.136	9.9	18.8
5 1	14 51.41	+17 49.2	2.259	3.151	10.1	18.8
5 11	14 44.26	+18 41.1	2.302	3.166	11.1	18.9
5 21	14 37.70	+19 5.6	2.366	3.180	12.6	19.0
5 31	14 32.36	+19 3.8	2.451	3.194	14.2	19.2
6 10	14 28.64	+18 38.7	2.552	3.209	15.6	19.3

366527 2002 QV_{8} 5 4.9 284°.95 2°.2/ 3.7 17

4 1	15 15.43	−12 18.1	1.623	2.483	14.6	21.7
4 11	15 10.32	−11 56.2	1.522	2.454	10.9	21.4
4 21	15 2.53	−11 28.4	1.444	2.425	6.7	21.1
5 1	14 52.73	−10 57.9	1.391	2.395	2.6	20.8
5 11	14 42.04	−10 29.2	1.364	2.364	4.4	20.8
5 21	14 31.72	−10 7.3	1.363	2.334	9.3	21.0
5 31	14 23.02	− 9 56.8	1.386	2.303	14.0	21.2
6 10	14 16.86	−10 1.0	1.430	2.271	18.1	21.4

205750 2002 CY_{18} 5 4.9 75°.87 1°.7/ 5.8 16

4 1	15 17.03	−21 1.6	1.374	2.227	17.1	20.9
4 11	15 11.42	−21 2.6	1.315	2.240	12.9	20.7
4 21	15 2.99	−20 49.6	1.277	2.253	8.1	20.5
5 1	14 52.77	−20 23.8	1.262	2.266	3.1	20.2
5 11	14 42.19	−19 49.2	1.274	2.279	3.3	20.2
5 21	14 32.67	−19 11.5	1.310	2.292	8.1	20.6
5 31	14 25.37	−18 37.4	1.370	2.305	12.7	20.8
6 10	14 20.95	−18 12.4	1.450	2.318	16.5	21.1

40027 1998 JH_{4} 5 4.9 290°.93 1°.5/ 3.9 18

4 1	15 12.65	−13 33.0	1.809	2.667	13.4	19.2
4 11	15 7.69	−13 11.0	1.732	2.663	9.9	19.0
4 21	15 0.60	−12 43.3	1.677	2.658	5.9	18.7
5 1	14 52.09	−12 12.9	1.649	2.653	2.0	18.4
5 11	14 43.17	−11 43.9	1.647	2.649	3.5	18.5
5 21	14 34.86	−11 20.3	1.673	2.645	7.7	18.8
5 31	14 28.06	−11 6.0	1.723	2.640	11.6	19.0
6 10	14 23.43	−11 3.3	1.794	2.636	15.0	19.2

196742 2003 SO_{137} 5 4.9 181°.17 0°.1/ 4.8 18

4 1	15 12.21	−17 44.5	2.171	3.014	12.0	20.7
4 11	15 7.04	−17 19.8	2.092	3.015	8.9	20.5
4 21	15 0.05	−16 46.8	2.037	3.015	5.4	20.3
5 1	14 51.91	−16 7.7	2.010	3.015	1.5	20.0
5 11	14 43.47	−15 26.0	2.010	3.015	2.4	20.1
5 21	14 35.59	−14 46.0	2.039	3.014	6.3	20.3
5 31	14 29.02	−14 11.5	2.094	3.013	9.8	20.5
6 10	14 24.31	−13 46.0	2.172	3.012	12.8	20.7

471333 2011 LJ_{15} 5 4.9 297°.13 1°.6/ 5.9 16

4 1	15 12.61	−21 17.0	1.810	2.653	14.1	21.6
4 11	15 7.96	−21 17.1	1.714	2.633	10.8	21.3
4 21	15 0.95	−21 5.6	1.640	2.614	6.9	21.1
5 1	14 52.24	−20 43.1	1.591	2.594	2.8	20.8
5 11	14 42.88	−20 12.0	1.570	2.575	2.9	20.7
5 21	14 33.99	−19 36.5	1.574	2.555	7.1	20.9
5 31	14 26.62	−19 2.0	1.604	2.536	11.4	21.1
6 10	14 21.57	−18 33.7	1.656	2.517	15.1	21.3

181552 2006 UK_{266} 5 4.9 282°.14 0°.8/ 4.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
4 1	15 10.75	−15 29.4	2.164	3.014	11.8	20.6
4 11	15 6.08	−15 5.1	2.072	2.999	8.8	20.4
4 21	14 59.56	−14 33.8	2.004	2.984	5.2	20.1
5 1	14 51.80	−13 58.1	1.963	2.969	1.5	19.8
5 11	14 43.62	−13 21.5	1.950	2.954	2.8	19.9
5 21	14 35.87	−12 47.9	1.965	2.938	6.6	20.1
5 31	14 29.35	−12 21.0	2.006	2.923	10.2	20.3
6 10	14 24.67	−12 4.0	2.069	2.908	13.4	20.5

371109 2005 VZ_{74} 5 4.9 198°.89 1°.4/ 3.8 18

4 1	15 13.38	−14 19.6	2.279	3.124	11.5	22.2
4 11	15 7.81	−13 41.1	2.195	3.120	8.5	22.0
4 21	15 0.49	−12 56.2	2.137	3.116	5.1	21.7
5 1	14 52.04	−12 8.0	2.106	3.111	1.7	21.5
5 11	14 43.28	−11 20.6	2.105	3.105	3.1	21.6
5 21	14 35.03	−10 37.9	2.132	3.099	6.7	21.8
5 31	14 28.04	−10 3.8	2.186	3.092	10.0	22.0
6 10	14 22.84	− 9 40.9	2.262	3.085	12.9	22.2

334872 2003 UT_{194} 5 4.9 234°.10 0°.8/ 5.6 18

4 1	15 12.16	−20 41.7	2.103	2.941	12.6	21.5
4 11	15 7.15	−20 20.5	2.017	2.935	9.5	21.3
4 21	15 0.20	−19 48.4	1.954	2.928	5.9	21.1
5 1	14 51.98	−19 7.0	1.918	2.922	2.1	20.8
5 11	14 43.38	−18 19.8	1.910	2.915	2.4	20.8
5 21	14 35.31	−17 31.2	1.930	2.908	6.3	21.0
5 31	14 28.61	−16 46.2	1.976	2.901	9.9	21.2
6 10	14 23.87	−16 9.1	2.045	2.894	13.1	21.4

393139 2013 BU_{50} 5 4.9 170°.57 3°.4/ 2.0 17

4 1	15 10.74	− 5 48.1	2.572	3.423	10.1	21.3
4 11	15 5.62	− 5 17.7	2.500	3.425	7.6	21.1
4 21	14 59.07	− 4 48.1	2.453	3.426	5.0	20.9
5 1	14 51.62	− 4 22.4	2.434	3.428	3.4	20.8
5 11	14 43.96	− 4 3.8	2.445	3.429	4.5	20.9
5 21	14 36.75	− 3 54.7	2.482	3.429	7.0	21.1
5 31	14 30.60	− 3 56.4	2.546	3.430	9.6	21.2
6 10	14 25.95	− 4 9.6	2.633	3.430	12.0	21.4

146236 2000 WV_{148} 5 4.9 212°.41 4°.5/30.6 18

4 1	15 11.20	+ 0 7.9	3.007	3.848	9.1	21.0
4 11	15 5.80	+ 0 40.7	2.927	3.840	7.1	20.9
4 21	14 59.12	+ 1 9.7	2.874	3.832	5.2	20.7
5 1	14 51.64	+ 1 31.7	2.849	3.823	4.5	20.7
5 11	14 43.93	+ 1 43.9	2.853	3.814	5.4	20.7
5 21	14 36.57	+ 1 44.5	2.886	3.805	7.3	20.8
5 31	14 30.11	+ 1 32.7	2.944	3.795	9.5	21.0
6 10	14 24.96	+ 1 8.8	3.025	3.785	11.4	21.1

441733 2009 BV_{77} 5 4.9 14°.57 19°.2/14.2 18

4 1	15 26.14	−48 34.2	1.094	1.847	26.7	20.3
4 11	15 21.46	−51 10.0	1.035	1.848	24.5	20.1
4 21	15 10.92	−53 11.4	0.989	1.849	22.2	20.0
5 1	14 55.44	−54 22.2	0.958	1.850	20.3	19.9
5 11	14 37.79	−54 31.7	0.943	1.851	19.3	19.8
5 21	14 21.58	−53 40.6	0.945	1.853	19.5	19.8
5 31	14 9.99	−52 1.7	0.964	1.854	20.9	19.9
6 10	14 4.54	−49 55.5	0.998	1.857	22.9	20.0

502919 2015 EE_{22} 5 4.9 149°.90 5°.6/30.1 17

4 1	15 12.01	− 2 23.2	2.098	2.954	11.9	21.7
4 11	15 6.76	− 1 8.3	2.038	2.961	9.1	21.5
4 21	14 59.81	+ 0 4.1	2.003	2.968	6.6	21.4
5 1	14 51.84	+ 1 8.0	1.995	2.974	5.6	21.3
5 11	14 43.67	+ 1 58.2	2.015	2.980	7.0	21.4
5 21	14 36.12	+ 2 30.9	2.061	2.985	9.6	21.6
5 31	14 29.88	+ 2 44.6	2.131	2.990	12.3	21.8
6 10	14 25.45	+ 2 39.6	2.221	2.994	14.7	21.9

200164 1999 CG_{114} 5 4.9 76°.93 3°.4/ 2.9 18

4 1	15 17.16	−11 27.5	1.332	2.201	16.6	20.6
4 11	15 11.12	−10 27.8	1.291	2.228	12.1	20.4
4 21	15 2.56	− 9 23.4	1.273	2.254	7.3	20.2
5 1	14 52.60	− 8 21.0	1.279	2.281	3.6	20.1
5 11	14 42.62	− 7 27.7	1.311	2.307	5.5	20.2
5 21	14 33.86	− 6 49.2	1.368	2.333	9.8	20.6
5 31	14 27.26	− 6 28.9	1.447	2.358	13.9	20.9
6 10	14 23.34	− 6 27.2	1.547	2.383	17.3	21.1

503298 2016 AW_{61} 5 4.9 227°.35 5°.3/ 1.9 17

4 1	15 15.95	− 6 21.0	1.421	2.290	15.7	21.2
4 11	15 10.57	− 5 30.5	1.352	2.286	11.8	21.0
4 21	15 2.52	− 4 39.4	1.304	2.281	7.8	20.7
5 1	14 52.69	− 3 54.3	1.282	2.277	5.3	20.6
5 11	14 42.35	− 3 21.8	1.284	2.271	7.1	20.6
5 21	14 32.82	− 3 7.0	1.311	2.266	11.2	20.9
5 31	14 25.23	− 3 12.5	1.361	2.261	15.3	21.1
6 10	14 20.32	− 3 38.0	1.429	2.255	18.9	21.3

357508 2004 QP_7 5 4.9 303°.10 1°.1/ 5.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
4 1	15 13.51	−19 43.4	1.253	2.120	17.6	21.0
4 11	15 9.53	−19 39.9	1.167	2.100	13.4	20.7
4 21	15 2.33	−19 22.2	1.100	2.080	8.4	20.4
5 1	14 52.74	−18 51.1	1.056	2.061	2.9	20.0
5 11	14 42.16	−18 10.6	1.036	2.042	3.5	20.0
5 21	14 32.21	−17 27.0	1.039	2.023	9.4	20.2
5 31	14 24.41	−16 48.3	1.064	2.005	14.9	20.5
6 10	14 19.80	−16 21.5	1.108	1.987	19.7	20.7

89988 2002 TJ_{49} 5 4.9 204°.30 0°.4/ 5.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 11.76	−19 9.6	2.285	3.123	11.7	20.3
4 11	15 6.68	−18 51.3	2.202	3.121	8.7	20.1
4 21	14 59.85	−18 24.1	2.143	3.119	5.3	19.9
5 1	14 51.89	−17 50.0	2.111	3.116	1.7	19.6
5 11	14 43.62	−17 11.9	2.108	3.113	2.2	19.6
5 21	14 35.85	−16 33.7	2.133	3.110	5.9	19.9
5 31	14 29.33	−15 59.2	2.185	3.107	9.3	20.1
6 10	14 24.59	−15 32.1	2.260	3.103	12.2	20.3

345710 2006 VP_{140} 5 4.9 133°.68 0°.8/ 4.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 10.80	−14 50.4	2.679	3.521	10.1	21.7
4 11	15 5.63	−14 27.3	2.607	3.530	7.4	21.6
4 21	14 59.06	−13 59.3	2.561	3.540	4.4	21.4
5 1	14 51.64	−13 28.8	2.544	3.549	1.3	21.2
5 11	14 44.04	−12 58.5	2.555	3.558	2.4	21.3
5 21	14 36.92	−12 31.3	2.596	3.566	5.4	21.5
5 31	14 30.86	−12 9.8	2.664	3.574	8.3	21.7
6 10	14 26.28	−11 56.1	2.756	3.582	10.8	21.8

457416 2008 TM_{170} 5 4.9 151°.88 1°.9/ 6.1 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 15.65	−23 30.3	1.462	2.307	16.7	21.7
4 11	15 10.41	−23 2.0	1.391	2.311	12.7	21.5
4 21	15 2.43	−22 15.5	1.340	2.314	8.1	21.2
5 1	14 52.67	−21 12.8	1.314	2.316	3.3	20.9
5 11	14 42.48	−19 59.2	1.314	2.319	3.2	20.9
5 21	14 33.22	−18 42.8	1.339	2.321	8.0	21.2
5 31	14 26.03	−17 31.9	1.389	2.323	12.6	21.5
6 10	14 21.62	−16 33.6	1.460	2.325	16.6	21.7

139594 2001 QN_{114} 5 4.9 205°.12 2°.3/ 2.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 9.95	−11 31.7	2.435	3.287	10.6	20.4
4 11	15 5.18	−10 37.7	2.356	3.284	7.8	20.2
4 21	14 58.88	− 9 39.3	2.301	3.280	4.7	20.0
5 1	14 51.61	− 8 40.2	2.275	3.277	2.4	19.8
5 11	14 44.10	− 7 44.7	2.278	3.272	3.7	19.9
5 21	14 37.05	− 6 57.0	2.309	3.268	6.8	20.1
5 31	14 31.11	− 6 20.3	2.367	3.263	9.8	20.3
6 10	14 26.74	− 5 56.5	2.447	3.258	12.4	20.4

281534 2008 TO_{160} 5 4.9 69°.96 3°.1/ 2.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 10.12	−11 47.5	1.857	2.721	12.9	20.6
4 11	15 5.61	−10 29.4	1.793	2.727	9.4	20.4
4 21	14 59.23	− 9 5.3	1.753	2.734	5.8	20.2
5 1	14 51.71	− 7 41.0	1.740	2.740	3.2	20.0
5 11	14 43.98	− 6 23.3	1.754	2.747	4.9	20.1
5 21	14 36.93	− 5 18.1	1.796	2.754	8.4	20.4
5 31	14 31.32	− 4 29.7	1.862	2.760	11.9	20.6
6 10	14 27.67	− 3 59.9	1.948	2.767	14.9	20.8

370150 2001 XA_{174} 5 4.9 208°.34 0°.6/ 5.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 14.07	−20 18.4	2.422	3.250	11.4	22.2
4 11	15 8.34	−19 52.8	2.329	3.243	8.6	22.0
4 21	15 0.84	−19 17.3	2.262	3.235	5.3	21.8
5 1	14 52.19	−18 33.6	2.222	3.226	1.8	21.5
5 11	14 43.20	−17 44.9	2.212	3.217	2.2	21.5
5 21	14 34.68	−16 55.0	2.231	3.207	5.8	21.7
5 31	14 27.38	−16 8.4	2.278	3.196	9.1	21.9
6 10	14 21.85	−15 29.1	2.348	3.184	12.1	22.1

45328 2000 AM_{74} 5 4.9 214°.11 3°.8/ 2.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 14.95	− 7 25.8	2.037	2.889	12.3	20.0
4 11	15 9.17	− 6 39.5	1.955	2.882	9.2	19.8
4 21	15 1.42	− 5 51.6	1.898	2.873	6.0	19.6
5 1	14 52.37	− 5 6.6	1.868	2.864	3.8	19.4
5 11	14 42.93	− 4 29.3	1.867	2.854	5.3	19.5
5 21	14 34.02	− 4 3.6	1.893	2.843	8.6	19.6
5 31	14 26.49	− 3 52.3	1.944	2.832	12.0	19.8
6 10	14 20.94	− 3 56.4	2.017	2.820	15.0	20.0

179358 2001 XC_{160} 5 4.9 302°.62 1°.8/ 6.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 10.27	−24 3.7	2.243	3.071	12.2	20.1
4 11	15 5.66	−23 40.8	2.159	3.069	9.4	19.9
4 21	14 59.27	−23 5.1	2.099	3.067	6.1	19.7
5 1	14 51.74	−22 18.2	2.065	3.065	2.8	19.5
5 11	14 43.92	−21 23.2	2.060	3.064	2.5	19.5
5 21	14 36.63	−20 24.6	2.082	3.062	5.7	19.7
5 31	14 30.63	−19 27.7	2.131	3.060	9.1	19.9
6 10	14 26.46	−18 37.1	2.204	3.059	12.1	20.1

261920 2006 KK_{51} 5 4.9 357°.19 2°.8/ 3.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
4 1	15 13.72	−11 7.7	1.188	2.069	17.3	19.6
4 11	15 9.37	−10 54.8	1.124	2.066	12.9	19.3
4 21	15 2.01	−10 38.1	1.080	2.064	7.8	19.0
5 1	14 52.60	−10 21.9	1.059	2.063	3.2	18.7
5 11	14 42.60	−10 11.2	1.061	2.062	5.1	18.8
5 21	14 33.53	−10 10.6	1.087	2.063	10.3	19.1
5 31	14 26.67	−10 23.4	1.134	2.064	15.2	19.4
6 10	14 22.84	−10 51.1	1.199	2.066	19.4	19.6

207074 2004 XJ_{128} 5 4.9 114°.77 1°.4/ 4.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 17.58	−14 37.9	1.708	2.559	14.4	20.8
4 11	15 11.19	−14 7.2	1.651	2.578	10.6	20.6
4 21	15 2.59	−13 29.5	1.617	2.597	6.3	20.4
5 1	14 52.67	−12 48.4	1.609	2.614	2.0	20.2
5 11	14 42.58	−12 8.6	1.629	2.632	3.5	20.3
5 21	14 33.40	−11 34.8	1.677	2.648	7.8	20.6
5 31	14 26.02	−11 11.0	1.749	2.664	11.6	20.9
6 10	14 21.00	−10 59.7	1.844	2.679	14.9	21.1

126018 2001 YE_{60} 5 4.9 264°.83 6°.8/10.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 15.40	−36 17.5	1.931	2.709	15.8	19.4
4 11	15 10.21	−36 31.3	1.832	2.694	13.2	19.1
4 21	15 2.38	−36 22.9	1.753	2.678	10.4	18.9
5 1	14 52.71	−35 49.5	1.698	2.662	7.9	18.7
5 11	14 42.38	−34 51.2	1.668	2.646	6.9	18.6
5 21	14 32.67	−33 32.3	1.664	2.629	8.3	18.7
5 31	14 24.76	−32 0.8	1.685	2.613	11.2	18.8
6 10	14 19.45	−30 26.1	1.730	2.596	14.3	19.0

226755 2004 RW_{53} 5 4.9 185°.14 0°.6/ 4.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 13.77	−15 52.2	2.067	2.913	12.4	21.0
4 11	15 8.29	−15 32.2	1.989	2.913	9.2	20.8
4 21	15 0.89	−15 5.2	1.934	2.913	5.5	20.6
5 1	14 52.24	−14 33.7	1.907	2.912	1.6	20.3
5 11	14 43.24	−14 1.0	1.908	2.911	2.8	20.4
5 21	14 34.83	−13 31.0	1.937	2.910	6.7	20.7
5 31	14 27.81	−13 7.5	1.991	2.908	10.3	20.9
6 10	14 22.76	−12 53.3	2.069	2.906	13.4	21.1

439485 2013 YS_{113} 5 4.9 30°.40 5°.4/ 8.9 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 12.30	−31 37.0	1.742	2.553	15.9	21.0
4 11	15 7.72	−31 51.7	1.674	2.563	12.8	20.8
4 21	15 0.73	−31 46.5	1.626	2.573	9.5	20.6
5 1	14 52.20	−31 20.2	1.603	2.584	6.5	20.5
5 11	14 43.32	−30 35.2	1.604	2.595	5.5	20.4
5 21	14 35.26	−29 36.4	1.631	2.607	7.5	20.6
5 31	14 29.03	−28 31.3	1.683	2.619	10.7	20.8
6 10	14 25.26	−27 27.4	1.757	2.631	13.8	21.0

168551 1999 WH_4 5 4.9 195°.24 0°.7/ 4.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 15.91	−15 54.1	2.002	2.845	12.9	21.0
4 11	15 9.96	−15 31.3	1.920	2.843	9.6	20.8
4 21	15 1.93	−15 1.1	1.862	2.840	5.7	20.6
5 1	14 52.54	−14 25.7	1.831	2.836	1.6	20.3
5 11	14 42.77	−13 48.9	1.829	2.832	2.9	20.4
5 21	14 33.58	−13 14.8	1.855	2.827	7.0	20.6
5 31	14 25.87	−12 47.8	1.907	2.822	10.8	20.8
6 10	14 20.26	−12 30.8	1.981	2.815	14.1	21.0

433230 2012 VE_{13} 5 4.9 300°.57 0°.8/ 4.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 12.70	−14 57.5	1.771	2.628	13.7	20.8
4 11	15 8.02	−14 47.8	1.677	2.607	10.2	20.6
4 21	15 1.01	−14 31.3	1.606	2.587	6.2	20.3
5 1	14 52.34	−14 10.4	1.560	2.566	1.8	19.9
5 11	14 43.01	−13 48.3	1.542	2.545	3.2	20.0
5 21	14 34.14	−13 29.2	1.549	2.525	7.8	20.2
5 31	14 26.76	−13 17.1	1.581	2.505	12.1	20.4
6 10	14 21.65	−13 15.3	1.634	2.485	15.8	20.6

425879 2011 FB_{24} 5 4.9 9°.40 0°.7/ 5.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 12.03	−18 33.8	1.442	2.305	15.9	20.7
4 11	15 7.74	−18 32.6	1.374	2.306	11.9	20.4
4 21	15 0.86	−18 20.6	1.328	2.308	7.3	20.2
5 1	14 52.27	−17 59.6	1.306	2.311	2.3	19.9
5 11	14 43.22	−17 33.4	1.308	2.314	3.0	19.9
5 21	14 34.98	−17 6.9	1.336	2.319	7.9	20.2
5 31	14 28.65	−16 45.4	1.387	2.324	12.4	20.5
6 10	14 24.93	−16 33.2	1.459	2.329	16.3	20.7

224314 2005 UQ_{25} 5 4.9 189°.09 0°.9/ 5.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 17.33	−18 47.9	2.199	3.029	12.4	21.9
4 11	15 10.92	−18 58.1	2.114	3.028	9.3	21.7
4 21	15 2.49	−19 0.9	2.054	3.027	5.8	21.4
5 1	14 52.71	−18 56.7	2.021	3.025	2.0	21.2
5 11	14 42.52	−18 47.3	2.018	3.023	2.4	21.2
5 21	14 32.85	−18 35.3	2.043	3.020	6.2	21.4
5 31	14 24.58	−18 24.3	2.096	3.016	9.7	21.6
6 10	14 18.33	−18 17.6	2.172	3.012	12.8	21.8

89107 2001 TR_{206} 5 4.9 108°.16 8°.3/27.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
4 1	15 12.02	+10 11.8	2.365	3.195	11.6	19.2
4 11	15 6.59	+11 6.9	2.318	3.205	9.8	19.1
4 21	14 59.66	+11 50.1	2.295	3.215	8.6	19.0
5 1	14 51.85	+12 16.2	2.298	3.224	8.4	19.0
5 11	14 43.92	+12 21.9	2.326	3.234	9.3	19.1
5 21	14 36.58	+12 6.4	2.379	3.243	10.9	19.2
5 31	14 30.45	+11 30.6	2.454	3.252	12.7	19.4
6 10	14 25.96	+10 37.1	2.548	3.262	14.4	19.5

174039 2002 AO_{123} 5 4.9 84°.67 8°.9/26.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 10.57	+11 40.1	2.350	3.178	11.7	19.8
4 11	15 5.52	+12 50.3	2.311	3.192	10.1	19.7
4 21	14 59.01	+13 47.3	2.296	3.206	9.0	19.6
5 1	14 51.66	+14 25.7	2.307	3.220	9.0	19.7
5 11	14 44.22	+14 42.2	2.342	3.234	9.9	19.7
5 21	14 37.37	+14 35.8	2.400	3.247	11.4	19.9
5 31	14 31.72	+14 7.4	2.480	3.261	13.1	20.0
6 10	14 27.68	+13 20.0	2.578	3.274	14.6	20.2

92009 1999 VM_{157} 5 4.9 125°.37 2°.6/ 6.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 16.19	−24 44.4	2.232	3.048	12.7	20.1
4 11	15 10.00	−24 57.2	2.160	3.061	9.8	19.9
4 21	15 1.87	−24 58.4	2.112	3.074	6.5	19.8
5 1	14 52.53	−24 47.9	2.090	3.086	3.5	19.6
5 11	14 42.89	−24 27.4	2.097	3.098	3.1	19.6
5 21	14 33.90	−24 0.1	2.132	3.109	5.9	19.8
5 31	14 26.36	−23 30.4	2.194	3.120	9.1	20.0
6 10	14 20.84	−23 2.8	2.280	3.130	11.9	20.2

477593 2010 JR_{131} 5 4.9 257°.36 2°.9/ 8.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 12.16	−30 13.4	3.006	3.792	10.5	21.9
4 11	15 6.80	−29 42.7	2.889	3.768	8.4	21.7
4 21	14 59.90	−28 57.5	2.795	3.743	6.0	21.5
5 1	14 51.98	−27 58.1	2.730	3.717	3.7	21.3
5 11	14 43.72	−26 46.7	2.695	3.691	3.0	21.2
5 21	14 35.83	−25 27.0	2.689	3.664	5.0	21.3
5 31	14 28.96	−24 3.8	2.713	3.637	7.6	21.4
6 10	14 23.62	−22 42.6	2.763	3.609	10.2	21.5

471835 2012 XG_{70} 5 4.9 231°.14 2°.7/ 2.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 10.05	−10 41.0	2.326	3.180	10.9	21.1
4 11	15 5.36	− 9 44.3	2.244	3.173	8.1	20.9
4 21	14 59.06	− 8 43.2	2.187	3.166	5.0	20.7
5 1	14 51.74	− 7 42.0	2.159	3.158	2.7	20.6
5 11	14 44.12	− 6 45.3	2.158	3.151	4.2	20.6
5 21	14 36.97	− 5 57.3	2.186	3.142	7.3	20.8
5 31	14 30.96	− 5 21.5	2.240	3.134	10.3	21.0
6 10	14 26.59	− 4 59.9	2.315	3.126	13.1	21.2

361103 2006 DR_{70} 5 4.9 135°.44 1°.4/ 5.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 18.52	−21 26.8	1.684	2.521	15.2	22.1
4 11	15 12.15	−21 14.5	1.617	2.534	11.5	21.9
4 21	15 3.33	−20 49.0	1.572	2.546	7.2	21.6
5 1	14 52.97	−20 11.8	1.554	2.557	2.7	21.4
5 11	14 42.31	−19 26.8	1.562	2.568	2.8	21.4
5 21	14 32.54	−18 39.4	1.598	2.577	7.2	21.7
5 31	14 24.68	−17 55.8	1.660	2.587	11.4	22.0
6 10	14 19.35	−17 21.1	1.743	2.595	14.9	22.2

196562 2003 QU_{18} 5 4.9 284°.67 5°.9/30.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 11.18	− 3 5.9	1.864	2.728	12.8	19.9
4 11	15 6.64	− 1 59.3	1.780	2.708	9.9	19.7
4 21	15 0.05	− 0 53.2	1.720	2.688	7.1	19.4
5 1	14 52.07	+ 0 5.8	1.685	2.669	5.9	19.3
5 11	14 43.60	+ 0 51.6	1.677	2.649	7.5	19.4
5 21	14 35.60	+ 1 19.3	1.694	2.629	10.6	19.5
5 31	14 28.97	+ 1 26.2	1.735	2.609	13.9	19.7
6 10	14 24.36	+ 1 12.4	1.794	2.589	16.9	19.8

472970 2015 GM_{41} 5 4.9 338°.62 8°.0/28.0 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 8.36	+ 0 45.1	1.724	2.594	13.4	20.5
4 11	15 4.53	+ 2 26.5	1.663	2.588	10.6	20.3
4 21	14 58.73	+ 4 3.4	1.624	2.582	8.5	20.2
5 1	14 51.66	+ 5 27.3	1.611	2.577	8.1	20.2
5 11	14 44.28	+ 6 30.6	1.623	2.573	9.7	20.2
5 21	14 37.52	+ 7 8.5	1.659	2.568	12.3	20.4
5 31	14 32.20	+ 7 19.6	1.716	2.565	15.2	20.6
6 10	14 28.89	+ 7 5.2	1.790	2.561	17.7	20.7

338528 2003 RG_{2} 5 4.9 253°.33 6°.5/ 9.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 20.10	−36 16.0	2.544	3.296	13.1	21.7
4 11	15 13.38	−37 4.0	2.430	3.272	11.1	21.5
4 21	15 4.25	−37 37.1	2.338	3.248	8.9	21.3
5 1	14 53.34	−37 51.6	2.272	3.222	7.1	21.1
5 11	14 41.59	−37 45.9	2.233	3.196	6.5	21.1
5 21	14 30.11	−37 21.3	2.221	3.169	7.7	21.1
5 31	14 19.98	−36 41.8	2.237	3.142	9.9	21.2
6 10	14 12.04	−35 53.8	2.276	3.114	12.4	21.3

459657 2013 KP_{5} 5 4.9 320°.25 4°.3/ 2.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
4 1	15 13.10	− 8 26.3	1.241	2.122	16.7	20.4
4 11	15 9.00	− 7 59.9	1.165	2.106	12.6	20.1
4 21	15 1.91	− 7 31.7	1.109	2.091	8.0	19.8
5 1	14 52.68	− 7 7.2	1.076	2.077	4.5	19.5
5 11	14 42.67	− 6 52.6	1.067	2.063	6.4	19.6
5 21	14 33.36	− 6 52.8	1.081	2.050	11.2	19.8
5 31	14 26.10	− 7 11.0	1.116	2.038	16.1	20.1
6 10	14 21.81	− 7 47.7	1.168	2.026	20.3	20.3

336446 2008 UD_{321} 5 4.9 277°.47 2°.4/ 6.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 14.19	−23 15.0	1.889	2.722	14.0	21.6
4 11	15 9.08	−23 24.7	1.798	2.710	10.8	21.3
4 21	15 1.64	−23 22.5	1.728	2.697	7.1	21.1
5 1	14 52.57	−23 7.9	1.685	2.684	3.5	20.8
5 11	14 42.90	−22 42.8	1.668	2.672	3.2	20.8
5 21	14 33.74	−22 11.0	1.679	2.659	6.9	21.0
5 31	14 26.13	−21 37.6	1.715	2.646	10.8	21.2
6 10	14 20.81	−21 8.1	1.773	2.633	14.3	21.4

218913 2007 HN_{53} 5 4.9 282°.90 3°.0/ 2.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 11.33	−11 3.4	1.809	2.672	13.2	20.5
4 11	15 6.81	−10 13.5	1.726	2.659	9.8	20.2
4 21	15 0.18	− 9 18.2	1.666	2.646	6.0	20.0
5 1	14 52.13	− 8 22.0	1.632	2.633	3.1	19.8
5 11	14 43.62	− 7 30.6	1.625	2.620	4.8	19.9
5 21	14 35.65	− 6 49.2	1.645	2.607	8.6	20.1
5 31	14 29.13	− 6 22.2	1.688	2.594	12.5	20.2
6 10	14 24.72	− 6 11.5	1.752	2.582	15.8	20.4

55481 2001 UN_{21} 5 4.9 43°.97 3°.3/ 7.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 11.35	−28 13.6	2.029	2.846	13.8	18.4
4 11	15 6.68	−27 58.2	1.952	2.851	10.8	18.2
4 21	14 59.99	−27 26.2	1.897	2.855	7.5	18.0
5 1	14 52.04	−26 38.2	1.868	2.860	4.3	17.8
5 11	14 43.80	−25 37.6	1.866	2.865	3.6	17.8
5 21	14 36.23	−24 29.5	1.891	2.871	6.3	18.0
5 31	14 30.16	−23 20.2	1.942	2.876	9.6	18.2
6 10	14 26.16	−22 16.0	2.017	2.881	12.7	18.4

372549 2009 TC_{34} 5 4.9 169°.79 3°.7/ 7.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 15.75	−28 43.6	2.152	2.956	13.5	21.7
4 11	15 9.88	−28 42.7	2.070	2.960	10.7	21.5
4 21	15 1.91	−28 26.1	2.010	2.963	7.5	21.3
5 1	14 52.60	−27 53.6	1.976	2.965	4.6	21.1
5 11	14 42.94	−27 7.3	1.971	2.967	3.9	21.1
5 21	14 33.92	−26 11.5	1.993	2.969	6.3	21.2
5 31	14 26.44	−25 12.1	2.042	2.970	9.5	21.4
6 10	14 21.09	−24 15.2	2.114	2.970	12.5	21.6

232805 2004 RF_{220} 5 4.9 200°.12 5°.3/ 9.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 15.35	−34 53.5	2.342	3.114	13.5	20.9
4 11	15 9.59	−34 52.3	2.250	3.111	11.1	20.7
4 21	15 1.75	−34 32.5	2.179	3.107	8.5	20.5
5 1	14 52.56	−33 52.8	2.134	3.103	6.2	20.4
5 11	14 43.00	−32 54.6	2.116	3.098	5.3	20.3
5 21	14 34.05	−31 42.0	2.126	3.093	6.7	20.4
5 31	14 26.60	−30 21.5	2.163	3.087	9.3	20.5
6 10	14 21.26	−29 0.1	2.225	3.081	12.0	20.7

406357 2007 RW_{181} 5 4.9 133°.23 2°.0/ 6.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 18.88	−22 31.4	1.814	2.643	14.6	22.0
4 11	15 12.33	−22 35.0	1.745	2.656	11.1	21.8
4 21	15 3.43	−22 26.1	1.700	2.669	7.1	21.6
5 1	14 53.04	−22 5.1	1.680	2.681	3.1	21.4
5 11	14 42.33	−21 34.8	1.689	2.692	3.0	21.4
5 21	14 32.45	−20 59.4	1.724	2.703	6.9	21.7
5 31	14 24.38	−20 24.5	1.786	2.713	10.7	21.9
6 10	14 18.74	−19 55.3	1.871	2.723	14.1	22.1

82125 2001 FM_{82} 5 4.9 20°.99 2°.8/ 6.7 18 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 13.50	−24 42.9	1.429	2.275	16.9	19.1
4 11	15 8.98	−24 33.8	1.358	2.277	13.1	18.8
4 21	15 1.70	−24 6.6	1.308	2.279	8.6	18.6
5 1	14 52.60	−23 21.8	1.282	2.282	4.2	18.3
5 11	14 43.02	−22 23.9	1.280	2.284	3.6	18.3
5 21	14 34.32	−21 19.7	1.304	2.287	7.9	18.5
5 31	14 27.69	−20 17.5	1.351	2.291	12.4	18.8
6 10	14 23.83	−19 24.6	1.419	2.294	16.4	19.0

228319 2000 QC_{104} 5 4.9 198°.40 2°.2/ 3.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 13.64	−11 0.2	2.406	3.252	10.9	21.6
4 11	15 7.97	−10 26.6	2.323	3.248	8.1	21.4
4 21	15 0.64	− 9 49.6	2.266	3.244	4.9	21.1
5 1	14 52.24	− 9 12.3	2.237	3.239	2.3	21.0
5 11	14 43.55	− 8 38.2	2.237	3.233	3.6	21.0
5 21	14 35.32	− 8 10.7	2.266	3.227	6.8	21.2
5 31	14 28.26	− 7 52.6	2.322	3.220	9.9	21.4
6 10	14 22.90	− 7 45.6	2.400	3.212	12.6	21.6

312055 2007 RC_{319} 5 4.9 168°.14 2°.1/ 6.5 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
4 1	15 17.20	−24 9.3	1.937	2.761	14.1	21.9
4 11	15 11.04	−23 54.0	1.859	2.766	10.8	21.7
4 21	15 2.66	−23 24.5	1.803	2.770	7.0	21.5
5 1	14 52.84	−22 41.5	1.774	2.774	3.2	21.3
5 11	14 42.67	−21 48.5	1.773	2.777	2.9	21.3
5 21	14 33.23	−20 50.5	1.800	2.779	6.6	21.5
5 31	14 25.44	−19 53.9	1.853	2.780	10.4	21.7
6 10	14 19.95	−19 4.3	1.930	2.781	13.7	21.9

52530 1996 TW_3 5 4.9 139°.30 1°.4/ 3.8 18

4 1	15 10.98	−13 43.0	2.178	3.030	11.7	19.2
4 11	15 6.15	−13 11.8	2.104	3.032	8.6	19.0
4 21	14 59.59	−12 35.3	2.053	3.033	5.1	18.8
5 1	14 51.94	−11 56.4	2.030	3.034	1.8	18.6
5 11	14 44.03	−11 19.1	2.035	3.036	3.1	18.7
5 21	14 36.64	−10 47.1	2.068	3.037	6.7	18.9
5 31	14 30.52	−10 23.6	2.126	3.038	10.0	19.1
6 10	14 26.17	−10 10.9	2.207	3.039	12.9	19.3

77842 2001 QA_{273} 5 4.9 165°.66 5°.0/30.7 18 R

4 1	15 11.30	− 1 34.3	2.372	3.224	10.8	19.1
4 11	15 6.17	− 0 46.9	2.306	3.227	8.3	18.9
4 21	14 59.51	− 0 2.8	2.265	3.229	6.0	18.8
5 1	14 51.91	+ 0 33.4	2.251	3.231	5.0	18.7
5 11	14 44.09	+ 0 58.0	2.266	3.233	6.2	18.8
5 21	14 36.78	+ 1 8.6	2.307	3.234	8.5	18.9
5 31	14 30.61	+ 1 3.9	2.372	3.236	11.0	19.1
6 10	14 26.05	+ 0 44.3	2.459	3.237	13.3	19.3

374587 2006 DW_{50} 5 4.9 148°.90 0°.4/ 5.3 17

4 1	15 13.58	−19 19.3	2.049	2.888	12.8	21.6
4 11	15 8.19	−18 55.8	1.974	2.894	9.5	21.4
4 21	15 0.86	−18 22.4	1.923	2.899	5.8	21.2
5 1	14 52.31	−17 41.3	1.899	2.904	1.8	20.9
5 11	14 43.48	−16 56.1	1.903	2.909	2.4	21.0
5 21	14 35.28	−16 11.3	1.935	2.913	6.4	21.2
5 31	14 28.53	−15 31.5	1.994	2.917	10.0	21.5
6 10	14 23.77	−15 0.6	2.075	2.920	13.1	21.7

96164 1981 EH_6 5 4.9 47°.06 1°.7/ 6.1 18

4 1	15 15.69	−22 55.9	1.483	2.328	16.5	19.6
4 11	15 9.94	−22 31.7	1.446	2.367	12.3	19.4
4 21	15 1.86	−21 52.2	1.431	2.405	7.7	19.2
5 1	14 52.54	−21 0.6	1.441	2.444	3.1	19.0
5 11	14 43.28	−20 2.3	1.477	2.483	2.9	19.1
5 21	14 35.22	−19 4.1	1.540	2.522	7.1	19.5
5 31	14 29.21	−18 12.2	1.627	2.561	11.1	19.8
6 10	14 25.70	−17 31.5	1.735	2.599	14.4	20.1

88796 2001 SB_{116} 5 4.9 184°.73 1°.2/ 6.0 18

4 1	15 14.07	−23 3.2	2.234	3.059	12.4	19.4
4 11	15 8.46	−22 23.9	2.150	3.059	9.4	19.2
4 21	15 0.99	−21 31.4	2.089	3.059	5.9	19.0
5 1	14 52.35	−20 27.8	2.056	3.058	2.3	18.8
5 11	14 43.43	−19 17.0	2.052	3.057	2.3	18.7
5 21	14 35.11	−18 4.3	2.077	3.054	6.0	19.0
5 31	14 28.15	−16 55.6	2.129	3.052	9.5	19.2
6 10	14 23.12	−15 55.6	2.205	3.048	12.5	19.4

317707 2003 QO_{18} 5 4.9 200°.30 3°.0/ 2.7 16

4 1	15 15.48	−10 3.1	2.077	2.927	12.2	21.8
4 11	15 9.56	− 9 15.3	1.997	2.923	9.1	21.5
4 21	15 1.69	− 8 23.7	1.941	2.918	5.6	21.3
5 1	14 52.57	− 7 32.4	1.912	2.912	3.1	21.1
5 11	14 43.09	− 6 46.3	1.913	2.905	4.5	21.2
5 21	14 34.16	− 6 9.7	1.941	2.897	8.0	21.4
5 31	14 26.61	− 5 45.9	1.995	2.889	11.4	21.6
6 10	14 21.03	− 5 36.6	2.071	2.879	14.4	21.8

37564 1988 TR_3 5 4.9 170°.23 3°.1/ 7.8 18

4 1	15 13.58	−28 19.1	2.993	3.784	10.4	19.7
4 11	15 7.81	−28 35.8	2.906	3.788	8.2	19.6
4 21	15 0.50	−28 42.0	2.843	3.790	5.9	19.4
5 1	14 52.21	−28 37.1	2.808	3.793	3.7	19.3
5 11	14 43.62	−28 22.1	2.802	3.795	3.3	19.3
5 21	14 35.44	−27 59.0	2.825	3.796	5.0	19.4
5 31	14 28.31	−27 31.1	2.877	3.798	7.4	19.5
6 10	14 22.73	−27 2.3	2.953	3.799	9.6	19.7

33607 Archanamurali 5 4.9 354°.34 1°.8/ 5.8 18

4 1	15 15.05	−19 23.9	1.462	2.318	16.1	17.9
4 11	15 10.15	−19 53.7	1.388	2.315	12.2	17.7
4 21	15 2.47	−20 14.3	1.336	2.312	7.7	17.4
5 1	14 52.86	−20 25.2	1.307	2.310	3.1	17.1
5 11	14 42.61	−20 27.7	1.304	2.309	3.3	17.1
5 21	14 33.10	−20 25.2	1.326	2.309	8.0	17.4
5 31	14 25.54	−20 22.3	1.372	2.309	12.5	17.6
6 10	14 20.77	−20 23.5	1.438	2.309	16.4	17.9

466083 2012 BJ_9 5 4.9 174°.59 2°.8/ 6.9 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
4 1	15 16.87	−25 45.6	1.897	2.718	14.4	22.3
4 11	15 10.91	−25 37.3	1.817	2.720	11.2	22.1
4 21	15 2.64	−25 13.4	1.759	2.722	7.5	21.8
5 1	14 52.86	−24 34.3	1.727	2.724	3.9	21.6
5 11	14 42.68	−23 43.0	1.723	2.725	3.3	21.6
5 21	14 33.22	−22 44.5	1.746	2.725	6.8	21.8
5 31	14 25.45	−21 45.4	1.796	2.725	10.5	22.0
6 10	14 20.05	−20 52.0	1.868	2.724	13.9	22.2

217939 2001 TO_{123} 5 4.9 167°.54 2°.7/ 2.2 16

4 1	15 13.30	−12 35.6	2.303	3.150	11.3	21.4
4 11	15 7.66	−11 1.7	2.229	3.155	8.3	21.2
4 21	15 0.41	− 9 20.7	2.182	3.160	5.1	21.0
5 1	14 52.17	− 7 38.3	2.164	3.164	2.8	20.9
5 11	14 43.76	− 6 0.9	2.177	3.167	4.3	21.0
5 21	14 35.93	− 4 34.3	2.219	3.170	7.5	21.2
5 31	14 29.37	− 3 23.2	2.288	3.172	10.6	21.4
6 10	14 24.55	− 2 29.8	2.380	3.173	13.2	21.6

180132 2003 FL_{86} 5 4.9 278°.95 3°.9/ 7.9 17

4 1	15 12.64	−28 45.2	2.301	3.106	12.7	19.8
4 11	15 7.59	−28 59.6	2.212	3.101	10.1	19.6
4 21	15 0.59	−29 0.4	2.145	3.096	7.2	19.4
5 1	14 52.28	−28 46.8	2.104	3.091	4.6	19.3
5 11	14 43.54	−28 20.0	2.091	3.085	4.0	19.2
5 21	14 35.29	−27 43.0	2.105	3.080	6.1	19.3
5 31	14 28.38	−27 0.7	2.146	3.075	9.1	19.5
6 10	14 23.41	−26 18.2	2.210	3.069	11.9	19.7

176268 2001 RG_{94} 5 4.9 201°.81 0°.3/ 4.7 18

4 1	15 11.09	−16 57.9	2.783	3.619	9.9	21.7
4 11	15 5.95	−16 30.8	2.695	3.614	7.3	21.5
4 21	14 59.38	−15 57.2	2.633	3.610	4.4	21.3
5 1	14 51.90	−15 19.2	2.599	3.604	1.2	21.0
5 11	14 44.16	−14 39.5	2.595	3.599	2.1	21.1
5 21	14 36.82	−14 1.4	2.620	3.592	5.2	21.3
5 31	14 30.48	−13 28.0	2.673	3.586	8.2	21.5
6 10	14 25.60	−13 1.9	2.750	3.578	10.7	21.6

300990 2008 FN_{29} 5 4.9 112°.06 3°.7/ 1.4 17

4 1	15 9.26	− 6 44.3	2.375	3.232	10.6	21.0
4 11	15 4.68	− 5 44.2	2.310	3.238	7.9	20.8
4 21	14 58.62	− 4 43.4	2.270	3.244	5.2	20.7
5 1	14 51.67	− 3 46.5	2.258	3.250	3.7	20.6
5 11	14 44.54	− 2 57.9	2.274	3.256	5.0	20.7
5 21	14 37.91	− 2 21.1	2.318	3.262	7.6	20.8
5 31	14 32.40	− 1 58.3	2.387	3.267	10.3	21.0
6 10	14 28.45	− 1 50.4	2.478	3.273	12.7	21.2

77971 Donnolo 5 4.9 251°.28 10°.4/27.6 18

4 1	15 19.21	+11 15.7	1.926	2.750	14.1	19.6
4 11	15 12.60	+12 18.8	1.846	2.728	12.2	19.4
4 21	15 3.69	+13 8.5	1.789	2.706	10.7	19.3
5 1	14 53.20	+13 36.8	1.757	2.682	10.5	19.2
5 11	14 42.16	+13 38.1	1.750	2.658	11.7	19.3
5 21	14 31.64	+13 10.0	1.766	2.633	13.9	19.3
5 31	14 22.64	+12 13.6	1.805	2.607	16.4	19.4
6 10	14 15.87	+10 52.7	1.862	2.581	18.8	19.6

317993 2004 BO_{116} 5 4.9 111°.56 5°.0/ 8.1 18

4 1	15 20.72	−29 29.5	1.824	2.627	15.6	21.4
4 11	15 13.87	−30 4.4	1.758	2.645	12.4	21.2
4 21	15 4.45	−30 22.3	1.714	2.662	9.0	21.0
5 1	14 53.39	−30 21.1	1.695	2.678	5.9	20.9
5 11	14 41.96	−30 1.9	1.703	2.694	5.2	20.8
5 21	14 31.42	−29 28.5	1.738	2.710	7.5	21.0
5 31	14 22.84	−28 47.4	1.799	2.725	10.7	21.2
6 10	14 16.89	−28 5.5	1.882	2.739	13.8	21.5

477116 2009 BE_{186} 5 4.9 186°.57 5°.3/ 9.2 18

4 1	15 14.91	−33 9.4	2.321	3.103	13.3	21.5
4 11	15 9.32	−33 33.0	2.235	3.103	10.9	21.3
4 21	15 1.65	−33 40.5	2.171	3.103	8.3	21.1
5 1	14 52.60	−33 30.2	2.132	3.102	6.0	21.0
5 11	14 43.11	−33 2.7	2.120	3.101	5.3	20.9
5 21	14 34.19	−32 21.2	2.135	3.100	6.8	21.0
5 31	14 26.71	−31 30.7	2.176	3.099	9.3	21.2
6 10	14 21.32	−30 37.4	2.242	3.098	11.9	21.3

111677 2002 BO_{21} 5 4.9 97°.01 10°.6/30.2 18

4 1	15 22.12	+14 16.4	1.889	2.699	14.9	18.7
4 11	15 14.30	+14 39.7	1.841	2.711	12.8	18.5
4 21	15 4.41	+14 43.7	1.815	2.723	11.1	18.5
5 1	14 53.33	+14 23.0	1.814	2.735	10.6	18.4
5 11	14 42.16	+13 35.3	1.839	2.746	11.3	18.5
5 21	14 31.94	+12 21.8	1.889	2.758	13.1	18.6
5 31	14 23.51	+10 46.5	1.962	2.769	15.1	18.8
6 10	14 17.37	+ 8 54.8	2.055	2.780	17.1	19.0

282269 2002 NQ_{17} 5 4.9 272°.43 8°.9/26.8 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
4 1	15 12.98	+ 9 1.0	2.212	3.046	12.2	21.5
4 11	15 7.74	+10 11.9	2.130	3.021	10.4	21.3
4 21	15 0.66	+11 13.2	2.072	2.995	9.1	21.2
5 1	14 52.32	+11 58.3	2.038	2.969	9.0	21.1
5 11	14 43.54	+12 21.8	2.031	2.943	10.2	21.1
5 21	14 35.15	+12 20.8	2.047	2.916	12.2	21.2
5 31	14 27.95	+11 55.1	2.086	2.888	14.5	21.3
6 10	14 22.55	+11 6.6	2.143	2.860	16.7	21.4

350226 2012 TF_{11} 5 4.9 298°.87 7°.1/ 6.9 18

4 1	15 26.91	−29 16.9	1.863	2.655	15.7	19.7
4 11	15 19.34	−31 10.5	1.763	2.638	13.0	19.5
4 21	15 8.42	−32 55.3	1.686	2.622	10.0	19.3
5 1	14 54.76	−34 24.2	1.635	2.605	7.6	19.1
5 11	14 39.64	−35 31.5	1.614	2.589	7.3	19.0
5 21	14 24.64	−36 15.1	1.620	2.573	9.5	19.1
5 31	14 11.41	−36 38.1	1.652	2.557	12.7	19.3
6 10	14 1.20	−36 47.6	1.706	2.541	15.9	19.5

813 Baumeia 5 4.9 217°.32 0°.7/ 4.7 18

4 1	15 17.85	−15 8.1	1.414	2.275	16.3	14.9
4 11	15 12.21	−15 7.6	1.342	2.273	12.2	14.7
4 21	15 3.71	−14 59.8	1.291	2.272	7.4	14.4
5 1	14 53.25	−14 46.8	1.264	2.270	2.1	14.0
5 11	14 42.19	−14 32.1	1.263	2.268	3.5	14.1
5 21	14 31.95	−14 20.1	1.288	2.266	8.8	14.4
5 31	14 23.76	−14 15.2	1.336	2.264	13.5	14.7
6 10	14 18.44	−14 20.9	1.404	2.262	17.5	14.9

211184 2002 JJ_{113} 5 4.9 65°.75 8°.8/ 7.7 18

4 1	15 32.28	−30 13.9	1.359	2.163	19.9	19.7
4 11	15 23.63	−32 29.3	1.305	2.185	16.3	19.6
4 21	15 10.95	−34 26.7	1.271	2.208	12.5	19.4
5 1	14 55.40	−35 56.2	1.262	2.231	9.5	19.3
5 11	14 38.95	−36 52.1	1.279	2.253	9.0	19.3
5 21	14 23.73	−37 15.9	1.321	2.276	11.1	19.5
5 31	14 11.55	−37 15.6	1.387	2.299	14.3	19.7
6 10	14 3.41	−37 2.4	1.473	2.321	17.3	20.0

500830 2013 GU_{136} 5 4.9 34°.62 0°.0/ 4.8 17

4 1	14 51.58	−15 41.0	37.818	38.653	0.8	23.9
4 11	14 50.85	−15 38.0	37.737	38.656	0.6	23.8
4 21	14 50.04	−15 34.8	37.683	38.660	0.4	23.8
5 1	14 49.19	−15 31.4	37.658	38.663	0.1	23.8
5 11	14 48.33	−15 28.0	37.662	38.666	0.2	23.8
5 21	14 47.49	−15 24.6	37.696	38.670	0.4	23.8
5 31	14 46.70	−15 21.5	37.758	38.673	0.7	23.8
6 10	14 45.98	−15 18.8	37.846	38.676	0.9	23.9

35025 1981 EA_{15} 5 4.9 333°.89 4°.8/ 8.6 17

4 1	15 13.20	−30 53.9	2.209	3.007	13.4	19.2
4 11	15 8.13	−31 17.4	2.124	3.005	10.8	19.0
4 21	15 0.97	−31 25.8	2.060	3.003	8.0	18.8
5 1	14 52.42	−31 17.6	2.022	3.001	5.6	18.7
5 11	14 43.43	−30 53.8	2.011	2.999	4.9	18.6
5 21	14 34.97	−30 17.3	2.026	2.997	6.7	18.7
5 31	14 27.95	−29 33.2	2.068	2.996	9.4	18.9
6 10	14 23.01	−28 47.4	2.133	2.994	12.2	19.1

79470 1998 AE_{4} 5 4.9 358°.77 1°.2/ 5.8 17

4 1	15 10.82	−20 44.8	1.810	2.658	13.9	19.6
4 11	15 6.49	−20 37.2	1.734	2.656	10.5	19.4
4 21	15 0.02	−20 18.5	1.680	2.655	6.6	19.1
5 1	14 52.15	−19 49.9	1.651	2.655	2.5	18.9
5 11	14 43.88	−19 14.7	1.649	2.655	2.6	18.9
5 21	14 36.23	−18 37.5	1.674	2.655	6.7	19.1
5 31	14 30.12	−18 3.3	1.723	2.656	10.6	19.4
6 10	14 26.18	−17 36.6	1.794	2.657	14.1	19.6

105986 2000 SX_{269} 5 4.9 161°.14 2°.5/ 2.2 18

4 1	15 9.34	− 8 43.9	2.997	3.844	9.0	20.5
4 11	15 4.48	− 7 54.1	2.925	3.850	6.6	20.4
4 21	14 58.41	− 7 2.8	2.880	3.855	4.2	20.2
5 1	14 51.63	− 6 13.1	2.864	3.860	2.6	20.1
5 11	14 44.69	− 5 28.2	2.878	3.865	3.7	20.2
5 21	14 38.15	− 4 51.2	2.920	3.869	6.0	20.3
5 31	14 32.51	− 4 24.0	2.990	3.873	8.4	20.5
6 10	14 28.16	− 4 8.0	3.083	3.876	10.5	20.7

501321 2013 WP_{106} 5 4.9 178°.51 1°.4/ 6.3 17

4 1	15 13.95	−23 9.1	2.680	3.496	10.8	23.2
4 11	15 8.12	−22 47.7	2.594	3.498	8.2	23.1
4 21	15 0.71	−22 15.9	2.533	3.500	5.3	22.9
5 1	14 52.31	−21 34.9	2.500	3.500	2.3	22.7
5 11	14 43.66	−20 47.3	2.496	3.501	2.1	22.7
5 21	14 35.50	−19 56.8	2.523	3.500	5.1	22.9
5 31	14 28.49	−19 7.4	2.578	3.499	8.1	23.0
6 10	14 23.12	−18 23.2	2.657	3.496	10.8	23.2

292791 2006 UH_{225} 5 4.9 195°.12 3°.5/ 7.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
4 1	15 13.70	−27 59.3	2.487	3.289	11.9	21.1
4 11	15 8.21	−28 15.2	2.399	3.288	9.5	20.9
4 21	15 0.91	−28 18.9	2.335	3.287	6.7	20.7
5 1	14 52.39	−28 9.6	2.298	3.285	4.2	20.6
5 11	14 43.50	−27 48.6	2.289	3.283	3.6	20.5
5 21	14 35.08	−27 18.6	2.307	3.281	5.7	20.7
5 31	14 27.92	−26 43.6	2.353	3.279	8.5	20.8
6 10	14 22.58	−26 8.4	2.423	3.277	11.2	21.0

38971 2000 TQ_{60} 5 4.9 191°.19 7°.4/28.7 18

4 1	15 12.34	+ 3 11.9	2.078	2.929	12.2	19.5
4 11	15 7.16	+ 4 27.2	2.016	2.928	9.8	19.3
4 21	15 0.22	+ 5 35.9	1.978	2.927	7.9	19.2
5 1	14 52.18	+ 6 31.4	1.967	2.925	7.4	19.1
5 11	14 43.88	+ 7 8.4	1.981	2.923	8.7	19.2
5 21	14 36.15	+ 7 24.1	2.021	2.921	11.0	19.3
5 31	14 29.73	+ 7 17.8	2.083	2.918	13.4	19.5
6 10	14 25.14	+ 6 51.1	2.165	2.915	15.7	19.7

93434 2000 ST_{319} 5 4.9 58°.33 5°.3/ 8.6 18

4 1	15 16.33	−30 31.7	1.664	2.476	16.5	18.1
4 11	15 10.72	−30 52.7	1.607	2.498	13.1	17.9
4 21	15 2.57	−30 54.2	1.570	2.519	9.5	17.7
5 1	14 52.87	−30 34.7	1.558	2.541	6.3	17.6
5 11	14 42.90	−29 56.7	1.571	2.563	5.4	17.6
5 21	14 33.93	−29 5.6	1.610	2.585	7.6	17.7
5 31	14 26.97	−28 8.6	1.674	2.607	10.9	18.0
6 10	14 22.63	−27 13.3	1.759	2.629	14.0	18.2

234003 1997 CR_{11} 5 4.9 134°.69 5°.2/ 9.3 17

4 1	15 16.79	−33 21.8	2.227	3.008	13.8	21.4
4 11	15 10.66	−33 36.4	2.151	3.019	11.3	21.3
4 21	15 2.42	−33 33.5	2.097	3.029	8.5	21.1
5 1	14 52.82	−33 11.6	2.068	3.040	6.1	21.0
5 11	14 42.91	−32 32.2	2.066	3.049	5.3	20.9
5 21	14 33.71	−31 39.0	2.092	3.059	6.8	21.0
5 31	14 26.10	−30 38.2	2.144	3.067	9.4	21.2
6 10	14 20.69	−29 36.2	2.220	3.076	12.0	21.4

122612 2000 RS_{47} 5 4.9 236°.31 5°.3/ 8.9 18

4 1	15 16.93	−32 44.4	2.265	3.047	13.6	20.2
4 11	15 11.01	−33 6.9	2.165	3.034	11.2	20.0
4 21	15 2.81	−33 13.2	2.086	3.020	8.5	19.8
5 1	14 53.00	−33 1.0	2.033	3.005	6.1	19.6
5 11	14 42.59	−32 30.5	2.007	2.990	5.4	19.5
5 21	14 32.65	−31 44.8	2.008	2.974	7.1	19.6
5 31	14 24.18	−30 49.1	2.036	2.958	9.8	19.7
6 10	14 17.92	−29 50.4	2.087	2.941	12.7	19.9

388813 2008 CF_{1} 5 4.9 56°.36 6°.5/29.2 18

4 1	15 9.86	+ 2 24.9	2.246	3.098	11.3	20.4
4 11	15 5.21	+ 3 26.0	2.186	3.100	9.0	20.3
4 21	14 59.00	+ 4 20.8	2.150	3.102	7.1	20.1
5 1	14 51.83	+ 5 4.0	2.141	3.104	6.6	20.1
5 11	14 44.45	+ 5 31.3	2.158	3.106	7.7	20.2
5 21	14 37.59	+ 5 40.3	2.201	3.108	9.8	20.3
5 31	14 31.90	+ 5 30.4	2.267	3.110	12.2	20.5
6 10	14 27.86	+ 5 2.8	2.353	3.112	14.3	20.6

522400 2016 CL_{309} 5 4.9 168°.23 3°.5/ 2.9 17

4 1	15 16.60	− 8 42.3	1.709	2.567	14.0	21.8
4 11	15 10.70	− 8 11.7	1.640	2.570	10.4	21.6
4 21	15 2.52	− 7 39.5	1.594	2.572	6.5	21.4
5 1	14 52.88	− 7 9.9	1.575	2.574	3.6	21.2
5 11	14 42.87	− 6 47.5	1.582	2.576	5.1	21.3
5 21	14 33.59	− 6 36.2	1.616	2.577	8.9	21.5
5 31	14 26.00	− 6 38.3	1.675	2.578	12.7	21.7
6 10	14 20.74	− 6 54.8	1.754	2.578	16.0	21.9

467121 2016 EL_{73} 5 4.9 18°.96 2°.6/ 3.7 17

4 1	15 14.35	−11 41.3	1.343	2.216	16.2	20.3
4 11	15 9.56	−11 21.1	1.280	2.218	12.0	20.1
4 21	15 2.05	−10 56.3	1.238	2.221	7.3	19.8
5 1	14 52.77	−10 31.1	1.220	2.224	3.0	19.6
5 11	14 43.04	−10 10.7	1.226	2.227	4.7	19.7
5 21	14 34.18	− 9 59.4	1.258	2.231	9.5	20.0
5 31	14 27.35	−10 1.0	1.311	2.235	14.0	20.2
6 10	14 23.26	−10 17.0	1.384	2.240	17.8	20.5

500836 2013 GQ_{137} 5 4.9 49°.15 0°.0/ 4.3 17

4 1	14 51.35	−14 13.1	41.593	42.432	0.7	23.8
4 11	14 50.69	−14 10.0	41.513	42.435	0.5	23.7
4 21	14 49.96	−14 6.7	41.460	42.438	0.3	23.7
5 1	14 49.19	−14 3.2	41.436	42.441	0.1	23.7
5 11	14 48.41	−13 59.8	41.441	42.444	0.2	23.7
5 21	14 47.64	−13 56.5	41.475	42.447	0.4	23.7
5 31	14 46.93	−13 53.5	41.538	42.450	0.6	23.7
6 10	14 46.28	−13 51.0	41.627	42.453	0.8	23.8

368080 2012 MZ_{15} 5 4.9 219°.92 3°.4/ 1.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
4 1	15 11.86	−10 14.4	2.100	2.956	11.9	21.3
4 11	15 6.89	− 8 54.2	2.019	2.948	8.8	21.1
4 21	15 0.12	− 7 28.4	1.963	2.941	5.6	20.9
5 1	14 52.19	− 6 2.4	1.935	2.932	3.5	20.7
5 11	14 43.94	− 4 42.6	1.936	2.924	5.1	20.8
5 21	14 36.21	− 3 34.6	1.965	2.914	8.4	21.0
5 31	14 29.77	− 2 42.9	2.018	2.905	11.7	21.2
6 10	14 25.16	− 2 9.4	2.094	2.895	14.6	21.3

115797 2003 UA_{228} 5 4.9 31°.29 2°.8/ 6.5 18

4 1	15 14.95	−22 20.3	1.559	2.404	15.8	18.4
4 11	15 9.82	−22 51.2	1.497	2.415	12.1	18.2
4 21	15 2.13	−23 9.9	1.457	2.427	7.9	18.0
5 1	14 52.80	−23 15.9	1.441	2.440	3.9	17.8
5 11	14 43.06	−23 10.7	1.451	2.454	3.5	17.8
5 21	14 34.18	−22 58.1	1.486	2.468	7.4	18.1
5 31	14 27.22	−22 43.1	1.546	2.483	11.4	18.3
6 10	14 22.86	−22 30.8	1.627	2.498	14.9	18.6

240779 2005 SM_{187} 5 4.9 269°.70 2°.1/ 2.9 18

4 1	15 9.49	−13 8.1	2.457	3.307	10.6	20.5
4 11	15 5.02	−12 2.7	2.359	3.287	7.8	20.3
4 21	14 58.97	−10 50.2	2.288	3.267	4.7	20.1
5 1	14 51.86	− 9 34.5	2.244	3.247	2.2	19.9
5 11	14 44.42	− 8 20.5	2.230	3.226	3.6	19.9
5 21	14 37.34	− 7 13.2	2.245	3.205	6.9	20.1
5 31	14 31.31	− 6 16.8	2.286	3.184	10.0	20.3
6 10	14 26.85	− 5 34.3	2.350	3.162	12.8	20.4

421365 2013 TE_{129} 5 4.9 173°.10 0°.7/ 6.2 18

4 1	15 4.51	−21 16.5	4.957	5.774	6.2	21.6
4 11	15 0.66	−21 11.7	4.869	5.775	4.6	21.4
4 21	14 56.05	−21 2.4	4.808	5.776	2.9	21.3
5 1	14 50.98	−20 49.3	4.775	5.777	1.2	21.2
5 11	14 45.78	−20 33.4	4.773	5.777	1.2	21.2
5 21	14 40.79	−20 16.2	4.801	5.778	2.9	21.3
5 31	14 36.31	−19 59.0	4.858	5.779	4.6	21.4
6 10	14 32.61	−19 43.5	4.940	5.779	6.1	21.6

278269 2007 FD_{34} 5 4.9 52°.30 0°.8/ 5.5 17

4 1	15 14.22	−19 30.3	1.544	2.398	15.5	21.3
4 11	15 9.16	−19 21.9	1.484	2.410	11.6	21.1
4 21	15 1.66	−19 2.0	1.445	2.423	7.1	20.8
5 1	14 52.65	−18 32.6	1.431	2.436	2.4	20.6
5 11	14 43.33	−17 57.8	1.443	2.449	2.8	20.6
5 21	14 34.89	−17 22.6	1.481	2.462	7.5	20.9
5 31	14 28.34	−16 52.6	1.543	2.476	11.7	21.2
6 10	14 24.29	−16 31.9	1.627	2.490	15.3	21.5

107835 2001 FQ_{71} 5 4.9 39°.43 3°.5/ 2.7 17

4 1	15 11.45	− 9 39.4	1.632	2.501	14.0	19.3
4 11	15 6.88	− 8 54.5	1.575	2.511	10.3	19.0
4 21	15 0.19	− 8 6.9	1.541	2.521	6.4	18.8
5 1	14 52.21	− 7 21.8	1.532	2.532	3.6	18.7
5 11	14 43.99	− 6 44.6	1.549	2.543	5.2	18.8
5 21	14 36.55	− 6 19.6	1.592	2.555	8.9	19.0
5 31	14 30.75	− 6 9.6	1.659	2.567	12.5	19.3
6 10	14 27.13	− 6 15.6	1.745	2.579	15.7	19.5

462537 2009 BL_{88} 5 4.9 12°.43 1°.5/ 5.8 17

4 1	15 12.94	−21 5.0	1.199	2.066	18.2	20.9
4 11	15 8.94	−20 56.4	1.135	2.067	13.8	20.6
4 21	15 1.88	−20 31.6	1.091	2.070	8.7	20.4
5 1	14 52.77	−19 52.2	1.068	2.072	3.2	20.0
5 11	14 43.12	−19 3.5	1.070	2.076	3.4	20.1
5 21	14 34.46	−18 12.8	1.095	2.080	8.8	20.4
5 31	14 28.08	−17 28.1	1.142	2.085	13.9	20.7
6 10	14 24.77	−16 55.7	1.208	2.090	18.2	21.0

246455 2007 VE_{242} 5 4.9 119°.29 4°.5/ 1.2 17

4 1	15 11.50	− 3 22.3	2.360	3.212	10.9	20.9
4 11	15 6.30	− 2 35.0	2.301	3.224	8.2	20.7
4 21	14 59.61	− 1 50.2	2.267	3.235	5.7	20.6
5 1	14 52.02	− 1 11.9	2.260	3.245	4.5	20.5
5 11	14 44.27	− 0 44.1	2.282	3.256	5.6	20.6
5 21	14 37.07	− 0 29.2	2.331	3.266	8.1	20.8
5 31	14 31.04	− 0 28.5	2.405	3.276	10.6	21.0
6 10	14 26.63	− 0 42.0	2.500	3.285	12.9	21.1

378716 2008 QK_{1} 5 4.9 138°.43 3°.6/ 1.7 17

4 1	15 12.77	− 6 1.7	2.545	3.393	10.3	21.8
4 11	15 7.12	− 5 12.0	2.485	3.408	7.7	21.7
4 21	15 0.05	− 4 22.7	2.450	3.421	5.1	21.5
5 1	14 52.14	− 3 37.6	2.444	3.435	3.6	21.5
5 11	14 44.10	− 3 0.4	2.467	3.447	4.7	21.6
5 21	14 36.60	− 2 33.9	2.518	3.459	7.2	21.7
5 31	14 30.23	− 2 20.0	2.595	3.471	9.8	21.9
6 10	14 25.40	− 2 19.1	2.695	3.481	12.0	22.1

395234 2010 MU_{72} 5 4.9 252°.00 3°.2/ 7.5 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
4 1	15 13.05	−26 47.8	2.510	3.318	11.7	21.2
4 11	15 7.75	−27 7.4	2.420	3.313	9.2	21.0
4 21	15 0.67	−27 15.9	2.354	3.309	6.4	20.8
5 1	14 52.38	−27 12.6	2.314	3.304	3.9	20.7
5 11	14 43.68	−26 58.5	2.303	3.299	3.4	20.6
5 21	14 35.41	−26 36.1	2.319	3.294	5.6	20.8
5 31	14 28.34	−26 9.1	2.363	3.290	8.5	20.9
6 10	14 23.05	−25 41.8	2.431	3.285	11.2	21.1

272702 2005 YU_{12} 5 4.9 228°.77 1°.4/ 6.0 17

4 1	15 14.98	−21 48.4	2.264	3.090	12.2	21.7
4 11	15 9.31	−21 39.1	2.167	3.078	9.3	21.4
4 21	15 1.66	−21 19.3	2.095	3.065	5.9	21.2
5 1	14 52.68	−20 49.6	2.050	3.052	2.4	20.9
5 11	14 43.23	−20 12.5	2.033	3.038	2.4	20.9
5 21	14 34.22	−19 31.6	2.045	3.023	6.0	21.1
5 31	14 26.52	−18 51.7	2.084	3.008	9.6	21.3
6 10	14 20.75	−18 17.1	2.147	2.992	12.7	21.5

172390 2003 AO_{52} 5 5.0 68°.38 1°.2/ 4.2 18

4 1	15 12.93	−13 27.8	2.064	2.915	12.2	20.2
4 11	15 7.62	−13 15.5	2.001	2.929	9.0	20.0
4 21	15 0.51	−12 59.0	1.962	2.942	5.4	19.8
5 1	14 52.30	−12 40.5	1.950	2.955	1.8	19.6
5 11	14 43.88	−12 23.3	1.967	2.969	3.0	19.7
5 21	14 36.09	−12 10.2	2.010	2.982	6.6	20.0
5 31	14 29.69	−12 4.1	2.080	2.996	10.0	20.2
6 10	14 25.18	−12 6.7	2.172	3.009	12.9	20.4

126185 2002 AH_{20} 5 5.0 78°.47 0°.0/ 4.7 18

4 1	15 16.55	−16 19.0	1.728	2.578	14.3	19.5
4 11	15 10.65	−16 24.0	1.666	2.591	10.6	19.2
4 21	15 2.48	−16 22.2	1.626	2.604	6.4	19.0
5 1	14 52.89	−16 14.8	1.612	2.617	1.8	18.8
5 11	14 43.00	−16 4.7	1.625	2.630	2.8	18.8
5 21	14 33.91	−15 55.2	1.666	2.644	7.2	19.1
5 31	14 26.56	−15 49.9	1.732	2.657	11.1	19.4
6 10	14 21.55	−15 51.8	1.819	2.670	14.5	19.6

158507 2002 EN_{93} 5 5.0 336°.47 0°.8/ 5.5 17

4 1	15 12.54	−18 54.4	1.546	2.403	15.3	19.9
4 11	15 8.18	−18 55.8	1.467	2.396	11.5	19.6
4 21	15 1.27	−18 46.8	1.410	2.388	7.2	19.4
5 1	14 52.61	−18 28.6	1.377	2.382	2.4	19.0
5 11	14 43.37	−18 4.4	1.370	2.376	2.9	19.1
5 21	14 34.78	−17 38.7	1.388	2.370	7.7	19.3
5 31	14 27.97	−17 16.8	1.430	2.365	12.2	19.6
6 10	14 23.70	−17 3.3	1.492	2.360	16.1	19.8

240780 2005 SA_{221} 5 5.0 258°.37 2°.7/ 7.7 18

4 1	15 11.48	−28 6.9	2.701	3.502	11.1	20.2
4 11	15 6.51	−27 44.6	2.593	3.483	8.8	20.0
4 21	14 59.89	−27 8.6	2.508	3.463	6.1	19.8
5 1	14 52.16	−26 19.2	2.451	3.443	3.5	19.6
5 11	14 44.05	−25 18.6	2.423	3.422	2.9	19.5
5 21	14 36.34	−24 10.7	2.424	3.401	5.3	19.6
5 31	14 29.72	−23 0.5	2.453	3.380	8.2	19.8
6 10	14 24.73	−21 53.0	2.507	3.358	10.9	19.9

216726 2005 GY_{50} 5 5.0 292°.05 12°.7/28.3 18

4 1	15 20.55	+13 49.7	1.570	2.397	16.6	19.2
4 11	15 14.12	+14 38.6	1.492	2.372	14.6	19.0
4 21	15 4.89	+15 7.9	1.434	2.348	13.1	18.8
5 1	14 53.68	+15 8.1	1.399	2.323	12.8	18.7
5 11	14 41.75	+14 32.7	1.387	2.299	13.9	18.7
5 21	14 30.44	+13 20.4	1.397	2.274	16.3	18.8
5 31	14 21.00	+11 34.5	1.428	2.250	19.1	18.9
6 10	14 14.26	+ 9 21.7	1.476	2.225	21.8	19.0

195606 2002 KO_{10} 5 5.0 216°.37 1°.2/ 4.2 17

4 1	15 14.03	−13 33.7	2.009	2.860	12.6	19.9
4 11	15 8.64	−13 21.3	1.930	2.857	9.3	19.7
4 21	15 1.25	−13 4.2	1.875	2.854	5.6	19.5
5 1	14 52.56	−12 44.6	1.847	2.852	1.8	19.2
5 11	14 43.48	−12 25.9	1.846	2.849	3.1	19.3
5 21	14 34.96	−12 11.2	1.874	2.846	7.0	19.6
5 31	14 27.84	−12 3.6	1.927	2.842	10.7	19.8
6 10	14 22.73	−12 5.5	2.002	2.839	13.8	20.0

401941 2002 EL_{95} 5 5.0 171°.47 2°.7/ 6.7 16

4 1	15 18.82	−24 12.3	1.825	2.649	14.8	21.2
4 11	15 12.49	−24 18.9	1.746	2.652	11.4	21.0
4 21	15 3.70	−24 11.7	1.690	2.655	7.5	20.8
5 1	14 53.29	−23 50.4	1.660	2.658	3.7	20.6
5 11	14 42.41	−23 17.5	1.657	2.659	3.3	20.5
5 21	14 32.26	−22 37.2	1.682	2.660	7.0	20.8
5 31	14 23.89	−21 55.6	1.732	2.661	10.9	21.0
6 10	14 18.00	−21 18.4	1.806	2.660	14.4	21.2