4775 Hansen 12 30.0 59°.38 5°.8/30.1 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
11 27	7 22.67	+36 14.2	1.321	2.144	18.6	17.0
12 7	7 11.73	+36 47.0	1.303	2.198	14.0	16.9
12 17	6 57.38	+37 4.2	1.308	2.252	9.3	16.8
12 27	6 41.53	+36 59.0	1.338	2.304	6.0	16.7
1 6	6 26.40	+36 30.6	1.397	2.356	6.8	16.9
1 16	6 13.84	+35 44.0	1.483	2.406	10.3	17.2
1 26	6 4.99	+34 47.2	1.594	2.456	13.8	17.6
2 5	6 0.16	+33 47.5	1.726	2.504	16.7	17.9

200511 2001 BN_{11} 12 30.0 315°.21 0°.7/29.9 17

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 27	7 3.48	+24 36.1	1.486	2.333	15.6	20.5
12 7	6 58.45	+24 39.8	1.402	2.317	11.6	20.2
12 17	6 50.35	+24 44.0	1.340	2.301	6.9	19.9
12 27	6 40.11	+24 46.0	1.304	2.286	1.7	19.5
1 6	6 29.16	+24 43.3	1.295	2.271	3.9	19.6
1 16	6 19.11	+24 35.6	1.313	2.257	9.2	19.9
1 26	6 11.44	+24 24.0	1.355	2.243	14.0	20.1
2 5	6 7.08	+24 10.6	1.417	2.230	18.1	20.3

243924 2001 NO_{22} 12 30.0 111°.80 5°.9/30.9 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 27	7 3.02	+ 5 45.4	2.246	3.032	13.1	21.1
12 7	6 56.72	+ 5 3.5	2.187	3.052	10.5	21.0
12 17	6 48.67	+ 4 34.1	2.152	3.072	7.8	20.9
12 27	6 39.62	+ 4 19.2	2.146	3.090	6.1	20.8
1 6	6 30.44	+ 4 19.3	2.168	3.109	6.3	20.8
1 16	6 22.01	+ 4 33.2	2.219	3.127	8.3	21.0
1 26	6 15.10	+ 4 58.9	2.297	3.144	10.7	21.2
2 5	6 10.21	+ 5 33.2	2.398	3.160	13.0	21.4

368412 2002 TA_{171} 12 30.0 106°.45 0°.6/29.9 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 27	7 2.72	+25 54.9	2.441	3.265	11.0	20.5
12 7	6 56.59	+25 46.4	2.370	3.273	8.1	20.3
12 17	6 48.65	+25 36.2	2.324	3.282	4.7	20.1
12 27	6 39.63	+25 22.9	2.309	3.290	1.3	19.9
1 6	6 30.44	+25 6.0	2.323	3.298	2.6	20.0
1 16	6 22.00	+24 45.8	2.369	3.307	6.1	20.2
1 26	6 15.10	+24 23.7	2.442	3.315	9.2	20.5
2 5	6 10.27	+24 1.0	2.540	3.322	11.8	20.7

28011 1997 YW_{3} 12 30.0 25°.73 5°.5/29.8 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 27	7 5.88	+35 7.6	1.319	2.167	17.2	16.8
12 7	7 0.29	+35 33.9	1.272	2.181	13.1	16.6
12 17	6 51.29	+35 48.8	1.245	2.196	8.8	16.4
12 27	6 40.27	+35 46.3	1.242	2.212	5.7	16.3
1 6	6 29.08	+35 23.9	1.266	2.229	6.7	16.4
1 16	6 19.53	+34 43.8	1.314	2.247	10.4	16.6
1 26	6 13.01	+33 51.6	1.386	2.266	14.3	16.9
2 5	6 10.15	+32 53.9	1.478	2.287	17.7	17.2

326031 2010 XR_{25} 12 30.0 0°.62 3°.2/30.5 17

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 27	7 0.84	+14 50.8	1.807	2.636	14.1	21.2
12 7	6 55.75	+14 37.4	1.733	2.635	10.6	21.0
12 17	6 48.41	+14 32.4	1.683	2.635	6.8	20.7
12 27	6 39.62	+14 36.0	1.660	2.635	3.5	20.5
1 6	6 30.46	+14 47.3	1.665	2.635	4.3	20.6
1 16	6 22.07	+15 5.3	1.697	2.636	8.0	20.8
1 26	6 15.50	+15 28.3	1.756	2.637	11.7	21.0
2 5	6 11.40	+15 54.5	1.837	2.638	15.0	21.3

104087 2000 EV_{32} 12 30.0 131°.24 2°.5/30.5 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 27	7 6.22	+15 21.9	1.764	2.586	14.7	19.7
12 7	6 59.66	+15 33.7	1.699	2.598	11.0	19.5
12 17	6 50.66	+15 54.7	1.657	2.609	6.8	19.3
12 27	6 40.14	+16 23.3	1.642	2.620	3.0	19.1
1 6	6 29.29	+16 57.1	1.657	2.630	3.9	19.2
1 16	6 19.37	+17 33.7	1.702	2.640	8.0	19.4
1 26	6 11.48	+18 11.1	1.772	2.649	11.9	19.7
2 5	6 6.29	+18 47.9	1.866	2.658	15.2	19.9

50329 2000 CK_{56} 12 30.0 76°.38 2°.0/30.4 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 27	7 6.09	+16 28.5	1.426	2.263	16.8	18.1
12 7	6 59.98	+16 53.2	1.370	2.278	12.4	17.9
12 17	6 51.00	+17 28.4	1.336	2.293	7.5	17.7
12 27	6 40.22	+18 11.4	1.328	2.307	2.7	17.4
1 6	6 29.12	+18 58.1	1.347	2.322	4.1	17.5
1 16	6 19.19	+19 45.0	1.394	2.337	8.9	17.9
1 26	6 11.71	+20 29.7	1.466	2.352	13.3	18.2
2 5	6 7.40	+21 10.8	1.560	2.366	17.0	18.4

204487 2005 BJ_{4} 12 30.0 41°.26 2°.8/30.5 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 27	7 3.26	+15 44.4	1.368	2.210	17.0	19.8
12 7	6 57.95	+15 51.0	1.314	2.224	12.7	19.6
12 17	6 49.81	+16 8.5	1.282	2.239	7.9	19.3
12 27	6 39.94	+16 35.5	1.275	2.254	3.4	19.1
1 6	6 29.79	+17 9.1	1.295	2.269	4.5	19.2
1 16	6 20.83	+17 46.4	1.342	2.286	9.1	19.5
1 26	6 14.29	+18 24.9	1.413	2.302	13.4	19.8
2 5	6 10.85	+19 2.5	1.504	2.319	17.1	20.1

117472 2005 BQ_{13} 12 30.0 219°.24 1°.2/29.9 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
11 27	7 5.89	+26 26.9	1.901	2.731	13.4	20.4
12 7	6 59.53	+26 31.9	1.821	2.727	9.9	20.1
12 17	6 50.66	+26 35.1	1.765	2.723	5.9	19.9
12 27	6 40.16	+26 33.9	1.738	2.719	1.8	19.6
1 6	6 29.24	+26 26.5	1.739	2.714	3.5	19.7
1 16	6 19.18	+26 12.8	1.770	2.709	7.7	20.0
1 26	6 11.14	+25 54.6	1.828	2.704	11.6	20.2
2 5	6 5.84	+25 34.0	1.908	2.698	14.9	20.4

515146 2011 HO_{100} 12 30.0 204°.77 1°.6/30.3 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 27	7 5.50	+17 56.4	1.876	2.700	13.8	22.7
12 7	6 59.22	+18 6.1	1.794	2.696	10.3	22.5
12 17	6 50.50	+18 22.2	1.737	2.692	6.3	22.2
12 27	6 40.14	+18 43.3	1.707	2.687	2.2	22.0
1 6	6 29.29	+19 7.1	1.707	2.681	3.5	22.0
1 16	6 19.19	+19 32.0	1.736	2.676	7.8	22.3
1 26	6 10.96	+19 56.9	1.792	2.669	11.8	22.5
2 5	6 5.37	+20 21.0	1.871	2.662	15.2	22.7

82268 2001 KO_{16} 12 30.0 265°.31 3°.7/30.5 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 27	7 4.54	+14 25.5	1.538	2.369	16.0	19.5
12 7	6 58.98	+14 13.4	1.455	2.358	12.2	19.2
12 17	6 50.58	+14 11.6	1.395	2.346	7.9	18.9
12 27	6 40.19	+14 20.4	1.360	2.335	4.1	18.7
1 6	6 29.15	+14 38.9	1.353	2.323	5.1	18.7
1 16	6 18.90	+15 5.3	1.373	2.312	9.4	18.9
1 26	6 10.83	+15 37.5	1.418	2.300	13.9	19.2
2 5	6 5.80	+16 13.2	1.484	2.288	17.8	19.4

326094 2011 BO_{96} 12 30.0 159°.18 0°.6/29.9 17

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 27	7 2.41	+22 45.8	2.379	3.203	11.3	21.0
12 7	6 56.56	+23 25.3	2.302	3.206	8.3	20.8
12 17	6 48.77	+24 7.5	2.251	3.208	4.8	20.6
12 27	6 39.72	+24 49.5	2.229	3.211	1.2	20.3
1 6	6 30.30	+25 28.5	2.238	3.213	2.8	20.5
1 16	6 21.48	+26 2.4	2.278	3.215	6.3	20.7
1 26	6 14.15	+26 30.7	2.346	3.217	9.6	20.9
2 5	6 8.93	+26 53.6	2.438	3.219	12.3	21.1

457258 2008 RU_{12} 12 30.0 153°.27 4°.2/30.7 17

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 27	7 0.20	+10 28.0	2.285	3.092	12.3	21.3
12 7	6 54.84	+10 5.3	2.209	3.094	9.5	21.1
12 17	6 47.70	+ 9 51.9	2.157	3.095	6.6	20.9
12 27	6 39.45	+ 9 48.9	2.134	3.097	4.4	20.8
1 6	6 30.93	+ 9 56.1	2.139	3.098	4.8	20.8
1 16	6 23.01	+10 12.7	2.174	3.100	7.3	21.0
1 26	6 16.51	+10 37.1	2.235	3.101	10.2	21.2
2 5	6 11.97	+11 7.1	2.321	3.102	12.9	21.3

233887 2008 XC_{21} 12 30.0 82°.84 0°.7/30.1 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 27	7 6.80	+21 31.1	1.657	2.490	14.9	19.7
12 7	7 0.09	+21 27.4	1.602	2.510	10.9	19.5
12 17	6 50.88	+21 26.3	1.571	2.530	6.4	19.3
12 27	6 40.19	+21 26.1	1.568	2.550	1.7	19.0
1 6	6 29.36	+21 25.4	1.593	2.569	3.4	19.2
1 16	6 19.70	+21 23.9	1.647	2.588	7.9	19.5
1 26	6 12.29	+21 22.1	1.727	2.607	11.9	19.8
2 5	6 7.74	+21 20.7	1.829	2.626	15.2	20.0

329704 2003 UW_{288} 12 30.0 159°.09 3°.1/30.5 17

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 27	7 0.34	+13 8.9	2.580	3.388	11.0	21.5
12 7	6 54.76	+12 49.9	2.503	3.392	8.4	21.3
12 17	6 47.58	+12 37.5	2.452	3.396	5.5	21.2
12 27	6 39.42	+12 32.1	2.430	3.399	3.3	21.0
1 6	6 31.03	+12 33.6	2.438	3.402	3.8	21.0
1 16	6 23.21	+12 41.4	2.476	3.405	6.4	21.2
1 26	6 16.66	+12 54.6	2.542	3.408	9.1	21.4
2 5	6 11.91	+13 11.9	2.633	3.410	11.6	21.6

469799 2005 SH_{16} 12 30.0 35°.00 1°.7/29.9 16

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 27	7 5.96	+26 11.9	1.086	1.948	19.0	20.7
12 7	7 0.53	+26 24.3	1.043	1.965	13.9	20.5
12 17	6 51.51	+26 35.4	1.020	1.983	8.2	20.2
12 27	6 40.35	+26 40.8	1.021	2.002	2.5	19.9
1 6	6 29.05	+26 37.7	1.047	2.023	4.7	20.1
1 16	6 19.51	+26 26.5	1.097	2.044	10.2	20.5
1 26	6 13.17	+26 9.9	1.170	2.066	15.1	20.9
2 5	6 10.67	+25 51.1	1.262	2.088	19.1	21.2

493990 2016 AF_{103} 12 30.0 2°.70 4°.5/29.5 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 27	7 4.67	+35 18.1	1.997	2.823	13.1	20.9
12 7	6 58.70	+35 45.6	1.925	2.822	10.0	20.7
12 17	6 50.18	+36 5.0	1.877	2.822	6.8	20.5
12 27	6 40.06	+36 11.8	1.857	2.823	4.6	20.4
1 6	6 29.58	+36 3.5	1.864	2.823	5.5	20.5
1 16	6 20.06	+35 40.3	1.900	2.824	8.4	20.6
1 26	6 12.64	+35 5.2	1.962	2.825	11.6	20.8
2 5	6 8.01	+34 22.7	2.046	2.827	14.4	21.0

41260 1999 XZ_{53} 12 30.0 198°.76 0°.5/30.1 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
11 27	7 1.58	+20 49.8	2.263	3.089	11.7	19.2
12 7	6 55.99	+21 0.3	2.183	3.088	8.6	19.0
12 17	6 48.44	+21 14.0	2.129	3.087	5.1	18.8
12 27	6 39.64	+21 29.1	2.104	3.086	1.3	18.5
1 6	6 30.51	+21 44.2	2.109	3.084	2.7	18.7
1 16	6 22.01	+21 58.1	2.143	3.083	6.5	18.9
1 26	6 15.04	+22 10.5	2.206	3.082	9.9	19.1
2 5	6 10.22	+22 21.5	2.292	3.080	12.8	19.3

36195 1999 TG_{90} 12 30.0 198°.92 1°.0/29.8 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 27	7 3.11	+26 0.1	2.613	3.434	10.5	19.5
12 7	6 56.95	+26 16.7	2.529	3.430	7.7	19.3
12 17	6 48.94	+26 32.5	2.470	3.426	4.6	19.1
12 27	6 39.76	+26 45.4	2.441	3.422	1.4	18.9
1 6	6 30.25	+26 53.6	2.444	3.417	2.7	19.0
1 16	6 21.32	+26 56.6	2.477	3.412	6.0	19.2
1 26	6 13.80	+26 54.8	2.539	3.407	9.1	19.4
2 5	6 8.29	+26 49.5	2.625	3.400	11.7	19.6

247219 2001 QC_{129} 12 30.0 67°.02 5°.6/31.0 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 27	7 2.62	+ 8 32.0	1.762	2.574	15.2	20.1
12 7	6 56.86	+ 8 6.2	1.708	2.593	11.8	19.9
12 17	6 48.94	+ 7 54.4	1.677	2.612	8.4	19.8
12 27	6 39.76	+ 7 57.8	1.671	2.631	5.9	19.7
1 6	6 30.41	+ 8 16.0	1.694	2.650	6.2	19.7
1 16	6 21.99	+ 8 46.9	1.744	2.670	8.9	19.9
1 26	6 15.45	+ 9 27.3	1.820	2.689	12.0	20.2
2 5	6 11.37	+10 13.5	1.918	2.708	14.9	20.4

493188 2014 UN_{18} 12 30.0 71°.19 3°.6/29.2 17

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 27	7 3.87	+31 58.6	2.191	3.017	12.1	21.3
12 7	6 57.92	+32 51.3	2.122	3.022	9.1	21.1
12 17	6 49.68	+33 40.1	2.079	3.028	5.9	21.0
12 27	6 39.97	+34 20.2	2.064	3.034	3.7	20.8
1 6	6 29.87	+34 48.0	2.079	3.040	4.7	20.9
1 16	6 20.54	+35 2.4	2.122	3.046	7.6	21.1
1 26	6 13.03	+35 4.6	2.192	3.052	10.7	21.3
2 5	6 8.02	+34 57.4	2.285	3.057	13.3	21.5

307398 2002 TB_{83} 12 30.0 132°.95 6°.2/30.9 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 27	7 2.85	+ 5 13.4	2.188	2.974	13.4	21.4
12 7	6 56.74	+ 4 31.3	2.122	2.986	10.8	21.3
12 17	6 48.79	+ 4 2.2	2.080	2.998	8.2	21.1
12 27	6 39.74	+ 3 48.4	2.065	3.009	6.4	21.1
1 6	6 30.48	+ 3 50.4	2.080	3.019	6.6	21.1
1 16	6 21.93	+ 4 7.4	2.122	3.029	8.6	21.2
1 26	6 14.92	+ 4 36.9	2.191	3.039	11.1	21.4
2 5	6 9.98	+ 5 15.5	2.284	3.048	13.6	21.6

457405 2008 TP_{122} 12 30.0 49°.10 4°.3/29.2 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 27	7 3.94	+34 27.1	2.178	3.002	12.2	20.5
12 7	6 58.01	+35 14.6	2.111	3.008	9.3	20.3
12 17	6 49.74	+35 55.8	2.070	3.014	6.3	20.2
12 27	6 39.99	+36 26.2	2.056	3.021	4.4	20.1
1 6	6 29.89	+36 42.4	2.071	3.027	5.3	20.1
1 16	6 20.62	+36 43.9	2.115	3.034	7.9	20.3
1 26	6 13.24	+36 32.5	2.185	3.041	10.8	20.5
2 5	6 8.43	+36 11.9	2.277	3.048	13.4	20.7

413319 2003 UE_{380} 12 30.0 22°.45 5°.3/29.1 17

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 27	7 4.45	+35 40.4	1.876	2.705	13.6	21.0
12 7	6 58.73	+36 32.6	1.812	2.710	10.5	20.8
12 17	6 50.30	+37 17.1	1.772	2.715	7.3	20.6
12 27	6 40.13	+37 47.9	1.759	2.721	5.3	20.5
1 6	6 29.56	+38 1.4	1.774	2.727	6.2	20.6
1 16	6 20.00	+37 56.9	1.816	2.734	9.1	20.8
1 26	6 12.66	+37 37.4	1.883	2.741	12.2	21.0
2 5	6 8.29	+37 7.3	1.971	2.749	15.0	21.2

129068 Alexmay 12 30.0 77°.76 0°.2/29.9 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 27	7 2.43	+23 7.0	2.102	2.932	12.3	20.2
12 7	6 56.69	+23 21.0	2.034	2.941	9.0	20.0
12 17	6 48.87	+23 36.5	1.991	2.949	5.3	19.8
12 27	6 39.77	+23 51.3	1.976	2.958	1.2	19.5
1 6	6 30.41	+24 3.7	1.991	2.966	2.9	19.7
1 16	6 21.82	+24 12.6	2.035	2.975	6.8	19.9
1 26	6 14.94	+24 18.4	2.106	2.983	10.2	20.1
2 5	6 10.38	+24 21.6	2.201	2.992	13.2	20.4

291775 2006 KP_{34} 12 30.0 69°.68 1°.5/30.3 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 27	7 5.40	+18 45.8	1.618	2.452	15.2	20.8
12 7	6 59.12	+18 47.4	1.566	2.473	11.2	20.6
12 17	6 50.35	+18 54.9	1.537	2.494	6.7	20.4
12 27	6 40.11	+19 6.6	1.534	2.515	2.2	20.2
1 6	6 29.72	+19 20.7	1.561	2.536	3.6	20.3
1 16	6 20.46	+19 35.7	1.615	2.557	8.0	20.6
1 26	6 13.41	+19 51.1	1.695	2.577	12.0	20.9
2 5	6 9.17	+20 6.4	1.797	2.598	15.3	21.2

215202 2000 SZ_{159} 12 30.0 137°.72 5°.9/30.9 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
11 27	7 1.95	+ 3 1.0	2.761	3.527	11.4	21.6
12 7	6 55.74	+ 2 15.7	2.695	3.543	9.3	21.5
12 17	6 48.09	+ 1 42.1	2.655	3.558	7.3	21.4
12 27	6 39.58	+ 1 22.1	2.642	3.572	6.0	21.3
1 6	6 30.94	+ 1 16.4	2.660	3.585	6.2	21.4
1 16	6 22.86	+ 1 24.6	2.707	3.598	7.6	21.5
1 26	6 16.00	+ 1 44.7	2.781	3.610	9.6	21.6
2 5	6 10.82	+ 2 14.2	2.879	3.622	11.5	21.8

109399 2001 QV_{179} 12 30.0 184°.21 6°.2/31.9 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 27	6 58.34	− 0 29.1	2.859	3.615	11.3	20.2
12 7	6 53.21	− 0 44.7	2.779	3.615	9.4	20.0
12 17	6 46.68	− 0 46.2	2.723	3.614	7.6	19.9
12 27	6 39.27	− 0 32.2	2.694	3.614	6.4	19.8
1 6	6 31.62	− 0 2.5	2.694	3.613	6.4	19.8
1 16	6 24.40	+ 0 41.3	2.722	3.612	7.7	19.9
1 26	6 18.26	+ 1 36.7	2.778	3.611	9.5	20.0
2 5	6 13.66	+ 2 40.1	2.857	3.609	11.4	20.2

400090 2006 SV_{389} 12 30.0 158°.84 1°.1/30.3 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 27	7 3.62	+17 34.4	2.212	3.031	12.2	21.6
12 7	6 57.51	+18 5.3	2.136	3.036	9.1	21.4
12 17	6 49.37	+18 42.8	2.086	3.040	5.4	21.2
12 27	6 39.92	+19 24.7	2.064	3.044	1.8	20.9
1 6	6 30.11	+20 8.4	2.073	3.048	2.9	21.0
1 16	6 20.94	+20 51.3	2.113	3.051	6.6	21.2
1 26	6 13.35	+21 31.9	2.181	3.054	10.1	21.5
2 5	6 7.96	+22 9.4	2.273	3.057	13.0	21.7

140178 2001 SM_{195} 12 30.0 22°.67 0°.5/30.1 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 27	7 2.67	+21 8.7	1.675	2.514	14.5	20.0
12 7	6 57.33	+21 19.9	1.606	2.517	10.7	19.8
12 17	6 49.45	+21 35.2	1.561	2.521	6.3	19.6
12 27	6 39.95	+21 52.4	1.543	2.525	1.6	19.3
1 6	6 30.07	+22 9.2	1.553	2.529	3.4	19.4
1 16	6 21.11	+22 24.2	1.590	2.534	8.0	19.7
1 26	6 14.22	+22 37.0	1.654	2.539	12.1	19.9
2 5	6 10.12	+22 47.9	1.739	2.544	15.6	20.2

291196 2006 AQ_{64} 12 30.0 354°.84 0°.6/29.9 17

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 27	7 2.11	+23 51.5	1.937	2.772	13.0	21.3
12 7	6 56.73	+24 11.5	1.862	2.771	9.6	21.1
12 17	6 49.04	+24 33.1	1.811	2.770	5.6	20.9
12 27	6 39.86	+24 53.6	1.788	2.769	1.4	20.6
1 6	6 30.27	+25 10.6	1.793	2.769	3.2	20.7
1 16	6 21.46	+25 22.9	1.828	2.769	7.3	21.0
1 26	6 14.47	+25 30.5	1.889	2.769	11.1	21.2
2 5	6 10.00	+25 34.5	1.973	2.769	14.3	21.4

493259 2014 UC_{118} 12 30.0 76°.66 3°.6/29.2 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 27	7 6.11	+31 45.2	2.187	3.010	12.2	20.7
12 7	6 59.39	+32 42.2	2.137	3.035	9.1	20.6
12 17	6 50.44	+33 34.5	2.112	3.060	5.9	20.4
12 27	6 40.16	+34 17.2	2.116	3.085	3.7	20.3
1 6	6 29.66	+34 46.9	2.149	3.110	4.6	20.4
1 16	6 20.09	+35 2.9	2.213	3.135	7.5	20.6
1 26	6 12.43	+35 6.7	2.303	3.159	10.3	20.9
2 5	6 7.28	+35 1.4	2.416	3.183	12.8	21.1

299163 2005 GF_{15} 12 30.0 359°.84 2°.1/29.8 17

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 27	7 2.18	+26 25.4	1.273	2.131	17.0	20.3
12 7	6 57.78	+26 50.0	1.208	2.128	12.6	20.0
12 17	6 50.07	+27 14.5	1.164	2.126	7.5	19.7
12 27	6 40.15	+27 34.3	1.145	2.126	2.6	19.4
1 6	6 29.66	+27 45.5	1.151	2.126	4.6	19.5
1 16	6 20.39	+27 47.0	1.182	2.128	9.8	19.8
1 26	6 13.86	+27 40.2	1.237	2.130	14.6	20.1
2 5	6 10.90	+27 28.1	1.311	2.134	18.7	20.4

1252 Celestia 12 30.0 273°.10 11°.8/ 3.1 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 27	7 3.08	−13 25.6	2.150	2.840	16.4	15.7
12 7	6 57.30	−13 42.3	2.055	2.820	14.8	15.5
12 17	6 49.37	−13 31.3	1.979	2.800	13.2	15.4
12 27	6 39.96	−12 47.6	1.925	2.779	12.1	15.3
1 6	6 29.99	−11 29.6	1.896	2.758	11.9	15.2
1 16	6 20.49	− 9 39.6	1.893	2.737	12.7	15.2
1 26	6 12.46	− 7 23.8	1.916	2.716	14.4	15.3
2 5	6 6.65	− 4 51.0	1.961	2.694	16.5	15.4

402312 2005 TK_{111} 12 30.0 188°.56 1°.7/29.8 17

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 27	7 4.64	+27 55.6	2.302	3.125	11.6	21.8
12 7	6 58.29	+28 11.9	2.222	3.125	8.6	21.6
12 17	6 49.84	+28 25.8	2.168	3.124	5.2	21.4
12 27	6 40.04	+28 34.8	2.143	3.123	2.0	21.2
1 6	6 29.91	+28 36.8	2.149	3.121	3.3	21.3
1 16	6 20.50	+28 31.5	2.184	3.119	6.7	21.5
1 26	6 12.76	+28 20.0	2.248	3.117	10.0	21.7
2 5	6 7.34	+28 4.5	2.335	3.114	12.9	21.9

339098 2004 RH_{166} 12 30.0 77°.92 1°.0/29.9 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
11 27	7 7.97	+24 39.1	1.538	2.376	15.7	21.4
12 7	7 1.23	+25 1.0	1.486	2.396	11.5	21.2
12 17	6 51.68	+25 23.4	1.457	2.417	6.7	20.9
12 27	6 40.47	+25 42.4	1.456	2.437	1.8	20.7
1 6	6 29.06	+25 55.2	1.482	2.457	3.8	20.9
1 16	6 18.95	+26 0.9	1.536	2.477	8.4	21.2
1 26	6 11.33	+26 0.9	1.616	2.497	12.6	21.5
2 5	6 6.85	+25 57.2	1.718	2.517	16.0	21.7

127467 2002 RX_{41} 12 30.0 127°.28 0°.8/30.2 18

11 27	7 8.23	+20 6.1	1.698	2.525	14.9	21.0
12 7	7 1.25	+20 18.4	1.635	2.540	11.0	20.8
12 17	6 51.67	+20 35.3	1.596	2.553	6.5	20.5
12 27	6 40.47	+20 54.4	1.585	2.566	1.8	20.3
1 6	6 28.99	+21 13.3	1.603	2.579	3.4	20.4
1 16	6 18.57	+21 30.5	1.650	2.591	8.0	20.7
1 26	6 10.37	+21 45.6	1.724	2.602	12.1	21.0
2 5	6 5.08	+21 59.1	1.820	2.612	15.5	21.2

399088 2014 DC_{21} 12 30.0 194°.11 0°.8/29.9 18

11 27	7 6.49	+24 31.5	1.996	2.822	13.0	21.8
12 7	6 59.91	+24 49.8	1.916	2.820	9.6	21.6
12 17	6 50.90	+25 8.7	1.860	2.818	5.7	21.4
12 27	6 40.31	+25 25.3	1.834	2.815	1.5	21.1
1 6	6 29.28	+25 37.2	1.837	2.812	3.2	21.2
1 16	6 19.04	+25 43.4	1.870	2.808	7.4	21.4
1 26	6 10.69	+25 44.5	1.930	2.804	11.2	21.7
2 5	6 4.97	+25 42.1	2.013	2.798	14.4	21.9

4165 Didkovskij 12 30.0 165°.98 5°.9/31.1 18

11 27	7 3.83	+ 6 1.8	2.077	2.868	13.9	18.3
12 7	6 57.63	+ 5 34.8	2.004	2.873	11.1	18.1
12 17	6 49.42	+ 5 21.4	1.954	2.877	8.2	17.9
12 27	6 39.95	+ 5 23.4	1.931	2.881	6.2	17.8
1 6	6 30.16	+ 5 40.8	1.937	2.884	6.4	17.8
1 16	6 21.07	+ 6 12.1	1.972	2.887	8.7	18.0
1 26	6 13.58	+ 6 54.6	2.033	2.889	11.5	18.2
2 5	6 8.32	+ 7 44.4	2.118	2.890	14.2	18.3

267012 1994 RM_{26} 12 30.0 125°.80 1°.0/30.2 18

11 27	7 7.64	+19 50.9	1.774	2.601	14.4	21.4
12 7	7 0.70	+19 55.6	1.711	2.615	10.6	21.2
12 17	6 51.30	+20 4.6	1.673	2.629	6.3	21.0
12 27	6 40.39	+20 16.1	1.662	2.643	1.8	20.7
1 6	6 29.23	+20 28.1	1.680	2.656	3.4	20.9
1 16	6 19.09	+20 39.6	1.728	2.668	7.8	21.2
1 26	6 11.07	+20 50.3	1.803	2.680	11.7	21.4
2 5	6 5.81	+21 0.5	1.900	2.691	15.0	21.7

311723 2006 SB_{374} 12 30.0 92°.66 2°.9/29.5 18

11 27	7 5.39	+29 3.1	1.854	2.687	13.6	21.1
12 7	6 59.33	+29 46.1	1.784	2.691	10.1	20.9
12 17	6 50.65	+30 26.9	1.739	2.694	6.3	20.6
12 27	6 40.27	+31 0.7	1.721	2.698	3.1	20.4
1 6	6 29.46	+31 23.8	1.732	2.701	4.4	20.5
1 16	6 19.55	+31 34.8	1.772	2.705	8.2	20.8
1 26	6 11.75	+31 35.1	1.837	2.708	11.8	21.0
2 5	6 6.79	+31 27.4	1.925	2.711	15.0	21.2

152971 2000 GU_{120} 12 30.0 80°.46 1°.7/29.8 18

11 27	7 9.24	+25 56.5	1.490	2.329	16.1	20.4
12 7	7 2.25	+26 23.9	1.441	2.351	11.8	20.2
12 17	6 52.31	+26 50.5	1.414	2.372	6.9	19.9
12 27	6 40.63	+27 11.7	1.413	2.394	2.2	19.7
1 6	6 28.78	+27 24.4	1.441	2.416	4.1	19.9
1 16	6 18.31	+27 28.0	1.497	2.437	8.7	20.2
1 26	6 10.47	+27 24.2	1.578	2.458	12.9	20.5
2 5	6 5.92	+27 15.9	1.680	2.478	16.3	20.8

486276 2013 CQ_{38} 12 30.0 26°.26 10°.3/30.8 17

11 27	7 18.42	+49 46.9	1.649	2.436	17.1	20.4
12 7	7 9.70	+50 13.4	1.587	2.439	14.4	20.3
12 17	6 56.90	+50 16.1	1.545	2.442	11.9	20.1
12 27	6 41.71	+49 45.8	1.527	2.446	10.4	20.0
1 6	6 26.45	+48 39.6	1.535	2.450	10.6	20.0
1 16	6 13.37	+47 1.7	1.568	2.454	12.5	20.2
1 26	6 4.03	+45 2.4	1.626	2.458	15.1	20.3
2 5	5 59.05	+42 53.5	1.705	2.463	17.7	20.5

141787 2002 NE_{20} 12 30.0 81°.50 1°.5/29.9 17

11 27	7 3.77	+28 13.8	2.246	3.072	11.8	19.4
12 7	6 57.57	+28 10.8	2.176	3.080	8.7	19.2
12 17	6 49.35	+28 4.3	2.132	3.089	5.2	19.0
12 27	6 39.93	+27 52.6	2.117	3.097	1.9	18.8
1 6	6 30.33	+27 34.7	2.132	3.106	3.1	18.9
1 16	6 21.56	+27 11.1	2.177	3.114	6.6	19.2
1 26	6 14.52	+26 43.8	2.249	3.122	9.9	19.4
2 5	6 9.76	+26 14.8	2.346	3.131	12.6	19.6

74656 1999 RR_{87} 12 30.0 240°.97 1°.6/30.3 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
11 27	7 6.80	+18 39.3	1.678	2.508	15.0	19.1
12 7	7 0.59	+18 43.4	1.590	2.495	11.2	18.8
12 17	6 51.55	+18 53.8	1.525	2.481	6.8	18.5
12 27	6 40.54	+19 9.0	1.487	2.467	2.3	18.2
1 6	6 28.82	+19 26.8	1.477	2.452	3.8	18.3
1 16	6 17.84	+19 45.7	1.496	2.437	8.6	18.5
1 26	6 8.95	+20 4.8	1.542	2.421	13.1	18.7
2 5	6 3.06	+20 23.9	1.608	2.405	17.0	18.9

170636 2003 YV_{75} 12 30.0 300°.87 2°.0/29.8 17

11 27	7 4.49	+27 17.2	1.682	2.522	14.5	20.0
12 7	6 59.00	+27 35.6	1.597	2.508	10.8	19.7
12 17	6 50.64	+27 52.8	1.536	2.494	6.5	19.4
12 27	6 40.32	+28 4.9	1.501	2.481	2.4	19.1
1 6	6 29.35	+28 8.7	1.494	2.468	4.1	19.2
1 16	6 19.23	+28 3.6	1.515	2.455	8.6	19.4
1 26	6 11.31	+27 50.9	1.561	2.442	12.9	19.7
2 5	6 6.46	+27 33.5	1.629	2.430	16.6	19.9

130332 2000 FC_{23} 12 30.0 201°.62 8°.9/26.9 18

11 27	7 13.29	+52 51.3	2.756	3.504	11.9	20.1
12 7	7 5.46	+54 20.3	2.690	3.502	10.4	20.0
12 17	6 54.47	+55 34.4	2.647	3.499	9.3	20.0
12 27	6 41.24	+56 26.3	2.631	3.495	8.9	19.9
1 6	6 27.20	+56 51.6	2.641	3.492	9.3	19.9
1 16	6 13.99	+56 49.8	2.677	3.488	10.5	20.0
1 26	6 3.15	+56 24.3	2.736	3.484	11.9	20.1
2 5	5 55.61	+55 41.4	2.815	3.479	13.4	20.2

366198 2012 JR_{19} 12 30.0 159°.55 1°.3/29.7 18

11 27	7 2.35	+25 36.7	2.477	3.301	10.9	21.1
12 7	6 56.51	+26 10.8	2.401	3.304	8.0	21.0
12 17	6 48.77	+26 45.1	2.350	3.307	4.7	20.8
12 27	6 39.82	+27 16.8	2.329	3.310	1.6	20.5
1 6	6 30.54	+27 43.6	2.339	3.312	2.9	20.6
1 16	6 21.86	+28 3.9	2.379	3.314	6.2	20.9
1 26	6 14.65	+28 17.9	2.447	3.316	9.3	21.1
2 5	6 9.50	+28 26.6	2.539	3.318	12.0	21.3

77933 2002 GE_{21} 12 30.0 109°.75 2°.0/29.8 18

11 27	7 8.44	+28 3.4	2.089	2.910	12.7	19.6
12 7	7 1.02	+28 27.7	2.033	2.934	9.3	19.4
12 17	6 51.37	+28 49.1	2.002	2.957	5.6	19.2
12 27	6 40.41	+29 4.1	2.000	2.979	2.3	19.0
1 6	6 29.31	+29 10.7	2.029	3.000	3.5	19.2
1 16	6 19.22	+29 8.6	2.087	3.021	7.1	19.4
1 26	6 11.12	+28 59.5	2.174	3.041	10.4	19.7
2 5	6 5.61	+28 45.9	2.284	3.060	13.2	19.9

226084 2002 LB_{34} 12 30.0 24°.36 1°.1/29.7 18

11 27	7 2.64	+23 32.3	2.128	2.957	12.2	19.9
12 7	6 57.02	+24 22.8	2.051	2.958	9.0	19.7
12 17	6 49.21	+25 16.5	2.000	2.958	5.3	19.5
12 27	6 39.95	+26 9.5	1.978	2.959	1.6	19.2
1 6	6 30.24	+26 58.1	1.986	2.960	3.2	19.4
1 16	6 21.18	+27 39.7	2.023	2.960	7.0	19.6
1 26	6 13.77	+28 13.4	2.088	2.961	10.5	19.8
2 5	6 8.73	+28 39.9	2.176	2.962	13.5	20.0

147034 2002 RA_{43} 12 30.0 119°.53 0°.7/29.9 18

11 27	7 9.58	+23 47.9	1.702	2.531	14.8	21.0
12 7	7 2.27	+24 12.2	1.643	2.549	10.9	20.8
12 17	6 52.28	+24 37.7	1.608	2.566	6.3	20.6
12 27	6 40.66	+25 0.8	1.600	2.582	1.6	20.3
1 6	6 28.77	+25 18.5	1.623	2.598	3.5	20.5
1 16	6 18.04	+25 29.7	1.674	2.613	8.0	20.8
1 26	6 9.63	+25 35.2	1.752	2.628	12.0	21.0
2 5	6 4.22	+25 36.8	1.852	2.641	15.4	21.3

313224 2001 SK_{344} 12 30.0 56°.61 1°.2/30.0 18

11 27	7 6.45	+27 3.4	1.674	2.510	14.7	20.5
12 7	6 59.94	+26 52.4	1.618	2.527	10.8	20.3
12 17	6 50.86	+26 38.4	1.585	2.544	6.3	20.1
12 27	6 40.30	+26 19.0	1.580	2.561	1.9	19.9
1 6	6 29.64	+25 53.8	1.604	2.579	3.5	20.0
1 16	6 20.19	+25 24.1	1.655	2.597	7.9	20.3
1 26	6 13.05	+24 52.2	1.733	2.614	11.8	20.6
2 5	6 8.81	+24 20.8	1.833	2.632	15.1	20.9

64075 2001 SD_{279} 12 30.0 44°.43 0°.9/29.9 18

11 27	7 7.14	+25 11.7	1.214	2.067	18.0	17.9
12 7	7 1.11	+25 11.1	1.168	2.085	13.2	17.7
12 17	6 51.79	+25 9.8	1.143	2.105	7.7	17.5
12 27	6 40.53	+25 4.9	1.143	2.125	2.0	17.2
1 6	6 29.17	+24 54.4	1.169	2.145	4.2	17.4
1 16	6 19.42	+24 39.1	1.221	2.166	9.5	17.7
1 26	6 12.63	+24 21.3	1.296	2.188	14.2	18.1
2 5	6 9.43	+24 3.3	1.392	2.210	18.0	18.4

372093 2008 SB_{90} 12 30.0 173°.91 3°.8/29.3 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
11 27	7 5.20	+37 7.5	3.044	3.846	9.6	21.8
12 7	6 58.41	+37 39.2	2.967	3.849	7.4	21.6
12 17	6 49.80	+38 4.0	2.917	3.852	5.3	21.5
12 27	6 40.07	+38 18.5	2.897	3.854	3.9	21.4
1 6	6 30.07	+38 20.9	2.907	3.855	4.5	21.4
1 16	6 20.70	+38 11.0	2.948	3.856	6.4	21.6
1 26	6 12.77	+37 50.6	3.016	3.856	8.6	21.7
2 5	6 6.85	+37 22.4	3.110	3.856	10.7	21.9

8120 Kobe 12 30.0 89°.95 0°.5/30.1 18 R

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 27	7 7.51	+20 51.2	1.611	2.444	15.3	18.3
12 7	7 0.77	+21 7.1	1.556	2.464	11.2	18.1
12 17	6 51.40	+21 27.3	1.526	2.484	6.6	17.9
12 27	6 40.45	+21 48.7	1.522	2.504	1.6	17.6
1 6	6 29.30	+22 8.9	1.547	2.523	3.4	17.8
1 16	6 19.32	+22 26.3	1.601	2.542	8.1	18.1
1 26	6 11.65	+22 40.7	1.680	2.561	12.2	18.4
2 5	6 6.94	+22 52.8	1.782	2.579	15.5	18.7

400994 2011 EC_{86} 12 30.0 213°.44 9°.5/ 2.6 17

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 27	7 9.89	− 1 46.2	1.187	1.979	22.2	21.0
12 7	7 3.60	− 1 1.9	1.113	1.977	18.4	20.8
12 17	6 53.68	+ 0 22.5	1.056	1.974	14.1	20.5
12 27	6 41.11	+ 2 29.5	1.023	1.972	10.4	20.3
1 6	6 27.58	+ 5 13.2	1.015	1.969	9.8	20.2
1 16	6 15.01	+ 8 20.6	1.035	1.965	12.9	20.4
1 26	6 5.21	+11 35.1	1.080	1.962	17.3	20.6
2 5	5 59.31	+14 42.8	1.147	1.958	21.6	20.9

41130 1999 VC_{96} 12 30.0 89°.30 3°.0/29.6 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 27	7 8.35	+29 22.3	1.756	2.587	14.3	19.4
12 7	7 1.41	+30 2.8	1.702	2.607	10.6	19.2
12 17	6 51.79	+30 39.8	1.672	2.626	6.6	19.0
12 27	6 40.55	+31 8.1	1.669	2.645	3.2	18.8
1 6	6 29.07	+31 24.4	1.696	2.664	4.5	19.0
1 16	6 18.77	+31 28.2	1.751	2.683	8.3	19.2
1 26	6 10.81	+31 21.5	1.832	2.702	11.9	19.5
2 5	6 5.84	+31 7.8	1.935	2.720	14.9	19.7

244321 2002 GR_{181} 12 30.0 318°.53 2°.0/29.8 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 27	7 4.53	+26 15.9	1.487	2.333	15.7	20.9
12 7	6 59.30	+26 45.6	1.410	2.324	11.7	20.6
12 17	6 50.94	+27 16.0	1.355	2.315	7.0	20.3
12 27	6 40.42	+27 42.4	1.326	2.306	2.5	20.0
1 6	6 29.22	+28 0.6	1.323	2.298	4.4	20.1
1 16	6 18.98	+28 9.1	1.348	2.290	9.3	20.4
1 26	6 11.19	+28 8.7	1.397	2.282	13.9	20.6
2 5	6 6.76	+28 2.1	1.467	2.275	17.8	20.8

72854 2001 HK_{43} 12 30.0 65°.84 3°.9/29.2 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 27	7 4.16	+32 46.8	2.167	2.992	12.2	19.1
12 7	6 58.19	+33 36.7	2.099	2.998	9.2	18.9
12 17	6 49.90	+34 21.8	2.056	3.004	6.1	18.7
12 27	6 40.12	+34 57.3	2.041	3.009	4.0	18.6
1 6	6 29.97	+35 20.0	2.055	3.015	4.9	18.7
1 16	6 20.61	+35 28.8	2.099	3.021	7.8	18.9
1 26	6 13.11	+35 25.2	2.169	3.027	10.8	19.1
2 5	6 8.16	+35 12.4	2.261	3.034	13.4	19.3

150938 2001 TK_{92} 12 30.0 58°.17 0°.3/30.1 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 27	7 3.90	+22 23.3	1.772	2.608	14.0	20.4
12 7	6 58.05	+22 21.5	1.708	2.617	10.3	20.2
12 17	6 49.80	+22 21.6	1.668	2.627	6.0	20.0
12 27	6 40.08	+22 21.8	1.655	2.637	1.5	19.7
1 6	6 30.11	+22 20.8	1.671	2.647	3.2	19.8
1 16	6 21.11	+22 18.3	1.715	2.658	7.6	20.1
1 26	6 14.13	+22 14.7	1.786	2.668	11.5	20.4
2 5	6 9.83	+22 11.0	1.879	2.678	14.8	20.6

201325 2002 TQ_{135} 12 30.0 110°.00 0°.1/30.1 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 27	7 2.12	+22 50.8	2.712	3.530	10.2	20.3
12 7	6 55.99	+22 49.8	2.647	3.548	7.4	20.1
12 17	6 48.30	+22 49.4	2.609	3.566	4.3	19.9
12 27	6 39.70	+22 48.4	2.601	3.583	1.0	19.7
1 6	6 30.98	+22 46.0	2.625	3.600	2.3	19.8
1 16	6 22.91	+22 42.1	2.679	3.617	5.5	20.1
1 26	6 16.21	+22 37.0	2.762	3.633	8.3	20.3
2 5	6 11.33	+22 31.4	2.870	3.649	10.7	20.5

270639 2002 PG_{87} 12 30.0 226°.61 6°.6/ 1.4 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 27	7 0.14	− 1 46.0	2.727	3.475	12.0	21.0
12 7	6 54.67	− 1 46.8	2.636	3.466	10.1	20.9
12 17	6 47.63	− 1 31.4	2.569	3.457	8.2	20.7
12 27	6 39.58	− 0 58.1	2.529	3.447	6.8	20.6
1 6	6 31.19	− 0 7.4	2.518	3.438	6.8	20.6
1 16	6 23.21	+ 0 58.7	2.536	3.427	8.1	20.7
1 26	6 16.36	+ 2 16.7	2.582	3.417	10.1	20.8
2 5	6 11.16	+ 3 42.4	2.653	3.406	12.1	20.9

422573 2014 TT_{53} 12 30.0 113°.83 4°.1/30.7 17

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
11 27	7 0.15	+10 23.8	2.367	3.172	12.0	21.5
12 7	6 54.77	+ 9 58.6	2.295	3.178	9.3	21.3
12 17	6 47.69	+ 9 42.4	2.247	3.184	6.4	21.2
12 27	6 39.58	+ 9 36.2	2.228	3.190	4.4	21.0
1 6	6 31.24	+ 9 40.1	2.238	3.196	4.7	21.1
1 16	6 23.51	+ 9 53.2	2.277	3.201	7.1	21.2
1 26	6 17.14	+10 14.0	2.343	3.207	9.9	21.4
2 5	6 12.67	+10 40.6	2.433	3.212	12.4	21.6

385407 2002 XY_{54} 12 30.0 32°.96 2°.0/29.5 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 27	7 5.41	+21 15.4	0.975	1.842	20.3	19.6
12 7	7 0.54	+22 57.7	0.938	1.862	14.8	19.3
12 17	6 51.80	+24 49.5	0.920	1.884	8.6	19.1
12 27	6 40.60	+26 39.6	0.925	1.907	2.6	18.8
1 6	6 29.03	+28 16.8	0.956	1.931	5.3	19.1
1 16	6 19.19	+29 34.3	1.011	1.957	11.1	19.5
1 26	6 12.74	+30 31.1	1.088	1.983	16.1	19.8
2 5	6 10.44	+31 10.1	1.184	2.010	20.1	20.2

367611 2009 TT_{38} 12 30.0 126°.63 3°.1/30.4 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 27	7 1.74	+14 5.6	2.354	3.166	11.8	21.0
12 7	6 55.91	+13 38.7	2.283	3.175	8.9	20.8
12 17	6 48.35	+13 18.1	2.237	3.183	5.8	20.6
12 27	6 39.73	+13 4.3	2.220	3.191	3.4	20.5
1 6	6 30.92	+12 57.6	2.233	3.199	4.0	20.5
1 16	6 22.77	+12 57.6	2.275	3.206	6.8	20.7
1 26	6 16.05	+13 3.5	2.346	3.213	9.7	20.9
2 5	6 11.31	+13 14.3	2.440	3.220	12.3	21.1

394586 2007 VF_{125} 12 30.0 56°.74 2°.1/29.5 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 27	7 6.80	+24 23.3	1.515	2.356	15.7	19.7
12 7	7 0.59	+25 37.9	1.465	2.376	11.5	19.5
12 17	6 51.47	+26 55.4	1.438	2.397	6.8	19.3
12 27	6 40.50	+28 8.7	1.438	2.418	2.5	19.1
1 6	6 29.20	+29 11.7	1.467	2.439	4.4	19.3
1 16	6 19.07	+30 1.0	1.523	2.461	8.8	19.6
1 26	6 11.43	+30 36.6	1.605	2.482	12.9	19.9
2 5	6 7.00	+31 0.6	1.709	2.504	16.2	20.1

354011 2001 FK_{68} 12 30.0 322°.90 4°.1/29.3 17

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 27	7 2.75	+29 7.6	1.346	2.200	16.5	20.4
12 7	6 58.62	+30 3.1	1.258	2.174	12.5	20.1
12 17	6 50.92	+30 59.7	1.191	2.150	8.0	19.8
12 27	6 40.50	+31 50.0	1.149	2.125	4.3	19.5
1 6	6 28.94	+32 27.0	1.133	2.102	6.1	19.6
1 16	6 18.17	+32 47.0	1.141	2.080	11.0	19.8
1 26	6 10.08	+32 50.5	1.173	2.058	15.9	20.0
2 5	6 5.88	+32 41.5	1.223	2.038	20.2	20.2

436823 2012 RB_{29} 12 30.0 107°.44 3°.3/29.6 16

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 27	7 10.87	+30 24.1	1.726	2.553	14.7	21.8
12 7	7 3.30	+31 1.9	1.671	2.574	10.9	21.7
12 17	6 52.91	+31 34.8	1.641	2.593	6.8	21.5
12 27	6 40.83	+31 57.4	1.638	2.613	3.5	21.3
1 6	6 28.53	+32 6.6	1.664	2.631	4.8	21.4
1 16	6 17.49	+32 2.1	1.718	2.649	8.5	21.7
1 26	6 8.95	+31 46.9	1.799	2.667	12.2	21.9
2 5	6 3.56	+31 25.1	1.902	2.684	15.3	22.2

170042 2002 VK_{37} 12 30.0 84°.78 0°.3/29.9 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 27	7 4.23	+22 1.1	1.820	2.653	13.8	20.2
12 7	6 58.37	+22 34.9	1.752	2.660	10.1	20.0
12 17	6 50.06	+23 12.7	1.709	2.668	5.9	19.8
12 27	6 40.18	+23 50.9	1.693	2.675	1.4	19.5
1 6	6 29.92	+24 26.3	1.706	2.682	3.2	19.6
1 16	6 20.52	+24 56.6	1.748	2.689	7.6	19.9
1 26	6 13.09	+25 21.2	1.817	2.696	11.5	20.2
2 5	6 8.35	+25 40.6	1.908	2.703	14.7	20.4

458570 2011 EY_{72} 12 30.1 286°.85 3°.8/29.2 16

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 27	7 3.52	+33 0.5	2.264	3.088	11.8	21.6
12 7	6 57.82	+33 44.8	2.176	3.075	9.0	21.4
12 17	6 49.78	+34 24.9	2.114	3.061	6.0	21.2
12 27	6 40.14	+34 56.3	2.079	3.047	3.9	21.1
1 6	6 29.96	+35 15.5	2.074	3.034	4.9	21.1
1 16	6 20.40	+35 21.2	2.098	3.020	7.8	21.3
1 26	6 12.56	+35 14.7	2.148	3.007	10.9	21.4
2 5	6 7.22	+34 58.9	2.221	2.994	13.6	21.6

37262 2000 XC_{9} 12 30.1 134°.48 5°.1/28.9 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 27	7 10.62	+35 59.1	2.123	2.935	12.9	18.7
12 7	7 3.03	+37 5.7	2.061	2.949	9.9	18.6
12 17	6 52.79	+38 4.7	2.025	2.962	7.0	18.4
12 27	6 40.83	+38 49.7	2.017	2.975	5.2	18.3
1 6	6 28.47	+39 16.5	2.039	2.987	6.1	18.4
1 16	6 17.09	+39 24.3	2.091	2.999	8.6	18.6
1 26	6 7.89	+39 16.0	2.168	3.010	11.5	18.8
2 5	6 1.61	+38 56.0	2.268	3.020	14.0	19.0

59145 1998 XX_{73} 12 30.1 23°.12 7°.0/28.1 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
11 27	7 5.45	+32 30.8	1.243	2.097	17.6	18.5
12 7	7 0.56	+34 36.3	1.197	2.109	13.5	18.3
12 17	6 51.91	+36 37.3	1.172	2.122	9.4	18.1
12 27	6 40.68	+38 21.3	1.173	2.137	7.0	18.0
1 6	6 28.79	+39 38.4	1.199	2.153	8.6	18.1
1 16	6 18.31	+40 25.1	1.250	2.170	12.2	18.4
1 26	6 11.00	+40 44.6	1.323	2.188	15.9	18.7
2 5	6 7.77	+40 43.5	1.415	2.207	19.1	18.9

314333 2005 TP_{23} 12 30.1 217°.58 3°.1/30.5 17

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 27	7 1.96	+14 31.1	2.055	2.874	13.0	21.6
12 7	6 56.42	+14 15.5	1.976	2.872	9.8	21.4
12 17	6 48.81	+14 7.3	1.921	2.870	6.4	21.2
12 27	6 39.89	+14 6.8	1.895	2.868	3.4	21.0
1 6	6 30.61	+14 13.4	1.897	2.866	4.1	21.0
1 16	6 22.00	+14 26.4	1.929	2.864	7.4	21.2
1 26	6 15.01	+14 44.5	1.987	2.861	10.9	21.5
2 5	6 10.28	+15 6.3	2.069	2.859	13.9	21.7

414981 2011 DR_{22} 12 30.1 329°.70 3°.8/30.7 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 27	6 59.04	+13 11.9	1.766	2.595	14.3	20.7
12 7	6 54.71	+13 2.5	1.679	2.579	11.0	20.5
12 17	6 48.02	+13 3.6	1.615	2.564	7.3	20.2
12 27	6 39.74	+13 15.7	1.577	2.549	4.1	20.0
1 6	6 30.91	+13 38.2	1.566	2.535	4.8	20.0
1 16	6 22.69	+14 9.3	1.583	2.522	8.4	20.2
1 26	6 16.22	+14 46.8	1.625	2.509	12.3	20.4
2 5	6 12.27	+15 27.8	1.690	2.497	15.8	20.6

247988 2004 CF_{78} 12 30.1 85°.27 2°.9/29.8 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 27	7 6.57	+30 43.3	1.829	2.660	13.8	20.7
12 7	7 0.17	+30 57.4	1.760	2.664	10.3	20.5
12 17	6 51.13	+31 6.2	1.714	2.668	6.5	20.3
12 27	6 40.44	+31 5.8	1.696	2.672	3.2	20.1
1 6	6 29.43	+30 54.3	1.707	2.676	4.4	20.2
1 16	6 19.47	+30 32.0	1.746	2.681	8.1	20.4
1 26	6 11.71	+30 1.6	1.811	2.685	11.8	20.7
2 5	6 6.86	+29 27.1	1.899	2.689	15.0	20.9

238173 2003 SD_{175} 12 30.1 194°.32 1°.1/30.2 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 27	7 4.93	+19 23.6	2.054	2.877	12.9	21.9
12 7	6 58.66	+19 27.2	1.973	2.875	9.6	21.7
12 17	6 50.16	+19 35.0	1.917	2.873	5.7	21.5
12 27	6 40.22	+19 45.6	1.889	2.870	1.8	21.2
1 6	6 29.88	+19 57.6	1.892	2.867	3.1	21.3
1 16	6 20.25	+20 9.8	1.924	2.863	7.2	21.5
1 26	6 12.35	+20 21.9	1.984	2.859	10.9	21.7
2 5	6 6.87	+20 33.8	2.066	2.854	14.0	22.0

420930 2013 NZ_{19} 12 30.1 87°.05 1°.6/30.1 16

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 27	7 7.02	+30 10.8	2.296	3.115	11.8	20.7
12 7	6 59.82	+29 41.6	2.225	3.125	8.7	20.5
12 17	6 50.62	+29 6.2	2.180	3.135	5.3	20.3
12 27	6 40.28	+28 23.4	2.165	3.144	2.0	20.1
1 6	6 29.87	+27 33.7	2.181	3.154	3.1	20.2
1 16	6 20.41	+26 39.0	2.228	3.164	6.5	20.4
1 26	6 12.79	+25 42.4	2.304	3.174	9.8	20.7
2 5	6 7.52	+24 47.0	2.404	3.184	12.5	20.9

103481 2000 AP_{224} 12 30.1 29°.01 0°.2/30.1 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 27	7 3.87	+21 45.9	1.584	2.425	15.1	19.5
12 7	6 58.38	+21 58.7	1.517	2.428	11.2	19.2
12 17	6 50.18	+22 15.2	1.472	2.432	6.6	19.0
12 27	6 40.24	+22 32.9	1.454	2.436	1.6	18.7
1 6	6 29.88	+22 49.3	1.464	2.441	3.5	18.8
1 16	6 20.52	+23 2.9	1.502	2.445	8.3	19.1
1 26	6 13.37	+23 13.6	1.564	2.450	12.6	19.4
2 5	6 9.19	+23 22.0	1.649	2.455	16.2	19.6

80645 2000 AN_{227} 12 30.1 172°.26 3°.2/29.8 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 27	7 10.80	+32 6.1	2.095	2.912	12.9	20.1
12 7	7 3.03	+32 25.3	2.020	2.916	9.7	19.9
12 17	6 52.72	+32 38.4	1.970	2.920	6.2	19.7
12 27	6 40.82	+32 41.1	1.949	2.922	3.4	19.5
1 6	6 28.59	+32 31.2	1.958	2.924	4.4	19.6
1 16	6 17.34	+32 9.1	1.998	2.926	7.8	19.8
1 26	6 8.21	+31 37.6	2.065	2.926	11.1	20.0
2 5	6 1.88	+31 0.9	2.155	2.925	14.1	20.2

156078 2001 SU_{150} 12 30.1 78°.35 6°.9/30.9 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 27	7 4.58	+ 7 40.0	1.513	2.328	17.0	19.8
12 7	6 58.68	+ 6 53.8	1.456	2.341	13.5	19.6
12 17	6 50.23	+ 6 23.7	1.420	2.353	9.8	19.5
12 27	6 40.23	+ 6 12.4	1.410	2.366	7.2	19.3
1 6	6 29.97	+ 6 20.5	1.426	2.379	7.6	19.4
1 16	6 20.77	+ 6 46.2	1.469	2.392	10.4	19.6
1 26	6 13.75	+ 7 25.8	1.536	2.404	13.8	19.8
2 5	6 9.57	+ 8 14.4	1.623	2.417	17.0	20.1

516697 2008 UB_{357} 12 30.1 162°.13 2°.9/29.5 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
11 27	7 7.77	+28 49.9	1.834	2.663	13.9	21.8
12 7	7 1.14	+29 34.5	1.762	2.667	10.3	21.6
12 17	6 51.78	+30 17.2	1.715	2.670	6.4	21.4
12 27	6 40.63	+30 52.7	1.696	2.673	3.1	21.2
1 6	6 28.99	+31 17.1	1.707	2.675	4.5	21.3
1 16	6 18.29	+31 28.9	1.745	2.678	8.3	21.5
1 26	6 9.78	+31 29.5	1.811	2.679	12.1	21.8
2 5	6 4.23	+31 22.0	1.898	2.681	15.3	22.0

12425 1995 VG_2 12 30.1 111°.99 4°.8/29.4 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 27	7 11.41	+33 9.5	1.604	2.433	15.6	17.9
12 7	7 4.09	+34 3.0	1.546	2.447	11.8	17.7
12 17	6 53.58	+34 49.6	1.512	2.461	7.8	17.5
12 27	6 41.04	+35 22.1	1.505	2.474	5.0	17.4
1 6	6 28.14	+35 36.1	1.525	2.486	6.1	17.5
1 16	6 16.57	+35 31.2	1.574	2.499	9.7	17.7
1 26	6 7.75	+35 11.2	1.647	2.511	13.3	18.0
2 5	6 2.44	+34 41.8	1.742	2.522	16.5	18.2

63766 2001 QQ_{284} 12 30.1 35°.47 3°.4/30.7 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 27	7 1.93	+13 49.2	1.707	2.535	14.8	19.1
12 7	6 56.69	+13 47.5	1.640	2.540	11.2	18.9
12 17	6 49.10	+13 56.3	1.595	2.546	7.2	18.7
12 27	6 39.99	+14 15.3	1.577	2.552	3.8	18.5
1 6	6 30.54	+14 42.8	1.587	2.558	4.5	18.5
1 16	6 21.93	+15 16.8	1.625	2.564	8.2	18.8
1 26	6 15.24	+15 54.6	1.688	2.570	12.0	19.0
2 5	6 11.15	+16 34.1	1.774	2.577	15.4	19.2

390745 2003 SB_{161} 12 30.1 99°.34 6°.5/31.5 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 27	7 3.44	+ 5 17.2	1.808	2.605	15.4	21.2
12 7	6 57.54	+ 4 57.8	1.747	2.619	12.3	21.0
12 17	6 49.47	+ 4 55.2	1.708	2.633	9.1	20.9
12 27	6 40.07	+ 5 10.8	1.695	2.646	6.8	20.8
1 6	6 30.41	+ 5 44.0	1.710	2.659	6.9	20.8
1 16	6 21.61	+ 6 32.0	1.753	2.672	9.3	21.0
1 26	6 14.64	+ 7 30.7	1.822	2.685	12.3	21.2
2 5	6 10.10	+ 8 35.6	1.913	2.697	15.1	21.4

138262 2000 GM_9 12 30.1 4°.42 2°.4/29.8 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 27	7 5.00	+28 28.1	1.642	2.482	14.7	19.3
12 7	6 59.29	+28 47.4	1.572	2.482	10.9	19.0
12 17	6 50.77	+29 3.8	1.524	2.482	6.7	18.8
12 27	6 40.41	+29 13.3	1.504	2.483	2.8	18.6
1 6	6 29.62	+29 13.2	1.511	2.483	4.3	18.7
1 16	6 19.86	+29 3.1	1.545	2.484	8.6	18.9
1 26	6 12.42	+28 45.2	1.605	2.486	12.7	19.2
2 5	6 8.05	+28 22.7	1.687	2.488	16.1	19.4

388102 2005 UN_{303} 12 30.1 294°.43 0°.1/30.1 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 27	7 4.62	+20 15.8	1.496	2.337	15.8	20.5
12 7	6 59.35	+20 53.8	1.414	2.326	11.8	20.2
12 17	6 51.02	+21 40.1	1.355	2.315	7.0	19.9
12 27	6 40.53	+22 30.9	1.322	2.304	1.7	19.5
1 6	6 29.25	+23 21.6	1.317	2.294	3.8	19.7
1 16	6 18.76	+24 8.1	1.339	2.283	9.1	19.9
1 26	6 10.57	+24 48.5	1.386	2.273	13.9	20.2
2 5	6 5.65	+25 22.6	1.454	2.262	17.9	20.4

389448 2010 CJ_{182} 12 30.1 301°.26 4°.4/30.7 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 27	7 2.65	+12 34.1	1.512	2.343	16.2	20.3
12 7	6 57.71	+12 22.7	1.429	2.330	12.5	20.1
12 17	6 49.97	+12 24.0	1.368	2.317	8.4	19.8
12 27	6 40.27	+12 38.8	1.332	2.304	4.8	19.5
1 6	6 29.89	+13 6.2	1.322	2.291	5.5	19.6
1 16	6 20.25	+13 44.1	1.340	2.279	9.6	19.8
1 26	6 12.73	+14 29.2	1.382	2.267	14.0	20.0
2 5	6 8.20	+15 18.3	1.445	2.255	17.9	20.2

399201 2014 GL_{25} 12 30.1 155°.61 5°.7/29.4 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 27	7 11.56	+39 59.3	2.295	3.095	12.4	21.6
12 7	7 3.61	+40 40.5	2.227	3.104	9.8	21.4
12 17	6 53.08	+41 10.8	2.185	3.111	7.3	21.3
12 27	6 40.95	+41 24.8	2.170	3.119	5.7	21.2
1 6	6 28.51	+41 19.6	2.185	3.125	6.3	21.3
1 16	6 17.11	+40 55.7	2.229	3.131	8.5	21.4
1 26	6 7.89	+40 16.7	2.300	3.136	11.1	21.6
2 5	6 1.55	+39 28.0	2.394	3.141	13.5	21.8

420671 2012 JG_{65} 12 30.1 146°.25 0°.5/29.9 17

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 27	7 1.65	+24 15.4	2.746	3.567	10.1	22.0
12 7	6 55.78	+24 28.4	2.672	3.574	7.4	21.8
12 17	6 48.29	+24 41.6	2.624	3.581	4.3	21.6
12 27	6 39.79	+24 53.3	2.606	3.588	1.1	21.4
1 6	6 31.07	+25 2.1	2.619	3.594	2.4	21.5
1 16	6 22.93	+25 7.5	2.663	3.600	5.5	21.8
1 26	6 16.10	+25 9.6	2.735	3.606	8.4	22.0
2 5	6 11.11	+25 9.2	2.833	3.611	10.9	22.1

88635 2001 RH_{45} 12 30.1 38.°48 1.°3/29.9 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
11 27	7 4.41	+26 17.0	1.818	2.654	13.7	19.2
12 7	6 58.56	+26 28.8	1.747	2.656	10.1	19.0
12 17	6 50.22	+26 39.4	1.700	2.659	6.0	18.7
12 27	6 40.28	+26 46.0	1.681	2.662	1.9	18.5
1 6	6 29.99	+26 46.5	1.690	2.665	3.5	18.6
1 16	6 20.63	+26 40.5	1.728	2.668	7.7	18.9
1 26	6 13.31	+26 29.3	1.792	2.671	11.6	19.1
2 5	6 8.74	+26 15.0	1.878	2.674	14.9	19.3

404074 2012 DH_{71} 12 30.1 106.°91 1.°6/30.3 18

11 27	7 2.90	+18 55.4	2.101	2.925	12.6	21.1
12 7	6 57.02	+18 41.2	2.030	2.932	9.3	20.9
12 17	6 49.13	+18 30.8	1.984	2.939	5.6	20.7
12 27	6 40.01	+18 23.6	1.967	2.946	2.1	20.5
1 6	6 30.64	+18 19.1	1.979	2.953	3.2	20.6
1 16	6 22.04	+18 17.0	2.021	2.960	6.9	20.8
1 26	6 15.11	+18 17.2	2.090	2.966	10.3	21.0
2 5	6 10.43	+18 19.6	2.182	2.972	13.3	21.2

191460 2003 SE_{258} 12 30.1 105.°48 4.°5/30.9 17

11 27	7 0.13	+ 9 31.8	2.247	3.052	12.5	20.4
12 7	6 54.90	+ 9 11.6	2.172	3.054	9.8	20.2
12 17	6 47.87	+ 9 1.8	2.121	3.057	6.9	20.1
12 27	6 39.72	+ 9 3.4	2.098	3.059	4.7	19.9
1 6	6 31.29	+ 9 16.2	2.104	3.061	5.0	20.0
1 16	6 23.46	+ 9 38.9	2.138	3.064	7.5	20.1
1 26	6 17.04	+10 9.8	2.200	3.066	10.4	20.3
2 5	6 12.62	+10 46.2	2.285	3.068	13.0	20.5

303472 2005 CM_{67} 12 30.1 227.°64 5.°8/29.7 18

11 27	7 11.29	+39 16.8	1.984	2.794	13.7	20.6
12 7	7 3.81	+39 40.6	1.904	2.787	10.8	20.4
12 17	6 53.39	+39 52.4	1.847	2.780	7.9	20.2
12 27	6 41.06	+39 46.4	1.817	2.773	5.9	20.1
1 6	6 28.30	+39 19.8	1.817	2.766	6.6	20.1
1 16	6 16.66	+38 33.5	1.844	2.758	9.3	20.2
1 26	6 7.45	+37 32.5	1.898	2.750	12.4	20.4
2 5	6 1.46	+36 23.1	1.974	2.741	15.3	20.6

228301 2000 EA_{54} 12 30.1 291.°86 0.°7/29.9 18

11 27	7 2.05	+24 47.2	2.226	3.055	11.8	20.7
12 7	6 56.49	+24 57.9	2.146	3.053	8.7	20.5
12 17	6 48.89	+25 8.7	2.092	3.050	5.1	20.2
12 27	6 39.98	+25 17.5	2.066	3.047	1.4	20.0
1 6	6 30.73	+25 22.7	2.070	3.045	2.9	20.1
1 16	6 22.14	+25 23.6	2.103	3.042	6.6	20.3
1 26	6 15.16	+25 20.8	2.164	3.040	10.0	20.5
2 5	6 10.42	+25 15.3	2.248	3.037	13.0	20.7

25970 Nelakanti 12 30.1 148.°80 4.°9/29.5 18

11 27	7 9.17	+35 50.1	1.958	2.777	13.5	18.6
12 7	7 2.14	+36 28.0	1.889	2.782	10.4	18.4
12 17	6 52.35	+36 57.4	1.845	2.787	7.2	18.2
12 27	6 40.81	+37 12.7	1.828	2.791	5.0	18.1
1 6	6 28.91	+37 10.8	1.840	2.795	5.9	18.1
1 16	6 18.06	+36 51.8	1.880	2.799	8.8	18.3
1 26	6 9.50	+36 19.1	1.946	2.803	11.9	18.5
2 5	6 3.97	+35 37.9	2.035	2.806	14.8	18.7

485580 2011 UD_{200} 12 30.1 126.°02 1.°6/30.2 17

11 27	7 5.80	+19 58.1	2.043	2.865	13.0	20.9
12 7	6 59.12	+19 28.7	1.975	2.876	9.6	20.7
12 17	6 50.34	+19 1.6	1.931	2.886	5.8	20.5
12 27	6 40.30	+18 36.5	1.917	2.896	2.1	20.3
1 6	6 30.08	+18 13.7	1.932	2.906	3.3	20.4
1 16	6 20.75	+17 53.7	1.977	2.915	7.1	20.6
1 26	6 13.22	+17 37.4	2.050	2.924	10.6	20.9
2 5	6 8.08	+17 25.0	2.147	2.933	13.6	21.1

165091 2000 GK_{79} 12 30.1 243.°48 0.°5/29.9 18

11 27	7 1.43	+24 17.5	2.584	3.407	10.5	20.9
12 7	6 55.85	+24 30.7	2.494	3.398	7.7	20.7
12 17	6 48.47	+24 44.5	2.431	3.388	4.6	20.5
12 27	6 39.90	+24 56.9	2.397	3.378	1.2	20.2
1 6	6 30.96	+25 6.4	2.393	3.368	2.6	20.3
1 16	6 22.55	+25 12.2	2.420	3.358	6.0	20.5
1 26	6 15.48	+25 14.5	2.475	3.347	9.1	20.7
2 5	6 10.36	+25 14.1	2.555	3.337	11.8	20.9

228811 2003 BR_{6} 12 30.1 29.°37 0.°4/30.1 18

11 27	7 6.39	+23 30.8	1.294	2.144	17.3	19.4
12 7	7 0.63	+23 7.1	1.233	2.149	12.8	19.2
12 17	6 51.65	+22 43.6	1.194	2.155	7.5	18.9
12 27	6 40.67	+22 18.9	1.179	2.161	1.9	18.6
1 6	6 29.34	+21 52.8	1.191	2.168	4.0	18.7
1 16	6 19.38	+21 26.5	1.229	2.175	9.5	19.1
1 26	6 12.17	+21 2.0	1.291	2.183	14.3	19.4
2 5	6 8.45	+20 41.0	1.373	2.191	18.3	19.6

184421 2005 NG_{2} 12 30.1 189.°77 1.°3/30.3 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
11 27	7 6.92	+18 46.1	1.766	2.592	14.5	20.9
12 7	7 0.46	+18 57.5	1.688	2.592	10.8	20.7
12 17	6 51.41	+19 15.1	1.634	2.591	6.5	20.4
12 27	6 40.63	+19 36.8	1.608	2.589	2.1	20.1
1 6	6 29.35	+20 0.4	1.611	2.587	3.5	20.2
1 16	6 18.90	+20 23.9	1.643	2.584	8.0	20.5
1 26	6 10.48	+20 46.4	1.702	2.580	12.2	20.7
2 5	6 4.88	+21 7.6	1.783	2.576	15.7	21.0

31978 Jeremyphilip 12 30.1 234.°71 1.°2/29.9 18

11 27	7 7.42	+25 23.4	1.862	2.691	13.7	19.6
12 7	7 0.95	+25 42.3	1.774	2.680	10.2	19.3
12 17	6 51.77	+26 1.5	1.710	2.667	6.1	19.1
12 27	6 40.73	+26 17.6	1.674	2.655	1.8	18.8
1 6	6 29.07	+26 27.6	1.667	2.642	3.6	18.9
1 16	6 18.16	+26 30.6	1.689	2.628	8.0	19.1
1 26	6 9.27	+26 27.3	1.738	2.613	12.2	19.3
2 5	6 3.26	+26 20.0	1.810	2.598	15.7	19.5

445756 2011 WD_{73} 12 30.1 62.°42 4.°8/29.1 18

11 27	7 7.98	+32 20.0	1.642	2.476	15.0	20.5
12 7	7 1.55	+33 32.5	1.591	2.494	11.3	20.3
12 17	6 52.12	+34 39.6	1.562	2.512	7.5	20.1
12 27	6 40.80	+35 33.8	1.561	2.529	4.9	20.0
1 6	6 29.10	+36 10.1	1.588	2.547	6.1	20.1
1 16	6 18.60	+36 27.0	1.642	2.565	9.5	20.3
1 26	6 10.65	+36 27.3	1.721	2.583	12.9	20.6
2 5	6 5.97	+36 15.6	1.821	2.601	15.9	20.8

262282 2006 SH_{365} 12 30.1 84.°29 2.°6/30.6 18

11 27	7 3.07	+15 14.7	1.851	2.676	14.0	20.8
12 7	6 57.39	+15 16.1	1.785	2.685	10.5	20.6
12 17	6 49.47	+15 25.9	1.742	2.694	6.6	20.4
12 27	6 40.16	+15 43.5	1.726	2.702	3.1	20.2
1 6	6 30.54	+16 7.2	1.739	2.711	3.9	20.2
1 16	6 21.75	+16 35.1	1.781	2.720	7.6	20.5
1 26	6 14.79	+17 5.5	1.850	2.729	11.3	20.7
2 5	6 10.30	+17 36.8	1.941	2.738	14.5	20.9

80347 1999 XJ_{115} 12 30.1 55.°77 0.°3/30.1 18

11 27	7 8.62	+23 21.9	1.221	2.071	18.1	18.8
12 7	7 2.20	+23 5.0	1.173	2.088	13.3	18.5
12 17	6 52.50	+22 49.0	1.145	2.107	7.8	18.3
12 27	6 40.87	+22 32.1	1.143	2.125	1.9	18.0
1 6	6 29.11	+22 13.6	1.167	2.144	4.1	18.2
1 16	6 18.97	+21 54.4	1.217	2.163	9.6	18.5
1 26	6 11.78	+21 36.3	1.291	2.182	14.3	18.9
2 5	6 8.18	+21 20.7	1.385	2.202	18.2	19.2

504949 2011 EK_{62} 12 30.1 14.°13 0.°6/30.3 17

11 27	7 1.21	+19 5.1	1.963	2.795	13.0	20.5
12 7	6 56.08	+19 39.2	1.890	2.796	9.6	20.2
12 17	6 48.76	+20 19.8	1.841	2.798	5.7	20.0
12 27	6 40.00	+21 4.3	1.819	2.801	1.6	19.7
1 6	6 30.85	+21 49.6	1.828	2.804	3.0	19.9
1 16	6 22.38	+22 32.9	1.865	2.807	7.1	20.1
1 26	6 15.62	+23 12.6	1.929	2.810	10.8	20.3
2 5	6 11.24	+23 48.0	2.016	2.814	14.0	20.6

105217 2000 OX_{56} 12 30.1 186.°30 11.°0/30.8 18

11 27	7 24.57	+46 45.9	1.252	2.060	20.3	20.0
12 7	7 15.33	+47 19.8	1.188	2.060	16.9	19.7
12 17	7 0.79	+47 27.9	1.144	2.060	13.4	19.5
12 27	6 42.90	+46 57.1	1.122	2.060	11.2	19.4
1 6	6 24.68	+45 41.9	1.124	2.059	11.5	19.4
1 16	6 9.17	+43 48.3	1.152	2.058	14.3	19.6
1 26	5 58.43	+41 31.3	1.202	2.056	17.9	19.8
2 5	5 53.12	+39 7.0	1.272	2.055	21.4	20.0

523219 2016 WZ_{26} 12 30.1 278.°72 1.°6/29.9 18

11 27	7 6.27	+26 4.5	1.623	2.461	15.0	21.6
12 7	7 0.53	+26 26.4	1.534	2.444	11.2	21.4
12 17	6 51.74	+26 48.7	1.468	2.427	6.7	21.1
12 27	6 40.78	+27 7.3	1.429	2.410	2.2	20.7
1 6	6 29.04	+27 18.6	1.418	2.392	4.1	20.8
1 16	6 18.09	+27 21.1	1.434	2.375	9.0	21.1
1 26	6 9.41	+27 15.9	1.476	2.357	13.5	21.3
2 5	6 3.97	+27 5.7	1.539	2.339	17.4	21.5

450657 2006 UX_{187} 12 30.1 85.°50 0.°8/30.0 17

11 27	7 8.56	+25 58.2	1.967	2.791	13.3	21.4
12 7	7 1.09	+25 53.3	1.917	2.820	9.7	21.2
12 17	6 51.44	+25 46.4	1.892	2.849	5.7	21.0
12 27	6 40.59	+25 35.5	1.896	2.877	1.5	20.8
1 6	6 29.73	+25 19.8	1.930	2.905	3.1	21.0
1 16	6 20.02	+25 0.1	1.994	2.932	7.0	21.3
1 26	6 12.37	+24 38.2	2.085	2.959	10.5	21.5
2 5	6 7.31	+24 15.9	2.200	2.985	13.4	21.8

132968 2002 TT_{136} 12 30.1 190°.11 0°.3/30.1 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
11 27	7 2.02	+24 33.8	2.892	3.709	9.7	20.2
12 7	6 56.03	+24 29.4	2.807	3.708	7.1	20.0
12 17	6 48.46	+24 24.3	2.750	3.706	4.2	19.8
12 27	6 39.91	+24 17.4	2.722	3.704	1.0	19.6
1 6	6 31.13	+24 7.9	2.727	3.702	2.3	19.7
1 16	6 22.89	+23 56.0	2.762	3.699	5.4	19.9
1 26	6 15.90	+23 42.2	2.826	3.696	8.2	20.1
2 5	6 10.67	+23 27.6	2.916	3.692	10.6	20.2

273528 2007 BG_{27} 12 30.1 27°.81 2°.2/30.5 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 27	7 3.56	+16 43.3	1.152	2.006	18.7	20.2
12 7	6 58.81	+17 4.1	1.097	2.014	14.0	19.9
12 17	6 50.73	+17 37.5	1.063	2.023	8.5	19.6
12 27	6 40.51	+18 20.8	1.052	2.033	3.1	19.4
1 6	6 29.83	+19 9.3	1.067	2.043	4.5	19.5
1 16	6 20.45	+19 58.7	1.107	2.055	10.0	19.8
1 26	6 13.88	+20 45.9	1.170	2.067	15.0	20.1
2 5	6 10.90	+21 29.0	1.252	2.080	19.1	20.4

194875 2002 AJ_{57} 12 30.1 358°.24 2°.1/30.4 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 27	7 2.55	+17 40.6	1.326	2.174	17.1	19.6
12 7	6 57.88	+17 46.5	1.258	2.172	12.8	19.3
12 17	6 50.15	+18 1.8	1.211	2.170	7.8	19.1
12 27	6 40.38	+18 24.9	1.189	2.169	2.8	18.8
1 6	6 30.05	+18 53.2	1.193	2.169	4.3	18.8
1 16	6 20.75	+19 24.1	1.223	2.170	9.4	19.1
1 26	6 13.92	+19 55.5	1.277	2.171	14.2	19.4
2 5	6 10.40	+20 26.0	1.351	2.173	18.3	19.7

17694 Jiránek 12 30.1 58°.99 0°.4/30.0 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 27	7 3.39	+23 9.9	1.879	2.713	13.4	17.9
12 7	6 57.71	+23 30.6	1.812	2.721	9.8	17.7
12 17	6 49.71	+23 53.3	1.769	2.728	5.8	17.5
12 27	6 40.23	+24 15.4	1.754	2.736	1.4	17.2
1 6	6 30.43	+24 34.4	1.768	2.744	3.1	17.3
1 16	6 21.49	+24 48.9	1.811	2.753	7.3	17.6
1 26	6 14.46	+24 59.0	1.881	2.761	11.1	17.9
2 5	6 10.00	+25 5.6	1.973	2.769	14.3	18.1

229339 2005 QM_{15} 12 30.1 79°.13 0°.9/30.0 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 27	7 7.81	+25 2.9	1.450	2.292	16.2	20.8
12 7	7 1.48	+25 9.6	1.388	2.300	12.0	20.5
12 17	6 52.11	+25 16.2	1.349	2.309	7.0	20.3
12 27	6 40.82	+25 19.2	1.335	2.317	1.9	20.0
1 6	6 29.18	+25 16.5	1.350	2.326	3.9	20.1
1 16	6 18.80	+25 7.9	1.391	2.334	8.9	20.5
1 26	6 11.03	+24 55.3	1.458	2.343	13.4	20.7
2 5	6 6.58	+24 41.0	1.545	2.351	17.1	21.0

73476 2002 PO_{4} 12 30.1 266°.22 4°.5/30.4 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 27	7 5.46	+14 6.3	1.447	2.279	16.8	19.9
12 7	6 59.77	+13 28.2	1.373	2.275	12.9	19.6
12 17	6 51.17	+12 59.4	1.320	2.270	8.5	19.4
12 27	6 40.63	+12 41.7	1.293	2.266	4.9	19.2
1 6	6 29.55	+12 35.7	1.293	2.261	5.8	19.2
1 16	6 19.43	+12 41.1	1.320	2.257	10.0	19.4
1 26	6 11.63	+12 56.4	1.371	2.252	14.3	19.7
2 5	6 6.98	+13 19.1	1.442	2.248	18.2	19.9

286290 2001 VN_{126} 12 30.1 69°.51 3°.7/31.1 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 27	7 2.13	+11 15.2	1.896	2.712	14.1	20.3
12 7	6 56.69	+11 29.0	1.826	2.718	10.8	20.1
12 17	6 49.08	+11 55.4	1.780	2.725	7.2	19.9
12 27	6 40.09	+12 33.6	1.761	2.732	4.1	19.7
1 6	6 30.76	+13 21.4	1.771	2.739	4.5	19.7
1 16	6 22.16	+14 15.6	1.810	2.746	7.8	19.9
1 26	6 15.29	+15 13.2	1.876	2.753	11.3	20.2
2 5	6 10.79	+16 11.0	1.964	2.760	14.4	20.4

300512 2007 TH_{186} 12 30.1 31°.25 5°.5/31.1 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 27	7 1.85	+10 32.7	1.368	2.202	17.5	20.2
12 7	6 56.99	+10 13.5	1.313	2.213	13.5	20.0
12 17	6 49.42	+10 10.1	1.279	2.225	9.3	19.8
12 27	6 40.18	+10 23.6	1.270	2.238	5.9	19.6
1 6	6 30.63	+10 52.7	1.286	2.251	6.3	19.7
1 16	6 22.19	+11 34.3	1.328	2.266	9.9	19.9
1 26	6 16.04	+12 24.3	1.395	2.281	13.8	20.2
2 5	6 12.86	+13 18.3	1.481	2.296	17.3	20.5

96315 1997 AP_{10} 12 30.1 140°.33 1°.3/30.0 18 R

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 27	7 36.02	+25 19.5	1.404	2.200	19.1	20.4
12 7	7 22.08	+25 41.3	1.345	2.233	14.1	20.2
12 17	7 4.06	+25 59.8	1.311	2.262	8.3	19.9
12 27	6 43.63	+26 7.6	1.307	2.288	2.3	19.6
1 6	6 23.19	+26 1.3	1.337	2.310	4.5	19.8
1 16	6 5.06	+25 42.3	1.399	2.329	10.2	20.2
1 26	5 50.90	+25 16.4	1.489	2.344	15.0	20.5
2 5	5 41.36	+24 49.4	1.602	2.356	18.8	20.8

499194 2009 SW_{351} 12 30.1 84°.06 18°.6/28.1 17

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
11 27	7 30.01	+56 6.1	1.107	1.895	23.7	21.1
12 7	7 22.16	+58 45.0	1.075	1.907	21.3	21.0
12 17	7 6.30	+60 50.0	1.060	1.918	19.4	20.9
12 27	6 44.44	+61 59.0	1.062	1.930	18.6	20.9
1 6	6 21.28	+62 0.6	1.084	1.941	19.1	21.0
1 16	6 2.11	+60 59.8	1.124	1.953	20.6	21.1
1 26	5 50.31	+59 14.5	1.180	1.964	22.6	21.3
2 5	5 46.39	+57 5.0	1.251	1.975	24.6	21.5

434017 2001 QP_{329} 12 30.1 90°.70 0°.0/30.1 16

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 27	7 9.12	+22 38.0	1.581	2.414	15.6	21.5
12 7	7 2.01	+22 41.9	1.528	2.436	11.4	21.3
12 17	6 52.20	+22 47.7	1.499	2.458	6.6	21.0
12 27	6 40.81	+22 52.8	1.497	2.479	1.6	20.8
1 6	6 29.29	+22 55.3	1.524	2.500	3.5	20.9
1 16	6 19.04	+22 54.8	1.580	2.521	8.2	21.3
1 26	6 11.22	+22 52.2	1.661	2.541	12.3	21.6
2 5	6 6.45	+22 48.9	1.764	2.561	15.7	21.8

470128 2006 UE_{24} 12 30.1 94°.42 2°.4/29.8 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 27	7 11.24	+27 52.3	1.466	2.303	16.4	21.7
12 7	7 3.91	+28 19.7	1.414	2.322	12.1	21.5
12 17	6 53.46	+28 44.1	1.384	2.342	7.3	21.3
12 27	6 41.13	+29 0.5	1.381	2.361	2.9	21.1
1 6	6 28.59	+29 5.7	1.407	2.379	4.5	21.2
1 16	6 17.51	+28 59.5	1.459	2.398	9.1	21.5
1 26	6 9.21	+28 44.9	1.537	2.415	13.3	21.8
2 5	6 4.36	+28 25.6	1.637	2.433	16.8	22.1

294979 2008 EU_{15} 12 30.1 128°.56 1°.2/30.3 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 27	7 8.44	+19 4.2	1.826	2.648	14.3	21.7
12 7	7 1.30	+19 12.1	1.764	2.665	10.5	21.5
12 17	6 51.74	+19 24.9	1.726	2.681	6.3	21.3
12 27	6 40.72	+19 40.8	1.716	2.696	2.0	21.1
1 6	6 29.45	+19 57.7	1.736	2.711	3.3	21.2
1 16	6 19.18	+20 14.3	1.786	2.725	7.6	21.5
1 26	6 10.98	+20 30.1	1.862	2.738	11.4	21.7
2 5	6 5.48	+20 45.1	1.962	2.750	14.7	22.0

156013 2001 RW_{78} 12 30.1 85°.52 5°.0/29.3 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 27	7 13.84	+33 7.7	1.644	2.468	15.5	19.3
12 7	7 5.66	+34 17.2	1.602	2.500	11.7	19.1
12 17	6 54.41	+35 19.0	1.585	2.531	7.7	19.0
12 27	6 41.35	+36 5.3	1.595	2.562	5.1	18.9
1 6	6 28.14	+36 31.7	1.634	2.592	6.2	19.0
1 16	6 16.41	+36 38.1	1.701	2.621	9.4	19.3
1 26	6 7.47	+36 28.3	1.793	2.650	12.8	19.5
2 5	6 1.97	+36 7.9	1.907	2.678	15.6	19.8

112582 2002 PZ_{54} 12 30.1 84°.80 0°.9/30.3 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 27	7 2.40	+19 58.4	2.372	3.193	11.4	19.9
12 7	6 56.41	+19 56.9	2.313	3.214	8.4	19.7
12 17	6 48.69	+19 58.4	2.279	3.235	5.0	19.6
12 27	6 39.97	+20 1.7	2.275	3.256	1.5	19.3
1 6	6 31.13	+20 6.0	2.301	3.276	2.6	19.5
1 16	6 23.02	+20 10.6	2.358	3.297	6.0	19.7
1 26	6 16.43	+20 15.5	2.442	3.317	9.1	20.0
2 5	6 11.84	+20 20.5	2.551	3.337	11.7	20.2

189730 2001 WW_{11} 12 30.1 98°.13 0°.5/29.9 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 27	7 8.77	+22 24.4	1.692	2.522	14.9	20.1
12 7	7 1.72	+23 0.7	1.638	2.544	10.9	19.9
12 17	6 52.05	+23 40.0	1.608	2.566	6.3	19.7
12 27	6 40.80	+24 18.2	1.606	2.588	1.5	19.4
1 6	6 29.32	+24 51.8	1.633	2.609	3.4	19.6
1 16	6 18.97	+25 18.6	1.689	2.629	7.9	19.9
1 26	6 10.90	+25 38.9	1.772	2.649	11.9	20.2
2 5	6 5.76	+25 53.8	1.877	2.668	15.1	20.4

15042 Anndavgui 12 30.1 35°.96 5°.7/30.6 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 27	7 11.88	+39 35.8	1.576	2.398	16.1	17.3
12 7	7 4.09	+39 25.1	1.534	2.425	12.5	17.1
12 17	6 53.31	+38 58.4	1.514	2.454	8.7	16.9
12 27	6 41.03	+38 11.6	1.520	2.483	6.0	16.9
1 6	6 29.02	+37 5.3	1.555	2.512	6.5	17.0
1 16	6 18.83	+35 44.3	1.616	2.542	9.4	17.2
1 26	6 11.59	+34 15.8	1.704	2.573	12.7	17.5
2 5	6 7.73	+32 46.9	1.813	2.604	15.6	17.7

137950 2000 CB_{7} 12 30.1 231°.14 0°.5/30.2 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 27	7 6.76	+19 54.0	1.835	2.661	14.0	20.4
12 7	7 0.48	+20 22.4	1.746	2.650	10.5	20.2
12 17	6 51.55	+20 57.2	1.681	2.638	6.2	19.9
12 27	6 40.75	+21 35.4	1.644	2.626	1.6	19.6
1 6	6 29.28	+22 13.8	1.637	2.613	3.3	19.7
1 16	6 18.46	+22 49.5	1.660	2.600	8.0	19.9
1 26	6 9.56	+23 21.4	1.709	2.586	12.2	20.2
2 5	6 3.46	+23 49.3	1.781	2.571	15.8	20.4

429069 2009 HP_{31} 12 30.1 243°.08 0°.0/29.9 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
11 27	7 7.87	+21 14.5	1.472	2.310	16.2	21.3
12 7	7 1.85	+21 45.4	1.390	2.301	12.1	21.1
12 17	6 52.59	+22 22.9	1.331	2.291	7.2	20.7
12 27	6 41.03	+23 3.1	1.298	2.280	1.7	20.4
1 6	6 28.65	+23 41.5	1.293	2.270	3.9	20.5
1 16	6 17.14	+24 14.9	1.316	2.259	9.3	20.8
1 26	6 8.07	+24 42.2	1.363	2.247	14.2	21.0
2 5	6 2.44	+25 4.2	1.432	2.236	18.4	21.3

355412 2007 UR_{105} 12 30.1 41°.48 0°.5/30.2 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 27	7 4.17	+20 31.8	1.419	2.265	16.3	20.6
12 7	6 58.72	+20 54.4	1.367	2.280	12.0	20.4
12 17	6 50.45	+21 22.8	1.336	2.297	7.0	20.2
12 27	6 40.44	+21 53.7	1.332	2.314	1.8	19.9
1 6	6 30.15	+22 23.7	1.355	2.331	3.6	20.0
1 16	6 21.07	+22 50.6	1.404	2.349	8.6	20.4
1 26	6 14.41	+23 13.5	1.478	2.368	13.0	20.7
2 5	6 10.86	+23 32.6	1.574	2.387	16.6	21.0

510532 2012 FK_{68} 12 30.1 188°.22 1°.0/29.9 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 27	7 8.16	+23 16.8	1.376	2.220	16.9	21.7
12 7	7 2.11	+23 52.0	1.307	2.220	12.5	21.5
12 17	6 52.71	+24 31.4	1.259	2.219	7.4	21.2
12 27	6 41.04	+25 10.2	1.237	2.219	1.9	20.8
1 6	6 28.71	+25 43.4	1.243	2.219	4.2	21.0
1 16	6 17.50	+26 8.4	1.275	2.218	9.6	21.3
1 26	6 8.98	+26 25.2	1.332	2.217	14.4	21.6
2 5	6 4.05	+26 35.7	1.409	2.216	18.4	21.8

388172 2006 BW_{37} 12 30.1 209°.80 0°.4/30.2 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 27	7 5.89	+21 10.4	1.961	2.787	13.3	22.2
12 7	6 59.59	+21 23.2	1.878	2.782	9.8	21.9
12 17	6 50.89	+21 39.6	1.819	2.777	5.8	21.7
12 27	6 40.58	+21 57.2	1.789	2.771	1.5	21.4
1 6	6 29.78	+22 14.0	1.788	2.764	3.1	21.5
1 16	6 19.70	+22 28.6	1.817	2.757	7.4	21.7
1 26	6 11.46	+22 40.8	1.873	2.749	11.3	22.0
2 5	6 5.79	+22 50.9	1.952	2.741	14.7	22.2

217282 2004 EX_5 12 30.1 237°.20 1°.3/30.4 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 27	7 3.38	+18 3.4	2.429	3.245	11.4	21.5
12 7	6 57.41	+18 11.1	2.332	3.229	8.5	21.3
12 17	6 49.49	+18 23.6	2.260	3.213	5.2	21.0
12 27	6 40.24	+18 39.8	2.217	3.197	1.9	20.8
1 6	6 30.51	+18 58.4	2.205	3.180	2.9	20.8
1 16	6 21.26	+19 18.2	2.224	3.162	6.4	21.0
1 26	6 13.37	+19 38.3	2.272	3.144	9.8	21.2
2 5	6 7.52	+19 58.2	2.344	3.125	12.8	21.4

100376 1995 UT_{73} 12 30.1 324°.17 3°.2/30.5 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 27	7 2.95	+15 32.2	1.619	2.452	15.3	19.6
12 7	6 57.71	+15 15.1	1.543	2.447	11.6	19.4
12 17	6 49.89	+15 6.4	1.489	2.442	7.4	19.1
12 27	6 40.35	+15 6.3	1.462	2.438	3.7	18.9
1 6	6 30.33	+15 14.2	1.462	2.434	4.6	19.0
1 16	6 21.14	+15 28.9	1.490	2.430	8.7	19.2
1 26	6 13.98	+15 49.2	1.543	2.426	12.9	19.4
2 5	6 9.64	+16 13.1	1.617	2.423	16.5	19.6

108588 2001 MR_{10} 12 30.1 121°.53 3°.2/29.8 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 27	7 11.18	+30 47.2	1.771	2.597	14.5	20.0
12 7	7 3.57	+31 12.7	1.711	2.613	10.8	19.8
12 17	6 53.18	+31 32.7	1.676	2.628	6.8	19.6
12 27	6 41.10	+31 42.4	1.668	2.643	3.4	19.5
1 6	6 28.79	+31 39.3	1.689	2.657	4.6	19.6
1 16	6 17.71	+31 23.6	1.739	2.671	8.4	19.8
1 26	6 9.07	+30 58.6	1.816	2.684	12.1	20.1
2 5	6 3.53	+30 28.3	1.915	2.697	15.2	20.3

8138 1980 FF_{12} 12 30.1 221°.16 2°.0/29.9 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 27	7 9.55	+26 56.4	1.500	2.337	16.0	17.8
12 7	7 3.03	+27 17.9	1.423	2.332	11.9	17.5
12 17	6 53.22	+27 38.2	1.369	2.327	7.2	17.2
12 27	6 41.18	+27 52.7	1.341	2.321	2.6	16.9
1 6	6 28.49	+27 57.6	1.341	2.315	4.4	17.0
1 16	6 16.87	+27 52.3	1.369	2.309	9.4	17.3
1 26	6 7.86	+27 38.7	1.422	2.302	14.0	17.6
2 5	6 2.38	+27 20.4	1.495	2.295	17.9	17.8

43165 1999 XA_{156} 12 30.1 160°.08 0°.6/30.2 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 27	7 5.11	+19 51.5	2.220	3.039	12.2	19.6
12 7	6 58.69	+20 14.7	2.144	3.045	9.0	19.4
12 17	6 50.20	+20 42.1	2.095	3.051	5.3	19.2
12 27	6 40.40	+21 11.6	2.075	3.056	1.4	18.9
1 6	6 30.26	+21 41.0	2.085	3.061	2.8	19.0
1 16	6 20.81	+22 8.3	2.126	3.065	6.6	19.3
1 26	6 12.97	+22 33.0	2.195	3.068	10.1	19.5
2 5	6 7.39	+22 54.9	2.289	3.071	13.0	19.7

24327 2000 AB_{54} 12 30.1 119°.05 1°.2/30.4 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
11 27	7 1.63	+17 35.2	2.350	3.169	11.6	18.3
12 7	6 56.03	+17 57.9	2.276	3.176	8.6	18.1
12 17	6 48.60	+18 26.5	2.229	3.183	5.2	17.9
12 27	6 40.01	+18 59.2	2.210	3.190	1.8	17.7
1 6	6 31.13	+19 34.0	2.221	3.196	2.8	17.7
1 16	6 22.86	+20 8.9	2.263	3.203	6.2	18.0
1 26	6 16.02	+20 42.7	2.333	3.209	9.4	18.2
2 5	6 11.20	+21 14.5	2.428	3.215	12.2	18.4

329412 2002 JJ_{48} 12 30.1 207°.59 3°.8/29.5 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 27	7 10.80	+30 53.1	1.719	2.547	14.8	20.9
12 7	7 3.78	+31 41.0	1.640	2.542	11.1	20.7
12 17	6 53.62	+32 25.4	1.585	2.537	7.2	20.4
12 27	6 41.29	+33 0.0	1.557	2.531	4.0	20.2
1 6	6 28.27	+33 19.8	1.559	2.524	5.4	20.3
1 16	6 16.21	+33 23.3	1.588	2.517	9.3	20.5
1 26	6 6.59	+33 12.8	1.643	2.509	13.3	20.7
2 5	6 0.33	+32 53.0	1.720	2.500	16.7	21.0

442228 2011 KH_{31} 12 30.1 207°.65 1°.5/29.8 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 27	7 7.69	+25 45.5	2.050	2.873	12.9	22.4
12 7	7 0.95	+26 18.1	1.965	2.868	9.5	22.2
12 17	6 51.72	+26 51.1	1.905	2.861	5.7	21.9
12 27	6 40.81	+27 20.9	1.874	2.854	1.9	21.7
1 6	6 29.34	+27 44.1	1.873	2.846	3.5	21.8
1 16	6 18.58	+27 59.2	1.902	2.837	7.5	22.0
1 26	6 9.69	+28 6.6	1.958	2.828	11.3	22.2
2 5	6 3.44	+28 8.1	2.038	2.818	14.5	22.4

448006 2008 DS_{17} 12 30.1 6°.43 3°.1/30.6 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 27	7 1.22	+15 9.7	1.516	2.355	15.8	20.4
12 7	6 56.54	+15 6.7	1.448	2.355	11.9	20.2
12 17	6 49.23	+15 14.1	1.402	2.356	7.6	19.9
12 27	6 40.21	+15 31.5	1.381	2.358	3.6	19.7
1 6	6 30.76	+15 57.1	1.388	2.360	4.5	19.8
1 16	6 22.21	+16 28.7	1.421	2.364	8.8	20.0
1 26	6 15.77	+17 3.9	1.478	2.367	13.0	20.3
2 5	6 12.20	+17 40.4	1.558	2.372	16.6	20.5

115354 2003 SW_{244} 12 30.1 15°.21 6°.2/29.6 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 27	7 6.61	+35 36.7	1.328	2.174	17.2	19.4
12 7	7 1.26	+36 20.8	1.270	2.177	13.3	19.2
12 17	6 52.28	+36 54.5	1.234	2.182	9.2	19.0
12 27	6 40.96	+37 10.1	1.221	2.188	6.4	18.8
1 6	6 29.18	+37 3.2	1.234	2.194	7.4	18.9
1 16	6 18.91	+36 34.5	1.272	2.201	11.0	19.1
1 26	6 11.71	+35 49.5	1.333	2.209	15.0	19.4
2 5	6 8.38	+34 55.3	1.413	2.218	18.5	19.6

146864 2002 AX_{165} 12 30.1 268°.41 2°.7/30.6 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 27	7 1.53	+14 40.1	2.171	2.989	12.4	19.9
12 7	6 56.22	+14 39.4	2.079	2.975	9.4	19.7
12 17	6 48.87	+14 46.5	2.011	2.961	6.1	19.4
12 27	6 40.13	+15 1.2	1.972	2.946	3.1	19.2
1 6	6 30.92	+15 22.3	1.961	2.932	3.7	19.3
1 16	6 22.22	+15 48.5	1.980	2.917	7.2	19.4
1 26	6 15.00	+16 18.2	2.027	2.903	10.7	19.6
2 5	6 9.93	+16 49.9	2.097	2.888	13.7	19.8

21709 Sethmurray 12 30.1 322°.17 5°.2/29.6 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 27	7 7.97	+32 43.2	1.279	2.128	17.6	17.3
12 7	7 2.54	+33 23.8	1.208	2.119	13.4	17.0
12 17	6 53.25	+33 57.9	1.157	2.111	8.9	16.7
12 27	6 41.26	+34 17.7	1.131	2.103	5.4	16.5
1 6	6 28.47	+34 17.5	1.130	2.096	6.8	16.6
1 16	6 16.99	+33 56.8	1.154	2.089	11.2	16.8
1 26	6 8.66	+33 20.2	1.201	2.083	15.9	17.1
2 5	6 4.45	+32 34.6	1.267	2.077	19.9	17.3

123970 2001 FQ_{27} 12 30.1 140°.51 4°.1/29.4 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 27	7 5.93	+36 56.6	2.673	3.480	10.7	19.7
12 7	6 59.19	+37 28.8	2.604	3.489	8.2	19.6
12 17	6 50.46	+37 53.4	2.561	3.498	5.8	19.4
12 27	6 40.50	+38 6.7	2.547	3.506	4.2	19.3
1 6	6 30.29	+38 6.7	2.563	3.514	4.8	19.4
1 16	6 20.84	+37 53.3	2.609	3.521	7.0	19.5
1 26	6 13.05	+37 28.8	2.682	3.528	9.4	19.7
2 5	6 7.50	+36 56.4	2.780	3.535	11.6	19.9

3333 Schaber 12 30.1 152°.51 3°.1/30.6 18 R

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 27	7 0.44	+11 59.6	2.954	3.752	10.0	17.6
12 7	6 54.77	+11 35.4	2.878	3.760	7.7	17.4
12 17	6 47.72	+11 17.4	2.829	3.767	5.2	17.3
12 27	6 39.84	+11 6.3	2.809	3.775	3.3	17.2
1 6	6 31.78	+11 2.0	2.821	3.781	3.7	17.2
1 16	6 24.22	+11 4.4	2.863	3.787	5.8	17.3
1 26	6 17.78	+11 12.6	2.933	3.793	8.2	17.5
2 5	6 12.90	+11 25.4	3.029	3.799	10.4	17.7

368366 2002 QW_{151} 12 30.1 234°.65 4°.0/30.8 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
11 27	7 0.09	+10 45.1	2.388	3.193	11.8	21.2
12 7	6 54.89	+10 25.0	2.305	3.190	9.2	21.0
12 17	6 47.96	+10 13.8	2.248	3.186	6.4	20.9
12 27	6 39.92	+10 12.2	2.219	3.183	4.2	20.7
1 6	6 31.58	+10 20.3	2.219	3.179	4.6	20.7
1 16	6 23.76	+10 37.2	2.248	3.175	7.1	20.9
1 26	6 17.28	+11 1.3	2.305	3.171	9.9	21.1
2 5	6 12.68	+11 30.7	2.385	3.167	12.5	21.2

160044 1999 RJ_{37} 12 30.1 105°.15 6°.8/31.5 18

11 27	7 5.69	+ 3 12.8	2.110	2.885	14.2	20.3
12 7	6 58.84	+ 2 31.1	2.058	2.913	11.5	20.2
12 17	6 50.15	+ 2 4.8	2.031	2.940	8.8	20.1
12 27	6 40.41	+ 1 56.1	2.030	2.966	7.1	20.0
1 6	6 30.60	+ 2 5.2	2.058	2.991	7.2	20.1
1 16	6 21.64	+ 2 30.5	2.115	3.016	9.0	20.2
1 26	6 14.34	+ 3 8.7	2.198	3.040	11.3	20.4
2 5	6 9.21	+ 3 55.8	2.304	3.063	13.6	20.6

455774 2005 OV_4 12 30.1 91°.84 1°.9/30.4 16

11 27	7 4.27	+17 16.7	2.036	2.857	13.0	21.8
12 7	6 58.03	+17 14.1	1.977	2.877	9.7	21.6
12 17	6 49.78	+17 17.1	1.943	2.896	5.9	21.4
12 27	6 40.34	+17 24.9	1.937	2.916	2.4	21.2
1 6	6 30.75	+17 36.2	1.961	2.935	3.3	21.3
1 16	6 22.00	+17 50.1	2.015	2.954	6.9	21.6
1 26	6 15.00	+18 5.6	2.096	2.972	10.3	21.8
2 5	6 10.31	+18 22.0	2.201	2.990	13.2	22.1

488939 2005 UV_{138} 12 30.1 342°.28 7°.1/30.4 17

11 27	7 0.99	+ 7 10.6	1.782	2.592	15.1	21.1
12 7	6 56.01	+ 6 1.3	1.707	2.586	12.1	20.9
12 17	6 48.80	+ 5 4.2	1.655	2.582	9.2	20.7
12 27	6 40.15	+ 4 23.3	1.629	2.577	7.3	20.5
1 6	6 31.11	+ 4 1.1	1.629	2.573	7.7	20.6
1 16	6 22.80	+ 3 57.9	1.656	2.570	10.1	20.7
1 26	6 16.24	+ 4 12.0	1.708	2.567	13.2	20.9
2 5	6 12.11	+ 4 39.4	1.780	2.564	16.1	21.1

426204 2012 KM_{23} 12 30.1 142°.28 3°.7/31.7 18

11 27	7 1.66	+ 6 46.0	2.805	3.586	10.9	21.4
12 7	6 55.77	+ 7 15.8	2.727	3.595	8.5	21.2
12 17	6 48.37	+ 7 57.4	2.675	3.603	6.0	21.1
12 27	6 40.02	+ 8 50.1	2.652	3.611	4.0	21.0
1 6	6 31.41	+ 9 52.1	2.660	3.618	4.1	21.0
1 16	6 23.28	+11 0.6	2.701	3.625	6.2	21.1
1 26	6 16.29	+12 12.5	2.771	3.632	8.6	21.3
2 5	6 10.95	+13 25.2	2.867	3.638	10.9	21.5

155549 1999 UC_{29} 12 30.1 65°.76 0°.6/30.0 17

11 27	7 3.18	+23 57.4	2.011	2.842	12.8	21.0
12 7	6 57.49	+24 16.1	1.942	2.850	9.4	20.8
12 17	6 49.60	+24 35.9	1.899	2.857	5.5	20.6
12 27	6 40.33	+24 54.3	1.883	2.865	1.4	20.4
1 6	6 30.76	+25 9.1	1.897	2.872	3.0	20.5
1 16	6 21.99	+25 19.3	1.940	2.880	7.0	20.8
1 26	6 15.01	+25 25.0	2.010	2.888	10.6	21.0
2 5	6 10.47	+25 27.4	2.103	2.896	13.6	21.2

367436 Siena 12 30.1 74°.33 1°.7/29.9 17

11 27	7 3.67	+27 49.3	2.217	3.044	11.9	21.4
12 7	6 57.64	+28 3.7	2.154	3.058	8.7	21.2
12 17	6 49.58	+28 15.7	2.117	3.073	5.2	21.0
12 27	6 40.31	+28 22.7	2.108	3.088	2.0	20.8
1 6	6 30.85	+28 23.2	2.129	3.102	3.2	20.9
1 16	6 22.22	+28 17.0	2.180	3.117	6.6	21.2
1 26	6 15.31	+28 5.2	2.258	3.131	9.8	21.4
2 5	6 10.70	+27 49.9	2.360	3.146	12.6	21.6

9820 Hempel 12 30.1 291°.61 0°.0/29.9 18

11 27	7 5.48	+22 38.2	1.477	2.320	15.9	18.5
12 7	7 0.14	+22 45.1	1.391	2.304	11.9	18.3
12 17	6 51.65	+22 55.1	1.327	2.288	7.1	17.9
12 27	6 40.92	+23 5.5	1.289	2.271	1.7	17.6
1 6	6 29.38	+23 13.7	1.279	2.255	3.8	17.7
1 16	6 18.69	+23 18.5	1.295	2.239	9.3	17.9
1 26	6 10.36	+23 20.1	1.335	2.223	14.2	18.2
2 5	6 5.39	+23 19.9	1.396	2.208	18.4	18.4

221926 2009 OA_9 12 30.1 134°.94 3°.8/30.6 18

11 27	7 7.50	+13 41.5	1.682	2.500	15.4	21.6
12 7	7 0.80	+13 22.2	1.617	2.512	11.7	21.4
12 17	6 51.59	+13 12.5	1.575	2.523	7.6	21.1
12 27	6 40.82	+13 12.8	1.561	2.533	4.2	21.0
1 6	6 29.76	+13 22.4	1.575	2.543	4.9	21.0
1 16	6 19.68	+13 40.0	1.617	2.552	8.7	21.3
1 26	6 11.72	+14 3.7	1.686	2.561	12.5	21.5
2 5	6 6.54	+14 31.5	1.777	2.569	15.8	21.8

180504 2004 CR_{99} 12 30.1 216°.59 0°.3/30.2 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
11 27	7 3.82	+21 1.0	1.965	2.794	13.1	20.5
12 7	6 58.07	+21 18.2	1.886	2.792	9.7	20.2
12 17	6 50.03	+21 39.4	1.832	2.790	5.7	20.0
12 27	6 40.47	+22 2.2	1.805	2.787	1.5	19.7
1 6	6 30.47	+22 24.5	1.808	2.785	3.0	19.8
1 16	6 21.19	+22 44.6	1.841	2.782	7.2	20.1
1 26	6 13.69	+23 1.9	1.900	2.779	11.1	20.3
2 5	6 8.68	+23 16.7	1.982	2.776	14.3	20.5

6119 Hjorth 12 30.1 5°.95 1°.8/30.1 18

11 27	7 5.23	+21 50.4	1.455	2.298	16.1	16.4
12 7	6 59.56	+20 56.3	1.386	2.298	12.0	16.1
12 17	6 51.02	+20 1.7	1.340	2.299	7.2	15.9
12 27	6 40.71	+19 8.0	1.320	2.300	2.5	15.6
1 6	6 30.06	+18 16.8	1.327	2.303	4.2	15.7
1 16	6 20.57	+17 30.8	1.362	2.305	9.0	16.0
1 26	6 13.49	+16 52.3	1.421	2.309	13.5	16.3
2 5	6 9.54	+16 22.0	1.502	2.313	17.3	16.5

149649 2004 FR_{43} 12 30.1 127°.84 1°.4/29.9 18 R

11 27	7 9.12	+25 18.7	1.731	2.560	14.6	20.4
12 7	7 2.14	+25 49.3	1.667	2.573	10.7	20.1
12 17	6 52.45	+26 20.1	1.628	2.585	6.3	19.9
12 27	6 41.05	+26 47.1	1.616	2.597	2.0	19.7
1 6	6 29.30	+27 6.8	1.634	2.608	3.7	19.8
1 16	6 18.62	+27 18.1	1.681	2.619	8.1	20.1
1 26	6 10.22	+27 22.0	1.754	2.629	12.1	20.3
2 5	6 4.81	+27 20.7	1.849	2.639	15.4	20.6

99057 2001 EL_{21} 12 30.1 35°.80 5°.7/30.1 18

11 27	7 10.40	+37 19.7	1.545	2.374	16.1	19.3
12 7	7 3.59	+37 34.4	1.482	2.380	12.4	19.1
12 17	6 53.46	+37 36.1	1.442	2.385	8.6	18.9
12 27	6 41.30	+37 19.1	1.427	2.391	5.9	18.7
1 6	6 28.87	+36 40.9	1.439	2.398	6.7	18.8
1 16	6 17.94	+35 44.2	1.477	2.405	10.0	19.0
1 26	6 9.91	+34 35.2	1.541	2.412	13.7	19.2
2 5	6 5.47	+33 21.1	1.626	2.419	17.0	19.5

474342 2002 OL_{33} 12 30.1 150°.98 2°.1/30.4 16

11 27	7 8.05	+18 1.9	1.696	2.521	15.0	22.4
12 7	7 1.28	+17 48.0	1.626	2.528	11.2	22.2
12 17	6 51.93	+17 39.5	1.581	2.535	6.9	21.9
12 27	6 40.93	+17 35.8	1.563	2.542	2.7	21.7
1 6	6 29.60	+17 36.0	1.574	2.547	3.9	21.8
1 16	6 19.25	+17 39.6	1.613	2.552	8.3	22.0
1 26	6 11.06	+17 46.1	1.679	2.557	12.3	22.3
2 5	6 5.72	+17 55.1	1.767	2.561	15.8	22.5

280181 2002 RP_{178} 12 30.1 91°.41 3°.6/29.7 17

11 27	7 6.08	+34 40.7	2.426	3.240	11.4	21.1
12 7	6 59.32	+35 2.4	2.367	3.259	8.6	20.9
12 17	6 50.53	+35 17.0	2.333	3.277	5.8	20.8
12 27	6 40.56	+35 21.2	2.329	3.295	3.7	20.7
1 6	6 30.45	+35 13.2	2.354	3.313	4.4	20.8
1 16	6 21.24	+34 53.7	2.409	3.331	6.9	20.9
1 26	6 13.81	+34 24.9	2.492	3.349	9.6	21.1
2 5	6 8.72	+33 50.3	2.598	3.366	12.0	21.3

450634 2006 TM_{125} 12 30.1 71°.17 0°.0/30.1 18

11 27	7 4.60	+23 15.0	1.870	2.703	13.5	21.4
12 7	6 58.68	+23 8.9	1.796	2.704	10.0	21.2
12 17	6 50.38	+23 3.6	1.746	2.705	5.9	20.9
12 27	6 40.57	+22 57.3	1.724	2.706	1.4	20.6
1 6	6 30.41	+22 49.0	1.730	2.707	3.1	20.8
1 16	6 21.12	+22 38.8	1.766	2.708	7.5	21.0
1 26	6 13.76	+22 27.4	1.828	2.709	11.4	21.3
2 5	6 9.02	+22 16.1	1.913	2.710	14.6	21.5

403085 2008 CK_{37} 12 30.1 343°.37 5°.4/31.1 17

11 27	7 0.84	+ 9 22.8	1.634	2.456	15.7	21.3
12 7	6 56.16	+ 9 7.1	1.559	2.450	12.3	21.0
12 17	6 49.03	+ 9 6.0	1.505	2.446	8.7	20.8
12 27	6 40.28	+ 9 21.0	1.477	2.441	5.8	20.6
1 6	6 31.03	+ 9 51.5	1.476	2.438	6.2	20.7
1 16	6 22.54	+10 35.0	1.501	2.435	9.3	20.8
1 26	6 15.94	+11 28.0	1.552	2.432	13.0	21.0
2 5	6 11.99	+12 26.2	1.624	2.430	16.4	21.3

173112 4327 T-2 12 30.1 85°.68 6°.1/29.3 18

11 27	7 10.46	+37 29.1	1.768	2.588	14.7	19.6
12 7	7 3.40	+38 27.1	1.713	2.604	11.4	19.5
12 17	6 53.29	+39 14.8	1.682	2.619	8.2	19.3
12 27	6 41.28	+39 45.0	1.677	2.634	6.2	19.2
1 6	6 28.94	+39 53.8	1.700	2.648	7.0	19.3
1 16	6 17.88	+39 41.3	1.750	2.663	9.8	19.5
1 26	6 9.43	+39 11.9	1.826	2.678	12.8	19.7
2 5	6 4.31	+38 31.5	1.923	2.692	15.6	19.9

460918 2014 WS_{219} 12 30.1 150°.76 3°.4/30.3 17

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
11 27	7 2.07	+13 43.9	2.415	3.225	11.6	21.4
12 7	6 56.26	+13 1.3	2.339	3.228	8.9	21.2
12 17	6 48.74	+12 24.3	2.287	3.231	5.9	21.0
12 27	6 40.17	+11 54.1	2.265	3.233	3.7	20.9
1 6	6 31.37	+11 31.6	2.273	3.236	4.2	20.9
1 16	6 23.20	+11 17.2	2.311	3.238	6.9	21.1
1 26	6 16.41	+11 10.6	2.376	3.241	9.7	21.3
2 5	6 11.55	+11 10.6	2.466	3.243	12.3	21.5

176898 2002 VO_{51} 12 30.1 62°.28 1°.6/30.4 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 27	7 5.13	+17 54.8	1.631	2.464	15.2	20.2
12 7	6 59.08	+18 8.1	1.580	2.486	11.2	20.0
12 17	6 50.57	+18 28.6	1.552	2.509	6.7	19.8
12 27	6 40.61	+18 54.1	1.551	2.531	2.3	19.5
1 6	6 30.47	+19 21.9	1.578	2.554	3.5	19.7
1 16	6 21.41	+19 50.1	1.634	2.577	7.9	20.0
1 26	6 14.50	+20 17.4	1.716	2.599	11.8	20.3
2 5	6 10.35	+20 42.9	1.819	2.622	15.1	20.5

452045 2014 OT_{216} 12 30.1 43°.82 2°.3/29.7 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 27	7 4.76	+27 29.1	1.784	2.620	13.9	21.3
12 7	6 59.03	+28 4.9	1.716	2.625	10.3	21.1
12 17	6 50.69	+28 39.7	1.673	2.630	6.2	20.9
12 27	6 40.68	+29 9.1	1.656	2.635	2.6	20.7
1 6	6 30.25	+29 29.7	1.669	2.641	4.0	20.8
1 16	6 20.75	+29 40.1	1.709	2.646	8.0	21.0
1 26	6 13.36	+29 41.5	1.775	2.652	11.8	21.3
2 5	6 8.80	+29 36.3	1.864	2.658	15.1	21.5

477293 2009 SM_{187} 12 30.1 47°.89 0°.5/30.2 16

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 27	7 7.13	+20 21.1	1.151	2.004	18.8	21.1
12 7	7 1.31	+20 44.7	1.109	2.026	13.8	20.8
12 17	6 52.15	+21 15.3	1.088	2.049	8.1	20.6
12 27	6 41.01	+21 48.6	1.090	2.072	2.0	20.3
1 6	6 29.68	+22 20.4	1.119	2.096	4.1	20.5
1 16	6 19.95	+22 48.2	1.173	2.120	9.7	20.9
1 26	6 13.18	+23 11.3	1.251	2.145	14.4	21.3
2 5	6 10.03	+23 30.2	1.348	2.170	18.3	21.6

319771 2006 UY_{255} 12 30.1 197°.38 3°.4/29.5 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 27	7 9.84	+29 22.1	1.698	2.528	14.8	21.0
12 7	7 3.09	+30 12.9	1.622	2.526	11.1	20.8
12 17	6 53.27	+31 1.9	1.570	2.524	7.0	20.5
12 27	6 41.34	+31 42.8	1.546	2.521	3.6	20.3
1 6	6 28.76	+32 10.7	1.550	2.518	5.0	20.4
1 16	6 17.12	+32 23.7	1.582	2.514	9.1	20.6
1 26	6 7.89	+32 23.3	1.640	2.509	13.1	20.8
2 5	6 1.93	+32 13.5	1.720	2.504	16.5	21.1

195089 2002 CP_{115} 12 30.1 48°.82 5°.1/31.3 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 27	7 3.60	+ 9 48.5	1.450	2.275	17.1	20.2
12 7	6 58.29	+ 9 49.2	1.390	2.285	13.3	20.0
12 17	6 50.29	+10 6.8	1.351	2.295	9.1	19.8
12 27	6 40.58	+10 41.2	1.337	2.305	5.6	19.6
1 6	6 30.50	+11 30.2	1.350	2.316	6.0	19.6
1 16	6 21.42	+12 29.7	1.389	2.327	9.5	19.9
1 26	6 14.57	+13 35.0	1.454	2.338	13.5	20.1
2 5	6 10.66	+14 41.6	1.539	2.349	17.0	20.4

323617 2004 VD_{27} 12 30.1 71°.42 0°.6/30.2 17

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 27	7 3.26	+21 50.9	2.076	2.904	12.5	20.3
12 7	6 57.41	+21 38.0	2.007	2.913	9.2	20.2
12 17	6 49.51	+21 26.6	1.964	2.921	5.4	19.9
12 27	6 40.36	+21 15.7	1.948	2.930	1.5	19.7
1 6	6 31.00	+21 4.9	1.962	2.938	2.9	19.8
1 16	6 22.43	+20 54.0	2.006	2.947	6.8	20.1
1 26	6 15.59	+20 43.8	2.077	2.955	10.3	20.3
2 5	6 11.06	+20 34.8	2.171	2.964	13.3	20.5

366926 2005 UE_{331} 12 30.1 235°.40 2°.5/29.7 17

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 27	7 4.90	+29 31.8	2.091	2.919	12.5	21.0
12 7	6 58.90	+29 57.2	2.012	2.915	9.3	20.8
12 17	6 50.54	+30 19.6	1.958	2.912	5.8	20.5
12 27	6 40.65	+30 35.3	1.932	2.909	2.8	20.3
1 6	6 30.34	+30 41.8	1.935	2.905	3.9	20.4
1 16	6 20.79	+30 38.3	1.968	2.902	7.4	20.6
1 26	6 13.08	+30 26.4	2.027	2.898	10.9	20.8
2 5	6 7.93	+30 8.6	2.110	2.894	13.9	21.0

108076 2001 FC_{170} 12 30.1 227°.07 5°.7/29.8 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 27	7 10.91	+38 28.1	1.891	2.705	14.1	19.6
12 7	7 3.69	+38 51.1	1.814	2.702	11.1	19.4
12 17	6 53.49	+39 2.4	1.761	2.698	7.9	19.2
12 27	6 41.37	+38 56.3	1.735	2.693	5.8	19.1
1 6	6 28.84	+38 29.8	1.737	2.689	6.5	19.1
1 16	6 17.46	+37 44.2	1.767	2.685	9.3	19.3
1 26	6 8.57	+36 44.4	1.823	2.680	12.6	19.5
2 5	6 2.94	+35 36.8	1.902	2.675	15.6	19.7

176822 2002 TU_{103} 12 30.1 18°.95 6°.7/29.8 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
11 27	7 5.69	+36 21.7	1.232	2.082	18.0	19.5
12 7	7 0.71	+37 2.8	1.183	2.092	13.9	19.3
12 17	6 52.02	+37 31.6	1.154	2.102	9.7	19.1
12 27	6 41.02	+37 40.2	1.149	2.115	6.8	18.9
1 6	6 29.71	+37 25.0	1.168	2.128	7.8	19.0
1 16	6 20.07	+36 47.8	1.212	2.143	11.3	19.3
1 26	6 13.66	+35 54.8	1.278	2.159	15.2	19.5
2 5	6 11.16	+34 53.5	1.364	2.176	18.7	19.8

81904 2000 MN_{3} 12 30.1 284°.74 2°.1/30.2 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 27	7 4.32	+19 10.6	1.871	2.699	13.7	18.9
12 7	6 58.59	+18 35.1	1.779	2.683	10.3	18.7
12 17	6 50.44	+18 1.8	1.712	2.667	6.4	18.4
12 27	6 40.65	+17 31.2	1.673	2.651	2.6	18.1
1 6	6 30.35	+17 3.8	1.662	2.636	3.8	18.2
1 16	6 20.74	+16 40.5	1.681	2.620	8.0	18.4
1 26	6 12.96	+16 22.3	1.726	2.604	12.0	18.6
2 5	6 7.78	+16 9.4	1.793	2.588	15.5	18.8

167943 2005 EZ_{186} 12 30.1 298°.25 7°.9/31.4 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 27	6 58.74	− 0 34.7	2.324	3.090	13.3	19.6
12 7	6 54.02	− 1 20.3	2.240	3.079	11.3	19.4
12 17	6 47.55	− 1 50.3	2.178	3.069	9.3	19.2
12 27	6 39.93	− 2 1.4	2.142	3.058	8.0	19.1
1 6	6 31.95	− 1 52.2	2.133	3.048	8.1	19.1
1 16	6 24.44	− 1 23.6	2.150	3.037	9.6	19.2
1 26	6 18.21	− 0 38.0	2.193	3.027	11.7	19.3
2 5	6 13.85	+ 0 20.0	2.259	3.017	13.9	19.5

41441 2000 HK_{25} 12 30.1 68°.29 9°.0/31.1 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 27	7 3.14	+ 1 34.0	1.795	2.580	16.0	18.5
12 7	6 57.39	+ 0 16.3	1.740	2.595	13.3	18.3
12 17	6 49.52	− 0 43.5	1.708	2.610	10.7	18.2
12 27	6 40.38	− 1 20.8	1.700	2.625	9.1	18.2
1 6	6 31.06	− 1 33.6	1.719	2.640	9.3	18.2
1 16	6 22.61	− 1 22.9	1.764	2.655	11.0	18.3
1 26	6 15.96	− 0 52.0	1.833	2.671	13.4	18.5
2 5	6 11.71	− 0 6.6	1.923	2.686	15.8	18.7

488092 2015 VC_{42} 12 30.1 57°.06 0°.4/30.2 17

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 27	7 5.33	+19 44.2	1.657	2.491	14.9	20.7
12 7	6 59.24	+20 21.7	1.608	2.516	10.9	20.5
12 17	6 50.69	+21 5.0	1.583	2.542	6.4	20.3
12 27	6 40.67	+21 50.6	1.586	2.567	1.6	20.1
1 6	6 30.46	+22 34.5	1.617	2.593	3.2	20.2
1 16	6 21.33	+23 14.2	1.676	2.619	7.7	20.6
1 26	6 14.35	+23 48.4	1.762	2.645	11.6	20.9
2 5	6 10.14	+24 17.4	1.870	2.671	14.8	21.1

183619 2003 UT_{229} 12 30.1 62°.05 3°.1/29.9 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 27	7 9.70	+28 36.8	1.252	2.101	17.9	20.7
12 7	7 3.39	+29 6.2	1.199	2.113	13.3	20.5
12 17	6 53.51	+29 32.2	1.167	2.126	8.1	20.2
12 27	6 41.39	+29 48.8	1.160	2.138	3.5	20.0
1 6	6 28.93	+29 52.0	1.179	2.152	5.2	20.2
1 16	6 18.04	+29 41.8	1.224	2.165	10.1	20.5
1 26	6 10.24	+29 21.8	1.292	2.178	14.7	20.8
2 5	6 6.28	+28 56.5	1.381	2.192	18.5	21.1

213164 2000 RC_{92} 12 30.1 102°.18 5°.2/30.8 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 27	7 8.64	+11 26.7	1.465	2.285	17.2	20.1
12 7	7 1.79	+10 54.9	1.411	2.304	13.2	19.9
12 17	6 52.23	+10 36.2	1.380	2.323	9.0	19.7
12 27	6 41.05	+10 31.8	1.374	2.341	5.6	19.6
1 6	6 29.67	+10 41.5	1.395	2.359	6.2	19.7
1 16	6 19.51	+11 3.2	1.444	2.376	9.7	19.9
1 26	6 11.74	+11 34.3	1.518	2.393	13.6	20.2
2 5	6 7.01	+12 11.3	1.613	2.409	17.0	20.4

281640 2008 UV_{334} 12 30.1 118°.89 1°.3/30.3 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 27	7 7.02	+19 9.3	1.849	2.673	14.0	22.0
12 7	7 0.33	+19 12.9	1.786	2.688	10.4	21.8
12 17	6 51.30	+19 21.2	1.747	2.703	6.2	21.6
12 27	6 40.84	+19 32.7	1.737	2.717	2.0	21.3
1 6	6 30.13	+19 45.6	1.756	2.731	3.3	21.4
1 16	6 20.38	+19 58.8	1.804	2.745	7.5	21.7
1 26	6 12.62	+20 11.8	1.880	2.757	11.3	22.0
2 5	6 7.48	+20 24.6	1.978	2.770	14.4	22.2

113369 2002 SQ_{3} 12 30.1 37°.19 1°.2/29.9 17

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 27	7 4.93	+25 22.1	1.643	2.483	14.7	20.6
12 7	6 59.26	+25 40.8	1.577	2.488	10.9	20.3
12 17	6 50.88	+25 59.6	1.533	2.493	6.4	20.1
12 27	6 40.76	+26 15.3	1.517	2.498	1.9	19.8
1 6	6 30.26	+26 25.0	1.528	2.504	3.7	20.0
1 16	6 20.76	+26 27.8	1.568	2.509	8.2	20.2
1 26	6 13.49	+26 24.9	1.632	2.516	12.3	20.5
2 5	6 9.18	+26 18.1	1.719	2.522	15.8	20.7

521882 2015 TB_{381} 12 30.1 129°.56 2°.4/29.6 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
11 27	7 5.68	+27 44.1	1.950	2.780	13.2	20.9
12 7	6 59.60	+28 31.1	1.879	2.784	9.8	20.7
12 17	6 51.02	+29 17.4	1.832	2.787	6.0	20.5
12 27	6 40.81	+29 58.3	1.813	2.791	2.7	20.3
1 6	6 30.14	+30 30.1	1.824	2.795	4.0	20.4
1 16	6 20.28	+30 50.8	1.864	2.798	7.8	20.6
1 26	6 12.38	+31 1.2	1.931	2.801	11.3	20.9
2 5	6 7.19	+31 3.5	2.020	2.804	14.4	21.1

141348 2002 AJ_{19} 12 30.1 42°.05 0°.6/30.1 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 27	7 5.58	+25 44.1	1.635	2.474	14.8	19.3
12 7	6 59.54	+25 27.9	1.576	2.487	10.9	19.0
12 17	6 50.91	+25 9.7	1.540	2.500	6.4	18.8
12 27	6 40.75	+24 47.9	1.532	2.513	1.6	18.5
1 6	6 30.41	+24 22.0	1.551	2.527	3.4	18.7
1 16	6 21.23	+23 53.3	1.599	2.542	7.9	19.0
1 26	6 14.33	+23 23.9	1.672	2.557	12.0	19.3
2 5	6 10.31	+22 55.8	1.767	2.572	15.4	19.5

285641 2000 SN_{16} 12 30.1 87°.68 1°.2/30.3 18 R

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 27	7 9.85	+20 27.7	1.341	2.180	17.4	20.6
12 7	7 3.01	+20 20.5	1.288	2.198	12.9	20.4
12 17	6 53.08	+20 17.8	1.257	2.216	7.6	20.2
12 27	6 41.28	+20 17.8	1.252	2.233	2.3	19.9
1 6	6 29.28	+20 18.9	1.274	2.250	4.0	20.1
1 16	6 18.70	+20 20.4	1.323	2.267	9.2	20.4
1 26	6 10.86	+20 22.7	1.397	2.284	13.8	20.7
2 5	6 6.43	+20 26.0	1.492	2.300	17.5	21.0

139762 2001 QM_{287} 12 30.1 147°.24 2°.6/30.5 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 27	7 3.34	+15 48.8	2.026	2.846	13.1	20.2
12 7	6 57.55	+15 36.5	1.952	2.850	9.9	20.0
12 17	6 49.67	+15 30.8	1.902	2.853	6.2	19.8
12 27	6 40.47	+15 31.5	1.880	2.856	3.0	19.6
1 6	6 30.95	+15 38.0	1.888	2.859	3.8	19.6
1 16	6 22.16	+15 49.3	1.925	2.862	7.3	19.8
1 26	6 15.04	+16 4.6	1.988	2.864	10.8	20.1
2 5	6 10.23	+16 22.7	2.075	2.867	13.8	20.3

289774 2005 JP_{93} 12 30.1 155°.74 3°.8/29.3 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 27	7 7.89	+33 27.3	2.362	3.176	11.7	21.5
12 7	7 0.91	+34 14.4	2.291	3.184	8.9	21.3
12 17	6 51.67	+34 56.2	2.246	3.191	5.9	21.1
12 27	6 40.96	+35 28.0	2.231	3.197	3.9	21.0
1 6	6 29.89	+35 46.8	2.245	3.203	4.7	21.1
1 16	6 19.58	+35 51.6	2.289	3.208	7.4	21.3
1 26	6 11.09	+35 44.3	2.361	3.213	10.3	21.5
2 5	6 5.08	+35 28.1	2.456	3.217	12.8	21.6

206439 2003 SE_{207} 12 30.1 78°.09 0°.1/30.1 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 27	7 6.65	+22 50.3	1.656	2.490	14.9	21.2
12 7	7 0.31	+23 2.5	1.599	2.507	10.9	21.0
12 17	6 51.38	+23 16.8	1.565	2.524	6.4	20.8
12 27	6 40.88	+23 30.4	1.559	2.541	1.5	20.5
1 6	6 30.15	+23 41.0	1.581	2.557	3.3	20.7
1 16	6 20.53	+23 47.8	1.631	2.574	7.9	21.0
1 26	6 13.14	+23 51.2	1.708	2.590	11.9	21.3
2 5	6 8.63	+23 52.5	1.807	2.606	15.3	21.5

511940 2015 HH_{172} 12 30.1 266°.13 1°.6/29.9 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 27	7 8.37	+26 5.4	1.422	2.264	16.5	21.3
12 7	7 2.43	+26 21.8	1.342	2.254	12.3	21.0
12 17	6 53.09	+26 38.0	1.285	2.244	7.4	20.7
12 27	6 41.39	+26 49.5	1.253	2.234	2.4	20.4
1 6	6 28.92	+26 52.9	1.248	2.224	4.3	20.5
1 16	6 17.48	+26 47.2	1.271	2.213	9.6	20.8
1 26	6 8.70	+26 34.4	1.317	2.203	14.5	21.0
2 5	6 3.52	+26 17.6	1.384	2.192	18.7	21.3

349589 2008 TW_{10} 12 30.1 130°.74 2°.9/30.7 17

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 27	7 0.92	+12 58.1	2.617	3.422	10.9	21.6
12 7	6 55.33	+12 48.3	2.545	3.433	8.3	21.5
12 17	6 48.19	+12 45.5	2.499	3.442	5.5	21.3
12 27	6 40.10	+12 49.7	2.482	3.452	3.2	21.2
1 6	6 31.81	+13 0.5	2.496	3.461	3.6	21.2
1 16	6 24.08	+13 17.0	2.539	3.470	6.1	21.4
1 26	6 17.61	+13 37.8	2.611	3.479	8.8	21.6
2 5	6 12.90	+14 1.7	2.708	3.487	11.3	21.8

134188 2005 CV_{52} 12 30.1 198°.68 3°.4/31.1 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 27	7 0.17	+10 28.9	2.513	3.315	11.4	20.1
12 7	6 54.95	+10 36.3	2.431	3.314	8.8	19.9
12 17	6 48.06	+10 53.6	2.373	3.313	6.0	19.7
12 27	6 40.09	+11 20.6	2.345	3.311	3.7	19.6
1 6	6 31.81	+11 56.1	2.346	3.310	4.0	19.6
1 16	6 24.02	+12 38.3	2.377	3.308	6.5	19.8
1 26	6 17.48	+13 24.9	2.437	3.306	9.3	20.0
2 5	6 12.73	+14 13.7	2.521	3.304	11.9	20.1

404508 2013 HB_{48} 12 30.1 177°.30 0°.7/30.2 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
11 27	7 3.91	+21 6.0	2.133	2.958	12.4	21.7
12 7	6 57.96	+21 3.5	2.055	2.959	9.1	21.5
12 17	6 49.92	+21 3.4	2.003	2.959	5.4	21.3
12 27	6 40.55	+21 4.4	1.978	2.960	1.5	21.0
1 6	6 30.85	+21 5.5	1.984	2.960	2.9	21.1
1 16	6 21.86	+21 6.1	2.019	2.960	6.8	21.4
1 26	6 14.54	+21 6.4	2.082	2.959	10.3	21.6
2 5	6 9.51	+21 6.8	2.169	2.959	13.4	21.8

488257 2016 CV_{208} 12 30.1 322°.00 0°.5/30.1 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 27	7 1.55	+23 34.6	2.127	2.958	12.2	21.0
12 7	6 56.38	+23 54.0	2.045	2.952	9.0	20.8
12 17	6 49.07	+24 15.3	1.988	2.946	5.3	20.6
12 27	6 40.36	+24 36.0	1.958	2.940	1.4	20.3
1 6	6 31.23	+24 53.9	1.959	2.935	2.9	20.4
1 16	6 22.73	+25 7.7	1.988	2.929	6.8	20.6
1 26	6 15.85	+25 17.3	2.045	2.924	10.4	20.8
2 5	6 11.27	+25 23.5	2.125	2.919	13.5	21.0

195731 2002 PB_{82} 12 30.2 139°.73 1°.6/30.5 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 27	7 1.21	+17 1.3	2.751	3.563	10.3	20.6
12 7	6 55.52	+17 2.4	2.678	3.573	7.6	20.5
12 17	6 48.30	+17 7.9	2.631	3.582	4.7	20.3
12 27	6 40.15	+17 17.2	2.613	3.591	2.0	20.1
1 6	6 31.79	+17 29.4	2.627	3.600	2.7	20.2
1 16	6 23.97	+17 43.6	2.671	3.608	5.6	20.4
1 26	6 17.38	+17 59.1	2.745	3.616	8.3	20.6
2 5	6 12.52	+18 15.4	2.843	3.623	10.8	20.7

477236 2009 RU_{30} 12 30.2 88°.71 15°.9/30.5 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 27	7 37.20	+61 41.5	1.604	2.329	19.9	21.0
12 7	7 26.02	+63 29.2	1.575	2.352	18.1	20.9
12 17	7 7.79	+64 44.0	1.564	2.374	16.7	20.8
12 27	6 44.95	+65 10.7	1.573	2.396	15.9	20.8
1 6	6 21.87	+64 43.3	1.602	2.417	16.1	20.9
1 16	6 2.83	+63 27.3	1.652	2.438	16.9	21.0
1 26	5 50.34	+61 36.8	1.721	2.459	18.2	21.2
2 5	5 44.69	+59 27.7	1.807	2.479	19.6	21.3

178243 Schaerding 12 30.2 254°.49 0°.0/30.1 17

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 27	7 3.69	+22 27.1	2.071	2.899	12.6	21.5
12 7	6 57.99	+22 34.3	1.985	2.890	9.3	21.3
12 17	6 50.05	+22 43.5	1.924	2.881	5.5	21.1
12 27	6 40.62	+22 52.8	1.891	2.872	1.4	20.8
1 6	6 30.74	+23 0.6	1.887	2.863	2.9	20.9
1 16	6 21.50	+23 5.9	1.913	2.854	7.0	21.1
1 26	6 13.96	+23 8.9	1.966	2.845	10.8	21.3
2 5	6 8.81	+23 10.3	2.043	2.835	14.0	21.5

256297 2006 WE_{136} 12 30.2 217°.34 1°.6/30.4 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 27	7 3.43	+18 34.7	1.974	2.800	13.2	21.4
12 7	6 57.76	+18 27.6	1.896	2.799	9.8	21.2
12 17	6 49.89	+18 25.2	1.842	2.798	6.0	20.9
12 27	6 40.59	+18 26.7	1.816	2.796	2.2	20.7
1 6	6 30.91	+18 31.2	1.820	2.794	3.3	20.8
1 16	6 21.95	+18 37.9	1.852	2.793	7.3	21.0
1 26	6 14.73	+18 46.3	1.911	2.791	11.0	21.2
2 5	6 9.92	+18 56.1	1.994	2.789	14.2	21.4

355379 2007 TS_{376} 12 30.2 39°.64 3°.7/29.2 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 27	7 6.42	+27 53.9	1.493	2.336	15.8	20.1
12 7	7 0.78	+29 13.2	1.434	2.346	11.7	19.8
12 17	6 52.01	+30 33.0	1.399	2.355	7.3	19.6
12 27	6 41.14	+31 45.4	1.389	2.365	3.8	19.4
1 6	6 29.71	+32 43.7	1.408	2.376	5.4	19.6
1 16	6 19.38	+33 24.6	1.453	2.386	9.6	19.8
1 26	6 11.59	+33 48.7	1.523	2.398	13.6	20.1
2 5	6 7.20	+33 59.6	1.614	2.409	17.0	20.4

457272 2008 RZ_{55} 12 30.2 278°.75 3°.0/29.9 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 27	7 5.14	+32 16.5	2.203	3.026	12.1	21.1
12 7	6 59.02	+32 27.2	2.121	3.020	9.1	20.9
12 17	6 50.62	+32 32.1	2.063	3.014	5.9	20.7
12 27	6 40.77	+32 27.9	2.034	3.008	3.2	20.6
1 6	6 30.54	+32 12.8	2.035	3.002	4.1	20.6
1 16	6 21.10	+31 47.1	2.064	2.996	7.3	20.8
1 26	6 13.48	+31 13.2	2.121	2.990	10.6	21.0
2 5	6 8.35	+30 34.5	2.202	2.984	13.5	21.2

59047 1998 TO_{19} 12 30.2 1°.38 2°.7/30.3 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 27	7 0.02	+19 17.3	0.989	1.861	19.7	18.0
12 7	6 56.78	+18 47.3	0.931	1.857	14.7	17.7
12 17	6 49.92	+18 24.2	0.892	1.855	9.0	17.4
12 27	6 40.65	+18 8.5	0.875	1.855	3.5	17.1
1 6	6 30.81	+18 0.0	0.880	1.857	5.1	17.2
1 16	6 22.34	+17 58.3	0.909	1.861	11.0	17.5
1 26	6 16.88	+18 2.8	0.958	1.866	16.4	17.8
2 5	6 15.28	+18 12.0	1.025	1.873	20.9	18.1

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
247626 2002 UV_5		12 30.2 46°.09 6°.4/27.7 17				
	h m	° ′			°	m
11 27	7 9.39	+35 49.4	1.974	2.792	13.5	19.7
12 7	7 2.71	+37 56.5	1.921	2.810	10.5	19.5
12 17	6 53.09	+39 57.2	1.895	2.828	7.7	19.4
12 27	6 41.42	+41 42.2	1.897	2.846	6.4	19.4
1 6	6 29.07	+43 4.3	1.930	2.865	7.4	19.4
1 16	6 17.56	+44 0.7	1.990	2.884	9.8	19.6
1 26	6 8.28	+44 33.3	2.076	2.903	12.5	19.8
2 5	6 2.14	+44 47.1	2.183	2.922	14.8	20.1
262086 2006 RT_{75}		12 30.2 182°.03 1°.1/30.3 18				
11 27	7 4.08	+19 34.9	1.958	2.785	13.2	21.2
12 7	6 58.27	+19 38.9	1.881	2.785	9.8	20.9
12 17	6 50.20	+19 47.2	1.829	2.785	5.9	20.7
12 27	6 40.67	+19 58.6	1.805	2.785	1.8	20.4
1 6	6 30.75	+20 11.4	1.810	2.785	3.1	20.5
1 16	6 21.58	+20 24.4	1.844	2.785	7.2	20.8
1 26	6 14.18	+20 37.1	1.905	2.784	11.0	21.0
2 5	6 9.24	+20 49.5	1.989	2.784	14.2	21.2
383512 2007 CU_{25}		12 30.2 301°.03 1°.5/30.4 18				
11 27	7 4.49	+19 9.7	1.380	2.225	16.7	21.0
12 7	6 59.66	+19 13.7	1.292	2.205	12.6	20.7
12 17	6 51.58	+19 25.1	1.227	2.186	7.7	20.4
12 27	6 41.12	+19 42.5	1.186	2.167	2.5	20.0
1 6	6 29.73	+20 3.3	1.171	2.148	4.2	20.1
1 16	6 19.11	+20 25.4	1.183	2.129	9.7	20.3
1 26	6 10.89	+20 47.5	1.219	2.111	14.9	20.6
2 5	6 6.12	+21 9.2	1.274	2.093	19.4	20.8
24717 1991 SA		12 30.2 109°.11 0°.7/30.2 18				
11 27	7 10.68	+21 48.6	1.753	2.576	14.7	18.9
12 7	7 3.01	+21 39.6	1.697	2.600	10.8	18.7
12 17	6 52.87	+21 32.4	1.666	2.623	6.3	18.5
12 27	6 41.30	+21 25.3	1.663	2.645	1.7	18.2
1 6	6 29.62	+21 17.4	1.691	2.666	3.3	18.4
1 16	6 19.14	+21 8.6	1.747	2.687	7.7	18.7
1 26	6 10.90	+21 0.0	1.831	2.707	11.6	19.0
2 5	6 5.51	+20 52.5	1.937	2.726	14.8	19.2
158046 2000 SE_{139}		12 30.2 142°.04 4°.4/30.8 18				
11 27	7 5.90	+10 30.0	2.151	2.950	13.2	21.4
12 7	6 59.20	+10 1.4	2.083	2.963	10.2	21.2
12 17	6 50.57	+ 9 42.5	2.040	2.976	7.1	21.0
12 27	6 40.75	+ 9 34.2	2.025	2.988	4.7	20.9
1 6	6 30.72	+ 9 36.7	2.041	2.999	5.1	21.0
1 16	6 21.44	+ 9 49.0	2.086	3.010	7.7	21.1
1 26	6 13.80	+10 9.6	2.158	3.020	10.7	21.3
2 5	6 8.35	+10 36.2	2.254	3.028	13.4	21.5
13268 Trevorcorbin		12 30.2 163°.48 3°.2/30.6 18				
11 27	7 4.17	+14 14.4	2.009	2.825	13.4	19.0
12 7	6 58.20	+13 59.9	1.934	2.829	10.1	18.8
12 17	6 50.10	+13 53.3	1.884	2.831	6.6	18.6
12 27	6 40.66	+13 54.6	1.861	2.834	3.5	18.5
1 6	6 30.88	+14 3.4	1.868	2.836	4.2	18.5
1 16	6 21.83	+14 18.6	1.903	2.838	7.5	18.7
1 26	6 14.46	+14 38.8	1.966	2.840	11.0	18.9
2 5	6 9.43	+15 2.5	2.052	2.841	14.1	19.1
443939 2002 UR_8		12 30.2 47°.09 2°.1/29.6 18				
11 27	7 7.71	+23 33.3	1.410	2.252	16.6	19.9
12 7	7 1.50	+24 58.3	1.367	2.280	12.1	19.7
12 17	6 52.28	+26 26.9	1.349	2.308	7.1	19.5
12 27	6 41.19	+27 51.0	1.356	2.337	2.5	19.3
1 6	6 29.83	+29 3.8	1.392	2.366	4.4	19.5
1 16	6 19.79	+30 1.3	1.456	2.395	9.0	19.8
1 26	6 12.37	+30 43.4	1.545	2.424	13.1	20.1
2 5	6 8.27	+31 12.6	1.654	2.454	16.5	20.4
421166 2013 RS_{44}		12 30.2 274°.29 0°.9/30.3 18				
11 27	7 2.14	+21 3.6	2.320	3.144	11.5	20.6
12 7	6 56.55	+20 46.0	2.237	3.140	8.5	20.4
12 17	6 49.07	+20 29.8	2.180	3.136	5.1	20.2
12 27	6 40.40	+20 14.6	2.151	3.132	1.6	19.9
1 6	6 31.43	+20 0.1	2.153	3.129	2.8	20.0
1 16	6 23.09	+19 46.5	2.185	3.125	6.4	20.3
1 26	6 16.24	+19 34.3	2.244	3.121	9.7	20.5
2 5	6 11.47	+19 24.0	2.328	3.117	12.6	20.7
82707 2001 PH_{42}		12 30.2 334°.18 15°.6/ 1.3 18				
11 27	6 59.99	−15 7.1	1.751	2.455	19.2	18.9
12 7	6 55.51	−16 46.2	1.687	2.447	17.7	18.8
12 17	6 48.71	−17 55.9	1.640	2.440	16.5	18.7
12 27	6 40.35	−18 28.3	1.612	2.433	15.7	18.6
1 6	6 31.51	−18 19.4	1.604	2.427	15.7	18.6
1 16	6 23.34	−17 29.6	1.616	2.421	16.4	18.6
1 26	6 16.93	−16 4.3	1.647	2.416	17.7	18.7
2 5	6 13.02	−14 12.5	1.696	2.411	19.3	18.8

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
271314 2003 WE_1		12 30.2 27°.63 2°.9/29.7 18				
	h m	° ′			°	m
11 27	7 6.29	+26 2.4	1.103	1.963	18.9	20.4
12 7	7 1.36	+26 57.5	1.049	1.970	14.0	20.2
12 17	6 52.61	+27 54.7	1.016	1.978	8.4	19.9
12 27	6 41.34	+28 46.2	1.007	1.987	3.3	19.6
1 6	6 29.50	+29 25.4	1.023	1.997	5.4	19.8
1 16	6 19.16	+29 49.2	1.062	2.007	10.8	20.1
1 26	6 12.03	+29 59.2	1.125	2.018	15.8	20.4
2 5	6 8.97	+29 59.0	1.206	2.030	19.9	20.7
259966 2004 FV_{20}		12 30.2 315°.83 2°.7/30.5 17				
11 27	7 2.04	+16 28.1	1.627	2.463	15.1	20.4
12 7	6 57.29	+16 17.4	1.541	2.447	11.4	20.2
12 17	6 49.91	+16 14.6	1.478	2.433	7.2	19.9
12 27	6 40.69	+16 19.6	1.441	2.418	3.3	19.6
1 6	6 30.84	+16 31.4	1.431	2.404	4.3	19.7
1 16	6 21.69	+16 48.9	1.448	2.391	8.7	19.9
1 26	6 14.52	+17 10.6	1.491	2.378	13.0	20.1
2 5	6 10.16	+17 35.0	1.555	2.365	16.8	20.3
458633 2011 FR_{145}		12 30.2 261°.44 5°.2/29.5 18				
11 27	7 7.44	+40 10.1	2.574	3.375	11.2	21.1
12 7	7 0.71	+40 36.1	2.482	3.359	8.9	20.9
12 17	6 51.65	+40 52.3	2.416	3.343	6.7	20.7
12 27	6 41.08	+40 54.3	2.378	3.327	5.2	20.6
1 6	6 30.06	+40 39.6	2.369	3.311	5.8	20.6
1 16	6 19.78	+40 8.4	2.389	3.294	7.9	20.7
1 26	6 11.28	+39 23.4	2.436	3.278	10.4	20.9
2 5	6 5.28	+38 29.1	2.507	3.261	12.8	21.0
232864 2004 TQ_{283}		12 30.2 182°.99 0°.0/29.9 18				
11 27	7 7.22	+22 27.9	2.081	2.902	12.8	21.9
12 7	7 0.52	+22 37.9	2.002	2.903	9.4	21.6
12 17	6 51.52	+22 49.8	1.947	2.904	5.6	21.4
12 27	6 41.05	+23 1.2	1.921	2.903	1.4	21.1
1 6	6 30.17	+23 10.5	1.926	2.902	2.9	21.2
1 16	6 20.04	+23 16.6	1.961	2.900	7.0	21.5
1 26	6 11.71	+23 19.9	2.024	2.898	10.7	21.7
2 5	6 5.86	+23 21.3	2.110	2.894	13.9	21.9
485588 2011 UC_{206}		12 30.2 57°.29 9°.3/ 1.3 17				
11 27	7 2.97	+ 0 14.5	1.614	2.401	17.4	20.9
12 7	6 57.47	− 0 31.8	1.565	2.421	14.4	20.7
12 17	6 49.69	− 0 55.6	1.537	2.441	11.5	20.6
12 27	6 40.57	− 0 53.5	1.533	2.461	9.6	20.5
1 6	6 31.27	− 0 25.5	1.554	2.482	9.5	20.6
1 16	6 22.96	+ 0 25.4	1.601	2.503	11.2	20.7
1 26	6 16.61	+ 1 33.4	1.672	2.524	13.8	20.9
2 5	6 12.82	+ 2 51.8	1.763	2.545	16.3	21.1
380128 1997 WB_{21}		12 30.2 57°.55 0°.2/30.2 16				
11 27	7 48.89	+27 6.9	0.295	1.200	38.7	19.4
12 7	7 30.87	+26 6.8	0.305	1.246	27.4	19.2
12 17	7 7.73	+25 6.0	0.324	1.293	15.3	19.1
12 27	6 44.29	+24 1.2	0.358	1.341	3.5	18.8
1 6	6 25.14	+22 58.5	0.409	1.388	6.9	19.4
1 16	6 12.64	+22 5.9	0.476	1.434	15.5	20.1
1 26	6 7.18	+21 27.4	0.558	1.480	22.0	20.7
2 5	6 7.77	+21 1.5	0.653	1.523	26.9	21.3
129640 1998 KB_1		12 30.2 208°.63 5°.4/31.3 18				
11 27	7 3.53	+ 7 13.0	2.073	2.868	13.7	20.9
12 7	6 57.75	+ 6 58.0	1.990	2.864	10.9	20.7
12 17	6 49.90	+ 6 56.3	1.930	2.859	7.9	20.5
12 27	6 40.66	+ 7 9.2	1.897	2.853	5.7	20.3
1 6	6 31.00	+ 7 36.5	1.894	2.847	5.9	20.3
1 16	6 21.93	+ 8 16.2	1.919	2.841	8.4	20.5
1 26	6 14.41	+ 9 5.6	1.971	2.834	11.5	20.6
2 5	6 9.11	+10 0.9	2.046	2.827	14.4	20.8
174315 2002 TA_{86}		12 30.2 40°.96 1°.4/30.3 17				
11 27	7 4.98	+20 14.1	1.396	2.241	16.6	19.4
12 7	6 59.34	+20 2.8	1.348	2.260	12.2	19.2
12 17	6 50.92	+19 56.3	1.321	2.281	7.3	18.9
12 27	6 40.88	+19 53.4	1.321	2.302	2.3	18.7
1 6	6 30.70	+19 52.7	1.347	2.323	3.8	18.8
1 16	6 21.80	+19 53.6	1.400	2.345	8.6	19.2
1 26	6 15.35	+19 56.2	1.478	2.368	12.9	19.5
2 5	6 11.97	+20 0.1	1.576	2.391	16.5	19.8
202277 2005 BH_{22}		12 30.2 40°.77 0°.7/30.3 18				
11 27	7 4.95	+20 4.0	1.318	2.166	17.2	19.6
12 7	6 59.57	+20 26.3	1.268	2.183	12.6	19.4
12 17	6 51.19	+20 55.3	1.240	2.200	7.4	19.1
12 27	6 40.97	+21 27.7	1.237	2.218	2.0	18.8
1 6	6 30.48	+21 59.7	1.260	2.237	3.8	19.0
1 16	6 21.27	+22 28.8	1.310	2.256	8.9	19.4
1 26	6 14.64	+22 53.9	1.384	2.276	13.5	19.7
2 5	6 11.27	+23 15.2	1.479	2.296	17.2	20.0

22368 1993 PV_3 12 30.2 67°.97 4°.7/31.2 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
11 27	7 1.13	+ 9 2.1	2.071	2.877	13.4	18.3
12 7	6 55.88	+ 8 48.3	2.003	2.885	10.4	18.1
12 17	6 48.71	+ 8 46.4	1.958	2.894	7.4	17.9
12 27	6 40.36	+ 8 57.2	1.941	2.902	5.0	17.8
1 6	6 31.73	+ 9 20.2	1.952	2.910	5.3	17.8
1 16	6 23.79	+ 9 53.5	1.991	2.919	7.8	18.0
1 26	6 17.38	+10 34.6	2.057	2.927	10.8	18.2
2 5	6 13.11	+11 20.5	2.147	2.936	13.5	18.4

337857 2001 VW_{123} 12 30.2 26°.07 2°.4/29.9 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 27	7 5.01	+26 32.9	1.120	1.982	18.6	20.4
12 7	7 0.22	+27 4.2	1.071	1.993	13.7	20.1
12 17	6 51.82	+27 35.1	1.043	2.005	8.2	19.9
12 27	6 41.16	+27 59.8	1.037	2.018	3.0	19.6
1 6	6 30.12	+28 14.0	1.057	2.032	4.9	19.8
1 16	6 20.63	+28 16.6	1.101	2.047	10.3	20.1
1 26	6 14.23	+28 9.9	1.167	2.063	15.1	20.4
2 5	6 11.66	+27 57.3	1.253	2.080	19.1	20.8

307870 2004 BP_{33} 12 30.2 14°.66 0°.4/30.1 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 27	7 4.13	+22 51.8	1.616	2.456	14.9	20.7
12 7	6 58.80	+23 15.3	1.546	2.458	11.0	20.5
12 17	6 50.74	+23 42.1	1.500	2.459	6.5	20.2
12 27	6 40.90	+24 8.8	1.479	2.461	1.6	19.9
1 6	6 30.58	+24 32.5	1.487	2.464	3.5	20.1
1 16	6 21.20	+24 51.1	1.523	2.467	8.2	20.3
1 26	6 13.99	+25 4.6	1.584	2.470	12.5	20.6
2 5	6 9.72	+25 13.9	1.667	2.473	16.1	20.8

137392 1999 TS_{159} 12 30.2 22°.13 5°.4/30.7 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 27	7 4.86	+12 37.8	1.293	2.130	18.1	19.7
12 7	6 59.61	+11 58.5	1.229	2.132	14.0	19.5
12 17	6 51.32	+11 31.9	1.186	2.135	9.4	19.2
12 27	6 41.05	+11 20.1	1.167	2.137	5.8	19.0
1 6	6 30.30	+11 23.5	1.174	2.140	6.5	19.1
1 16	6 20.67	+11 40.8	1.206	2.144	10.6	19.3
1 26	6 13.53	+12 9.4	1.261	2.148	15.0	19.6
2 5	6 9.69	+12 45.4	1.337	2.152	18.8	19.9

461017 2014 WC_{399} 12 30.2 66°.74 2°.4/29.5 17

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 27	7 4.74	+26 51.5	2.097	2.924	12.5	20.9
12 7	6 58.78	+27 58.5	2.033	2.938	9.2	20.7
12 17	6 50.54	+29 5.9	1.996	2.951	5.6	20.5
12 27	6 40.83	+30 8.6	1.987	2.964	2.6	20.3
1 6	6 30.73	+31 2.2	2.008	2.977	3.9	20.4
1 16	6 21.38	+31 44.2	2.059	2.991	7.3	20.7
1 26	6 13.82	+32 14.6	2.137	3.004	10.6	20.9
2 5	6 8.73	+32 35.0	2.239	3.018	13.4	21.1

40115 1998 QB_{19} 12 30.2 72°.72 2°.7/30.9 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 27	7 1.95	+13 39.9	2.087	2.904	12.9	18.3
12 7	6 56.51	+13 55.7	2.019	2.914	9.7	18.1
12 17	6 49.10	+14 20.8	1.976	2.925	6.2	17.9
12 27	6 40.46	+14 54.3	1.961	2.936	3.1	17.7
1 6	6 31.54	+15 34.1	1.976	2.947	3.7	17.8
1 16	6 23.31	+16 17.7	2.019	2.958	6.9	18.0
1 26	6 16.66	+17 2.8	2.091	2.968	10.3	18.2
2 5	6 12.18	+17 47.5	2.186	2.979	13.2	18.4

82364 2001 MW_7 12 30.2 149°.19 0°.5/30.1 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 27	7 8.93	+23 13.9	1.991	2.812	13.3	20.1
12 7	7 1.79	+23 39.0	1.922	2.824	9.8	19.9
12 17	6 52.28	+24 5.8	1.877	2.834	5.7	19.7
12 27	6 41.25	+24 31.2	1.862	2.844	1.5	19.4
1 6	6 29.88	+24 52.5	1.877	2.853	3.1	19.6
1 16	6 19.39	+25 8.2	1.922	2.861	7.2	19.8
1 26	6 10.85	+25 18.8	1.995	2.868	10.9	20.1
2 5	6 4.93	+25 25.3	2.092	2.874	14.0	20.3

52757 1998 MH_4 12 30.2 142°.24 2°.0/30.9 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 27	7 10.06	+12 57.2	1.827	2.634	14.9	19.1
12 7	7 2.82	+14 5.3	1.754	2.645	11.2	18.9
12 17	6 53.00	+15 27.6	1.706	2.656	7.0	18.7
12 27	6 41.46	+17 0.0	1.688	2.666	2.8	18.5
1 6	6 29.40	+18 36.7	1.701	2.675	3.6	18.5
1 16	6 18.12	+20 11.7	1.745	2.683	7.8	18.8
1 26	6 8.82	+21 40.6	1.818	2.691	11.8	19.1
2 5	6 2.28	+23 1.0	1.915	2.698	15.1	19.3

448327 2009 DQ_{110} 12 30.2 197°.51 3°.5/31.3 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 27	7 4.04	+10 20.5	2.179	2.980	13.0	20.7
12 7	6 58.09	+10 44.4	2.094	2.978	10.0	20.5
12 17	6 50.10	+11 20.8	2.034	2.975	6.7	20.3
12 27	6 40.74	+12 8.7	2.003	2.972	3.9	20.1
1 6	6 30.93	+13 6.0	2.002	2.969	4.2	20.1
1 16	6 21.67	+14 9.5	2.031	2.965	7.2	20.3
1 26	6 13.91	+15 15.9	2.089	2.960	10.6	20.5
2 5	6 8.32	+16 22.1	2.171	2.955	13.5	20.7

56584 2000 JQ_{29} 12 30.2 272°.84 2°.2/30.3 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
11 27	7 6.01	+18 50.1	1.552	2.387	15.7	19.4
12 7	7 0.24	+18 25.4	1.474	2.381	11.8	19.1
12 17	6 51.64	+18 5.2	1.418	2.375	7.3	18.9
12 27	6 41.14	+17 49.4	1.389	2.368	2.8	18.6
1 6	6 30.10	+17 37.7	1.387	2.362	4.2	18.7
1 16	6 19.97	+17 30.3	1.413	2.355	8.9	18.9
1 26	6 12.08	+17 27.3	1.464	2.349	13.4	19.2
2 5	6 7.23	+17 28.5	1.536	2.342	17.2	19.4

436806 2012 QK_{51} 12 30.2 146°.04 0°.0/29.9 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 27	7 8.51	+22 8.6	1.897	2.720	13.7	22.4
12 7	7 1.55	+22 25.1	1.828	2.731	10.1	22.1
12 17	6 52.16	+22 44.2	1.784	2.741	6.0	21.9
12 27	6 41.23	+23 3.0	1.768	2.750	1.5	21.6
1 6	6 29.97	+23 19.3	1.783	2.759	3.1	21.8
1 16	6 19.61	+23 31.8	1.827	2.767	7.4	22.1
1 26	6 11.27	+23 40.7	1.898	2.774	11.3	22.3
2 5	6 5.61	+23 47.0	1.993	2.780	14.5	22.5

52560 1997 GL_{14} 12 30.2 169°.55 0°.6/30.1 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 27	7 8.82	+24 23.1	1.810	2.637	14.1	19.8
12 7	7 1.97	+24 30.3	1.736	2.641	10.4	19.6
12 17	6 52.49	+24 37.8	1.686	2.644	6.2	19.3
12 27	6 41.33	+24 42.6	1.665	2.646	1.6	19.0
1 6	6 29.77	+24 42.9	1.673	2.648	3.3	19.2
1 16	6 19.15	+24 38.3	1.710	2.650	7.8	19.4
1 26	6 10.66	+24 29.9	1.773	2.650	11.8	19.7
2 5	6 5.04	+24 19.5	1.860	2.651	15.2	19.9

30130 Jeandillman 12 30.2 305°.82 1°.6/29.9 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 27	7 5.70	+24 11.1	1.406	2.252	16.4	18.6
12 7	7 0.58	+24 55.9	1.326	2.241	12.2	18.3
12 17	6 52.15	+25 45.5	1.269	2.230	7.3	18.0
12 27	6 41.33	+26 34.5	1.238	2.219	2.3	17.7
1 6	6 29.65	+27 17.2	1.233	2.209	4.4	17.8
1 16	6 18.84	+27 50.1	1.255	2.198	9.7	18.0
1 26	6 10.57	+28 12.7	1.301	2.189	14.5	18.3
2 5	6 5.84	+28 26.7	1.368	2.179	18.7	18.5

462958 2011 CT_{110} 12 30.2 332°.21 2°.6/30.0 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 27	7 4.96	+31 8.6	2.069	2.896	12.6	20.9
12 7	6 58.99	+31 11.7	1.990	2.893	9.5	20.7
12 17	6 50.67	+31 9.3	1.936	2.889	5.9	20.5
12 27	6 40.88	+30 58.3	1.910	2.886	2.9	20.3
1 6	6 30.74	+30 37.5	1.913	2.883	3.9	20.4
1 16	6 21.46	+30 7.3	1.945	2.880	7.4	20.6
1 26	6 14.07	+29 30.4	2.004	2.878	10.8	20.8
2 5	6 9.25	+28 50.0	2.086	2.875	13.9	21.0

490270 2008 YH_{36} 12 30.2 321°.88 1°.1/30.2 17

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 27	7 8.97	+28 12.3	1.612	2.447	15.2	20.9
12 7	7 2.35	+27 38.9	1.535	2.443	11.3	20.7
12 17	6 52.81	+26 59.2	1.481	2.439	6.8	20.4
12 27	6 41.42	+26 11.4	1.455	2.436	2.0	20.1
1 6	6 29.66	+25 16.1	1.457	2.432	3.7	20.2
1 16	6 19.06	+24 16.0	1.487	2.429	8.5	20.5
1 26	6 10.90	+23 15.5	1.543	2.426	12.9	20.7
2 5	6 5.93	+22 18.6	1.622	2.424	16.6	21.0

456574 2007 DV_{16} 12 30.2 25°.88 0°.7/30.1 17

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 27	7 3.57	+23 53.2	1.906	2.739	13.3	21.9
12 7	6 58.05	+24 14.0	1.833	2.741	9.8	21.6
12 17	6 50.18	+24 36.5	1.784	2.743	5.8	21.4
12 27	6 40.78	+24 57.8	1.763	2.745	1.5	21.1
1 6	6 30.99	+25 15.3	1.771	2.747	3.1	21.3
1 16	6 21.98	+25 27.9	1.808	2.750	7.3	21.5
1 26	6 14.84	+25 35.5	1.871	2.752	11.1	21.8
2 5	6 10.27	+25 39.4	1.958	2.755	14.4	22.0

228452 2001 QA_{217} 12 30.2 51°.39 1°.8/30.0 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 27	7 9.02	+26 4.9	1.232	2.082	18.0	20.0
12 7	7 2.70	+26 28.1	1.189	2.105	13.2	19.8
12 17	6 53.06	+26 50.3	1.168	2.129	7.8	19.5
12 27	6 41.46	+27 6.7	1.172	2.153	2.5	19.3
1 6	6 29.73	+27 13.9	1.202	2.177	4.4	19.5
1 16	6 19.64	+27 11.8	1.258	2.202	9.5	19.8
1 26	6 12.55	+27 2.7	1.338	2.227	14.1	20.2
2 5	6 9.08	+26 49.7	1.438	2.252	17.8	20.5

354266 2002 QW_{152} 12 30.2 177°.93 0°.4/30.3 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 27	7 5.35	+20 32.9	2.308	3.126	11.8	21.7
12 7	6 58.97	+20 51.7	2.228	3.128	8.7	21.5
12 17	6 50.58	+21 14.1	2.174	3.129	5.2	21.3
12 27	6 40.88	+21 38.0	2.149	3.130	1.4	21.0
1 6	6 30.81	+22 1.4	2.155	3.131	2.7	21.1
1 16	6 21.36	+22 22.7	2.191	3.130	6.4	21.4
1 26	6 13.47	+22 41.5	2.256	3.129	9.8	21.6
2 5	6 7.76	+22 58.0	2.345	3.128	12.7	21.8

138891 2000 YY_{61} 12 30.2 288°.09 1°.7/30.1 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
11 27	7 9.01	+27 42.3	1.382	2.226	16.8	19.5
12 7	7 2.97	+27 37.4	1.305	2.217	12.6	19.3
12 17	6 53.49	+27 28.5	1.250	2.209	7.6	19.0
12 27	6 41.66	+27 11.9	1.220	2.201	2.5	18.6
1 6	6 29.18	+26 45.7	1.217	2.192	4.3	18.7
1 16	6 17.88	+26 10.9	1.241	2.184	9.7	19.0
1 26	6 9.35	+25 31.4	1.289	2.176	14.6	19.3
2 5	6 4.50	+24 51.4	1.357	2.168	18.8	19.5

328500 2009 PR_{13} 12 30.2 155°.72 2°.5/30.6 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 27	7 8.21	+15 58.4	1.792	2.611	14.6	22.5
12 7	7 1.41	+15 55.7	1.722	2.619	11.0	22.3
12 17	6 52.13	+16 0.6	1.675	2.626	6.9	22.0
12 27	6 41.28	+16 12.5	1.656	2.633	3.1	21.8
1 6	6 30.06	+16 29.6	1.666	2.639	4.0	21.9
1 16	6 19.73	+16 50.5	1.706	2.644	8.0	22.1
1 26	6 11.41	+17 14.0	1.773	2.649	11.9	22.4
2 5	6 5.81	+17 38.7	1.862	2.652	15.2	22.6

212479 2006 QU_{78} 12 30.2 92°.50 2°.3/29.9 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 27	7 8.67	+29 0.7	1.965	2.790	13.3	21.0
12 7	7 1.55	+29 23.5	1.911	2.813	9.8	20.8
12 17	6 52.08	+29 42.6	1.882	2.836	6.0	20.6
12 27	6 41.23	+29 54.3	1.882	2.859	2.6	20.4
1 6	6 30.24	+29 56.5	1.911	2.882	3.8	20.6
1 16	6 20.32	+29 49.4	1.969	2.904	7.4	20.8
1 26	6 12.50	+29 34.8	2.055	2.925	10.8	21.1
2 5	6 7.36	+29 15.6	2.164	2.946	13.6	21.3

442260 2011 QH_{6} 12 30.2 70°.37 2°.6/30.3 15

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 27	7 12.51	+31 19.2	1.598	2.427	15.6	21.9
12 7	7 4.61	+31 1.9	1.548	2.452	11.6	21.7
12 17	6 53.89	+30 36.6	1.522	2.476	7.1	21.5
12 27	6 41.65	+30 0.3	1.522	2.500	3.1	21.3
1 6	6 29.47	+29 13.4	1.552	2.524	4.2	21.4
1 16	6 18.83	+28 18.6	1.610	2.548	8.4	21.7
1 26	6 10.88	+27 20.9	1.695	2.572	12.3	22.0
2 5	6 6.15	+26 24.5	1.801	2.596	15.5	22.3

47218 1999 UN_{37} 12 30.2 300°.00 3°.2/29.8 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 27	7 8.21	+28 35.1	1.385	2.230	16.7	19.3
12 7	7 2.48	+29 14.6	1.313	2.225	12.5	19.1
12 17	6 53.26	+29 52.8	1.263	2.220	7.8	18.8
12 27	6 41.63	+30 23.0	1.238	2.215	3.6	18.5
1 6	6 29.26	+30 40.4	1.239	2.211	5.2	18.6
1 16	6 18.03	+30 43.1	1.267	2.207	10.0	18.9
1 26	6 9.57	+30 33.5	1.319	2.202	14.7	19.1
2 5	6 4.84	+30 15.9	1.391	2.198	18.6	19.4

202753 2007 PK_{45} 12 30.2 150°.47 2°.5/29.4 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 27	7 4.07	+30 32.5	2.934	3.747	9.7	20.8
12 7	6 57.81	+31 21.6	2.861	3.755	7.2	20.7
12 17	6 49.81	+32 8.2	2.815	3.763	4.6	20.5
12 27	6 40.70	+32 48.9	2.799	3.771	2.7	20.4
1 6	6 31.26	+33 21.1	2.814	3.778	3.5	20.5
1 16	6 22.35	+33 43.5	2.861	3.784	5.9	20.6
1 26	6 14.74	+33 56.5	2.936	3.790	8.4	20.8
2 5	6 9.02	+34 1.8	3.036	3.796	10.6	21.0

418602 2008 SP_{265} 12 30.2 302°.55 5°.8/29.2 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 27	7 6.52	+39 39.2	2.235	3.046	12.4	20.6
12 7	7 0.33	+40 23.7	2.158	3.040	9.8	20.4
12 17	6 51.59	+40 58.7	2.106	3.035	7.4	20.3
12 27	6 41.17	+41 18.6	2.080	3.029	5.9	20.2
1 6	6 30.27	+41 20.0	2.083	3.024	6.5	20.2
1 16	6 20.21	+41 2.9	2.114	3.019	8.7	20.3
1 26	6 12.17	+40 30.0	2.170	3.014	11.4	20.5
2 5	6 6.88	+39 46.1	2.249	3.009	13.9	20.6

223408 2003 SS_{160} 12 30.2 105°.00 1°.0/30.0 17

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 27	7 3.61	+25 4.6	2.349	3.173	11.4	20.6
12 7	6 57.63	+25 28.0	2.282	3.185	8.4	20.4
12 17	6 49.75	+25 51.5	2.241	3.197	4.9	20.2
12 27	6 40.68	+26 12.6	2.229	3.210	1.5	20.0
1 6	6 31.36	+26 29.2	2.247	3.221	2.8	20.1
1 16	6 22.74	+26 40.3	2.295	3.233	6.2	20.3
1 26	6 15.70	+26 46.4	2.372	3.245	9.4	20.6
2 5	6 10.79	+26 48.5	2.472	3.256	12.1	20.8

67522 2000 RB_{79} 12 30.2 169°.94 1°.3/30.4 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 27	7 9.71	+18 32.3	2.010	2.824	13.5	20.9
12 7	7 2.35	+18 40.8	1.933	2.830	10.0	20.7
12 17	6 52.64	+18 54.4	1.882	2.835	6.1	20.5
12 27	6 41.41	+19 11.4	1.860	2.840	2.0	20.3
1 6	6 29.79	+19 29.7	1.868	2.843	3.2	20.3
1 16	6 18.97	+19 48.0	1.907	2.845	7.3	20.6
1 26	6 10.03	+20 5.7	1.974	2.846	11.1	20.8
2 5	6 3.65	+20 22.7	2.065	2.845	14.3	21.1

57775 2001 VS_{51} 12 30.2 210°.50 0°.6/30.2 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
11 27	7 8.36	+25 21.4	1.723	2.554	14.6	19.2
12 7	7 1.82	+25 14.4	1.644	2.551	10.8	19.0
12 17	6 52.51	+25 5.9	1.590	2.548	6.4	18.7
12 27	6 41.41	+24 53.6	1.563	2.544	1.7	18.4
1 6	6 29.84	+24 36.2	1.565	2.541	3.4	18.5
1 16	6 19.25	+24 14.2	1.595	2.536	8.1	18.8
1 26	6 10.87	+23 49.6	1.652	2.532	12.4	19.0
2 5	6 5.48	+23 24.9	1.731	2.527	16.0	19.3

112239 2002 LX_{1} 12 30.2 101°.61 2°.0/30.5 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 27	7 10.21	+17 58.0	1.622	2.446	15.7	20.7
12 7	7 2.84	+17 53.6	1.570	2.471	11.6	20.6
12 17	6 52.89	+17 55.3	1.541	2.495	7.0	20.3
12 27	6 41.45	+18 1.9	1.540	2.519	2.6	20.1
1 6	6 29.87	+18 11.7	1.567	2.542	3.8	20.3
1 16	6 19.51	+18 23.5	1.624	2.564	8.2	20.6
1 26	6 11.46	+18 36.8	1.707	2.585	12.1	20.9
2 5	6 6.34	+18 51.0	1.812	2.606	15.5	21.1

189916 2003 SD_{141} 12 30.2 42°.81 0°.3/30.2 17

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 27	7 3.57	+23 21.1	1.998	2.829	12.9	19.4
12 7	6 57.81	+23 2.9	1.930	2.837	9.5	19.2
12 17	6 49.91	+22 44.8	1.887	2.845	5.6	19.0
12 27	6 40.73	+22 25.8	1.872	2.854	1.4	18.7
1 6	6 31.33	+22 5.7	1.886	2.862	2.9	18.9
1 16	6 22.79	+21 45.0	1.930	2.872	6.9	19.1
1 26	6 16.05	+21 24.8	2.000	2.881	10.5	19.4
2 5	6 11.69	+21 6.2	2.094	2.890	13.6	19.6

432602 2010 TH_{78} 12 30.2 54°.33 4°.8/30.8 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 27	7 6.46	+13 37.4	1.198	2.040	19.0	21.1
12 7	7 0.91	+13 10.2	1.142	2.049	14.5	20.9
12 17	6 52.14	+12 56.3	1.107	2.059	9.5	20.6
12 27	6 41.33	+12 56.8	1.095	2.069	5.3	20.4
1 6	6 30.12	+13 10.8	1.109	2.079	6.1	20.5
1 16	6 20.23	+13 36.0	1.148	2.089	10.5	20.8
1 26	6 13.06	+14 9.4	1.210	2.100	15.2	21.1
2 5	6 9.39	+14 47.5	1.291	2.111	19.1	21.3

326541 2002 PX_{11} 12 30.2 138°.29 4°.1/31.0 17

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 27	7 0.72	+ 9 28.5	2.537	3.335	11.5	21.4
12 7	6 55.32	+ 9 9.0	2.464	3.342	8.9	21.3
12 17	6 48.32	+ 8 58.7	2.415	3.348	6.3	21.1
12 27	6 40.35	+ 8 58.5	2.394	3.354	4.3	21.0
1 6	6 32.14	+ 9 8.1	2.403	3.360	4.6	21.0
1 16	6 24.48	+ 9 26.6	2.442	3.366	6.8	21.2
1 26	6 18.08	+ 9 52.5	2.509	3.371	9.4	21.4
2 5	6 13.46	+10 23.6	2.600	3.376	11.8	21.5

49790 1999 XF_{20} 12 30.2 317°.96 0°.5/30.3 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 27	7 3.73	+20 48.4	1.223	2.078	17.8	18.2
12 7	6 59.48	+21 3.0	1.142	2.061	13.3	17.8
12 17	6 51.70	+21 25.1	1.082	2.043	8.0	17.5
12 27	6 41.32	+21 51.8	1.045	2.027	2.1	17.1
1 6	6 29.94	+22 19.3	1.033	2.011	4.2	17.2
1 16	6 19.45	+22 44.8	1.047	1.995	10.3	17.5
1 26	6 11.65	+23 7.0	1.083	1.981	15.8	17.7
2 5	6 7.64	+23 26.0	1.138	1.967	20.5	18.0

323538 2004 RA_{257} 12 30.2 36°.21 0°.4/30.3 17

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 27	7 3.08	+21 47.1	1.918	2.751	13.3	20.7
12 7	6 57.61	+21 50.2	1.848	2.755	9.8	20.5
12 17	6 49.90	+21 55.8	1.801	2.759	5.8	20.2
12 27	6 40.76	+22 2.3	1.782	2.764	1.5	20.0
1 6	6 31.30	+22 8.1	1.792	2.768	3.0	20.1
1 16	6 22.64	+22 12.6	1.831	2.773	7.2	20.4
1 26	6 15.80	+22 15.7	1.896	2.778	10.9	20.6
2 5	6 11.42	+22 18.0	1.984	2.784	14.1	20.8

436821 2012 RO_{27} 12 30.2 118°.96 1°.4/30.4 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 27	7 8.26	+18 41.8	1.801	2.623	14.4	21.8
12 7	7 1.36	+18 48.7	1.739	2.641	10.7	21.6
12 17	6 52.06	+19 1.1	1.702	2.657	6.4	21.4
12 27	6 41.28	+19 17.1	1.693	2.674	2.1	21.1
1 6	6 30.26	+19 34.7	1.714	2.689	3.4	21.2
1 16	6 20.23	+19 52.4	1.764	2.704	7.6	21.5
1 26	6 12.26	+20 9.8	1.841	2.719	11.4	21.8
2 5	6 6.98	+20 26.4	1.941	2.732	14.7	22.0

397346 2006 UR_{44} 12 30.2 99°.39 3°.5/30.7 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 27	7 5.12	+13 26.3	2.099	2.908	13.1	21.7
12 7	6 58.66	+13 1.7	2.041	2.931	9.9	21.5
12 17	6 50.30	+12 44.9	2.008	2.952	6.5	21.4
12 27	6 40.83	+12 36.5	2.003	2.974	3.8	21.2
1 6	6 31.24	+12 36.2	2.029	2.994	4.3	21.3
1 16	6 22.48	+12 43.2	2.083	3.015	7.2	21.5
1 26	6 15.40	+12 56.4	2.166	3.035	10.3	21.7
2 5	6 10.53	+13 14.1	2.271	3.054	13.1	22.0

54397 2000 KC_{80} 12 30.2 316°.23 3°.5/30.7 18 R

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
11 27	7 3.15	+14 52.5	1.362	2.203	17.1	18.3
12 7	6 58.59	+14 46.6	1.282	2.190	13.1	18.0
12 17	6 50.94	+14 52.5	1.222	2.177	8.4	17.7
12 27	6 41.11	+15 10.3	1.188	2.164	4.1	17.4
1 6	6 30.49	+15 38.5	1.179	2.152	5.1	17.4
1 16	6 20.70	+16 14.4	1.196	2.140	9.9	17.7
1 26	6 13.23	+16 55.4	1.237	2.129	14.7	17.9
2 5	6 9.06	+17 38.4	1.297	2.118	18.9	18.2

424759 2008 TF_{59} 12 30.2 359°.50 5°.4/30.9 16

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 27	6 59.10	+ 9 47.0	1.765	2.587	14.7	20.8
12 7	6 54.79	+ 9 12.4	1.693	2.584	11.5	20.6
12 17	6 48.29	+ 8 50.0	1.644	2.583	8.2	20.4
12 27	6 40.38	+ 8 41.7	1.620	2.582	5.7	20.3
1 6	6 32.11	+ 8 48.2	1.623	2.582	6.1	20.3
1 16	6 24.56	+ 9 8.2	1.653	2.583	8.9	20.5
1 26	6 18.72	+ 9 39.3	1.708	2.585	12.2	20.7
2 5	6 15.27	+10 18.1	1.785	2.588	15.3	20.9

16376 1981 EX_{10} 12 30.2 237°.40 3°.2/30.7 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 27	7 3.06	+13 31.9	2.339	3.147	12.0	19.9
12 7	6 57.32	+13 14.2	2.245	3.134	9.2	19.7
12 17	6 49.67	+13 3.4	2.177	3.121	6.1	19.4
12 27	6 40.73	+13 0.0	2.137	3.107	3.5	19.2
1 6	6 31.36	+13 3.9	2.127	3.093	4.0	19.3
1 16	6 22.48	+13 14.5	2.146	3.078	7.0	19.4
1 26	6 14.99	+13 30.7	2.194	3.063	10.2	19.6
2 5	6 9.52	+13 51.3	2.266	3.047	13.1	19.8

43107 1999 XG_{26} 12 30.2 322°.19 4°.2/30.3 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 27	7 3.65	+15 18.9	1.542	2.376	15.8	17.5
12 7	6 58.51	+14 28.3	1.463	2.366	12.1	17.2
12 17	6 50.67	+13 44.0	1.406	2.357	8.0	17.0
12 27	6 41.00	+13 8.3	1.375	2.347	4.6	16.7
1 6	6 30.80	+12 42.8	1.371	2.339	5.5	16.8
1 16	6 21.45	+12 28.4	1.393	2.330	9.5	17.0
1 26	6 14.21	+12 24.7	1.441	2.323	13.7	17.2
2 5	6 9.89	+12 30.3	1.509	2.315	17.4	17.4

311652 2006 RR_{70} 12 30.2 343°.88 2°.1/29.9 17

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 27	7 3.58	+27 25.1	1.471	2.319	15.7	20.7
12 7	6 58.82	+27 41.9	1.396	2.311	11.7	20.5
12 17	6 50.99	+27 57.2	1.344	2.303	7.1	20.2
12 27	6 41.10	+28 6.7	1.317	2.297	2.7	19.9
1 6	6 30.60	+28 7.7	1.316	2.291	4.3	20.0
1 16	6 21.11	+27 59.2	1.342	2.286	9.1	20.2
1 26	6 14.04	+27 43.3	1.393	2.282	13.6	20.5
2 5	6 10.27	+27 22.8	1.464	2.279	17.5	20.7

489484 2007 EJ_{219} 12 30.2 260°.18 4°.3/30.8 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 27	7 1.46	+10 20.9	2.314	3.117	12.2	22.0
12 7	6 56.16	+ 9 53.8	2.221	3.103	9.6	21.8
12 17	6 48.99	+ 9 35.5	2.153	3.089	6.7	21.6
12 27	6 40.56	+ 9 27.4	2.112	3.074	4.6	21.5
1 6	6 31.72	+ 9 29.9	2.101	3.059	5.0	21.5
1 16	6 23.35	+ 9 42.5	2.119	3.045	7.5	21.6
1 26	6 16.33	+10 3.8	2.164	3.029	10.5	21.8
2 5	6 11.28	+10 31.7	2.233	3.014	13.3	21.9

394219 2006 SM_{284} 12 30.2 126°.76 0°.1/30.2 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 27	7 6.05	+20 59.3	2.142	2.962	12.5	21.0
12 7	6 59.60	+21 44.1	2.073	2.975	9.2	20.8
12 17	6 51.01	+22 33.1	2.031	2.987	5.4	20.6
12 27	6 41.05	+23 23.0	2.017	2.999	1.3	20.3
1 6	6 30.74	+24 10.4	2.035	3.011	2.8	20.4
1 16	6 21.15	+24 52.7	2.083	3.022	6.7	20.7
1 26	6 13.26	+25 29.0	2.159	3.032	10.2	20.9
2 5	6 7.73	+25 59.4	2.259	3.043	13.1	21.2

520750 2014 RD_{66} 12 30.2 107°.18 1°.7/29.8 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 27	7 4.66	+27 34.5	2.647	3.464	10.5	22.0
12 7	6 58.23	+28 10.4	2.586	3.485	7.7	21.8
12 17	6 50.05	+28 44.7	2.552	3.506	4.7	21.7
12 27	6 40.80	+29 14.5	2.548	3.526	2.0	21.5
1 6	6 31.35	+29 37.5	2.575	3.546	3.0	21.6
1 16	6 22.58	+29 52.9	2.633	3.565	5.9	21.8
1 26	6 15.27	+30 1.2	2.720	3.585	8.7	22.0
2 5	6 9.95	+30 3.7	2.831	3.603	11.0	22.2

65047 2002 AE_{149} 12 30.2 92°.47 0°.2/30.3 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 27	7 11.11	+20 39.3	1.352	2.189	17.5	19.4
12 7	7 4.08	+21 8.9	1.301	2.210	12.8	19.1
12 17	6 53.90	+21 44.4	1.272	2.231	7.5	18.9
12 27	6 41.77	+22 21.5	1.270	2.252	1.9	18.6
1 6	6 29.38	+22 55.7	1.295	2.272	3.8	18.8
1 16	6 18.40	+23 24.7	1.348	2.291	9.1	19.2
1 26	6 10.19	+23 48.1	1.426	2.311	13.6	19.5
2 5	6 5.44	+24 6.9	1.524	2.329	17.4	19.8

301735 2010 GJ_{144} 12 30.2 131°.55 0°.4/30.3 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
11 27	7 6.40	+21 22.4	1.998	2.821	13.1	21.9
12 7	6 59.92	+21 31.8	1.930	2.833	9.7	21.7
12 17	6 51.21	+21 44.1	1.887	2.843	5.7	21.5
12 27	6 41.11	+21 57.2	1.872	2.854	1.5	21.2
1 6	6 30.73	+22 9.2	1.887	2.863	2.9	21.4
1 16	6 21.18	+22 19.1	1.932	2.873	7.0	21.6
1 26	6 13.48	+22 27.0	2.005	2.882	10.7	21.9
2 5	6 8.25	+22 33.4	2.100	2.890	13.8	22.1

226119 2002 PN_{182} 12 30.2 36°.10 5°.1/29.7 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 27	7 8.75	+31 48.9	1.154	2.007	18.7	19.7
12 7	7 3.19	+32 36.7	1.104	2.018	14.1	19.4
12 17	6 53.73	+33 17.8	1.074	2.029	9.2	19.2
12 27	6 41.79	+33 44.0	1.068	2.042	5.3	19.0
1 6	6 29.42	+33 50.2	1.087	2.054	6.7	19.1
1 16	6 18.75	+33 36.4	1.130	2.068	11.2	19.4
1 26	6 11.43	+33 7.7	1.196	2.082	15.6	19.7
2 5	6 8.23	+32 30.4	1.281	2.097	19.4	20.0

493050 2014 SX_{266} 12 30.2 97°.76 0°.8/30.3 17

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 27	7 4.40	+21 37.5	2.233	3.055	12.0	20.7
12 7	6 58.18	+21 16.5	2.166	3.068	8.8	20.5
12 17	6 50.07	+20 56.5	2.124	3.080	5.2	20.3
12 27	6 40.82	+20 37.2	2.111	3.092	1.5	20.1
1 6	6 31.40	+20 18.3	2.128	3.104	2.8	20.2
1 16	6 22.77	+20 0.3	2.176	3.116	6.4	20.4
1 26	6 15.78	+19 43.8	2.251	3.127	9.7	20.7
2 5	6 10.95	+19 29.5	2.351	3.139	12.5	20.9

454328 2014 KX_{56} 12 30.2 49°.13 1°.4/29.8 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 27	7 6.63	+21 45.4	1.629	2.464	15.1	20.5
12 7	7 0.77	+23 10.8	1.562	2.471	11.1	20.2
12 17	6 52.06	+24 43.8	1.519	2.478	6.5	20.0
12 27	6 41.39	+26 17.7	1.504	2.485	2.0	19.7
1 6	6 30.10	+27 45.2	1.519	2.493	3.9	19.9
1 16	6 19.66	+29 1.0	1.562	2.501	8.5	20.1
1 26	6 11.42	+30 2.8	1.632	2.509	12.7	20.4
2 5	6 6.25	+30 51.6	1.723	2.517	16.1	20.7

293724 2007 RJ_{15} 12 30.2 117°.08 1°.6/30.5 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 27	7 6.62	+17 36.9	2.116	2.931	12.8	22.2
12 7	6 59.85	+17 42.7	2.055	2.952	9.5	22.0
12 17	6 51.07	+17 53.9	2.019	2.971	5.8	21.8
12 27	6 41.08	+18 9.1	2.012	2.991	2.2	21.6
1 6	6 30.89	+18 26.8	2.035	3.009	3.1	21.7
1 16	6 21.55	+18 45.5	2.089	3.027	6.7	22.0
1 26	6 13.93	+19 4.6	2.170	3.044	10.1	22.3
2 5	6 8.61	+19 23.5	2.276	3.061	13.0	22.5

134117 2004 YS_{5} 12 30.2 336°.77 10°.8/25.7 17

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 27	7 13.32	+49 31.6	2.034	2.814	14.5	19.2
12 7	7 6.75	+51 46.0	1.971	2.808	12.6	19.1
12 17	6 56.20	+53 46.0	1.931	2.803	11.2	19.0
12 27	6 42.55	+55 20.2	1.917	2.799	10.8	18.9
1 6	6 27.51	+56 20.9	1.929	2.794	11.5	19.0
1 16	6 13.26	+56 45.7	1.965	2.790	13.1	19.1
1 26	6 1.90	+56 39.0	2.022	2.787	15.0	19.2
2 5	5 54.74	+56 8.9	2.098	2.783	16.9	19.3

475023 2005 UY_{17} 12 30.2 33°.94 1°.2/30.3 16

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 27	7 5.47	+20 45.8	1.098	1.957	19.1	21.0
12 7	7 0.36	+20 38.5	1.053	1.973	14.1	20.8
12 17	6 51.86	+20 36.9	1.028	1.990	8.3	20.5
12 27	6 41.31	+20 39.0	1.027	2.008	2.4	20.2
1 6	6 30.54	+20 42.7	1.050	2.028	4.3	20.4
1 16	6 21.34	+20 47.2	1.099	2.048	9.9	20.8
1 26	6 15.11	+20 52.3	1.170	2.069	14.8	21.1
2 5	6 12.51	+20 57.9	1.260	2.090	18.9	21.5

45369 2000 AM_{110} 12 30.2 108°.24 1°.7/30.4 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 27	7 9.11	+18 40.4	1.633	2.460	15.4	19.2
12 7	7 2.16	+18 38.6	1.575	2.478	11.4	19.0
12 17	6 52.61	+18 42.4	1.541	2.497	6.9	18.7
12 27	6 41.48	+18 50.4	1.534	2.514	2.4	18.5
1 6	6 30.13	+19 0.8	1.556	2.531	3.7	18.6
1 16	6 19.90	+19 12.4	1.607	2.548	8.1	18.9
1 26	6 11.94	+19 24.8	1.684	2.564	12.2	19.2
2 5	6 6.89	+19 37.7	1.783	2.579	15.6	19.5

234751 2002 ND_{70} 12 30.2 144°.35 3°.9/31.1 17

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 27	7 0.70	+ 9 51.8	2.408	3.210	11.9	21.0
12 7	6 55.45	+ 9 44.8	2.332	3.213	9.2	20.8
12 17	6 48.49	+ 9 47.7	2.280	3.216	6.4	20.6
12 27	6 40.47	+10 1.0	2.256	3.219	4.2	20.5
1 6	6 32.16	+10 24.1	2.261	3.222	4.5	20.5
1 16	6 24.39	+10 55.4	2.296	3.224	6.9	20.7
1 26	6 17.94	+11 33.0	2.359	3.227	9.7	20.8
2 5	6 13.35	+12 14.3	2.446	3.229	12.2	21.0

83799 2001 TU_{216} 12 30.2 210°.75 2°.2/30.4 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
11 27	7 4.81	+17 42.3	2.249	3.064	12.1	20.2
12 7	6 58.62	+17 15.1	2.163	3.059	9.1	20.0
12 17	6 50.43	+16 51.4	2.102	3.053	5.7	19.8
12 27	6 40.96	+16 31.4	2.070	3.047	2.6	19.6
1 6	6 31.13	+16 15.1	2.069	3.041	3.4	19.6
1 16	6 21.94	+16 3.0	2.098	3.034	6.9	19.8
1 26	6 14.29	+15 55.1	2.155	3.027	10.3	20.0
2 5	6 8.81	+15 51.2	2.235	3.019	13.2	20.2

62331 2000 ST_{126} 12 30.2 321°.45 1°.2/30.0 17

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 27	7 4.13	+25 27.4	1.964	2.796	13.0	19.4
12 7	6 58.50	+25 46.7	1.888	2.794	9.6	19.1
12 17	6 50.52	+26 6.3	1.835	2.793	5.7	18.9
12 27	6 41.00	+26 23.0	1.810	2.791	1.8	18.6
1 6	6 31.05	+26 34.6	1.815	2.790	3.2	18.7
1 16	6 21.87	+26 40.0	1.848	2.788	7.3	19.0
1 26	6 14.52	+26 39.8	1.908	2.787	11.0	19.2
2 5	6 9.73	+26 35.7	1.991	2.786	14.2	19.4

247625 2002 UT_{2} 12 30.2 68°.14 1°.1/30.3 17

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 27	7 9.30	+29 21.0	2.243	3.059	12.1	19.8
12 7	7 1.60	+28 41.8	2.184	3.082	8.9	19.6
12 17	6 51.95	+27 56.9	2.151	3.106	5.3	19.5
12 27	6 41.27	+27 5.7	2.148	3.129	1.7	19.3
1 6	6 30.65	+26 9.1	2.177	3.152	2.9	19.4
1 16	6 21.10	+25 9.5	2.237	3.175	6.4	19.6
1 26	6 13.46	+24 10.1	2.326	3.198	9.6	19.9
2 5	6 8.20	+23 13.6	2.440	3.220	12.3	20.1

145988 2000 BC_{4} 12 30.2 63°.21 1°.8/30.5 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 27	7 7.02	+17 46.1	1.324	2.165	17.5	19.4
12 7	7 1.17	+18 1.8	1.269	2.180	13.0	19.2
12 17	6 52.25	+18 26.9	1.237	2.194	7.9	18.9
12 27	6 41.43	+18 58.5	1.229	2.209	2.7	18.7
1 6	6 30.25	+19 33.3	1.248	2.225	4.1	18.8
1 16	6 20.34	+20 8.3	1.294	2.240	9.2	19.1
1 26	6 13.03	+20 41.5	1.365	2.255	13.8	19.4
2 5	6 9.04	+21 12.2	1.456	2.271	17.6	19.7

503625 2016 GO_{135} 12 30.2 27°.03 22°.2/ 9.3 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 27	7 3.01	−19 31.8	0.994	1.730	29.1	20.4
12 7	6 58.88	−20 57.0	0.953	1.735	27.0	20.2
12 17	6 51.21	−21 28.6	0.923	1.741	24.9	20.1
12 27	6 41.21	−20 54.5	0.905	1.749	23.2	20.0
1 6	6 30.68	−19 11.0	0.903	1.757	22.3	20.0
1 16	6 21.50	−16 24.4	0.917	1.766	22.5	20.0
1 26	6 15.27	−12 50.6	0.948	1.776	23.7	20.1
2 5	6 12.86	− 8 51.3	0.996	1.786	25.5	20.3

319997 2007 DE_{27} 12 30.2 83°.58 4°.5/29.7 17

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 27	7 7.40	+35 14.0	2.053	2.873	13.0	20.4
12 7	7 0.88	+35 48.6	1.989	2.883	9.9	20.2
12 17	6 51.87	+36 15.4	1.950	2.893	6.8	20.1
12 27	6 41.32	+36 29.6	1.939	2.903	4.6	20.0
1 6	6 30.47	+36 28.5	1.956	2.914	5.4	20.0
1 16	6 20.61	+36 12.4	2.002	2.924	8.1	20.2
1 26	6 12.84	+35 44.1	2.074	2.934	11.2	20.4
2 5	6 7.83	+35 7.9	2.169	2.944	13.9	20.6

439063 2011 HD_{74} 12 30.2 173°.54 0°.2/30.2 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 27	7 7.64	+22 15.7	2.106	2.926	12.7	22.1
12 7	7 0.89	+22 41.1	2.029	2.930	9.4	21.9
12 17	6 51.85	+23 9.2	1.976	2.933	5.5	21.7
12 27	6 41.33	+23 37.3	1.953	2.935	1.4	21.4
1 6	6 30.39	+24 2.6	1.960	2.936	2.9	21.5
1 16	6 20.18	+24 23.5	1.998	2.937	7.0	21.8
1 26	6 11.73	+24 39.8	2.064	2.937	10.6	22.0
2 5	6 5.75	+24 52.3	2.153	2.936	13.7	22.2

480878 2001 WF_{42} 12 30.2 88°.49 6°.0/30.9 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 27	7 3.61	+ 7 46.7	1.974	2.774	14.2	21.2
12 7	6 57.73	+ 6 54.4	1.913	2.788	11.2	21.0
12 17	6 49.87	+ 6 14.1	1.875	2.802	8.3	20.9
12 27	6 40.81	+ 5 48.4	1.864	2.815	6.2	20.8
1 6	6 31.55	+ 5 38.3	1.881	2.829	6.5	20.8
1 16	6 23.09	+ 5 43.2	1.926	2.842	8.8	21.0
1 26	6 16.31	+ 6 1.1	1.998	2.856	11.6	21.2
2 5	6 11.77	+ 6 28.7	2.091	2.869	14.2	21.4

153519 2001 SD_{17} 12 30.2 97°.35 1°.4/30.4 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 27	7 8.88	+18 49.2	1.665	2.491	15.2	21.0
12 7	7 1.92	+18 53.7	1.611	2.513	11.2	20.8
12 17	6 52.43	+19 3.9	1.580	2.536	6.7	20.6
12 27	6 41.44	+19 17.7	1.577	2.557	2.2	20.4
1 6	6 30.28	+19 33.2	1.603	2.579	3.5	20.5
1 16	6 20.25	+19 49.1	1.658	2.599	7.9	20.8
1 26	6 12.44	+20 4.6	1.740	2.620	11.9	21.1
2 5	6 7.49	+20 19.8	1.843	2.639	15.2	21.4

419137 2009 SV_{265} 12 30.2 355°.59 5°.1/30.6 17

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
11 27	7 0.51	+11 54.6	1.704	2.530	14.9	20.5
12 7	6 55.92	+11 7.1	1.630	2.526	11.6	20.3
12 17	6 49.02	+10 29.4	1.580	2.523	8.1	20.1
12 27	6 40.64	+10 3.7	1.555	2.521	5.4	19.9
1 6	6 31.87	+ 9 51.3	1.558	2.520	5.9	19.9
1 16	6 23.87	+ 9 52.2	1.587	2.519	9.0	20.1
1 26	6 17.70	+10 4.8	1.642	2.519	12.6	20.3
2 5	6 14.03	+10 26.4	1.717	2.520	15.8	20.5

20209 1997 FE_{5} 12 30.2 220°.23 1°.0/30.0 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 27	7 3.78	+25 27.3	2.279	3.104	11.7	19.4
12 7	6 57.99	+25 45.7	2.196	3.100	8.6	19.2
12 17	6 50.13	+26 4.0	2.139	3.096	5.1	18.9
12 27	6 40.91	+26 19.8	2.111	3.092	1.6	18.7
1 6	6 31.30	+26 31.0	2.113	3.088	2.9	18.8
1 16	6 22.32	+26 36.8	2.145	3.083	6.6	19.0
1 26	6 14.93	+26 37.5	2.204	3.079	10.0	19.2
2 5	6 9.77	+26 34.4	2.288	3.074	12.9	19.4

164269 2004 WS_{8} 12 30.2 104°.76 3°.4/29.9 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 27	7 16.35	+30 34.2	1.536	2.361	16.3	20.3
12 7	7 7.71	+31 2.2	1.488	2.389	12.1	20.1
12 17	6 55.92	+31 23.9	1.463	2.415	7.5	19.9
12 27	6 42.30	+31 33.6	1.465	2.441	3.7	19.7
1 6	6 28.60	+31 28.4	1.496	2.465	4.9	19.9
1 16	6 16.52	+31 9.4	1.556	2.489	9.1	20.1
1 26	6 7.34	+30 40.8	1.641	2.512	13.0	20.4
2 5	6 1.71	+30 7.6	1.749	2.534	16.3	20.7

238981 2006 BZ_{205} 12 30.2 281°.74 1°.5/30.4 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 27	7 5.13	+19 12.7	1.637	2.471	15.1	21.5
12 7	6 59.74	+19 13.1	1.548	2.455	11.3	21.2
12 17	6 51.53	+19 19.2	1.481	2.438	6.9	20.9
12 27	6 41.32	+19 29.9	1.440	2.421	2.3	20.6
1 6	6 30.38	+19 43.2	1.428	2.404	3.7	20.6
1 16	6 20.13	+19 57.7	1.444	2.387	8.6	20.9
1 26	6 11.93	+20 12.7	1.484	2.370	13.2	21.1
2 5	6 6.71	+20 28.0	1.547	2.353	17.1	21.3

269185 2008 GZ_{37} 12 30.2 168°.94 1°.1/30.1 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 27	7 9.30	+24 51.1	1.930	2.753	13.6	21.8
12 7	7 2.30	+25 15.8	1.856	2.758	10.0	21.6
12 17	6 52.76	+25 41.1	1.806	2.762	5.9	21.4
12 27	6 41.57	+26 3.4	1.785	2.766	1.7	21.1
1 6	6 29.96	+26 20.0	1.793	2.768	3.3	21.2
1 16	6 19.20	+26 29.5	1.832	2.770	7.5	21.5
1 26	6 10.46	+26 32.8	1.898	2.771	11.4	21.7
2 5	6 4.47	+26 31.7	1.987	2.772	14.6	21.9

299595 2006 HF_{35} 12 30.2 111°.61 2°.3/29.8 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 27	7 9.14	+28 37.6	2.149	2.967	12.5	21.6
12 7	7 1.84	+29 14.9	2.091	2.990	9.2	21.4
12 17	6 52.31	+29 49.4	2.060	3.013	5.7	21.2
12 27	6 41.42	+30 17.1	2.058	3.034	2.6	21.1
1 6	6 30.33	+30 35.2	2.086	3.055	3.7	21.2
1 16	6 20.18	+30 43.0	2.144	3.076	7.1	21.4
1 26	6 11.95	+30 42.0	2.230	3.095	10.3	21.7
2 5	6 6.26	+30 34.6	2.340	3.114	13.0	21.9

385668 2005 ST_{130} 12 30.2 41°.50 0°.9/30.3 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 27	7 6.24	+20 37.6	1.193	2.046	18.3	20.4
12 7	7 0.79	+20 41.6	1.145	2.062	13.5	20.1
12 17	6 52.09	+20 51.6	1.117	2.078	8.0	19.9
12 27	6 41.40	+21 4.7	1.114	2.096	2.2	19.6
1 6	6 30.45	+21 18.4	1.137	2.114	4.0	19.8
1 16	6 20.95	+21 31.1	1.185	2.132	9.5	20.1
1 26	6 14.28	+21 42.5	1.256	2.151	14.3	20.5
2 5	6 11.12	+21 52.7	1.347	2.171	18.2	20.8

150386 2000 DP_{64} 12 30.2 224°.28 3°.5/29.9 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 27	7 10.02	+31 9.3	1.650	2.481	15.1	20.2
12 7	7 3.40	+31 30.9	1.573	2.477	11.4	20.0
12 17	6 53.65	+31 47.0	1.519	2.472	7.3	19.7
12 27	6 41.83	+31 52.5	1.492	2.467	3.8	19.5
1 6	6 29.44	+31 44.0	1.493	2.462	5.0	19.5
1 16	6 18.11	+31 21.8	1.522	2.457	9.1	19.8
1 26	6 9.28	+30 49.0	1.576	2.451	13.2	20.0
2 5	6 3.80	+30 10.6	1.652	2.445	16.8	20.2

125010 2001 TD_{166} 12 30.2 25°.66 0°.2/30.2 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 27	7 6.64	+24 29.2	1.330	2.178	17.0	19.1
12 7	7 1.04	+24 15.9	1.268	2.183	12.6	18.9
12 17	6 52.26	+24 2.2	1.227	2.188	7.4	18.6
12 27	6 41.46	+23 46.0	1.212	2.194	1.9	18.2
1 6	6 30.28	+23 26.3	1.223	2.200	3.9	18.4
1 16	6 20.40	+23 3.9	1.260	2.207	9.2	18.7
1 26	6 13.19	+22 41.0	1.322	2.214	14.0	19.0
2 5	6 9.43	+22 19.5	1.404	2.222	17.9	19.3

327563 2006 DG_6 12 30.2 235°.06 1°.9/30.8 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
11 27	7 1.78	+15 24.4	2.348	3.163	11.7	20.2
12 7	6 56.42	+15 44.9	2.262	3.158	8.8	20.0
12 17	6 49.18	+16 13.0	2.202	3.153	5.5	19.8
12 27	6 40.69	+16 47.7	2.170	3.147	2.4	19.5
1 6	6 31.80	+17 26.8	2.169	3.142	3.1	19.6
1 16	6 23.42	+18 8.4	2.198	3.137	6.4	19.8
1 26	6 16.40	+18 50.4	2.255	3.131	9.7	20.0
2 5	6 11.39	+19 31.4	2.336	3.126	12.6	20.2

173523 2000 VG_{48} 12 30.2 64°.20 0°.7/30.2 18

11 27	7 11.73	+24 0.9	1.176	2.024	18.8	19.8
12 7	7 4.74	+24 12.1	1.136	2.051	13.8	19.6
12 17	6 54.32	+24 24.4	1.117	2.077	8.1	19.4
12 27	6 41.93	+24 33.9	1.122	2.104	2.0	19.1
1 6	6 29.49	+24 37.6	1.154	2.130	4.1	19.3
1 16	6 18.82	+24 35.4	1.212	2.157	9.6	19.7
1 26	6 11.30	+24 29.2	1.293	2.184	14.4	20.1
2 5	6 7.52	+24 21.1	1.395	2.210	18.2	20.4

15021 Alexkardon 12 30.2 22°.49 2°.2/29.9 18

11 27	7 4.99	+26 5.3	1.085	1.949	18.9	17.9
12 7	7 0.41	+26 36.7	1.034	1.957	14.0	17.6
12 17	6 52.13	+27 8.6	1.003	1.966	8.4	17.4
12 27	6 41.46	+27 35.2	0.995	1.976	2.9	17.1
1 6	6 30.34	+27 51.7	1.012	1.988	4.9	17.2
1 16	6 20.75	+27 56.8	1.053	2.000	10.5	17.6
1 26	6 14.32	+27 52.5	1.116	2.014	15.5	17.9
2 5	6 11.81	+27 42.1	1.198	2.029	19.6	18.2

460773 2014 WR_{10} 12 30.2 106°.71 0°.5/30.3 17

11 27	7 2.93	+21 14.4	2.310	3.133	11.6	21.9
12 7	6 57.16	+21 15.5	2.239	3.142	8.5	21.7
12 17	6 49.54	+21 18.9	2.194	3.150	5.1	21.5
12 27	6 40.76	+21 23.3	2.178	3.159	1.4	21.3
1 6	6 31.75	+21 27.6	2.192	3.168	2.6	21.4
1 16	6 23.41	+21 31.1	2.236	3.176	6.2	21.6
1 26	6 16.61	+21 33.8	2.307	3.184	9.5	21.9
2 5	6 11.88	+21 36.2	2.403	3.193	12.2	22.1

149815 2005 MG_{34} 12 30.2 102°.22 2°.0/30.6 18

11 27	7 7.78	+16 53.5	1.564	2.392	15.9	20.3
12 7	7 1.37	+17 5.1	1.504	2.407	11.9	20.1
12 17	6 52.26	+17 25.4	1.467	2.422	7.3	19.9
12 27	6 41.46	+17 52.2	1.457	2.436	2.8	19.6
1 6	6 30.34	+18 23.0	1.475	2.450	3.9	19.7
1 16	6 20.28	+18 55.2	1.521	2.464	8.4	20.0
1 26	6 12.50	+19 27.2	1.594	2.477	12.6	20.3
2 5	6 7.69	+19 57.9	1.688	2.490	16.1	20.6

60435 2000 CH_{65} 12 30.2 74°.82 6°.0/30.1 18

11 27	7 13.12	+38 56.3	1.732	2.547	15.2	19.3
12 7	7 5.34	+39 20.8	1.680	2.568	11.8	19.1
12 17	6 54.53	+39 31.8	1.652	2.588	8.4	18.9
12 27	6 41.99	+39 23.7	1.651	2.608	6.2	18.8
1 6	6 29.37	+38 54.5	1.677	2.628	6.7	18.9
1 16	6 18.29	+38 6.4	1.731	2.649	9.5	19.1
1 26	6 9.98	+37 5.3	1.810	2.668	12.6	19.4
2 5	6 5.04	+35 58.0	1.912	2.688	15.4	19.6

272655 2005 WD_{171} 12 30.2 303°.17 0°.8/30.4 18

11 27	7 4.71	+20 24.1	1.462	2.305	16.1	20.8
12 7	6 59.71	+20 32.3	1.379	2.291	12.0	20.5
12 17	6 51.65	+20 46.5	1.317	2.276	7.3	20.2
12 27	6 41.40	+21 4.5	1.281	2.262	2.0	19.9
1 6	6 30.36	+21 23.7	1.271	2.248	3.8	19.9
1 16	6 20.13	+21 42.0	1.289	2.234	9.1	20.2
1 26	6 12.20	+21 58.7	1.331	2.221	14.0	20.5
2 5	6 7.53	+22 13.9	1.393	2.208	18.2	20.7

118145 4142 $T\text{-}_3$ 12 30.2 13°.33 3°.2/29.6 18

11 27	7 5.49	+27 4.0	1.317	2.168	17.0	19.0
12 7	7 0.54	+28 4.5	1.254	2.170	12.6	18.7
12 17	6 52.19	+29 6.3	1.214	2.173	7.8	18.5
12 27	6 41.52	+30 2.2	1.198	2.177	3.5	18.2
1 6	6 30.20	+30 45.9	1.209	2.181	5.3	18.3
1 16	6 20.06	+31 14.1	1.245	2.186	10.0	18.6
1 26	6 12.67	+31 27.8	1.305	2.191	14.6	18.9
2 5	6 8.93	+31 30.4	1.385	2.198	18.4	19.2

342062 2008 SK_{17} 12 30.2 112°.10 3°.0/30.6 18

11 27	7 6.25	+15 42.1	1.631	2.458	15.5	21.3
12 7	7 0.20	+15 30.0	1.565	2.466	11.6	21.0
12 17	6 51.57	+15 26.3	1.521	2.473	7.4	20.8
12 27	6 41.31	+15 30.7	1.505	2.481	3.5	20.6
1 6	6 30.69	+15 42.2	1.516	2.488	4.4	20.7
1 16	6 21.04	+15 59.2	1.556	2.496	8.5	20.9
1 26	6 13.50	+16 20.4	1.621	2.503	12.5	21.2
2 5	6 8.77	+16 44.3	1.708	2.509	16.0	21.4

140532 2001 TJ_{180} 12 30.2 147°.81 2°.4/30.5 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
11 27	7 4.42	+17 4.5	2.115	2.934	12.7	20.0
12 7	6 58.37	+16 38.1	2.041	2.938	9.5	19.8
12 17	6 50.31	+16 16.1	1.991	2.942	6.0	19.6
12 27	6 40.98	+15 59.0	1.970	2.946	2.8	19.4
1 6	6 31.38	+15 46.8	1.979	2.950	3.6	19.5
1 16	6 22.52	+15 39.4	2.017	2.954	7.1	19.7
1 26	6 15.29	+15 36.8	2.083	2.957	10.5	19.9
2 5	6 10.30	+15 38.3	2.172	2.960	13.4	20.1

436901 2012 TB_{68} 12 30.2 159°.34 2°.3/29.8 18

11 27	7 9.86	+28 27.7	2.069	2.889	12.9	22.2
12 7	7 2.62	+29 2.1	1.997	2.897	9.6	22.0
12 17	6 52.93	+29 34.3	1.951	2.904	5.9	21.8
12 27	6 41.65	+29 59.8	1.933	2.910	2.6	21.6
1 6	6 29.98	+30 15.8	1.946	2.916	3.8	21.7
1 16	6 19.18	+30 21.3	1.989	2.921	7.5	22.0
1 26	6 10.36	+30 17.7	2.059	2.925	10.9	22.2
2 5	6 4.22	+30 7.6	2.153	2.929	13.9	22.4

57040 2001 DH_{106} 12 30.2 183°.01 3°.9/30.9 18

11 27	7 6.90	+12 33.4	1.805	2.618	14.8	20.4
12 7	7 0.56	+12 24.7	1.728	2.619	11.3	20.2
12 17	6 51.78	+12 26.7	1.674	2.619	7.5	20.0
12 27	6 41.39	+12 39.5	1.648	2.619	4.3	19.8
1 6	6 30.54	+13 2.0	1.651	2.618	4.8	19.8
1 16	6 20.46	+13 32.5	1.682	2.616	8.4	20.0
1 26	6 12.27	+14 8.5	1.740	2.614	12.2	20.2
2 5	6 6.71	+14 47.8	1.820	2.611	15.5	20.4

492382 2014 HQ_{140} 12 30.2 41°.44 1°.2/30.4 18

11 27	7 5.04	+19 43.6	1.544	2.382	15.6	21.1
12 7	6 59.52	+19 45.7	1.478	2.387	11.6	20.8
12 17	6 51.27	+19 53.4	1.434	2.392	6.9	20.6
12 27	6 41.26	+20 4.8	1.417	2.398	2.1	20.3
1 6	6 30.85	+20 18.0	1.427	2.404	3.6	20.4
1 16	6 21.43	+20 31.6	1.465	2.410	8.4	20.7
1 26	6 14.24	+20 45.0	1.528	2.416	12.7	21.0
2 5	6 10.02	+20 57.9	1.613	2.422	16.4	21.2

356132 2009 FS_{55} 12 30.2 217°.92 5°.7/28.9 17

11 27	7 10.25	+39 25.1	2.400	3.201	11.9	21.6
12 7	7 3.11	+40 22.0	2.316	3.192	9.5	21.5
12 17	6 53.35	+41 10.5	2.257	3.183	7.1	21.3
12 27	6 41.80	+41 44.6	2.226	3.173	5.7	21.2
1 6	6 29.64	+42 0.2	2.225	3.163	6.4	21.2
1 16	6 18.19	+41 56.5	2.253	3.151	8.6	21.3
1 26	6 8.67	+41 35.8	2.307	3.140	11.2	21.5
2 5	6 1.90	+41 2.8	2.384	3.127	13.6	21.6

23024 1999 WM_7 12 30.2 91°.50 0°.9/30.1 18

11 27	7 4.34	+25 3.1	2.192	3.017	12.1	19.2
12 7	6 58.32	+25 21.6	2.127	3.031	8.8	19.0
12 17	6 50.28	+25 40.2	2.088	3.045	5.2	18.8
12 27	6 40.99	+25 56.1	2.077	3.058	1.5	18.6
1 6	6 31.45	+26 7.6	2.096	3.071	2.9	18.7
1 16	6 22.70	+26 13.9	2.145	3.085	6.5	19.0
1 26	6 15.64	+26 15.4	2.222	3.098	9.8	19.2
2 5	6 10.85	+26 13.5	2.323	3.110	12.7	19.4

389441 2010 CK_{102} 12 30.2 234°.69 0°.8/30.1 18

11 27	7 7.23	+24 24.5	1.861	2.689	13.8	22.1
12 7	7 1.02	+24 41.4	1.774	2.680	10.2	21.8
12 17	6 52.18	+24 59.4	1.712	2.670	6.1	21.6
12 27	6 41.52	+25 15.4	1.678	2.659	1.7	21.3
1 6	6 30.27	+25 26.8	1.673	2.649	3.3	21.4
1 16	6 19.76	+25 32.4	1.697	2.637	7.8	21.6
1 26	6 11.22	+25 32.8	1.748	2.626	11.9	21.8
2 5	6 5.48	+25 29.6	1.821	2.614	15.4	22.0

63857 2001 RZ_{91} 12 30.2 56°.05 2°.9/30.8 18

11 27	7 3.18	+14 51.9	1.806	2.631	14.3	19.5
12 7	6 57.78	+14 47.6	1.737	2.637	10.8	19.3
12 17	6 50.10	+14 52.1	1.692	2.643	6.9	19.1
12 27	6 40.97	+15 5.0	1.674	2.649	3.4	18.9
1 6	6 31.50	+15 25.1	1.684	2.655	4.1	18.9
1 16	6 22.83	+15 50.6	1.722	2.662	7.8	19.2
1 26	6 15.99	+16 19.7	1.787	2.668	11.5	19.4
2 5	6 11.64	+16 50.5	1.874	2.675	14.8	19.6

127037 2002 GB_{35} 12 30.2 15°.46 12°.2/28.5 18

11 27	7 9.70	+44 30.1	1.158	1.994	19.8	17.6
12 7	7 4.92	+46 20.1	1.113	1.999	16.6	17.4
12 17	6 55.31	+47 50.3	1.087	2.006	13.7	17.3
12 27	6 42.37	+48 46.5	1.082	2.013	12.2	17.2
1 6	6 28.65	+49 0.3	1.099	2.022	13.0	17.3
1 16	6 16.92	+48 32.7	1.138	2.032	15.4	17.5
1 26	6 9.33	+47 32.8	1.196	2.044	18.4	17.7
2 5	6 6.75	+46 13.0	1.271	2.056	21.3	17.9

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
390968 2005 QX_{120}		12 30.2 24°.97 5°.3/31.0 18				
	h m	° ′			°	m
11 27	7 2.56	+12 51.2	1.050	1.905	20.1	20.2
12 7	6 58.33	+12 26.6	1.003	1.916	15.4	20.0
12 17	6 50.79	+12 18.4	0.975	1.928	10.2	19.7
12 27	6 41.17	+12 27.8	0.969	1.942	5.9	19.5
1 6	6 31.21	+12 53.2	0.987	1.957	6.5	19.6
1 16	6 22.66	+13 31.1	1.028	1.974	10.9	19.9
1 26	6 16.94	+14 16.9	1.091	1.991	15.6	20.2
2 5	6 14.76	+15 6.1	1.174	2.009	19.6	20.6
518469 2005 LH_{8}		12 30.2 212°.70 1°.1/29.9 18				
11 27	7 5.97	+25 48.4	3.252	4.057	9.0	24.9
12 7	6 59.16	+26 20.8	3.152	4.046	6.7	24.7
12 17	6 50.70	+26 53.3	3.080	4.033	4.0	24.5
12 27	6 41.13	+27 23.4	3.040	4.020	1.4	24.3
1 6	6 31.16	+27 49.0	3.033	4.006	2.4	24.4
1 16	6 21.54	+28 8.9	3.059	3.990	5.2	24.6
1 26	6 13.03	+28 23.0	3.115	3.974	7.8	24.7
2 5	6 6.18	+28 32.2	3.197	3.957	10.1	24.9
14906 1993 NJ_{1}		12 30.2 144°.46 1°.0/30.4 18				
11 27	7 7.68	+19 25.8	1.896	2.718	13.8	19.9
12 7	7 1.02	+19 36.6	1.827	2.728	10.2	19.6
12 17	6 51.99	+19 52.2	1.782	2.737	6.1	19.4
12 27	6 41.46	+20 10.7	1.765	2.746	1.9	19.2
1 6	6 30.59	+20 29.9	1.778	2.754	3.1	19.3
1 16	6 20.58	+20 48.3	1.821	2.761	7.4	19.5
1 26	6 12.50	+21 5.5	1.891	2.768	11.2	19.8
2 5	6 7.03	+21 21.4	1.984	2.775	14.4	20.0
179135 2001 SL_{301}		12 30.2 350°.75 7°.0/31.2 18				
11 27	7 0.57	+ 7 27.8	1.547	2.367	16.5	19.7
12 7	6 56.22	+ 6 46.1	1.475	2.362	13.2	19.5
12 17	6 49.36	+ 6 20.0	1.424	2.358	9.8	19.3
12 27	6 40.84	+ 6 12.8	1.398	2.354	7.3	19.1
1 6	6 31.84	+ 6 25.4	1.397	2.351	7.5	19.1
1 16	6 23.62	+ 6 56.2	1.422	2.349	10.3	19.3
1 26	6 17.36	+ 7 41.7	1.471	2.347	13.9	19.5
2 5	6 13.79	+ 8 36.9	1.541	2.347	17.2	19.7
97671 2000 FT_{46}		12 30.2 184°.63 1°.3/29.9 18				
11 27	7 5.78	+25 43.8	2.469	3.287	11.1	20.3
12 7	6 59.37	+26 17.5	2.387	3.287	8.2	20.1
12 17	6 50.95	+26 51.4	2.331	3.286	4.9	19.9
12 27	6 41.21	+27 22.5	2.306	3.286	1.7	19.7
1 6	6 31.07	+27 48.2	2.311	3.284	2.9	19.8
1 16	6 21.52	+28 7.1	2.347	3.282	6.3	20.0
1 26	6 13.47	+28 19.2	2.411	3.279	9.5	20.2
2 5	6 7.56	+28 25.9	2.500	3.276	12.2	20.4
434619 2005 UT_{528}		12 30.2 90°.47 0°.6/30.4 18				
11 27	7 8.32	+19 27.8	1.551	2.384	15.8	21.0
12 7	7 1.84	+19 59.6	1.495	2.401	11.7	20.8
12 17	6 52.59	+20 38.1	1.461	2.419	6.9	20.6
12 27	6 41.62	+21 19.8	1.455	2.436	1.9	20.3
1 6	6 30.32	+22 0.6	1.477	2.454	3.5	20.4
1 16	6 20.14	+22 37.8	1.527	2.470	8.3	20.8
1 26	6 12.30	+23 10.2	1.604	2.487	12.5	21.0
2 5	6 7.51	+23 37.9	1.702	2.503	16.0	21.3
78925 2003 SC_{112}		12 30.2 107°.78 2°.0/30.6 18				
11 27	7 9.74	+16 45.6	1.529	2.355	16.3	19.8
12 7	7 2.84	+17 1.8	1.472	2.374	12.2	19.5
12 17	6 53.15	+17 27.0	1.438	2.393	7.4	19.3
12 27	6 41.75	+17 58.7	1.431	2.411	2.8	19.1
1 6	6 30.06	+18 34.0	1.453	2.428	3.9	19.2
1 16	6 19.53	+19 9.9	1.503	2.445	8.5	19.5
1 26	6 11.37	+19 44.7	1.579	2.461	12.7	19.8
2 5	6 6.29	+20 17.6	1.677	2.476	16.3	20.1
47334 1999 XX_{32}		12 30.3 78°.86 1°.6/30.3 18				
11 27	7 10.02	+29 6.7	1.739	2.568	14.6	17.3
12 7	7 2.85	+28 43.7	1.676	2.580	10.8	17.1
12 17	6 53.05	+28 14.7	1.637	2.593	6.5	16.8
12 27	6 41.72	+27 37.8	1.626	2.606	2.2	16.6
1 6	6 30.26	+26 53.2	1.644	2.618	3.6	16.7
1 16	6 20.03	+26 3.2	1.691	2.631	7.9	17.0
1 26	6 12.15	+25 11.3	1.765	2.644	11.8	17.3
2 5	6 7.22	+24 21.1	1.861	2.656	15.1	17.5
10442 Biezenzo		12 30.3 352°.74 4°.7/31.2 18				
11 27	7 0.05	+ 8 18.9	2.303	3.103	12.4	17.9
12 7	6 55.11	+ 8 1.5	2.225	3.102	9.8	17.7
12 17	6 48.41	+ 7 55.2	2.171	3.102	7.0	17.6
12 27	6 40.59	+ 8 1.1	2.144	3.101	5.0	17.4
1 6	6 32.47	+ 8 18.9	2.146	3.101	5.2	17.4
1 16	6 24.88	+ 8 47.5	2.177	3.101	7.4	17.6
1 26	6 18.64	+ 9 24.5	2.235	3.101	10.2	17.8
2 5	6 14.30	+10 7.2	2.316	3.101	12.8	17.9

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
233078 2005 NF_{63}		12 30.3 77°.42 1°.1/30.4 16				
	h m	° ′			°	m
11 27	7 17.82	+30 1.9	1.437	2.264	17.1	19.9
12 7	7 8.70	+28 55.5	1.381	2.284	12.7	19.6
12 17	6 56.44	+27 38.7	1.348	2.304	7.6	19.4
12 27	6 42.53	+26 11.4	1.343	2.324	2.2	19.1
1 6	6 28.78	+24 37.0	1.368	2.344	3.8	19.3
1 16	6 16.88	+23 1.7	1.422	2.363	8.9	19.6
1 26	6 8.04	+21 32.3	1.503	2.383	13.4	19.9
2 5	6 2.78	+20 13.2	1.606	2.402	17.0	20.2
129722 1998 VK_{19}		12 30.3 95°.88 3°.5/30.9 17				
11 27	7 1.73	+12 28.4	2.273	3.083	12.2	20.0
12 7	6 56.29	+12 11.3	2.203	3.092	9.3	19.8
12 17	6 49.06	+12 2.4	2.159	3.101	6.3	19.6
12 27	6 40.75	+12 2.2	2.142	3.111	3.8	19.5
1 6	6 32.20	+12 10.3	2.155	3.120	4.2	19.5
1 16	6 24.29	+12 25.7	2.197	3.129	6.9	19.7
1 26	6 17.82	+12 47.0	2.266	3.138	9.9	19.9
2 5	6 13.33	+13 12.3	2.360	3.147	12.5	20.1
330823 2008 WM_{97}		12 30.3 69°.70 3°.6/29.1 17				
11 27	7 5.82	+30 41.3	2.227	3.049	12.0	20.4
12 7	6 59.68	+31 58.5	2.164	3.063	9.0	20.2
12 17	6 51.26	+33 13.3	2.128	3.077	5.9	20.0
12 27	6 41.34	+34 20.0	2.121	3.090	3.7	19.9
1 6	6 30.98	+35 14.2	2.144	3.104	4.7	20.0
1 16	6 21.34	+35 53.6	2.196	3.118	7.6	20.2
1 26	6 13.45	+36 18.8	2.276	3.131	10.5	20.4
2 5	6 8.03	+36 32.1	2.379	3.145	13.0	20.6
402116 2004 CT_{2}		12 30.3 306°.72 3°.7/30.2 17				
11 27	7 8.67	+33 26.6	1.720	2.549	14.7	20.5
12 7	7 2.37	+33 25.4	1.637	2.539	11.2	20.3
12 17	6 53.08	+33 15.2	1.577	2.528	7.3	20.0
12 27	6 41.82	+32 51.7	1.544	2.518	4.0	19.8
1 6	6 30.06	+32 13.2	1.540	2.508	5.0	19.9
1 16	6 19.36	+31 21.2	1.563	2.498	8.8	20.1
1 26	6 11.06	+30 20.4	1.612	2.489	12.8	20.3
2 5	6 5.98	+29 16.1	1.683	2.480	16.4	20.5
471552 2012 LT_{25}		12 30.3 33°.77 4°.4/31.3 16				
11 27	7 21.94	+38 46.1	1.005	1.845	21.9	19.4
12 7	7 12.36	+37 11.1	0.965	1.870	16.6	19.2
12 17	6 58.60	+35 10.9	0.944	1.896	10.7	18.9
12 27	6 42.99	+32 45.3	0.949	1.924	5.3	18.7
1 6	6 28.25	+30 3.2	0.980	1.953	5.8	18.9
1 16	6 16.51	+27 19.3	1.038	1.983	10.9	19.2
1 26	6 9.01	+24 47.5	1.120	2.013	15.8	19.6
2 5	6 5.92	+22 35.9	1.223	2.045	19.8	20.0
362256 2009 MT_{1}		12 30.3 224°.79 3°.0/30.6 17				
11 27	7 4.17	+15 0.8	2.187	3.000	12.5	21.9
12 7	6 58.29	+14 35.3	2.099	2.992	9.5	21.7
12 17	6 50.37	+14 15.6	2.037	2.984	6.2	21.5
12 27	6 41.13	+14 2.3	2.003	2.976	3.3	21.3
1 6	6 31.48	+13 55.6	1.998	2.967	4.0	21.3
1 16	6 22.42	+13 55.2	2.024	2.958	7.2	21.5
1 26	6 14.88	+14 0.6	2.077	2.948	10.6	21.7
2 5	6 9.52	+14 10.8	2.153	2.938	13.6	21.9
482341 2011 VP_{16}		12 30.3 99°.74 2°.8/30.4 17				
11 27	7 5.95	+17 15.3	1.864	2.687	14.0	21.4
12 7	6 59.68	+16 36.4	1.797	2.696	10.5	21.2
12 17	6 51.18	+16 2.1	1.754	2.705	6.6	21.0
12 27	6 41.31	+15 33.1	1.738	2.714	3.2	20.8
1 6	6 31.20	+15 10.2	1.752	2.723	4.1	20.9
1 16	6 21.99	+14 53.8	1.795	2.732	7.8	21.1
1 26	6 14.67	+14 44.0	1.865	2.741	11.4	21.3
2 5	6 9.86	+14 40.1	1.957	2.749	14.5	21.6
198060 2004 RH_{320}		12 30.3 73°.04 4°.6/30.6 18				
11 27	7 6.79	+13 36.6	1.531	2.356	16.4	20.3
12 7	7 0.57	+12 51.9	1.475	2.373	12.5	20.1
12 17	6 51.79	+12 17.0	1.443	2.389	8.3	19.9
12 27	6 41.48	+11 53.6	1.436	2.406	5.0	19.7
1 6	6 30.96	+11 42.4	1.457	2.423	5.6	19.8
1 16	6 21.58	+11 42.7	1.505	2.439	9.2	20.0
1 26	6 14.42	+11 53.1	1.578	2.456	13.0	20.3
2 5	6 10.13	+12 11.0	1.672	2.472	16.3	20.6
405434 2004 TT_{21}		12 30.3 93°.08 8°.9/31.8 18				
11 27	7 1.31	− 2 39.2	2.186	2.941	14.4	21.0
12 7	6 56.04	− 3 40.2	2.121	2.948	12.3	20.8
12 17	6 48.96	− 4 23.1	2.079	2.956	10.3	20.7
12 27	6 40.77	− 4 44.4	2.061	2.963	9.1	20.6
1 6	6 32.33	− 4 42.4	2.070	2.971	9.1	20.7
1 16	6 24.50	− 4 18.2	2.104	2.978	10.4	20.7
1 26	6 18.12	− 3 35.0	2.164	2.985	12.3	20.9
2 5	6 13.72	− 2 37.8	2.245	2.992	14.3	21.0

63480 2001 OD_{42} 12 30.3 199°.64 0°.7/30.2 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
11 27	7 9.09	+25 28.4	1.746	2.576	14.5	19.9
12 7	7 2.43	+25 23.9	1.668	2.574	10.7	19.6
12 17	6 53.02	+25 18.0	1.614	2.571	6.4	19.4
12 27	6 41.83	+25 8.1	1.587	2.569	1.7	19.1
1 6	6 30.17	+24 52.9	1.590	2.566	3.4	19.2
1 16	6 19.47	+24 32.8	1.621	2.562	8.0	19.5
1 26	6 10.97	+24 9.6	1.679	2.558	12.3	19.7
2 5	6 5.44	+23 45.8	1.759	2.554	15.8	19.9

24651 1986 QU 12 30.3 103°.97 1°.5/30.0 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 27	7 4.18	+27 15.1	2.408	3.230	11.2	19.1
12 7	6 58.13	+27 34.4	2.341	3.243	8.3	19.0
12 17	6 50.18	+27 52.0	2.300	3.256	5.0	18.8
12 27	6 41.07	+28 5.5	2.289	3.268	1.9	18.6
1 6	6 31.73	+28 12.9	2.307	3.280	3.0	18.7
1 16	6 23.11	+28 14.0	2.356	3.292	6.2	18.9
1 26	6 16.05	+28 9.4	2.433	3.304	9.3	19.1
2 5	6 11.13	+28 0.7	2.534	3.316	11.9	19.3

367413 2008 RW_{28} 12 30.3 153°.83 0°.2/30.3 17

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 27	7 2.77	+21 49.8	2.893	3.706	9.8	22.7
12 7	6 56.81	+21 55.8	2.817	3.715	7.2	22.5
12 17	6 49.30	+22 3.2	2.767	3.722	4.2	22.3
12 27	6 40.86	+22 10.8	2.748	3.730	1.1	22.1
1 6	6 32.19	+22 17.5	2.761	3.736	2.2	22.2
1 16	6 24.06	+22 22.7	2.804	3.743	5.2	22.4
1 26	6 17.15	+22 26.5	2.877	3.749	8.0	22.6
2 5	6 11.95	+22 29.2	2.976	3.754	10.4	22.8

214331 2005 JA_{77} 12 30.3 249°.40 6°.8/31.1 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 27	7 2.83	+ 5 7.8	2.008	2.800	14.3	20.7
12 7	6 57.46	+ 4 25.2	1.924	2.790	11.6	20.5
12 17	6 49.97	+ 3 56.3	1.862	2.781	8.9	20.3
12 27	6 41.07	+ 3 44.0	1.826	2.770	7.0	20.1
1 6	6 31.70	+ 3 49.5	1.818	2.760	7.2	20.1
1 16	6 22.91	+ 4 12.2	1.838	2.750	9.4	20.2
1 26	6 15.66	+ 4 49.3	1.883	2.739	12.3	20.4
2 5	6 10.65	+ 5 37.2	1.951	2.728	15.1	20.6

272972 2006 DY_{3} 12 30.3 311°.77 6°.7/31.6 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 27	7 0.13	+ 4 20.3	1.976	2.770	14.4	20.2
12 7	6 55.57	+ 3 56.5	1.887	2.755	11.7	20.0
12 17	6 48.90	+ 3 48.6	1.821	2.740	9.0	19.8
12 27	6 40.81	+ 3 58.8	1.780	2.726	7.0	19.6
1 6	6 32.21	+ 4 27.8	1.766	2.711	7.1	19.6
1 16	6 24.12	+ 5 13.9	1.780	2.697	9.3	19.7
1 26	6 17.52	+ 6 13.6	1.819	2.684	12.3	19.9
2 5	6 13.13	+ 7 22.2	1.881	2.670	15.2	20.0

335392 2005 TF_{5} 12 30.3 99°.44 2°.2/30.5 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 27	7 8.53	+18 31.1	1.583	2.412	15.7	21.3
12 7	7 1.89	+18 10.5	1.523	2.427	11.7	21.1
12 17	6 52.59	+17 55.1	1.487	2.442	7.2	20.8
12 27	6 41.70	+17 44.5	1.478	2.457	2.8	20.6
1 6	6 30.56	+17 38.0	1.497	2.471	4.0	20.7
1 16	6 20.56	+17 35.5	1.544	2.485	8.4	21.0
1 26	6 12.84	+17 36.6	1.617	2.498	12.5	21.3
2 5	6 8.07	+17 41.1	1.711	2.512	16.0	21.5

239150 2006 JK_{58} 12 30.3 201°.61 0°.6/30.2 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 27	7 7.67	+25 13.7	2.104	2.926	12.6	21.1
12 7	7 1.01	+25 12.5	2.020	2.922	9.4	20.9
12 17	6 52.05	+25 10.3	1.962	2.918	5.6	20.6
12 27	6 41.59	+25 5.0	1.932	2.913	1.5	20.4
1 6	6 30.72	+24 55.1	1.933	2.908	3.0	20.5
1 16	6 20.61	+24 40.8	1.963	2.903	7.0	20.7
1 26	6 12.30	+24 23.3	2.022	2.896	10.7	20.9
2 5	6 6.49	+24 4.5	2.104	2.890	13.9	21.1

13453 6538 $P–L$ 12 30.3 9°.58 0°.4/30.3 17

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 27	7 1.24	+21 19.4	1.615	2.459	14.7	17.3
12 7	6 56.73	+21 29.9	1.549	2.462	10.9	17.1
12 17	6 49.69	+21 44.6	1.506	2.466	6.5	16.8
12 27	6 41.01	+22 1.4	1.488	2.470	1.7	16.5
1 6	6 31.94	+22 18.0	1.499	2.476	3.3	16.7
1 16	6 23.76	+22 33.0	1.536	2.482	7.9	17.0
1 26	6 17.62	+22 45.7	1.599	2.489	12.1	17.2
2 5	6 14.24	+22 56.4	1.683	2.498	15.6	17.5

217567 2007 TS_{81} 12 30.3 77°.10 0°.0/30.2 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 27	7 6.81	+21 41.6	1.686	2.519	14.8	20.8
12 7	7 0.59	+22 1.1	1.629	2.537	10.8	20.6
12 17	6 51.83	+22 24.0	1.596	2.554	6.4	20.3
12 27	6 41.52	+22 47.5	1.590	2.572	1.6	20.1
1 6	6 30.95	+23 8.9	1.613	2.590	3.2	20.2
1 16	6 21.43	+23 26.5	1.665	2.608	7.7	20.5
1 26	6 14.07	+23 40.4	1.742	2.625	11.7	20.8
2 5	6 9.51	+23 51.2	1.842	2.642	15.0	21.1

383523 2007 DE_{2} 12 30.3 308°.41 1°.2/30.0 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
11 27	7 5.45	+22 45.8	1.361	2.209	16.7	20.4
12 7	7 0.67	+23 33.4	1.279	2.194	12.5	20.1
12 17	6 52.50	+24 28.4	1.218	2.179	7.5	19.8
12 27	6 41.82	+25 25.6	1.183	2.165	2.1	19.4
1 6	6 30.14	+26 18.9	1.174	2.151	4.3	19.5
1 16	6 19.26	+27 3.6	1.192	2.137	9.8	19.8
1 26	6 10.90	+27 38.2	1.233	2.124	14.9	20.0
2 5	6 6.16	+28 3.6	1.295	2.111	19.3	20.3

183365 2002 WK_{20} 12 30.3 129°.18 3°.1/29.8 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 27	7 11.83	+29 22.6	1.814	2.637	14.3	20.6
12 7	7 4.36	+30 9.1	1.752	2.653	10.6	20.4
12 17	6 54.12	+30 52.5	1.715	2.668	6.6	20.2
12 27	6 42.11	+31 27.2	1.707	2.682	3.3	20.0
1 6	6 29.75	+31 49.3	1.728	2.696	4.5	20.1
1 16	6 18.47	+31 57.7	1.778	2.709	8.3	20.4
1 26	6 9.51	+31 54.6	1.854	2.721	11.9	20.6
2 5	6 3.60	+31 43.5	1.954	2.733	15.0	20.9

190987 2001 XG_{203} 12 30.3 18°.88 1°.9/30.7 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 27	7 4.76	+16 55.0	1.399	2.239	16.8	20.0
12 7	6 59.66	+17 17.0	1.332	2.242	12.6	19.7
12 17	6 51.59	+17 49.9	1.287	2.244	7.7	19.5
12 27	6 41.52	+18 31.3	1.267	2.247	2.8	19.2
1 6	6 30.90	+19 17.2	1.274	2.250	4.0	19.3
1 16	6 21.26	+20 4.2	1.308	2.254	9.0	19.6
1 26	6 13.98	+20 49.3	1.366	2.258	13.7	19.8
2 5	6 9.91	+21 31.1	1.446	2.262	17.6	20.1

119135 2001 PZ_{9} 12 30.3 125°.33 3°.2/29.9 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 27	7 11.56	+30 44.8	1.732	2.558	14.7	20.6
12 7	7 4.24	+31 9.2	1.669	2.570	11.0	20.3
12 17	6 54.06	+31 28.3	1.630	2.583	6.9	20.1
12 27	6 42.09	+31 37.2	1.619	2.594	3.5	20.0
1 6	6 29.82	+31 33.2	1.636	2.605	4.6	20.0
1 16	6 18.75	+31 16.6	1.683	2.616	8.5	20.3
1 26	6 10.11	+30 50.4	1.755	2.626	12.3	20.6
2 5	6 4.63	+30 18.9	1.850	2.636	15.5	20.8

139195 2001 FT_{158} 12 30.3 19°.80 1°.4/30.0 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 27	7 4.72	+23 26.7	1.046	1.911	19.3	18.6
12 7	7 0.42	+24 9.6	0.994	1.917	14.3	18.3
12 17	6 52.33	+24 58.0	0.961	1.924	8.5	18.0
12 27	6 41.73	+25 45.5	0.950	1.932	2.4	17.7
1 6	6 30.55	+26 25.8	0.964	1.941	4.7	17.9
1 16	6 20.83	+26 55.6	1.003	1.952	10.6	18.2
1 26	6 14.28	+27 14.8	1.063	1.963	15.8	18.6
2 5	6 11.74	+27 25.5	1.141	1.976	20.1	18.9

275062 2009 UY_{119} 12 30.3 307°.51 1°.2/30.1 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 27	7 6.94	+24 35.2	1.389	2.234	16.6	20.9
12 7	7 1.56	+24 56.8	1.314	2.227	12.4	20.7
12 17	6 52.87	+25 20.4	1.260	2.220	7.4	20.4
12 27	6 41.88	+25 42.0	1.232	2.214	2.1	20.0
1 6	6 30.17	+25 57.6	1.231	2.207	4.1	20.1
1 16	6 19.48	+26 5.5	1.257	2.201	9.5	20.4
1 26	6 11.37	+26 6.7	1.306	2.195	14.3	20.7
2 5	6 6.79	+26 3.2	1.376	2.190	18.4	20.9

260089 2004 KO_{17} 12 30.3 182°.60 2°.2/30.8 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 27	7 3.40	+14 56.7	2.285	3.097	12.1	20.8
12 7	6 57.67	+15 10.9	2.204	3.098	9.1	20.6
12 17	6 50.02	+15 32.8	2.148	3.098	5.8	20.4
12 27	6 41.11	+16 1.4	2.121	3.097	2.7	20.2
1 6	6 31.82	+16 35.0	2.125	3.097	3.3	20.2
1 16	6 23.10	+17 11.7	2.158	3.096	6.6	20.4
1 26	6 15.82	+17 49.6	2.219	3.095	9.9	20.6
2 5	6 10.61	+18 27.2	2.305	3.093	12.7	20.8

517060 2013 AW_{184} 12 30.3 138°.21 4°.3/31.2 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 27	7 4.30	+10 34.5	1.945	2.754	14.0	21.8
12 7	6 58.50	+10 27.6	1.874	2.760	10.9	21.6
12 17	6 50.56	+10 32.4	1.826	2.766	7.4	21.5
12 27	6 41.25	+10 49.3	1.805	2.772	4.6	21.3
1 6	6 31.59	+11 17.2	1.813	2.777	5.0	21.3
1 16	6 22.65	+11 54.0	1.850	2.782	7.9	21.5
1 26	6 15.41	+12 37.1	1.914	2.787	11.3	21.7
2 5	6 10.52	+13 23.6	2.001	2.792	14.3	21.9

90626 1483 $T\text{-}_{2}$ 12 30.3 199°.54 3°.1/30.9 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 27	7 3.11	+12 32.0	2.617	3.417	11.1	20.9
12 7	6 57.24	+12 21.0	2.530	3.413	8.5	20.8
12 17	6 49.68	+12 17.1	2.468	3.409	5.7	20.6
12 27	6 41.04	+12 20.6	2.435	3.403	3.4	20.4
1 6	6 32.06	+12 31.1	2.433	3.398	3.8	20.4
1 16	6 23.56	+12 47.7	2.461	3.391	6.4	20.6
1 26	6 16.31	+13 9.4	2.518	3.384	9.2	20.8
2 5	6 10.85	+13 34.6	2.600	3.376	11.8	20.9

402238 2005 GG_{159} 12 30.3 317°.26 3°.4/31.2 17

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
11 27	7 2.45	+12 19.4	1.459	2.293	16.6	20.4
12 7	6 58.22	+12 53.0	1.366	2.268	12.9	20.1
12 17	6 50.99	+13 45.0	1.293	2.245	8.4	19.8
12 27	6 41.49	+14 54.7	1.246	2.222	4.2	19.5
1 6	6 30.97	+16 18.0	1.225	2.199	4.7	19.5
1 16	6 20.94	+17 49.1	1.232	2.177	9.5	19.7
1 26	6 12.97	+19 21.7	1.263	2.156	14.4	19.9
2 5	6 8.17	+20 50.9	1.316	2.136	18.8	20.1

29847 1999 FC_{24} 12 30.3 305°.50 1°.5/30.5 18 R

11 27	7 3.37	+19 30.6	1.711	2.546	14.5	18.6
12 7	6 58.46	+19 24.3	1.616	2.524	10.9	18.3
12 17	6 50.89	+19 22.7	1.545	2.502	6.7	18.0
12 27	6 41.42	+19 24.9	1.500	2.481	2.3	17.7
1 6	6 31.23	+19 29.8	1.483	2.459	3.6	17.8
1 16	6 21.64	+19 36.5	1.494	2.438	8.3	18.0
1 26	6 13.96	+19 44.4	1.530	2.417	12.8	18.2
2 5	6 9.08	+19 53.6	1.588	2.397	16.6	18.4

59786 1999 NY_{52} 12 30.3 162°.08 5°.5/31.1 18

11 27	7 2.34	+ 6 3.4	2.469	3.253	12.1	20.1
12 7	6 56.66	+ 5 23.4	2.394	3.258	9.7	19.9
12 17	6 49.32	+ 4 54.3	2.343	3.262	7.3	19.8
12 27	6 40.95	+ 4 38.1	2.321	3.266	5.7	19.7
1 6	6 32.32	+ 4 35.3	2.327	3.269	5.9	19.7
1 16	6 24.24	+ 4 45.6	2.362	3.272	7.7	19.8
1 26	6 17.46	+ 5 7.2	2.425	3.274	10.1	20.0
2 5	6 12.52	+ 5 37.5	2.511	3.276	12.4	20.1

43750 1981 QG_{3} 12 30.3 200°.64 5°.6/31.7 18

11 27	7 3.66	+ 3 41.9	2.534	3.304	12.2	19.5
12 7	6 57.69	+ 3 30.1	2.446	3.300	9.9	19.4
12 17	6 49.98	+ 3 31.7	2.382	3.294	7.6	19.2
12 27	6 41.13	+ 3 47.9	2.347	3.288	5.9	19.1
1 6	6 31.91	+ 4 18.6	2.341	3.281	5.9	19.1
1 16	6 23.16	+ 5 2.3	2.364	3.273	7.7	19.2
1 26	6 15.65	+ 5 56.1	2.416	3.265	10.2	19.3
2 5	6 9.97	+ 6 56.6	2.492	3.256	12.6	19.5

322925 2002 DL 12 30.3 297°.22 4°.2/29.9 17

11 27	7 7.58	+34 57.4	1.997	2.819	13.2	21.0
12 7	7 1.28	+35 14.9	1.918	2.814	10.1	20.8
12 17	6 52.36	+35 24.3	1.864	2.809	6.9	20.6
12 27	6 41.74	+35 21.2	1.836	2.804	4.4	20.4
1 6	6 30.70	+35 3.1	1.837	2.799	5.2	20.5
1 16	6 20.59	+34 30.5	1.867	2.794	8.3	20.7
1 26	6 12.59	+33 46.9	1.923	2.789	11.6	20.9
2 5	6 7.42	+32 56.8	2.002	2.785	14.6	21.0

514180 2015 MC_{59} 12 30.3 225°.87 0°.1/30.3 18

11 27	7 7.28	+21 11.6	1.749	2.578	14.5	21.8
12 7	7 1.23	+21 36.3	1.666	2.571	10.8	21.5
12 17	6 52.46	+22 5.9	1.607	2.564	6.4	21.3
12 27	6 41.80	+22 37.5	1.575	2.557	1.6	20.9
1 6	6 30.51	+23 7.9	1.573	2.549	3.3	21.0
1 16	6 19.97	+23 34.5	1.599	2.541	8.1	21.3
1 26	6 11.45	+23 56.9	1.651	2.532	12.3	21.5
2 5	6 5.81	+24 15.3	1.726	2.524	16.0	21.8

255033 2005 TX_{84} 12 30.3 189°.63 1°.6/30.0 17

11 27	7 5.70	+27 32.4	2.437	3.255	11.2	21.5
12 7	6 59.38	+27 50.8	2.355	3.254	8.3	21.3
12 17	6 51.04	+28 7.5	2.299	3.253	5.0	21.1
12 27	6 41.40	+28 19.8	2.272	3.251	1.9	20.9
1 6	6 31.40	+28 25.7	2.276	3.249	3.0	21.0
1 16	6 22.03	+28 24.7	2.311	3.246	6.4	21.2
1 26	6 14.22	+28 17.5	2.373	3.243	9.6	21.4
2 5	6 8.59	+28 6.1	2.460	3.239	12.3	21.5

171201 2005 JC_{49} 12 30.3 71°.22 6°.2/29.2 18

11 27	7 9.71	+36 31.7	1.720	2.544	14.9	19.7
12 7	7 3.31	+37 39.4	1.658	2.552	11.6	19.5
12 17	6 53.75	+38 38.7	1.620	2.559	8.3	19.4
12 27	6 42.12	+39 21.7	1.608	2.567	6.3	19.3
1 6	6 29.95	+39 43.3	1.624	2.574	7.1	19.3
1 16	6 18.91	+39 42.9	1.667	2.582	10.0	19.5
1 26	6 10.44	+39 23.8	1.735	2.589	13.2	19.7
2 5	6 5.35	+38 52.0	1.823	2.597	16.1	19.9

102156 1999 RV_{204} 12 30.3 57°.62 5°.6/30.5 18

11 27	7 15.29	+37 42.5	1.458	2.283	17.1	19.4
12 7	7 7.17	+37 46.9	1.414	2.309	13.1	19.2
12 17	6 55.73	+37 36.6	1.393	2.336	9.0	19.1
12 27	6 42.51	+37 6.2	1.397	2.362	5.9	19.0
1 6	6 29.44	+36 15.2	1.429	2.389	6.5	19.1
1 16	6 18.26	+35 7.8	1.487	2.416	9.8	19.3
1 26	6 10.25	+33 51.2	1.571	2.443	13.4	19.6
2 5	6 5.91	+32 32.8	1.677	2.470	16.6	19.9

185719 1998 SV_{80} 12 30.3 125°.11 0°.8/30.4 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
11 27	7 10.18	+20 46.1	1.874	2.694	14.0	21.3
12 7	7 2.80	+20 43.6	1.813	2.713	10.4	21.1
12 17	6 53.06	+20 44.0	1.776	2.731	6.2	20.9
12 27	6 41.89	+20 45.5	1.767	2.748	1.8	20.7
1 6	6 30.52	+20 46.7	1.789	2.765	3.1	20.8
1 16	6 20.17	+20 47.4	1.841	2.781	7.4	21.1
1 26	6 11.87	+20 47.6	1.920	2.796	11.1	21.3
2 5	6 6.25	+20 48.2	2.022	2.810	14.3	21.6

17567 Hoshinoyakata 12 30.3 271°.13 3°.7/29.5 18

11 27	7 6.44	+31 39.6	2.062	2.887	12.7	17.4
12 7	7 0.56	+32 27.5	1.972	2.872	9.7	17.2
12 17	6 52.07	+33 12.5	1.907	2.856	6.4	17.0
12 27	6 41.73	+33 49.3	1.870	2.841	3.9	16.8
1 6	6 30.70	+34 13.8	1.861	2.825	4.9	16.8
1 16	6 20.29	+34 24.2	1.882	2.809	8.2	17.0
1 26	6 11.76	+34 21.6	1.929	2.793	11.7	17.2
2 5	6 5.96	+34 9.0	1.998	2.777	14.8	17.3

455872 2005 UT_{89} 12 30.3 339°.61 0°.3/30.3 17

11 27	7 2.33	+23 30.8	1.509	2.357	15.4	20.6
12 7	6 57.89	+23 11.8	1.428	2.343	11.5	20.3
12 17	6 50.59	+22 52.8	1.369	2.330	6.9	20.0
12 27	6 41.35	+22 32.7	1.336	2.318	1.8	19.7
1 6	6 31.52	+22 10.9	1.330	2.307	3.6	19.8
1 16	6 22.57	+21 48.1	1.350	2.297	8.7	20.0
1 26	6 15.84	+21 25.7	1.395	2.288	13.3	20.3
2 5	6 12.17	+21 5.4	1.460	2.280	17.3	20.5

320912 2008 GR_{92} 12 30.3 25°.90 3°.9/30.9 17

11 27	7 2.60	+12 26.0	1.912	2.729	13.9	21.1
12 7	6 57.34	+12 8.2	1.838	2.730	10.7	20.9
12 17	6 49.93	+12 0.1	1.787	2.731	7.2	20.7
12 27	6 41.14	+12 2.5	1.763	2.733	4.3	20.5
1 6	6 31.98	+12 14.9	1.768	2.734	4.8	20.5
1 16	6 23.52	+12 36.1	1.801	2.736	7.9	20.7
1 26	6 16.75	+13 4.0	1.860	2.737	11.4	20.9
2 5	6 12.31	+13 36.5	1.942	2.739	14.5	21.1

140193 2001 SE_{218} 12 30.3 49°.60 2°.1/30.7 18

11 27	7 3.70	+16 52.6	1.736	2.566	14.5	20.1
12 7	6 58.32	+16 57.2	1.671	2.575	10.9	19.8
12 17	6 50.56	+17 9.5	1.629	2.583	6.7	19.6
12 27	6 41.30	+17 28.3	1.614	2.592	2.7	19.4
1 6	6 31.70	+17 51.7	1.627	2.602	3.6	19.5
1 16	6 22.95	+18 17.8	1.668	2.611	7.7	19.7
1 26	6 16.14	+18 45.1	1.736	2.620	11.6	20.0
2 5	6 11.92	+19 12.2	1.826	2.630	14.9	20.2

461669 2005 GX_{227} 12 30.3 295°.06 2°.6/29.5 17

11 27	7 3.99	+28 3.7	2.263	3.089	11.7	21.2
12 7	6 58.60	+29 1.4	2.163	3.065	8.8	21.0
12 17	6 50.87	+30 0.4	2.087	3.041	5.5	20.8
12 27	6 41.44	+30 56.1	2.041	3.017	2.8	20.5
1 6	6 31.26	+31 44.2	2.025	2.993	4.0	20.6
1 16	6 21.47	+32 21.8	2.038	2.969	7.4	20.7
1 26	6 13.20	+32 48.2	2.079	2.945	10.9	20.9
2 5	6 7.31	+33 4.8	2.143	2.921	13.9	21.1

117082 2004 LK_{11} 12 30.3 221°.65 3°.2/30.4 18

11 27	7 7.82	+17 22.3	1.645	2.472	15.4	19.8
12 7	7 1.54	+16 37.7	1.567	2.468	11.6	19.5
12 17	6 52.56	+15 57.3	1.512	2.464	7.4	19.3
12 27	6 41.82	+15 22.4	1.484	2.460	3.6	19.1
1 6	6 30.61	+14 53.9	1.484	2.455	4.6	19.1
1 16	6 20.31	+14 32.9	1.512	2.450	8.8	19.3
1 26	6 12.14	+14 19.9	1.567	2.445	13.0	19.6
2 5	6 6.86	+14 14.4	1.643	2.440	16.7	19.8

9926 Desch 12 30.3 7°.84 2°.0/30.5 18

11 27	7 2.88	+19 15.7	1.119	1.979	18.7	18.4
12 7	6 58.79	+19 3.5	1.060	1.980	14.0	18.1
12 17	6 51.28	+18 58.8	1.021	1.982	8.5	17.8
12 27	6 41.53	+19 0.6	1.004	1.985	3.0	17.5
1 6	6 31.25	+19 7.4	1.012	1.989	4.5	17.6
1 16	6 22.23	+19 17.5	1.045	1.995	10.1	17.9
1 26	6 16.02	+19 30.2	1.099	2.001	15.3	18.3
2 5	6 13.44	+19 44.3	1.173	2.009	19.6	18.5

177874 2005 QM_{74} 12 30.3 149°.36 2°.7/29.9 17

11 27	7 6.48	+30 12.3	2.082	2.907	12.6	20.3
12 7	7 0.27	+30 38.6	2.009	2.910	9.4	20.1
12 17	6 51.69	+31 1.1	1.960	2.912	5.9	19.9
12 27	6 41.60	+31 16.2	1.939	2.915	3.0	19.7
1 6	6 31.12	+31 21.3	1.948	2.917	4.0	19.7
1 16	6 21.45	+31 15.8	1.986	2.919	7.4	20.0
1 26	6 13.68	+31 1.4	2.051	2.921	10.8	20.2
2 5	6 8.48	+30 41.0	2.139	2.923	13.7	20.4

331306 2011 EQ_{58} 12 30.3 45°.70 0°.1/30.3 17

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
11 27	7 2.76	+20 32.7	2.100	2.927	12.5	20.5
12 7	6 57.41	+21 8.7	2.027	2.932	9.2	20.3
12 17	6 49.97	+21 49.7	1.980	2.937	5.4	20.1
12 27	6 41.16	+22 32.7	1.960	2.942	1.4	19.8
1 6	6 31.97	+23 14.8	1.971	2.947	2.7	19.9
1 16	6 23.44	+23 53.5	2.011	2.953	6.7	20.2
1 26	6 16.51	+24 27.7	2.079	2.959	10.2	20.4
2 5	6 11.86	+24 57.2	2.170	2.965	13.2	20.6

113301 2002 RC_{183} 12 30.3 302°.05 0°.6/30.3 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 27	7 5.22	+26 41.1	2.113	2.940	12.4	18.8
12 7	6 59.38	+26 16.9	2.014	2.918	9.3	18.6
12 17	6 51.21	+25 48.8	1.939	2.896	5.6	18.3
12 27	6 41.50	+25 15.7	1.893	2.875	1.5	18.0
1 6	6 31.28	+24 37.1	1.877	2.853	3.0	18.0
1 16	6 21.71	+23 54.4	1.891	2.832	7.1	18.3
1 26	6 13.86	+23 9.9	1.932	2.811	10.9	18.5
2 5	6 8.47	+22 26.2	1.997	2.790	14.3	18.6

249895 2001 RU_{102} 12 30.3 89°.48 3°.5/29.8 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 27	7 8.40	+31 45.2	1.928	2.752	13.5	21.0
12 7	7 1.73	+32 19.4	1.869	2.768	10.1	20.8
12 17	6 52.54	+32 48.2	1.834	2.784	6.5	20.6
12 27	6 41.79	+33 7.1	1.827	2.800	3.7	20.5
1 6	6 30.78	+33 13.1	1.849	2.815	4.7	20.6
1 16	6 20.80	+33 6.2	1.900	2.830	7.9	20.8
1 26	6 12.97	+32 48.8	1.978	2.845	11.3	21.0
2 5	6 7.94	+32 24.4	2.078	2.860	14.1	21.3

34375 2000 RP_{49} 12 30.3 84°.66 7°.3/31.1 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 27	7 3.11	+ 3 50.1	2.042	2.827	14.3	18.2
12 7	6 57.43	+ 2 47.8	1.981	2.840	11.7	18.1
12 17	6 49.85	+ 1 59.9	1.942	2.852	9.1	17.9
12 27	6 41.11	+ 1 29.6	1.930	2.865	7.5	17.9
1 6	6 32.16	+ 1 18.5	1.946	2.877	7.6	17.9
1 16	6 23.94	+ 1 26.0	1.989	2.890	9.5	18.0
1 26	6 17.30	+ 1 49.4	2.058	2.902	11.9	18.2
2 5	6 12.81	+ 2 24.9	2.148	2.914	14.2	18.4

231033 2005 EH_{238} 12 30.3 262°.09 0°.6/30.2 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 27	7 2.48	+24 25.4	2.529	3.351	10.8	20.8
12 7	6 57.03	+24 40.6	2.436	3.338	8.0	20.6
12 17	6 49.70	+24 56.6	2.368	3.325	4.7	20.4
12 27	6 41.11	+25 11.2	2.330	3.311	1.3	20.1
1 6	6 32.10	+25 22.8	2.322	3.298	2.6	20.2
1 16	6 23.56	+25 30.4	2.345	3.284	6.0	20.4
1 26	6 16.38	+25 34.1	2.395	3.270	9.3	20.6
2 5	6 11.18	+25 34.6	2.470	3.256	12.1	20.8

36340 2000 NT_{13} 12 30.3 71°.22 0°.8/30.4 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 27	7 8.61	+20 49.7	1.498	2.333	16.1	18.1
12 7	7 2.05	+20 50.3	1.448	2.356	11.9	17.9
12 17	6 52.76	+20 55.1	1.421	2.378	7.0	17.7
12 27	6 41.85	+21 1.7	1.420	2.401	2.0	17.4
1 6	6 30.78	+21 8.4	1.447	2.424	3.5	17.6
1 16	6 20.98	+21 14.2	1.502	2.446	8.3	17.9
1 26	6 13.60	+21 19.3	1.583	2.468	12.5	18.2
2 5	6 9.28	+21 24.1	1.685	2.491	16.0	18.5

513389 2008 HQ_{14} 12 30.3 239°.80 1°.1/30.4 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 27	7 8.20	+20 40.9	1.632	2.463	15.3	22.4
12 7	7 2.05	+20 33.3	1.548	2.453	11.4	22.1
12 17	6 53.02	+20 29.1	1.486	2.443	6.9	21.8
12 27	6 42.00	+20 27.0	1.452	2.433	2.1	21.5
1 6	6 30.33	+20 25.4	1.446	2.422	3.6	21.6
1 16	6 19.48	+20 23.9	1.468	2.411	8.6	21.8
1 26	6 10.82	+20 22.8	1.516	2.399	13.1	22.1
2 5	6 5.21	+20 22.8	1.585	2.387	17.0	22.3

219882 2002 EY_{36} 12 30.3 21°.44 4°.4/31.3 17

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 27	7 1.81	+10 14.1	1.978	2.789	13.7	20.7
12 7	6 56.72	+10 7.4	1.903	2.790	10.7	20.5
12 17	6 49.57	+10 12.6	1.852	2.791	7.4	20.3
12 27	6 41.08	+10 30.3	1.827	2.793	4.7	20.1
1 6	6 32.23	+10 59.4	1.831	2.794	5.0	20.2
1 16	6 24.02	+11 38.0	1.864	2.796	7.9	20.3
1 26	6 17.40	+12 23.2	1.923	2.798	11.1	20.5
2 5	6 13.02	+13 12.1	2.005	2.800	14.1	20.7

57822 2001 WV_{45} 12 30.3 230°.45 1°.0/30.2 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 27	7 8.09	+25 3.6	1.832	2.660	14.0	19.8
12 7	7 1.79	+25 19.3	1.746	2.651	10.4	19.6
12 17	6 52.79	+25 35.5	1.685	2.642	6.2	19.3
12 27	6 41.94	+25 48.8	1.651	2.633	1.8	19.0
1 6	6 30.49	+25 56.7	1.647	2.623	3.4	19.1
1 16	6 19.80	+25 58.1	1.672	2.612	7.9	19.4
1 26	6 11.15	+25 54.0	1.723	2.601	12.1	19.6
2 5	6 5.36	+25 46.2	1.797	2.590	15.6	19.8

474250 2001 SC_{130} 12 30.3 35°.96 4°.6/30.9 17

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
11 27	7 4.94	+14 11.3	1.113	1.962	19.5	20.4
12 7	6 59.94	+13 45.9	1.070	1.981	14.8	20.2
12 17	6 51.74	+13 34.3	1.046	2.000	9.6	19.9
12 27	6 41.63	+13 37.2	1.046	2.021	5.1	19.8
1 6	6 31.32	+13 53.1	1.071	2.042	5.8	19.9
1 16	6 22.47	+14 19.4	1.120	2.065	10.3	20.2
1 26	6 16.41	+14 52.6	1.192	2.088	14.9	20.5
2 5	6 13.78	+15 29.3	1.283	2.111	18.7	20.8

28346 Kent 12 30.3 260°.27 4°.8/29.5 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 27	7 8.18	+35 29.2	2.062	2.881	13.0	18.2
12 7	7 1.87	+36 8.7	1.977	2.869	10.1	18.0
12 17	6 52.85	+36 41.3	1.915	2.857	7.0	17.8
12 27	6 41.97	+37 1.5	1.881	2.845	4.9	17.7
1 6	6 30.48	+37 5.5	1.876	2.832	5.7	17.7
1 16	6 19.77	+36 52.8	1.899	2.820	8.6	17.8
1 26	6 11.10	+36 25.7	1.949	2.807	11.8	18.0
2 5	6 5.31	+35 48.8	2.020	2.794	14.8	18.2

210818 2001 LL_{7} 12 30.3 155°.59 4°.7/31.5 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 27	7 3.51	+ 6 32.8	2.540	3.321	11.9	21.0
12 7	6 57.50	+ 6 22.3	2.465	3.330	9.4	20.8
12 17	6 49.84	+ 6 23.3	2.415	3.338	6.9	20.6
12 27	6 41.16	+ 6 36.5	2.394	3.346	5.0	20.5
1 6	6 32.23	+ 7 1.4	2.403	3.353	5.1	20.6
1 16	6 23.84	+ 7 36.5	2.442	3.359	7.1	20.7
1 26	6 16.74	+ 8 19.4	2.509	3.365	9.6	20.9
2 5	6 11.45	+ 9 7.4	2.600	3.370	11.9	21.0

418756 2008 UC_{197} 12 30.3 45°.16 1°.2/29.9 17

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 27	7 5.08	+21 52.1	2.022	2.848	12.9	20.0
12 7	6 59.27	+23 13.9	1.956	2.861	9.5	19.8
12 17	6 51.16	+24 41.2	1.916	2.873	5.6	19.6
12 27	6 41.53	+26 8.6	1.905	2.886	1.7	19.3
1 6	6 31.44	+27 30.6	1.925	2.899	3.2	19.5
1 16	6 22.02	+28 42.9	1.975	2.912	7.1	19.7
1 26	6 14.35	+29 43.9	2.053	2.926	10.7	20.0
2 5	6 9.14	+30 33.6	2.155	2.940	13.6	20.2

265936 2006 BF_{181} 12 30.3 243°.13 2°.8/30.9 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 27	7 1.82	+13 33.2	2.258	3.071	12.2	20.6
12 7	6 56.59	+13 40.4	2.175	3.068	9.3	20.4
12 17	6 49.46	+13 56.4	2.117	3.064	6.0	20.2
12 27	6 41.09	+14 20.6	2.087	3.061	3.2	20.0
1 6	6 32.33	+14 51.5	2.087	3.057	3.6	20.1
1 16	6 24.11	+15 27.4	2.116	3.053	6.7	20.3
1 26	6 17.29	+16 6.3	2.173	3.049	10.0	20.5
2 5	6 12.50	+16 46.3	2.254	3.046	12.9	20.6

92514 2000 ND_{21} 12 30.3 143°.47 3°.9/31.2 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 27	7 6.30	+10 49.9	1.963	2.767	14.1	20.2
12 7	6 59.98	+10 54.4	1.893	2.778	10.8	20.0
12 17	6 51.48	+11 10.8	1.846	2.787	7.3	19.8
12 27	6 41.60	+11 38.8	1.828	2.796	4.3	19.6
1 6	6 31.37	+12 16.7	1.839	2.805	4.7	19.7
1 16	6 21.89	+13 1.8	1.879	2.812	7.8	19.9
1 26	6 14.14	+13 51.4	1.947	2.820	11.2	20.1
2 5	6 8.78	+14 42.6	2.039	2.826	14.2	20.3

493303 2014 UY_{183} 12 30.3 42°.20 7°.6/31.0 17

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 27	7 2.02	+ 4 10.6	1.912	2.704	14.9	21.0
12 7	6 56.74	+ 2 58.5	1.856	2.719	12.1	20.8
12 17	6 49.49	+ 2 1.4	1.823	2.735	9.5	20.7
12 27	6 41.07	+ 1 23.0	1.815	2.750	7.8	20.6
1 6	6 32.47	+ 1 5.2	1.835	2.766	8.0	20.7
1 16	6 24.65	+ 1 7.3	1.881	2.783	9.9	20.8
1 26	6 18.50	+ 1 26.9	1.952	2.800	12.3	21.0
2 5	6 14.54	+ 1 59.5	2.045	2.817	14.7	21.2

458626 2011 FH_{133} 12 30.3 285°.45 4°.5/29.7 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 27	7 6.29	+36 2.0	2.246	3.062	12.1	21.7
12 7	7 0.19	+36 33.3	2.167	3.058	9.4	21.5
12 17	6 51.70	+36 57.1	2.114	3.054	6.5	21.3
12 27	6 41.67	+37 8.9	2.088	3.050	4.6	21.2
1 6	6 31.23	+37 6.1	2.091	3.047	5.3	21.3
1 16	6 21.57	+36 48.5	2.123	3.043	7.9	21.4
1 26	6 13.78	+36 18.5	2.181	3.039	10.8	21.6
2 5	6 8.56	+35 40.1	2.263	3.035	13.4	21.8

33332 1998 SN_{34} 12 30.3 30°.51 22°.2/ 2.7 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 27	7 4.45	−14 54.1	1.027	1.782	27.2	18.1
12 7	6 59.98	−17 40.0	0.990	1.787	25.2	18.0
12 17	6 52.04	−19 41.2	0.967	1.792	23.5	17.9
12 27	6 41.81	−20 43.5	0.958	1.798	22.4	17.9
1 6	6 31.03	−20 40.6	0.965	1.805	22.3	17.9
1 16	6 21.55	−19 35.0	0.986	1.813	23.0	18.0
1 26	6 14.92	−17 37.6	1.023	1.821	24.4	18.1
2 5	6 12.03	−15 4.9	1.073	1.829	26.1	18.3

14731 2000 DY_{68} 12 30.3 173°.61 4°.1/31.2 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
11 27	7 0.75	+ 9 0.5	2.662	3.455	11.1	18.9
12 7	6 55.48	+ 8 44.0	2.582	3.457	8.7	18.7
12 17	6 48.68	+ 8 36.7	2.527	3.458	6.2	18.6
12 27	6 40.89	+ 8 39.4	2.501	3.459	4.3	18.5
1 6	6 32.85	+ 8 51.8	2.504	3.460	4.5	18.5
1 16	6 25.28	+ 9 13.0	2.538	3.461	6.6	18.6
1 26	6 18.89	+ 9 41.5	2.599	3.461	9.1	18.8
2 5	6 14.18	+10 15.0	2.685	3.461	11.4	18.9

21698 McCarron 12 30.3 104°.64 0°.9/30.2 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 27	7 8.23	+24 20.7	1.818	2.646	14.1	18.8
12 7	7 1.62	+24 46.6	1.757	2.662	10.3	18.6
12 17	6 52.53	+25 13.5	1.720	2.678	6.1	18.4
12 27	6 41.88	+25 37.9	1.712	2.693	1.7	18.1
1 6	6 30.94	+25 56.9	1.732	2.708	3.3	18.3
1 16	6 20.99	+26 9.4	1.782	2.723	7.5	18.6
1 26	6 13.12	+26 15.8	1.859	2.737	11.3	18.8
2 5	6 8.02	+26 17.9	1.958	2.751	14.5	19.1

18076 2000 DV_{59} 12 30.3 79°.23 1°.5/30.2 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 27	7 8.84	+26 36.3	1.802	2.631	14.1	18.5
12 7	7 1.96	+26 51.1	1.751	2.655	10.4	18.3
12 17	6 52.64	+27 4.1	1.723	2.680	6.2	18.1
12 27	6 41.88	+27 12.1	1.723	2.704	2.1	17.9
1 6	6 30.99	+27 13.1	1.753	2.727	3.4	18.0
1 16	6 21.23	+27 7.1	1.812	2.751	7.5	18.3
1 26	6 13.66	+26 55.6	1.897	2.774	11.2	18.6
2 5	6 8.85	+26 41.1	2.005	2.797	14.2	18.9

212505 2006 RT_{16} 12 30.3 130°.61 0°.7/30.2 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 27	7 5.96	+24 4.5	1.915	2.744	13.4	20.8
12 7	6 59.98	+24 24.1	1.842	2.748	9.9	20.6
12 17	6 51.60	+24 44.9	1.794	2.752	5.9	20.3
12 27	6 41.67	+25 4.2	1.774	2.756	1.6	20.1
1 6	6 31.34	+25 19.3	1.784	2.760	3.1	20.2
1 16	6 21.83	+25 29.1	1.822	2.763	7.3	20.4
1 26	6 14.22	+25 34.1	1.887	2.767	11.1	20.7
2 5	6 9.21	+25 35.3	1.976	2.770	14.3	20.9

264254 2259 $T\text{-}_3$ 12 30.3 110°.13 2°.5/30.6 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 27	7 11.10	+17 29.1	1.548	2.373	16.3	21.0
12 7	7 3.83	+17 11.3	1.492	2.393	12.1	20.8
12 17	6 53.83	+17 0.0	1.460	2.413	7.5	20.6
12 27	6 42.21	+16 54.7	1.454	2.432	3.1	20.4
1 6	6 30.39	+16 54.4	1.476	2.450	4.2	20.5
1 16	6 19.79	+16 58.4	1.527	2.467	8.6	20.8
1 26	6 11.58	+17 6.1	1.604	2.484	12.7	21.1
2 5	6 6.42	+17 16.9	1.703	2.500	16.2	21.3

396742 2003 SQ_{33} 12 30.3 32°.79 10°.1/ 1.9 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 27	7 2.20	− 0 17.3	1.406	2.202	19.1	20.3
12 7	6 57.52	− 0 56.0	1.352	2.213	15.9	20.1
12 17	6 50.24	− 1 8.5	1.317	2.225	12.8	20.0
12 27	6 41.33	− 0 51.0	1.305	2.237	10.5	19.9
1 6	6 32.08	− 0 3.6	1.317	2.250	10.3	19.9
1 16	6 23.82	+ 1 9.5	1.353	2.264	12.2	20.1
1 26	6 17.70	+ 2 40.8	1.412	2.278	15.0	20.3
2 5	6 14.41	+ 4 21.8	1.492	2.292	17.9	20.5

89034 2001 TZ_{106} 12 30.3 60°.55 1°.8/30.4 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 27	7 7.98	+20 26.6	1.428	2.267	16.6	18.6
12 7	7 1.79	+19 57.0	1.371	2.280	12.3	18.4
12 17	6 52.74	+19 30.8	1.336	2.294	7.4	18.2
12 27	6 41.95	+19 7.7	1.327	2.308	2.6	17.9
1 6	6 30.92	+18 47.6	1.346	2.321	4.0	18.0
1 16	6 21.14	+18 31.2	1.391	2.336	8.8	18.4
1 26	6 13.85	+18 19.0	1.462	2.350	13.2	18.6
2 5	6 9.69	+18 11.3	1.554	2.364	16.9	18.9

153716 2001 UE_{97} 12 30.3 285°.53 6°.3/28.8 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 27	7 8.45	+37 24.3	1.920	2.740	13.8	19.7
12 7	7 2.43	+38 37.7	1.842	2.731	10.9	19.5
12 17	6 53.39	+39 44.0	1.789	2.723	8.0	19.3
12 27	6 42.20	+40 35.7	1.762	2.715	6.3	19.2
1 6	6 30.25	+41 7.1	1.762	2.707	7.2	19.2
1 16	6 19.10	+41 16.3	1.791	2.699	9.9	19.4
1 26	6 10.21	+41 5.8	1.844	2.690	13.0	19.5
2 5	6 4.50	+40 40.7	1.918	2.682	15.8	19.7

64737 2001 XQ_{139} 12 30.3 33°.19 0°.0/30.1 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 27	7 4.11	+21 57.7	1.811	2.644	13.9	19.7
12 7	6 58.72	+22 16.6	1.740	2.648	10.2	19.5
12 17	6 50.90	+22 39.0	1.694	2.652	6.1	19.2
12 27	6 41.52	+23 2.3	1.674	2.656	1.5	18.9
1 6	6 31.72	+23 23.8	1.683	2.660	3.1	19.1
1 16	6 22.74	+23 42.1	1.721	2.665	7.5	19.3
1 26	6 15.68	+23 56.8	1.785	2.669	11.4	19.6
2 5	6 11.24	+24 8.2	1.872	2.674	14.7	19.8

351080 2003 UF_{65} 12 30.3 71°.13 0°.9/30.6 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
11 27	7 6.95	+18 18.3	1.616	2.446	15.4	20.5
12 7	7 0.84	+18 56.4	1.561	2.466	11.4	20.3
12 17	6 52.14	+19 42.5	1.529	2.486	6.8	20.1
12 27	6 41.82	+20 32.8	1.524	2.505	2.0	19.8
1 6	6 31.19	+21 23.3	1.548	2.525	3.3	20.0
1 16	6 21.59	+22 10.7	1.601	2.544	7.9	20.3
1 26	6 14.17	+22 53.1	1.680	2.564	12.0	20.6
2 5	6 9.61	+23 30.1	1.781	2.583	15.3	20.9

306105 2010 JU_{14} 12 30.3 152°.84 1°.5/30.0 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 27	7 7.59	+26 1.9	2.056	2.880	12.8	21.8
12 7	7 1.09	+26 34.4	1.984	2.886	9.5	21.6
12 17	6 52.23	+27 6.9	1.937	2.892	5.7	21.4
12 27	6 41.85	+27 35.6	1.918	2.898	2.0	21.2
1 6	6 31.08	+27 57.6	1.930	2.903	3.3	21.3
1 16	6 21.08	+28 11.6	1.971	2.908	7.2	21.5
1 26	6 12.95	+28 18.0	2.039	2.912	10.7	21.7
2 5	6 7.36	+28 18.8	2.131	2.916	13.8	22.0

278840 2008 SE_{303} 12 30.3 97°.38 4°.7/31.3 17

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 27	7 1.20	+ 8 22.6	2.294	3.092	12.5	21.1
12 7	6 56.01	+ 8 1.1	2.221	3.097	9.8	20.9
12 17	6 49.07	+ 7 50.7	2.172	3.103	7.1	20.8
12 27	6 41.04	+ 7 52.4	2.151	3.108	5.0	20.6
1 6	6 32.73	+ 8 5.9	2.158	3.113	5.2	20.7
1 16	6 25.00	+ 8 30.3	2.195	3.118	7.4	20.8
1 26	6 18.64	+ 9 3.2	2.258	3.123	10.2	21.0
2 5	6 14.21	+ 9 42.1	2.346	3.128	12.7	21.2

471220 2010 WX_{27} 12 30.3 142°.71 0°.4/30.3 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 27	7 12.00	+24 7.5	1.694	2.519	15.0	22.4
12 7	7 4.55	+24 12.4	1.628	2.531	11.1	22.2
12 17	6 54.34	+24 17.5	1.586	2.543	6.6	21.9
12 27	6 42.38	+24 19.9	1.571	2.553	1.7	21.6
1 6	6 30.10	+24 17.7	1.587	2.563	3.4	21.8
1 16	6 18.93	+24 10.7	1.631	2.572	8.1	22.1
1 26	6 10.11	+24 0.4	1.702	2.580	12.2	22.3
2 5	6 4.34	+23 48.7	1.795	2.587	15.7	22.6

32666 6124 $P\text{–}L$ 12 30.3 126°.11 2°.4/30.7 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 27	7 8.35	+16 0.7	1.960	2.773	13.8	20.2
12 7	7 1.42	+15 57.0	1.897	2.791	10.3	20.0
12 17	6 52.30	+16 0.1	1.859	2.809	6.5	19.8
12 27	6 41.85	+16 9.2	1.849	2.825	2.9	19.6
1 6	6 31.17	+16 23.1	1.869	2.841	3.6	19.7
1 16	6 21.37	+16 40.4	1.919	2.857	7.3	19.9
1 26	6 13.43	+17 0.1	1.997	2.871	10.8	20.2
2 5	6 7.96	+17 21.1	2.098	2.885	13.9	20.4

473968 2016 EK_{190} 12 30.3 349°.95 0°.1/30.3 16

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 27	7 2.69	+23 37.3	1.919	2.754	13.2	21.1
12 7	6 57.58	+23 22.9	1.841	2.749	9.7	20.9
12 17	6 50.20	+23 8.5	1.787	2.746	5.8	20.6
12 27	6 41.35	+22 53.1	1.760	2.742	1.5	20.3
1 6	6 32.14	+22 36.1	1.762	2.739	2.9	20.4
1 16	6 23.69	+22 17.7	1.793	2.737	7.2	20.7
1 26	6 17.04	+21 59.0	1.850	2.735	11.0	20.9
2 5	6 12.85	+21 41.3	1.930	2.734	14.3	21.1

197437 2003 YD_{85} 12 30.3 1°.69 1°.9/30.7 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 27	7 0.99	+16 59.0	1.885	2.715	13.5	19.5
12 7	6 56.33	+17 8.6	1.810	2.714	10.1	19.3
12 17	6 49.47	+17 25.7	1.759	2.714	6.3	19.1
12 27	6 41.18	+17 49.1	1.735	2.714	2.5	18.8
1 6	6 32.48	+18 16.9	1.740	2.715	3.3	18.9
1 16	6 24.46	+18 47.1	1.773	2.716	7.3	19.1
1 26	6 18.14	+19 18.1	1.832	2.718	11.0	19.4
2 5	6 14.19	+19 48.5	1.914	2.721	14.3	19.6

279908 2001 QW_{249} 12 30.3 83°.85 0°.2/30.3 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 27	7 7.64	+21 53.0	1.971	2.794	13.3	21.2
12 7	7 0.92	+22 25.9	1.919	2.822	9.7	21.0
12 17	6 52.00	+23 1.6	1.893	2.849	5.7	20.8
12 27	6 41.78	+23 36.8	1.895	2.877	1.4	20.6
1 6	6 31.39	+24 8.6	1.927	2.904	2.9	20.7
1 16	6 21.95	+24 35.4	1.990	2.930	6.9	21.0
1 26	6 14.41	+24 56.8	2.079	2.956	10.4	21.3
2 5	6 9.36	+25 13.7	2.193	2.981	13.3	21.5

219168 1999 TM_{58} 12 30.3 345°.89 0°.3/30.4 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 27	7 5.02	+21 12.5	1.214	2.068	18.0	20.5
12 7	7 0.46	+21 28.2	1.145	2.063	13.4	20.2
12 17	6 52.43	+21 50.4	1.097	2.058	8.0	19.9
12 27	6 42.01	+22 16.0	1.072	2.054	2.1	19.6
1 6	6 30.84	+22 41.1	1.073	2.051	4.1	19.7
1 16	6 20.77	+23 3.2	1.100	2.049	9.9	20.0
1 26	6 13.44	+23 21.4	1.149	2.047	15.1	20.3
2 5	6 9.81	+23 36.2	1.217	2.046	19.5	20.6

44051 1998 FP_{13} 12 30.3 217°.39 0°.5/30.4 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
11 27	7 8.82	+20 13.6	1.761	2.586	14.6	19.1
12 7	7 2.43	+20 38.4	1.676	2.579	10.9	18.9
12 17	6 53.28	+21 9.0	1.614	2.571	6.5	18.6
12 27	6 42.20	+21 42.7	1.581	2.562	1.8	18.3
1 6	6 30.43	+22 16.0	1.576	2.553	3.3	18.3
1 16	6 19.37	+22 46.5	1.601	2.543	8.1	18.6
1 26	6 10.35	+23 13.2	1.652	2.532	12.4	18.8
2 5	6 4.22	+23 36.1	1.726	2.521	16.1	19.1

270779 2002 RR_{189} 12 30.3 165°.20 4°.1/31.1 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 27	7 0.98	+ 9 26.4	2.585	3.381	11.3	20.9
12 7	6 55.71	+ 9 7.9	2.506	3.383	8.8	20.7
12 17	6 48.86	+ 8 58.5	2.453	3.385	6.3	20.6
12 27	6 41.00	+ 8 59.0	2.428	3.387	4.3	20.5
1 6	6 32.89	+ 9 9.2	2.432	3.389	4.5	20.5
1 16	6 25.27	+ 9 28.4	2.466	3.390	6.7	20.6
1 26	6 18.87	+ 9 54.8	2.528	3.392	9.3	20.8
2 5	6 14.20	+10 26.5	2.615	3.393	11.7	21.0

274170 2008 GB_{39} 12 30.3 296°.66 3°.9/30.8 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 27	7 5.20	+14 30.9	1.381	2.218	17.2	20.7
12 7	7 0.26	+14 15.1	1.300	2.205	13.2	20.5
12 17	6 52.22	+14 10.6	1.240	2.192	8.6	20.2
12 27	6 41.96	+14 17.8	1.204	2.179	4.5	19.9
1 6	6 30.91	+14 36.1	1.195	2.167	5.3	19.9
1 16	6 20.67	+15 3.5	1.211	2.154	10.0	20.1
1 26	6 12.75	+15 37.5	1.252	2.142	14.8	20.4
2 5	6 8.11	+16 15.6	1.313	2.130	19.0	20.6

36788 2000 SK_{18} 12 30.3 342°.84 5°.4/30.4 17

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 27	7 1.70	+13 19.0	1.528	2.361	16.0	18.7
12 7	6 57.26	+12 13.3	1.450	2.350	12.4	18.4
12 17	6 50.21	+11 15.3	1.394	2.340	8.6	18.2
12 27	6 41.41	+10 28.3	1.364	2.331	5.7	18.0
1 6	6 32.09	+ 9 55.0	1.360	2.323	6.4	18.0
1 16	6 23.58	+ 9 36.8	1.382	2.316	9.9	18.2
1 26	6 17.09	+ 9 33.0	1.428	2.309	13.9	18.4
2 5	6 13.40	+ 9 41.3	1.495	2.304	17.4	18.6

482871 2014 ER_{5} 12 30.3 347°.90 1°.2/30.5 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 27	7 3.59	+19 59.5	1.227	2.082	17.8	21.2
12 7	6 59.33	+20 4.7	1.158	2.075	13.3	20.9
12 17	6 51.74	+20 17.2	1.109	2.069	8.0	20.6
12 27	6 41.84	+20 34.9	1.083	2.065	2.4	20.2
1 6	6 31.23	+20 54.9	1.083	2.061	4.1	20.3
1 16	6 21.68	+21 14.9	1.109	2.058	9.8	20.6
1 26	6 14.77	+21 33.9	1.157	2.056	14.9	20.9
2 5	6 11.43	+21 51.5	1.225	2.055	19.3	21.2

229432 2005 TQ_{106} 12 30.3 312°.37 0°.8/30.2 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 27	7 5.74	+23 35.5	1.380	2.227	16.6	21.0
12 7	7 0.85	+23 58.9	1.300	2.215	12.4	20.7
12 17	6 52.65	+24 26.1	1.242	2.203	7.4	20.4
12 27	6 42.09	+24 53.2	1.209	2.191	2.0	20.1
1 6	6 30.69	+25 16.0	1.202	2.179	4.0	20.2
1 16	6 20.19	+25 32.3	1.222	2.168	9.5	20.4
1 26	6 12.19	+25 42.0	1.266	2.158	14.5	20.7
2 5	6 7.71	+25 46.7	1.329	2.147	18.7	20.9

70526 1999 TG_{113} 12 30.3 103°.49 1°.0/30.2 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 27	7 10.12	+25 36.4	1.991	2.812	13.3	20.7
12 7	7 2.72	+25 47.3	1.936	2.837	9.8	20.5
12 17	6 53.05	+25 57.0	1.906	2.862	5.8	20.3
12 27	6 42.07	+26 2.7	1.905	2.886	1.7	20.1
1 6	6 30.96	+26 2.9	1.935	2.910	3.1	20.3
1 16	6 20.89	+25 57.3	1.994	2.933	7.0	20.6
1 26	6 12.84	+25 47.5	2.081	2.955	10.5	20.8
2 5	6 7.40	+25 35.2	2.192	2.976	13.4	21.0

1365 Henyey 12 30.3 232°.69 1°.2/30.4 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 27	7 8.95	+20 51.4	1.632	2.462	15.3	15.7
12 7	7 2.63	+20 36.5	1.548	2.454	11.5	15.4
12 17	6 53.43	+20 24.3	1.488	2.445	6.9	15.1
12 27	6 42.26	+20 13.6	1.454	2.435	2.2	14.8
1 6	6 30.47	+20 3.5	1.449	2.425	3.6	14.9
1 16	6 19.54	+19 53.9	1.473	2.415	8.6	15.1
1 26	6 10.81	+19 45.7	1.522	2.405	13.1	15.4
2 5	6 5.14	+19 39.6	1.593	2.394	16.9	15.6

507523 2012 VE_{86} 12 30.3 277°.35 9°.1/26.5 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 27	7 17.47	+29 25.1	1.058	1.906	20.5	20.1
12 7	7 11.62	+33 1.4	0.990	1.900	15.8	19.8
12 17	7 0.36	+36 52.2	0.945	1.894	11.3	19.6
12 27	6 44.37	+40 33.0	0.927	1.888	9.1	19.4
1 6	6 25.80	+43 38.0	0.936	1.882	11.7	19.5
1 16	6 7.90	+45 51.7	0.971	1.876	16.4	19.8
1 26	5 54.00	+47 14.6	1.026	1.870	21.1	20.0
2 5	5 46.13	+47 58.5	1.097	1.864	25.0	20.3

79620 1998 RC_{62} 12 30.3 111°.24 4°.4/31.0 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
11 27	7 7.48	+12 5.9	1.624	2.441	16.0	20.0
12 7	7 1.18	+11 46.9	1.562	2.454	12.3	19.8
12 17	6 52.35	+11 39.8	1.523	2.467	8.2	19.5
12 27	6 41.94	+11 44.9	1.510	2.480	4.9	19.4
1 6	6 31.23	+12 1.6	1.526	2.492	5.3	19.4
1 16	6 21.50	+12 27.8	1.569	2.504	8.8	19.7
1 26	6 13.88	+13 1.1	1.638	2.516	12.6	19.9
2 5	6 9.05	+13 38.6	1.730	2.527	15.9	20.2

337492 2001 SL_{98} 12 30.3 104°.42 3°.1/30.7 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 27	7 8.96	+15 32.3	1.726	2.545	15.1	21.0
12 7	7 2.05	+15 13.3	1.670	2.566	11.4	20.8
12 17	6 52.75	+15 2.2	1.637	2.587	7.2	20.6
12 27	6 42.03	+14 58.6	1.632	2.607	3.5	20.4
1 6	6 31.13	+15 1.9	1.655	2.626	4.3	20.5
1 16	6 21.28	+15 11.1	1.708	2.645	8.0	20.7
1 26	6 13.53	+15 25.0	1.787	2.664	11.8	21.0
2 5	6 8.47	+15 42.4	1.889	2.682	15.0	21.3

171655 2000 GW_{140} 12 30.3 280°.94 1°.9/29.8 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 27	7 6.41	+24 51.0	1.905	2.734	13.5	20.4
12 7	7 0.80	+25 52.2	1.808	2.713	10.1	20.1
12 17	6 52.46	+26 58.3	1.735	2.692	6.1	19.8
12 27	6 42.07	+28 4.1	1.691	2.671	2.3	19.5
1 6	6 30.78	+29 4.1	1.676	2.649	3.9	19.6
1 16	6 19.94	+29 54.3	1.691	2.627	8.2	19.8
1 26	6 10.91	+30 33.4	1.732	2.605	12.3	20.0
2 5	6 4.68	+31 2.2	1.795	2.583	15.8	20.2

188316 2003 FG_{91} 12 30.3 194°.17 7°.9/28.9 17

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 27	7 13.75	+47 51.6	2.470	3.243	12.4	20.6
12 7	7 5.98	+48 48.4	2.398	3.241	10.5	20.4
12 17	6 55.31	+49 31.0	2.350	3.239	8.8	20.3
12 27	6 42.73	+49 52.7	2.329	3.237	7.9	20.2
1 6	6 29.64	+49 49.8	2.334	3.234	8.3	20.3
1 16	6 17.56	+49 22.6	2.367	3.231	9.8	20.4
1 26	6 7.80	+48 35.0	2.426	3.227	11.7	20.5
2 5	6 1.16	+47 33.3	2.505	3.223	13.7	20.6

220039 2002 RY_{42} 12 30.3 73°.99 0°.9/30.2 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 27	7 10.33	+23 41.0	1.358	2.199	17.2	20.4
12 7	7 3.76	+24 8.6	1.308	2.219	12.6	20.2
12 17	6 54.04	+24 38.5	1.280	2.239	7.4	19.9
12 27	6 42.39	+25 6.1	1.278	2.259	2.0	19.6
1 6	6 30.46	+25 27.5	1.303	2.279	3.9	19.8
1 16	6 19.94	+25 41.2	1.355	2.299	9.0	20.2
1 26	6 12.16	+25 48.3	1.432	2.319	13.5	20.5
2 5	6 7.81	+25 50.7	1.530	2.339	17.2	20.8

181602 2006 WO_{39} 12 30.3 216°.43 0°.7/30.5 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 27	7 8.31	+20 26.8	1.683	2.512	15.0	21.4
12 7	7 2.12	+20 39.5	1.602	2.506	11.2	21.1
12 17	6 53.13	+20 57.2	1.544	2.501	6.7	20.8
12 27	6 42.22	+21 17.6	1.513	2.494	1.9	20.5
1 6	6 30.68	+21 38.0	1.511	2.488	3.4	20.6
1 16	6 19.94	+21 56.5	1.538	2.481	8.2	20.9
1 26	6 11.32	+22 12.8	1.591	2.473	12.6	21.1
2 5	6 5.67	+22 27.0	1.665	2.465	16.4	21.3

419240 2009 VY_{39} 12 30.3 64°.40 1°.9/30.5 17

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 27	7 3.77	+18 40.0	2.099	2.922	12.6	20.7
12 7	6 58.06	+18 12.0	2.029	2.929	9.4	20.5
12 17	6 50.36	+17 47.2	1.983	2.936	5.8	20.3
12 27	6 41.45	+17 26.1	1.966	2.944	2.4	20.1
1 6	6 32.29	+17 8.6	1.978	2.951	3.3	20.2
1 16	6 23.89	+16 55.1	2.020	2.959	6.8	20.4
1 26	6 17.12	+16 45.6	2.088	2.967	10.3	20.6
2 5	6 12.56	+16 40.0	2.181	2.974	13.2	20.8

73807 1995 SZ_{29} 12 30.3 61°.79 4°.0/29.9 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 27	7 13.76	+31 2.6	1.480	2.312	16.5	19.2
12 7	7 5.99	+31 50.9	1.446	2.349	12.3	19.0
12 17	6 55.16	+32 32.6	1.435	2.387	7.8	18.8
12 27	6 42.63	+33 1.1	1.451	2.424	4.3	18.7
1 6	6 30.12	+33 13.0	1.495	2.462	5.4	18.9
1 16	6 19.25	+33 8.9	1.566	2.498	9.1	19.2
1 26	6 11.24	+32 52.5	1.663	2.535	12.8	19.5
2 5	6 6.65	+32 28.8	1.780	2.570	15.8	19.8

369117 2008 QJ_{6} 12 30.4 82°.92 2°.0/30.5 17

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 27	7 3.38	+18 3.6	2.212	3.032	12.2	20.9
12 7	6 57.70	+17 38.6	2.140	3.039	9.1	20.7
12 17	6 50.12	+17 17.4	2.094	3.046	5.6	20.5
12 27	6 41.39	+17 0.1	2.076	3.053	2.4	20.3
1 6	6 32.43	+16 46.6	2.088	3.061	3.2	20.3
1 16	6 24.16	+16 37.1	2.129	3.068	6.6	20.6
1 26	6 17.43	+16 31.5	2.198	3.075	9.9	20.8
2 5	6 12.81	+16 29.5	2.291	3.082	12.7	21.0

142302 2002 RR_{150} 12 30.4 161°.10 4°.0/30.8 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
11 27	7 8.15	+13 37.3	1.747	2.562	15.1	20.1
12 7	7 1.63	+13 8.0	1.675	2.567	11.6	19.9
12 17	6 52.64	+12 47.4	1.627	2.572	7.7	19.7
12 27	6 42.07	+12 36.5	1.605	2.576	4.4	19.5
1 6	6 31.10	+12 35.3	1.613	2.580	5.0	19.5
1 16	6 21.01	+12 43.2	1.649	2.583	8.6	19.7
1 26	6 12.92	+12 58.7	1.711	2.585	12.4	20.0
2 5	6 7.52	+13 20.0	1.796	2.587	15.7	20.2

160618 1999 TV_{103} 12 30.4 61°.06 0°.8/30.4 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 27	7 8.33	+21 34.4	1.497	2.333	16.1	20.0
12 7	7 1.90	+21 26.3	1.448	2.357	11.8	19.8
12 17	6 52.76	+21 21.2	1.422	2.381	7.0	19.6
12 27	6 42.06	+21 17.4	1.423	2.404	1.9	19.3
1 6	6 31.23	+21 13.6	1.451	2.428	3.5	19.5
1 16	6 21.68	+21 9.5	1.508	2.452	8.2	19.8
1 26	6 14.55	+21 5.6	1.589	2.476	12.4	20.1
2 5	6 10.43	+21 2.7	1.693	2.500	15.8	20.4

183228 2002 TT_{48} 12 30.4 83°.81 2°.7/30.0 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 27	7 13.14	+28 4.3	1.479	2.312	16.4	20.3
12 7	7 5.64	+28 41.6	1.433	2.339	12.1	20.1
12 17	6 55.06	+29 15.8	1.410	2.366	7.4	19.9
12 27	6 42.65	+29 41.4	1.414	2.392	3.1	19.7
1 6	6 30.08	+29 54.7	1.445	2.417	4.5	19.8
1 16	6 18.98	+29 55.3	1.505	2.443	8.9	20.1
1 26	6 10.65	+29 46.0	1.590	2.467	12.9	20.4
2 5	6 5.74	+29 30.7	1.696	2.492	16.3	20.7

399987 2006 BE_{278} 12 30.4 303°.35 2°.8/30.8 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 27	7 4.89	+16 10.1	1.577	2.409	15.6	21.2
12 7	6 59.65	+16 3.7	1.500	2.404	11.8	20.9
12 17	6 51.68	+16 6.1	1.444	2.398	7.5	20.6
12 27	6 41.86	+16 16.9	1.415	2.392	3.4	20.4
1 6	6 31.46	+16 34.5	1.413	2.387	4.3	20.4
1 16	6 21.86	+16 57.3	1.439	2.382	8.7	20.7
1 26	6 14.35	+17 23.6	1.490	2.377	13.0	20.9
2 5	6 9.75	+17 51.8	1.562	2.372	16.8	21.1

364316 2006 UD_{70} 12 30.4 22°.50 17°.7/21.3 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 27	7 29.65	+59 55.3	1.554	2.297	19.8	19.3
12 7	7 23.46	+63 42.6	1.525	2.305	18.5	19.2
12 17	7 9.25	+67 1.4	1.518	2.313	17.8	19.2
12 27	6 47.09	+69 31.6	1.532	2.323	17.8	19.2
1 6	6 20.15	+71 0.0	1.566	2.333	18.5	19.3
1 16	5 54.50	+71 25.9	1.618	2.344	19.6	19.4
1 26	5 36.04	+71 2.4	1.685	2.356	20.8	19.5
2 5	5 27.32	+70 7.6	1.764	2.368	22.0	19.7

247239 2001 QC_{259} 12 30.4 52°.11 2°.2/30.3 17

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 27	7 9.98	+29 22.8	1.563	2.398	15.6	20.1
12 7	7 3.05	+29 16.6	1.517	2.424	11.5	19.9
12 17	6 53.39	+29 5.1	1.495	2.451	7.0	19.7
12 27	6 42.20	+28 45.3	1.499	2.479	2.7	19.5
1 6	6 31.02	+28 16.6	1.532	2.506	3.9	19.7
1 16	6 21.27	+27 40.8	1.592	2.534	8.2	20.0
1 26	6 14.05	+27 1.4	1.679	2.561	12.1	20.3
2 5	6 9.92	+26 21.8	1.787	2.589	15.3	20.6

232710 2004 BY_{71} 12 30.4 347°.17 2°.0/30.6 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 27	7 1.10	+17 58.8	1.914	2.745	13.3	19.8
12 7	6 56.43	+17 43.5	1.835	2.739	10.0	19.6
12 17	6 49.58	+17 33.3	1.779	2.734	6.2	19.3
12 27	6 41.30	+17 28.1	1.751	2.729	2.6	19.1
1 6	6 32.62	+17 27.2	1.751	2.725	3.5	19.1
1 16	6 24.61	+17 30.2	1.779	2.721	7.3	19.4
1 26	6 18.28	+17 36.6	1.833	2.718	11.1	19.6
2 5	6 14.30	+17 45.6	1.910	2.716	14.3	19.8

179041 2001 SG_{7} 12 30.4 359°.22 6°.9/31.9 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 27	7 2.25	+ 4 32.8	1.792	2.590	15.5	19.9
12 7	6 57.30	+ 4 11.5	1.719	2.589	12.5	19.7
12 17	6 50.11	+ 4 7.7	1.667	2.589	9.5	19.5
12 27	6 41.45	+ 4 23.5	1.641	2.589	7.3	19.4
1 6	6 32.36	+ 4 58.7	1.641	2.589	7.3	19.4
1 16	6 23.95	+ 5 50.9	1.669	2.589	9.6	19.5
1 26	6 17.26	+ 6 55.7	1.722	2.590	12.6	19.7
2 5	6 12.98	+ 8 8.0	1.797	2.590	15.6	19.9

75564 Audubon 12 30.4 304°.58 1°.3/30.7 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 27	7 5.31	+17 30.7	1.368	2.210	17.0	18.2
12 7	7 0.58	+18 6.0	1.284	2.195	12.9	17.9
12 17	6 52.59	+18 53.9	1.222	2.180	7.9	17.6
12 27	6 42.20	+19 51.5	1.185	2.166	2.5	17.2
1 6	6 30.83	+20 54.0	1.174	2.151	4.0	17.3
1 16	6 20.17	+21 56.0	1.190	2.138	9.6	17.6
1 26	6 11.89	+22 54.1	1.231	2.124	14.7	17.8
2 5	6 7.07	+23 46.3	1.292	2.111	19.1	18.0

15856 Yanokoji 12 30.4 245°.71 3°.5/29.9 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
11 27	7 11.20	+31 58.6	1.869	2.691	14.0	17.7
12 7	7 4.36	+32 20.5	1.777	2.675	10.7	17.5
12 17	6 54.54	+32 36.9	1.710	2.659	6.9	17.2
12 27	6 42.65	+32 42.7	1.669	2.643	3.8	17.0
1 6	6 30.04	+32 34.5	1.658	2.626	4.8	17.0
1 16	6 18.23	+32 11.9	1.676	2.608	8.7	17.2
1 26	6 8.65	+31 37.9	1.720	2.589	12.6	17.4
2 5	6 2.18	+30 57.2	1.787	2.570	16.0	17.6

114628 2003 ET_{16} 12 30.4 170°.54 1°.1/30.3 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 27	7 9.52	+25 50.9	1.852	2.678	13.9	20.2
12 7	7 2.75	+25 58.5	1.778	2.681	10.3	20.0
12 17	6 53.37	+26 5.0	1.727	2.684	6.2	19.7
12 27	6 42.32	+26 7.5	1.705	2.686	1.9	19.4
1 6	6 30.85	+26 3.9	1.712	2.687	3.3	19.5
1 16	6 20.29	+25 54.0	1.748	2.688	7.7	19.8
1 26	6 11.83	+25 39.5	1.811	2.689	11.6	20.0
2 5	6 6.19	+25 22.6	1.897	2.689	15.0	20.3

296844 2009 WN_{84} 12 30.4 141°.49 2°.8/30.0 16

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 27	7 11.84	+29 31.0	1.853	2.675	14.1	21.8
12 7	7 4.47	+30 1.2	1.787	2.687	10.5	21.6
12 17	6 54.38	+30 27.8	1.745	2.698	6.5	21.4
12 27	6 42.57	+30 46.1	1.732	2.708	3.1	21.2
1 6	6 30.39	+30 52.9	1.748	2.718	4.2	21.3
1 16	6 19.26	+30 47.8	1.794	2.727	8.0	21.5
1 26	6 10.40	+30 33.2	1.866	2.736	11.7	21.8
2 5	6 4.50	+30 12.5	1.961	2.743	14.9	22.0

39015 2000 UR_{49} 12 30.4 57°.30 1°.0/30.2 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 27	7 4.93	+24 57.4	1.909	2.741	13.3	18.7
12 7	6 59.27	+25 18.0	1.843	2.749	9.8	18.5
12 17	6 51.26	+25 39.2	1.800	2.757	5.8	18.2
12 27	6 41.78	+25 57.9	1.785	2.766	1.7	18.0
1 6	6 31.95	+26 11.7	1.799	2.775	3.1	18.1
1 16	6 22.97	+26 19.7	1.842	2.783	7.2	18.4
1 26	6 15.87	+26 22.2	1.912	2.792	10.9	18.6
2 5	6 11.34	+26 20.7	2.004	2.801	14.1	18.8

13359 1998 UC_{4} 12 30.4 185°.98 5°.4/31.1 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 27	7 4.26	+ 7 28.8	2.281	3.071	12.8	18.1
12 7	6 58.35	+ 6 52.1	2.201	3.071	10.2	17.9
12 17	6 50.58	+ 6 26.1	2.145	3.070	7.5	17.7
12 27	6 41.60	+ 6 12.8	2.117	3.069	5.6	17.6
1 6	6 32.29	+ 6 12.7	2.119	3.067	5.8	17.6
1 16	6 23.56	+ 6 25.5	2.149	3.065	8.0	17.8
1 26	6 16.24	+ 6 49.2	2.206	3.062	10.7	17.9
2 5	6 10.94	+ 7 21.1	2.287	3.059	13.3	18.1

26726 2001 HD_{10} 12 30.4 160°.96 1°.4/30.6 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 27	7 8.74	+18 33.2	1.936	2.754	13.7	19.7
12 7	7 1.98	+18 40.8	1.863	2.761	10.2	19.5
12 17	6 52.85	+18 53.8	1.814	2.767	6.2	19.3
12 27	6 42.20	+19 10.5	1.793	2.773	2.1	19.0
1 6	6 31.15	+19 29.0	1.802	2.778	3.2	19.1
1 16	6 20.91	+19 47.8	1.842	2.782	7.3	19.4
1 26	6 12.55	+20 6.1	1.908	2.785	11.1	19.6
2 5	6 6.75	+20 23.8	1.998	2.788	14.4	19.8

151337 2002 CM_{217} 12 30.4 192°.58 0°.2/30.4 17

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 27	7 3.88	+21 27.8	2.157	2.982	12.3	20.3
12 7	6 58.31	+21 42.3	2.079	2.982	9.1	20.1
12 17	6 50.66	+21 59.9	2.025	2.981	5.4	19.8
12 27	6 41.64	+22 18.6	1.999	2.981	1.4	19.6
1 6	6 32.23	+22 36.5	2.003	2.980	2.7	19.7
1 16	6 23.46	+22 52.3	2.037	2.979	6.6	19.9
1 26	6 16.28	+23 5.6	2.099	2.979	10.1	20.1
2 5	6 11.35	+23 16.7	2.184	2.978	13.2	20.3

216229 2006 UQ_{215} 12 30.4 65°.39 2°.6/30.9 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 27	7 3.88	+14 59.9	1.873	2.695	14.0	21.0
12 7	6 58.50	+15 4.9	1.798	2.696	10.6	20.8
12 17	6 50.85	+15 19.0	1.746	2.697	6.7	20.6
12 27	6 41.70	+15 41.2	1.722	2.698	3.2	20.4
1 6	6 32.12	+16 9.9	1.726	2.699	3.8	20.4
1 16	6 23.25	+16 43.0	1.759	2.700	7.6	20.6
1 26	6 16.13	+17 18.4	1.819	2.701	11.3	20.9
2 5	6 11.46	+17 54.4	1.902	2.702	14.6	21.1

372261 2008 UL_{242} 12 30.4 63°.78 3°.8/31.4 17

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 27	7 1.52	+10 13.0	2.213	3.019	12.7	20.9
12 7	6 56.38	+10 18.2	2.144	3.028	9.8	20.7
12 17	6 49.41	+10 34.5	2.099	3.038	6.7	20.5
12 27	6 41.31	+11 1.7	2.082	3.048	4.2	20.4
1 6	6 32.93	+11 38.5	2.094	3.058	4.4	20.4
1 16	6 25.16	+12 22.6	2.135	3.068	7.0	20.6
1 26	6 18.81	+13 11.4	2.203	3.078	10.0	20.8
2 5	6 14.46	+14 2.3	2.296	3.088	12.7	21.0

216375 2008 BL_{20} 12 30.4 93°.45 0°.9/30.5 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
11 27	7 4.92	+19 43.5	1.875	2.703	13.7	20.7
12 7	6 59.28	+19 55.8	1.803	2.707	10.2	20.5
12 17	6 51.31	+20 13.2	1.755	2.711	6.1	20.3
12 27	6 41.82	+20 33.6	1.734	2.715	1.8	20.0
1 6	6 31.94	+20 55.0	1.743	2.720	3.0	20.1
1 16	6 22.83	+21 15.6	1.781	2.724	7.3	20.4
1 26	6 15.55	+21 34.8	1.845	2.728	11.1	20.6
2 5	6 10.81	+21 52.3	1.932	2.732	14.4	20.8

220223 2002 VM_{108} 12 30.4 54°.78 2°.1/30.2 18

11 27	7 12.23	+27 2.0	1.181	2.029	18.7	19.7
12 7	7 5.36	+27 20.9	1.144	2.058	13.8	19.4
12 17	6 55.03	+27 37.2	1.128	2.087	8.2	19.2
12 27	6 42.72	+27 45.9	1.136	2.116	2.9	19.0
1 6	6 30.41	+27 44.2	1.170	2.146	4.5	19.2
1 16	6 19.91	+27 32.7	1.231	2.175	9.6	19.6
1 26	6 12.59	+27 14.6	1.315	2.205	14.2	19.9
2 5	6 9.02	+26 53.5	1.420	2.235	17.9	20.2

30522 2001 MQ_{15} 12 30.4 21°.17 9°.7/ 2.9 18

11 27	6 59.87	+ 0 31.9	1.071	1.895	21.9	15.8
12 7	6 56.30	+ 0 36.4	1.034	1.916	17.9	15.6
12 17	6 49.76	+ 1 14.5	1.014	1.939	13.8	15.5
12 27	6 41.42	+ 2 27.2	1.015	1.964	10.5	15.4
1 6	6 32.86	+ 4 9.3	1.040	1.991	9.8	15.4
1 16	6 25.60	+ 6 11.2	1.087	2.020	12.1	15.6
1 26	6 20.88	+ 8 21.5	1.158	2.051	15.5	15.9
2 5	6 19.34	+10 30.0	1.249	2.082	18.8	16.2

50517 2000 DK_{109} 12 30.4 97°.46 1°.9/30.0 18

11 27	7 10.58	+25 33.4	1.565	2.398	15.7	18.3
12 7	7 3.83	+26 18.1	1.509	2.415	11.6	18.1
12 17	6 54.13	+27 3.5	1.475	2.432	6.9	17.9
12 27	6 42.55	+27 44.3	1.469	2.449	2.5	17.6
1 6	6 30.60	+28 16.0	1.491	2.465	4.0	17.8
1 16	6 19.83	+28 36.7	1.541	2.480	8.5	18.1
1 26	6 11.53	+28 47.4	1.617	2.496	12.7	18.4
2 5	6 6.45	+28 50.8	1.714	2.511	16.1	18.6

179297 2001 VB_{62} 12 30.4 56°.62 0°.8/30.3 18

11 27	7 5.75	+25 11.3	1.853	2.685	13.7	20.2
12 7	6 59.94	+25 16.6	1.783	2.690	10.1	20.0
12 17	6 51.70	+25 21.6	1.737	2.695	6.0	19.7
12 27	6 41.93	+25 23.7	1.719	2.700	1.7	19.4
1 6	6 31.80	+25 21.3	1.730	2.706	3.1	19.6
1 16	6 22.57	+25 14.2	1.769	2.711	7.4	19.8
1 26	6 15.30	+25 3.3	1.835	2.717	11.2	20.1
2 5	6 10.68	+24 50.4	1.924	2.723	14.5	20.3

329290 2000 HT_{3} 12 30.4 193°.74 5°.2/31.4 18

11 27	7 0.38	+ 3 58.1	2.978	3.748	10.6	21.6
12 7	6 55.17	+ 3 25.3	2.895	3.746	8.6	21.5
12 17	6 48.57	+ 3 2.8	2.836	3.743	6.7	21.3
12 27	6 41.10	+ 2 52.3	2.805	3.741	5.4	21.2
1 6	6 33.38	+ 2 54.3	2.804	3.737	5.5	21.2
1 16	6 26.06	+ 3 8.4	2.832	3.734	6.9	21.3
1 26	6 19.76	+ 3 32.9	2.888	3.730	8.9	21.5
2 5	6 14.94	+ 4 5.5	2.968	3.725	10.9	21.6

329862 2004 XW_{9} 12 30.4 40°.04 1°.8/30.1 17

11 27	7 4.64	+26 36.9	1.814	2.649	13.8	20.3
12 7	6 59.17	+27 8.0	1.753	2.661	10.2	20.1
12 17	6 51.26	+27 38.4	1.716	2.674	6.1	19.9
12 27	6 41.81	+28 4.5	1.707	2.687	2.3	19.7
1 6	6 32.05	+28 23.2	1.726	2.700	3.6	19.8
1 16	6 23.20	+28 33.4	1.774	2.714	7.6	20.1
1 26	6 16.36	+28 35.9	1.847	2.728	11.3	20.3
2 5	6 12.19	+28 32.7	1.943	2.742	14.4	20.5

123043 2000 SV_{291} 12 30.4 162°.60 5°.4/29.6 18

11 27	7 12.71	+37 8.1	2.009	2.819	13.6	20.5
12 7	7 5.26	+37 54.6	1.939	2.824	10.6	20.4
12 17	6 54.95	+38 32.1	1.893	2.829	7.5	20.2
12 27	6 42.78	+38 54.3	1.876	2.833	5.5	20.1
1 6	6 30.16	+38 57.6	1.887	2.837	6.2	20.1
1 16	6 18.56	+38 41.7	1.926	2.840	8.9	20.3
1 26	6 9.27	+38 10.2	1.992	2.843	12.0	20.5
2 5	6 3.08	+37 28.6	2.081	2.845	14.7	20.7

364911 2008 ER_{148} 12 30.4 310°.81 1°.9/30.6 17

11 27	7 3.44	+18 23.3	1.740	2.573	14.4	21.6
12 7	6 58.49	+18 14.5	1.654	2.560	10.8	21.3
12 17	6 51.02	+18 11.3	1.591	2.547	6.7	21.0
12 27	6 41.80	+18 13.0	1.555	2.534	2.6	20.8
1 6	6 32.00	+18 18.8	1.546	2.521	3.6	20.8
1 16	6 22.86	+18 27.6	1.566	2.509	8.0	21.0
1 26	6 15.60	+18 38.8	1.611	2.498	12.2	21.3
2 5	6 11.02	+18 51.8	1.678	2.486	15.9	21.5

452924 2006 VJ_{173} 12 30.4 101°.25 1°.5/30.0 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
11 27	7 6.85	+25 33.1	2.033	2.858	12.9	21.5
12 7	7 0.58	+26 12.6	1.970	2.873	9.5	21.3
12 17	6 52.02	+26 52.6	1.931	2.887	5.7	21.1
12 27	6 42.01	+27 29.2	1.922	2.901	2.0	20.9
1 6	6 31.68	+27 59.1	1.942	2.915	3.3	21.0
1 16	6 22.17	+28 20.7	1.991	2.929	7.1	21.3
1 26	6 14.52	+28 34.5	2.068	2.942	10.5	21.5
2 5	6 9.37	+28 41.8	2.169	2.956	13.5	21.7

244888 2003 WC_{13} 12 30.4 256°.45 3°.0/30.6 18

11 27	7 5.70	+16 29.2	1.784	2.608	14.5	20.7
12 7	6 59.99	+15 59.8	1.702	2.601	11.0	20.4
12 17	6 51.82	+15 36.2	1.643	2.594	7.0	20.2
12 27	6 41.99	+15 18.8	1.611	2.587	3.5	19.9
1 6	6 31.67	+15 8.0	1.608	2.579	4.3	20.0
1 16	6 22.09	+15 3.7	1.633	2.572	8.2	20.2
1 26	6 14.39	+15 5.6	1.684	2.564	12.2	20.4
2 5	6 9.33	+15 12.7	1.757	2.556	15.7	20.6

438059 2004 RM_{27} 12 30.4 145°.97 0°.4/30.3 18

11 27	7 9.27	+23 31.4	2.104	2.922	12.8	22.6
12 7	7 2.23	+23 49.3	2.035	2.934	9.4	22.4
12 17	6 52.94	+24 8.4	1.990	2.946	5.6	22.2
12 27	6 42.25	+24 25.8	1.975	2.957	1.5	21.9
1 6	6 31.24	+24 39.4	1.991	2.967	2.8	22.1
1 16	6 21.05	+24 48.3	2.037	2.976	6.8	22.3
1 26	6 12.70	+24 52.8	2.111	2.984	10.4	22.6
2 5	6 6.82	+24 54.2	2.209	2.992	13.4	22.8

293528 2007 GW_{60} 12 30.4 120°.80 2°.2/30.0 17

11 27	7 5.42	+29 15.1	2.281	3.104	11.8	21.2
12 7	6 59.40	+29 36.4	2.209	3.110	8.7	21.0
12 17	6 51.27	+29 54.8	2.162	3.115	5.4	20.8
12 27	6 41.82	+30 7.2	2.144	3.121	2.5	20.6
1 6	6 32.06	+30 11.5	2.156	3.126	3.5	20.7
1 16	6 23.03	+30 7.3	2.197	3.132	6.7	20.9
1 26	6 15.67	+29 55.9	2.266	3.137	9.9	21.1
2 5	6 10.62	+29 39.4	2.358	3.142	12.6	21.3

281510 2008 TT_{22} 12 30.4 346°.92 6°.5/30.8 18

11 27	7 0.65	+ 7 17.2	1.965	2.770	14.1	20.1
12 7	6 56.00	+ 6 16.3	1.888	2.764	11.3	19.9
12 17	6 49.32	+ 5 26.8	1.834	2.759	8.5	19.7
12 27	6 41.34	+ 4 52.0	1.806	2.754	6.7	19.6
1 6	6 32.98	+ 4 33.8	1.805	2.750	7.0	19.6
1 16	6 25.24	+ 4 32.4	1.831	2.747	9.2	19.7
1 26	6 19.05	+ 4 46.2	1.883	2.744	12.1	19.9
2 5	6 15.03	+ 5 11.9	1.956	2.741	14.8	20.1

167066 2003 QT_{105} 12 30.4 14°.02 14°.2/31.0 17

11 27	7 5.41	+47 40.2	0.886	1.739	23.1	18.7
12 7	7 2.55	+48 59.2	0.857	1.750	19.5	18.6
12 17	6 54.27	+49 46.5	0.843	1.764	16.3	18.4
12 27	6 42.63	+49 49.2	0.847	1.781	14.4	18.4
1 6	6 30.78	+49 3.1	0.871	1.801	14.6	18.5
1 16	6 21.64	+47 34.8	0.914	1.823	16.7	18.7
1 26	6 17.09	+45 38.4	0.975	1.848	19.5	19.0
2 5	6 17.52	+43 29.1	1.054	1.875	22.4	19.3

210753 2000 VU_{51} 12 30.4 113°.32 4°.3/29.9 18

11 27	7 15.24	+32 9.3	1.572	2.397	16.0	20.3
12 7	7 7.35	+32 52.5	1.517	2.417	12.1	20.1
12 17	6 56.23	+33 29.1	1.486	2.435	7.8	19.9
12 27	6 43.11	+33 52.3	1.482	2.454	4.5	19.8
1 6	6 29.68	+33 58.1	1.506	2.471	5.6	19.9
1 16	6 17.69	+33 46.7	1.558	2.488	9.3	20.2
1 26	6 8.51	+33 22.2	1.636	2.504	13.2	20.4
2 5	6 2.87	+32 50.0	1.735	2.520	16.4	20.7

198723 2005 EV_{4} 12 30.4 90°.58 1°.8/30.1 18

11 27	7 3.97	+27 54.5	2.358	3.181	11.4	20.3
12 7	6 58.27	+28 15.2	2.285	3.187	8.4	20.1
12 17	6 50.59	+28 34.1	2.238	3.193	5.1	19.9
12 27	6 41.66	+28 48.4	2.219	3.198	2.1	19.7
1 6	6 32.42	+28 56.1	2.231	3.204	3.1	19.8
1 16	6 23.86	+28 56.8	2.272	3.209	6.4	20.0
1 26	6 16.87	+28 51.1	2.341	3.214	9.5	20.2
2 5	6 12.04	+28 40.9	2.434	3.220	12.2	20.4

15450 1998 XV_{40} 12 30.4 120°.01 2°.8/29.8 18

11 27	7 8.84	+29 54.5	2.157	2.976	12.5	18.3
12 7	7 1.98	+30 36.4	2.094	2.992	9.3	18.1
12 17	6 52.83	+31 15.2	2.056	3.007	5.8	17.9
12 27	6 42.23	+31 46.3	2.048	3.022	3.0	17.8
1 6	6 31.32	+32 6.7	2.069	3.037	4.0	17.9
1 16	6 21.27	+32 15.6	2.121	3.051	7.2	18.1
1 26	6 13.10	+32 14.3	2.200	3.064	10.4	18.3
2 5	6 7.47	+32 5.6	2.302	3.077	13.1	18.5

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
480510 2015 MV_1		12 30.4 139°.45	3°.0/30.2 18			
	h m	° ′			°	m
11 27	7 12.19	+30 36.2	1.710	2.536	14.9	21.6
12 7	7 4.93	+30 51.5	1.643	2.544	11.2	21.4
12 17	6 54.76	+31 1.3	1.600	2.552	7.0	21.2
12 27	6 42.74	+31 1.0	1.584	2.560	3.4	21.0
1 6	6 30.37	+30 48.3	1.597	2.567	4.5	21.1
1 16	6 19.17	+30 23.7	1.638	2.574	8.5	21.3
1 26	6 10.43	+29 50.6	1.706	2.580	12.4	21.6
2 5	6 4.87	+29 13.4	1.796	2.586	15.7	21.8
115759 2003 UJ_{206}		12 30.4 175°.58	4°.8/30.7 18			
11 27	7 5.80	+11 21.9	2.005	2.811	13.8	19.6
12 7	6 59.70	+10 32.3	1.929	2.812	10.7	19.4
12 17	6 51.47	+ 9 50.9	1.876	2.813	7.5	19.3
12 27	6 41.89	+ 9 20.1	1.852	2.814	5.1	19.1
1 6	6 31.97	+ 9 1.1	1.856	2.815	5.5	19.1
1 16	6 22.77	+ 8 54.0	1.890	2.815	8.3	19.3
1 26	6 15.23	+ 8 57.9	1.950	2.815	11.5	19.5
2 5	6 10.01	+ 9 10.8	2.033	2.814	14.4	19.7
460230 2014 QO_{228}		12 30.4 62°.75	0°.3/30.4 16			
11 27	7 4.55	+21 52.1	1.941	2.770	13.2	21.6
12 7	6 58.88	+21 56.2	1.876	2.781	9.8	21.4
12 17	6 51.00	+22 2.7	1.835	2.793	5.8	21.2
12 27	6 41.76	+22 10.0	1.823	2.804	1.5	20.9
1 6	6 32.25	+22 16.3	1.839	2.816	2.8	21.1
1 16	6 23.58	+22 21.1	1.885	2.828	6.9	21.3
1 26	6 16.71	+22 24.3	1.957	2.840	10.6	21.6
2 5	6 12.28	+22 26.4	2.053	2.852	13.7	21.8
457927 2009 UA_{101}		12 30.4 310°.43	2°.9/29.7 18			
11 27	7 5.00	+29 37.0	2.131	2.958	12.3	21.4
12 7	6 59.40	+30 25.1	2.053	2.955	9.2	21.2
12 17	6 51.45	+31 11.4	2.001	2.953	5.9	21.0
12 27	6 41.92	+31 51.6	1.976	2.950	3.1	20.8
1 6	6 31.88	+32 21.8	1.981	2.948	4.2	20.9
1 16	6 22.51	+32 40.5	2.015	2.946	7.5	21.1
1 26	6 14.88	+32 48.1	2.075	2.944	10.8	21.3
2 5	6 9.75	+32 46.9	2.159	2.942	13.7	21.5
396629 2001 UU_{113}		12 30.4 86°.16	3°.9/29.7 18			
11 27	7 10.14	+32 42.8	2.007	2.826	13.3	21.2
12 7	7 3.03	+33 30.0	1.956	2.851	10.0	21.1
12 17	6 53.46	+34 11.1	1.930	2.876	6.6	20.9
12 27	6 42.39	+34 41.0	1.932	2.901	4.1	20.8
1 6	6 31.11	+34 56.6	1.964	2.925	4.9	20.9
1 16	6 20.89	+34 57.7	2.024	2.949	7.9	21.1
1 26	6 12.81	+34 46.5	2.112	2.973	10.9	21.4
2 5	6 7.49	+34 27.0	2.222	2.996	13.6	21.6
369620 2011 DT_2		12 30.4 198°.66	3°.3/31.2 18			
11 27	7 1.66	+11 49.7	2.438	3.243	11.7	21.0
12 7	6 56.43	+11 48.1	2.356	3.241	9.0	20.8
12 17	6 49.47	+11 55.3	2.299	3.240	6.0	20.6
12 27	6 41.39	+12 11.4	2.270	3.238	3.6	20.5
1 6	6 32.97	+12 35.4	2.271	3.237	3.9	20.5
1 16	6 25.05	+13 5.8	2.302	3.235	6.5	20.7
1 26	6 18.42	+13 41.0	2.360	3.233	9.5	20.8
2 5	6 13.65	+14 18.9	2.444	3.230	12.1	21.0
73622 3418 T-3		12 30.4 204°.08	0°.0/30.4 18			
11 27	7 3.39	+22 7.1	2.525	3.344	10.9	20.2
12 7	6 57.73	+22 18.7	2.440	3.341	8.0	20.0
12 17	6 50.25	+22 32.2	2.381	3.337	4.8	19.8
12 27	6 41.59	+22 46.0	2.352	3.333	1.2	19.5
1 6	6 32.58	+22 58.7	2.353	3.330	2.4	19.6
1 16	6 24.09	+23 9.2	2.385	3.325	5.9	19.9
1 26	6 16.96	+23 17.4	2.445	3.321	9.1	20.1
2 5	6 11.78	+23 23.6	2.530	3.316	11.8	20.2
204274 2004 FL_{142}		12 30.4 187°.37	5°.2/31.5 18			
11 27	6 59.51	+ 4 10.6	2.914	3.688	10.7	20.3
12 7	6 54.57	+ 3 40.6	2.833	3.687	8.7	20.2
12 17	6 48.25	+ 3 21.3	2.777	3.687	6.7	20.1
12 27	6 41.06	+ 3 14.1	2.749	3.686	5.4	20.0
1 6	6 33.63	+ 3 19.4	2.750	3.685	5.5	20.0
1 16	6 26.61	+ 3 36.7	2.779	3.684	6.9	20.1
1 26	6 20.62	+ 4 4.3	2.837	3.682	8.9	20.2
2 5	6 16.12	+ 4 39.7	2.918	3.681	10.9	20.3
15562 2000 GF_{48}		12 30.4 231°.34	4°.1/29.4 18			
11 27	7 6.10	+36 41.2	2.826	3.631	10.2	17.9
12 7	6 59.85	+37 22.2	2.738	3.621	8.0	17.7
12 17	6 51.58	+37 57.1	2.675	3.610	5.7	17.6
12 27	6 41.95	+38 22.0	2.641	3.599	4.2	17.5
1 6	6 31.86	+38 34.0	2.638	3.587	4.8	17.5
1 16	6 22.30	+38 32.5	2.664	3.575	6.9	17.6
1 26	6 14.19	+38 18.8	2.718	3.562	9.3	17.7
2 5	6 8.20	+37 55.8	2.796	3.550	11.6	17.9

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
322132 2010 VP_{182}		12 30.4 202°.47	0°.9/30.5 18			
	h m	° ′			°	m
11 27	7 5.50	+21 0.5	2.262	3.081	12.0	21.0
12 7	6 59.40	+20 45.5	2.178	3.078	8.9	20.8
12 17	6 51.28	+20 32.2	2.120	3.075	5.4	20.6
12 27	6 41.86	+20 19.8	2.091	3.071	1.7	20.3
1 6	6 32.10	+20 7.8	2.091	3.067	2.8	20.4
1 16	6 22.98	+19 56.2	2.123	3.063	6.5	20.7
1 26	6 15.42	+19 45.7	2.182	3.058	10.0	20.9
2 5	6 10.04	+19 36.7	2.265	3.053	12.9	21.1
190549 2000 SP_{37}		12 30.4 54°.71	3°.8/29.8 18			
11 27	7 9.04	+29 54.2	1.448	2.289	16.3	19.0
12 7	7 3.06	+30 44.9	1.392	2.301	12.2	18.8
12 17	6 53.85	+31 32.3	1.358	2.313	7.7	18.5
12 27	6 42.55	+32 9.5	1.350	2.325	4.1	18.4
1 6	6 30.81	+32 31.9	1.369	2.338	5.4	18.5
1 16	6 20.33	+32 38.1	1.415	2.351	9.5	18.7
1 26	6 12.55	+32 30.8	1.485	2.364	13.6	19.0
2 5	6 8.24	+32 14.2	1.576	2.377	17.1	19.3
494774 2006 JF_{33}		12 30.4 272°.41	4°.6/31.3 18			
11 27	7 0.93	+ 8 26.3	2.347	3.145	12.3	22.0
12 7	6 55.98	+ 8 10.5	2.261	3.137	9.7	21.8
12 17	6 49.25	+ 8 5.5	2.199	3.130	7.0	21.6
12 27	6 41.35	+ 8 12.5	2.164	3.122	4.9	21.5
1 6	6 33.07	+ 8 31.3	2.158	3.114	5.1	21.5
1 16	6 25.26	+ 9 0.7	2.181	3.106	7.4	21.6
1 26	6 18.75	+ 9 38.5	2.232	3.099	10.2	21.8
2 5	6 14.12	+10 22.0	2.306	3.091	12.8	21.9
43509 2001 CY_{44}		12 30.4 38°.96	3°.2/29.5 18			
11 27	7 7.69	+25 25.8	1.407	2.251	16.5	18.2
12 7	7 2.20	+26 59.0	1.350	2.262	12.2	18.0
12 17	6 53.45	+28 36.2	1.316	2.274	7.5	17.7
12 27	6 42.50	+30 8.7	1.309	2.287	3.4	17.5
1 6	6 30.91	+31 28.2	1.329	2.300	5.1	17.7
1 16	6 20.41	+32 29.9	1.377	2.313	9.6	17.9
1 26	6 12.52	+33 13.2	1.449	2.327	13.9	18.2
2 5	6 8.13	+33 41.1	1.541	2.342	17.4	18.5
180253 2003 UO_{314}		12 30.4 357°.64	1°.8/30.1 18			
11 27	7 6.96	+24 24.5	1.201	2.055	18.1	20.3
12 7	7 2.12	+25 9.4	1.135	2.053	13.5	20.0
12 17	6 53.62	+25 58.7	1.090	2.052	8.1	19.7
12 27	6 42.58	+26 46.3	1.070	2.051	2.6	19.4
1 6	6 30.74	+27 26.1	1.075	2.051	4.6	19.5
1 16	6 20.09	+27 54.5	1.105	2.051	10.3	19.8
1 26	6 12.35	+28 11.7	1.158	2.052	15.4	20.1
2 5	6 8.50	+28 20.0	1.230	2.054	19.6	20.4
169770 2002 PJ_{89}		12 30.4 359°.72	7°.5/30.7 18			
11 27	7 4.40	+ 6 29.2	1.745	2.547	15.7	19.7
12 7	6 58.94	+ 5 16.4	1.674	2.547	12.7	19.5
12 17	6 51.15	+ 4 16.5	1.625	2.547	9.7	19.3
12 27	6 41.87	+ 3 34.1	1.601	2.547	7.7	19.2
1 6	6 32.18	+ 3 11.5	1.605	2.547	8.0	19.2
1 16	6 23.27	+ 3 9.1	1.635	2.547	10.4	19.4
1 26	6 16.18	+ 3 24.8	1.690	2.547	13.4	19.5
2 5	6 11.59	+ 3 54.5	1.766	2.548	16.3	19.7
461305 2015 XO_{146}		12 30.4 125°.24	0°.5/30.5 18			
11 27	7 4.77	+20 18.4	2.069	2.893	12.7	21.5
12 7	6 59.03	+20 37.4	1.996	2.898	9.4	21.3
12 17	6 51.13	+21 0.6	1.948	2.904	5.6	21.1
12 27	6 41.86	+21 26.0	1.927	2.909	1.6	20.8
1 6	6 32.21	+21 51.3	1.937	2.914	2.8	20.9
1 16	6 23.26	+22 14.9	1.977	2.919	6.8	21.2
1 26	6 15.98	+22 35.9	2.043	2.923	10.4	21.4
2 5	6 11.03	+22 54.4	2.134	2.928	13.4	21.7
356395 2010 RH_{12}		12 30.4 176°.71	5°.8/29.7 18			
11 27	7 12.43	+40 52.8	2.316	3.113	12.4	20.9
12 7	7 4.83	+41 28.1	2.242	3.115	9.9	20.8
12 17	6 54.63	+41 52.3	2.193	3.116	7.5	20.6
12 27	6 42.76	+41 59.8	2.171	3.117	5.9	20.5
1 6	6 30.51	+41 47.9	2.179	3.117	6.4	20.6
1 16	6 19.24	+41 16.9	2.215	3.117	8.5	20.7
1 26	6 10.10	+40 30.7	2.278	3.117	11.1	20.8
2 5	6 3.81	+39 34.6	2.364	3.116	13.5	21.0
326598 2002 RH_4		12 30.4 163°.72	5°.5/31.6 17			
11 27	7 0.89	+ 2 43.4	2.958	3.722	10.8	22.3
12 7	6 55.53	+ 2 12.3	2.881	3.727	8.9	22.2
12 17	6 48.81	+ 1 52.5	2.830	3.731	7.0	22.0
12 27	6 41.23	+ 1 45.7	2.806	3.736	5.7	22.0
1 6	6 33.44	+ 1 52.0	2.811	3.739	5.7	22.0
1 16	6 26.08	+ 2 11.0	2.845	3.743	7.1	22.1
1 26	6 19.77	+ 2 40.7	2.907	3.746	9.0	22.2
2 5	6 14.95	+ 3 18.6	2.994	3.748	10.9	22.3

40023 ANPCEN 12 30.4 162°.34 0°.9/30.5 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
11 27	7 7.03	+20 14.0	2.362	3.175	11.7	19.8
12 7	7 0.40	+20 13.7	2.285	3.182	8.7	19.6
12 17	6 51.82	+20 16.2	2.235	3.188	5.2	19.4
12 27	6 42.02	+20 20.0	2.214	3.194	1.6	19.2
1 6	6 31.94	+20 24.3	2.224	3.199	2.6	19.2
1 16	6 22.52	+20 28.2	2.264	3.203	6.2	19.5
1 26	6 14.63	+20 31.8	2.334	3.207	9.5	19.7
2 5	6 8.88	+20 35.4	2.428	3.210	12.3	19.9

7434 Osaka 12 30.4 34°.12 2°.4/30.9 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 27	7 6.11	+15 10.2	1.188	2.034	18.8	16.6
12 7	7 1.18	+15 46.8	1.130	2.041	14.2	16.3
12 17	6 52.90	+16 39.1	1.092	2.049	8.8	16.0
12 27	6 42.38	+17 43.5	1.078	2.058	3.4	15.8
1 6	6 31.27	+18 54.2	1.090	2.067	4.4	15.9
1 16	6 21.33	+20 5.2	1.128	2.077	9.8	16.2
1 26	6 14.11	+21 11.9	1.189	2.087	14.8	16.5
2 5	6 10.48	+22 11.9	1.271	2.097	18.9	16.8

307281 2002 PG_{62} 12 30.4 205°.12 3°.5/31.3 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 27	7 5.05	+11 13.4	2.169	2.972	13.0	21.3
12 7	6 59.18	+11 22.8	2.083	2.968	10.0	21.1
12 17	6 51.24	+11 43.2	2.022	2.963	6.7	20.9
12 27	6 41.92	+12 14.4	1.988	2.957	3.9	20.7
1 6	6 32.13	+12 54.6	1.985	2.952	4.2	20.7
1 16	6 22.87	+13 41.6	2.011	2.945	7.3	20.9
1 26	6 15.10	+14 32.8	2.066	2.938	10.6	21.1
2 5	6 9.51	+15 25.4	2.144	2.931	13.6	21.3

20624 Dariozanetti 12 30.4 328°.24 7°.6/28.4 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 27	7 9.04	+36 51.4	1.543	2.374	15.9	17.6
12 7	7 3.66	+38 30.1	1.471	2.367	12.6	17.4
12 17	6 54.63	+40 2.8	1.422	2.359	9.4	17.2
12 27	6 42.90	+41 18.8	1.399	2.352	7.6	17.0
1 6	6 30.14	+42 9.8	1.402	2.346	8.7	17.1
1 16	6 18.31	+42 32.5	1.430	2.339	11.8	17.2
1 26	6 9.27	+42 29.8	1.482	2.334	15.2	17.4
2 5	6 4.11	+42 8.1	1.553	2.329	18.4	17.6

280524 2004 PR_{97} 12 30.4 78°.53 1°.5/30.6 16

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 27	7 9.19	+19 6.9	1.562	2.391	15.9	21.1
12 7	7 2.52	+19 7.0	1.511	2.415	11.7	20.9
12 17	6 53.23	+19 12.8	1.484	2.439	7.1	20.7
12 27	6 42.39	+19 22.5	1.483	2.463	2.4	20.5
1 6	6 31.38	+19 34.1	1.511	2.487	3.5	20.6
1 16	6 21.57	+19 46.4	1.566	2.510	8.1	20.9
1 26	6 14.08	+19 58.8	1.648	2.533	12.2	21.2
2 5	6 9.52	+20 11.2	1.752	2.555	15.5	21.5

118208 1995 TH_{10} 12 30.4 48°.48 0°.3/30.5 17

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 27	7 4.52	+21 59.0	1.898	2.729	13.4	20.0
12 7	6 58.99	+22 2.4	1.828	2.734	9.9	19.7
12 17	6 51.17	+22 8.3	1.782	2.740	5.9	19.5
12 27	6 41.90	+22 14.8	1.764	2.745	1.6	19.2
1 6	6 32.28	+22 20.5	1.774	2.751	2.9	19.3
1 16	6 23.46	+22 24.4	1.813	2.757	7.1	19.6
1 26	6 16.48	+22 26.8	1.879	2.763	10.9	19.9
2 5	6 12.00	+22 28.2	1.968	2.769	14.1	20.1

400570 2008 XP_{53} 12 30.4 248°.04 1°.3/30.8 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 27	7 5.97	+17 5.9	1.928	2.748	13.7	21.8
12 7	7 0.26	+17 38.8	1.838	2.737	10.3	21.6
12 17	6 52.09	+18 20.9	1.771	2.725	6.3	21.3
12 27	6 42.19	+19 9.7	1.733	2.713	2.2	21.0
1 6	6 31.62	+20 1.9	1.725	2.701	3.2	21.1
1 16	6 21.58	+20 54.2	1.746	2.688	7.5	21.3
1 26	6 13.25	+21 44.2	1.794	2.675	11.5	21.5
2 5	6 7.46	+22 30.5	1.866	2.662	15.0	21.7

382341 2013 TZ_{52} 12 30.4 194°.59 0°.0/30.2 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 27	7 10.53	+23 48.5	1.478	2.313	16.3	20.6
12 7	7 4.08	+23 38.0	1.404	2.313	12.2	20.4
12 17	6 54.49	+23 27.7	1.353	2.312	7.3	20.1
12 27	6 42.82	+23 15.3	1.329	2.310	1.9	19.8
1 6	6 30.60	+22 59.5	1.332	2.309	3.6	19.9
1 16	6 19.49	+22 40.7	1.363	2.307	8.9	20.2
1 26	6 10.91	+22 20.7	1.419	2.305	13.6	20.5
2 5	6 5.69	+22 1.8	1.496	2.303	17.6	20.7

42405 9085 P–L 12 30.4 111°.94 2°.7/30.1 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 27	7 13.85	+28 32.2	1.562	2.391	15.9	19.9
12 7	7 6.27	+29 1.8	1.507	2.410	11.8	19.7
12 17	6 55.61	+29 28.2	1.474	2.429	7.3	19.5
12 27	6 43.07	+29 45.9	1.468	2.446	3.1	19.3
1 6	6 30.23	+29 51.7	1.492	2.464	4.4	19.4
1 16	6 18.74	+29 45.3	1.543	2.480	8.8	19.7
1 26	6 9.91	+29 29.6	1.620	2.496	12.8	20.0
2 5	6 4.46	+29 8.6	1.719	2.511	16.2	20.3

68904 2002 JU_{103} 12 30.4 92°.17 0°.0/30.4 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
11 27	7 4.68	+21 58.7	2.355	3.174	11.5	19.8
12 7	6 58.63	+22 13.6	2.294	3.194	8.5	19.6
12 17	6 50.76	+22 30.4	2.259	3.215	5.0	19.4
12 27	6 41.79	+22 47.3	2.253	3.234	1.3	19.2
1 6	6 32.63	+23 2.7	2.278	3.254	2.4	19.3
1 16	6 24.19	+23 15.5	2.333	3.273	6.0	19.6
1 26	6 17.28	+23 25.6	2.416	3.292	9.1	19.8
2 5	6 12.43	+23 33.5	2.524	3.311	11.8	20.0

340259 2006 BG_{151} 12 30.4 125°.02 1°.1/30.2 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 27	7 8.16	+24 37.9	1.691	2.523	14.7	20.8
12 7	7 2.03	+25 4.8	1.621	2.528	10.9	20.5
12 17	6 53.16	+25 33.0	1.576	2.533	6.5	20.3
12 27	6 42.47	+25 58.8	1.557	2.538	2.0	20.0
1 6	6 31.32	+26 18.8	1.567	2.543	3.5	20.1
1 16	6 21.10	+26 31.5	1.605	2.547	8.1	20.4
1 26	6 13.08	+26 37.5	1.670	2.551	12.2	20.7
2 5	6 8.01	+26 38.5	1.756	2.555	15.7	20.9

389915 2012 TG_{87} 12 30.4 330°.93 5°.1/29.7 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 27	7 9.29	+32 56.4	1.471	2.309	16.3	20.5
12 7	7 3.59	+33 45.7	1.400	2.305	12.4	20.3
12 17	6 54.41	+34 29.3	1.352	2.302	8.3	20.0
12 27	6 42.85	+34 59.9	1.328	2.299	5.3	19.9
1 6	6 30.57	+35 12.0	1.332	2.296	6.4	19.9
1 16	6 19.41	+35 4.5	1.361	2.293	10.3	20.1
1 26	6 11.00	+34 40.9	1.415	2.290	14.4	20.4
2 5	6 6.27	+34 6.7	1.489	2.288	18.0	20.6

216652 2003 UG_{15} 12 30.4 177°.69 4°.2/29.8 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 27	7 14.34	+32 56.5	1.933	2.747	13.9	21.9
12 7	7 6.56	+33 41.3	1.857	2.750	10.6	21.7
12 17	6 55.85	+34 20.4	1.807	2.752	7.0	21.5
12 27	6 43.18	+34 47.8	1.784	2.753	4.3	21.3
1 6	6 29.96	+34 59.2	1.792	2.754	5.3	21.4
1 16	6 17.70	+34 54.0	1.829	2.753	8.6	21.6
1 26	6 7.75	+34 35.0	1.892	2.751	12.1	21.8
2 5	6 0.92	+34 6.8	1.979	2.749	15.2	22.0

345436 2006 DB_{132} 12 30.4 35°.55 0°.4/30.4 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 27	7 6.31	+22 10.6	1.191	2.045	18.2	20.3
12 7	7 1.24	+22 41.3	1.143	2.061	13.4	20.0
12 17	6 52.86	+23 17.3	1.117	2.078	7.9	19.8
12 27	6 42.40	+23 53.6	1.114	2.096	2.0	19.5
1 6	6 31.59	+24 25.9	1.137	2.115	3.9	19.7
1 16	6 22.19	+24 51.5	1.186	2.134	9.4	20.0
1 26	6 15.62	+25 10.2	1.258	2.155	14.2	20.4
2 5	6 12.59	+25 23.2	1.350	2.176	18.1	20.7

283776 2003 OR_{9} 12 30.4 115°.86 2°.1/30.8 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 27	7 7.14	+16 39.3	1.881	2.700	14.0	20.8
12 7	7 0.82	+16 41.9	1.817	2.714	10.5	20.6
12 17	6 52.22	+16 51.6	1.777	2.728	6.5	20.4
12 27	6 42.21	+17 7.1	1.764	2.742	2.7	20.2
1 6	6 31.92	+17 26.7	1.781	2.755	3.5	20.3
1 16	6 22.47	+17 49.0	1.827	2.768	7.4	20.6
1 26	6 14.90	+18 12.5	1.901	2.780	11.1	20.8
2 5	6 9.83	+18 36.4	1.997	2.792	14.2	21.0

442851 2013 AX_{123} 12 30.4 35°.69 0°.6/30.3 17

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 27	7 5.93	+22 34.6	1.343	2.190	16.9	21.0
12 7	7 0.77	+23 8.3	1.288	2.203	12.5	20.8
12 17	6 52.53	+23 46.5	1.256	2.216	7.4	20.6
12 27	6 42.34	+24 24.7	1.249	2.231	2.0	20.3
1 6	6 31.73	+24 58.5	1.268	2.245	3.7	20.4
1 16	6 22.33	+25 25.4	1.314	2.261	8.9	20.8
1 26	6 15.49	+25 45.1	1.384	2.277	13.5	21.1
2 5	6 11.96	+25 58.8	1.475	2.293	17.2	21.4

312309 2008 CF_{71} 12 30.4 352°.53 1°.3/30.6 17

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 27	7 3.11	+20 25.5	1.436	2.282	16.1	20.6
12 7	6 58.66	+20 17.0	1.364	2.277	12.0	20.4
12 17	6 51.32	+20 13.2	1.313	2.273	7.3	20.1
12 27	6 42.05	+20 12.9	1.288	2.269	2.3	19.8
1 6	6 32.22	+20 14.8	1.290	2.267	3.7	19.9
1 16	6 23.32	+20 18.0	1.317	2.265	8.8	20.2
1 26	6 16.70	+20 22.3	1.369	2.264	13.4	20.4
2 5	6 13.16	+20 27.5	1.442	2.264	17.3	20.7

204987 1995 UN_{40} 12 30.4 311°.81 6°.7/29.4 17

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 27	7 8.65	+36 33.1	1.505	2.339	16.2	19.9
12 7	7 3.44	+37 28.4	1.421	2.320	12.7	19.6
12 17	6 54.55	+38 15.9	1.359	2.301	9.2	19.4
12 27	6 42.97	+38 46.8	1.321	2.283	6.8	19.2
1 6	6 30.37	+38 54.7	1.309	2.264	7.8	19.2
1 16	6 18.72	+38 37.9	1.323	2.247	11.3	19.4
1 26	6 9.85	+38 0.2	1.361	2.230	15.3	19.6
2 5	6 4.87	+37 8.8	1.418	2.213	18.9	19.7

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
80879 2000 DB_{39}			12 30.4 100°.15		2°.1/30.3 18	
	h m	° ′			°	m
11 27	7 10.56	+27 48.7	1.523	2.358	15.9	19.6
12 7	7 4.02	+28 0.9	1.459	2.366	11.8	19.4
12 17	6 54.40	+28 10.4	1.418	2.374	7.2	19.2
12 27	6 42.82	+28 12.8	1.403	2.382	2.7	18.9
1 6	6 30.85	+28 5.7	1.416	2.390	4.1	19.0
1 16	6 20.09	+27 49.3	1.456	2.398	8.8	19.3
1 26	6 11.89	+27 26.2	1.522	2.405	13.1	19.6
2 5	6 7.02	+26 59.9	1.610	2.413	16.7	19.8
361818 2008 CF_{101}			12 30.4 257°.68		2°.6/30.0 17	
11 27	7 6.96	+28 53.7	1.906	2.735	13.5	21.9
12 7	7 1.08	+29 22.7	1.826	2.730	10.1	21.6
12 17	6 52.60	+29 49.5	1.771	2.725	6.3	21.4
12 27	6 42.38	+30 9.9	1.743	2.720	2.9	21.2
1 6	6 31.61	+30 20.8	1.744	2.716	4.0	21.2
1 16	6 21.63	+30 21.0	1.774	2.711	7.9	21.5
1 26	6 13.64	+30 12.1	1.831	2.706	11.6	21.7
2 5	6 8.42	+29 56.7	1.909	2.701	14.9	21.9
357490 2004 KN_{9}			12 30.4 193°.15		2°.8/29.8 18	
11 27	7 7.25	+31 32.6	2.734	3.544	10.4	22.4
12 7	7 0.64	+32 7.9	2.650	3.542	7.8	22.2
12 17	6 52.07	+32 39.6	2.592	3.539	5.1	22.0
12 27	6 42.21	+33 4.3	2.564	3.535	2.9	21.9
1 6	6 31.94	+33 19.6	2.567	3.531	3.7	21.9
1 16	6 22.22	+33 24.5	2.601	3.526	6.3	22.1
1 26	6 13.94	+33 19.9	2.663	3.520	9.1	22.3
2 5	6 7.74	+33 8.2	2.750	3.514	11.5	22.4
452099 2014 QJ_{83}			12 30.4 93°.88		1°.1/30.5 18	
11 27	7 5.63	+21 6.5	1.991	2.816	13.1	20.8
12 7	6 59.69	+20 46.4	1.918	2.821	9.7	20.6
12 17	6 51.57	+20 28.1	1.870	2.826	5.9	20.4
12 27	6 42.07	+20 11.1	1.850	2.830	1.8	20.1
1 6	6 32.28	+19 55.0	1.859	2.835	3.0	20.2
1 16	6 23.29	+19 40.1	1.898	2.840	7.0	20.5
1 26	6 16.08	+19 27.0	1.964	2.845	10.7	20.7
2 5	6 11.27	+19 16.3	2.053	2.850	13.8	20.9
277848 2006 HS_{101}			12 30.4 300°.82		2°.4/30.9 18	
11 27	7 1.85	+15 42.3	2.218	3.037	12.2	21.3
12 7	6 56.83	+15 36.4	2.134	3.030	9.2	21.1
12 17	6 49.88	+15 37.1	2.074	3.024	5.9	20.9
12 27	6 41.66	+15 44.1	2.042	3.017	2.8	20.6
1 6	6 33.04	+15 56.6	2.039	3.011	3.4	20.7
1 16	6 24.96	+16 13.4	2.066	3.005	6.7	20.9
1 26	6 18.31	+16 33.6	2.120	2.999	10.1	21.1
2 5	6 13.71	+16 55.8	2.197	2.993	13.0	21.3
320960 2008 HN_{24}			12 30.4 254°.50		2°.3/30.9 18	
11 27	7 3.72	+15 5.4	2.190	3.004	12.5	21.4
12 7	6 58.32	+15 15.0	2.097	2.991	9.5	21.2
12 17	6 50.84	+15 32.8	2.029	2.978	6.0	21.0
12 27	6 41.93	+15 57.8	1.989	2.965	2.8	20.7
1 6	6 32.50	+16 28.7	1.979	2.951	3.4	20.8
1 16	6 23.54	+17 3.3	1.998	2.938	6.9	21.0
1 26	6 16.03	+17 39.9	2.046	2.924	10.4	21.1
2 5	6 10.68	+18 17.0	2.117	2.910	13.6	21.3
365046 2008 UK_{312}			12 30.4 105°.29		2°.7/30.8 18	
11 27	7 3.29	+15 21.0	2.380	3.191	11.7	21.0
12 7	6 57.60	+14 54.2	2.310	3.202	8.8	20.8
12 17	6 50.18	+14 32.7	2.265	3.212	5.7	20.7
12 27	6 41.70	+14 17.1	2.249	3.222	3.0	20.5
1 6	6 33.02	+14 7.4	2.263	3.232	3.6	20.6
1 16	6 24.98	+14 3.5	2.307	3.241	6.4	20.8
1 26	6 18.34	+14 4.8	2.378	3.251	9.4	21.0
2 5	6 13.64	+14 10.4	2.474	3.260	12.0	21.2
354632 2005 GJ_{43}			12 30.4 315°.85		9°.2/29.5 17	
11 27	7 12.41	+43 53.5	1.584	2.397	16.5	20.0
12 7	7 6.29	+44 48.9	1.507	2.383	13.6	19.8
12 17	6 56.23	+45 28.6	1.451	2.370	10.9	19.6
12 27	6 43.40	+45 42.9	1.420	2.358	9.3	19.4
1 6	6 29.73	+45 25.8	1.414	2.345	9.9	19.4
1 16	6 17.37	+44 37.5	1.432	2.334	12.4	19.6
1 26	6 8.19	+43 24.5	1.474	2.322	15.5	19.7
2 5	6 3.16	+41 56.6	1.536	2.311	18.6	19.9
30052 2000 EW_{41}			12 30.4 117°.32		2°.7/30.9 18	
11 27	7 9.14	+14 57.2	1.906	2.717	14.2	19.1
12 7	7 2.17	+14 54.8	1.846	2.738	10.7	18.9
12 17	6 52.97	+15 0.4	1.811	2.759	6.8	18.7
12 27	6 42.43	+15 13.3	1.804	2.779	3.3	18.5
1 6	6 31.68	+15 32.0	1.827	2.798	3.8	18.6
1 16	6 21.84	+15 54.9	1.879	2.816	7.4	18.9
1 26	6 13.91	+16 20.4	1.959	2.834	11.0	19.1
2 5	6 8.47	+16 47.2	2.062	2.851	14.0	19.3

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
25947 2001 EQ_{14}			12 30.4 133°.06		2°.9/31.3 18	
	h m	° ′			°	m
11 27	7 6.04	+12 39.7	2.077	2.884	13.3	18.8
12 7	6 59.91	+13 2.4	2.006	2.894	10.1	18.6
12 17	6 51.68	+13 35.8	1.960	2.905	6.6	18.4
12 27	6 42.13	+14 18.5	1.942	2.915	3.4	18.2
1 6	6 32.21	+15 7.9	1.954	2.925	3.7	18.2
1 16	6 22.98	+16 1.2	1.996	2.934	7.0	18.5
1 26	6 15.38	+16 55.5	2.066	2.942	10.5	18.7
2 5	6 10.03	+17 48.6	2.161	2.951	13.4	18.9
42448 3393 $T\text{-}_{3}$			12 30.4 132°.89		4°.2/31.2 18	
11 27	7 2.28	+ 9 39.1	2.435	3.232	11.9	19.1
12 7	6 56.85	+ 9 16.9	2.362	3.239	9.3	18.9
12 17	6 49.75	+ 9 4.0	2.313	3.246	6.6	18.8
12 27	6 41.61	+ 9 1.4	2.293	3.253	4.5	18.7
1 6	6 33.21	+ 9 9.1	2.302	3.259	4.7	18.7
1 16	6 25.38	+ 9 26.0	2.340	3.265	6.9	18.8
1 26	6 18.85	+ 9 50.7	2.406	3.271	9.6	19.0
2 5	6 14.17	+10 20.9	2.497	3.277	12.1	19.2
409508 2005 SB_{286}			12 30.4 155°.46		1°.3/30.1 18	
11 27	7 6.19	+25 35.3	2.490	3.306	11.1	22.3
12 7	6 59.88	+26 9.2	2.415	3.314	8.2	22.1
12 17	6 51.62	+26 43.2	2.366	3.320	4.9	21.9
12 27	6 42.12	+27 14.5	2.347	3.327	1.7	21.7
1 6	6 32.26	+27 40.5	2.359	3.333	2.8	21.8
1 16	6 23.02	+27 59.9	2.402	3.338	6.1	22.0
1 26	6 15.26	+28 12.7	2.473	3.343	9.2	22.2
2 5	6 9.59	+28 20.1	2.569	3.347	11.9	22.4
358264 2006 TO_{71}			12 30.4 105°.91		4°.0/30.9 18	
11 27	7 4.62	+12 53.3	1.919	2.733	14.0	20.8
12 7	6 58.97	+12 24.8	1.848	2.739	10.7	20.6
12 17	6 51.17	+12 5.0	1.800	2.744	7.2	20.4
12 27	6 42.01	+11 55.0	1.780	2.749	4.3	20.2
1 6	6 32.52	+11 54.9	1.789	2.755	4.8	20.3
1 16	6 23.77	+12 3.9	1.826	2.760	7.9	20.5
1 26	6 16.75	+12 20.6	1.890	2.765	11.3	20.7
2 5	6 12.08	+12 43.0	1.976	2.770	14.4	20.9
517260 2014 DQ_{139}			12 30.4 270°.41		1°.6/30.7 18	
11 27	7 6.60	+18 47.0	1.677	2.507	15.0	21.4
12 7	7 1.08	+18 48.2	1.587	2.491	11.3	21.1
12 17	6 52.78	+18 55.6	1.520	2.475	6.9	20.8
12 27	6 42.50	+19 7.9	1.479	2.459	2.4	20.5
1 6	6 31.47	+19 23.3	1.466	2.442	3.6	20.5
1 16	6 21.08	+19 40.1	1.482	2.426	8.4	20.8
1 26	6 12.69	+19 57.5	1.523	2.409	12.9	21.0
2 5	6 7.21	+20 15.2	1.587	2.392	16.8	21.2
42018 2000 YK_{78}			12 30.4 62°.05		0°.8/30.3 18	
11 27	7 7.95	+24 24.3	1.524	2.362	15.8	18.7
12 7	7 1.99	+24 39.1	1.465	2.375	11.6	18.5
12 17	6 53.16	+24 54.9	1.429	2.388	6.9	18.3
12 27	6 42.53	+25 8.4	1.419	2.400	1.9	18.0
1 6	6 31.57	+25 16.7	1.437	2.413	3.5	18.1
1 16	6 21.74	+25 19.2	1.482	2.427	8.3	18.5
1 26	6 14.31	+25 16.8	1.553	2.440	12.6	18.7
2 5	6 9.99	+25 11.3	1.645	2.453	16.2	19.0
227149 2005 PE_{14}			12 30.4 101°.29		0°.2/30.5 18	
11 27	7 10.45	+21 13.0	1.620	2.448	15.5	21.1
12 7	7 3.57	+21 32.1	1.563	2.468	11.4	20.9
12 17	6 53.98	+21 55.3	1.530	2.487	6.8	20.7
12 27	6 42.73	+22 19.3	1.525	2.506	1.8	20.4
1 6	6 31.21	+22 41.3	1.548	2.525	3.3	20.6
1 16	6 20.81	+22 59.6	1.600	2.543	8.0	20.9
1 26	6 12.73	+23 14.1	1.679	2.561	12.1	21.2
2 5	6 7.63	+23 25.7	1.779	2.578	15.5	21.5
370617 2003 YL_{19}			12 30.4 26°.71		0°.6/30.3 17	
11 27	7 3.18	+23 19.5	1.987	2.818	12.9	20.7
12 7	6 58.04	+23 46.2	1.917	2.823	9.5	20.5
12 17	6 50.68	+24 15.2	1.871	2.829	5.6	20.3
12 27	6 41.90	+24 43.8	1.853	2.835	1.5	20.0
1 6	6 32.73	+25 9.2	1.865	2.841	2.9	20.1
1 16	6 24.30	+25 29.7	1.905	2.848	6.9	20.4
1 26	6 17.59	+25 45.2	1.972	2.854	10.6	20.6
2 5	6 13.28	+25 56.3	2.062	2.862	13.6	20.8
354450 2004 BB_{7}			12 30.4 50°.61		2°.3/30.1 18	
11 27	7 8.06	+27 14.3	1.490	2.331	15.9	20.6
12 7	7 2.12	+27 46.7	1.439	2.349	11.8	20.4
12 17	6 53.24	+28 17.7	1.410	2.368	7.1	20.1
12 27	6 42.56	+28 42.3	1.407	2.387	2.8	19.9
1 6	6 31.58	+28 57.0	1.432	2.406	4.2	20.1
1 16	6 21.86	+29 1.1	1.484	2.426	8.6	20.4
1 26	6 14.64	+28 56.3	1.561	2.445	12.7	20.7
2 5	6 10.62	+28 45.5	1.660	2.466	16.1	20.9

158450 2002 CO_{121} 12 30.4 54.°38 1.°6/30.7 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
11 27	7 8.38	+19 6.9	1.324	2.165	17.5	19.4
12 7	7 2.33	+19 8.2	1.278	2.188	13.0	19.2
12 17	6 53.32	+19 16.4	1.255	2.212	7.8	19.0
12 27	6 42.56	+19 29.3	1.256	2.237	2.6	18.7
1 6	6 31.63	+19 44.6	1.284	2.261	3.8	18.9
1 16	6 22.06	+20 0.5	1.339	2.286	8.8	19.2
1 26	6 15.10	+20 16.4	1.419	2.311	13.3	19.5
2 5	6 11.37	+20 31.8	1.520	2.335	16.9	19.8

486258 2013 BW_{75} 12 30.4 288.°12 0.°1/30.5 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 27	7 5.53	+20 51.7	1.722	2.555	14.5	21.4
12 7	7 0.22	+21 20.4	1.639	2.546	10.8	21.2
12 17	6 52.23	+21 55.0	1.580	2.537	6.5	20.9
12 27	6 42.37	+22 32.6	1.547	2.529	1.7	20.6
1 6	6 31.84	+23 9.6	1.543	2.520	3.2	20.7
1 16	6 22.00	+23 43.2	1.567	2.512	8.0	20.9
1 26	6 14.13	+24 12.2	1.618	2.503	12.3	21.2
2 5	6 9.08	+24 36.6	1.690	2.495	15.9	21.4

259467 2003 SD_{142} 12 30.4 34.°64 2.°2/30.2 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 27	7 8.01	+25 29.6	1.067	1.927	19.4	20.1
12 7	7 3.00	+26 7.0	1.018	1.938	14.4	19.9
12 17	6 54.17	+26 46.1	0.989	1.950	8.6	19.6
12 27	6 42.86	+27 20.4	0.983	1.963	3.0	19.3
1 6	6 31.09	+27 44.4	1.001	1.977	4.8	19.5
1 16	6 20.90	+27 56.3	1.045	1.992	10.5	19.9
1 26	6 13.96	+27 57.9	1.110	2.008	15.6	20.2
2 5	6 11.04	+27 52.4	1.194	2.024	19.7	20.5

78509 2002 RM_{85} 12 30.4 274.°18 5.°5/29.6 17

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 27	7 9.84	+36 25.7	1.848	2.668	14.2	19.4
12 7	7 3.62	+37 9.4	1.765	2.657	11.1	19.1
12 17	6 54.34	+37 45.1	1.706	2.645	7.9	18.9
12 27	6 42.94	+38 6.3	1.673	2.634	5.7	18.8
1 6	6 30.83	+38 8.4	1.668	2.622	6.5	18.8
1 16	6 19.61	+37 50.8	1.690	2.611	9.5	18.9
1 26	6 10.72	+37 16.7	1.738	2.599	12.9	19.1
2 5	6 5.06	+36 31.8	1.808	2.587	16.1	19.3

95806 2003 FV_{51} 12 30.4 157.°16 3.°7/30.1 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 27	7 10.04	+36 19.9	2.649	3.450	10.9	19.8
12 7	7 2.65	+36 33.5	2.575	3.458	8.4	19.6
12 17	6 53.22	+36 38.9	2.527	3.465	5.8	19.5
12 27	6 42.56	+36 33.1	2.509	3.471	3.9	19.4
1 6	6 31.67	+36 14.4	2.521	3.477	4.4	19.4
1 16	6 21.60	+35 43.5	2.563	3.483	6.7	19.6
1 26	6 13.24	+35 3.0	2.635	3.487	9.3	19.7
2 5	6 7.16	+34 16.7	2.730	3.492	11.6	19.9

47589 2000 AY_{201} 12 30.4 34.°69 11.°3/ 4.3 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 27	7 4.73	− 9 5.0	1.735	2.467	18.4	19.0
12 7	6 59.30	− 9 6.5	1.665	2.471	16.1	18.8
12 17	6 51.50	− 8 37.1	1.614	2.475	13.7	18.7
12 27	6 42.16	− 7 33.0	1.585	2.479	11.9	18.6
1 6	6 32.38	− 5 54.9	1.581	2.484	11.3	18.6
1 16	6 23.34	− 3 48.3	1.604	2.488	12.4	18.6
1 26	6 16.13	− 1 22.0	1.652	2.493	14.5	18.8
2 5	6 11.46	+ 1 13.6	1.723	2.498	16.9	19.0

318404 2004 XO_{183} 12 30.4 146.°65 1.°3/30.9 17

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 27	7 3.39	+16 32.0	2.614	3.422	10.8	20.5
12 7	6 57.69	+17 2.6	2.536	3.429	8.1	20.4
12 17	6 50.30	+17 39.5	2.485	3.436	5.0	20.2
12 27	6 41.82	+18 21.0	2.463	3.442	1.9	20.0
1 6	6 33.02	+19 4.8	2.473	3.448	2.5	20.0
1 16	6 24.71	+19 48.9	2.513	3.453	5.7	20.2
1 26	6 17.66	+20 31.6	2.583	3.458	8.7	20.4
2 5	6 12.42	+21 11.8	2.679	3.463	11.2	20.6

476494 2008 FS_{116} 12 30.4 247.°16 2.°4/30.1 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 27	7 10.14	+27 34.4	1.608	2.441	15.3	22.3
12 7	7 3.99	+28 6.0	1.524	2.430	11.5	22.0
12 17	6 54.65	+28 37.2	1.463	2.419	7.1	21.8
12 27	6 43.05	+29 2.6	1.428	2.407	2.9	21.5
1 6	6 30.64	+29 17.9	1.422	2.395	4.4	21.5
1 16	6 19.07	+29 21.5	1.444	2.383	9.0	21.8
1 26	6 9.89	+29 14.8	1.491	2.371	13.5	22.0
2 5	6 4.04	+29 1.2	1.559	2.358	17.3	22.2

460980 2014 WU_{330} 12 30.4 108.°87 4.°2/31.3 17

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 27	7 2.08	+ 9 49.3	2.370	3.169	12.1	22.1
12 7	6 56.76	+ 9 28.0	2.298	3.177	9.4	21.9
12 17	6 49.75	+ 9 16.3	2.251	3.185	6.6	21.8
12 27	6 41.67	+ 9 15.1	2.232	3.192	4.5	21.7
1 6	6 33.34	+ 9 24.2	2.242	3.200	4.7	21.7
1 16	6 25.59	+ 9 42.6	2.281	3.207	7.0	21.8
1 26	6 19.18	+10 8.7	2.348	3.215	9.7	22.0
2 5	6 14.64	+10 40.1	2.438	3.222	12.3	22.2

22895 1999 TV_5 12 30.4 76.°93 5.°8/31.1 18 R

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
11 27	7 7.13	+ 9 41.6	1.689	2.498	15.8	17.7
12 7	7 0.83	+ 8 51.5	1.637	2.520	12.3	17.5
12 17	6 52.23	+ 8 14.0	1.608	2.542	8.7	17.4
12 27	6 42.31	+ 7 51.5	1.605	2.564	6.1	17.2
1 6	6 32.23	+ 7 44.7	1.630	2.586	6.4	17.3
1 16	6 23.16	+ 7 52.4	1.683	2.608	9.2	17.5
1 26	6 16.10	+ 8 12.4	1.761	2.629	12.4	17.8
2 5	6 11.62	+ 8 41.2	1.861	2.650	15.3	18.0

451494 2011 UQ_{198} 12 30.4 12.°18 10.°3/30.4 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 27	7 4.75	+ 0 34.7	1.743	2.523	16.6	20.6
12 7	6 59.25	− 1 13.4	1.677	2.523	14.1	20.4
12 17	6 51.44	− 2 44.7	1.632	2.524	11.7	20.3
12 27	6 42.14	− 3 52.6	1.612	2.525	10.4	20.2
1 6	6 32.45	− 4 32.8	1.618	2.527	10.7	20.2
1 16	6 23.51	− 4 44.5	1.649	2.528	12.4	20.3
1 26	6 16.38	− 4 30.4	1.703	2.530	14.8	20.5
2 5	6 11.74	− 3 56.0	1.777	2.532	17.2	20.7

112938 2002 RK_4 12 30.4 217.°61 6.°2/31.1 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 27	7 4.61	+ 6 29.0	2.074	2.865	13.9	20.7
12 7	6 58.93	+ 5 42.9	1.991	2.860	11.2	20.5
12 17	6 51.19	+ 5 8.7	1.932	2.854	8.4	20.3
12 27	6 42.09	+ 4 49.4	1.900	2.847	6.5	20.2
1 6	6 32.55	+ 4 45.9	1.895	2.841	6.7	20.2
1 16	6 23.60	+ 4 58.1	1.919	2.833	8.9	20.3
1 26	6 16.17	+ 5 23.8	1.970	2.826	11.8	20.4
2 5	6 10.93	+ 5 59.8	2.043	2.818	14.6	20.6

244792 2003 SG_{215} 12 30.4 129.°57 15.°5/ 4.1 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 27	7 6.22	−25 23.1	2.277	2.865	17.8	21.9
12 7	7 0.00	−27 8.8	2.235	2.879	16.9	21.8
12 17	6 51.74	−28 24.5	2.209	2.892	16.1	21.8
12 27	6 42.21	−29 4.1	2.200	2.904	15.6	21.8
1 6	6 32.37	−29 5.1	2.209	2.916	15.5	21.8
1 16	6 23.21	−28 28.5	2.237	2.928	15.7	21.8
1 26	6 15.67	−27 18.9	2.283	2.939	16.3	21.9
2 5	6 10.35	−25 43.9	2.344	2.949	17.0	22.0

416683 2004 XB_{79} 12 30.4 332.°41 4.°1/29.0 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 27	7 5.11	+29 19.3	1.811	2.646	13.8	19.9
12 7	7 0.16	+30 48.7	1.729	2.634	10.4	19.7
12 17	6 52.36	+32 20.0	1.671	2.623	6.8	19.4
12 27	6 42.48	+33 45.9	1.640	2.612	4.2	19.2
1 6	6 31.72	+34 59.4	1.639	2.602	5.5	19.3
1 16	6 21.53	+35 55.9	1.665	2.592	9.1	19.5
1 26	6 13.32	+36 34.7	1.717	2.583	12.8	19.7
2 5	6 8.09	+36 58.2	1.791	2.575	16.0	19.9

312682 2010 NW_4 12 30.5 78.°22 7.°1/31.3 17

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 27	7 21.09	+44 59.2	1.883	2.670	15.3	20.1
12 7	7 11.32	+44 53.9	1.824	2.687	12.3	20.0
12 17	6 58.42	+44 29.1	1.789	2.705	9.4	19.8
12 27	6 43.88	+43 39.3	1.781	2.722	7.4	19.8
1 6	6 29.53	+42 23.9	1.801	2.740	7.5	19.8
1 16	6 17.04	+40 47.7	1.850	2.757	9.7	20.0
1 26	6 7.63	+38 58.9	1.927	2.775	12.4	20.2
2 5	6 1.79	+37 6.6	2.027	2.792	15.0	20.4

196818 2003 SJ_{231} 12 30.5 302.°45 8.°3/ 1.5 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 27	7 0.97	− 1 58.1	2.187	2.946	14.3	20.0
12 7	6 56.19	− 2 29.8	2.107	2.940	12.1	19.8
12 17	6 49.54	− 2 43.1	2.048	2.935	10.0	19.6
12 27	6 41.67	− 2 34.8	2.015	2.929	8.5	19.5
1 6	6 33.41	− 2 4.3	2.008	2.924	8.5	19.5
1 16	6 25.65	− 1 13.1	2.028	2.918	9.8	19.6
1 26	6 19.25	− 0 5.1	2.073	2.913	12.0	19.7
2 5	6 14.82	+ 1 14.4	2.141	2.908	14.3	19.9

455536 2004 CC_{19} 12 30.5 16.°26 2.°6/30.3 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 27	7 6.12	+31 34.3	2.089	2.914	12.6	20.7
12 7	7 0.16	+31 30.5	2.016	2.916	9.5	20.5
12 17	6 51.92	+31 20.6	1.967	2.919	6.0	20.3
12 27	6 42.27	+31 1.9	1.946	2.922	2.9	20.1
1 6	6 32.35	+30 33.6	1.954	2.925	3.8	20.1
1 16	6 23.30	+29 56.5	1.992	2.928	7.1	20.4
1 26	6 16.14	+29 13.5	2.056	2.932	10.5	20.6
2 5	6 11.48	+28 27.9	2.145	2.936	13.4	20.8

421753 2014 PW_{55} 12 30.5 58.°27 2.°1/30.9 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 27	7 4.77	+15 57.8	1.875	2.697	13.9	21.0
12 7	6 59.03	+16 9.9	1.822	2.721	10.4	20.8
12 17	6 51.18	+16 30.0	1.794	2.746	6.4	20.7
12 27	6 42.07	+16 56.5	1.793	2.771	2.7	20.5
1 6	6 32.77	+17 27.2	1.821	2.795	3.4	20.6
1 16	6 24.35	+18 0.0	1.878	2.820	7.1	20.8
1 26	6 17.74	+18 33.1	1.962	2.845	10.6	21.1
2 5	6 13.50	+19 5.3	2.069	2.870	13.6	21.4

111462 2001 XR_{259} 12 30.5 60°.80 1°.1/30.7 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
11 27	7 4.72	+18 48.0	1.838	2.666	13.9	19.7
12 7	6 59.26	+19 4.6	1.770	2.673	10.3	19.5
12 17	6 51.47	+19 27.4	1.725	2.681	6.3	19.3
12 27	6 42.18	+19 54.3	1.708	2.688	2.0	19.0
1 6	6 32.50	+20 23.0	1.719	2.696	3.1	19.1
1 16	6 23.61	+20 51.3	1.760	2.703	7.3	19.4
1 26	6 16.56	+21 18.0	1.826	2.711	11.1	19.7
2 5	6 12.04	+21 42.6	1.916	2.719	14.4	19.9

260597 2005 FM_{11} 12 30.5 331°.64 1°.0/30.7 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 27	7 5.50	+18 27.7	1.202	2.053	18.3	19.9
12 7	7 1.10	+19 0.7	1.130	2.045	13.8	19.6
12 17	6 53.19	+19 45.9	1.077	2.037	8.4	19.3
12 27	6 42.73	+20 39.7	1.049	2.030	2.5	18.9
1 6	6 31.36	+21 36.8	1.046	2.023	4.1	19.0
1 16	6 20.93	+22 31.9	1.068	2.018	10.0	19.3
1 26	6 13.20	+23 21.9	1.113	2.012	15.4	19.6
2 5	6 9.22	+24 5.4	1.178	2.008	19.9	19.9

164103 2003 XG_{5} 12 30.5 97°.77 4°.4/29.5 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 27	7 11.77	+32 52.4	1.955	2.773	13.6	19.5
12 7	7 4.51	+33 58.0	1.902	2.796	10.3	19.3
12 17	6 54.58	+34 57.9	1.874	2.818	6.9	19.1
12 27	6 42.98	+35 45.9	1.874	2.840	4.5	19.0
1 6	6 31.04	+36 17.5	1.904	2.862	5.4	19.1
1 16	6 20.14	+36 31.9	1.962	2.883	8.3	19.3
1 26	6 11.46	+36 31.2	2.048	2.904	11.4	19.6
2 5	6 5.70	+36 19.8	2.155	2.924	14.1	19.8

435021 2006 VH_{72} 12 30.5 149°.45 1°.2/30.3 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 27	7 9.68	+24 36.6	1.521	2.357	15.9	21.5
12 7	7 3.51	+25 4.2	1.452	2.360	11.8	21.3
12 17	6 54.26	+25 33.8	1.405	2.363	7.1	21.0
12 27	6 42.95	+26 0.7	1.384	2.365	2.1	20.7
1 6	6 31.06	+26 21.3	1.392	2.367	3.8	20.8
1 16	6 20.20	+26 33.7	1.427	2.370	8.7	21.1
1 26	6 11.79	+26 38.7	1.487	2.371	13.2	21.4
2 5	6 6.66	+26 38.4	1.569	2.373	17.0	21.7

137232 1999 RZ_{23} 12 30.5 164°.01 2°.9/30.9 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 27	7 8.76	+14 45.1	1.716	2.533	15.2	20.3
12 7	7 2.37	+14 49.9	1.642	2.538	11.6	20.1
12 17	6 53.40	+15 4.6	1.593	2.542	7.4	19.9
12 27	6 42.70	+15 28.2	1.570	2.546	3.5	19.6
1 6	6 31.53	+15 58.6	1.576	2.549	4.1	19.7
1 16	6 21.18	+16 33.4	1.611	2.551	8.2	19.9
1 26	6 12.86	+17 10.5	1.673	2.553	12.3	20.2
2 5	6 7.32	+17 48.1	1.757	2.554	15.7	20.4

20335 Charmartell 12 30.5 10°.07 1°.8/30.7 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 27	7 6.01	+18 43.1	1.615	2.448	15.3	18.7
12 7	7 0.52	+18 35.3	1.542	2.448	11.5	18.5
12 17	6 52.36	+18 33.3	1.492	2.448	7.0	18.2
12 27	6 42.44	+18 36.0	1.469	2.449	2.6	18.0
1 6	6 32.03	+18 42.3	1.473	2.449	3.7	18.0
1 16	6 22.51	+18 51.1	1.506	2.450	8.2	18.3
1 26	6 15.09	+19 1.7	1.563	2.451	12.5	18.6
2 5	6 10.53	+19 13.6	1.643	2.452	16.2	18.8

11375 1998 QB_{74} 12 30.5 123°.07 3°.5/30.9 18 R

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 27	7 3.22	+12 36.0	2.358	3.163	12.0	17.4
12 7	6 57.62	+12 8.6	2.286	3.171	9.2	17.2
12 17	6 50.27	+11 48.5	2.239	3.179	6.2	17.0
12 27	6 41.85	+11 36.6	2.220	3.187	3.8	16.9
1 6	6 33.18	+11 32.9	2.231	3.194	4.2	16.9
1 16	6 25.12	+11 37.1	2.271	3.202	6.8	17.1
1 26	6 18.45	+11 48.1	2.339	3.209	9.7	17.3
2 5	6 13.70	+12 4.4	2.432	3.216	12.3	17.5

193015 2000 EN_{37} 12 30.5 328°.52 8°.2/31.5 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 27	6 59.62	+ 3 40.1	1.730	2.532	15.8	19.8
12 7	6 55.77	+ 2 53.7	1.639	2.509	13.1	19.5
12 17	6 49.59	+ 2 23.8	1.570	2.487	10.4	19.3
12 27	6 41.75	+ 2 14.8	1.524	2.465	8.4	19.2
1 6	6 33.25	+ 2 28.7	1.504	2.445	8.6	19.1
1 16	6 25.25	+ 3 4.9	1.509	2.425	10.8	19.2
1 26	6 18.88	+ 3 59.9	1.538	2.405	13.9	19.3
2 5	6 14.97	+ 5 8.3	1.589	2.387	17.1	19.5

494634 2017 CF_{30} 12 30.5 127°.35 1°.2/30.7 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 27	7 5.15	+18 32.4	1.922	2.747	13.6	21.2
12 7	6 59.54	+18 48.1	1.848	2.750	10.1	21.0
12 17	6 51.64	+19 9.9	1.798	2.752	6.1	20.7
12 27	6 42.24	+19 36.1	1.775	2.755	2.0	20.5
1 6	6 32.41	+20 4.2	1.782	2.758	3.0	20.6
1 16	6 23.30	+20 32.4	1.817	2.760	7.2	20.8
1 26	6 15.94	+20 59.4	1.880	2.763	11.0	21.1
2 5	6 11.05	+21 24.5	1.966	2.765	14.2	21.3

100069 1992 ED_{29} 12 30.5 241°.58 1°.1/30.6 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
11 27	7 5.94	+19 56.3	1.992	2.815	13.2	20.2
12 7	7 0.15	+19 54.0	1.905	2.806	9.9	20.0
12 17	6 52.04	+19 55.6	1.842	2.797	6.0	19.7
12 27	6 42.36	+19 59.7	1.806	2.787	1.9	19.4
1 6	6 32.16	+20 5.1	1.801	2.777	3.0	19.5
1 16	6 22.59	+20 10.9	1.825	2.767	7.2	19.7
1 26	6 14.73	+20 16.9	1.876	2.756	11.1	20.0
2 5	6 9.33	+20 23.3	1.950	2.746	14.4	20.2

375659 2009 CQ_{33} 12 30.5 345°.82 1°.1/30.7 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 27	7 1.23	+18 49.2	2.545	3.363	10.8	21.3
12 7	6 56.19	+18 54.7	2.464	3.363	8.0	21.2
12 17	6 49.46	+19 4.3	2.409	3.362	4.9	21.0
12 27	6 41.65	+19 16.9	2.382	3.362	1.7	20.7
1 6	6 33.53	+19 31.3	2.386	3.362	2.5	20.8
1 16	6 25.91	+19 46.7	2.420	3.361	5.7	21.0
1 26	6 19.56	+20 2.2	2.482	3.361	8.8	21.2
2 5	6 15.03	+20 17.4	2.569	3.361	11.5	21.4

243147 2007 TX_{18} 12 30.5 133°.46 0°.3/30.4 17 R

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 27	7 15.51	+24 14.1	2.003	2.813	13.7	21.7
12 7	7 6.83	+24 15.0	1.941	2.836	10.1	21.6
12 17	6 55.76	+24 15.3	1.904	2.858	6.0	21.3
12 27	6 43.27	+24 12.3	1.898	2.879	1.6	21.1
1 6	6 30.62	+24 4.8	1.922	2.898	2.9	21.2
1 16	6 19.06	+23 52.9	1.978	2.916	7.1	21.5
1 26	6 9.63	+23 38.3	2.063	2.933	10.8	21.8
2 5	6 2.94	+23 22.9	2.171	2.948	13.8	22.0

6092 Johnmason 12 30.5 98°.54 3°.1/31.2 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 27	7 9.71	+13 12.0	1.704	2.516	15.5	17.6
12 7	7 2.82	+13 27.0	1.650	2.542	11.7	17.4
12 17	6 53.49	+13 53.4	1.620	2.567	7.5	17.2
12 27	6 42.70	+14 29.5	1.616	2.591	3.8	17.1
1 6	6 31.68	+15 12.6	1.643	2.614	4.2	17.1
1 16	6 21.69	+15 59.4	1.698	2.637	7.9	17.4
1 26	6 13.79	+16 47.2	1.780	2.659	11.7	17.7
2 5	6 8.62	+17 33.9	1.886	2.681	14.9	17.9

458678 2011 HC_{34} 12 30.5 222°.19 4°.4/29.5 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 27	7 6.55	+37 0.4	2.588	3.395	11.0	21.7
12 7	7 0.39	+37 39.6	2.507	3.391	8.6	21.5
12 17	6 52.09	+38 11.9	2.452	3.387	6.1	21.4
12 27	6 42.36	+38 33.1	2.425	3.382	4.5	21.3
1 6	6 32.22	+38 40.3	2.428	3.377	5.1	21.3
1 16	6 22.70	+38 33.0	2.459	3.372	7.3	21.4
1 26	6 14.81	+38 13.1	2.519	3.367	9.8	21.6
2 5	6 9.21	+37 43.9	2.601	3.361	12.2	21.7

220076 2002 RF_{209} 12 30.5 197°.39 5°.0/29.8 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 27	7 13.28	+34 19.8	1.730	2.551	15.0	21.2
12 7	7 6.21	+35 4.0	1.654	2.549	11.5	20.9
12 17	6 55.91	+35 41.2	1.602	2.547	7.8	20.7
12 27	6 43.41	+36 4.6	1.577	2.544	5.2	20.5
1 6	6 30.26	+36 9.4	1.580	2.540	6.1	20.6
1 16	6 18.15	+35 55.2	1.611	2.536	9.5	20.8
1 26	6 8.58	+35 25.5	1.667	2.531	13.2	21.0
2 5	6 2.44	+34 46.0	1.746	2.526	16.5	21.2

129149 Richwitherspoon 12 30.5 171°.43 0°.7/30.6 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 27	7 6.33	+20 35.5	1.929	2.754	13.5	20.5
12 7	7 0.42	+20 42.8	1.852	2.755	10.0	20.3
12 17	6 52.18	+20 53.9	1.800	2.756	6.0	20.1
12 27	6 42.40	+21 7.1	1.776	2.757	1.7	19.8
1 6	6 32.19	+21 20.4	1.781	2.758	3.0	19.9
1 16	6 22.72	+21 32.6	1.816	2.758	7.2	20.1
1 26	6 15.06	+21 43.4	1.877	2.759	11.1	20.4
2 5	6 9.93	+21 53.1	1.962	2.759	14.3	20.6

40259 1999 CZ_{85} 12 30.5 233°.20 1°.8/30.8 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 27	7 6.79	+17 4.3	1.671	2.498	15.1	18.6
12 7	7 1.14	+17 22.5	1.592	2.494	11.4	18.4
12 17	6 52.80	+17 49.7	1.535	2.489	7.0	18.1
12 27	6 42.60	+18 24.0	1.505	2.484	2.6	17.8
1 6	6 31.77	+19 2.5	1.504	2.479	3.6	17.9
1 16	6 21.67	+19 42.3	1.531	2.474	8.2	18.2
1 26	6 13.59	+20 21.3	1.584	2.469	12.5	18.4
2 5	6 8.35	+20 58.2	1.659	2.463	16.2	18.6

73308 2002 JJ_{74} 12 30.5 223°.32 6°.3/31.1 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 27	7 5.04	+ 6 21.6	2.073	2.863	13.9	20.1
12 7	6 59.29	+ 5 34.9	1.988	2.855	11.3	19.9
12 17	6 51.45	+ 5 0.2	1.926	2.847	8.5	19.7
12 27	6 42.21	+ 4 40.4	1.891	2.839	6.5	19.5
1 6	6 32.51	+ 4 36.6	1.885	2.829	6.8	19.5
1 16	6 23.38	+ 4 48.6	1.906	2.820	9.0	19.7
1 26	6 15.77	+ 5 14.5	1.954	2.810	11.9	19.8
2 5	6 10.36	+ 5 50.9	2.025	2.799	14.7	20.0

373083 2011 FZ_{97} 12 30.5 197°.76 3°.9/29.8 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
11 27	7 6.37	+35 24.4	2.555	3.366	11.0	21.0
12 7	7 0.20	+35 54.5	2.477	3.365	8.5	20.8
12 17	6 51.94	+36 18.3	2.423	3.363	5.8	20.6
12 27	6 42.32	+36 31.9	2.398	3.362	4.0	20.5
1 6	6 32.34	+36 32.9	2.403	3.360	4.6	20.5
1 16	6 23.03	+36 21.1	2.438	3.358	7.0	20.7
1 26	6 15.33	+35 58.4	2.500	3.355	9.7	20.9
2 5	6 9.88	+35 27.9	2.586	3.353	12.1	21.0

80522 2000 AT_{61} 12 30.5 335°.01 1°.3/30.7 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 27	7 4.47	+19 12.6	1.224	2.076	18.0	18.4
12 7	7 0.27	+19 25.5	1.150	2.066	13.5	18.1
12 17	6 52.66	+19 47.7	1.097	2.057	8.2	17.7
12 27	6 42.62	+20 16.6	1.067	2.048	2.6	17.4
1 6	6 31.73	+20 48.9	1.063	2.041	4.1	17.5
1 16	6 21.79	+21 21.2	1.084	2.034	9.9	17.8
1 26	6 14.48	+21 51.6	1.128	2.028	15.2	18.0
2 5	6 10.80	+22 19.3	1.191	2.023	19.6	18.3

98906 2001 BR_{58} 12 30.5 283°.55 1°.1/30.7 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 27	7 5.49	+19 6.2	1.725	2.555	14.6	19.8
12 7	7 0.25	+19 19.3	1.636	2.541	11.0	19.6
12 17	6 52.32	+19 39.1	1.570	2.526	6.7	19.3
12 27	6 42.51	+20 3.8	1.531	2.511	2.1	19.0
1 6	6 31.97	+20 30.8	1.520	2.497	3.4	19.0
1 16	6 22.06	+20 57.9	1.537	2.482	8.1	19.3
1 26	6 14.06	+21 23.8	1.581	2.467	12.5	19.5
2 5	6 8.86	+21 48.0	1.647	2.453	16.2	19.7

313881 2004 HX 12 30.5 166°.41 7°.7/27.6 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 27	7 15.60	+45 57.6	2.584	3.357	11.9	20.9
12 7	7 7.66	+47 37.3	2.518	3.362	10.0	20.8
12 17	6 56.74	+49 5.4	2.478	3.366	8.4	20.7
12 27	6 43.68	+50 14.3	2.466	3.370	7.7	20.6
1 6	6 29.77	+50 58.7	2.482	3.374	8.2	20.7
1 16	6 16.53	+51 17.3	2.527	3.376	9.7	20.8
1 26	6 5.40	+51 12.9	2.596	3.379	11.6	20.9
2 5	5 57.31	+50 51.1	2.687	3.380	13.4	21.1

404480 2013 HB_5 12 30.5 170°.28 5°.3/31.8 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 27	7 3.23	+ 5 29.3	2.378	3.160	12.6	21.1
12 7	6 57.67	+ 5 15.7	2.300	3.163	10.1	21.0
12 17	6 50.36	+ 5 14.9	2.246	3.165	7.5	20.8
12 27	6 41.93	+ 5 28.1	2.219	3.168	5.6	20.7
1 6	6 33.17	+ 5 55.1	2.222	3.169	5.7	20.7
1 16	6 24.93	+ 6 34.1	2.253	3.170	7.6	20.8
1 26	6 18.02	+ 7 22.5	2.313	3.171	10.2	21.0
2 5	6 13.00	+ 8 16.9	2.396	3.172	12.7	21.2

36024 1999 NW_{50} 12 30.5 176°.37 0°.9/30.6 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 27	7 7.56	+20 3.7	2.088	2.905	12.9	19.7
12 7	7 1.17	+20 9.2	2.009	2.908	9.6	19.5
12 17	6 52.57	+20 18.3	1.955	2.910	5.8	19.2
12 27	6 42.52	+20 29.6	1.930	2.911	1.8	19.0
1 6	6 32.06	+20 41.3	1.935	2.911	2.9	19.1
1 16	6 22.31	+20 52.5	1.970	2.911	6.9	19.3
1 26	6 14.26	+21 2.7	2.033	2.911	10.5	19.5
2 5	6 8.59	+21 12.2	2.120	2.909	13.7	19.7

393347 4725 P–L 12 30.5 31°.64 4°.1/30.1 16

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 27	7 7.17	+32 8.0	1.486	2.327	16.0	20.2
12 7	7 1.50	+32 38.1	1.444	2.351	11.9	20.0
12 17	6 52.89	+33 1.0	1.424	2.377	7.7	19.8
12 27	6 42.57	+33 11.7	1.430	2.403	4.4	19.7
1 6	6 32.12	+33 7.7	1.462	2.430	5.3	19.8
1 16	6 23.04	+32 49.7	1.521	2.458	8.9	20.1
1 26	6 16.55	+32 21.2	1.605	2.486	12.6	20.4
2 5	6 13.24	+31 46.7	1.710	2.515	15.8	20.6

492152 2013 PG_8 12 30.5 315°.13 4°.3/31.1 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 27	7 1.89	+10 54.8	2.149	2.957	12.9	21.4
12 7	6 56.92	+10 27.0	2.067	2.952	10.1	21.2
12 17	6 50.01	+10 8.5	2.010	2.948	7.0	21.0
12 27	6 41.85	+10 0.6	1.980	2.943	4.6	20.8
1 6	6 33.32	+10 3.5	1.978	2.939	4.9	20.8
1 16	6 25.34	+10 16.6	2.005	2.935	7.6	21.0
1 26	6 18.81	+10 38.4	2.059	2.931	10.7	21.2
2 5	6 14.34	+11 6.4	2.136	2.927	13.5	21.4

355399 2007 UH_{34} 12 30.5 35°.68 7°.3/ 1.9 17

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 27	7 5.73	+ 4 25.7	1.148	1.971	20.9	19.6
12 7	7 0.46	+ 4 43.6	1.116	2.003	16.5	19.4
12 17	6 52.27	+ 5 28.5	1.103	2.037	11.8	19.3
12 27	6 42.41	+ 6 39.2	1.112	2.072	8.1	19.2
1 6	6 32.47	+ 8 9.8	1.147	2.108	7.7	19.3
1 16	6 23.96	+ 9 52.0	1.207	2.144	10.6	19.5
1 26	6 18.07	+11 37.4	1.290	2.181	14.4	19.9
2 5	6 15.37	+13 18.9	1.395	2.219	17.7	20.2

112376 2002 NF_{24} 12 30.5 120°.48 4°.2/30.3 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
11 27	7 12.65	+35 32.4	2.030	2.842	13.4	20.0
12 7	7 5.03	+35 45.0	1.966	2.855	10.3	19.8
12 17	6 54.83	+35 48.2	1.926	2.868	6.9	19.6
12 27	6 43.09	+35 37.9	1.914	2.880	4.4	19.5
1 6	6 31.14	+35 12.3	1.931	2.893	5.0	19.6
1 16	6 20.33	+34 32.7	1.978	2.904	8.0	19.8
1 26	6 11.77	+33 43.2	2.053	2.915	11.1	20.0
2 5	6 6.08	+32 48.6	2.150	2.926	13.9	20.2

235905 2005 EV_9 12 30.5 333°.03 1°.6/30.7 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 27	7 1.31	+18 57.5	1.737	2.574	14.2	20.0
12 7	6 57.10	+18 50.8	1.648	2.556	10.7	19.7
12 17	6 50.41	+18 49.4	1.583	2.540	6.6	19.4
12 27	6 42.01	+18 52.7	1.544	2.524	2.4	19.1
1 6	6 32.99	+18 59.6	1.532	2.508	3.5	19.2
1 16	6 24.60	+19 9.1	1.548	2.494	7.9	19.4
1 26	6 18.00	+19 20.5	1.589	2.480	12.1	19.6
2 5	6 14.02	+19 33.1	1.653	2.468	15.8	19.8

383088 2005 SG_{88} 12 30.5 148°.80 1°.9/30.3 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 27	7 11.22	+27 30.0	1.798	2.623	14.3	21.6
12 7	7 4.22	+27 47.5	1.729	2.631	10.7	21.4
12 17	6 54.50	+28 2.9	1.683	2.638	6.5	21.1
12 27	6 43.04	+28 12.2	1.666	2.645	2.4	20.9
1 6	6 31.18	+28 12.8	1.678	2.652	3.7	21.0
1 16	6 20.32	+28 4.6	1.719	2.657	7.9	21.3
1 26	6 11.69	+27 49.3	1.786	2.662	11.8	21.5
2 5	6 6.01	+27 30.0	1.877	2.667	15.1	21.7

169740 2002 OC_5 12 30.5 29°.56 13°.2/ 3.1 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 27	7 2.57	− 9 52.7	1.674	2.409	18.9	19.3
12 7	6 57.79	−10 56.7	1.614	2.413	16.8	19.1
12 17	6 50.67	−11 31.8	1.573	2.418	14.8	19.0
12 27	6 42.05	−11 31.8	1.552	2.423	13.5	19.0
1 6	6 33.03	−10 55.0	1.554	2.429	13.3	19.0
1 16	6 24.78	− 9 43.8	1.578	2.434	14.2	19.0
1 26	6 18.36	− 8 4.9	1.624	2.441	15.9	19.2
2 5	6 14.46	− 6 7.7	1.691	2.447	17.9	19.3

230352 2002 CH_{297} 12 30.5 239°.97 1°.6/30.7 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 27	7 6.67	+18 14.8	1.810	2.635	14.3	20.7
12 7	7 0.93	+18 20.2	1.725	2.626	10.7	20.5
12 17	6 52.64	+18 32.0	1.663	2.618	6.6	20.2
12 27	6 42.60	+18 48.9	1.629	2.609	2.4	19.9
1 6	6 31.95	+19 8.8	1.624	2.599	3.4	20.0
1 16	6 21.98	+19 30.2	1.647	2.590	7.8	20.2
1 26	6 13.87	+19 51.9	1.697	2.580	12.0	20.4
2 5	6 8.43	+20 13.2	1.769	2.570	15.5	20.6

230152 2001 QO_{82} 12 30.5 74°.83 4°.3/30.5 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 27	7 16.81	+34 14.2	1.481	2.306	16.8	19.4
12 7	7 8.48	+34 20.5	1.437	2.335	12.7	19.2
12 17	6 56.93	+34 15.9	1.415	2.363	8.3	19.0
12 27	6 43.62	+33 55.4	1.419	2.391	4.7	18.9
1 6	6 30.37	+33 18.1	1.451	2.418	5.5	19.0
1 16	6 18.89	+32 26.8	1.512	2.446	9.2	19.3
1 26	6 10.44	+31 27.7	1.598	2.472	13.0	19.5
2 5	6 5.56	+30 26.8	1.705	2.499	16.3	19.8

139443 2001 OT_{60} 12 30.5 257°.89 3°.0/30.4 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 27	7 10.15	+32 18.9	1.901	2.724	13.8	19.5
12 7	7 3.48	+32 15.4	1.819	2.718	10.4	19.2
12 17	6 54.10	+32 4.5	1.761	2.712	6.7	19.0
12 27	6 42.96	+31 42.4	1.731	2.706	3.4	18.8
1 6	6 31.39	+31 7.9	1.729	2.699	4.3	18.8
1 16	6 20.78	+30 22.2	1.757	2.693	8.0	19.0
1 26	6 12.35	+29 29.0	1.812	2.686	11.7	19.3
2 5	6 6.83	+28 32.9	1.889	2.680	15.0	19.5

382039 2011 CX_{68} 12 30.5 318°.00 4°.4/30.0 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 27	7 7.75	+30 43.8	1.219	2.071	18.0	20.6
12 7	7 3.20	+31 18.0	1.139	2.054	13.8	20.3
12 17	6 54.69	+31 48.5	1.081	2.037	8.9	20.0
12 27	6 43.26	+32 7.8	1.045	2.021	4.8	19.7
1 6	6 30.73	+32 10.2	1.035	2.006	6.2	19.8
1 16	6 19.27	+31 54.1	1.049	1.992	11.2	20.0
1 26	6 10.88	+31 23.0	1.086	1.978	16.3	20.2
2 5	6 6.69	+30 43.2	1.141	1.965	20.8	20.5

76129 2000 EC_8 12 30.5 112°.07 3°.6/30.1 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 27	7 10.15	+32 45.9	1.910	2.732	13.7	19.3
12 7	7 3.39	+33 7.8	1.844	2.741	10.4	19.1
12 17	6 53.98	+33 23.1	1.802	2.750	6.8	18.9
12 27	6 42.93	+33 27.3	1.787	2.759	3.9	18.7
1 6	6 31.55	+33 18.2	1.802	2.768	4.7	18.8
1 16	6 21.20	+32 56.0	1.845	2.776	8.0	19.0
1 26	6 13.05	+32 23.7	1.915	2.785	11.5	19.2
2 5	6 7.78	+31 45.7	2.007	2.793	14.5	19.5

443314 2014 FG_{48} 12 30.5 233°.43 0°.8/30.4 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
11 27	7 8.52	+24 45.7	1.911	2.737	13.6	21.9
12 7	7 2.29	+24 57.9	1.824	2.727	10.1	21.6
12 17	6 53.46	+25 10.7	1.760	2.716	6.1	21.4
12 27	6 42.84	+25 21.0	1.724	2.705	1.8	21.1
1 6	6 31.62	+25 26.6	1.718	2.694	3.2	21.1
1 16	6 21.09	+25 26.4	1.741	2.682	7.6	21.4
1 26	6 12.48	+25 21.4	1.791	2.670	11.6	21.6
2 5	6 6.60	+25 13.3	1.864	2.657	15.1	21.8

116627 2004 BB_{121} 12 30.5 40°.97 6°.6/29.2 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 27	7 8.52	+42 9.9	2.272	3.073	12.5	19.5
12 7	7 2.25	+43 6.3	2.206	3.077	10.1	19.3
12 17	6 53.38	+43 51.7	2.164	3.081	7.9	19.2
12 27	6 42.80	+44 20.1	2.149	3.086	6.7	19.1
1 6	6 31.77	+44 28.0	2.162	3.090	7.2	19.2
1 16	6 21.63	+44 15.2	2.202	3.095	9.1	19.3
1 26	6 13.55	+43 44.8	2.268	3.100	11.4	19.4
2 5	6 8.28	+43 1.9	2.356	3.105	13.6	19.6

199995 2007 JV_{33} 12 30.5 121°.93 4°.1/31.4 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 27	7 2.33	+ 9 7.5	2.602	3.393	11.4	21.5
12 7	6 56.84	+ 8 49.8	2.532	3.406	8.9	21.4
12 17	6 49.80	+ 8 41.4	2.488	3.418	6.3	21.2
12 27	6 41.82	+ 8 43.0	2.471	3.430	4.3	21.1
1 6	6 33.63	+ 8 54.4	2.485	3.442	4.5	21.2
1 16	6 25.98	+ 9 14.5	2.529	3.453	6.6	21.3
1 26	6 19.56	+ 9 41.7	2.601	3.464	9.0	21.5
2 5	6 14.86	+10 13.8	2.697	3.474	11.4	21.7

107084 2001 AQ_{24} 12 30.5 65°.72 3°.2/30.1 18 R

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 27	7 12.65	+28 10.0	1.233	2.078	18.3	19.0
12 7	7 6.04	+28 51.2	1.187	2.099	13.6	18.8
12 17	6 55.84	+29 29.8	1.163	2.120	8.3	18.5
12 27	6 43.44	+29 58.9	1.164	2.142	3.7	18.3
1 6	6 30.75	+30 13.8	1.191	2.163	5.1	18.5
1 16	6 19.71	+30 14.0	1.243	2.185	9.9	18.8
1 26	6 11.80	+30 2.9	1.320	2.206	14.4	19.1
2 5	6 7.73	+29 44.8	1.417	2.228	18.2	19.4

441126 2007 TU_{86} 12 30.5 66°.87 2°.2/30.9 17

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 27	7 8.10	+16 59.6	1.598	2.426	15.7	22.0
12 7	7 1.76	+16 59.0	1.551	2.452	11.7	21.8
12 17	6 52.92	+17 6.2	1.526	2.479	7.2	21.6
12 27	6 42.64	+17 19.7	1.527	2.506	2.9	21.4
1 6	6 32.20	+17 37.6	1.557	2.532	3.7	21.5
1 16	6 22.90	+17 58.2	1.616	2.559	7.9	21.8
1 26	6 15.79	+18 20.1	1.700	2.585	11.8	22.1
2 5	6 11.46	+18 42.3	1.807	2.611	15.1	22.4

144420 2004 ET_{14} 12 30.5 249°.00 0°.7/30.3 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 27	7 6.40	+23 43.3	2.263	3.082	11.9	20.9
12 7	7 0.47	+24 9.7	2.165	3.065	8.9	20.7
12 17	6 52.30	+24 38.4	2.092	3.048	5.3	20.5
12 27	6 42.55	+25 6.4	2.049	3.030	1.5	20.2
1 6	6 32.19	+25 31.2	2.036	3.011	2.8	20.2
1 16	6 22.29	+25 50.9	2.053	2.992	6.7	20.4
1 26	6 13.91	+26 5.3	2.098	2.973	10.4	20.6
2 5	6 7.82	+26 15.2	2.167	2.953	13.5	20.8

220067 2002 RP_{153} 12 30.5 69°.03 0°.2/30.5 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 27	7 11.10	+24 34.7	1.347	2.188	17.3	19.4
12 7	7 4.54	+24 21.4	1.293	2.203	12.8	19.1
12 17	6 54.82	+24 7.6	1.260	2.219	7.6	18.9
12 27	6 43.16	+23 51.0	1.253	2.234	2.0	18.6
1 6	6 31.26	+23 30.7	1.273	2.250	3.7	18.7
1 16	6 20.78	+23 7.6	1.320	2.266	9.0	19.1
1 26	6 13.06	+22 43.9	1.391	2.281	13.6	19.4
2 5	6 8.77	+22 21.8	1.484	2.297	17.4	19.7

346483 2008 UX_{29} 12 30.5 134°.37 2°.6/30.9 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 27	7 7.46	+16 12.7	1.817	2.637	14.4	21.0
12 7	7 1.26	+16 2.2	1.748	2.645	10.9	20.8
12 17	6 52.69	+15 58.8	1.702	2.653	6.9	20.6
12 27	6 42.62	+16 2.2	1.684	2.661	3.2	20.4
1 6	6 32.18	+16 11.2	1.695	2.668	3.8	20.4
1 16	6 22.59	+16 24.7	1.735	2.675	7.7	20.7
1 26	6 14.91	+16 41.6	1.801	2.682	11.5	20.9
2 5	6 9.80	+17 0.9	1.891	2.688	14.8	21.2

208328 2001 QH_{21} 12 30.5 119°.03 4°.3/31.6 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 27	7 5.25	+ 8 17.8	2.443	3.230	12.2	21.1
12 7	6 58.99	+ 8 7.7	2.381	3.251	9.5	21.0
12 17	6 51.07	+ 8 8.3	2.343	3.272	6.7	20.8
12 27	6 42.16	+ 8 20.1	2.334	3.292	4.6	20.7
1 6	6 33.06	+ 8 42.2	2.355	3.311	4.7	20.8
1 16	6 24.61	+ 9 13.2	2.406	3.329	6.9	20.9
1 26	6 17.54	+ 9 50.7	2.486	3.347	9.5	21.1
2 5	6 12.35	+10 32.4	2.590	3.365	11.9	21.3

355520 2008 AO_{46} 12 30.5 85°.10 0°.3/30.5 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
11 27	7 7.05	+21 51.2	1.780	2.609	14.3	21.3
12 7	7 1.04	+21 55.9	1.716	2.621	10.5	21.1
12 17	6 52.58	+22 3.4	1.675	2.632	6.3	20.9
12 27	6 42.59	+22 11.5	1.662	2.644	1.7	20.6
1 6	6 32.28	+22 18.5	1.678	2.655	3.0	20.8
1 16	6 22.89	+22 23.5	1.722	2.666	7.4	21.0
1 26	6 15.52	+22 26.7	1.793	2.677	11.4	21.3
2 5	6 10.82	+22 28.7	1.887	2.688	14.7	21.5

196055 2002 TC_{1} 12 30.5 85°.67 2°.0/30.1 17

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 27	7 5.27	+28 30.0	2.350	3.171	11.5	20.7
12 7	6 59.33	+28 56.9	2.286	3.186	8.5	20.5
12 17	6 51.41	+29 21.6	2.247	3.201	5.2	20.3
12 27	6 42.26	+29 40.9	2.238	3.215	2.3	20.1
1 6	6 32.87	+29 52.8	2.258	3.229	3.2	20.2
1 16	6 24.19	+29 56.7	2.308	3.244	6.4	20.5
1 26	6 17.13	+29 53.4	2.386	3.258	9.4	20.7
2 5	6 12.26	+29 44.8	2.488	3.272	12.0	20.9

346318 2008 QX_{32} 12 30.5 135°.31 1°.7/30.3 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 27	7 10.68	+27 16.7	1.761	2.587	14.5	21.5
12 7	7 3.86	+27 27.4	1.693	2.596	10.8	21.3
12 17	6 54.32	+27 35.9	1.649	2.604	6.5	21.1
12 27	6 43.05	+27 38.6	1.632	2.612	2.3	20.8
1 6	6 31.42	+27 33.3	1.645	2.619	3.6	20.9
1 16	6 20.83	+27 20.0	1.686	2.626	7.9	21.2
1 26	6 12.47	+27 0.9	1.754	2.633	11.9	21.4
2 5	6 7.07	+26 38.7	1.845	2.639	15.2	21.7

138317 2000 GN_{74} 12 30.5 131°.72 1°.4/30.7 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 27	7 5.97	+18 32.1	2.240	3.055	12.2	19.9
12 7	6 59.79	+18 29.5	2.171	3.067	9.1	19.7
12 17	6 51.66	+18 31.1	2.126	3.078	5.5	19.5
12 27	6 42.34	+18 35.9	2.110	3.089	2.0	19.3
1 6	6 32.75	+18 43.0	2.125	3.100	2.8	19.4
1 16	6 23.86	+18 51.5	2.170	3.110	6.4	19.6
1 26	6 16.54	+19 0.9	2.242	3.119	9.7	19.9
2 5	6 11.37	+19 11.0	2.339	3.128	12.5	20.1

484760 2009 BP_{37} 12 30.5 7°.26 5°.4/ 1.4 17

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 27	6 59.85	+ 7 40.3	1.042	1.890	20.7	20.5
12 7	6 56.97	+ 8 31.9	0.984	1.891	16.2	20.2
12 17	6 50.74	+ 9 53.4	0.945	1.894	11.1	20.0
12 27	6 42.20	+11 42.8	0.927	1.900	6.4	19.7
1 6	6 32.95	+13 51.9	0.934	1.907	6.1	19.7
1 16	6 24.77	+16 9.2	0.965	1.916	10.6	20.0
1 26	6 19.27	+18 23.3	1.019	1.927	15.6	20.3
2 5	6 17.37	+20 26.2	1.093	1.940	19.9	20.6

514381 2016 RD_{31} 12 30.5 75°.08 6°.2/29.9 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 27	7 14.13	+35 16.1	1.371	2.204	17.5	20.9
12 7	7 7.24	+36 10.6	1.320	2.220	13.5	20.7
12 17	6 56.64	+36 55.1	1.290	2.235	9.3	20.5
12 27	6 43.69	+37 21.2	1.286	2.251	6.4	20.4
1 6	6 30.34	+37 23.9	1.308	2.267	7.2	20.5
1 16	6 18.60	+37 3.9	1.356	2.282	10.8	20.7
1 26	6 10.04	+36 26.8	1.427	2.298	14.6	21.0
2 5	6 5.43	+35 39.8	1.519	2.313	17.9	21.3

354082 2001 VH_{104} 12 30.5 79°.19 3°.6/29.9 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 27	7 11.52	+31 44.3	1.993	2.811	13.4	20.3
12 7	7 4.10	+32 30.2	1.949	2.844	10.0	20.2
12 17	6 54.26	+33 10.4	1.929	2.876	6.5	20.0
12 27	6 43.00	+33 40.0	1.937	2.908	3.8	19.9
1 6	6 31.60	+33 56.0	1.976	2.940	4.6	20.0
1 16	6 21.32	+33 58.2	2.043	2.970	7.6	20.3
1 26	6 13.19	+33 49.0	2.138	3.001	10.7	20.5
2 5	6 7.81	+33 32.0	2.256	3.031	13.4	20.7

181887 1999 RB_{55} 12 30.5 65°.31 4°.9/31.2 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 27	7 9.19	+12 43.1	1.262	2.094	18.8	19.9
12 7	7 3.04	+12 17.5	1.216	2.116	14.3	19.7
12 17	6 53.88	+12 6.0	1.190	2.138	9.5	19.5
12 27	6 42.93	+12 9.2	1.189	2.160	5.5	19.3
1 6	6 31.78	+12 25.9	1.214	2.183	5.9	19.4
1 16	6 21.99	+12 53.5	1.265	2.205	9.9	19.7
1 26	6 14.82	+13 28.7	1.340	2.227	14.2	20.0
2 5	6 10.94	+14 8.0	1.435	2.249	17.8	20.3

461321 2015 XL_{245} 12 30.5 343°.34 3°.9/30.7 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 27	7 2.57	+14 54.2	1.786	2.613	14.3	20.7
12 7	6 57.80	+14 8.0	1.707	2.606	11.0	20.4
12 17	6 50.73	+13 28.2	1.651	2.599	7.3	20.2
12 27	6 42.14	+12 56.5	1.621	2.593	4.3	20.0
1 6	6 33.12	+12 34.0	1.619	2.587	4.9	20.0
1 16	6 24.80	+12 21.5	1.645	2.582	8.3	20.2
1 26	6 18.25	+12 18.3	1.696	2.578	12.0	20.4
2 5	6 14.16	+12 23.2	1.770	2.574	15.4	20.6

174416 2002 VQ_{112} 12 30.5 96°.84 0°.7/30.6 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
11 27	7 8.11	+21 10.7	1.988	2.808	13.3	20.4
12 7	7 1.47	+21 4.5	1.929	2.829	9.8	20.2
12 17	6 52.67	+21 0.6	1.895	2.850	5.9	20.0
12 27	6 42.60	+20 57.7	1.889	2.870	1.7	19.8
1 6	6 32.36	+20 54.9	1.914	2.890	2.8	19.9
1 16	6 23.04	+20 51.7	1.968	2.910	6.8	20.2
1 26	6 15.58	+20 48.6	2.050	2.929	10.4	20.5
2 5	6 10.56	+20 46.0	2.155	2.948	13.4	20.7

481736 2008 GS_{22} 12 30.5 248°.56 3°.7/31.2 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 27	7 3.75	+11 49.6	2.251	3.055	12.5	22.4
12 7	6 58.34	+11 38.4	2.157	3.042	9.7	22.2
12 17	6 50.95	+11 36.3	2.088	3.029	6.6	22.0
12 27	6 42.20	+11 43.8	2.047	3.015	4.0	21.8
1 6	6 32.97	+12 0.4	2.035	3.000	4.3	21.8
1 16	6 24.20	+12 24.9	2.053	2.986	7.2	22.0
1 26	6 16.81	+12 55.8	2.098	2.971	10.5	22.1
2 5	6 11.47	+13 30.8	2.167	2.955	13.4	22.3

159296 2006 BM_{44} 12 30.5 27°.58 0°.6/30.6 17

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 27	7 3.72	+20 54.0	2.100	2.926	12.5	20.3
12 7	6 58.39	+21 0.4	2.024	2.927	9.3	20.1
12 17	6 50.97	+21 10.1	1.972	2.928	5.6	19.9
12 27	6 42.19	+21 21.4	1.949	2.930	1.6	19.6
1 6	6 33.05	+21 32.9	1.955	2.931	2.7	19.7
1 16	6 24.56	+21 43.5	1.990	2.933	6.6	19.9
1 26	6 17.69	+21 52.9	2.052	2.935	10.2	20.2
2 5	6 13.06	+22 1.1	2.138	2.937	13.3	20.4

399394 2001 SL_{287} 12 30.5 74°.15 4°.3/31.5 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 27	7 5.68	+10 35.1	1.866	2.674	14.6	21.1
12 7	6 59.71	+10 28.5	1.813	2.699	11.2	20.9
12 17	6 51.65	+10 34.0	1.783	2.723	7.6	20.8
12 27	6 42.35	+10 51.6	1.781	2.747	4.7	20.7
1 6	6 32.86	+11 19.9	1.806	2.771	4.9	20.7
1 16	6 24.25	+11 56.6	1.861	2.795	7.8	20.9
1 26	6 17.44	+12 38.7	1.943	2.818	11.0	21.2
2 5	6 12.98	+13 23.6	2.047	2.842	13.9	21.4

80782 2000 CJ_{78} 12 30.5 143°.71 0°.7/30.4 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 27	7 10.81	+24 36.2	1.911	2.732	13.8	20.3
12 7	7 3.73	+24 49.3	1.843	2.744	10.2	20.1
12 17	6 54.17	+25 2.6	1.799	2.754	6.1	19.8
12 27	6 43.03	+25 13.1	1.783	2.764	1.7	19.6
1 6	6 31.56	+25 18.5	1.798	2.774	3.1	19.7
1 16	6 21.01	+25 18.5	1.842	2.783	7.3	20.0
1 26	6 12.50	+25 13.8	1.914	2.791	11.1	20.2
2 5	6 6.71	+25 6.3	2.009	2.798	14.3	20.5

374206 2005 EK_{181} 12 30.5 279°.11 7°.6/28.7 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 27	7 10.84	+46 8.0	2.420	3.203	12.4	20.8
12 7	7 4.21	+47 6.9	2.335	3.188	10.4	20.6
12 17	6 54.72	+47 53.6	2.274	3.172	8.6	20.5
12 27	6 43.24	+48 21.4	2.239	3.156	7.7	20.4
1 6	6 31.07	+48 26.0	2.232	3.141	8.1	20.4
1 16	6 19.66	+48 6.6	2.252	3.125	9.8	20.5
1 26	6 10.39	+47 26.6	2.296	3.109	11.9	20.6
2 5	6 4.10	+46 31.6	2.363	3.093	14.1	20.7

399762 2005 JZ_{142} 12 30.5 263°.40 2°.2/29.9 17

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 27	7 7.46	+25 48.3	1.877	2.706	13.7	21.4
12 7	7 1.74	+26 49.6	1.791	2.695	10.2	21.2
12 17	6 53.29	+27 54.1	1.729	2.684	6.3	20.9
12 27	6 42.89	+28 56.3	1.695	2.674	2.6	20.7
1 6	6 31.70	+29 51.1	1.690	2.663	4.0	20.7
1 16	6 21.10	+30 34.8	1.715	2.651	8.1	21.0
1 26	6 12.40	+31 6.6	1.766	2.640	12.1	21.2
2 5	6 6.51	+31 28.1	1.840	2.629	15.5	21.4

268613 2006 CZ_{43} 12 30.5 195°.10 4°.2/31.5 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 27	7 1.35	+ 8 3.7	2.727	3.515	11.0	21.1
12 7	6 56.18	+ 7 50.5	2.643	3.513	8.7	20.9
12 17	6 49.48	+ 7 47.0	2.584	3.511	6.3	20.8
12 27	6 41.80	+ 7 54.0	2.553	3.509	4.4	20.7
1 6	6 33.82	+ 8 11.2	2.552	3.506	4.6	20.7
1 16	6 26.27	+ 8 37.5	2.581	3.503	6.5	20.8
1 26	6 19.84	+ 9 11.2	2.638	3.500	9.0	20.9
2 5	6 15.04	+ 9 50.1	2.720	3.496	11.3	21.1

366533 2002 QT_{61} 12 30.5 48°.81 3°.1/30.3 17

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 27	7 7.63	+31 57.9	1.931	2.757	13.4	20.3
12 7	7 1.33	+32 6.8	1.877	2.777	10.1	20.1
12 17	6 52.66	+32 9.3	1.847	2.798	6.4	20.0
12 27	6 42.61	+32 2.4	1.845	2.819	3.4	19.8
1 6	6 32.43	+31 44.5	1.871	2.840	4.2	19.9
1 16	6 23.32	+31 16.6	1.927	2.862	7.4	20.1
1 26	6 16.30	+30 41.6	2.009	2.884	10.8	20.4
2 5	6 11.93	+30 3.0	2.114	2.906	13.6	20.6

121587 1999 VJ_{105} 12 30.5 75°.69 0°.4/30.6 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
11 27	7 5.12	+21 42.0	2.068	2.892	12.7	20.3
12 7	6 59.32	+21 44.6	2.004	2.907	9.4	20.1
12 17	6 51.45	+21 49.5	1.965	2.921	5.6	19.9
12 27	6 42.31	+21 55.1	1.954	2.935	1.5	19.7
1 6	6 32.93	+22 0.0	1.973	2.950	2.7	19.8
1 16	6 24.35	+22 3.6	2.021	2.964	6.6	20.1
1 26	6 17.47	+22 6.0	2.097	2.978	10.1	20.3
2 5	6 12.88	+22 7.6	2.196	2.993	13.0	20.6

328794 2009 VX_{8} 12 30.5 71°.14 2°.1/30.2 17

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 27	7 5.56	+28 25.0	2.138	2.964	12.3	20.5
12 7	6 59.81	+28 46.9	2.064	2.966	9.2	20.3
12 17	6 51.84	+29 6.5	2.015	2.969	5.6	20.1
12 27	6 42.44	+29 20.8	1.993	2.971	2.4	19.9
1 6	6 32.66	+29 27.3	2.002	2.974	3.4	20.0
1 16	6 23.61	+29 25.5	2.039	2.977	6.9	20.2
1 26	6 16.31	+29 16.5	2.104	2.980	10.3	20.4
2 5	6 11.41	+29 2.5	2.192	2.982	13.2	20.6

92826 2000 QL_{179} 12 30.5 200°.26 7°.9/29.6 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 27	7 15.89	+43 5.5	1.872	2.671	14.9	20.3
12 7	7 8.32	+43 59.7	1.799	2.669	12.1	20.1
12 17	6 57.28	+44 39.9	1.750	2.666	9.5	20.0
12 27	6 43.92	+44 58.0	1.726	2.663	8.0	19.9
1 6	6 29.94	+44 49.0	1.730	2.660	8.5	19.9
1 16	6 17.18	+44 13.5	1.760	2.656	10.8	20.0
1 26	6 7.22	+43 16.7	1.816	2.652	13.6	20.2
2 5	6 0.93	+42 6.8	1.892	2.648	16.3	20.4

241774 2001 KD 12 30.5 159°.28 10°.9/ 4.3 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 27	7 4.86	−18 8.3	2.778	3.409	14.2	21.0
12 7	6 58.68	−18 44.1	2.712	3.417	13.0	20.9
12 17	6 50.92	−18 56.7	2.665	3.425	11.9	20.8
12 27	6 42.17	−18 42.7	2.640	3.432	11.1	20.8
1 6	6 33.19	−18 1.0	2.639	3.438	10.9	20.8
1 16	6 24.74	−16 53.4	2.662	3.444	11.3	20.8
1 26	6 17.52	−15 23.9	2.709	3.449	12.2	20.9
2 5	6 12.05	−13 38.4	2.779	3.453	13.3	21.0

461300 2015 XO_{135} 12 30.5 327°.89 1°.5/30.2 17

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 27	7 5.46	+25 24.2	1.865	2.697	13.6	21.5
12 7	7 0.07	+25 55.7	1.787	2.694	10.1	21.3
12 17	6 52.17	+26 28.4	1.734	2.691	6.1	21.0
12 27	6 42.56	+26 58.6	1.707	2.688	2.1	20.8
1 6	6 32.42	+27 23.0	1.710	2.685	3.4	20.8
1 16	6 23.01	+27 39.8	1.741	2.682	7.6	21.1
1 26	6 15.51	+27 49.2	1.799	2.680	11.5	21.3
2 5	6 10.68	+27 52.6	1.879	2.678	14.8	21.5

405800 2006 BQ_{37} 12 30.5 79°.34 2°.4/31.2 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 27	7 4.23	+14 7.3	2.103	2.916	13.0	20.9
12 7	6 58.62	+14 27.2	2.039	2.932	9.8	20.7
12 17	6 51.04	+14 56.3	1.999	2.948	6.2	20.5
12 27	6 42.23	+15 33.0	1.988	2.964	3.0	20.4
1 6	6 33.15	+16 15.0	2.007	2.980	3.4	20.4
1 16	6 24.76	+16 59.9	2.055	2.995	6.7	20.7
1 26	6 17.94	+17 45.4	2.131	3.011	10.0	20.9
2 5	6 13.29	+18 29.7	2.231	3.027	12.9	21.1

145001 2005 EW_{203} 12 30.5 193°.72 0°.7/30.6 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 27	7 9.75	+20 13.3	1.541	2.372	16.0	20.9
12 7	7 3.59	+20 30.2	1.465	2.371	12.0	20.6
12 17	6 54.42	+20 53.1	1.413	2.370	7.2	20.4
12 27	6 43.19	+21 19.3	1.387	2.368	2.1	20.0
1 6	6 31.32	+21 45.5	1.389	2.366	3.5	20.1
1 16	6 20.35	+22 9.4	1.419	2.363	8.6	20.4
1 26	6 11.69	+22 30.2	1.475	2.360	13.2	20.7
2 5	6 6.22	+22 48.3	1.552	2.357	17.1	20.9

453183 2008 EL_{120} 12 30.5 223°.63 5°.9/31.6 17

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 27	7 3.11	+ 4 44.7	2.349	3.129	12.8	21.9
12 7	6 57.73	+ 4 17.1	2.262	3.121	10.4	21.7
12 17	6 50.53	+ 4 2.4	2.198	3.113	7.9	21.5
12 27	6 42.12	+ 4 2.3	2.162	3.105	6.2	21.4
1 6	6 33.31	+ 4 17.5	2.154	3.096	6.2	21.4
1 16	6 24.96	+ 4 46.9	2.175	3.087	8.2	21.5
1 26	6 17.91	+ 5 28.1	2.223	3.078	10.7	21.7
2 5	6 12.77	+ 6 17.7	2.295	3.068	13.2	21.8

244242 2002 CU_{113} 12 30.5 282°.68 0°.2/30.5 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 27	7 6.78	+22 16.2	1.637	2.472	15.0	20.8
12 7	7 1.43	+22 38.3	1.551	2.459	11.2	20.5
12 17	6 53.20	+23 5.0	1.487	2.445	6.8	20.2
12 27	6 42.90	+23 33.0	1.450	2.432	1.8	19.9
1 6	6 31.82	+23 58.9	1.441	2.418	3.4	19.9
1 16	6 21.44	+24 20.5	1.460	2.404	8.4	20.2
1 26	6 13.16	+24 37.1	1.504	2.391	13.0	20.4
2 5	6 7.90	+24 49.5	1.570	2.377	16.8	20.7

446720 2015 OT_{65} 12 30.5 121°.17 1°.7/30.8 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
11 27	7 7.57	+18 10.8	1.904	2.724	13.8	21.9
12 7	7 1.27	+18 8.8	1.837	2.736	10.3	21.7
12 17	6 52.68	+18 12.3	1.795	2.748	6.3	21.5
12 27	6 42.68	+18 20.0	1.781	2.760	2.4	21.2
1 6	6 32.37	+18 30.6	1.796	2.771	3.2	21.3
1 16	6 22.90	+18 42.9	1.840	2.782	7.2	21.6
1 26	6 15.29	+18 56.4	1.912	2.792	11.0	21.8
2 5	6 10.18	+19 10.4	2.007	2.802	14.1	22.1

287323 2002 TZ_{268} 12 30.5 22°.19 10°.4/30.3 17

11 27	7 10.84	+43 51.9	1.198	2.032	19.5	19.6
12 7	7 5.54	+44 52.3	1.157	2.046	15.9	19.4
12 17	6 55.89	+45 31.5	1.136	2.061	12.6	19.3
12 27	6 43.56	+45 39.3	1.136	2.078	10.5	19.2
1 6	6 30.94	+45 11.3	1.159	2.096	10.9	19.3
1 16	6 20.39	+44 11.3	1.205	2.115	13.4	19.5
1 26	6 13.61	+42 48.7	1.272	2.136	16.5	19.8
2 5	6 11.21	+41 14.5	1.359	2.158	19.4	20.0

331995 2005 GU_{144} 12 30.5 219°.31 1°.5/30.4 18

11 27	7 12.08	+27 9.2	1.739	2.564	14.7	21.1
12 7	7 5.18	+27 12.4	1.654	2.556	11.0	20.8
12 17	6 55.32	+27 13.0	1.593	2.548	6.7	20.5
12 27	6 43.45	+27 7.6	1.559	2.539	2.3	20.2
1 6	6 30.95	+26 53.9	1.554	2.529	3.6	20.3
1 16	6 19.34	+26 32.2	1.579	2.519	8.3	20.6
1 26	6 10.00	+26 4.8	1.630	2.508	12.6	20.8
2 5	6 3.78	+25 35.0	1.703	2.497	16.3	21.0

82465 2001 OA_{18} 12 30.5 77°.14 1°.9/30.8 18

11 27	7 9.40	+17 58.4	1.456	2.288	16.7	19.6
12 7	7 3.06	+18 2.8	1.403	2.308	12.4	19.4
12 17	6 53.90	+18 14.8	1.373	2.328	7.6	19.2
12 27	6 43.02	+18 32.6	1.369	2.349	2.8	18.9
1 6	6 31.88	+18 53.7	1.393	2.369	3.8	19.0
1 16	6 21.94	+19 15.9	1.444	2.389	8.5	19.4
1 26	6 14.42	+19 38.3	1.521	2.408	12.8	19.7
2 5	6 9.98	+20 0.0	1.619	2.428	16.3	20.0

456951 2008 AZ_{56} 12 30.5 303°.18 3°.4/31.5 17

11 27	7 4.30	+11 36.0	1.774	2.591	14.9	21.2
12 7	6 59.27	+12 3.6	1.688	2.581	11.5	21.0
12 17	6 51.77	+12 46.0	1.626	2.572	7.6	20.8
12 27	6 42.53	+13 42.1	1.590	2.563	4.1	20.5
1 6	6 32.63	+14 48.7	1.582	2.554	4.3	20.5
1 16	6 23.30	+16 1.8	1.603	2.545	8.1	20.7
1 26	6 15.72	+17 16.9	1.651	2.536	12.1	20.9
2 5	6 10.71	+18 30.4	1.722	2.528	15.7	21.2

249095 2007 VH_{166} 12 30.5 129°.90 3°.5/29.6 18

11 27	7 10.65	+30 53.0	2.180	2.995	12.5	20.4
12 7	7 3.61	+31 54.6	2.116	3.010	9.4	20.2
12 17	6 54.15	+32 53.0	2.077	3.024	6.1	20.1
12 27	6 43.11	+33 42.7	2.068	3.038	3.6	19.9
1 6	6 31.65	+34 19.8	2.088	3.051	4.5	20.0
1 16	6 20.99	+34 42.5	2.139	3.064	7.5	20.2
1 26	6 12.22	+34 52.0	2.218	3.076	10.6	20.4
2 5	6 6.06	+34 51.4	2.320	3.087	13.3	20.6

373308 2012 JZ_{1} 12 30.5 143°.79 0°.1/30.5 17

11 27	7 3.67	+22 17.4	2.701	3.516	10.3	21.5
12 7	6 57.96	+22 38.3	2.625	3.524	7.6	21.4
12 17	6 50.59	+23 1.1	2.576	3.531	4.5	21.2
12 27	6 42.15	+23 24.0	2.557	3.538	1.2	21.0
1 6	6 33.43	+23 45.2	2.568	3.545	2.2	21.0
1 16	6 25.24	+24 3.5	2.611	3.551	5.4	21.3
1 26	6 18.32	+24 18.7	2.683	3.557	8.4	21.5
2 5	6 13.22	+24 30.9	2.779	3.563	10.9	21.7

28899 2000 LV_{11} 12 30.5 120°.31 2°.3/31.4 18

11 27	7 3.27	+12 28.1	2.522	3.324	11.4	18.3
12 7	6 57.77	+13 7.5	2.442	3.328	8.7	18.1
12 17	6 50.53	+13 56.7	2.388	3.333	5.6	18.0
12 27	6 42.15	+14 54.2	2.363	3.337	2.8	17.8
1 6	6 33.41	+15 57.3	2.369	3.341	3.0	17.8
1 16	6 25.14	+17 3.0	2.407	3.345	6.0	18.0
1 26	6 18.12	+18 8.4	2.473	3.349	9.0	18.2
2 5	6 12.93	+19 11.6	2.566	3.353	11.6	18.4

86895 2000 HW_{34} 12 30.5 140°.30 0°.8/30.7 18

11 27	7 8.56	+18 51.2	1.701	2.526	15.0	19.5
12 7	7 2.41	+19 23.4	1.630	2.533	11.2	19.3
12 17	6 53.59	+20 3.2	1.583	2.539	6.7	19.0
12 27	6 43.00	+20 47.2	1.564	2.545	2.0	18.7
1 6	6 31.89	+21 31.9	1.573	2.550	3.2	18.8
1 16	6 21.62	+22 14.0	1.612	2.555	7.9	19.1
1 26	6 13.42	+22 51.9	1.677	2.560	12.0	19.4
2 5	6 8.07	+23 25.2	1.764	2.564	15.6	19.6

457358 2008 SC_{267} 12 30.5 92°.77 4°.6/29.3 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
11 27	7 8.66	+35 53.5	2.443	3.252	11.5	20.7
12 7	7 2.01	+36 59.1	2.386	3.271	8.9	20.6
12 17	6 53.14	+37 58.1	2.356	3.291	6.3	20.4
12 27	6 42.85	+38 45.3	2.353	3.310	4.7	20.4
1 6	6 32.20	+39 17.1	2.381	3.329	5.3	20.4
1 16	6 22.32	+39 32.8	2.439	3.348	7.5	20.6
1 26	6 14.19	+39 33.9	2.523	3.366	10.0	20.8
2 5	6 8.49	+39 23.8	2.630	3.384	12.2	21.0

458265 2010 UV_{9} 12 30.5 359°.59 7°.0/30.9 17

11 27	7 2.57	+ 8 27.2	1.605	2.422	16.1	20.7
12 7	6 57.95	+ 7 19.2	1.535	2.420	12.9	20.5
12 17	6 50.91	+ 6 23.9	1.487	2.419	9.6	20.3
12 27	6 42.28	+ 5 45.3	1.464	2.418	7.3	20.2
1 6	6 33.23	+ 5 25.8	1.468	2.419	7.6	20.2
1 16	6 24.97	+ 5 25.5	1.497	2.420	10.3	20.4
1 26	6 18.61	+ 5 42.3	1.550	2.421	13.6	20.6
2 5	6 14.85	+ 6 12.1	1.624	2.424	16.7	20.8

256429 2007 BD_{61} 12 30.5 18°.36 0°.9/30.4 17

11 27	7 6.03	+25 30.7	1.865	2.696	13.6	20.9
12 7	7 0.40	+25 36.7	1.791	2.697	10.1	20.7
12 17	6 52.32	+25 42.2	1.741	2.698	6.0	20.4
12 27	6 42.65	+25 44.7	1.719	2.700	1.8	20.2
1 6	6 32.57	+25 42.3	1.725	2.701	3.1	20.3
1 16	6 23.32	+25 34.7	1.760	2.703	7.4	20.5
1 26	6 16.01	+25 23.1	1.822	2.705	11.2	20.8
2 5	6 11.33	+25 9.1	1.906	2.707	14.5	21.0

329662 2003 SY_{399} 12 30.5 142°.99 1°.7/30.0 18

11 27	7 5.10	+26 17.4	2.420	3.240	11.2	21.8
12 7	6 59.32	+27 3.0	2.344	3.245	8.3	21.6
12 17	6 51.54	+27 49.1	2.295	3.249	5.1	21.4
12 27	6 42.44	+28 32.0	2.274	3.253	2.0	21.2
1 6	6 32.93	+29 8.8	2.284	3.256	3.1	21.3
1 16	6 23.99	+29 37.7	2.324	3.260	6.3	21.5
1 26	6 16.53	+29 58.3	2.393	3.263	9.4	21.7
2 5	6 11.19	+30 11.9	2.486	3.266	12.1	21.9

164040 2003 UQ_{265} 12 30.5 102°.06 1°.6/30.3 18

11 27	7 10.19	+27 3.7	1.901	2.724	13.7	20.0
12 7	7 3.24	+27 19.5	1.842	2.744	10.1	19.8
12 17	6 53.87	+27 33.3	1.808	2.763	6.1	19.6
12 27	6 43.03	+27 41.8	1.802	2.782	2.2	19.4
1 6	6 31.96	+27 42.9	1.826	2.800	3.4	19.5
1 16	6 21.92	+27 36.4	1.879	2.818	7.3	19.8
1 26	6 13.96	+27 24.1	1.959	2.836	10.9	20.0
2 5	6 8.71	+27 8.2	2.063	2.853	14.0	20.2

85894 1999 CH_{48} 12 30.5 283°.27 2°.0/30.2 18

11 27	7 6.70	+27 36.2	1.902	2.731	13.5	20.1
12 7	7 1.12	+27 56.4	1.812	2.716	10.1	19.8
12 17	6 52.90	+28 15.4	1.746	2.701	6.2	19.5
12 27	6 42.85	+28 29.5	1.707	2.687	2.5	19.3
1 6	6 32.15	+28 35.8	1.698	2.672	3.7	19.3
1 16	6 22.11	+28 33.2	1.717	2.657	7.8	19.5
1 26	6 13.99	+28 23.0	1.762	2.642	11.8	19.8
2 5	6 8.61	+28 7.5	1.830	2.627	15.2	20.0

244899 2003 WU_{77} 12 30.5 179°.49 6°.4/29.9 18

11 27	7 14.73	+15 22.2	1.231	2.061	19.3	19.9
12 7	7 7.55	+13 31.1	1.162	2.061	15.0	19.6
12 17	6 56.87	+11 43.4	1.116	2.062	10.2	19.4
12 27	6 43.89	+10 5.2	1.094	2.062	6.7	19.2
1 6	6 30.41	+ 8 43.1	1.100	2.062	7.8	19.2
1 16	6 18.27	+ 7 42.0	1.132	2.062	12.1	19.5
1 26	6 9.02	+ 7 3.4	1.187	2.061	16.7	19.7
2 5	6 3.51	+ 6 44.9	1.262	2.060	20.7	20.0

77436 2001 GH_{8} 12 30.5 266°.63 0°.9/30.3 18

11 27	7 8.55	+22 20.5	1.479	2.317	16.2	19.5
12 7	7 3.01	+23 5.8	1.401	2.311	12.1	19.3
12 17	6 54.29	+23 57.7	1.346	2.304	7.3	19.0
12 27	6 43.27	+24 51.1	1.316	2.298	2.0	18.6
1 6	6 31.43	+25 40.7	1.314	2.291	3.8	18.7
1 16	6 20.40	+26 22.5	1.340	2.284	9.0	19.0
1 26	6 11.75	+26 55.1	1.391	2.278	13.8	19.3
2 5	6 6.47	+27 19.7	1.463	2.271	17.8	19.5

444740 2007 HM_{74} 12 30.5 286°.80 0°.3/30.5 18

11 27	7 7.16	+22 14.4	1.539	2.377	15.7	21.5
12 7	7 1.91	+22 39.3	1.454	2.364	11.7	21.2
12 17	6 53.60	+23 9.4	1.392	2.350	7.1	20.9
12 27	6 43.09	+23 41.1	1.356	2.337	1.9	20.5
1 6	6 31.75	+24 10.6	1.347	2.324	3.5	20.6
1 16	6 21.14	+24 35.2	1.366	2.311	8.8	20.9
1 26	6 12.76	+24 54.2	1.410	2.298	13.5	21.1
2 5	6 7.59	+25 8.4	1.475	2.286	17.6	21.4

516983 2012 PM_1 12 30.5 314°.18 2°.4/30.6 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
11 27	7 7.20	+19 31.3	1.350	2.192	17.2	20.9
12 7	7 2.05	+18 55.6	1.272	2.182	13.0	20.6
12 17	6 53.69	+18 23.6	1.216	2.173	8.1	20.3
12 27	6 43.11	+17 55.5	1.184	2.163	3.2	20.0
1 6	6 31.82	+17 31.8	1.179	2.154	4.4	20.0
1 16	6 21.50	+17 13.5	1.200	2.146	9.7	20.3
1 26	6 13.65	+17 1.2	1.245	2.137	14.6	20.5
2 5	6 9.20	+16 55.0	1.310	2.130	18.9	20.8

231236 2005 XK_{54} 12 30.5 307°.45 1°.2/30.4 18

11 27	7 6.92	+24 43.0	1.432	2.275	16.3	20.9
12 7	7 1.95	+25 3.2	1.349	2.262	12.2	20.7
12 17	6 53.72	+25 25.6	1.289	2.248	7.4	20.3
12 27	6 43.14	+25 46.2	1.253	2.235	2.2	20.0
1 6	6 31.71	+26 1.2	1.245	2.222	3.9	20.1
1 16	6 21.11	+26 8.6	1.263	2.209	9.3	20.3
1 26	6 12.96	+26 9.2	1.306	2.197	14.2	20.6
2 5	6 8.24	+26 5.1	1.368	2.185	18.4	20.8

143652 2003 RW_{12} 12 30.5 85°.35 2°.0/30.9 18

11 27	7 7.95	+17 24.8	1.716	2.540	14.9	20.5
12 7	7 1.69	+17 26.4	1.659	2.560	11.1	20.3
12 17	6 53.00	+17 34.9	1.626	2.579	6.9	20.1
12 27	6 42.85	+17 49.0	1.620	2.598	2.7	19.9
1 6	6 32.45	+18 6.7	1.642	2.617	3.5	20.0
1 16	6 23.03	+18 26.6	1.694	2.636	7.6	20.3
1 26	6 15.66	+18 47.3	1.771	2.655	11.5	20.6
2 5	6 10.96	+19 8.2	1.872	2.673	14.8	20.8

447635 2006 VL_3 12 30.5 61°.24 6°.7/31.1 18

11 27	7 4.29	+ 6 43.2	1.901	2.699	14.7	21.0
12 7	6 58.90	+ 5 45.7	1.828	2.699	11.9	20.8
12 17	6 51.36	+ 5 0.9	1.777	2.700	9.0	20.6
12 27	6 42.44	+ 4 31.9	1.753	2.701	6.9	20.5
1 6	6 33.14	+ 4 20.4	1.756	2.701	7.2	20.5
1 16	6 24.52	+ 4 26.2	1.787	2.702	9.4	20.6
1 26	6 17.56	+ 4 47.1	1.843	2.703	12.3	20.8
2 5	6 12.91	+ 5 19.6	1.921	2.703	15.1	21.0

443379 2014 HP_7 12 30.5 338°.12 0°.7/30.7 18

11 27	7 4.35	+19 56.2	1.314	2.163	17.1	21.0
12 7	7 0.10	+20 16.4	1.239	2.154	12.9	20.7
12 17	6 52.62	+20 45.0	1.185	2.145	7.8	20.4
12 27	6 42.86	+21 19.1	1.156	2.137	2.3	20.0
1 6	6 32.30	+21 54.7	1.153	2.130	3.8	20.1
1 16	6 22.62	+22 28.7	1.175	2.124	9.4	20.4
1 26	6 15.40	+22 59.2	1.221	2.119	14.4	20.7
2 5	6 11.60	+23 25.7	1.287	2.114	18.7	20.9

152934 2000 EO_{133} 12 30.5 288°.31 1°.8/30.3 18

11 27	7 8.54	+26 13.9	1.495	2.334	16.0	21.0
12 7	7 3.17	+26 34.6	1.406	2.315	12.0	20.7
12 17	6 54.49	+26 55.8	1.339	2.297	7.4	20.4
12 27	6 43.38	+27 13.1	1.297	2.278	2.6	20.0
1 6	6 31.31	+27 22.5	1.283	2.259	4.1	20.1
1 16	6 20.00	+27 22.4	1.296	2.240	9.3	20.3
1 26	6 11.10	+27 13.9	1.334	2.221	14.2	20.6
2 5	6 5.66	+27 0.2	1.392	2.202	18.4	20.8

32723 4028 T-3 12 30.5 171°.94 1°.7/30.1 18

11 27	7 6.87	+27 24.2	2.598	3.411	10.8	19.5
12 7	7 0.50	+27 55.4	2.518	3.415	8.0	19.3
12 17	6 52.21	+28 25.6	2.465	3.418	4.9	19.1
12 27	6 42.66	+28 51.7	2.442	3.421	2.0	18.9
1 6	6 32.75	+29 11.4	2.450	3.422	2.9	19.0
1 16	6 23.41	+29 23.5	2.489	3.424	6.0	19.2
1 26	6 15.50	+29 28.6	2.557	3.425	9.0	19.4
2 5	6 9.65	+29 28.1	2.649	3.425	11.6	19.6

198127 2004 TE_{23} 12 30.5 210°.80 0°.0/30.5 18

11 27	7 8.81	+22 32.0	1.990	2.811	13.3	21.3
12 7	7 2.40	+22 36.7	1.904	2.805	9.9	21.1
12 17	6 53.55	+22 43.2	1.843	2.798	5.9	20.8
12 27	6 43.05	+22 49.5	1.810	2.791	1.6	20.5
1 6	6 32.02	+22 53.6	1.807	2.784	2.9	20.6
1 16	6 21.69	+22 55.0	1.834	2.776	7.2	20.9
1 26	6 13.17	+22 53.9	1.888	2.767	11.2	21.1
2 5	6 7.22	+22 51.4	1.966	2.757	14.5	21.3

1631 Kopff 12 30.5 104°.15 4°.9/29.9 18 R

11 27	7 16.32	+33 24.4	1.551	2.375	16.3	15.8
12 7	7 8.45	+34 15.0	1.500	2.397	12.4	15.6
12 17	6 57.26	+34 57.7	1.472	2.418	8.2	15.4
12 27	6 44.01	+35 25.3	1.470	2.439	5.2	15.3
1 6	6 30.46	+35 33.3	1.497	2.459	6.1	15.4
1 16	6 18.38	+35 22.1	1.551	2.478	9.6	15.7
1 26	6 9.19	+34 56.1	1.630	2.497	13.3	15.9
2 5	6 3.60	+34 21.3	1.731	2.515	16.5	16.2

218141 2002 RV_{44} 12 30.5 93°.18 4°.9/31.5 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
11 27	7 8.51	+10 37.5	1.494	2.311	17.1	20.2
12 7	7 2.39	+10 32.4	1.437	2.327	13.2	20.0
12 17	6 53.57	+10 42.4	1.401	2.343	9.0	19.8
12 27	6 43.05	+11 7.5	1.390	2.359	5.4	19.6
1 6	6 32.18	+11 45.7	1.407	2.374	5.6	19.7
1 16	6 22.35	+12 33.7	1.452	2.389	9.2	19.9
1 26	6 14.76	+13 27.3	1.522	2.404	13.1	20.2
2 5	6 10.12	+14 23.0	1.613	2.418	16.6	20.4

176201 2001 PD_8 12 30.5 33°.95 6°.6/31.0 18

11 27	7 4.37	+ 8 36.6	1.689	2.500	15.7	20.1
12 7	6 59.13	+ 7 35.2	1.624	2.506	12.5	19.9
12 17	6 51.55	+ 6 46.3	1.581	2.512	9.2	19.7
12 27	6 42.51	+ 6 13.4	1.564	2.518	6.8	19.6
1 6	6 33.13	+ 5 58.1	1.573	2.525	7.1	19.6
1 16	6 24.57	+ 6 0.3	1.610	2.532	9.7	19.8
1 26	6 17.88	+ 6 17.6	1.671	2.539	12.9	20.0
2 5	6 13.72	+ 6 46.5	1.753	2.547	15.9	20.2

129906 1999 TF_{78} 12 30.5 94°.93 1°.8/30.3 18

11 27	7 10.85	+27 3.5	1.798	2.623	14.3	20.4
12 7	7 3.86	+27 24.9	1.742	2.645	10.6	20.2
12 17	6 54.31	+27 44.4	1.711	2.666	6.4	20.0
12 27	6 43.22	+27 58.2	1.707	2.687	2.3	19.8
1 6	6 31.90	+28 3.9	1.733	2.707	3.5	19.9
1 16	6 21.68	+28 1.1	1.788	2.727	7.6	20.2
1 26	6 13.67	+27 51.6	1.870	2.747	11.3	20.5
2 5	6 8.50	+27 37.9	1.974	2.766	14.4	20.7

232683 2003 YR_{132} 12 30.5 244°.14 2°.6/29.7 17

11 27	7 4.93	+29 21.0	2.576	3.394	10.7	20.3
12 7	6 59.28	+30 13.2	2.489	3.386	8.0	20.1
12 17	6 51.61	+31 4.5	2.428	3.379	5.1	19.9
12 27	6 42.55	+31 51.0	2.397	3.371	2.8	19.7
1 6	6 32.98	+32 29.3	2.396	3.363	3.6	19.8
1 16	6 23.86	+32 57.5	2.425	3.354	6.5	19.9
1 26	6 16.13	+33 15.5	2.483	3.346	9.4	20.1
2 5	6 10.47	+33 25.0	2.565	3.337	12.0	20.3

143076 2002 WE_{21} 12 30.5 194°.93 5°.0/31.0 18

11 27	7 5.20	+ 9 9.3	2.285	3.078	12.7	20.7
12 7	6 59.30	+ 8 26.0	2.203	3.076	10.0	20.5
12 17	6 51.51	+ 7 51.8	2.145	3.074	7.3	20.3
12 27	6 42.50	+ 7 28.7	2.115	3.071	5.2	20.2
1 6	6 33.14	+ 7 17.6	2.115	3.068	5.5	20.2
1 16	6 24.34	+ 7 18.5	2.144	3.064	7.8	20.3
1 26	6 16.95	+ 7 30.1	2.200	3.060	10.6	20.5
2 5	6 11.57	+ 7 50.3	2.280	3.055	13.3	20.7

2286 Fesenkov 12 30.5 109°.89 0°.6/30.5 18

11 27	7 11.37	+23 30.4	1.412	2.249	16.9	16.3
12 7	7 4.92	+23 49.9	1.350	2.259	12.5	16.1
12 17	6 55.26	+24 11.9	1.311	2.269	7.5	15.8
12 27	6 43.53	+24 32.3	1.297	2.279	2.0	15.5
1 6	6 31.32	+24 47.8	1.311	2.288	3.7	15.6
1 16	6 20.32	+24 56.9	1.352	2.297	8.9	16.0
1 26	6 11.96	+25 0.4	1.418	2.306	13.6	16.3
2 5	6 7.03	+25 0.2	1.506	2.314	17.4	16.5

308304 2005 JH_{165} 12 30.5 5°.73 7°.1/27.9 18

11 27	7 11.85	+35 52.6	1.743	2.564	14.9	19.8
12 7	7 5.66	+37 57.3	1.674	2.564	11.7	19.6
12 17	6 56.04	+39 57.9	1.631	2.565	8.7	19.4
12 27	6 43.84	+41 43.5	1.615	2.565	7.1	19.3
1 6	6 30.57	+43 5.0	1.627	2.565	8.2	19.4
1 16	6 18.03	+43 58.3	1.666	2.566	11.1	19.5
1 26	6 7.96	+44 24.9	1.730	2.567	14.2	19.7
2 5	6 1.49	+44 30.6	1.815	2.567	17.0	19.9

99920 1999 RJ_{90} 12 30.5 313°.65 8°.5/29.1 18

11 27	7 13.12	+42 4.8	1.680	2.492	15.7	18.6
12 7	7 6.69	+43 18.4	1.612	2.489	12.8	18.4
12 17	6 56.59	+44 19.2	1.566	2.487	10.1	18.2
12 27	6 43.94	+44 57.7	1.545	2.485	8.5	18.1
1 6	6 30.51	+45 7.8	1.551	2.482	9.2	18.1
1 16	6 18.27	+44 49.0	1.582	2.480	11.6	18.3
1 26	6 8.94	+44 6.3	1.637	2.478	14.6	18.5
2 5	6 3.48	+43 7.8	1.712	2.476	17.4	18.7

126457 2002 CQ_{28} 12 30.5 15°.55 0°.9/30.3 17

11 27	7 5.22	+23 41.9	1.901	2.731	13.4	19.9
12 7	6 59.86	+24 17.9	1.826	2.732	9.9	19.6
12 17	6 52.08	+24 56.8	1.776	2.733	5.9	19.4
12 27	6 42.69	+25 34.8	1.753	2.734	1.8	19.1
1 6	6 32.80	+26 8.7	1.760	2.736	3.1	19.2
1 16	6 23.62	+26 36.2	1.795	2.737	7.3	19.5
1 26	6 16.27	+26 56.9	1.857	2.739	11.1	19.7
2 5	6 11.50	+27 11.6	1.942	2.741	14.4	19.9

43118 1999 XD_{43} 12 30.5 41°.93 2°.2/30.7 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
11 27	7 4.49	+18 5.9	2.004	2.827	13.1	18.6
12 7	6 58.99	+17 38.5	1.932	2.831	9.9	18.4
12 17	6 51.39	+17 15.2	1.883	2.836	6.2	18.2
12 27	6 42.47	+16 56.3	1.863	2.840	2.7	18.0
1 6	6 33.25	+16 41.7	1.872	2.845	3.4	18.1
1 16	6 24.77	+16 31.5	1.909	2.850	7.1	18.3
1 26	6 17.96	+16 25.8	1.974	2.855	10.6	18.5
2 5	6 13.44	+16 24.2	2.062	2.860	13.7	18.7

138407 2000 HR_{27} 12 30.5 305°.36 18°.3/27.9 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 27	7 8.70	− 4 15.8	1.088	1.880	23.8	19.2
12 7	7 3.56	− 7 34.1	1.030	1.871	21.3	19.0
12 17	6 54.82	−10 28.1	0.990	1.863	19.2	18.8
12 27	6 43.51	−12 41.0	0.969	1.855	18.3	18.7
1 6	6 31.30	−14 1.0	0.969	1.848	19.0	18.7
1 16	6 20.11	−14 23.9	0.987	1.841	20.9	18.8
1 26	6 11.67	−13 55.2	1.021	1.834	23.4	19.0
2 5	6 7.03	−12 47.1	1.069	1.827	26.1	19.1

43564 2001 FG_{108} 12 30.5 171°.74 3°.9/31.5 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 27	7 2.24	+ 9 5.1	2.672	3.463	11.1	19.3
12 7	6 56.90	+ 8 52.7	2.592	3.465	8.7	19.2
12 17	6 50.00	+ 8 49.7	2.537	3.467	6.2	19.0
12 27	6 42.11	+ 8 56.5	2.510	3.469	4.2	18.9
1 6	6 33.93	+ 9 12.8	2.513	3.470	4.4	18.9
1 16	6 26.21	+ 9 37.6	2.546	3.471	6.5	19.0
1 26	6 19.66	+10 9.1	2.608	3.472	9.0	19.2
2 5	6 14.79	+10 45.3	2.694	3.472	11.4	19.4

193336 2000 TB_{67} 12 30.5 85°.55 1°.4/30.8 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 27	7 9.12	+18 33.6	1.639	2.465	15.4	21.1
12 7	7 2.67	+18 44.8	1.584	2.486	11.4	20.9
12 17	6 53.66	+19 2.4	1.553	2.507	6.9	20.7
12 27	6 43.08	+19 24.3	1.548	2.528	2.3	20.4
1 6	6 32.25	+19 47.9	1.572	2.549	3.3	20.5
1 16	6 22.49	+20 11.4	1.625	2.569	7.8	20.9
1 26	6 14.90	+20 33.7	1.705	2.589	11.8	21.1
2 5	6 10.14	+20 54.5	1.806	2.609	15.2	21.4

334093 2001 QP_{160} 12 30.5 98°.96 0°.3/30.5 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 27	7 11.94	+23 27.3	1.682	2.507	15.1	21.6
12 7	7 4.70	+23 36.9	1.628	2.531	11.1	21.4
12 17	6 54.83	+23 47.7	1.598	2.554	6.6	21.2
12 27	6 43.39	+23 56.6	1.595	2.577	1.8	20.9
1 6	6 31.75	+24 1.6	1.622	2.599	3.2	21.0
1 16	6 21.28	+24 2.2	1.677	2.620	7.7	21.4
1 26	6 13.11	+23 59.3	1.760	2.641	11.7	21.6
2 5	6 7.88	+23 54.6	1.865	2.661	15.0	21.9

215744 2004 EB_{48} 12 30.5 350°.55 3°.1/30.1 17

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 27	7 7.26	+29 30.6	1.711	2.545	14.5	20.4
12 7	7 1.72	+30 5.4	1.638	2.543	10.9	20.2
12 17	6 53.35	+30 37.7	1.588	2.542	6.9	19.9
12 27	6 43.06	+31 2.4	1.564	2.541	3.4	19.7
1 6	6 32.21	+31 15.9	1.569	2.540	4.5	19.8
1 16	6 22.26	+31 16.9	1.602	2.539	8.5	20.0
1 26	6 14.51	+31 7.1	1.659	2.539	12.4	20.3
2 5	6 9.77	+30 49.8	1.739	2.538	15.8	20.5

113037 2002 RS_{48} 12 30.5 32°.08 2°.7/31.1 17

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 27	7 2.40	+14 45.2	1.893	2.716	13.8	19.0
12 7	6 57.54	+14 47.1	1.829	2.727	10.4	18.9
12 17	6 50.57	+14 57.9	1.788	2.738	6.7	18.7
12 27	6 42.28	+15 17.0	1.774	2.750	3.3	18.5
1 6	6 33.68	+15 42.7	1.789	2.762	3.7	18.5
1 16	6 25.82	+16 13.1	1.832	2.774	7.2	18.8
1 26	6 19.64	+16 46.2	1.902	2.787	10.7	19.0
2 5	6 15.76	+17 20.2	1.995	2.801	13.8	19.2

51308 2000 KK_{62} 12 30.5 351°.51 3°.3/31.5 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 27	7 3.55	+12 1.1	1.515	2.343	16.4	18.0
12 7	6 59.06	+12 40.0	1.439	2.338	12.6	17.8
12 17	6 51.84	+13 36.0	1.384	2.334	8.2	17.5
12 27	6 42.69	+14 47.4	1.356	2.331	4.1	17.3
1 6	6 32.86	+16 9.5	1.355	2.329	4.4	17.3
1 16	6 23.74	+17 36.5	1.381	2.327	8.7	17.5
1 26	6 16.65	+19 2.9	1.433	2.326	13.1	17.8
2 5	6 12.47	+20 24.5	1.508	2.326	16.9	18.0

221743 2007 EU_{139} 12 30.5 269°.74 0°.5/30.6 17

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 27	7 4.49	+20 51.4	2.080	2.905	12.7	20.8
12 7	6 59.09	+21 4.3	2.001	2.904	9.4	20.5
12 17	6 51.54	+21 20.8	1.947	2.903	5.6	20.3
12 27	6 42.56	+21 39.3	1.920	2.902	1.6	20.0
1 6	6 33.15	+21 57.6	1.923	2.900	2.7	20.1
1 16	6 24.38	+22 14.4	1.956	2.899	6.7	20.4
1 26	6 17.23	+22 29.3	2.016	2.898	10.4	20.6
2 5	6 12.39	+22 42.1	2.099	2.897	13.5	20.8

178817 2001 FZ_{120} 12 30.5 140°.50 1°.0/30.7 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
11 27	7 9.81	+19 23.3	1.699	2.523	15.1	20.1
12 7	7 3.31	+19 39.2	1.631	2.532	11.2	19.9
12 17	6 54.15	+20 1.1	1.586	2.541	6.8	19.6
12 27	6 43.26	+20 26.4	1.568	2.549	2.1	19.4
1 6	6 31.93	+20 52.3	1.580	2.556	3.2	19.5
1 16	6 21.50	+21 16.9	1.620	2.563	7.9	19.7
1 26	6 13.20	+21 39.2	1.687	2.570	12.0	20.0
2 5	6 7.77	+21 59.3	1.777	2.576	15.5	20.3

81421 2000 GX_{100} 12 30.5 200°.08 3°.2/30.9 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 27	7 5.45	+14 21.8	2.126	2.937	12.9	19.7
12 7	6 59.66	+13 57.7	2.044	2.934	9.9	19.5
12 17	6 51.82	+13 40.4	1.987	2.932	6.5	19.3
12 27	6 42.63	+13 30.5	1.957	2.929	3.6	19.1
1 6	6 33.06	+13 27.9	1.958	2.926	4.1	19.2
1 16	6 24.09	+13 32.1	1.987	2.922	7.3	19.3
1 26	6 16.68	+13 42.4	2.044	2.919	10.6	19.6
2 5	6 11.47	+13 57.5	2.125	2.914	13.6	19.7

154110 2002 EP_{24} 12 30.5 286°.76 0°.6/30.7 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 27	7 4.35	+20 52.8	2.042	2.868	12.8	20.8
12 7	6 59.09	+20 58.3	1.956	2.859	9.5	20.6
12 17	6 51.59	+21 7.2	1.895	2.851	5.8	20.3
12 27	6 42.59	+21 18.1	1.861	2.842	1.7	20.0
1 6	6 33.10	+21 29.3	1.856	2.833	2.8	20.1
1 16	6 24.20	+21 39.6	1.881	2.824	6.9	20.3
1 26	6 16.93	+21 48.8	1.933	2.816	10.7	20.6
2 5	6 12.01	+21 56.9	2.007	2.807	13.9	20.8

252278 2001 QN_{237} 12 30.5 51°.12 5°.1/30.1 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 27	7 10.89	+34 42.7	1.582	2.412	15.7	19.9
12 7	7 4.36	+35 21.6	1.536	2.435	12.0	19.7
12 17	6 54.79	+35 51.4	1.512	2.458	8.1	19.5
12 27	6 43.40	+36 5.9	1.514	2.481	5.3	19.4
1 6	6 31.81	+36 2.2	1.543	2.504	6.1	19.5
1 16	6 21.61	+35 41.0	1.600	2.528	9.3	19.8
1 26	6 14.07	+35 6.8	1.681	2.552	12.7	20.0
2 5	6 9.83	+34 24.9	1.784	2.576	15.7	20.3

50582 2000 ED_{42} 12 30.5 171°.82 1°.7/30.2 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 27	7 4.82	+28 37.1	2.800	3.614	10.0	19.7
12 7	6 58.88	+28 52.8	2.720	3.617	7.5	19.5
12 17	6 51.22	+29 6.1	2.667	3.619	4.6	19.3
12 27	6 42.46	+29 14.9	2.643	3.621	2.0	19.1
1 6	6 33.41	+29 17.6	2.650	3.622	2.8	19.2
1 16	6 24.91	+29 13.7	2.688	3.623	5.6	19.4
1 26	6 17.73	+29 4.2	2.755	3.624	8.4	19.6
2 5	6 12.42	+28 50.5	2.846	3.624	10.8	19.7

223439 2003 SU_{285} 12 30.5 351°.04 5°.7/31.1 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 27	7 1.56	+ 9 44.3	1.771	2.587	14.9	19.4
12 7	6 57.12	+ 8 57.2	1.695	2.582	11.8	19.2
12 17	6 50.44	+ 8 21.3	1.642	2.578	8.5	19.0
12 27	6 42.29	+ 7 59.4	1.614	2.574	6.0	18.9
1 6	6 33.70	+ 7 52.7	1.614	2.571	6.3	18.9
1 16	6 25.79	+ 8 0.9	1.640	2.568	9.1	19.0
1 26	6 19.58	+ 8 21.9	1.691	2.567	12.4	19.2
2 5	6 15.76	+ 8 52.6	1.764	2.566	15.5	19.4

483132 2015 OF_{15} 12 30.5 176°.93 0°.0/30.4 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 27	7 8.28	+21 16.3	1.833	2.658	14.1	21.9
12 7	7 2.18	+21 44.2	1.757	2.659	10.5	21.7
12 17	6 53.51	+22 16.9	1.704	2.660	6.3	21.5
12 27	6 43.13	+22 51.1	1.679	2.661	1.7	21.2
1 6	6 32.20	+23 23.6	1.684	2.661	3.0	21.3
1 16	6 22.03	+23 52.0	1.718	2.661	7.5	21.5
1 26	6 13.80	+24 15.8	1.779	2.661	11.6	21.8
2 5	6 8.28	+24 35.2	1.863	2.660	15.0	22.0

152251 2005 SM_{100} 12 30.6 161°.44 0°.4/30.6 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 27	7 9.77	+21 51.7	1.750	2.576	14.6	21.0
12 7	7 3.27	+21 51.1	1.677	2.580	10.9	20.8
12 17	6 54.13	+21 52.9	1.628	2.584	6.5	20.5
12 27	6 43.28	+21 55.3	1.606	2.587	1.8	20.2
1 6	6 31.99	+21 56.4	1.613	2.590	3.1	20.3
1 16	6 21.59	+21 55.7	1.650	2.593	7.7	20.6
1 26	6 13.30	+21 53.7	1.712	2.595	11.9	20.9
2 5	6 7.83	+21 51.3	1.798	2.596	15.4	21.1

309923 2009 FT_{34} 12 30.6 91°.69 2°.5/30.1 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 27	7 8.20	+28 0.5	1.824	2.653	14.0	20.8
12 7	7 2.16	+28 38.8	1.757	2.661	10.4	20.6
12 17	6 53.49	+29 15.8	1.714	2.668	6.4	20.4
12 27	6 43.12	+29 46.9	1.698	2.676	2.9	20.2
1 6	6 32.29	+30 8.3	1.712	2.684	4.0	20.3
1 16	6 22.36	+30 18.8	1.754	2.691	7.9	20.5
1 26	6 14.52	+30 19.5	1.822	2.699	11.6	20.8
2 5	6 9.49	+30 13.0	1.913	2.706	14.8	21.0

37029 2000 UZ_6 12 30.6 70°.36 1°.1/30.4 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
11 27	7 6.04	+25 16.4	1.964	2.792	13.2	18.9
12 7	7 0.33	+25 37.7	1.895	2.800	9.7	18.7
12 17	6 52.31	+25 59.3	1.851	2.807	5.8	18.4
12 27	6 42.80	+26 18.2	1.834	2.815	1.8	18.2
1 6	6 32.92	+26 31.9	1.847	2.823	3.1	18.3
1 16	6 23.85	+26 39.4	1.889	2.831	7.1	18.6
1 26	6 16.61	+26 41.3	1.958	2.839	10.7	18.8
2 5	6 11.88	+26 39.0	2.050	2.847	13.8	19.0

341003 2007 FO_{20} 12 30.6 129°.40 3°.6/31.2 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 27	7 7.88	+13 28.1	1.760	2.575	15.0	21.2
12 7	7 1.72	+13 17.4	1.692	2.585	11.5	21.0
12 17	6 53.14	+13 16.7	1.648	2.594	7.5	20.8
12 27	6 43.02	+13 26.0	1.631	2.603	4.1	20.6
1 6	6 32.53	+13 44.2	1.642	2.612	4.5	20.7
1 16	6 22.90	+14 9.4	1.682	2.620	8.1	20.9
1 26	6 15.19	+14 39.7	1.749	2.628	11.9	21.1
2 5	6 10.10	+15 12.9	1.838	2.636	15.1	21.4

217689 1999 RH_{181} 12 30.6 291°.70 0°.8/30.7 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 27	7 4.51	+20 31.5	2.064	2.888	12.7	20.5
12 7	6 59.12	+20 34.5	1.984	2.887	9.5	20.3
12 17	6 51.57	+20 40.9	1.929	2.885	5.7	20.1
12 27	6 42.61	+20 49.5	1.902	2.883	1.7	19.8
1 6	6 33.23	+20 58.7	1.904	2.881	2.8	19.9
1 16	6 24.50	+21 7.5	1.936	2.879	6.8	20.1
1 26	6 17.40	+21 15.6	1.995	2.877	10.4	20.4
2 5	6 12.61	+21 23.2	2.077	2.876	13.6	20.6

328483 2009 LZ_5 12 30.6 143°.50 0°.0/30.4 16

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 27	7 11.90	+21 58.5	1.873	2.691	14.1	22.8
12 7	7 4.65	+22 19.1	1.805	2.705	10.5	22.6
12 17	6 54.87	+22 42.5	1.763	2.718	6.2	22.4
12 27	6 43.48	+23 5.8	1.748	2.730	1.7	22.1
1 6	6 31.72	+23 26.2	1.764	2.741	3.0	22.2
1 16	6 20.87	+23 42.3	1.810	2.751	7.4	22.5
1 26	6 12.07	+23 54.1	1.883	2.760	11.3	22.8
2 5	6 6.03	+24 2.7	1.980	2.768	14.5	23.0

284023 2004 VP_{38} 12 30.6 169°.84 1°.1/30.7 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 27	7 8.08	+20 7.3	1.887	2.709	13.9	21.4
12 7	7 1.87	+20 4.8	1.811	2.711	10.3	21.2
12 17	6 53.26	+20 6.0	1.759	2.714	6.3	21.0
12 27	6 43.07	+20 9.6	1.735	2.715	2.0	20.7
1 6	6 32.46	+20 14.2	1.740	2.717	3.1	20.8
1 16	6 22.62	+20 18.9	1.775	2.718	7.3	21.1
1 26	6 14.67	+20 23.6	1.837	2.718	11.3	21.3
2 5	6 9.30	+20 28.7	1.922	2.719	14.6	21.5

369490 2010 UR_{62} 12 30.6 67°.35 6°.0/31.6 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 27	7 10.48	+10 2.3	1.202	2.029	19.8	20.7
12 7	7 4.13	+ 9 41.7	1.160	2.055	15.3	20.5
12 17	6 54.68	+ 9 39.5	1.138	2.081	10.5	20.3
12 27	6 43.42	+ 9 56.2	1.140	2.107	6.6	20.2
1 6	6 31.98	+10 29.7	1.167	2.133	6.7	20.3
1 16	6 21.99	+11 16.1	1.221	2.159	10.4	20.6
1 26	6 14.73	+12 10.3	1.298	2.185	14.6	20.9
2 5	6 10.85	+13 7.5	1.395	2.210	18.2	21.2

515153 2011 LR_{20} 12 30.6 98°.66 13°.7/ 7.2 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 27	7 7.22	−20 48.0	2.139	2.769	18.0	21.8
12 7	7 0.77	−21 27.2	2.093	2.792	16.5	21.7
12 17	6 52.35	−21 35.3	2.062	2.814	15.1	21.7
12 27	6 42.79	−21 7.9	2.052	2.836	14.1	21.6
1 6	6 33.06	−20 4.5	2.063	2.858	13.7	21.6
1 16	6 24.15	−18 28.3	2.097	2.879	13.9	21.7
1 26	6 16.93	−16 26.1	2.153	2.900	14.8	21.8
2 5	6 11.94	−14 6.7	2.231	2.920	15.9	21.9

245778 2006 GY_{30} 12 30.6 220°.07 0°.9/30.7 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 27	7 7.38	+20 3.1	2.069	2.888	12.9	22.0
12 7	7 1.30	+20 6.4	1.981	2.880	9.7	21.8
12 17	6 52.93	+20 13.6	1.918	2.872	5.9	21.6
12 27	6 43.01	+20 23.0	1.882	2.863	1.9	21.3
1 6	6 32.56	+20 33.3	1.877	2.854	2.9	21.3
1 16	6 22.71	+20 43.3	1.902	2.844	7.0	21.6
1 26	6 14.53	+20 52.6	1.954	2.834	10.8	21.8
2 5	6 8.75	+21 1.4	2.030	2.823	14.1	22.0

92141 1999 XQ_{115} 12 30.6 53°.53 0°.3/30.6 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 27	7 5.76	+23 7.0	2.011	2.837	13.0	19.1
12 7	6 59.99	+22 51.2	1.939	2.843	9.6	18.9
12 17	6 52.04	+22 35.8	1.892	2.848	5.7	18.7
12 27	6 42.73	+22 19.7	1.873	2.854	1.6	18.4
1 6	6 33.13	+22 2.4	1.883	2.860	2.7	18.5
1 16	6 24.32	+21 44.4	1.923	2.866	6.8	18.8
1 26	6 17.28	+21 26.5	1.990	2.872	10.5	19.1
2 5	6 12.62	+21 9.8	2.080	2.879	13.6	19.3

373283 2012 HD_{48} 12 30.6 128°.66 0°.3/30.7 17

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
11 27	7 3.85	+20 27.9	2.553	3.368	10.9	21.0
12 7	6 58.24	+20 53.7	2.479	3.377	8.0	20.8
12 17	6 50.89	+21 23.1	2.431	3.385	4.8	20.6
12 27	6 42.43	+21 54.0	2.412	3.393	1.3	20.3
1 6	6 33.65	+22 24.4	2.424	3.401	2.3	20.4
1 16	6 25.42	+22 52.8	2.467	3.408	5.6	20.7
1 26	6 18.50	+23 18.2	2.539	3.416	8.7	20.9
2 5	6 13.47	+23 40.6	2.635	3.423	11.3	21.1

283075 2008 SK_{145} 12 30.6 349°.67 4°.5/29.7 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 27	7 6.30	+34 42.8	2.146	2.966	12.5	20.3
12 7	7 0.68	+35 28.8	2.071	2.964	9.6	20.1
12 17	6 52.62	+36 9.0	2.020	2.963	6.6	19.9
12 27	6 42.92	+36 38.3	1.998	2.961	4.6	19.8
1 6	6 32.74	+36 53.3	2.003	2.960	5.3	19.8
1 16	6 23.28	+36 52.9	2.038	2.959	8.0	20.0
1 26	6 15.69	+36 39.1	2.098	2.959	11.0	20.2
2 5	6 10.70	+36 15.4	2.181	2.958	13.7	20.3

281095 2006 UT_{218} 12 30.6 155°.99 4°.9/31.6 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 27	7 4.99	+ 7 20.6	2.339	3.125	12.7	21.6
12 7	6 59.10	+ 7 3.0	2.264	3.132	10.0	21.4
12 17	6 51.40	+ 6 57.1	2.214	3.139	7.3	21.2
12 27	6 42.56	+ 7 3.8	2.191	3.145	5.2	21.1
1 6	6 33.43	+ 7 22.8	2.198	3.151	5.3	21.1
1 16	6 24.86	+ 7 52.8	2.235	3.156	7.5	21.3
1 26	6 17.68	+ 8 31.4	2.299	3.161	10.1	21.5
2 5	6 12.46	+ 9 15.7	2.388	3.165	12.7	21.6

403363 2009 HR_{42} 12 30.6 209°.55 1°.3/30.8 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 27	7 5.77	+18 22.5	2.190	3.006	12.4	21.9
12 7	6 59.98	+18 32.4	2.105	3.002	9.3	21.7
12 17	6 52.09	+18 47.6	2.044	2.997	5.7	21.5
12 27	6 42.78	+19 6.7	2.012	2.992	2.0	21.2
1 6	6 33.02	+19 28.0	2.010	2.986	2.8	21.3
1 16	6 23.81	+19 50.0	2.039	2.980	6.6	21.5
1 26	6 16.14	+20 11.8	2.095	2.974	10.2	21.7
2 5	6 10.67	+20 32.7	2.175	2.967	13.3	21.9

14325 1979 MM_6 12 30.6 260°.48 1°.4/30.8 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 27	7 3.21	+18 55.4	2.424	3.241	11.3	19.3
12 7	6 57.93	+18 47.6	2.334	3.232	8.5	19.1
12 17	6 50.79	+18 43.3	2.270	3.222	5.2	18.9
12 27	6 42.44	+18 41.9	2.234	3.213	2.0	18.6
1 6	6 33.69	+18 42.7	2.228	3.203	2.7	18.7
1 16	6 25.43	+18 45.3	2.252	3.193	6.1	18.9
1 26	6 18.51	+18 49.2	2.305	3.183	9.4	19.0
2 5	6 13.54	+18 54.5	2.381	3.174	12.3	19.2

510628 2012 TP_{174} 12 30.6 58°.84 2°.7/30.8 16

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 27	7 8.41	+17 50.4	1.398	2.234	17.1	20.9
12 7	7 2.51	+17 25.3	1.343	2.249	12.8	20.7
12 17	6 53.74	+17 7.0	1.310	2.265	7.9	20.4
12 27	6 43.21	+16 55.6	1.302	2.280	3.4	20.2
1 6	6 32.41	+16 50.3	1.322	2.296	4.3	20.3
1 16	6 22.80	+16 50.7	1.368	2.313	8.9	20.6
1 26	6 15.64	+16 56.1	1.439	2.329	13.2	20.9
2 5	6 11.58	+17 5.3	1.531	2.345	16.9	21.2

344422 2002 CK_{201} 12 30.6 253°.80 0°.8/30.7 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 27	7 7.08	+20 8.2	1.667	2.498	15.0	20.9
12 7	7 1.52	+20 20.7	1.590	2.496	11.2	20.7
12 17	6 53.25	+20 38.7	1.536	2.493	6.8	20.4
12 27	6 43.13	+20 59.9	1.509	2.490	2.0	20.1
1 6	6 32.43	+21 21.9	1.510	2.487	3.3	20.2
1 16	6 22.53	+21 42.7	1.539	2.484	8.0	20.5
1 26	6 14.67	+22 1.4	1.594	2.481	12.3	20.7
2 5	6 9.69	+22 18.1	1.671	2.478	16.0	21.0

57966 2002 LN_{39} 12 30.6 214°.39 3°.2/31.1 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 27	7 8.91	+14 30.2	1.699	2.517	15.4	20.6
12 7	7 2.81	+14 25.9	1.616	2.511	11.8	20.4
12 17	6 54.02	+14 31.3	1.556	2.504	7.6	20.1
12 27	6 43.35	+14 46.3	1.522	2.497	3.8	19.9
1 6	6 32.04	+15 9.4	1.518	2.490	4.4	19.9
1 16	6 21.44	+15 38.6	1.541	2.481	8.5	20.1
1 26	6 12.81	+16 11.9	1.591	2.472	12.7	20.3
2 5	6 7.01	+16 47.3	1.664	2.463	16.4	20.5

275175 2009 WY_{34} 12 30.6 25°.60 1°.3/30.9 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 27	7 2.97	+17 29.3	2.133	2.954	12.5	20.2
12 7	6 57.92	+17 54.6	2.057	2.957	9.3	20.0
12 17	6 50.86	+18 26.9	2.007	2.960	5.7	19.8
12 27	6 42.47	+19 4.3	1.984	2.963	2.0	19.6
1 6	6 33.68	+19 44.2	1.991	2.967	2.8	19.6
1 16	6 25.48	+20 24.4	2.027	2.971	6.5	19.9
1 26	6 18.80	+21 3.1	2.091	2.974	10.0	20.1
2 5	6 14.26	+21 39.2	2.179	2.979	13.0	20.3

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
211692 2003 WA_{127}		12 30.6 271°91		3°9/29.4 17		
	h m	° ′			°	m
11 27	7 8.69	+29 45.6	1.836	2.664	13.9	20.0
12 7	7 2.94	+31 0.9	1.753	2.654	10.6	19.8
12 17	6 54.26	+32 16.5	1.694	2.645	6.9	19.6
12 27	6 43.46	+33 25.6	1.663	2.635	4.1	19.4
1 6	6 31.80	+34 21.8	1.661	2.625	5.3	19.4
1 16	6 20.76	+35 1.7	1.687	2.615	8.9	19.6
1 26	6 11.77	+35 25.1	1.739	2.605	12.6	19.8
2 5	6 5.80	+35 35.2	1.813	2.595	15.9	20.0
254739 2005 OK_{16}		12 30.6 96°48		2°7/30.4 17		
11 27	7 10.40	+31 35.3	2.036	2.855	13.1	20.7
12 7	7 3.41	+31 38.3	1.973	2.870	9.8	20.5
12 17	6 54.05	+31 35.1	1.935	2.885	6.2	20.3
12 27	6 43.29	+31 22.7	1.925	2.900	3.1	20.1
1 6	6 32.33	+30 59.7	1.945	2.915	3.9	20.2
1 16	6 22.40	+30 27.3	1.994	2.929	7.2	20.5
1 26	6 14.51	+29 48.3	2.070	2.943	10.6	20.7
2 5	6 9.27	+29 6.3	2.171	2.957	13.5	20.9
520873 2014 WY_{277}		12 30.6 98°99		0°8/30.3 18		
11 27	7 6.29	+22 58.8	2.579	3.392	10.8	21.6
12 7	7 0.00	+23 49.9	2.516	3.414	8.0	21.4
12 17	6 51.93	+24 43.1	2.481	3.435	4.7	21.3
12 27	6 42.73	+25 35.1	2.476	3.457	1.4	21.1
1 6	6 33.26	+26 22.8	2.503	3.478	2.5	21.2
1 16	6 24.38	+27 4.3	2.561	3.498	5.7	21.4
1 26	6 16.91	+27 38.9	2.648	3.518	8.6	21.6
2 5	6 11.41	+28 6.9	2.760	3.538	11.1	21.8
487594 2015 KT_{40}		12 30.6 62°10		1°7/30.3 17		
11 27	7 13.75	+24 45.4	1.478	2.309	16.6	21.1
12 7	7 6.21	+25 36.7	1.444	2.350	12.1	20.9
12 17	6 55.79	+26 28.3	1.433	2.390	7.2	20.7
12 27	6 43.74	+27 14.2	1.449	2.429	2.4	20.5
1 6	6 31.65	+27 50.1	1.494	2.469	3.9	20.7
1 16	6 21.04	+28 14.5	1.567	2.507	8.3	21.0
1 26	6 13.07	+28 28.6	1.666	2.546	12.3	21.4
2 5	6 8.35	+28 35.2	1.786	2.583	15.5	21.7
452614 2005 QA_{123}		12 30.6 118°21		3°2/31.2 18		
11 27	7 4.56	+13 29.0	2.029	2.842	13.4	21.5
12 7	6 59.09	+13 21.2	1.955	2.847	10.2	21.3
12 17	6 51.54	+13 22.2	1.906	2.851	6.7	21.1
12 27	6 42.66	+13 32.1	1.884	2.856	3.7	20.9
1 6	6 33.42	+13 49.9	1.891	2.860	4.1	20.9
1 16	6 24.84	+14 14.2	1.927	2.865	7.3	21.1
1 26	6 17.86	+14 43.1	1.990	2.869	10.7	21.4
2 5	6 13.11	+15 14.7	2.077	2.873	13.7	21.6
11592 Clintkelly		12 30.6 190°35		1°6/30.8 18		
11 27	7 9.85	+18 3.4	1.718	2.540	15.0	19.4
12 7	7 3.48	+18 11.2	1.640	2.539	11.3	19.2
12 17	6 54.39	+18 25.9	1.584	2.538	7.0	18.9
12 27	6 43.47	+18 45.9	1.556	2.536	2.5	18.7
1 6	6 31.96	+19 8.8	1.557	2.533	3.5	18.7
1 16	6 21.24	+19 32.6	1.587	2.530	8.0	19.0
1 26	6 12.56	+19 56.2	1.644	2.526	12.3	19.2
2 5	6 6.75	+20 19.1	1.723	2.522	15.9	19.5
274685 2008 UZ_{28}		12 30.6 140°22		3°3/31.1 18		
11 27	7 2.46	+12 28.0	2.515	3.319	11.4	21.0
12 7	6 57.19	+12 7.8	2.438	3.323	8.8	20.8
12 17	6 50.26	+11 54.8	2.386	3.326	5.9	20.7
12 27	6 42.31	+11 49.6	2.363	3.330	3.6	20.5
1 6	6 34.08	+11 52.1	2.369	3.334	3.9	20.5
1 16	6 26.37	+12 1.7	2.406	3.337	6.4	20.7
1 26	6 19.92	+12 17.3	2.470	3.341	9.2	20.9
2 5	6 15.26	+12 37.3	2.558	3.344	11.7	21.1
35694 1999 CP_{54}		12 30.6 59°41		0°6/30.5 18		R
11 27	7 11.24	+23 14.4	1.141	1.991	19.1	17.9
12 7	7 5.25	+23 34.3	1.093	2.008	14.1	17.6
12 17	6 55.65	+23 57.5	1.065	2.026	8.4	17.4
12 27	6 43.78	+24 19.5	1.062	2.043	2.3	17.0
1 6	6 31.56	+24 36.2	1.084	2.061	4.1	17.2
1 16	6 20.91	+24 46.1	1.131	2.080	9.8	17.6
1 26	6 13.36	+24 50.2	1.202	2.098	14.8	17.9
2 5	6 9.64	+24 50.6	1.293	2.116	18.9	18.2
147580 2004 FW_{125}		12 30.6 338°57		2°4/30.8 18		
11 27	7 6.07	+18 19.4	1.273	2.119	17.8	20.0
12 7	7 1.40	+18 5.7	1.201	2.113	13.4	19.7
12 17	6 53.47	+17 59.6	1.150	2.108	8.4	19.4
12 27	6 43.26	+18 0.5	1.123	2.103	3.3	19.1
1 6	6 32.34	+18 7.1	1.122	2.098	4.4	19.1
1 16	6 22.42	+18 18.0	1.146	2.094	9.7	19.4
1 26	6 15.03	+18 32.3	1.194	2.091	14.7	19.7
2 5	6 11.11	+18 48.9	1.261	2.088	19.0	20.0

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
154998 2005 NN_{1}		12 30.6 97°82		0°8/30.7 18		R
	h m	° ′			°	m
11 27	7 11.47	+19 54.9	1.644	2.468	15.5	20.6
12 7	7 4.44	+20 10.7	1.591	2.492	11.5	20.4
12 17	6 54.77	+20 31.7	1.561	2.516	6.8	20.2
12 27	6 43.52	+20 54.9	1.558	2.539	2.0	19.9
1 6	6 32.03	+21 17.7	1.585	2.562	3.2	20.1
1 16	6 21.66	+21 38.2	1.640	2.584	7.8	20.4
1 26	6 13.57	+21 56.2	1.722	2.605	11.8	20.7
2 5	6 8.38	+22 11.8	1.827	2.625	15.2	20.9
13604 1994 PA_{39}		12 30.6 208°23		1°2/30.7 18		
11 27	7 9.36	+19 39.7	1.928	2.746	13.8	19.9
12 7	7 2.91	+19 38.5	1.842	2.741	10.3	19.7
12 17	6 53.98	+19 41.4	1.781	2.734	6.3	19.4
12 27	6 43.36	+19 47.0	1.747	2.727	2.1	19.1
1 6	6 32.18	+19 53.9	1.744	2.720	3.1	19.2
1 16	6 21.69	+20 1.0	1.770	2.711	7.4	19.4
1 26	6 13.03	+20 8.2	1.823	2.702	11.5	19.7
2 5	6 6.98	+20 15.6	1.900	2.692	14.9	19.9
31887 2000 FM_{33}		12 30.6 186°64		3°2/29.7 18		
11 27	7 8.96	+30 15.1	2.256	3.072	12.1	18.1
12 7	7 2.53	+31 11.1	2.177	3.072	9.1	17.9
12 17	6 53.72	+32 5.3	2.123	3.071	5.9	17.7
12 27	6 43.29	+32 52.6	2.098	3.070	3.3	17.6
1 6	6 32.31	+33 29.0	2.104	3.069	4.3	17.6
1 16	6 21.93	+33 52.5	2.139	3.067	7.4	17.8
1 26	6 13.28	+34 3.8	2.203	3.064	10.5	18.0
2 5	6 7.11	+34 5.3	2.289	3.061	13.3	18.2
482669 2013 CQ_{16}		12 30.6 280°63		12°5/29.9 18		
11 27	7 32.18	+58 0.5	2.007	2.733	16.4	20.8
12 7	7 21.68	+58 49.4	1.916	2.708	14.8	20.6
12 17	7 5.95	+59 14.0	1.845	2.682	13.4	20.4
12 27	6 46.63	+59 1.4	1.796	2.656	12.5	20.3
1 6	6 26.52	+58 4.3	1.772	2.630	12.8	20.3
1 16	6 8.68	+56 23.8	1.773	2.603	14.1	20.3
1 26	5 55.35	+54 9.4	1.797	2.576	16.1	20.4
2 5	5 47.39	+51 35.1	1.843	2.549	18.3	20.5
455490 2003 US_{338}		12 30.6 23°66		1°5/30.4 17		
11 27	7 4.53	+25 56.9	1.757	2.594	14.1	21.1
12 7	6 59.48	+26 18.7	1.693	2.601	10.4	20.9
12 17	6 51.93	+26 40.5	1.652	2.610	6.3	20.7
12 27	6 42.79	+26 58.9	1.638	2.618	2.1	20.4
1 6	6 33.28	+27 11.2	1.652	2.628	3.4	20.5
1 16	6 24.65	+27 16.4	1.695	2.638	7.6	20.8
1 26	6 18.02	+27 15.4	1.763	2.649	11.4	21.0
2 5	6 14.08	+27 9.7	1.854	2.660	14.7	21.3
397181 2006 AJ_{40}		12 30.6 298°42		1°0/30.5 18		
11 27	7 7.99	+25 7.1	1.544	2.382	15.6	21.4
12 7	7 2.53	+25 15.5	1.465	2.374	11.7	21.1
12 17	6 54.02	+25 24.2	1.407	2.365	7.1	20.8
12 27	6 43.42	+25 30.0	1.376	2.357	2.1	20.5
1 6	6 32.12	+25 30.3	1.372	2.349	3.6	20.6
1 16	6 21.71	+25 24.3	1.396	2.341	8.6	20.9
1 26	6 13.62	+25 13.3	1.445	2.333	13.3	21.1
2 5	6 8.74	+24 59.6	1.515	2.326	17.2	21.3
391511 2007 RK_{69}		12 30.6 99°25		5°6/29.9 18		
11 27	7 11.69	+36 5.3	1.724	2.546	15.0	21.3
12 7	7 5.16	+36 50.8	1.658	2.551	11.6	21.1
12 17	6 55.50	+37 27.5	1.614	2.555	8.2	20.9
12 27	6 43.78	+37 48.7	1.597	2.559	5.8	20.8
1 6	6 31.55	+37 50.1	1.608	2.564	6.5	20.9
1 16	6 20.43	+37 31.8	1.645	2.568	9.5	21.1
1 26	6 11.84	+36 57.6	1.708	2.572	13.0	21.3
2 5	6 6.59	+36 13.4	1.793	2.576	16.0	21.5
197989 2004 RC_{156}		12 30.6 70°66		1°2/30.5 18		
11 27	7 10.10	+26 13.8	1.525	2.360	15.9	20.6
12 7	7 3.82	+26 12.7	1.463	2.371	11.8	20.4
12 17	6 54.59	+26 9.8	1.424	2.381	7.1	20.2
12 27	6 43.52	+26 2.3	1.411	2.392	2.2	19.9
1 6	6 32.11	+25 48.3	1.426	2.402	3.6	20.0
1 16	6 21.87	+25 28.5	1.468	2.413	8.4	20.3
1 26	6 14.11	+25 5.0	1.537	2.424	12.7	20.6
2 5	6 9.52	+24 40.6	1.626	2.434	16.3	20.9
29276 1993 FO_{33}		12 30.6 177°73		0°9/30.4 18		
11 27	7 10.43	+24 31.9	2.003	2.822	13.3	20.2
12 7	7 3.65	+24 55.3	1.925	2.825	9.9	20.0
12 17	6 54.39	+25 19.6	1.871	2.826	5.9	19.8
12 27	6 43.49	+25 41.7	1.847	2.827	1.8	19.5
1 6	6 32.10	+25 58.6	1.852	2.828	3.1	19.6
1 16	6 21.46	+26 9.1	1.887	2.827	7.2	19.9
1 26	6 12.71	+26 13.6	1.950	2.826	11.0	20.1
2 5	6 6.59	+26 13.8	2.037	2.824	14.2	20.3

19714 1999 *UD* 12 30.6 145°.17 4°.2/31.2 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
11 27	7 9.82	+12 21.3	1.808	2.615	15.0	18.9
12 7	7 3.10	+11 59.9	1.740	2.626	11.6	18.7
12 17	6 53.99	+11 48.6	1.695	2.637	7.8	18.5
12 27	6 43.36	+11 48.0	1.678	2.647	4.6	18.3
1 6	6 32.38	+11 57.8	1.690	2.656	5.0	18.4
1 16	6 22.25	+12 16.4	1.730	2.664	8.3	18.6
1 26	6 14.06	+12 42.1	1.798	2.671	11.9	18.8
2 5	6 8.48	+13 12.4	1.888	2.678	15.1	19.1

297533 2001 FF_{156} 12 30.6 300°.00 5°.4/29.9 17

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 27	7 10.59	+35 42.4	1.696	2.521	15.0	20.2
12 7	7 4.49	+36 20.8	1.620	2.515	11.7	20.0
12 17	6 55.21	+36 50.8	1.567	2.510	8.2	19.7
12 27	6 43.75	+37 5.9	1.540	2.505	5.6	19.6
1 6	6 31.64	+37 1.7	1.541	2.499	6.4	19.6
1 16	6 20.56	+36 38.1	1.568	2.494	9.6	19.8
1 26	6 11.99	+35 58.9	1.621	2.489	13.3	20.0
2 5	6 6.78	+35 10.0	1.695	2.484	16.6	20.2

275812 2001 RG_1 12 30.6 74°.25 3°.8/30.3 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 27	7 12.55	+31 24.0	1.457	2.291	16.6	20.4
12 7	7 5.85	+31 49.9	1.402	2.306	12.5	20.2
12 17	6 55.88	+32 9.5	1.369	2.321	8.0	20.0
12 27	6 43.88	+32 17.0	1.361	2.336	4.2	19.8
1 6	6 31.54	+32 9.4	1.381	2.351	5.2	19.9
1 16	6 20.61	+31 47.2	1.428	2.366	9.3	20.2
1 26	6 12.47	+31 14.4	1.500	2.380	13.4	20.4
2 5	6 7.84	+30 36.2	1.593	2.395	16.9	20.7

53834 2000 ES_{179} 12 30.6 221°.13 2°.6/29.9 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 27	7 8.66	+29 2.9	2.342	3.157	11.7	20.0
12 7	7 2.29	+29 51.6	2.251	3.148	8.8	19.8
12 17	6 53.61	+30 39.3	2.187	3.138	5.6	19.5
12 27	6 43.31	+31 21.7	2.152	3.127	2.9	19.3
1 6	6 32.39	+31 55.1	2.148	3.116	3.8	19.4
1 16	6 21.98	+32 17.4	2.174	3.104	7.1	19.6
1 26	6 13.16	+32 29.0	2.228	3.092	10.3	19.8
2 5	6 6.72	+32 31.9	2.306	3.079	13.2	19.9

232094 2001 XP_{54} 12 30.6 0°.91 1°.1/30.4 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 27	7 5.08	+23 45.0	1.204	2.061	17.9	20.0
12 7	7 0.92	+24 11.4	1.140	2.058	13.4	19.7
12 17	6 53.28	+24 41.8	1.096	2.057	8.0	19.4
12 27	6 43.27	+25 11.7	1.075	2.057	2.3	19.1
1 6	6 32.54	+25 36.7	1.080	2.058	4.1	19.2
1 16	6 22.95	+25 54.1	1.110	2.060	9.7	19.5
1 26	6 16.11	+26 4.0	1.163	2.063	14.8	19.8
2 5	6 12.94	+26 8.2	1.235	2.067	19.1	20.1

523232 2016 YO_{13} 12 30.6 208°.58 6°.3/28.9 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 27	7 11.96	+37 18.5	1.950	2.763	13.8	21.9
12 7	7 5.41	+38 40.8	1.876	2.761	10.9	21.7
12 17	6 55.77	+39 56.4	1.826	2.758	8.1	21.5
12 27	6 43.94	+40 57.2	1.803	2.754	6.4	21.4
1 6	6 31.29	+41 37.0	1.808	2.751	7.2	21.4
1 16	6 19.42	+41 53.8	1.842	2.747	9.8	21.6
1 26	6 9.82	+41 49.9	1.900	2.743	12.8	21.7
2 5	6 3.43	+41 30.5	1.980	2.738	15.6	21.9

312689 2010 ND_{50} 12 30.6 92°.05 1°.7/30.4 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 27	7 7.60	+27 33.2	1.940	2.767	13.3	20.8
12 7	7 1.58	+27 45.7	1.869	2.772	9.9	20.6
12 17	6 53.14	+27 56.1	1.822	2.778	6.0	20.4
12 27	6 43.16	+28 1.3	1.803	2.783	2.3	20.2
1 6	6 32.80	+27 59.3	1.814	2.788	3.4	20.2
1 16	6 23.29	+27 49.9	1.853	2.793	7.3	20.5
1 26	6 15.72	+27 34.4	1.919	2.799	11.0	20.7
2 5	6 10.77	+27 15.3	2.008	2.804	14.1	21.0

4643 Cisneros 12 30.6 155°.86 0°.1/30.6 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 27	7 10.12	+21 50.6	1.966	2.784	13.5	18.0
12 7	7 3.34	+22 5.1	1.893	2.792	10.0	17.8
12 17	6 54.17	+22 22.3	1.845	2.800	6.0	17.5
12 27	6 43.44	+22 39.8	1.826	2.807	1.6	17.3
1 6	6 32.31	+22 55.3	1.836	2.813	2.8	17.4
1 16	6 21.99	+23 7.6	1.877	2.818	7.1	17.6
1 26	6 13.55	+23 16.6	1.945	2.823	10.9	17.9
2 5	6 7.70	+23 23.2	2.037	2.827	14.1	18.1

134985 2001 FY_{80} 12 30.6 210°.68 3°.6/30.3 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 27	7 11.82	+33 54.2	2.130	2.943	12.8	20.4
12 7	7 4.71	+34 5.1	2.046	2.937	9.8	20.2
12 17	6 55.04	+34 8.7	1.987	2.932	6.5	20.0
12 27	6 43.68	+34 0.7	1.956	2.926	3.9	19.8
1 6	6 31.88	+33 39.0	1.954	2.919	4.6	19.9
1 16	6 20.94	+33 4.2	1.983	2.912	7.7	20.1
1 26	6 12.01	+32 19.5	2.039	2.904	11.0	20.3
2 5	6 5.83	+31 29.4	2.118	2.896	14.0	20.4

77924 2002 ES_{88} 12 30.6 204°.27 0°.0/30.4 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
11 27	7 10.74	+21 54.6	1.663	2.490	15.2	20.5
12 7	7 4.35	+22 14.0	1.583	2.486	11.4	20.3
12 17	6 55.05	+22 37.5	1.526	2.482	6.8	20.0
12 27	6 43.74	+23 1.9	1.496	2.478	1.8	19.7
1 6	6 31.75	+23 24.0	1.495	2.472	3.3	19.8
1 16	6 20.57	+23 41.9	1.523	2.467	8.2	20.0
1 26	6 11.57	+23 55.2	1.577	2.460	12.7	20.3
2 5	6 5.64	+24 5.1	1.653	2.453	16.5	20.5

215194 2000 SN_{18} 12 30.6 174°.19 1°.7/30.5 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 27	7 14.22	+27 41.1	1.719	2.541	15.0	20.8
12 7	7 6.77	+27 43.5	1.644	2.544	11.2	20.6
12 17	6 56.37	+27 42.7	1.592	2.547	6.8	20.4
12 27	6 44.05	+27 34.9	1.569	2.549	2.4	20.1
1 6	6 31.27	+27 18.2	1.575	2.550	3.7	20.2
1 16	6 19.54	+26 53.3	1.610	2.550	8.2	20.4
1 26	6 10.20	+26 22.7	1.672	2.550	12.4	20.7
2 5	6 4.01	+25 50.3	1.756	2.548	15.9	20.9

89592 2001 XC_{146} 12 30.6 104°.71 0°.5/30.7 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 27	7 9.98	+20 25.7	1.725	2.550	14.9	20.1
12 7	7 3.36	+20 43.7	1.666	2.568	11.0	19.9
12 17	6 54.20	+21 6.3	1.630	2.585	6.6	19.7
12 27	6 43.45	+21 30.7	1.622	2.603	1.9	19.5
1 6	6 32.38	+21 54.3	1.643	2.620	3.1	19.6
1 16	6 22.31	+22 15.4	1.693	2.636	7.6	19.9
1 26	6 14.35	+22 33.3	1.769	2.652	11.6	20.2
2 5	6 9.19	+22 48.5	1.869	2.668	14.9	20.4

249016 2007 RK_{116} 12 30.6 178°.51 4°.8/29.8 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 27	7 7.77	+38 48.9	2.583	3.385	11.1	20.9
12 7	7 1.46	+39 22.2	2.507	3.386	8.8	20.7
12 17	6 52.99	+39 47.0	2.457	3.386	6.4	20.6
12 27	6 43.13	+39 59.2	2.434	3.386	4.9	20.5
1 6	6 32.90	+39 56.3	2.441	3.386	5.4	20.5
1 16	6 23.38	+39 38.2	2.477	3.386	7.4	20.7
1 26	6 15.56	+39 7.3	2.540	3.386	9.8	20.8
2 5	6 10.08	+38 27.4	2.626	3.386	12.1	21.0

3661 Dolmatovskij 12 30.6 303°.30 1°.0/30.4 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 27	7 5.26	+25 14.4	2.033	2.861	12.8	16.8
12 7	6 59.87	+25 30.2	1.951	2.856	9.5	16.6
12 17	6 52.17	+25 46.4	1.894	2.850	5.7	16.3
12 27	6 42.93	+26 0.3	1.864	2.845	1.8	16.0
1 6	6 33.21	+26 9.6	1.864	2.840	3.0	16.1
1 16	6 24.15	+26 13.3	1.893	2.835	7.0	16.4
1 26	6 16.82	+26 12.0	1.949	2.830	10.7	16.6
2 5	6 11.93	+26 7.0	2.028	2.825	13.9	16.8

391621 2007 VE_{54} 12 30.6 85°.61 6°.6/31.4 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 27	7 6.84	+ 7 4.0	1.802	2.600	15.4	20.6
12 7	7 0.77	+ 6 9.7	1.746	2.618	12.3	20.4
12 17	6 52.53	+ 5 29.4	1.712	2.637	9.1	20.3
12 27	6 42.99	+ 5 5.8	1.705	2.655	6.9	20.2
1 6	6 33.23	+ 4 59.9	1.725	2.673	7.0	20.2
1 16	6 24.35	+ 5 10.6	1.773	2.691	9.3	20.4
1 26	6 17.31	+ 5 35.4	1.847	2.708	12.2	20.6
2 5	6 12.69	+ 6 10.3	1.942	2.725	15.0	20.9

81883 2000 LP_{16} 12 30.6 140°.02 4°.6/31.5 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 27	7 4.98	+ 7 58.1	2.538	3.322	11.9	19.8
12 7	6 58.96	+ 7 32.0	2.468	3.335	9.4	19.7
12 17	6 51.31	+ 7 15.8	2.423	3.347	6.8	19.6
12 27	6 42.66	+ 7 10.7	2.406	3.359	4.9	19.5
1 6	6 33.78	+ 7 16.7	2.419	3.371	5.0	19.5
1 16	6 25.48	+ 7 33.0	2.463	3.382	7.0	19.6
1 26	6 18.47	+ 7 57.8	2.534	3.392	9.5	19.8
2 5	6 13.26	+ 8 28.7	2.630	3.401	11.8	20.0

6547 Vasilkarazin 12 30.6 82°.42 2°.7/30.9 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 27	7 9.46	+16 17.9	1.715	2.534	15.2	18.6
12 7	7 2.77	+16 3.6	1.664	2.560	11.3	18.4
12 17	6 53.72	+15 56.8	1.636	2.586	7.1	18.3
12 27	6 43.30	+15 56.7	1.636	2.612	3.3	18.1
1 6	6 32.73	+16 2.5	1.665	2.638	3.9	18.2
1 16	6 23.22	+16 13.0	1.722	2.663	7.7	18.5
1 26	6 15.79	+16 27.1	1.806	2.687	11.4	18.7
2 5	6 11.02	+16 43.7	1.913	2.712	14.6	19.0

249413 2009 DA_{36} 12 30.6 157°.69 0°.3/30.7 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 27	7 6.81	+21 23.1	2.013	2.835	13.1	21.4
12 7	7 0.91	+21 36.8	1.937	2.839	9.7	21.2
12 17	6 52.74	+21 53.8	1.886	2.842	5.8	21.0
12 27	6 43.08	+22 11.9	1.863	2.844	1.6	20.7
1 6	6 33.01	+22 29.1	1.870	2.847	2.8	20.8
1 16	6 23.64	+22 44.0	1.906	2.849	6.9	21.1
1 26	6 16.01	+22 56.3	1.970	2.851	10.6	21.3
2 5	6 10.81	+23 6.3	2.057	2.853	13.8	21.5

97471 2000 CS_{40} 12 30.6 258°.28 3°.9/31.7 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
11 27	7 2.47	+ 9 0.0	2.428	3.223	12.0	20.0
12 7	6 57.41	+ 9 6.9	2.337	3.213	9.4	19.8
12 17	6 50.56	+ 9 25.2	2.270	3.203	6.6	19.6
12 27	6 42.50	+ 9 55.1	2.231	3.193	4.3	19.4
1 6	6 34.00	+10 35.5	2.221	3.183	4.4	19.4
1 16	6 25.91	+11 24.4	2.242	3.173	6.8	19.6
1 26	6 19.06	+12 19.1	2.290	3.162	9.7	19.7
2 5	6 14.05	+13 16.7	2.364	3.152	12.5	19.9

494110 2016 CT_{50} 12 30.6 173°.28 2°.3/30.1 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 27	7 5.05	+30 7.7	2.748	3.562	10.2	21.8
12 7	6 59.21	+30 34.2	2.668	3.564	7.6	21.6
12 17	6 51.57	+30 57.8	2.615	3.565	4.8	21.5
12 27	6 42.76	+31 15.8	2.592	3.566	2.5	21.3
1 6	6 33.62	+31 26.3	2.599	3.567	3.2	21.4
1 16	6 25.01	+31 28.4	2.636	3.568	5.9	21.5
1 26	6 17.77	+31 23.0	2.702	3.568	8.6	21.7
2 5	6 12.46	+31 11.9	2.792	3.568	11.1	21.9

57839 2001 XF_{50} 12 30.6 206°.96 0°.7/30.5 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 27	7 9.38	+23 50.2	1.927	2.750	13.6	20.3
12 7	7 3.04	+24 10.1	1.844	2.745	10.1	20.1
12 17	6 54.14	+24 31.8	1.785	2.740	6.1	19.8
12 27	6 43.50	+24 52.1	1.754	2.735	1.7	19.5
1 6	6 32.28	+25 8.4	1.752	2.729	3.1	19.6
1 16	6 21.76	+25 19.1	1.781	2.722	7.4	19.9
1 26	6 13.13	+25 24.6	1.836	2.715	11.4	20.1
2 5	6 7.19	+25 26.3	1.914	2.707	14.8	20.3

191651 2004 PU_{56} 12 30.6 153°.16 2°.2/30.9 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 27	7 8.91	+17 41.6	1.869	2.687	14.2	20.7
12 7	7 2.48	+17 26.3	1.796	2.693	10.6	20.5
12 17	6 53.67	+17 16.3	1.748	2.699	6.6	20.3
12 27	6 43.34	+17 11.1	1.727	2.705	2.8	20.0
1 6	6 32.64	+17 10.0	1.736	2.710	3.5	20.1
1 16	6 22.76	+17 12.4	1.774	2.714	7.5	20.4
1 26	6 14.77	+17 18.0	1.839	2.718	11.4	20.6
2 5	6 9.35	+17 26.2	1.927	2.722	14.6	20.8

463925 2014 UV_{157} 12 30.6 91°.08 0°.5/30.5 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 27	7 5.26	+23 9.4	2.281	3.102	11.8	21.6
12 7	6 59.49	+23 35.0	2.216	3.117	8.7	21.4
12 17	6 51.76	+24 2.3	2.175	3.131	5.2	21.2
12 27	6 42.82	+24 28.9	2.164	3.145	1.4	21.0
1 6	6 33.58	+24 52.5	2.182	3.159	2.5	21.1
1 16	6 25.02	+25 11.7	2.231	3.173	6.1	21.3
1 26	6 18.01	+25 26.4	2.308	3.186	9.4	21.6
2 5	6 13.14	+25 37.1	2.409	3.200	12.2	21.8

234732 2002 LH_{31} 12 30.6 136°.79 0°.6/30.7 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 27	7 8.51	+20 53.0	2.521	3.328	11.2	22.3
12 7	7 1.59	+20 53.7	2.452	3.346	8.3	22.1
12 17	6 52.89	+20 56.4	2.410	3.363	5.0	22.0
12 27	6 43.11	+20 59.8	2.398	3.379	1.5	21.7
1 6	6 33.11	+21 2.8	2.417	3.394	2.4	21.8
1 16	6 23.80	+21 5.0	2.468	3.408	5.8	22.1
1 26	6 15.97	+21 6.3	2.548	3.421	8.8	22.3
2 5	6 10.15	+21 7.3	2.654	3.434	11.5	22.5

286207 2001 UH_{90} 12 30.6 355°.63 1°.7/30.9 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 27	7 3.79	+18 41.7	1.186	2.041	18.3	20.5
12 7	6 59.93	+18 48.9	1.119	2.036	13.7	20.2
12 17	6 52.72	+19 5.4	1.073	2.032	8.4	19.9
12 27	6 43.19	+19 29.6	1.049	2.030	2.9	19.5
1 6	6 32.92	+19 58.3	1.051	2.029	4.1	19.6
1 16	6 23.70	+20 28.3	1.077	2.028	9.7	19.9
1 26	6 17.10	+20 57.8	1.126	2.029	14.9	20.2
2 5	6 14.05	+21 25.3	1.195	2.031	19.3	20.5

434172 2002 TR_{155} 12 30.6 57°52 5°.5/30.9 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 27	7 8.64	+13 13.3	1.302	2.134	18.3	20.2
12 7	7 2.86	+12 17.9	1.247	2.147	14.1	19.9
12 17	6 54.09	+11 33.9	1.214	2.160	9.6	19.7
12 27	6 43.48	+11 4.0	1.204	2.174	5.9	19.6
1 6	6 32.55	+10 49.5	1.221	2.187	6.4	19.6
1 16	6 22.84	+10 49.8	1.264	2.201	10.3	19.9
1 26	6 15.65	+11 2.9	1.330	2.216	14.4	20.2
2 5	6 11.68	+11 25.3	1.417	2.230	18.1	20.4

71373 2000 AQ_{140} 12 30.6 260°.82 0°.3/30.7 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 27	7 7.25	+21 35.0	2.079	2.900	12.8	19.5
12 7	7 1.44	+21 45.4	1.979	2.879	9.6	19.2
12 17	6 53.23	+21 58.9	1.903	2.858	5.8	18.9
12 27	6 43.30	+22 13.7	1.855	2.837	1.6	18.6
1 6	6 32.69	+22 27.7	1.838	2.815	2.8	18.7
1 16	6 22.54	+22 39.5	1.850	2.792	7.1	18.9
1 26	6 14.01	+22 48.9	1.890	2.769	11.1	19.1
2 5	6 7.92	+22 56.2	1.953	2.746	14.5	19.3

192385 1996 RO_{12} 12 30.6 184°.97 2°.3/31.0 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
11 27	7 7.83	+15 56.6	2.097	2.907	13.1	21.1
12 7	7 1.56	+15 53.9	2.016	2.908	9.9	20.9
12 17	6 53.12	+15 57.9	1.959	2.908	6.3	20.7
12 27	6 43.23	+16 8.1	1.930	2.907	2.9	20.4
1 6	6 32.91	+16 23.1	1.932	2.905	3.4	20.5
1 16	6 23.22	+16 41.8	1.964	2.903	7.0	20.7
1 26	6 15.16	+17 2.9	2.023	2.900	10.6	20.9
2 5	6 9.41	+17 25.5	2.106	2.896	13.7	21.1

78195 2002 NH_{43} 12 30.6 30°.35 0°.4/30.8 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 27	7 6.15	+16 56.6	1.215	2.062	18.4	18.0
12 7	7 1.39	+18 17.1	1.168	2.081	13.6	17.8
12 17	6 53.40	+19 51.5	1.142	2.101	8.1	17.6
12 27	6 43.34	+21 32.8	1.141	2.122	2.3	17.3
1 6	6 32.80	+23 12.2	1.167	2.145	3.7	17.4
1 16	6 23.49	+24 42.4	1.219	2.168	9.1	17.8
1 26	6 16.83	+25 59.3	1.296	2.192	13.9	18.2
2 5	6 13.59	+27 2.3	1.393	2.217	17.7	18.5

308261 2005 GZ_{93} 12 30.6 235°.99 2°.3/31.3 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 27	7 6.21	+14 0.9	2.027	2.838	13.5	20.7
12 7	7 0.57	+14 30.5	1.938	2.830	10.3	20.5
12 17	6 52.65	+15 11.1	1.873	2.821	6.6	20.2
12 27	6 43.14	+16 1.2	1.837	2.813	3.0	20.0
1 6	6 33.03	+16 57.7	1.830	2.804	3.4	20.0
1 16	6 23.41	+17 57.4	1.853	2.794	7.2	20.2
1 26	6 15.37	+18 57.2	1.904	2.785	11.0	20.4
2 5	6 9.67	+19 54.8	1.979	2.775	14.3	20.6

472775 2015 FT_{138} 12 30.6 283°.21 1°.0/30.5 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 27	7 9.52	+23 33.3	1.359	2.201	17.1	21.1
12 7	7 4.04	+24 2.7	1.286	2.197	12.8	20.8
12 17	6 55.15	+24 36.3	1.234	2.193	7.7	20.5
12 27	6 43.87	+25 9.4	1.207	2.189	2.2	20.2
1 6	6 31.78	+25 37.3	1.208	2.184	3.9	20.3
1 16	6 20.67	+25 57.4	1.234	2.180	9.4	20.6
1 26	6 12.18	+26 9.8	1.285	2.176	14.4	20.8
2 5	6 7.29	+26 16.3	1.357	2.172	18.6	21.1

267249 2001 PV_{4} 12 30.6 236°.57 6°.3/31.1 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 27	7 24.26	+38 17.3	1.228	2.052	19.7	20.2
12 7	7 15.77	+38 7.5	1.149	2.043	15.6	19.9
12 17	7 2.46	+37 38.4	1.090	2.033	10.8	19.6
12 27	6 45.84	+36 40.7	1.055	2.023	6.8	19.4
1 6	6 28.45	+35 11.2	1.047	2.012	7.4	19.4
1 16	6 12.99	+33 15.8	1.066	2.001	12.0	19.6
1 26	6 1.60	+31 7.7	1.109	1.989	17.0	19.8
2 5	5 55.17	+29 0.2	1.172	1.977	21.5	20.1

218305 2003 SU_{306} 12 30.6 16°.89 4°.2/30.9 17

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 27	7 3.45	+13 0.0	1.993	2.808	13.5	20.0
12 7	6 58.33	+12 16.7	1.920	2.810	10.4	19.8
12 17	6 51.16	+11 41.1	1.871	2.813	7.1	19.6
12 27	6 42.70	+11 14.8	1.849	2.816	4.5	19.5
1 6	6 33.92	+10 58.7	1.855	2.819	4.9	19.5
1 16	6 25.81	+10 52.8	1.890	2.822	7.8	19.7
1 26	6 19.30	+10 56.2	1.951	2.826	11.0	19.9
2 5	6 15.00	+11 7.2	2.035	2.830	13.9	20.1

89397 2001 VV_{118} 12 30.6 166°.08 3°.5/29.9 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 27	7 12.17	+31 6.7	2.039	2.854	13.2	20.5
12 7	7 5.09	+31 55.0	1.965	2.860	10.0	20.3
12 17	6 55.36	+32 39.7	1.917	2.865	6.5	20.1
12 27	6 43.87	+33 15.4	1.897	2.869	3.7	19.9
1 6	6 31.85	+33 38.2	1.907	2.872	4.6	20.0
1 16	6 20.66	+33 46.7	1.947	2.875	7.9	20.2
1 26	6 11.49	+33 42.6	2.014	2.877	11.3	20.4
2 5	6 5.14	+33 29.4	2.103	2.878	14.2	20.6

61040 2000 KQ_{60} 12 30.6 153°.58 4°.4/31.4 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 27	7 2.02	+ 8 34.2	2.609	3.399	11.4	19.9
12 7	6 56.86	+ 8 6.5	2.531	3.403	9.0	19.8
12 17	6 50.13	+ 7 48.1	2.478	3.406	6.5	19.6
12 27	6 42.42	+ 7 40.0	2.453	3.408	4.6	19.5
1 6	6 34.43	+ 7 42.6	2.458	3.411	4.8	19.5
1 16	6 26.92	+ 7 55.2	2.492	3.413	6.8	19.7
1 26	6 20.60	+ 8 16.3	2.554	3.416	9.2	19.8
2 5	6 15.97	+ 8 43.8	2.640	3.418	11.6	20.0

486397 2013 EH_{46} 12 30.6 11°.55 1°.8/30.9 17

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 27	7 5.03	+18 34.0	1.500	2.339	16.0	21.2
12 7	7 0.18	+18 29.7	1.432	2.340	12.0	20.9
12 17	6 52.56	+18 32.1	1.386	2.342	7.4	20.7
12 27	6 43.12	+18 40.3	1.365	2.345	2.7	20.4
1 6	6 33.19	+18 52.5	1.372	2.348	3.7	20.5
1 16	6 24.17	+19 7.1	1.405	2.352	8.4	20.8
1 26	6 17.32	+19 23.3	1.464	2.357	12.8	21.0
2 5	6 13.43	+19 40.1	1.543	2.362	16.6	21.3

475928 2007 EK_{65} 12 30.6 359°.62 9°.6/29.4 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
11 27	7 5.89	+38 1.1	1.003	1.864	20.3	19.8
12 7	7 2.77	+39 25.6	0.949	1.859	16.2	19.5
12 17	6 55.00	+40 37.9	0.912	1.857	12.2	19.3
12 27	6 43.90	+41 24.9	0.897	1.855	9.7	19.1
1 6	6 31.81	+41 37.6	0.903	1.856	10.7	19.2
1 16	6 21.39	+41 15.1	0.931	1.858	14.3	19.4
1 26	6 14.81	+40 24.5	0.978	1.863	18.4	19.7
2 5	6 13.07	+39 16.6	1.042	1.869	22.2	19.9

491004 2011 GH_{33} 12 30.6 172°.86 9°.9/ 1.5 17

11 27	7 1.47	−10 44.8	2.694	3.387	13.4	22.0
12 7	6 56.46	−11 51.9	2.624	3.388	12.0	21.9
12 17	6 49.90	−12 40.4	2.575	3.389	10.8	21.8
12 27	6 42.36	−13 6.3	2.550	3.390	10.0	21.7
1 6	6 34.53	−13 7.9	2.549	3.390	10.0	21.7
1 16	6 27.14	−12 45.5	2.574	3.391	10.6	21.8
1 26	6 20.87	−12 1.8	2.621	3.391	11.8	21.9
2 5	6 16.25	−11 1.6	2.690	3.391	13.2	22.0

494520 2016 YN_{12} 12 30.6 43°.36 7°.3/29.4 18

11 27	7 12.34	+35 44.4	1.287	2.126	18.0	20.0
12 7	7 6.29	+37 14.7	1.248	2.150	14.0	19.8
12 17	6 56.44	+38 34.5	1.231	2.174	9.9	19.7
12 27	6 44.16	+39 33.3	1.238	2.198	7.4	19.6
1 6	6 31.49	+40 4.5	1.271	2.223	8.3	19.7
1 16	6 20.48	+40 8.0	1.329	2.249	11.5	20.0
1 26	6 12.72	+39 49.1	1.409	2.275	15.0	20.3
2 5	6 8.97	+39 15.7	1.509	2.302	18.1	20.5

328083 2007 XH_{58} 12 30.6 215°.84 2°.6/30.2 18

11 27	7 11.58	+27 7.5	1.505	2.339	16.1	20.8
12 7	7 5.42	+27 48.8	1.429	2.335	12.1	20.5
12 17	6 55.92	+28 30.5	1.376	2.332	7.5	20.3
12 27	6 44.09	+29 6.8	1.349	2.328	3.1	20.0
1 6	6 31.46	+29 32.5	1.350	2.323	4.5	20.1
1 16	6 19.79	+29 45.3	1.378	2.319	9.3	20.3
1 26	6 10.66	+29 46.5	1.432	2.314	13.8	20.6
2 5	6 5.03	+29 39.5	1.506	2.308	17.7	20.8

74259 1998 SC_{80} 12 30.6 26°.15 1°.1/30.5 18

11 27	7 6.90	+25 46.7	1.348	2.196	16.9	18.9
12 7	7 1.78	+25 45.7	1.291	2.205	12.5	18.6
12 17	6 53.55	+25 43.8	1.256	2.216	7.5	18.4
12 27	6 43.38	+25 38.0	1.246	2.228	2.2	18.1
1 6	6 32.85	+25 26.5	1.263	2.240	3.7	18.2
1 16	6 23.57	+25 9.8	1.306	2.253	8.8	18.5
1 26	6 16.88	+24 49.7	1.373	2.267	13.4	18.8
2 5	6 13.50	+24 28.7	1.460	2.282	17.1	19.1

164137 2003 YS_{78} 12 30.6 147°.81 1°.1/30.6 18

11 27	7 6.42	+27 44.3	2.558	3.374	10.9	19.8
12 7	7 0.19	+27 31.8	2.480	3.377	8.0	19.6
12 17	6 52.13	+27 16.1	2.427	3.381	4.9	19.4
12 27	6 42.96	+26 55.9	2.404	3.384	1.6	19.2
1 6	6 33.54	+26 30.7	2.412	3.387	2.5	19.2
1 16	6 24.79	+26 1.1	2.451	3.390	5.8	19.5
1 26	6 17.53	+25 28.8	2.518	3.393	8.9	19.7
2 5	6 12.29	+24 55.6	2.610	3.395	11.5	19.8

165629 2001 FL_{151} 12 30.6 209°.37 13°.1/26.1 18

11 27	7 22.31	+54 0.8	1.840	2.599	16.5	19.8
12 7	7 14.97	+56 20.1	1.785	2.599	14.8	19.7
12 17	7 2.54	+58 19.7	1.752	2.599	13.5	19.6
12 27	6 46.05	+59 46.2	1.743	2.599	13.1	19.5
1 6	6 27.84	+60 30.6	1.757	2.598	13.7	19.6
1 16	6 10.89	+60 31.7	1.793	2.598	15.0	19.7
1 26	5 57.93	+59 56.4	1.849	2.598	16.8	19.8
2 5	5 50.34	+58 56.0	1.922	2.597	18.5	19.9

17858 Beaugé 12 30.6 98°.84 3°.1/31.0 18

11 27	7 11.36	+15 28.5	1.596	2.415	16.1	18.4
12 7	7 4.37	+15 12.9	1.543	2.438	12.1	18.2
12 17	6 54.80	+15 5.8	1.512	2.461	7.7	18.0
12 27	6 43.68	+15 7.1	1.508	2.483	3.7	17.8
1 6	6 32.36	+15 15.4	1.533	2.505	4.3	17.9
1 16	6 22.17	+15 29.5	1.586	2.526	8.3	18.2
1 26	6 14.23	+15 48.0	1.666	2.547	12.2	18.5
2 5	6 9.17	+16 9.3	1.768	2.567	15.6	18.7

334041 2001 DG_{41} 12 30.6 251°.04 12°.7/ 1.6 18

11 27	7 7.08	−10 16.0	1.915	2.627	17.5	20.9
12 7	7 1.39	−11 18.2	1.824	2.607	15.7	20.7
12 17	6 53.26	−11 55.6	1.751	2.586	14.1	20.6
12 27	6 43.37	−12 1.5	1.701	2.565	12.9	20.5
1 6	6 32.72	−11 32.1	1.674	2.542	12.9	20.4
1 16	6 22.49	−10 27.9	1.672	2.519	14.0	20.4
1 26	6 13.86	− 8 53.5	1.693	2.495	15.9	20.5
2 5	6 7.67	− 6 57.3	1.734	2.471	18.2	20.6

101345 1998 TQ_{12} 12 30.6 129°.00 4°.2/29.9 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
11 27	7 12.89	+31 46.7	1.673	2.499	15.2	19.9
12 7	7 6.05	+32 37.5	1.609	2.508	11.5	19.7
12 17	6 56.10	+33 23.6	1.568	2.517	7.5	19.5
12 27	6 44.11	+33 58.2	1.555	2.526	4.5	19.4
1 6	6 31.59	+34 16.9	1.569	2.534	5.4	19.4
1 16	6 20.16	+34 18.4	1.612	2.542	9.1	19.7
1 26	6 11.23	+34 5.7	1.680	2.549	12.8	19.9
2 5	6 5.61	+33 43.3	1.770	2.556	16.1	20.1

367221 2007 EF_{92} 12 30.6 230°.44 0°.3/30.7 17

11 27	7 5.16	+21 16.0	2.068	2.892	12.7	21.0
12 7	6 59.71	+21 30.6	1.989	2.892	9.5	20.8
12 17	6 52.08	+21 48.7	1.935	2.891	5.7	20.6
12 27	6 43.01	+22 8.4	1.909	2.890	1.6	20.3
1 6	6 33.49	+22 27.4	1.912	2.889	2.7	20.4
1 16	6 24.60	+22 44.4	1.944	2.888	6.7	20.7
1 26	6 17.36	+22 58.9	2.004	2.887	10.4	20.9
2 5	6 12.44	+23 11.0	2.088	2.886	13.5	21.1

514784 2007 GP_{70} 12 30.6 238°.65 1°.0/30.5 18

11 27	7 9.56	+24 42.8	1.782	2.609	14.3	22.5
12 7	7 3.47	+25 2.1	1.695	2.599	10.7	22.3
12 17	6 54.58	+25 22.8	1.632	2.589	6.5	22.0
12 27	6 43.73	+25 41.3	1.597	2.578	2.0	21.7
1 6	6 32.18	+25 54.6	1.590	2.566	3.3	21.8
1 16	6 21.33	+26 1.2	1.612	2.554	8.0	22.0
1 26	6 12.52	+26 1.6	1.661	2.542	12.3	22.3
2 5	6 6.63	+25 57.9	1.731	2.529	15.9	22.5

155976 2001 QP_{239} 12 30.6 38°.31 4°.8/31.5 18

11 27	7 6.13	+11 52.4	1.346	2.177	17.9	19.2
12 7	7 1.12	+11 40.7	1.285	2.184	13.8	18.9
12 17	6 53.18	+11 44.0	1.245	2.192	9.3	18.7
12 27	6 43.32	+12 2.8	1.229	2.199	5.4	18.5
1 6	6 32.98	+12 35.5	1.238	2.208	5.7	18.5
1 16	6 23.66	+13 18.7	1.274	2.217	9.7	18.8
1 26	6 16.68	+14 8.6	1.335	2.226	14.0	19.1
2 5	6 12.83	+15 1.2	1.415	2.235	17.7	19.3

267555 2002 PT_{180} 12 30.6 255°.05 0°.4/30.7 18

11 27	7 5.01	+22 41.7	2.343	3.162	11.6	20.5
12 7	6 59.37	+22 27.2	2.257	3.157	8.6	20.3
12 17	6 51.77	+22 13.2	2.196	3.151	5.2	20.0
12 27	6 42.91	+21 58.8	2.164	3.145	1.5	19.8
1 6	6 33.69	+21 43.4	2.162	3.139	2.5	19.8
1 16	6 25.05	+21 27.2	2.190	3.132	6.2	20.1
1 26	6 17.89	+21 11.0	2.246	3.126	9.6	20.3
2 5	6 12.81	+20 55.6	2.327	3.120	12.5	20.4

490957 2011 DA_{15} 12 30.6 261°.34 4°.2/30.3 18

11 27	7 9.07	+36 11.5	2.238	3.050	12.3	20.9
12 7	7 2.63	+36 26.0	2.160	3.048	9.5	20.7
12 17	6 53.80	+36 32.2	2.107	3.047	6.6	20.5
12 27	6 43.47	+36 25.8	2.082	3.046	4.4	20.4
1 6	6 32.77	+36 5.1	2.086	3.044	5.0	20.4
1 16	6 22.92	+35 30.5	2.119	3.043	7.6	20.6
1 26	6 14.98	+34 45.1	2.179	3.042	10.6	20.8
2 5	6 9.62	+33 53.3	2.263	3.040	13.3	21.0

259884 2004 DA_{28} 12 30.6 32°.19 2°.6/31.1 18

11 27	7 4.99	+15 38.6	1.573	2.404	15.7	20.3
12 7	6 59.99	+15 45.2	1.508	2.411	11.9	20.1
12 17	6 52.40	+16 1.9	1.465	2.418	7.5	19.9
12 27	6 43.12	+16 27.5	1.448	2.426	3.3	19.7
1 6	6 33.39	+16 59.7	1.459	2.434	3.9	19.7
1 16	6 24.54	+17 35.8	1.497	2.442	8.2	20.0
1 26	6 17.74	+18 13.4	1.561	2.451	12.3	20.3
2 5	6 13.72	+18 50.5	1.646	2.461	15.9	20.5

323185 2003 NW_{12} 12 30.6 191°.71 4°.2/31.1 18

11 27	7 3.94	+10 1.4	2.647	3.437	11.2	21.2
12 7	6 58.28	+ 9 24.2	2.563	3.436	8.8	21.0
12 17	6 51.01	+ 8 54.5	2.504	3.434	6.3	20.9
12 27	6 42.70	+ 8 33.8	2.474	3.432	4.4	20.7
1 6	6 34.10	+ 8 22.7	2.474	3.429	4.6	20.7
1 16	6 25.97	+ 8 21.2	2.504	3.426	6.7	20.9
1 26	6 19.04	+ 8 28.2	2.562	3.422	9.3	21.0
2 5	6 13.84	+ 8 42.4	2.645	3.418	11.7	21.2

107089 2001 AA_{28} 12 30.6 344°.94 5°.5/29.8 18

11 27	7 9.11	+31 40.6	1.171	2.024	18.6	19.5
12 7	7 4.48	+32 40.1	1.105	2.018	14.2	19.2
12 17	6 55.77	+33 35.9	1.059	2.013	9.5	19.0
12 27	6 44.14	+34 18.8	1.037	2.009	5.8	18.8
1 6	6 31.54	+34 41.2	1.039	2.006	7.0	18.8
1 16	6 20.22	+34 41.0	1.065	2.003	11.6	19.1
1 26	6 12.14	+34 21.6	1.113	2.001	16.4	19.3
2 5	6 8.34	+33 49.8	1.180	2.000	20.5	19.6

420130 2011 FB_{47} 12 30.6 295°.33 0°.7/30.5 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
11 27	7 4.14	+24 38.2	2.224	3.049	11.9	21.4
12 7	6 58.99	+24 52.6	2.133	3.036	8.9	21.2
12 17	6 51.69	+25 7.8	2.066	3.022	5.3	20.9
12 27	6 42.93	+25 21.5	2.028	3.009	1.6	20.6
1 6	6 33.67	+25 31.7	2.019	2.995	2.7	20.7
1 16	6 24.92	+25 37.5	2.040	2.982	6.6	20.9
1 26	6 17.69	+25 38.9	2.088	2.969	10.1	21.1
2 5	6 12.69	+25 36.9	2.160	2.956	13.2	21.3

409316 2004 TX_{198} 12 30.6 143°.94 3°.5/31.2 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 27	7 3.98	+12 3.3	2.419	3.220	11.9	20.8
12 7	6 58.41	+11 43.2	2.344	3.227	9.1	20.6
12 17	6 51.12	+11 30.9	2.294	3.233	6.2	20.4
12 27	6 42.74	+11 27.1	2.272	3.239	3.8	20.3
1 6	6 34.08	+11 31.5	2.281	3.245	4.1	20.3
1 16	6 25.98	+11 43.5	2.319	3.250	6.6	20.5
1 26	6 19.21	+12 1.6	2.385	3.255	9.5	20.7
2 5	6 14.33	+12 24.4	2.475	3.260	12.1	20.9

218996 2008 HN_{44} 12 30.6 111°.10 2°.7/31.1 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 27	7 4.65	+14 58.7	2.119	2.933	12.9	21.0
12 7	6 59.14	+14 48.9	2.046	2.939	9.7	20.8
12 17	6 51.65	+14 46.2	1.998	2.945	6.3	20.6
12 27	6 42.89	+14 50.6	1.977	2.951	3.2	20.4
1 6	6 33.81	+15 1.2	1.986	2.957	3.6	20.5
1 16	6 25.37	+15 17.0	2.024	2.963	6.9	20.7
1 26	6 18.48	+15 36.7	2.090	2.969	10.2	20.9
2 5	6 13.75	+15 58.9	2.179	2.975	13.1	21.1

465445 2008 RS_{138} 12 30.6 7°.87 11°.6/ 1.5 17

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 27	7 1.48	−10 52.5	2.222	2.929	15.5	21.4
12 7	6 56.77	−12 14.1	2.156	2.929	14.0	21.3
12 17	6 50.24	−13 13.6	2.111	2.930	12.6	21.2
12 27	6 42.52	−13 45.9	2.088	2.931	11.8	21.1
1 6	6 34.45	−13 48.6	2.088	2.932	11.7	21.1
1 16	6 26.91	−13 22.2	2.111	2.933	12.5	21.2
1 26	6 20.74	−12 30.1	2.157	2.935	13.8	21.3
2 5	6 16.51	−11 18.3	2.223	2.937	15.3	21.4

160978 2002 CU_{60} 12 30.6 215°.87 1°.2/30.9 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 27	7 8.24	+16 44.6	1.976	2.790	13.6	20.2
12 7	7 2.19	+17 25.9	1.888	2.784	10.3	20.0
12 17	6 53.71	+18 16.8	1.825	2.777	6.3	19.7
12 27	6 43.51	+19 14.4	1.790	2.770	2.2	19.4
1 6	6 32.66	+20 15.1	1.786	2.762	3.0	19.5
1 16	6 22.33	+21 15.1	1.812	2.754	7.2	19.7
1 26	6 13.70	+22 11.7	1.866	2.746	11.2	19.9
2 5	6 7.55	+23 3.4	1.944	2.737	14.6	20.1

3684 Berry 12 30.6 310°.41 0°.4/30.5 18 R

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 27	7 6.61	+21 11.8	1.298	2.146	17.4	17.0
12 7	7 2.22	+21 54.0	1.215	2.129	13.1	16.7
12 17	6 54.32	+22 45.8	1.152	2.112	8.0	16.4
12 27	6 43.78	+23 42.7	1.114	2.096	2.2	16.0
1 6	6 32.11	+24 38.6	1.102	2.080	4.0	16.1
1 16	6 21.16	+25 28.6	1.117	2.065	9.9	16.4
1 26	6 12.73	+26 10.0	1.154	2.050	15.2	16.6
2 5	6 8.01	+26 43.1	1.211	2.036	19.8	16.9

464461 2016 BU_{43} 12 30.6 19°.22 3°.3/30.4 17

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 27	7 7.71	+32 58.7	2.023	2.846	13.0	20.4
12 7	7 1.73	+33 5.9	1.951	2.848	9.9	20.2
12 17	6 53.31	+33 6.4	1.902	2.851	6.4	20.0
12 27	6 43.36	+32 56.6	1.881	2.854	3.6	19.8
1 6	6 33.07	+32 34.9	1.889	2.857	4.3	19.8
1 16	6 23.68	+32 2.0	1.926	2.860	7.5	20.0
1 26	6 16.26	+31 20.8	1.989	2.864	10.9	20.3
2 5	6 11.49	+30 35.2	2.076	2.868	13.8	20.5

214046 2004 EZ_{68} 12 30.6 27°.28 8°.1/ 1.4 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 27	7 3.57	+ 2 44.6	1.665	2.459	16.7	20.0
12 7	6 58.77	+ 2 12.9	1.598	2.463	13.7	19.8
12 17	6 51.61	+ 2 1.0	1.553	2.467	10.7	19.6
12 27	6 42.92	+ 2 11.9	1.531	2.472	8.4	19.5
1 6	6 33.80	+ 2 45.8	1.535	2.477	8.3	19.5
1 16	6 25.43	+ 3 39.9	1.566	2.482	10.4	19.6
1 26	6 18.88	+ 4 49.4	1.621	2.488	13.3	19.8
2 5	6 14.84	+ 6 7.9	1.698	2.494	16.2	20.0

160142 2001 DG_{101} 12 30.6 63°.86 6°.7/29.3 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 27	7 13.63	+35 41.8	1.511	2.339	16.4	18.7
12 7	7 6.93	+37 10.8	1.466	2.361	12.7	18.5
12 17	6 56.76	+38 30.8	1.443	2.383	9.1	18.4
12 27	6 44.33	+39 32.2	1.446	2.405	6.8	18.3
1 6	6 31.42	+40 8.9	1.477	2.427	7.7	18.4
1 16	6 19.90	+40 19.9	1.533	2.449	10.6	18.6
1 26	6 11.30	+40 9.6	1.614	2.471	13.9	18.9
2 5	6 6.39	+39 44.6	1.715	2.493	16.8	19.2

481915 2009 BX_{62} 12 30.6 2°.32 1°.0/30.8 17

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
11 27	7 4.14	+19 7.3	1.295	2.144	17.3	21.3
12 7	7 0.01	+19 30.9	1.228	2.143	13.0	21.1
12 17	6 52.72	+20 3.8	1.183	2.142	7.9	20.8
12 27	6 43.28	+20 43.1	1.161	2.143	2.4	20.4
1 6	6 33.17	+21 24.6	1.166	2.144	3.7	20.5
1 16	6 24.04	+22 4.8	1.196	2.146	9.1	20.9
1 26	6 17.35	+22 41.3	1.251	2.150	14.0	21.1
2 5	6 14.00	+23 13.2	1.325	2.154	18.1	21.4

46138 2001 FR_{56} 12 30.6 93°.34 8°.4/ 1.9 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 27	7 5.99	− 0 58.1	1.961	2.723	15.6	19.1
12 7	7 0.06	− 1 34.2	1.907	2.744	13.0	19.0
12 17	6 52.14	− 1 50.4	1.874	2.765	10.5	18.8
12 27	6 43.03	− 1 44.0	1.866	2.786	8.7	18.8
1 6	6 33.70	− 1 15.0	1.885	2.807	8.6	18.8
1 16	6 25.15	− 0 25.9	1.931	2.827	10.0	18.9
1 26	6 18.26	+ 0 38.6	2.003	2.846	12.2	19.1
2 5	6 13.59	+ 1 53.0	2.097	2.865	14.5	19.3

332867 2010 WE_{17} 12 30.6 278°.07 4°.3/29.9 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 27	7 11.17	+29 44.1	1.372	2.213	17.1	20.9
12 7	7 5.59	+30 43.3	1.297	2.205	13.0	20.6
12 17	6 56.30	+31 41.9	1.243	2.197	8.4	20.4
12 27	6 44.31	+32 31.6	1.215	2.190	4.6	20.1
1 6	6 31.32	+33 5.6	1.213	2.182	5.9	20.2
1 16	6 19.32	+33 20.6	1.237	2.174	10.5	20.4
1 26	6 10.13	+33 18.6	1.285	2.166	15.1	20.7
2 5	6 4.85	+33 4.5	1.353	2.159	19.1	20.9

34723 2001 QV_{14} 12 30.6 255°.88 2°.8/30.0 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 27	7 5.55	+31 7.7	2.476	3.294	11.1	18.9
12 7	6 59.90	+31 38.4	2.390	3.286	8.4	18.8
12 17	6 52.19	+32 5.9	2.330	3.279	5.4	18.6
12 27	6 43.08	+32 26.7	2.298	3.271	3.0	18.4
1 6	6 33.52	+32 38.3	2.296	3.263	3.8	18.4
1 16	6 24.51	+32 39.7	2.324	3.255	6.6	18.6
1 26	6 17.00	+32 31.9	2.380	3.247	9.6	18.8
2 5	6 11.66	+32 17.1	2.459	3.239	12.3	18.9

237956 2002 RF_{82} 12 30.6 127°.26 3°.4/30.1 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 27	7 7.13	+33 51.1	2.471	3.284	11.3	20.2
12 7	7 0.97	+34 15.9	2.398	3.289	8.6	20.1
12 17	6 52.75	+34 34.8	2.351	3.294	5.7	19.9
12 27	6 43.21	+34 44.5	2.332	3.300	3.6	19.8
1 6	6 33.36	+34 42.8	2.343	3.305	4.2	19.8
1 16	6 24.21	+34 29.6	2.384	3.310	6.8	20.0
1 26	6 16.70	+34 6.8	2.452	3.314	9.6	20.2
2 5	6 11.45	+33 37.2	2.544	3.319	12.0	20.4

26228 1998 OZ_{6} 12 30.6 61°.35 0°.7/30.7 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 27	7 9.75	+21 45.3	1.557	2.389	15.8	17.8
12 7	7 3.29	+21 34.2	1.509	2.415	11.6	17.6
12 17	6 54.20	+21 25.6	1.483	2.440	6.9	17.4
12 27	6 43.59	+21 18.2	1.484	2.465	2.0	17.2
1 6	6 32.85	+21 10.7	1.514	2.491	3.2	17.3
1 16	6 23.33	+21 3.2	1.571	2.517	7.9	17.6
1 26	6 16.13	+20 56.2	1.655	2.542	11.9	17.9
2 5	6 11.85	+20 50.5	1.760	2.567	15.3	18.2

420025 2011 CA_{93} 12 30.6 21°.29 2°.0/30.9 17

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 27	7 4.08	+18 12.9	1.855	2.682	13.8	21.6
12 7	6 59.01	+17 55.7	1.784	2.686	10.4	21.4
12 17	6 51.70	+17 43.5	1.737	2.691	6.4	21.1
12 27	6 42.96	+17 36.0	1.718	2.696	2.7	20.9
1 6	6 33.87	+17 32.9	1.726	2.701	3.4	21.0
1 16	6 25.54	+17 33.5	1.763	2.707	7.3	21.2
1 26	6 18.97	+17 37.3	1.827	2.713	11.0	21.5
2 5	6 14.83	+17 43.9	1.913	2.720	14.3	21.7

168628 2000 CU_{66} 12 30.6 258°.01 4°.0/30.8 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 27	7 6.41	+14 7.1	1.927	2.740	14.0	19.8
12 7	7 0.75	+13 23.2	1.840	2.731	10.8	19.6
12 17	6 52.79	+12 45.6	1.777	2.721	7.3	19.4
12 27	6 43.28	+12 16.0	1.741	2.711	4.3	19.2
1 6	6 33.27	+11 55.3	1.734	2.700	4.8	19.2
1 16	6 23.88	+11 44.2	1.756	2.690	8.2	19.3
1 26	6 16.18	+11 42.2	1.804	2.679	11.8	19.5
2 5	6 10.90	+11 48.1	1.875	2.668	15.0	19.7

78758 2002 UC_{1} 12 30.6 56°.77 5°.6/ 1.9 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 27	7 3.84	+ 3 20.8	2.146	2.925	13.9	18.6
12 7	6 58.43	+ 3 42.0	2.085	2.944	11.2	18.4
12 17	6 51.19	+ 4 20.4	2.046	2.963	8.3	18.3
12 27	6 42.80	+ 5 15.8	2.035	2.983	6.1	18.2
1 6	6 34.17	+ 6 25.9	2.052	3.003	5.8	18.2
1 16	6 26.18	+ 7 46.7	2.099	3.022	7.7	18.4
1 26	6 19.66	+ 9 13.7	2.174	3.042	10.4	18.6
2 5	6 15.17	+10 42.1	2.274	3.062	12.9	18.8

268700 2006 HP_6 12 30.6 195°.67 4°.7/29.6 17

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
11 27	7 7.92	+37 5.1	2.489	3.296	11.4	20.7
12 7	7 1.76	+37 50.7	2.412	3.295	8.9	20.5
12 17	6 53.34	+38 29.4	2.360	3.294	6.4	20.3
12 27	6 43.42	+38 56.4	2.337	3.293	4.8	20.2
1 6	6 33.05	+39 8.7	2.342	3.291	5.3	20.3
1 16	6 23.33	+39 5.6	2.377	3.289	7.6	20.4
1 26	6 15.30	+38 48.9	2.439	3.287	10.1	20.6
2 5	6 9.65	+38 22.2	2.524	3.286	12.5	20.7

101383 Karloff 12 30.6 90°.31 3°.9/30.7 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 27	7 16.28	+33 59.1	1.518	2.343	16.5	19.2
12 7	7 8.53	+33 52.2	1.458	2.356	12.5	19.0
12 17	6 57.50	+33 34.5	1.420	2.369	8.2	18.8
12 27	6 44.51	+33 1.4	1.409	2.382	4.4	18.6
1 6	6 31.33	+32 12.0	1.426	2.395	5.1	18.7
1 16	6 19.70	+31 9.5	1.471	2.408	9.1	19.0
1 26	6 10.97	+29 59.9	1.542	2.421	13.2	19.2
2 5	6 5.80	+28 49.7	1.634	2.433	16.7	19.5

421682 2014 OJ_{387} 12 30.6 174°.39 1°.0/30.4 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 27	7 7.42	+25 8.8	2.357	3.174	11.6	22.7
12 7	7 1.21	+25 32.8	2.278	3.176	8.6	22.5
12 17	6 52.93	+25 57.3	2.224	3.178	5.2	22.3
12 27	6 43.30	+26 19.3	2.200	3.180	1.7	22.0
1 6	6 33.27	+26 36.7	2.206	3.181	2.7	22.1
1 16	6 23.85	+26 48.2	2.242	3.181	6.3	22.4
1 26	6 15.98	+26 54.2	2.307	3.181	9.6	22.6
2 5	6 10.29	+26 55.7	2.397	3.181	12.4	22.8

222020 1998 SK_{46} 12 30.6 6°.45 0°.3/30.6 17

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 27	7 1.04	+23 22.7	1.301	2.159	16.7	19.3
12 7	6 57.64	+23 28.5	1.242	2.161	12.4	19.1
12 17	6 51.23	+23 37.1	1.203	2.165	7.4	18.8
12 27	6 42.88	+23 45.7	1.188	2.170	2.0	18.5
1 6	6 34.05	+23 52.1	1.199	2.178	3.5	18.6
1 16	6 26.28	+23 55.1	1.236	2.187	8.8	19.0
1 26	6 20.92	+23 55.0	1.296	2.198	13.4	19.2
2 5	6 18.71	+23 52.7	1.376	2.210	17.3	19.5

300380 2007 RQ_{150} 12 30.6 84°.19 12°.2/27.7 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 27	7 29.14	+53 57.7	1.937	2.684	16.2	20.5
12 7	7 19.55	+56 21.7	1.909	2.715	14.3	20.4
12 17	7 4.96	+58 22.3	1.904	2.746	12.8	20.3
12 27	6 46.71	+59 47.0	1.924	2.776	12.2	20.4
1 6	6 27.31	+60 28.9	1.969	2.805	12.6	20.5
1 16	6 9.64	+60 29.3	2.037	2.834	13.8	20.6
1 26	5 56.08	+59 56.6	2.127	2.863	15.2	20.8
2 5	5 47.74	+59 2.2	2.234	2.890	16.6	20.9

27423 Dennisbowers 12 30.6 63°.95 3°.3/30.9 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 27	7 8.61	+16 29.2	1.403	2.236	17.2	18.9
12 7	7 2.82	+16 1.7	1.344	2.247	13.0	18.7
12 17	6 54.14	+15 42.5	1.306	2.259	8.3	18.4
12 27	6 43.64	+15 31.8	1.294	2.270	3.9	18.2
1 6	6 32.76	+15 29.2	1.308	2.282	4.6	18.3
1 16	6 23.02	+15 33.9	1.350	2.294	9.1	18.6
1 26	6 15.67	+15 44.8	1.416	2.305	13.4	18.8
2 5	6 11.43	+16 0.3	1.503	2.317	17.1	19.1

73138 2002 GO_{76} 12 30.6 149°.53 6°.1/31.8 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 27	7 6.03	+ 5 22.5	2.137	2.919	13.8	20.0
12 7	7 0.10	+ 4 52.2	2.065	2.927	11.1	19.8
12 17	6 52.22	+ 4 35.6	2.017	2.935	8.4	19.6
12 27	6 43.10	+ 4 34.5	1.996	2.942	6.4	19.5
1 6	6 33.65	+ 4 49.1	2.003	2.949	6.4	19.5
1 16	6 24.84	+ 5 18.0	2.040	2.955	8.4	19.7
1 26	6 17.55	+ 5 58.5	2.103	2.960	11.1	19.9
2 5	6 12.36	+ 6 46.9	2.189	2.965	13.7	20.0

494082 2016 CX 12 30.6 247°.54 0°.0/30.4 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 27	7 4.52	+23 3.3	2.333	3.154	11.6	21.8
12 7	6 59.07	+23 5.1	2.250	3.151	8.6	21.6
12 17	6 51.65	+23 8.1	2.192	3.148	5.1	21.4
12 27	6 42.95	+23 10.6	2.163	3.144	1.4	21.2
1 6	6 33.88	+23 11.4	2.163	3.140	2.4	21.2
1 16	6 25.39	+23 10.1	2.194	3.137	6.1	21.5
1 26	6 18.36	+23 6.9	2.253	3.133	9.5	21.7
2 5	6 13.41	+23 2.4	2.335	3.129	12.4	21.9

184510 2005 QS 12 30.6 123°.10 3°.0/31.2 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 27	7 9.89	+14 43.4	1.746	2.560	15.1	20.8
12 7	7 3.30	+14 40.6	1.682	2.575	11.5	20.6
12 17	6 54.25	+14 47.1	1.642	2.590	7.3	20.4
12 27	6 43.66	+15 2.0	1.630	2.605	3.6	20.2
1 6	6 32.73	+15 23.8	1.646	2.618	4.1	20.2
1 16	6 22.72	+15 50.4	1.691	2.631	7.9	20.5
1 26	6 14.71	+16 20.0	1.763	2.644	11.7	20.8
2 5	6 9.39	+16 50.9	1.858	2.655	15.0	21.0

87862 2000 SJ_{231} 12 30.6 315°.54 1°.5/30.8 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
11 27	7 5.24	+19 18.9	1.998	2.821	13.2	19.2
12 7	6 59.81	+19 4.7	1.919	2.820	9.8	19.0
12 17	6 52.18	+18 54.2	1.864	2.818	6.1	18.8
12 27	6 43.12	+18 46.9	1.837	2.816	2.2	18.5
1 6	6 33.65	+18 42.1	1.839	2.814	3.1	18.6
1 16	6 24.86	+18 39.5	1.870	2.813	7.0	18.8
1 26	6 17.75	+18 39.1	1.928	2.811	10.7	19.0
2 5	6 12.98	+18 40.6	2.009	2.810	13.9	19.3

46115 2001 FP_{33} 12 30.6 310°.79 5°.3/31.7 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 27	7 2.60	+ 7 40.2	2.114	2.912	13.4	18.8
12 7	6 57.72	+ 7 18.6	2.033	2.908	10.7	18.6
12 17	6 50.89	+ 7 9.4	1.976	2.904	7.8	18.4
12 27	6 42.77	+ 7 14.1	1.944	2.900	5.6	18.3
1 6	6 34.24	+ 7 32.7	1.942	2.896	5.7	18.3
1 16	6 26.24	+ 8 3.7	1.967	2.893	8.0	18.4
1 26	6 19.68	+ 8 44.8	2.019	2.889	11.0	18.6
2 5	6 15.17	+ 9 32.5	2.094	2.885	13.7	18.8

212220 2005 HV_3 12 30.6 167°.07 5°.2/29.3 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 27	7 11.33	+35 25.9	2.087	2.900	13.1	20.5
12 7	7 4.69	+36 35.7	2.015	2.903	10.1	20.3
12 17	6 55.29	+37 39.6	1.968	2.905	7.2	20.1
12 27	6 44.01	+38 31.0	1.949	2.907	5.3	20.0
1 6	6 32.09	+39 5.0	1.959	2.909	6.1	20.1
1 16	6 20.94	+39 19.9	1.998	2.911	8.7	20.2
1 26	6 11.84	+39 17.6	2.063	2.912	11.7	20.4
2 5	6 5.62	+39 2.5	2.150	2.913	14.3	20.6

421787 2014 QF_{25} 12 30.6 34°.98 2°.6/30.9 17

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 27	7 4.42	+16 29.8	1.830	2.655	14.1	20.7
12 7	6 59.26	+16 12.0	1.762	2.662	10.6	20.5
12 17	6 51.86	+16 0.9	1.717	2.669	6.8	20.3
12 27	6 43.03	+15 56.5	1.700	2.676	3.2	20.1
1 6	6 33.87	+15 58.1	1.711	2.684	3.8	20.2
1 16	6 25.49	+16 5.1	1.750	2.692	7.5	20.4
1 26	6 18.89	+16 16.4	1.816	2.701	11.2	20.6
2 5	6 14.71	+16 30.9	1.904	2.710	14.4	20.9

489191 2006 HR_{72} 12 30.6 220°.98 0°.6/30.8 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 27	7 3.50	+19 49.3	2.671	3.484	10.5	22.2
12 7	6 58.13	+20 3.9	2.581	3.478	7.8	22.0
12 17	6 51.05	+20 22.1	2.518	3.471	4.7	21.8
12 27	6 42.82	+20 42.6	2.484	3.465	1.5	21.6
1 6	6 34.21	+21 3.7	2.481	3.457	2.2	21.6
1 16	6 26.03	+21 24.3	2.509	3.450	5.5	21.8
1 26	6 19.05	+21 43.6	2.565	3.443	8.6	22.0
2 5	6 13.87	+22 1.3	2.646	3.435	11.3	22.2

442367 2011 SD_{256} 12 30.6 86°.53 1°.4/30.9 17

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 27	7 8.75	+18 38.7	1.824	2.645	14.3	22.1
12 7	7 2.32	+18 41.6	1.768	2.668	10.6	21.9
12 17	6 53.59	+18 49.9	1.737	2.690	6.5	21.7
12 27	6 43.49	+19 2.0	1.733	2.713	2.3	21.5
1 6	6 33.16	+19 16.2	1.759	2.735	3.1	21.6
1 16	6 23.80	+19 31.1	1.813	2.756	7.2	21.9
1 26	6 16.39	+19 46.1	1.895	2.778	10.9	22.2
2 5	6 11.54	+20 0.8	2.000	2.799	14.0	22.4

262158 2006 SX_{87} 12 30.6 18°.70 0°.0/30.5 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 27	7 7.64	+22 15.1	1.167	2.020	18.6	20.3
12 7	7 2.86	+22 23.2	1.106	2.023	13.9	20.0
12 17	6 54.53	+22 35.8	1.066	2.027	8.3	19.8
12 27	6 43.84	+22 49.9	1.050	2.031	2.3	19.4
1 6	6 32.53	+23 2.0	1.059	2.037	3.9	19.5
1 16	6 22.48	+23 10.7	1.093	2.043	9.8	19.9
1 26	6 15.30	+23 16.0	1.150	2.050	14.9	20.2
2 5	6 11.85	+23 19.1	1.226	2.057	19.2	20.5

45427 2000 AA_{167} 12 30.6 246°.23 5°.8/31.9 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 27	7 2.23	+ 3 45.8	2.557	3.330	12.1	19.1
12 7	6 57.20	+ 3 23.4	2.465	3.318	9.9	18.9
12 17	6 50.50	+ 3 13.7	2.397	3.307	7.6	18.7
12 27	6 42.68	+ 3 18.4	2.356	3.295	6.0	18.6
1 6	6 34.46	+ 3 37.8	2.344	3.283	6.0	18.6
1 16	6 26.63	+ 4 11.0	2.360	3.270	7.7	18.7
1 26	6 19.94	+ 4 55.6	2.404	3.257	10.1	18.8
2 5	6 14.97	+ 5 48.3	2.472	3.244	12.4	19.0

43516 2001 DH_{12} 12 30.7 68°.53 2°.7/30.2 17

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 27	7 7.17	+30 14.0	2.069	2.893	12.7	19.1
12 7	7 1.27	+30 39.9	2.003	2.903	9.5	19.0
12 17	6 53.06	+31 2.3	1.961	2.912	6.0	18.8
12 27	6 43.37	+31 17.2	1.947	2.922	3.1	18.6
1 6	6 33.35	+31 22.3	1.962	2.931	3.9	18.7
1 16	6 24.15	+31 17.1	2.006	2.941	7.2	18.9
1 26	6 16.81	+31 3.3	2.077	2.951	10.5	19.1
2 5	6 11.98	+30 43.5	2.171	2.961	13.4	19.3

200470 2000 XU_{12} 12 30.7 72°.03 6°.5/29.5 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
11 27	7 12.76	+36 20.2	1.596	2.421	15.8	19.3
12 7	7 6.29	+37 34.4	1.541	2.434	12.3	19.1
12 17	6 56.43	+38 39.7	1.508	2.447	8.8	18.9
12 27	6 44.34	+39 27.7	1.502	2.460	6.6	18.8
1 6	6 31.70	+39 52.6	1.522	2.473	7.4	18.9
1 16	6 20.30	+39 53.6	1.569	2.486	10.4	19.1
1 26	6 11.65	+39 34.7	1.641	2.499	13.7	19.4
2 5	6 6.58	+39 2.3	1.733	2.512	16.6	19.6

440375 2005 BD_{49} 12 30.7 15°.64 4°.4/30.5 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 27	7 7.45	+17 1.6	1.360	2.198	17.3	20.2
12 7	7 2.08	+15 45.0	1.296	2.201	13.2	19.9
12 17	6 53.77	+14 32.9	1.253	2.205	8.6	19.7
12 27	6 43.60	+13 28.8	1.236	2.210	4.8	19.5
1 6	6 33.04	+12 35.8	1.246	2.215	5.7	19.6
1 16	6 23.61	+11 56.4	1.282	2.221	9.9	19.8
1 26	6 16.59	+11 31.2	1.342	2.228	14.2	20.1
2 5	6 12.70	+11 18.8	1.422	2.236	17.9	20.3

460431 2014 SG_{159} 12 30.7 9°.83 5°.4/31.6 17

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 27	7 2.50	+ 8 37.0	1.940	2.746	14.2	21.2
12 7	6 57.77	+ 8 8.4	1.867	2.747	11.2	21.0
12 17	6 50.97	+ 7 52.3	1.816	2.748	8.1	20.9
12 27	6 42.84	+ 7 50.3	1.792	2.750	5.7	20.7
1 6	6 34.32	+ 8 2.5	1.795	2.752	5.8	20.7
1 16	6 26.44	+ 8 27.7	1.827	2.755	8.3	20.9
1 26	6 20.12	+ 9 3.2	1.884	2.758	11.4	21.1
2 5	6 16.01	+ 9 45.8	1.963	2.761	14.3	21.3

442428 2011 UW_{135} 12 30.7 82°.01 1°.1/30.8 17

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 27	7 9.02	+19 35.1	1.789	2.612	14.5	22.2
12 7	7 2.56	+19 37.3	1.735	2.635	10.7	22.0
12 17	6 53.76	+19 44.0	1.704	2.659	6.5	21.8
12 27	6 43.56	+19 53.6	1.702	2.682	2.1	21.5
1 6	6 33.16	+20 4.4	1.728	2.705	3.0	21.7
1 16	6 23.76	+20 15.2	1.784	2.728	7.2	22.0
1 26	6 16.36	+20 25.7	1.867	2.750	11.0	22.2
2 5	6 11.57	+20 35.9	1.972	2.772	14.2	22.5

433748 2015 AJ_{263} 12 30.7 214°.46 2°.1/31.0 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 27	7 10.22	+16 50.8	1.590	2.413	16.0	21.7
12 7	7 4.13	+17 2.1	1.508	2.408	12.1	21.4
12 17	6 55.12	+17 22.7	1.449	2.402	7.6	21.2
12 27	6 44.03	+17 50.8	1.417	2.396	3.0	20.9
1 6	6 32.21	+18 23.8	1.413	2.389	3.8	20.9
1 16	6 21.14	+18 58.9	1.437	2.381	8.6	21.2
1 26	6 12.22	+19 34.1	1.488	2.373	13.2	21.4
2 5	6 6.36	+20 8.2	1.560	2.364	17.1	21.6

132733 2002 PH_{26} 12 30.7 149°.42 2°.6/31.3 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 27	7 3.15	+13 13.3	2.708	3.508	10.7	20.7
12 7	6 57.72	+13 14.4	2.631	3.515	8.2	20.5
12 17	6 50.73	+13 22.6	2.579	3.522	5.4	20.3
12 27	6 42.75	+13 37.6	2.557	3.528	3.0	20.2
1 6	6 34.50	+13 58.5	2.565	3.534	3.2	20.2
1 16	6 26.72	+14 23.9	2.604	3.539	5.7	20.4
1 26	6 20.12	+14 52.6	2.671	3.544	8.5	20.6
2 5	6 15.21	+15 23.0	2.764	3.549	10.9	20.7

8507 1991 CB_{1} 12 30.7 104°.25 6°.6/30.8 17

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 27	7 43.95	+38 5.3	1.409	2.192	19.7	20.6
12 7	7 28.78	+38 49.7	1.373	2.243	15.1	20.5
12 17	7 9.30	+39 15.1	1.360	2.291	10.4	20.3
12 27	6 47.65	+39 10.6	1.376	2.335	6.9	20.3
1 6	6 26.62	+38 33.6	1.424	2.377	7.5	20.4
1 16	6 8.68	+37 30.8	1.502	2.417	10.9	20.7
1 26	5 55.31	+36 13.8	1.607	2.453	14.6	21.0
2 5	5 46.88	+34 54.0	1.734	2.487	17.6	21.3

134043 2004 XB_{13} 12 30.7 273°.92 0°.7/30.5 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 27	7 4.91	+24 16.0	2.224	3.047	12.0	20.2
12 7	6 59.55	+24 33.4	2.137	3.040	8.9	20.0
12 17	6 52.07	+24 52.0	2.076	3.032	5.4	19.7
12 27	6 43.16	+25 9.3	2.043	3.024	1.6	19.5
1 6	6 33.77	+25 23.4	2.040	3.016	2.7	19.5
1 16	6 24.94	+25 32.9	2.066	3.008	6.5	19.8
1 26	6 17.64	+25 38.1	2.120	3.000	10.0	20.0
2 5	6 12.57	+25 39.6	2.198	2.992	13.1	20.2

163805 2003 QX_{92} 12 30.7 184°.51 1°.0/30.9 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 27	7 7.87	+18 33.9	2.016	2.833	13.3	20.4
12 7	7 1.82	+18 58.2	1.936	2.833	9.9	20.1
12 17	6 53.47	+19 29.0	1.880	2.833	6.1	19.9
12 27	6 43.55	+20 3.9	1.852	2.832	2.0	19.6
1 6	6 33.12	+20 40.2	1.855	2.831	2.9	19.7
1 16	6 23.31	+21 15.5	1.887	2.830	7.0	20.0
1 26	6 15.21	+21 48.5	1.947	2.828	10.8	20.2
2 5	6 9.53	+22 18.5	2.031	2.825	14.0	20.4

408386 2013 GQ_{102} 12 30.7 201°.04 2°.3/31.1 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
11 27	7 5.50	+15 42.3	2.249	3.060	12.3	22.0
12 7	6 59.82	+15 38.2	2.165	3.057	9.3	21.8
12 17	6 52.15	+15 40.5	2.106	3.054	6.0	21.6
12 27	6 43.17	+15 48.8	2.075	3.050	2.8	21.4
1 6	6 33.78	+16 2.3	2.074	3.046	3.3	21.4
1 16	6 24.93	+16 19.7	2.103	3.042	6.6	21.6
1 26	6 17.54	+16 39.9	2.160	3.038	10.0	21.8
2 5	6 12.24	+17 1.9	2.241	3.033	12.9	22.0

49696 1999 UW_{42} 12 30.7 305°.82 2°.6/30.7 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 27	7 8.87	+19 40.8	1.351	2.191	17.3	18.8
12 7	7 3.49	+18 55.5	1.273	2.181	13.1	18.5
12 17	6 54.86	+18 12.6	1.215	2.172	8.2	18.2
12 27	6 43.98	+17 33.0	1.183	2.162	3.4	17.9
1 6	6 32.38	+16 57.9	1.178	2.153	4.5	17.9
1 16	6 21.75	+16 29.0	1.199	2.144	9.7	18.2
1 26	6 13.62	+16 7.6	1.243	2.135	14.7	18.4
2 5	6 8.90	+15 53.9	1.308	2.127	18.9	18.7

215283 2001 QJ_{201} 12 30.7 109°.34 4°.7/31.5 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 27	7 5.50	+ 9 31.4	2.061	2.861	13.7	20.6
12 7	6 59.77	+ 9 8.2	1.995	2.873	10.7	20.5
12 17	6 52.07	+ 8 56.3	1.952	2.885	7.5	20.3
12 27	6 43.13	+ 8 56.7	1.937	2.897	5.1	20.2
1 6	6 33.91	+ 9 9.1	1.950	2.909	5.2	20.2
1 16	6 25.38	+ 9 32.2	1.992	2.920	7.7	20.4
1 26	6 18.44	+10 3.6	2.061	2.932	10.7	20.6
2 5	6 13.65	+10 40.7	2.154	2.942	13.5	20.8

307878 2004 BX_{71} 12 30.7 276°.50 0°.0/30.5 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 27	7 8.99	+24 26.4	1.946	2.769	13.5	20.2
12 7	7 2.91	+24 4.5	1.846	2.748	10.1	20.0
12 17	6 54.25	+23 40.7	1.771	2.726	6.1	19.7
12 27	6 43.79	+23 13.8	1.723	2.704	1.7	19.4
1 6	6 32.67	+22 43.2	1.705	2.682	3.0	19.4
1 16	6 22.17	+22 9.8	1.716	2.659	7.5	19.6
1 26	6 13.49	+21 35.6	1.755	2.637	11.7	19.8
2 5	6 7.48	+21 2.8	1.817	2.614	15.3	20.0

2404 Antarctica 12 30.7 207°.57 0°.2/30.7 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 27	7 3.89	+21 38.0	2.704	3.518	10.4	17.4
12 7	6 58.40	+21 49.3	2.617	3.514	7.7	17.2
12 17	6 51.22	+22 2.7	2.556	3.510	4.6	17.0
12 27	6 42.91	+22 16.9	2.524	3.505	1.3	16.7
1 6	6 34.25	+22 30.4	2.524	3.501	2.2	16.8
1 16	6 26.04	+22 42.2	2.554	3.495	5.5	17.0
1 26	6 19.06	+22 52.1	2.613	3.490	8.5	17.2
2 5	6 13.88	+23 0.3	2.697	3.484	11.1	17.4

145642 4058 $P–L$ 12 30.7 62°.10 1°.4/30.8 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 27	7 6.79	+19 40.8	1.764	2.591	14.4	19.6
12 7	7 1.07	+19 28.5	1.700	2.603	10.7	19.4
12 17	6 52.97	+19 20.4	1.661	2.615	6.5	19.2
12 27	6 43.39	+19 15.5	1.648	2.628	2.3	18.9
1 6	6 33.50	+19 13.0	1.664	2.640	3.2	19.0
1 16	6 24.53	+19 12.4	1.708	2.653	7.4	19.3
1 26	6 17.50	+19 13.5	1.779	2.665	11.3	19.6
2 5	6 13.07	+19 16.3	1.873	2.678	14.6	19.8

489379 2006 UQ_{236} 12 30.7 10°.23 4°.8/29.7 17

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 27	7 9.33	+33 48.9	1.829	2.654	14.1	22.0
12 7	7 3.44	+34 44.2	1.757	2.654	10.9	21.8
12 17	6 54.66	+35 34.1	1.709	2.654	7.4	21.6
12 27	6 43.90	+36 12.1	1.688	2.654	5.0	21.5
1 6	6 32.54	+36 33.7	1.696	2.655	5.8	21.5
1 16	6 22.04	+36 37.5	1.731	2.655	9.0	21.7
1 26	6 13.77	+36 25.7	1.791	2.656	12.4	21.9
2 5	6 8.54	+36 2.7	1.873	2.657	15.4	22.1

272570 2005 UG_{514} 12 30.7 232°.23 3°.5/31.1 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 27	7 7.92	+14 39.6	1.627	2.449	15.7	21.5
12 7	7 2.28	+14 23.3	1.547	2.444	12.0	21.2
12 17	6 53.92	+14 16.2	1.490	2.439	7.9	21.0
12 27	6 43.71	+14 18.8	1.459	2.433	4.1	20.7
1 6	6 32.89	+14 30.2	1.456	2.428	4.6	20.7
1 16	6 22.82	+14 49.2	1.481	2.422	8.7	21.0
1 26	6 14.78	+15 13.9	1.532	2.416	12.9	21.2
2 5	6 9.59	+15 42.4	1.604	2.410	16.6	21.4

43327 2000 LH_{3} 12 30.7 97°.09 4°.6/31.6 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 27	7 5.60	+ 9 51.0	2.036	2.837	13.8	18.7
12 7	6 59.85	+ 9 31.5	1.972	2.852	10.7	18.5
12 17	6 52.11	+ 9 23.2	1.933	2.868	7.5	18.4
12 27	6 43.16	+ 9 27.1	1.921	2.883	4.9	18.2
1 6	6 33.94	+ 9 42.6	1.937	2.898	5.1	18.3
1 16	6 25.45	+10 8.1	1.983	2.912	7.7	18.5
1 26	6 18.57	+10 41.3	2.055	2.927	10.7	18.7
2 5	6 13.87	+11 19.4	2.151	2.941	13.5	18.9

226632 2004 FP_3 12 30.7 232°.05 1°.4/30.8 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
11 27	7 9.69	+19 27.6	1.823	2.643	14.3	21.5
12 7	7 3.49	+19 24.0	1.733	2.632	10.8	21.3
12 17	6 54.63	+19 24.9	1.666	2.620	6.7	21.0
12 27	6 43.92	+19 29.0	1.627	2.607	2.3	20.7
1 6	6 32.53	+19 34.8	1.618	2.594	3.3	20.7
1 16	6 21.79	+19 41.4	1.638	2.580	7.8	21.0
1 26	6 12.94	+19 48.5	1.684	2.566	12.1	21.2
2 5	6 6.83	+19 56.3	1.753	2.551	15.7	21.4

105385 2000 QZ_{137} 12 30.7 149°.66 2°.9/31.3 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 27	7 5.04	+12 57.1	2.529	3.328	11.5	20.9
12 7	6 59.19	+12 54.2	2.454	3.337	8.8	20.8
12 17	6 51.65	+12 58.8	2.404	3.346	5.8	20.6
12 27	6 43.03	+13 10.8	2.383	3.354	3.3	20.4
1 6	6 34.14	+13 29.3	2.393	3.361	3.5	20.5
1 16	6 25.78	+13 53.0	2.434	3.368	6.1	20.6
1 26	6 18.72	+14 20.5	2.503	3.375	9.0	20.8
2 5	6 13.50	+14 50.3	2.597	3.381	11.6	21.0

291748 2006 KD_3 12 30.7 177°.57 3°.0/31.3 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 27	7 2.52	+11 54.9	3.018	3.811	9.9	21.8
12 7	6 57.13	+11 39.6	2.935	3.813	7.7	21.7
12 17	6 50.35	+11 30.8	2.878	3.814	5.2	21.5
12 27	6 42.67	+11 28.8	2.850	3.815	3.2	21.4
1 6	6 34.75	+11 33.4	2.852	3.815	3.4	21.4
1 16	6 27.23	+11 44.0	2.886	3.815	5.6	21.6
1 26	6 20.75	+11 59.8	2.948	3.815	8.0	21.7
2 5	6 15.77	+12 19.4	3.036	3.814	10.2	21.9

4818 Elgar 12 30.7 213°.83 1°.5/30.9 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 27	7 9.77	+18 46.1	1.713	2.536	15.0	17.7
12 7	7 3.62	+18 47.6	1.631	2.531	11.3	17.5
12 17	6 54.73	+18 55.1	1.571	2.525	7.0	17.2
12 27	6 43.95	+19 7.0	1.539	2.519	2.5	16.9
1 6	6 32.52	+19 21.4	1.535	2.512	3.4	17.0
1 16	6 21.84	+19 36.9	1.561	2.504	8.1	17.2
1 26	6 13.18	+19 52.6	1.612	2.496	12.4	17.5
2 5	6 7.38	+20 8.4	1.686	2.488	16.1	17.7

197512 2004 CN_{28} 12 30.7 27°.99 0°.5/30.8 17

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 27	7 3.55	+20 33.0	1.925	2.755	13.3	20.3
12 7	6 58.63	+20 47.6	1.858	2.763	9.9	20.1
12 17	6 51.53	+21 6.5	1.816	2.772	5.9	19.9
12 27	6 43.02	+21 27.7	1.800	2.781	1.7	19.6
1 6	6 34.17	+21 49.2	1.814	2.791	2.7	19.7
1 16	6 26.05	+22 9.2	1.856	2.801	6.8	20.0
1 26	6 19.64	+22 27.2	1.925	2.812	10.5	20.2
2 5	6 15.60	+22 42.8	2.017	2.823	13.6	20.5

514655 2005 SN_{147} 12 30.7 75°.84 5°.2/29.9 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 27	7 13.17	+33 4.3	1.456	2.288	16.7	21.1
12 7	7 6.63	+34 0.2	1.401	2.302	12.7	20.9
12 17	6 56.66	+34 49.3	1.369	2.317	8.5	20.7
12 27	6 44.45	+35 24.0	1.362	2.331	5.4	20.5
1 6	6 31.77	+35 39.0	1.382	2.345	6.3	20.6
1 16	6 20.45	+35 33.9	1.429	2.359	10.0	20.9
1 26	6 11.99	+35 12.7	1.500	2.373	13.8	21.2
2 5	6 7.19	+34 41.3	1.592	2.388	17.2	21.4

27951 1997 OG_2 12 30.7 134°.12 1°.1/30.8 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 27	7 10.37	+19 41.0	1.904	2.721	14.0	19.9
12 7	7 3.59	+19 44.6	1.837	2.734	10.4	19.7
12 17	6 54.45	+19 52.5	1.794	2.748	6.3	19.4
12 27	6 43.82	+20 3.0	1.780	2.760	2.0	19.2
1 6	6 32.86	+20 14.2	1.795	2.772	3.0	19.3
1 16	6 22.76	+20 25.1	1.841	2.783	7.2	19.6
1 26	6 14.59	+20 35.4	1.914	2.794	11.0	19.8
2 5	6 8.99	+20 45.2	2.010	2.803	14.2	20.1

292536 2006 TN_{46} 12 30.7 118°.16 2°.1/30.3 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 27	7 8.58	+27 43.4	2.047	2.869	12.9	21.2
12 7	7 2.35	+28 17.9	1.979	2.880	9.6	21.0
12 17	6 53.76	+28 51.0	1.936	2.889	5.9	20.8
12 27	6 43.64	+29 18.9	1.921	2.899	2.5	20.6
1 6	6 33.13	+29 38.5	1.936	2.908	3.5	20.7
1 16	6 23.42	+29 48.6	1.980	2.917	7.1	20.9
1 26	6 15.56	+29 50.1	2.051	2.926	10.6	21.2
2 5	6 10.24	+29 45.1	2.146	2.934	13.6	21.4

323200 2003 QT_{104} 12 30.7 99°.91 4°.1/30.3 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 27	7 15.90	+31 32.4	1.450	2.279	16.9	20.9
12 7	7 8.48	+32 8.1	1.397	2.298	12.7	20.7
12 17	6 57.66	+32 37.5	1.365	2.316	8.2	20.5
12 27	6 44.71	+32 53.9	1.360	2.334	4.5	20.3
1 6	6 31.42	+32 53.5	1.383	2.351	5.4	20.4
1 16	6 19.61	+32 36.7	1.433	2.368	9.5	20.7
1 26	6 10.73	+32 7.8	1.507	2.384	13.6	21.0
2 5	6 5.51	+31 32.3	1.603	2.400	17.0	21.2

469487 2002 TF_{299} 12 30.7 115°.67 0°.3/30.7 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
11 27	7 12.07	+22 4.1	1.678	2.502	15.2	21.6
12 7	7 5.09	+22 8.6	1.618	2.520	11.3	21.3
12 17	6 55.42	+22 15.7	1.581	2.536	6.7	21.1
12 27	6 44.09	+22 22.8	1.571	2.552	1.9	20.8
1 6	6 32.46	+22 27.9	1.591	2.568	3.1	21.0
1 16	6 21.90	+22 30.4	1.639	2.583	7.8	21.3
1 26	6 13.59	+22 30.6	1.714	2.597	11.9	21.6
2 5	6 8.20	+22 29.9	1.812	2.610	15.3	21.8

325684 2009 TL_{39} 12 30.7 89°.17 6°.9/ 1.6 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 27	7 3.12	+ 1 30.3	2.221	2.991	13.8	20.4
12 7	6 57.93	+ 1 6.7	2.154	3.001	11.3	20.3
12 17	6 50.96	+ 0 59.3	2.110	3.012	8.9	20.1
12 27	6 42.87	+ 1 10.2	2.092	3.023	7.2	20.0
1 6	6 34.50	+ 1 39.1	2.101	3.034	7.1	20.0
1 16	6 26.73	+ 2 24.2	2.139	3.044	8.6	20.2
1 26	6 20.34	+ 3 21.9	2.203	3.055	10.9	20.3
2 5	6 15.89	+ 4 27.8	2.290	3.065	13.2	20.5

138499 2000 KE_{43} 12 30.7 118°.23 1°.3/30.9 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 27	7 6.92	+19 30.9	2.038	2.858	13.1	20.4
12 7	7 0.96	+19 24.7	1.968	2.867	9.7	20.2
12 17	6 52.85	+19 22.4	1.922	2.876	5.9	20.0
12 27	6 43.40	+19 22.9	1.905	2.884	2.1	19.7
1 6	6 33.63	+19 25.2	1.917	2.893	2.9	19.8
1 16	6 24.60	+19 28.6	1.958	2.901	6.8	20.1
1 26	6 17.28	+19 32.9	2.027	2.909	10.4	20.3
2 5	6 12.29	+19 38.0	2.120	2.917	13.4	20.5

368194 2000 WO_4 12 30.7 85°.19 1°.1/30.6 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 27	7 17.80	+26 12.6	1.409	2.237	17.4	21.0
12 7	7 9.43	+26 8.7	1.366	2.269	12.8	20.8
12 17	6 57.95	+26 2.3	1.345	2.301	7.6	20.6
12 27	6 44.74	+25 50.2	1.351	2.332	2.3	20.4
1 6	6 31.54	+25 31.1	1.386	2.362	3.6	20.5
1 16	6 20.00	+25 6.3	1.448	2.392	8.6	20.9
1 26	6 11.37	+24 39.0	1.537	2.420	12.9	21.2
2 5	6 6.22	+24 12.1	1.647	2.448	16.5	21.5

356720 2011 UX_{175} 12 30.7 57°.64 2°.0/30.5 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 27	7 8.93	+27 46.1	1.654	2.487	15.0	20.7
12 7	7 2.99	+28 2.1	1.591	2.497	11.1	20.5
12 17	6 54.28	+28 15.7	1.552	2.508	6.8	20.3
12 27	6 43.81	+28 23.2	1.539	2.518	2.7	20.0
1 6	6 32.96	+28 22.2	1.554	2.529	3.8	20.1
1 16	6 23.17	+28 12.3	1.597	2.540	8.1	20.4
1 26	6 15.64	+27 55.5	1.666	2.551	12.1	20.7
2 5	6 11.10	+27 34.8	1.758	2.562	15.4	20.9

118502 2000 DV_{70} 12 30.7 347°.41 4°.8/30.3 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 27	7 11.47	+32 54.2	1.393	2.231	17.0	19.6
12 7	7 5.68	+33 25.0	1.324	2.229	13.0	19.3
12 17	6 56.29	+33 48.7	1.277	2.228	8.6	19.1
12 27	6 44.45	+33 58.5	1.254	2.226	5.1	18.9
1 6	6 31.92	+33 50.1	1.257	2.225	6.0	18.9
1 16	6 20.64	+33 23.4	1.287	2.224	10.2	19.1
1 26	6 12.23	+32 43.0	1.341	2.223	14.5	19.4
2 5	6 7.61	+31 55.1	1.415	2.223	18.3	19.6

260822 2005 PU_{15} 12 30.7 147°.96 3°.2/31.6 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 27	7 5.32	+12 2.1	2.117	2.923	13.2	20.9
12 7	6 59.77	+12 15.3	2.040	2.927	10.1	20.7
12 17	6 52.19	+12 39.3	1.988	2.931	6.7	20.5
12 27	6 43.27	+13 13.3	1.963	2.934	3.7	20.4
1 6	6 33.94	+13 55.4	1.968	2.938	3.9	20.4
1 16	6 25.20	+14 43.2	2.003	2.941	7.0	20.6
1 26	6 17.96	+15 33.9	2.065	2.944	10.3	20.8
2 5	6 12.89	+16 25.0	2.152	2.946	13.3	21.0

321092 2008 SB_{256} 12 30.7 345°.57 0°.6/30.6 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 27	7 4.33	+24 0.7	2.086	2.913	12.5	21.0
12 7	6 59.23	+24 16.5	2.006	2.911	9.3	20.7
12 17	6 51.94	+24 33.8	1.952	2.908	5.6	20.5
12 27	6 43.21	+24 50.0	1.925	2.906	1.6	20.2
1 6	6 34.04	+25 3.2	1.927	2.904	2.7	20.3
1 16	6 25.50	+25 12.1	1.959	2.902	6.7	20.6
1 26	6 18.59	+25 16.8	2.018	2.901	10.3	20.8
2 5	6 14.00	+25 18.3	2.100	2.900	13.4	21.0

400662 2009 HN_{94} 12 30.7 157°.66 1°.8/30.9 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 27	7 6.51	+18 5.8	2.133	2.949	12.7	21.9
12 7	7 0.62	+17 52.3	2.056	2.952	9.5	21.7
12 17	6 52.67	+17 43.3	2.005	2.956	5.9	21.5
12 27	6 43.40	+17 38.3	1.981	2.959	2.4	21.3
1 6	6 33.77	+17 36.5	1.987	2.962	3.1	21.4
1 16	6 24.82	+17 37.7	2.023	2.964	6.7	21.6
1 26	6 17.46	+17 41.3	2.087	2.967	10.2	21.8
2 5	6 12.32	+17 47.2	2.174	2.969	13.2	22.0

87202 2000 OV_{25} 12 30.7 105°.52 0°.4/30.8 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
11 27	7 10.65	+20 21.5	1.802	2.622	14.5	19.2
12 7	7 3.90	+20 44.7	1.743	2.643	10.7	19.0
12 17	6 54.69	+21 12.4	1.709	2.664	6.4	18.8
12 27	6 43.94	+21 41.8	1.702	2.684	1.8	18.5
1 6	6 32.90	+22 10.1	1.726	2.703	2.9	18.6
1 16	6 22.82	+22 35.1	1.778	2.722	7.3	19.0
1 26	6 14.78	+22 56.5	1.858	2.740	11.2	19.2
2 5	6 9.44	+23 14.5	1.961	2.757	14.4	19.5

105905 2000 SL_{199} 12 30.7 0°.28 1°.4/30.5 17

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 27	7 6.62	+25 59.4	1.961	2.789	13.2	20.0
12 7	7 1.05	+26 19.9	1.885	2.789	9.8	19.7
12 17	6 53.09	+26 40.3	1.833	2.789	5.9	19.5
12 27	6 43.54	+26 57.5	1.809	2.789	2.0	19.3
1 6	6 33.53	+27 9.0	1.813	2.789	3.2	19.3
1 16	6 24.24	+27 13.6	1.847	2.789	7.2	19.6
1 26	6 16.78	+27 12.0	1.908	2.789	10.9	19.8
2 5	6 11.87	+27 6.0	1.991	2.789	14.1	20.0

331415 2012 FE_{62} 12 30.7 305°.55 4°.7/31.4 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 27	7 3.25	+ 9 58.7	2.113	2.916	13.2	20.2
12 7	6 58.26	+ 9 31.7	2.032	2.913	10.4	20.0
12 17	6 51.30	+ 9 15.0	1.974	2.909	7.4	19.8
12 27	6 43.04	+ 9 10.0	1.944	2.906	5.0	19.7
1 6	6 34.38	+ 9 16.9	1.943	2.902	5.2	19.7
1 16	6 26.27	+ 9 34.7	1.969	2.899	7.7	19.8
1 26	6 19.61	+10 1.7	2.023	2.895	10.8	20.0
2 5	6 15.04	+10 35.2	2.099	2.892	13.7	20.2

101234 1998 SE_{77} 12 30.7 146°.56 1°.7/30.9 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 27	7 7.66	+18 21.4	2.056	2.872	13.1	20.3
12 7	7 1.52	+18 12.0	1.983	2.879	9.8	20.1
12 17	6 53.22	+18 7.1	1.934	2.886	6.1	19.9
12 27	6 43.55	+18 6.1	1.913	2.892	2.4	19.7
1 6	6 33.54	+18 8.0	1.923	2.898	3.1	19.7
1 16	6 24.26	+18 12.2	1.962	2.903	6.9	20.0
1 26	6 16.66	+18 18.2	2.028	2.908	10.4	20.2
2 5	6 11.39	+18 25.8	2.119	2.913	13.5	20.4

389456 2010 DT_{21} 12 30.7 269°.46 3°.7/30.5 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 27	7 12.91	+32 46.6	1.701	2.525	15.1	21.0
12 7	7 6.36	+32 52.7	1.610	2.509	11.6	20.7
12 17	6 56.60	+32 51.1	1.543	2.492	7.6	20.5
12 27	6 44.57	+32 36.7	1.501	2.475	4.1	20.2
1 6	6 31.79	+32 6.6	1.489	2.458	4.9	20.2
1 16	6 19.92	+31 21.5	1.504	2.441	9.0	20.4
1 26	6 10.47	+30 25.9	1.545	2.423	13.2	20.6
2 5	6 4.38	+29 25.4	1.609	2.405	17.0	20.8

33874 2000 JF_{53} 12 30.7 338°.82 8°.7/29.0 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 27	7 10.52	+41 11.5	1.570	2.392	16.2	17.6
12 7	7 5.24	+42 30.7	1.500	2.384	13.2	17.4
12 17	6 56.22	+43 38.4	1.451	2.376	10.4	17.2
12 27	6 44.51	+44 24.6	1.427	2.370	8.8	17.1
1 6	6 31.88	+44 42.4	1.429	2.364	9.5	17.2
1 16	6 20.34	+44 30.3	1.455	2.358	12.1	17.3
1 26	6 11.70	+43 53.0	1.504	2.353	15.2	17.5
2 5	6 6.99	+42 58.3	1.572	2.349	18.2	17.7

212434 2006 OA_{16} 12 30.7 323°.96 9°.8/30.8 17

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 27	7 20.96	+49 19.8	1.810	2.589	16.1	19.9
12 7	7 12.57	+49 53.9	1.741	2.587	13.7	19.8
12 17	7 0.28	+50 7.3	1.693	2.586	11.3	19.6
12 27	6 45.52	+49 51.0	1.670	2.585	9.9	19.5
1 6	6 30.39	+49 1.0	1.672	2.584	10.1	19.5
1 16	6 17.01	+47 39.8	1.701	2.583	11.9	19.6
1 26	6 7.02	+45 55.9	1.754	2.583	14.3	19.8
2 5	6 1.15	+43 59.8	1.829	2.582	16.8	20.0

13507 1989 AN_{5} 12 30.7 33°.64 2°.6/31.4 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 27	7 3.54	+14 6.1	1.944	2.763	13.7	18.2
12 7	6 58.61	+14 21.6	1.875	2.770	10.4	18.0
12 17	6 51.56	+14 47.0	1.828	2.777	6.7	17.8
12 27	6 43.13	+15 21.2	1.810	2.785	3.2	17.6
1 6	6 34.32	+16 2.0	1.819	2.793	3.6	17.7
1 16	6 26.17	+16 46.8	1.858	2.801	7.1	17.9
1 26	6 19.64	+17 33.0	1.924	2.809	10.6	18.1
2 5	6 15.38	+18 18.5	2.013	2.818	13.7	18.4

403173 2008 GK_{139} 12 30.7 37°.39 3°.7/30.1 17

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 27	7 8.40	+31 40.7	1.894	2.720	13.7	21.2
12 7	7 2.58	+32 18.2	1.823	2.722	10.4	21.0
12 17	6 54.10	+32 51.4	1.775	2.724	6.8	20.8
12 27	6 43.85	+33 15.3	1.754	2.726	3.9	20.7
1 6	6 33.10	+33 26.4	1.762	2.728	4.8	20.7
1 16	6 23.20	+33 23.8	1.798	2.730	8.1	20.9
1 26	6 15.36	+33 9.4	1.860	2.733	11.6	21.1
2 5	6 10.35	+32 46.9	1.945	2.735	14.7	21.4

460490 2014 SD_{307} 12 30.7 347°.94 5°.1/29.5 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
11 27	7 7.90	+35 56.0	2.140	2.956	12.7	20.7
12 7	7 2.15	+36 54.0	2.066	2.955	9.8	20.5
12 17	6 53.84	+37 45.7	2.016	2.954	7.0	20.3
12 27	6 43.79	+38 25.5	1.994	2.953	5.2	20.2
1 6	6 33.18	+38 49.1	2.001	2.952	5.9	20.2
1 16	6 23.28	+38 55.2	2.036	2.951	8.4	20.4
1 26	6 15.29	+38 45.8	2.096	2.951	11.3	20.6
2 5	6 9.99	+38 24.7	2.180	2.950	13.9	20.7

48641 1995 UA_{1} 12 30.7 308°.40 4°.2/30.4 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 27	7 11.61	+31 52.3	1.415	2.252	16.8	18.4
12 7	7 5.78	+32 16.2	1.341	2.247	12.8	18.2
12 17	6 56.38	+32 34.0	1.289	2.241	8.4	17.9
12 27	6 44.53	+32 39.4	1.262	2.236	4.6	17.6
1 6	6 31.94	+32 28.2	1.261	2.231	5.6	17.7
1 16	6 20.51	+32 0.6	1.287	2.226	9.9	17.9
1 26	6 11.89	+31 20.6	1.338	2.222	14.4	18.2
2 5	6 7.00	+30 34.2	1.408	2.217	18.3	18.4

434552 2005 TU_{98} 12 30.7 70°.80 2°.6/31.0 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 27	7 12.76	+17 9.0	1.407	2.235	17.4	20.4
12 7	7 5.64	+16 55.7	1.366	2.267	13.0	20.2
12 17	6 55.73	+16 50.5	1.347	2.299	8.0	20.0
12 27	6 44.23	+16 52.4	1.354	2.331	3.4	19.8
1 6	6 32.68	+16 59.7	1.388	2.363	4.1	20.0
1 16	6 22.52	+17 11.1	1.451	2.394	8.6	20.3
1 26	6 14.91	+17 25.6	1.538	2.425	12.7	20.6
2 5	6 10.42	+17 41.9	1.648	2.455	16.2	20.9

68923 2002 LV_{40} 12 30.7 83°.55 5°.9/31.6 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 27	7 4.67	+ 5 35.6	2.336	3.117	12.8	19.2
12 7	6 58.90	+ 4 46.2	2.279	3.139	10.3	19.0
12 17	6 51.48	+ 4 8.8	2.247	3.161	7.8	18.9
12 27	6 43.08	+ 3 45.6	2.241	3.183	6.1	18.8
1 6	6 34.52	+ 3 37.3	2.265	3.204	6.2	18.9
1 16	6 26.63	+ 3 43.3	2.317	3.226	7.9	19.0
1 26	6 20.12	+ 4 1.5	2.396	3.247	10.2	19.2
2 5	6 15.50	+ 4 29.1	2.499	3.268	12.4	19.4

271479 2004 FV_{27} 12 30.7 316°.89 1°.3/30.6 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 27	7 7.62	+25 8.2	1.274	2.124	17.5	20.7
12 7	7 3.08	+25 21.1	1.194	2.109	13.2	20.4
12 17	6 54.95	+25 35.5	1.134	2.094	8.1	20.0
12 27	6 44.21	+25 47.3	1.099	2.080	2.5	19.7
1 6	6 32.48	+25 52.7	1.089	2.067	4.1	19.7
1 16	6 21.67	+25 50.2	1.105	2.054	9.9	20.0
1 26	6 13.56	+25 41.2	1.144	2.042	15.2	20.3
2 5	6 9.22	+25 28.3	1.203	2.030	19.7	20.5

350856 2002 LC_{63} 12 30.7 86°.22 3°.4/30.6 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 27	7 13.39	+32 49.8	1.785	2.605	14.6	20.2
12 7	7 6.06	+32 51.7	1.726	2.622	11.0	20.0
12 17	6 56.01	+32 45.5	1.691	2.639	7.1	19.8
12 27	6 44.33	+32 27.5	1.683	2.656	3.8	19.6
1 6	6 32.49	+31 56.5	1.704	2.673	4.5	19.7
1 16	6 21.88	+31 14.1	1.754	2.690	8.0	19.9
1 26	6 13.67	+30 24.5	1.831	2.706	11.6	20.2
2 5	6 8.48	+29 32.2	1.931	2.723	14.7	20.4

100633 1997 UX_{13} 12 30.7 32°.91 3°.6/29.8 17

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 27	7 6.32	+30 42.1	1.962	2.790	13.2	19.5
12 7	7 0.95	+31 39.7	1.897	2.798	9.9	19.3
12 17	6 53.09	+32 34.6	1.857	2.806	6.5	19.1
12 27	6 43.59	+33 21.5	1.844	2.815	3.8	18.9
1 6	6 33.62	+33 56.1	1.860	2.825	4.7	19.0
1 16	6 24.42	+34 16.8	1.904	2.834	7.9	19.2
1 26	6 17.14	+34 24.4	1.974	2.844	11.2	19.4
2 5	6 12.51	+34 21.7	2.067	2.855	14.0	19.7

493143 2014 TE_{48} 12 30.7 342°.81 5°.5/29.6 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 27	7 7.94	+36 52.7	2.006	2.824	13.3	21.0
12 7	7 2.36	+37 46.5	1.931	2.821	10.4	20.8
12 17	6 54.05	+38 32.9	1.881	2.817	7.5	20.7
12 27	6 43.88	+39 5.8	1.857	2.814	5.6	20.5
1 6	6 33.12	+39 21.0	1.861	2.812	6.3	20.6
1 16	6 23.15	+39 17.5	1.893	2.809	8.9	20.7
1 26	6 15.24	+38 57.7	1.950	2.807	11.9	20.9
2 5	6 10.21	+38 26.0	2.029	2.805	14.7	21.1

113047 2002 RW_{51} 12 30.7 1°.70 6°.7/29.4 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 27	7 7.13	+38 26.1	1.806	2.629	14.3	18.3
12 7	7 2.05	+39 30.3	1.739	2.628	11.4	18.1
12 17	6 53.98	+40 25.3	1.694	2.627	8.5	17.9
12 27	6 43.87	+41 4.1	1.676	2.628	6.7	17.8
1 6	6 33.14	+41 21.8	1.684	2.629	7.4	17.9
1 16	6 23.34	+41 17.4	1.719	2.631	9.9	18.0
1 26	6 15.85	+40 53.9	1.778	2.633	12.9	18.2
2 5	6 11.52	+40 16.7	1.858	2.637	15.7	18.4

358190 2006 SA_{99} 12 30.7 224°.53 6°.2/31.5 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
11 27	7 5.02	+ 6 8.8	2.116	2.904	13.8	21.3
12 7	6 59.59	+ 5 27.1	2.033	2.898	11.1	21.1
12 17	6 52.13	+ 4 57.6	1.972	2.892	8.4	21.0
12 27	6 43.33	+ 4 43.0	1.939	2.885	6.4	20.8
1 6	6 34.08	+ 4 44.2	1.933	2.879	6.6	20.8
1 16	6 25.36	+ 5 0.8	1.956	2.872	8.7	20.9
1 26	6 18.10	+ 5 30.6	2.005	2.864	11.5	21.1
2 5	6 12.96	+ 6 10.1	2.077	2.857	14.2	21.3

522131 2016 AN_{245} 12 30.7 54°.84 1°.3/30.5 16

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 27	7 5.86	+25 47.8	2.057	2.883	12.7	21.2
12 7	7 0.35	+26 8.8	1.987	2.890	9.4	21.0
12 17	6 52.61	+26 29.7	1.941	2.896	5.7	20.8
12 27	6 43.45	+26 47.6	1.923	2.903	1.9	20.6
1 6	6 33.91	+27 0.3	1.934	2.910	3.0	20.7
1 16	6 25.10	+27 6.6	1.975	2.917	6.8	20.9
1 26	6 18.02	+27 7.2	2.043	2.924	10.3	21.1
2 5	6 13.34	+27 3.4	2.134	2.931	13.3	21.4

133394 2003 SV_{162} 12 30.7 46°.28 1°.0/30.9 17

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 27	7 4.52	+19 40.7	1.996	2.821	13.1	20.3
12 7	6 59.29	+19 43.8	1.929	2.831	9.7	20.1
12 17	6 51.94	+19 51.2	1.886	2.841	5.9	19.9
12 27	6 43.26	+20 1.6	1.871	2.851	1.9	19.7
1 6	6 34.26	+20 13.5	1.885	2.862	2.8	19.8
1 16	6 25.99	+20 25.7	1.928	2.872	6.7	20.0
1 26	6 19.39	+20 37.7	1.998	2.883	10.3	20.3
2 5	6 15.08	+20 49.2	2.091	2.894	13.3	20.5

22316 1991 LO_{1} 12 30.7 208°.22 0°.8/30.5 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 27	7 10.58	+23 5.2	1.669	2.497	15.1	19.2
12 7	7 4.45	+23 39.8	1.589	2.493	11.3	19.0
12 17	6 55.39	+24 18.4	1.533	2.489	6.8	18.7
12 27	6 44.28	+24 57.0	1.504	2.485	2.0	18.4
1 6	6 32.45	+25 31.2	1.504	2.480	3.4	18.5
1 16	6 21.39	+25 58.4	1.532	2.475	8.2	18.8
1 26	6 12.50	+26 18.2	1.586	2.469	12.6	19.0
2 5	6 6.66	+26 31.9	1.663	2.463	16.4	19.2

293730 2007 RV_{26} 12 30.7 355°.86 2°.9/31.2 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 27	7 4.66	+15 58.7	1.377	2.218	17.0	19.7
12 7	7 0.29	+15 55.2	1.307	2.214	12.9	19.5
12 17	6 52.96	+16 2.3	1.258	2.212	8.3	19.2
12 27	6 43.61	+16 19.5	1.233	2.210	3.7	18.9
1 6	6 33.63	+16 44.9	1.234	2.209	4.4	19.0
1 16	6 24.53	+17 15.8	1.262	2.209	9.1	19.2
1 26	6 17.70	+17 50.0	1.313	2.210	13.7	19.5
2 5	6 13.99	+18 25.0	1.386	2.211	17.7	19.8

133233 2003 QC_{106} 12 30.7 104°.15 3°.4/31.3 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 27	7 3.79	+12 33.0	2.306	3.111	12.2	19.5
12 7	6 58.46	+12 18.0	2.234	3.119	9.4	19.3
12 17	6 51.34	+12 11.3	2.187	3.128	6.3	19.2
12 27	6 43.09	+12 13.0	2.167	3.135	3.8	19.0
1 6	6 34.55	+12 22.9	2.177	3.143	4.0	19.0
1 16	6 26.60	+12 39.7	2.216	3.151	6.7	19.2
1 26	6 20.03	+13 2.2	2.284	3.159	9.6	19.4
2 5	6 15.41	+13 28.4	2.375	3.166	12.3	19.6

226360 2003 HO_{7} 12 30.7 306°.74 2°.5/30.3 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 27	7 7.81	+26 44.0	1.415	2.259	16.4	20.2
12 7	7 3.11	+27 21.8	1.328	2.239	12.4	19.9
12 17	6 54.97	+28 1.6	1.262	2.220	7.7	19.6
12 27	6 44.24	+28 37.8	1.221	2.201	3.1	19.3
1 6	6 32.43	+29 4.8	1.207	2.182	4.6	19.3
1 16	6 21.34	+29 19.8	1.220	2.164	9.8	19.5
1 26	6 12.73	+29 23.1	1.256	2.146	14.7	19.8
2 5	6 7.72	+29 17.7	1.312	2.128	19.0	20.0

16316 2089 T_{-1} 12 30.7 155°.39 0°.1/30.7 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 27	7 4.05	+22 58.4	2.915	3.727	9.8	19.5
12 7	6 58.41	+23 6.9	2.837	3.733	7.2	19.4
12 17	6 51.22	+23 16.3	2.785	3.739	4.3	19.2
12 27	6 43.05	+23 25.3	2.763	3.744	1.2	18.9
1 6	6 34.63	+23 32.6	2.773	3.749	2.0	19.0
1 16	6 26.68	+23 37.8	2.813	3.754	5.1	19.2
1 26	6 19.91	+23 40.7	2.883	3.758	7.8	19.4
2 5	6 14.83	+23 41.8	2.978	3.762	10.2	19.6

51240 2000 JW_{36} 12 30.7 189°.81 0°.6/30.6 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 27	7 4.19	+24 25.2	2.787	3.602	10.1	19.5
12 7	6 58.65	+24 39.2	2.703	3.601	7.5	19.3
12 17	6 51.43	+24 53.6	2.645	3.600	4.5	19.1
12 27	6 43.13	+25 6.6	2.617	3.598	1.3	18.9
1 6	6 34.50	+25 16.8	2.620	3.596	2.2	18.9
1 16	6 26.34	+25 23.3	2.654	3.594	5.4	19.1
1 26	6 19.41	+25 26.3	2.717	3.592	8.3	19.3
2 5	6 14.26	+25 26.5	2.804	3.590	10.8	19.5

110269 2001 SD_{249} 12 30.7 167°.13 9°.4/ 1.5 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
11 27	7 4.49	− 7 18.2	2.497	3.211	13.8	20.6
12 7	6 58.86	− 8 20.5	2.427	3.215	12.1	20.5
12 17	6 51.55	− 9 4.5	2.378	3.219	10.6	20.4
12 27	6 43.16	− 9 26.2	2.354	3.222	9.6	20.3
1 6	6 34.46	− 9 24.0	2.355	3.225	9.5	20.3
1 16	6 26.25	− 8 58.6	2.383	3.228	10.4	20.4
1 26	6 19.30	− 8 12.8	2.436	3.229	11.9	20.5
2 5	6 14.15	− 7 11.7	2.510	3.231	13.6	20.6

164358 2005 DB 12 30.7 211°.39 3°.2/30.3 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 27	7 7.43	+33 16.4	2.442	3.256	11.4	20.1
12 7	7 1.34	+33 31.8	2.362	3.254	8.6	19.9
12 17	6 53.15	+33 41.5	2.307	3.252	5.7	19.7
12 27	6 43.61	+33 42.3	2.281	3.251	3.4	19.6
1 6	6 33.71	+33 32.3	2.284	3.249	4.0	19.6
1 16	6 24.49	+33 11.5	2.317	3.247	6.7	19.8
1 26	6 16.89	+32 41.9	2.378	3.244	9.6	20.0
2 5	6 11.56	+32 6.6	2.463	3.242	12.3	20.1

382381 2013 TU_{121} 12 30.7 119°.24 0°.4/30.7 16

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 27	7 13.59	+23 12.4	1.622	2.446	15.6	22.3
12 7	7 6.37	+23 28.0	1.562	2.464	11.6	22.1
12 17	6 56.32	+23 45.6	1.526	2.481	6.9	21.9
12 27	6 44.48	+24 1.6	1.517	2.498	1.9	21.6
1 6	6 32.30	+24 13.3	1.537	2.514	3.2	21.8
1 16	6 21.26	+24 19.7	1.586	2.529	8.0	22.1
1 26	6 12.60	+24 21.6	1.661	2.544	12.2	22.4
2 5	6 7.03	+24 20.6	1.759	2.557	15.7	22.6

265974 2006 DN_{23} 12 30.7 258°.54 3°.9/30.1 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 27	7 7.87	+33 59.8	2.231	3.048	12.2	20.9
12 7	7 1.92	+34 30.1	2.153	3.045	9.3	20.7
12 17	6 53.61	+34 54.6	2.099	3.043	6.3	20.5
12 27	6 43.76	+35 8.9	2.074	3.041	4.0	20.4
1 6	6 33.45	+35 10.4	2.077	3.039	4.7	20.4
1 16	6 23.87	+34 58.5	2.110	3.036	7.5	20.6
1 26	6 16.08	+34 35.4	2.169	3.034	10.5	20.8
2 5	6 10.79	+34 4.4	2.252	3.032	13.3	20.9

196267 2003 EF_{12} 12 30.7 240°.97 6°.1/31.5 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 27	7 7.04	+ 7 34.7	1.905	2.700	14.8	21.0
12 7	7 1.39	+ 6 59.4	1.814	2.687	11.9	20.8
12 17	6 53.38	+ 6 36.7	1.747	2.674	8.8	20.5
12 27	6 43.73	+ 6 29.2	1.705	2.660	6.4	20.4
1 6	6 33.46	+ 6 37.7	1.692	2.645	6.6	20.4
1 16	6 23.70	+ 7 1.5	1.707	2.630	9.2	20.5
1 26	6 15.59	+ 7 38.1	1.748	2.615	12.5	20.6
2 5	6 9.88	+ 8 24.0	1.812	2.599	15.7	20.8

260831 2005 QU_{21} 12 30.7 145°.46 1°.8/30.4 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 27	7 8.66	+28 14.6	2.281	3.098	12.0	21.3
12 7	7 2.24	+28 31.8	2.208	3.106	8.9	21.1
12 17	6 53.67	+28 46.7	2.161	3.113	5.5	20.9
12 27	6 43.75	+28 56.2	2.142	3.120	2.3	20.7
1 6	6 33.50	+28 58.4	2.154	3.127	3.1	20.8
1 16	6 23.98	+28 52.9	2.196	3.133	6.5	21.0
1 26	6 16.14	+28 40.8	2.266	3.139	9.8	21.2
2 5	6 10.61	+28 24.5	2.360	3.145	12.6	21.4

516864 2011 FF_{78} 12 30.7 270°.03 0°.8/30.8 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 27	7 8.83	+20 15.6	1.553	2.386	15.8	21.6
12 7	7 3.40	+20 26.5	1.465	2.371	11.9	21.3
12 17	6 54.91	+20 43.5	1.399	2.356	7.3	21.0
12 27	6 44.20	+21 4.2	1.360	2.341	2.2	20.7
1 6	6 32.62	+21 25.9	1.348	2.325	3.5	20.7
1 16	6 21.71	+21 46.4	1.363	2.310	8.7	21.0
1 26	6 12.97	+22 4.7	1.404	2.294	13.5	21.2
2 5	6 7.39	+22 21.0	1.467	2.278	17.6	21.4

356088 2009 DL_{133} 12 30.7 246°.03 3°.9/31.4 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 27	7 5.68	+12 7.0	1.958	2.768	13.9	21.7
12 7	7 0.30	+11 53.5	1.872	2.759	10.8	21.4
12 17	6 52.68	+11 50.0	1.809	2.751	7.3	21.2
12 27	6 43.53	+11 57.2	1.773	2.742	4.4	21.0
1 6	6 33.83	+12 14.5	1.766	2.733	4.7	21.0
1 16	6 24.70	+12 40.7	1.788	2.724	7.9	21.2
1 26	6 17.17	+13 13.5	1.836	2.715	11.4	21.4
2 5	6 11.97	+13 50.7	1.908	2.705	14.7	21.6

349726 2008 YH_{68} 12 30.7 18°.04 3°.0/31.7 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 27	7 2.77	+11 51.8	1.020	1.875	20.6	19.0
12 7	6 59.43	+13 0.3	0.972	1.886	15.6	18.8
12 17	6 52.65	+14 32.7	0.943	1.899	9.9	18.5
12 27	6 43.55	+16 23.5	0.936	1.915	4.3	18.2
1 6	6 33.87	+18 22.9	0.954	1.932	4.5	18.3
1 16	6 25.42	+20 20.4	0.997	1.951	9.9	18.7
1 26	6 19.78	+22 7.8	1.063	1.971	15.1	19.0
2 5	6 17.79	+23 40.7	1.148	1.993	19.3	19.4

165754 2001 QZ_{202} 12 30.7 141°.43 1°.6/31.2 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
11 27	7 3.32	+15 38.9	2.822	3.626	10.3	20.9
12 7	6 57.90	+15 57.1	2.745	3.634	7.7	20.7
12 17	6 50.94	+16 21.3	2.694	3.642	4.9	20.6
12 27	6 43.01	+16 50.3	2.673	3.650	2.1	20.4
1 6	6 34.80	+17 22.6	2.683	3.657	2.5	20.4
1 16	6 27.03	+17 56.6	2.724	3.664	5.3	20.6
1 26	6 20.40	+18 30.9	2.794	3.671	8.0	20.8
2 5	6 15.40	+19 4.5	2.890	3.677	10.5	21.0

494379 2016 UM_{39} 12 30.7 121°.19 3°.6/30.2 16

11 27	7 14.38	+30 58.7	1.722	2.544	15.0	21.8
12 7	7 7.06	+31 35.9	1.662	2.559	11.3	21.6
12 17	6 56.79	+32 8.2	1.625	2.574	7.2	21.4
12 27	6 44.65	+32 30.0	1.615	2.589	3.9	21.3
1 6	6 32.11	+32 37.6	1.635	2.603	4.8	21.4
1 16	6 20.73	+32 30.7	1.683	2.616	8.5	21.6
1 26	6 11.80	+32 12.2	1.757	2.629	12.2	21.9
2 5	6 6.05	+31 46.5	1.854	2.641	15.4	22.1

261206 2005 TB_{182} 12 30.7 349°.96 0°.4/30.8 17

11 27	7 4.20	+22 11.7	1.557	2.398	15.3	20.7
12 7	6 59.77	+22 8.8	1.481	2.392	11.4	20.4
12 17	6 52.58	+22 8.6	1.428	2.386	6.9	20.2
12 27	6 43.53	+22 9.6	1.400	2.382	2.0	19.9
1 6	6 33.91	+22 10.1	1.400	2.378	3.2	19.9
1 16	6 25.11	+22 9.4	1.426	2.375	8.1	20.2
1 26	6 18.42	+22 7.6	1.478	2.373	12.6	20.5
2 5	6 14.64	+22 5.4	1.551	2.371	16.4	20.7

298536 2003 WT_{115} 12 30.7 75°.13 8°.4/30.3 16

11 27	7 12.78	+ 6 23.6	1.713	2.500	16.5	20.0
12 7	7 5.25	+ 4 19.0	1.662	2.523	13.4	19.9
12 17	6 55.39	+ 2 27.5	1.635	2.547	10.4	19.8
12 27	6 44.21	+ 0 55.8	1.636	2.570	8.6	19.7
1 6	6 32.92	− 0 11.9	1.665	2.594	9.0	19.8
1 16	6 22.71	− 0 53.8	1.722	2.617	11.1	20.0
1 26	6 14.59	− 1 12.0	1.804	2.639	13.7	20.2
2 5	6 9.13	− 1 10.8	1.907	2.662	16.2	20.4

278916 2008 TU_{157} 12 30.7 127°.70 4°.0/29.7 18

11 27	7 14.61	+31 35.4	2.073	2.883	13.2	21.7
12 7	7 6.97	+32 48.6	2.012	2.903	10.0	21.5
12 17	6 56.67	+33 58.0	1.977	2.921	6.6	21.3
12 27	6 44.63	+34 57.1	1.971	2.938	4.2	21.2
1 6	6 32.10	+35 41.0	1.995	2.955	5.0	21.3
1 16	6 20.45	+36 7.8	2.050	2.971	8.0	21.5
1 26	6 10.88	+36 19.1	2.132	2.986	11.1	21.7
2 5	6 4.14	+36 18.6	2.237	3.000	13.8	21.9

6875 Golgi 12 30.7 70°.78 0°.1/30.7 18

11 27	7 13.25	+21 20.3	1.186	2.029	19.0	16.8
12 7	7 6.78	+21 53.5	1.141	2.052	14.1	16.5
12 17	6 56.80	+22 32.8	1.116	2.075	8.4	16.3
12 27	6 44.65	+23 13.0	1.116	2.098	2.3	16.0
1 6	6 32.18	+23 48.9	1.143	2.121	3.8	16.2
1 16	6 21.25	+24 17.8	1.196	2.143	9.4	16.6
1 26	6 13.33	+24 39.6	1.273	2.166	14.3	16.9
2 5	6 9.14	+24 55.5	1.370	2.188	18.3	17.2

142681 2002 TM_{228} 12 30.7 57°.25 1°.0/30.6 18

11 27	7 7.84	+24 28.5	1.683	2.516	14.8	20.2
12 7	7 2.20	+24 52.0	1.619	2.526	10.9	19.9
12 17	6 53.89	+25 17.1	1.578	2.535	6.6	19.7
12 27	6 43.87	+25 40.0	1.564	2.545	2.0	19.4
1 6	6 33.43	+25 57.7	1.579	2.555	3.3	19.6
1 16	6 23.91	+26 9.0	1.621	2.565	7.8	19.8
1 26	6 16.53	+26 14.1	1.690	2.576	11.8	20.1
2 5	6 11.99	+26 14.7	1.780	2.586	15.2	20.4

363579 2004 BF_{94} 12 30.7 324°.50 15°.5/ 4.5 18

11 27	7 4.43	− 7 46.0	1.065	1.850	24.6	20.2
12 7	7 0.88	− 8 24.5	0.994	1.837	21.8	20.0
12 17	6 53.77	− 8 21.4	0.937	1.824	18.8	19.7
12 27	6 43.98	− 7 26.0	0.898	1.812	16.3	19.5
1 6	6 33.07	− 5 35.0	0.879	1.801	15.5	19.4
1 16	6 22.91	− 2 54.1	0.881	1.791	17.0	19.5
1 26	6 15.37	+ 0 21.8	0.903	1.782	20.1	19.6
2 5	6 11.62	+ 3 53.4	0.945	1.774	23.8	19.8

139746 2001 QK_{273} 12 30.7 180°.13 4°.4/ 1.0 18

11 27	7 5.53	+ 8 27.6	2.066	2.862	13.8	19.7
12 7	7 0.04	+ 8 39.7	1.986	2.862	10.8	19.6
12 17	6 52.46	+ 9 5.7	1.929	2.863	7.6	19.4
12 27	6 43.48	+ 9 45.7	1.900	2.863	4.9	19.2
1 6	6 34.04	+10 37.8	1.900	2.863	4.9	19.2
1 16	6 25.15	+11 38.9	1.929	2.862	7.6	19.4
1 26	6 17.78	+12 45.4	1.986	2.862	10.8	19.6
2 5	6 12.60	+13 53.8	2.067	2.861	13.8	19.8

501563 2014 NA_{19} 12 30.7 359°.28 17°.4/ 6.9 17

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
11 27	7 7.61	−13 19.3	1.052	1.807	26.6	20.7
12 7	7 3.13	−13 46.4	0.992	1.806	23.9	20.5
12 17	6 55.01	−13 24.2	0.944	1.805	21.0	20.3
12 27	6 44.28	−12 2.0	0.912	1.804	18.6	20.1
1 6	6 32.66	− 9 37.8	0.900	1.805	17.4	20.1
1 16	6 22.06	− 6 20.4	0.909	1.805	18.2	20.1
1 26	6 14.27	− 2 28.2	0.940	1.807	20.6	20.3
2 5	6 10.34	+ 1 36.4	0.990	1.808	23.7	20.5

10373 MacRobert 12 30.7 141°.91 3°.2/31.2 18 R

11 27	7 11.03	+15 10.2	1.544	2.365	16.5	18.8
12 7	7 4.62	+15 2.0	1.477	2.373	12.5	18.6
12 17	6 55.38	+15 3.6	1.432	2.381	8.0	18.3
12 27	6 44.30	+15 14.4	1.413	2.389	3.9	18.1
1 6	6 32.73	+15 32.8	1.423	2.396	4.4	18.2
1 16	6 22.12	+15 56.9	1.460	2.402	8.7	18.4
1 26	6 13.77	+16 24.8	1.523	2.408	13.0	18.7
2 5	6 8.43	+16 54.6	1.608	2.413	16.6	18.9

230417 2002 NV_{37} 12 30.7 162°.34 0°.2/30.7 18

11 27	7 5.81	+24 15.5	2.756	3.568	10.3	21.1
12 7	6 59.78	+24 8.9	2.676	3.572	7.6	20.9
12 17	6 52.07	+24 1.9	2.623	3.577	4.5	20.8
12 27	6 43.33	+23 53.2	2.599	3.581	1.3	20.5
1 6	6 34.34	+23 42.2	2.607	3.584	2.1	20.6
1 16	6 25.91	+23 29.0	2.646	3.587	5.3	20.8
1 26	6 18.77	+23 14.2	2.714	3.590	8.3	21.0
2 5	6 13.46	+22 58.8	2.808	3.592	10.8	21.2

444864 2007 VL_{255} 12 30.7 51°.24 1°.2/30.6 17

11 27	7 9.63	+26 8.0	1.497	2.335	16.0	21.4
12 7	7 3.62	+26 11.6	1.444	2.352	11.9	21.2
12 17	6 54.73	+26 13.8	1.412	2.370	7.1	20.9
12 27	6 44.09	+26 11.7	1.407	2.388	2.3	20.7
1 6	6 33.18	+26 3.3	1.430	2.407	3.5	20.8
1 16	6 23.51	+25 48.8	1.480	2.425	8.2	21.1
1 26	6 16.28	+25 30.3	1.555	2.445	12.4	21.4
2 5	6 12.17	+25 10.2	1.652	2.464	16.0	21.7

263696 2008 HJ_{8} 12 30.7 250°.11 0°.6/30.9 18

11 27	7 5.82	+19 28.2	2.123	2.942	12.6	20.8
12 7	7 0.39	+19 57.4	2.035	2.934	9.4	20.6
12 17	6 52.76	+20 32.6	1.972	2.926	5.7	20.4
12 27	6 43.60	+21 11.4	1.937	2.917	1.7	20.1
1 6	6 33.87	+21 51.0	1.932	2.909	2.6	20.1
1 16	6 24.65	+22 29.1	1.957	2.900	6.7	20.4
1 26	6 16.96	+23 3.9	2.009	2.891	10.4	20.6
2 5	6 11.55	+23 35.1	2.086	2.882	13.6	20.8

113407 2002 SZ_{24} 12 30.7 190°.01 0°.5/30.7 18

11 27	7 8.45	+24 20.0	2.043	2.865	13.0	20.3
12 7	7 2.33	+24 27.0	1.963	2.864	9.6	20.1
12 17	6 53.88	+24 34.4	1.908	2.863	5.8	19.8
12 27	6 43.89	+24 40.0	1.881	2.862	1.7	19.6
1 6	6 33.45	+24 41.8	1.883	2.860	2.8	19.6
1 16	6 23.71	+24 39.4	1.916	2.858	6.9	19.9
1 26	6 15.75	+24 33.3	1.976	2.856	10.6	20.1
2 5	6 10.27	+24 25.0	2.059	2.853	13.8	20.3

139730 2001 QY_{251} 12 30.7 24°.02 3°.5/30.9 18

11 27	7 5.98	+17 1.2	1.460	2.297	16.4	18.9
12 7	7 0.92	+16 13.9	1.399	2.304	12.5	18.7
12 17	6 53.15	+15 32.8	1.360	2.313	8.0	18.5
12 27	6 43.68	+14 59.6	1.347	2.322	4.0	18.2
1 6	6 33.86	+14 35.2	1.360	2.332	4.7	18.3
1 16	6 25.08	+14 20.1	1.400	2.343	8.9	18.6
1 26	6 18.51	+14 14.0	1.464	2.354	13.0	18.8
2 5	6 14.84	+14 15.4	1.550	2.366	16.6	19.1

325375 2008 RR_{125} 12 30.7 177°.17 2°.5/30.3 18

11 27	7 7.56	+31 37.5	2.800	3.608	10.2	21.9
12 7	7 1.18	+31 53.8	2.719	3.610	7.7	21.7
12 17	6 52.98	+32 5.8	2.664	3.611	5.0	21.5
12 27	6 43.62	+32 10.9	2.639	3.612	2.7	21.4
1 6	6 33.94	+32 7.5	2.645	3.612	3.3	21.4
1 16	6 24.85	+31 55.4	2.682	3.612	5.9	21.6
1 26	6 17.15	+31 35.9	2.748	3.612	8.6	21.8
2 5	6 11.43	+31 11.2	2.838	3.611	11.0	21.9

154254 2002 LD_{40} 12 30.7 127°.76 4°.6/31.6 18

11 27	7 3.61	+ 8 1.9	2.547	3.334	11.7	20.0
12 7	6 58.17	+ 7 35.0	2.476	3.344	9.3	19.8
12 17	6 51.13	+ 7 18.0	2.429	3.354	6.7	19.7
12 27	6 43.10	+ 7 12.1	2.410	3.364	4.8	19.6
1 6	6 34.83	+ 7 17.3	2.421	3.373	4.9	19.6
1 16	6 27.08	+ 7 32.9	2.462	3.382	6.9	19.7
1 26	6 20.57	+ 7 57.1	2.530	3.391	9.3	19.9
2 5	6 15.81	+ 8 27.7	2.622	3.400	11.7	20.1

357469 2004 FS_{41} 12 30.7 229°.22 10°.6/ 1.4 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
11 27	7 4.31	−11 24.9	2.563	3.249	14.1	21.4
12 7	6 58.87	−12 29.1	2.478	3.237	12.7	21.3
12 17	6 51.67	−13 13.8	2.413	3.224	11.5	21.2
12 27	6 43.28	−13 34.3	2.372	3.211	10.7	21.1
1 6	6 34.45	−13 28.4	2.356	3.197	10.6	21.1
1 16	6 26.00	−12 56.1	2.364	3.182	11.4	21.1
1 26	6 18.72	−12 0.3	2.396	3.167	12.8	21.2
2 5	6 13.23	−10 46.1	2.449	3.152	14.3	21.2

158352 2001 XR_{107} 12 30.7 51°.69 1°.8/30.9 18

11 27	7 8.76	+18 51.9	1.337	2.177	17.5	19.7
12 7	7 3.16	+18 46.0	1.284	2.193	13.0	19.5
12 17	6 54.56	+18 47.1	1.252	2.209	8.0	19.3
12 27	6 44.08	+18 53.8	1.246	2.226	2.9	19.0
1 6	6 33.26	+19 4.0	1.266	2.242	3.8	19.1
1 16	6 23.67	+19 16.3	1.312	2.260	8.8	19.5
1 26	6 16.59	+19 29.9	1.383	2.277	13.3	19.8
2 5	6 12.73	+19 44.0	1.475	2.295	17.1	20.1

169837 2002 QA_{107} 12 30.7 5°.62 2°.6/31.1 18

11 27	7 5.20	+16 40.9	1.504	2.339	16.1	19.9
12 7	7 0.47	+16 34.5	1.434	2.339	12.2	19.7
12 17	6 52.99	+16 36.8	1.385	2.339	7.7	19.4
12 27	6 43.68	+16 47.2	1.363	2.340	3.4	19.1
1 6	6 33.83	+17 4.2	1.367	2.342	4.0	19.2
1 16	6 24.84	+17 26.1	1.398	2.344	8.5	19.5
1 26	6 17.97	+17 50.9	1.454	2.347	12.9	19.7
2 5	6 14.01	+18 17.1	1.531	2.350	16.6	20.0

261749 2006 BA_{11} 12 30.7 50°.77 3°.4/31.6 17

11 27	7 4.04	+11 52.1	2.028	2.838	13.5	20.2
12 7	6 58.95	+12 3.3	1.955	2.843	10.4	20.0
12 17	6 51.81	+12 25.9	1.906	2.849	6.9	19.8
12 27	6 43.32	+12 59.0	1.884	2.854	3.9	19.6
1 6	6 34.45	+13 41.0	1.891	2.860	4.0	19.6
1 16	6 26.18	+14 29.0	1.927	2.866	7.1	19.8
1 26	6 19.46	+15 20.4	1.990	2.872	10.5	20.1
2 5	6 14.93	+16 12.3	2.077	2.878	13.5	20.3

250676 2005 PU_{3} 12 30.7 128°.35 0°.6/30.5 18

11 27	7 8.32	+22 56.3	2.395	3.208	11.6	21.1
12 7	7 1.87	+23 36.9	2.327	3.224	8.6	21.0
12 17	6 53.44	+24 19.8	2.285	3.239	5.1	20.8
12 27	6 43.76	+25 1.7	2.272	3.253	1.5	20.5
1 6	6 33.74	+25 39.9	2.291	3.267	2.5	20.6
1 16	6 24.35	+26 12.3	2.341	3.281	6.0	20.9
1 26	6 16.47	+26 38.6	2.420	3.294	9.2	21.1
2 5	6 10.72	+26 59.2	2.523	3.306	11.9	21.3

311700 2006 SY_{148} 12 30.7 328°.34 5°.7/29.9 18

11 27	7 6.79	+34 17.5	1.433	2.275	16.4	20.0
12 7	7 2.55	+35 1.5	1.347	2.253	12.8	19.8
12 17	6 54.74	+35 39.4	1.283	2.231	8.9	19.5
12 27	6 44.27	+36 3.5	1.243	2.211	6.0	19.3
1 6	6 32.76	+36 7.9	1.228	2.191	6.9	19.3
1 16	6 22.10	+35 50.8	1.239	2.173	10.8	19.4
1 26	6 14.10	+35 15.4	1.273	2.155	15.1	19.6
2 5	6 9.87	+34 28.0	1.326	2.139	19.1	19.8

149591 2004 CL_{51} 12 30.7 327°.46 4°.6/31.5 18

11 27	7 6.86	+12 22.5	1.385	2.214	17.6	19.6
12 7	7 1.94	+12 11.3	1.312	2.211	13.6	19.3
12 17	6 54.02	+12 14.2	1.260	2.207	9.2	19.0
12 27	6 44.01	+12 32.0	1.232	2.204	5.3	18.8
1 6	6 33.31	+13 3.2	1.230	2.201	5.6	18.8
1 16	6 23.46	+13 45.1	1.255	2.198	9.7	19.0
1 26	6 15.87	+14 34.0	1.304	2.195	14.2	19.3
2 5	6 11.44	+15 25.9	1.374	2.193	18.2	19.5

449813 2014 OW_{348} 12 30.7 113°.42 2°.3/31.0 18

11 27	7 6.29	+16 54.7	2.000	2.817	13.4	20.9
12 7	7 0.61	+16 38.3	1.927	2.823	10.1	20.7
12 17	6 52.79	+16 27.6	1.878	2.828	6.4	20.5
12 27	6 43.61	+16 22.4	1.857	2.834	2.9	20.3
1 6	6 34.07	+16 22.1	1.866	2.839	3.5	20.4
1 16	6 25.24	+16 26.2	1.903	2.844	7.1	20.6
1 26	6 18.08	+16 34.0	1.968	2.849	10.6	20.8
2 5	6 13.24	+16 44.7	2.056	2.854	13.7	21.0

154771 2004 PH_{25} 12 30.7 176°.75 0°.0/30.5 18

11 27	7 10.32	+22 38.3	1.977	2.795	13.5	21.3
12 7	7 3.75	+22 45.5	1.899	2.798	10.0	21.1
12 17	6 54.76	+22 54.6	1.845	2.800	6.0	20.8
12 27	6 44.17	+23 3.2	1.819	2.801	1.7	20.5
1 6	6 33.12	+23 9.5	1.824	2.801	2.8	20.6
1 16	6 22.82	+23 12.6	1.858	2.801	7.1	20.9
1 26	6 14.37	+23 12.9	1.920	2.800	10.9	21.1
2 5	6 8.50	+23 11.4	2.006	2.799	14.2	21.4

152734 1998 WR_{11} 12 30.7 59°.11 2°.5/31.1 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
11 27	7 9.83	+17 16.9	1.305	2.142	18.0	19.9
12 7	7 3.93	+17 10.0	1.256	2.162	13.5	19.6
12 17	6 55.00	+17 12.2	1.228	2.183	8.4	19.4
12 27	6 44.22	+17 22.0	1.225	2.204	3.4	19.2
1 6	6 33.16	+17 37.5	1.249	2.225	4.2	19.3
1 16	6 23.40	+17 56.6	1.300	2.246	9.0	19.6
1 26	6 16.22	+18 17.9	1.374	2.268	13.5	19.9
2 5	6 12.30	+18 40.0	1.470	2.289	17.2	20.2

125736 2001 XJ_{115} 12 30.7 100°.19 2°.4/30.4 18

11 27	7 13.39	+28 15.2	1.769	2.591	14.7	19.5
12 7	7 6.11	+28 44.5	1.714	2.614	10.9	19.3
12 17	6 56.13	+29 11.0	1.684	2.637	6.7	19.1
12 27	6 44.52	+29 30.2	1.681	2.659	2.9	18.9
1 6	6 32.65	+29 39.1	1.708	2.680	3.9	19.1
1 16	6 21.91	+29 37.4	1.764	2.701	7.8	19.3
1 26	6 13.48	+29 27.1	1.846	2.722	11.5	19.6
2 5	6 8.01	+29 11.3	1.951	2.742	14.6	19.9

161421 2003 WC_{6} 12 30.7 43°.72 0°.0/30.5 18

11 27	7 8.87	+22 47.3	1.351	2.194	17.1	19.4
12 7	7 3.21	+22 49.9	1.304	2.215	12.6	19.2
12 17	6 54.56	+22 55.1	1.278	2.237	7.5	18.9
12 27	6 44.11	+23 0.3	1.278	2.259	2.1	18.6
1 6	6 33.43	+23 3.3	1.304	2.282	3.4	18.8
1 16	6 24.07	+23 3.5	1.357	2.306	8.5	19.2
1 26	6 17.27	+23 1.4	1.435	2.330	12.9	19.5
2 5	6 13.68	+22 58.3	1.534	2.354	16.6	19.8

281802 2009 WO_{43} 12 30.7 350°.81 0°.7/30.8 18

11 27	7 5.34	+20 41.5	1.198	2.052	18.2	20.0
12 7	7 1.34	+20 52.6	1.129	2.046	13.6	19.7
12 17	6 53.90	+21 11.0	1.081	2.041	8.3	19.4
12 27	6 44.04	+21 33.8	1.056	2.037	2.4	19.0
1 6	6 33.40	+21 57.5	1.056	2.034	3.8	19.1
1 16	6 23.77	+22 19.6	1.081	2.032	9.7	19.4
1 26	6 16.80	+22 38.9	1.129	2.031	14.9	19.7
2 5	6 13.46	+22 55.3	1.196	2.031	19.3	20.0

147292 2003 AY_{39} 12 30.7 18°.22 1°.9/30.8 18

11 27	7 6.67	+20 17.1	1.579	2.414	15.5	19.6
12 7	7 1.39	+19 41.4	1.511	2.418	11.6	19.3
12 17	6 53.45	+19 8.5	1.466	2.422	7.1	19.1
12 27	6 43.84	+18 38.6	1.447	2.427	2.7	18.8
1 6	6 33.83	+18 12.1	1.456	2.432	3.6	18.9
1 16	6 24.78	+17 49.8	1.493	2.438	8.1	19.2
1 26	6 17.87	+17 32.5	1.554	2.445	12.4	19.4
2 5	6 13.78	+17 20.3	1.638	2.452	16.0	19.7

168418 1998 QC_{50} 12 30.7 55°.07 8°.2/30.6 18

11 27	7 18.78	+42 8.9	1.482	2.294	17.5	19.1
12 7	7 10.75	+42 59.1	1.448	2.326	13.9	18.9
12 17	6 59.07	+43 31.5	1.435	2.359	10.5	18.8
12 27	6 45.32	+43 37.9	1.447	2.392	8.4	18.8
1 6	6 31.58	+43 15.3	1.485	2.425	8.8	18.9
1 16	6 19.80	+42 27.3	1.549	2.458	11.1	19.1
1 26	6 11.37	+41 21.5	1.637	2.490	14.0	19.3
2 5	6 6.86	+40 6.7	1.746	2.523	16.6	19.6

26744 2001 HF_{43} 12 30.7 83°.75 3°.2/30.3 18

11 27	7 13.53	+28 47.8	1.436	2.270	16.8	18.9
12 7	7 6.83	+29 30.5	1.383	2.288	12.5	18.6
12 17	6 56.85	+30 10.5	1.352	2.306	7.8	18.4
12 27	6 44.78	+30 41.3	1.347	2.324	3.7	18.2
1 6	6 32.31	+30 58.5	1.370	2.342	4.8	18.3
1 16	6 21.18	+31 1.2	1.420	2.359	9.2	18.6
1 26	6 12.81	+30 52.1	1.495	2.376	13.4	18.9
2 5	6 7.95	+30 35.4	1.591	2.393	16.9	19.2

288341 2004 BX_{99} 12 30.7 222°.71 7°.7/29.6 17

11 27	7 14.27	+43 28.6	2.003	2.800	14.1	20.9
12 7	7 7.36	+44 26.0	1.931	2.797	11.6	20.8
12 17	6 57.23	+45 10.4	1.882	2.794	9.2	20.6
12 27	6 44.93	+45 34.2	1.858	2.791	7.8	20.5
1 6	6 31.98	+45 32.9	1.862	2.788	8.3	20.6
1 16	6 20.08	+45 6.2	1.893	2.785	10.3	20.7
1 26	6 10.69	+44 18.6	1.948	2.782	12.9	20.8
2 5	6 4.67	+43 17.1	2.025	2.778	15.4	21.0

191451 2003 SD_{212} 12 30.7 24°.43 0°.0/30.6 17

11 27	7 4.91	+20 14.8	1.953	2.779	13.3	19.4
12 7	6 59.83	+20 57.1	1.880	2.783	9.9	19.2
12 17	6 52.47	+21 45.5	1.831	2.787	5.9	19.0
12 27	6 43.59	+22 36.8	1.810	2.791	1.6	18.7
1 6	6 34.22	+23 27.2	1.819	2.796	2.7	18.8
1 16	6 25.48	+24 13.8	1.856	2.801	6.9	19.1
1 26	6 18.44	+24 54.8	1.921	2.806	10.7	19.3
2 5	6 13.80	+25 29.9	2.009	2.812	13.8	19.6

491548 2012 LM_{23} 12 30.7 214°.19 3°.4/31.1 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
11 27	7 4.27	+13 29.6	2.429	3.232	11.7	21.1
12 7	6 58.84	+12 54.1	2.345	3.230	9.0	20.9
12 17	6 51.65	+12 24.6	2.287	3.227	6.1	20.7
12 27	6 43.33	+12 2.1	2.257	3.225	3.7	20.6
1 6	6 34.68	+11 47.2	2.257	3.222	4.0	20.6
1 16	6 26.54	+11 39.9	2.287	3.219	6.7	20.7
1 26	6 19.72	+11 39.9	2.344	3.216	9.6	20.9
2 5	6 14.77	+11 45.9	2.426	3.212	12.2	21.1

139956 2001 RD_{152} 12 30.7 61°.24 7°.1/29.2 18

11 27	7 12.04	+39 6.2	1.807	2.622	14.7	19.7
12 7	7 5.78	+40 27.4	1.747	2.630	11.7	19.5
12 17	6 56.32	+41 38.9	1.711	2.639	8.9	19.4
12 27	6 44.69	+42 32.2	1.701	2.647	7.2	19.3
1 6	6 32.41	+43 1.8	1.718	2.656	7.9	19.4
1 16	6 21.16	+43 6.5	1.761	2.665	10.3	19.5
1 26	6 12.41	+42 49.8	1.830	2.674	13.2	19.7
2 5	6 7.03	+42 18.0	1.919	2.683	15.8	19.9

371838 2007 VW_{324} 12 30.7 31°.94 0°.0/30.5 18

11 27	7 8.33	+21 8.5	1.034	1.893	20.0	20.4
12 7	7 3.75	+21 38.6	0.983	1.902	14.9	20.1
12 17	6 55.35	+22 16.9	0.951	1.913	8.9	19.8
12 27	6 44.43	+22 58.3	0.942	1.924	2.5	19.5
1 6	6 32.91	+23 37.1	0.958	1.936	4.1	19.6
1 16	6 22.84	+24 9.7	0.997	1.949	10.2	20.0
1 26	6 15.90	+24 35.2	1.059	1.963	15.6	20.3
2 5	6 12.94	+24 54.2	1.140	1.977	20.0	20.7

196611 2003 QA_{85} 12 30.7 165°.78 4°.4/31.7 17

11 27	7 3.55	+ 8 7.0	2.604	3.390	11.5	21.3
12 7	6 58.17	+ 7 46.7	2.525	3.394	9.1	21.2
12 17	6 51.20	+ 7 36.2	2.471	3.397	6.6	21.0
12 27	6 43.20	+ 7 36.5	2.445	3.400	4.7	20.9
1 6	6 34.91	+ 7 47.6	2.449	3.402	4.8	20.9
1 16	6 27.09	+ 8 8.4	2.482	3.404	6.7	21.0
1 26	6 20.46	+ 8 37.4	2.543	3.406	9.2	21.2
2 5	6 15.54	+ 9 12.1	2.629	3.408	11.6	21.4

102227 1999 TB_{14} 12 30.7 47°.71 5°.9/31.8 18

11 27	7 6.44	+ 9 31.7	1.431	2.252	17.6	19.5
12 7	7 1.20	+ 9 2.3	1.379	2.269	13.7	19.3
12 17	6 53.31	+ 8 48.8	1.348	2.287	9.7	19.1
12 27	6 43.80	+ 8 52.8	1.342	2.305	6.4	18.9
1 6	6 33.99	+ 9 13.6	1.362	2.324	6.5	19.0
1 16	6 25.23	+ 9 48.4	1.408	2.343	9.6	19.2
1 26	6 18.67	+10 33.4	1.479	2.363	13.3	19.5
2 5	6 14.95	+11 24.0	1.570	2.383	16.6	19.8

117746 2005 GS_{37} 12 30.7 191°.75 2°.0/30.5 18

11 27	7 13.41	+28 0.7	1.738	2.561	14.8	20.2
12 7	7 6.49	+28 13.5	1.660	2.560	11.1	19.9
12 17	6 56.61	+28 23.6	1.605	2.558	6.9	19.7
12 27	6 44.76	+28 27.0	1.577	2.556	2.7	19.4
1 6	6 32.32	+28 20.9	1.579	2.553	3.8	19.5
1 16	6 20.82	+28 5.1	1.610	2.550	8.2	19.7
1 26	6 11.61	+27 41.9	1.667	2.546	12.4	20.0
2 5	6 5.50	+27 14.9	1.746	2.541	15.9	20.2

418819 2008 VQ_{61} 12 30.7 182°.72 2°.7/29.9 18

11 27	7 6.32	+30 30.7	2.688	3.501	10.5	21.3
12 7	7 0.46	+31 13.9	2.608	3.501	7.9	21.2
12 17	6 52.69	+31 54.7	2.554	3.501	5.1	21.0
12 27	6 43.64	+32 29.7	2.529	3.501	2.8	20.8
1 6	6 34.16	+32 56.0	2.535	3.501	3.6	20.9
1 16	6 25.19	+33 12.4	2.571	3.500	6.2	21.1
1 26	6 17.58	+33 19.2	2.636	3.499	9.0	21.2
2 5	6 11.98	+33 18.3	2.725	3.497	11.4	21.4

89061 2001 TU_{134} 12 30.7 287°.37 0°.6/30.7 18

11 27	7 8.12	+25 31.5	1.873	2.701	13.7	19.4
12 7	7 2.40	+25 19.8	1.785	2.689	10.3	19.2
12 17	6 54.11	+25 6.3	1.721	2.677	6.2	18.9
12 27	6 44.07	+24 49.3	1.684	2.665	1.8	18.6
1 6	6 33.47	+24 27.7	1.676	2.653	3.0	18.6
1 16	6 23.59	+24 1.9	1.697	2.641	7.5	18.9
1 26	6 15.62	+23 33.7	1.744	2.629	11.6	19.1
2 5	6 10.34	+23 5.5	1.815	2.617	15.1	19.3

455187 2000 GX_{59} 12 30.7 238°.41 4°.2/29.6 18

11 27	7 7.82	+36 22.9	2.788	3.591	10.4	21.5
12 7	7 1.71	+37 7.9	2.697	3.578	8.1	21.3
12 17	6 53.52	+37 47.4	2.632	3.566	5.8	21.1
12 27	6 43.90	+38 17.2	2.596	3.553	4.3	21.0
1 6	6 33.75	+38 34.2	2.590	3.540	4.8	21.0
1 16	6 24.07	+38 37.3	2.614	3.526	6.9	21.1
1 26	6 15.82	+38 27.7	2.666	3.513	9.4	21.3
2 5	6 9.70	+38 8.2	2.741	3.498	11.7	21.4

407270 2010 CK_{147} 12 30.7 354°.11 6°.6/29.2 16

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
11 27	7 5.01	+35 54.4	1.584	2.421	15.3	20.0
12 7	7 0.91	+37 11.8	1.514	2.414	12.0	19.7
12 17	6 53.60	+38 23.0	1.466	2.408	8.8	19.5
12 27	6 44.00	+39 19.8	1.444	2.403	6.7	19.4
1 6	6 33.58	+39 55.6	1.448	2.399	7.6	19.4
1 16	6 24.05	+40 8.1	1.477	2.397	10.6	19.6
1 26	6 16.96	+39 59.5	1.529	2.396	14.0	19.8
2 5	6 13.26	+39 35.0	1.602	2.396	17.2	20.0

330833 2009 FG_{67} 12 30.7 349°.84 8°.6/28.7 18

11 27	7 12.33	+41 1.9	1.659	2.475	15.7	20.3
12 7	7 6.53	+42 34.2	1.592	2.473	12.8	20.1
12 17	6 57.07	+43 55.7	1.548	2.471	10.1	20.0
12 27	6 44.98	+44 56.4	1.530	2.469	8.6	19.9
1 6	6 31.96	+45 29.0	1.537	2.468	9.4	19.9
1 16	6 19.97	+45 31.7	1.570	2.467	11.8	20.1
1 26	6 10.79	+45 8.8	1.626	2.466	14.7	20.2
2 5	6 5.44	+44 27.6	1.702	2.466	17.5	20.4

234580 2001 XF_{225} 12 30.7 54°.55 0°.9/30.7 18

11 27	7 10.82	+24 33.6	1.323	2.165	17.5	20.6
12 7	7 4.81	+24 44.9	1.273	2.184	12.9	20.4
12 17	6 55.61	+24 57.1	1.245	2.204	7.7	20.1
12 27	6 44.46	+25 6.5	1.243	2.224	2.3	19.9
1 6	6 33.02	+25 10.3	1.267	2.244	3.6	20.0
1 16	6 22.97	+25 8.0	1.318	2.265	8.8	20.4
1 26	6 15.62	+25 1.1	1.393	2.286	13.4	20.7
2 5	6 11.69	+24 51.7	1.489	2.307	17.1	21.0

197044 2003 UZ_{137} 12 30.7 95°.43 3°.5/31.4 18

11 27	7 3.93	+12 8.0	2.330	3.133	12.2	20.0
12 7	6 58.59	+11 52.8	2.260	3.144	9.4	19.9
12 17	6 51.50	+11 46.0	2.215	3.155	6.3	19.7
12 27	6 43.31	+11 47.9	2.198	3.166	3.8	19.6
1 6	6 34.85	+11 58.2	2.211	3.176	4.0	19.6
1 16	6 26.99	+12 15.6	2.253	3.187	6.6	19.8
1 26	6 20.49	+12 38.8	2.323	3.197	9.5	20.0
2 5	6 15.91	+13 5.9	2.417	3.208	12.1	20.2

280951 2006 BM_{156} 12 30.7 11°.62 4°.4/31.9 17

11 27	7 3.24	+ 9 33.1	1.939	2.746	14.1	20.5
12 7	6 58.50	+ 9 34.5	1.864	2.747	11.0	20.3
12 17	6 51.64	+ 9 49.2	1.812	2.749	7.7	20.1
12 27	6 43.39	+10 17.5	1.786	2.751	4.9	20.0
1 6	6 34.70	+10 58.0	1.789	2.753	5.0	20.0
1 16	6 26.62	+11 47.9	1.820	2.756	7.8	20.2
1 26	6 20.11	+12 44.1	1.877	2.759	11.1	20.4
2 5	6 15.83	+13 42.9	1.958	2.762	14.1	20.6

223843 2004 TA_{173} 12 30.7 112°.91 1°.1/30.9 18

11 27	7 6.66	+20 32.0	2.299	3.114	11.9	20.1
12 7	7 0.64	+20 12.5	2.228	3.124	8.9	19.9
12 17	6 52.72	+19 54.9	2.182	3.135	5.4	19.7
12 27	6 43.65	+19 38.9	2.165	3.145	1.9	19.5
1 6	6 34.33	+19 24.2	2.179	3.155	2.6	19.6
1 16	6 25.70	+19 10.8	2.223	3.165	6.1	19.8
1 26	6 18.60	+18 59.2	2.295	3.174	9.4	20.0
2 5	6 13.58	+18 49.7	2.391	3.183	12.2	20.2

95853 Jamescarpenter 12 30.8 180°.61 4°.1/31.4 18

11 27	7 7.73	+12 25.9	1.812	2.623	14.8	20.4
12 7	7 1.95	+12 7.6	1.735	2.624	11.5	20.2
12 17	6 53.77	+11 59.6	1.682	2.624	7.7	20.0
12 27	6 43.99	+12 2.5	1.655	2.624	4.6	19.8
1 6	6 33.73	+12 15.9	1.657	2.624	4.9	19.8
1 16	6 24.18	+12 38.3	1.687	2.623	8.2	20.0
1 26	6 16.43	+13 7.7	1.743	2.622	11.9	20.2
2 5	6 11.21	+13 41.6	1.823	2.621	15.2	20.4

203673 2002 JF_{146} 12 30.8 184°.91 2°.2/31.4 18

11 27	7 7.90	+14 4.8	1.995	2.803	13.7	20.6
12 7	7 2.00	+14 38.5	1.913	2.804	10.4	20.4
12 17	6 53.79	+15 23.2	1.856	2.803	6.7	20.2
12 27	6 44.01	+16 16.9	1.827	2.803	3.0	20.0
1 6	6 33.68	+17 16.4	1.827	2.802	3.3	20.0
1 16	6 23.91	+18 18.2	1.859	2.800	7.1	20.2
1 26	6 15.79	+19 19.1	1.918	2.799	10.9	20.4
2 5	6 10.05	+20 16.9	2.001	2.797	14.1	20.6

91255 1999 CJ_{79} 12 30.8 284°.07 1°.6/30.9 18

11 27	7 7.78	+19 4.9	1.582	2.413	15.6	19.6
12 7	7 2.58	+19 0.1	1.494	2.398	11.8	19.3
12 17	6 54.46	+19 1.2	1.428	2.383	7.4	19.0
12 27	6 44.25	+19 7.1	1.388	2.368	2.7	18.7
1 6	6 33.24	+19 16.2	1.375	2.352	3.6	18.7
1 16	6 22.89	+19 27.1	1.391	2.337	8.6	18.9
1 26	6 14.61	+19 39.2	1.431	2.321	13.2	19.2
2 5	6 9.36	+19 52.1	1.493	2.306	17.3	19.4

261526 2005 WP_{82} 12 30.8 140°.47 2°.2/31.1 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
11 27	7 5.81	+16 50.4	2.170	2.984	12.6	21.0
12 7	7 0.17	+16 33.6	2.094	2.988	9.5	20.8
12 17	6 52.53	+16 22.1	2.043	2.992	6.0	20.6
12 27	6 43.63	+16 15.7	2.020	2.996	2.8	20.4
1 6	6 34.39	+16 14.0	2.026	2.999	3.3	20.4
1 16	6 25.78	+16 16.4	2.062	3.003	6.7	20.7
1 26	6 18.70	+16 22.4	2.126	3.006	10.0	20.9
2 5	6 13.76	+16 31.3	2.214	3.009	13.0	21.1

196888 2003 SM_{320} 12 30.8 129°.53 3°.4/31.3 17

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 27	7 3.77	+12 58.4	2.241	3.049	12.4	20.4
12 7	6 58.63	+12 42.3	2.162	3.049	9.6	20.2
12 17	6 51.61	+12 34.3	2.107	3.050	6.4	20.0
12 27	6 43.38	+12 34.7	2.081	3.050	3.8	19.9
1 6	6 34.79	+12 43.3	2.083	3.051	4.0	19.9
1 16	6 26.74	+12 59.0	2.115	3.051	6.8	20.1
1 26	6 20.10	+13 20.4	2.174	3.051	10.0	20.3
2 5	6 15.45	+13 45.9	2.257	3.052	12.8	20.4

198971 2005 UU_{512} 12 30.8 187°.79 0°.5/30.7 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 27	7 5.34	+24 16.1	2.657	3.471	10.5	21.8
12 7	6 59.63	+24 28.7	2.573	3.471	7.8	21.6
12 17	6 52.15	+24 41.8	2.516	3.470	4.7	21.4
12 27	6 43.52	+24 53.6	2.488	3.468	1.4	21.2
1 6	6 34.55	+25 2.4	2.490	3.467	2.3	21.2
1 16	6 26.07	+25 7.6	2.524	3.465	5.6	21.5
1 26	6 18.89	+25 9.4	2.586	3.463	8.6	21.6
2 5	6 13.60	+25 8.3	2.674	3.460	11.2	21.8

18623 Pises 12 30.8 197°.11 0°.9/30.6 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 27	7 6.74	+24 40.2	2.093	2.916	12.6	18.8
12 7	7 1.11	+25 0.3	2.014	2.916	9.4	18.6
12 17	6 53.23	+25 21.3	1.960	2.915	5.7	18.3
12 27	6 43.85	+25 40.4	1.934	2.914	1.7	18.1
1 6	6 34.01	+25 55.4	1.937	2.914	2.8	18.2
1 16	6 24.82	+26 5.0	1.970	2.913	6.8	18.4
1 26	6 17.31	+26 9.4	2.031	2.912	10.4	18.6
2 5	6 12.18	+26 9.7	2.115	2.911	13.5	18.8

47940 2000 HE_{59} 12 30.8 353°.83 6°.2/31.2 18 R

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 27	7 3.33	+ 7 13.3	2.107	2.902	13.6	17.9
12 7	6 58.37	+ 6 12.8	2.030	2.900	10.9	17.7
12 17	6 51.48	+ 5 23.1	1.977	2.899	8.3	17.6
12 27	6 43.35	+ 4 47.3	1.951	2.898	6.4	17.5
1 6	6 34.86	+ 4 27.0	1.952	2.897	6.6	17.5
1 16	6 26.94	+ 4 22.5	1.981	2.896	8.7	17.6
1 26	6 20.47	+ 4 32.3	2.037	2.896	11.4	17.8
2 5	6 16.05	+ 4 53.7	2.114	2.896	14.0	17.9

334103 2001 QY_{216} 12 30.8 95°.70 1°.4/30.6 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 27	7 13.33	+25 46.4	1.648	2.474	15.4	21.3
12 7	7 6.19	+26 8.3	1.595	2.497	11.4	21.1
12 17	6 56.27	+26 29.5	1.564	2.520	6.8	20.9
12 27	6 44.66	+26 46.1	1.562	2.542	2.3	20.7
1 6	6 32.80	+26 55.2	1.588	2.564	3.5	20.8
1 16	6 22.11	+26 56.2	1.643	2.585	7.9	21.1
1 26	6 13.81	+26 50.8	1.724	2.605	11.9	21.4
2 5	6 8.55	+26 41.2	1.828	2.625	15.2	21.6

481789 2008 SQ_{304} 12 30.8 59°.23 0°.9/30.6 16

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 27	7 10.70	+23 48.9	1.396	2.235	16.9	21.3
12 7	7 4.61	+24 13.6	1.347	2.256	12.5	21.1
12 17	6 55.47	+24 40.4	1.320	2.278	7.4	20.8
12 27	6 44.46	+25 5.1	1.319	2.300	2.2	20.6
1 6	6 33.15	+25 24.2	1.345	2.322	3.5	20.7
1 16	6 23.14	+25 36.2	1.398	2.344	8.5	21.1
1 26	6 15.71	+25 41.9	1.476	2.367	12.9	21.4
2 5	6 11.55	+25 43.1	1.576	2.389	16.5	21.7

7690 Sackler 12 30.8 123°.94 0°.9/30.6 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 27	7 9.62	+24 31.7	2.156	2.973	12.6	18.5
12 7	7 3.02	+24 56.3	2.091	2.989	9.3	18.3
12 17	6 54.25	+25 21.4	2.050	3.004	5.6	18.1
12 27	6 44.11	+25 44.3	2.039	3.019	1.7	17.9
1 6	6 33.66	+26 2.3	2.057	3.033	2.7	18.0
1 16	6 23.97	+26 14.4	2.107	3.047	6.5	18.2
1 26	6 16.03	+26 21.0	2.184	3.060	9.9	18.5
2 5	6 10.46	+26 23.4	2.285	3.073	12.8	18.7

480223 2015 GC_{34} 12 30.8 229°.36 0°.2/30.8 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 27	7 10.46	+20 19.7	1.604	2.432	15.6	21.7
12 7	7 4.57	+20 51.6	1.521	2.425	11.7	21.4
12 17	6 55.67	+21 30.8	1.461	2.417	7.1	21.2
12 27	6 44.61	+22 13.8	1.428	2.409	2.0	20.8
1 6	6 32.73	+22 56.2	1.423	2.400	3.3	20.9
1 16	6 21.56	+23 34.8	1.446	2.391	8.4	21.2
1 26	6 12.55	+24 8.0	1.496	2.382	13.0	21.4
2 5	6 6.64	+24 35.9	1.567	2.372	17.0	21.7

154487 2003 EZ_{35} 12 30.8 178°.76 3°.5/31.4 18 R

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
11 27	7 8.13	+13 2.0	1.852	2.662	14.6	20.0
12 7	7 2.24	+13 0.2	1.774	2.663	11.2	19.8
12 17	6 53.96	+13 8.8	1.720	2.664	7.4	19.5
12 27	6 44.08	+13 27.8	1.693	2.664	4.0	19.3
1 6	6 33.69	+13 55.6	1.694	2.664	4.3	19.4
1 16	6 23.98	+14 30.2	1.725	2.664	7.8	19.6
1 26	6 16.05	+15 9.0	1.783	2.663	11.6	19.8
2 5	6 10.63	+15 50.0	1.863	2.662	14.9	20.0

381371 2008 EF_{146} 12 30.8 212°.13 3°.9/30.0 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 27	7 12.54	+29 48.2	1.592	2.422	15.6	21.3
12 7	7 6.32	+30 45.0	1.516	2.419	11.9	21.0
12 17	6 56.80	+31 40.4	1.464	2.415	7.7	20.8
12 27	6 44.93	+32 27.5	1.437	2.411	4.2	20.6
1 6	6 32.24	+33 0.2	1.439	2.407	5.3	20.6
1 16	6 20.43	+33 16.0	1.469	2.403	9.4	20.9
1 26	6 11.10	+33 16.6	1.523	2.398	13.6	21.1
2 5	6 5.21	+33 6.1	1.599	2.393	17.2	21.3

174094 2002 GU_{181} 12 30.8 13°.22 5°.7/30.2 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 27	7 10.94	+32 36.9	1.112	1.964	19.3	20.1
12 7	7 6.06	+33 26.4	1.054	1.966	14.8	19.8
12 17	6 56.98	+34 9.4	1.015	1.968	9.9	19.5
12 27	6 45.00	+34 36.7	0.999	1.971	6.1	19.3
1 6	6 32.24	+34 41.9	1.008	1.975	7.1	19.4
1 16	6 21.00	+34 24.5	1.040	1.980	11.6	19.7
1 26	6 13.19	+33 49.6	1.095	1.985	16.4	20.0
2 5	6 9.74	+33 4.6	1.167	1.991	20.4	20.2

345817 2007 HR_{19} 12 30.8 269°.00 0°.9/30.6 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 27	7 9.28	+23 56.0	1.634	2.466	15.2	21.3
12 7	7 3.73	+24 18.1	1.547	2.453	11.4	21.0
12 17	6 55.19	+24 43.0	1.483	2.440	6.9	20.7
12 27	6 44.50	+25 7.1	1.445	2.426	2.1	20.4
1 6	6 32.97	+25 26.8	1.436	2.413	3.4	20.4
1 16	6 22.15	+25 40.1	1.454	2.399	8.4	20.7
1 26	6 13.46	+25 47.1	1.498	2.385	13.0	20.9
2 5	6 7.87	+25 49.3	1.564	2.371	16.9	21.1

457455 2008 UK_{164} 12 30.8 263°.11 2°.7/31.1 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 27	7 3.92	+15 22.7	2.371	3.181	11.8	21.3
12 7	6 58.70	+14 58.2	2.285	3.175	9.0	21.1
12 17	6 51.66	+14 39.0	2.223	3.169	5.9	20.9
12 27	6 43.43	+14 25.6	2.191	3.164	3.1	20.7
1 6	6 34.82	+14 18.1	2.188	3.158	3.5	20.7
1 16	6 26.72	+14 16.2	2.215	3.152	6.5	20.9
1 26	6 19.95	+14 19.5	2.269	3.146	9.6	21.1
2 5	6 15.12	+14 27.1	2.348	3.140	12.4	21.3

290455 2005 TJ_{160} 12 30.8 65°.65 5°.2/30.1 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 27	7 10.93	+35 57.3	1.873	2.692	14.1	20.7
12 7	7 4.54	+36 40.4	1.815	2.706	10.9	20.5
12 17	6 55.38	+37 15.0	1.780	2.720	7.6	20.4
12 27	6 44.47	+37 35.3	1.773	2.735	5.3	20.3
1 6	6 33.19	+37 38.0	1.793	2.749	5.9	20.3
1 16	6 22.98	+37 23.2	1.841	2.764	8.7	20.5
1 26	6 15.06	+36 54.1	1.915	2.778	11.8	20.7
2 5	6 10.11	+36 15.8	2.011	2.793	14.6	21.0

3236 Strand 12 30.8 19°.28 1°.0/30.9 18 R

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 27	7 7.34	+21 0.4	1.030	1.890	19.9	15.9
12 7	7 3.05	+20 55.9	0.975	1.895	14.9	15.7
12 17	6 54.99	+20 57.6	0.940	1.901	9.1	15.4
12 27	6 44.43	+21 3.3	0.926	1.908	2.8	15.0
1 6	6 33.26	+21 10.4	0.937	1.916	4.1	15.1
1 16	6 23.49	+21 17.3	0.972	1.924	10.3	15.5
1 26	6 16.80	+21 23.8	1.028	1.934	15.7	15.9
2 5	6 14.03	+21 30.2	1.103	1.945	20.2	16.2

88811 2001 SN_{143} 12 30.8 148°.21 1°.6/31.0 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 27	7 10.64	+18 29.7	1.980	2.793	13.7	20.9
12 7	7 3.88	+18 26.0	1.909	2.803	10.2	20.7
12 17	6 54.83	+18 27.0	1.862	2.814	6.3	20.5
12 27	6 44.31	+18 31.7	1.844	2.823	2.4	20.2
1 6	6 33.44	+18 38.6	1.856	2.832	3.1	20.3
1 16	6 23.36	+18 47.0	1.898	2.839	7.0	20.6
1 26	6 15.10	+18 56.4	1.968	2.847	10.8	20.8
2 5	6 9.32	+19 6.6	2.061	2.853	13.9	21.0

482479 2012 RJ_{14} 12 30.8 83°.40 1°.6/30.9 16

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 27	7 11.77	+19 26.7	1.562	2.388	16.1	21.7
12 7	7 4.99	+19 13.0	1.510	2.412	12.0	21.5
12 17	6 55.53	+19 4.1	1.481	2.435	7.3	21.3
12 27	6 44.48	+18 59.0	1.479	2.458	2.6	21.1
1 6	6 33.24	+18 56.4	1.505	2.481	3.5	21.2
1 16	6 23.18	+18 55.9	1.559	2.503	8.0	21.5
1 26	6 15.44	+18 57.4	1.639	2.525	12.1	21.8
2 5	6 10.65	+19 0.9	1.742	2.547	15.5	22.1

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
396146 2013 DN_{10}			12 30.8	28°.38	4°.1/30.3	17
	h m	° ′			°	m
11 27	7 8.43	+29 58.8	1.154	2.009	18.6	20.1
12 7	7 3.62	+30 38.4	1.110	2.025	14.0	19.9
12 17	6 55.17	+31 13.3	1.086	2.043	8.8	19.6
12 27	6 44.44	+31 36.7	1.086	2.062	4.5	19.4
1 6	6 33.35	+31 44.3	1.110	2.082	5.6	19.6
1 16	6 23.81	+31 35.8	1.160	2.104	10.2	19.9
1 26	6 17.35	+31 14.9	1.232	2.126	14.6	20.2
2 5	6 14.66	+30 46.6	1.324	2.149	18.4	20.5
484468 2008 CH_{66}			12 30.8	354°.78	2°.2/30.5	17
11 27	7 5.93	+27 5.0	1.438	2.284	16.1	21.4
12 7	7 1.44	+27 27.2	1.367	2.280	12.1	21.1
12 17	6 53.85	+27 48.8	1.318	2.276	7.4	20.8
12 27	6 44.12	+28 5.5	1.294	2.274	2.9	20.5
1 6	6 33.74	+28 13.5	1.296	2.272	4.1	20.6
1 16	6 24.33	+28 11.9	1.325	2.271	8.9	20.9
1 26	6 17.33	+28 2.0	1.378	2.271	13.4	21.2
2 5	6 13.60	+27 46.5	1.452	2.272	17.3	21.4
56489 2000 GT_{131}			12 30.8	123°.23	2°.8/31.4	18
11 27	7 10.21	+14 5.0	2.024	2.828	13.8	19.7
12 7	7 3.41	+14 8.5	1.961	2.848	10.4	19.5
12 17	6 54.48	+14 20.6	1.923	2.868	6.7	19.3
12 27	6 44.22	+14 40.5	1.913	2.886	3.4	19.1
1 6	6 33.70	+15 6.3	1.933	2.904	3.7	19.2
1 16	6 23.97	+15 36.3	1.983	2.921	7.0	19.4
1 26	6 15.98	+16 8.6	2.061	2.938	10.5	19.7
2 5	6 10.35	+16 41.7	2.164	2.953	13.4	19.9
275025 2009 UY_{31}			12 30.8	100°.86	0°.5/30.7	17
11 27	7 6.03	+23 51.3	2.215	3.036	12.1	21.6
12 7	7 0.41	+24 4.7	2.142	3.043	9.0	21.4
12 17	6 52.74	+24 19.1	2.094	3.049	5.4	21.2
12 27	6 43.76	+24 32.3	2.074	3.055	1.5	20.9
1 6	6 34.42	+24 42.5	2.085	3.061	2.5	21.0
1 16	6 25.75	+24 48.9	2.125	3.068	6.3	21.3
1 26	6 18.65	+24 51.7	2.193	3.074	9.7	21.5
2 5	6 13.76	+24 51.6	2.284	3.080	12.6	21.7
445640 2011 UX			12 30.8	124°.80	0°.9/30.9	18
11 27	7 8.73	+20 57.9	1.904	2.726	13.8	21.6
12 7	7 2.59	+20 48.3	1.834	2.734	10.3	21.4
12 17	6 54.11	+20 41.4	1.787	2.741	6.2	21.1
12 27	6 44.15	+20 35.9	1.768	2.748	2.0	20.9
1 6	6 33.83	+20 31.0	1.778	2.755	2.9	20.9
1 16	6 24.32	+20 26.2	1.818	2.762	7.1	21.2
1 26	6 16.67	+20 21.9	1.885	2.768	10.9	21.5
2 5	6 11.55	+20 18.5	1.975	2.775	14.2	21.7
474244 2001 ST_{16}			12 30.8	50°.50	0°.2/30.8	18
11 27	7 10.76	+21 20.7	1.220	2.065	18.5	20.9
12 7	7 4.86	+21 38.8	1.178	2.090	13.6	20.6
12 17	6 55.71	+22 2.1	1.156	2.115	8.1	20.4
12 27	6 44.59	+22 26.8	1.159	2.141	2.3	20.1
1 6	6 33.24	+22 49.4	1.189	2.167	3.6	20.3
1 16	6 23.36	+23 7.7	1.244	2.193	9.0	20.7
1 26	6 16.30	+23 21.8	1.324	2.220	13.7	21.0
2 5	6 12.71	+23 32.4	1.424	2.247	17.5	21.3
215171 2000 FX_{23}			12 30.8	213°.82	1°.1/31.1	18
11 27	7 6.90	+17 59.6	2.351	3.161	11.9	21.2
12 7	7 1.05	+18 21.8	2.261	3.154	8.9	21.0
12 17	6 53.18	+18 50.0	2.195	3.147	5.5	20.7
12 27	6 43.92	+19 22.5	2.159	3.139	1.9	20.5
1 6	6 34.15	+19 57.0	2.154	3.130	2.6	20.5
1 16	6 24.84	+20 31.5	2.179	3.121	6.2	20.7
1 26	6 16.91	+21 4.7	2.233	3.111	9.7	20.9
2 5	6 11.05	+21 35.7	2.312	3.101	12.7	21.1
384638 2011 EU_{40}			12 30.8	246°.87	5°.9/ 1.6	18
11 27	7 9.35	+ 4 24.0	1.963	2.741	15.1	21.3
12 7	7 3.30	+ 4 39.5	1.861	2.722	12.2	21.1
12 17	6 54.77	+ 5 14.0	1.782	2.703	9.1	20.8
12 27	6 44.43	+ 6 8.9	1.730	2.682	6.5	20.6
1 6	6 33.27	+ 7 22.7	1.706	2.661	6.3	20.6
1 16	6 22.45	+ 8 51.3	1.713	2.640	8.9	20.7
1 26	6 13.17	+10 29.5	1.748	2.617	12.4	20.8
2 5	6 6.31	+12 11.4	1.807	2.594	15.8	21.0
112624 2002 PM_{73}			12 30.8	66°.60	8°.6/ 1.4	18
11 27	7 6.24	+ 2 0.2	1.698	2.482	16.8	20.2
12 7	7 0.73	+ 1 5.2	1.645	2.500	13.8	20.1
12 17	6 52.97	+ 0 29.7	1.612	2.518	10.9	19.9
12 27	6 43.84	+ 0 17.3	1.605	2.537	8.9	19.9
1 6	6 34.44	+ 0 28.6	1.623	2.555	8.8	19.9
1 16	6 25.90	+ 1 1.7	1.667	2.573	10.6	20.0
1 26	6 19.22	+ 1 52.2	1.736	2.591	13.2	20.2
2 5	6 15.00	+ 2 54.2	1.826	2.610	15.8	20.5

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
58477 1996 RB_{26}			12 30.8	169°.88	2°.9/31.2	18 R
	h m	° ′			°	m
11 27	7 11.04	+15 16.7	1.812	2.623	14.8	19.5
12 7	7 4.43	+15 5.6	1.737	2.628	11.3	19.3
12 17	6 55.31	+15 2.5	1.685	2.632	7.3	19.1
12 27	6 44.53	+15 6.9	1.660	2.635	3.6	18.8
1 6	6 33.28	+15 18.0	1.665	2.637	4.0	18.9
1 16	6 22.80	+15 34.4	1.699	2.639	7.9	19.1
1 26	6 14.25	+15 54.8	1.760	2.639	11.8	19.4
2 5	6 8.36	+16 17.9	1.844	2.639	15.2	19.6
458704 2011 HA_{76}			12 30.8	310°.05	7°.9/27.0	16
11 27	7 11.74	+39 18.3	2.015	2.823	13.6	21.0
12 7	7 6.08	+41 26.5	1.922	2.799	11.1	20.7
12 17	6 57.04	+43 31.8	1.855	2.774	8.9	20.6
12 27	6 45.21	+45 23.7	1.816	2.750	7.9	20.4
1 6	6 31.86	+46 52.7	1.805	2.726	8.9	20.5
1 16	6 18.69	+47 53.5	1.822	2.703	11.3	20.6
1 26	6 7.54	+48 26.3	1.863	2.679	14.2	20.7
2 5	5 59.76	+48 36.1	1.925	2.656	16.8	20.8
14038 1995 HR			12 30.8	187°.09	3°.9/31.6	18
11 27	7 2.80	+ 8 44.9	2.920	3.704	10.5	18.7
12 7	6 57.55	+ 8 23.7	2.835	3.703	8.2	18.6
12 17	6 50.87	+ 8 10.8	2.776	3.702	5.9	18.4
12 27	6 43.26	+ 8 7.1	2.745	3.701	4.2	18.3
1 6	6 35.37	+ 8 12.6	2.745	3.699	4.3	18.3
1 16	6 27.87	+ 8 26.7	2.775	3.697	6.1	18.4
1 26	6 21.41	+ 8 48.2	2.833	3.694	8.5	18.6
2 5	6 16.48	+ 9 15.2	2.916	3.691	10.7	18.7
288764 2004 RF_{92}			12 30.8	135°.09	2°.4/30.5	17
11 27	7 8.97	+30 26.3	2.411	3.224	11.5	21.4
12 7	7 2.48	+30 41.3	2.340	3.234	8.6	21.2
12 17	6 53.93	+30 52.4	2.294	3.243	5.4	21.0
12 27	6 44.11	+30 56.6	2.278	3.253	2.7	20.8
1 6	6 34.01	+30 52.1	2.291	3.261	3.4	20.9
1 16	6 24.63	+30 38.8	2.336	3.270	6.4	21.1
1 26	6 16.88	+30 18.5	2.408	3.278	9.4	21.3
2 5	6 11.38	+29 53.5	2.504	3.286	12.0	21.5
47545 2000 AZ_{118}			12 30.8	8°.88	6°.1/ 2.1	18
11 27	7 6.67	+ 3 38.4	1.769	2.556	16.1	18.9
12 7	7 1.30	+ 4 6.5	1.691	2.556	13.0	18.7
12 17	6 53.51	+ 4 56.5	1.634	2.556	9.6	18.5
12 27	6 44.06	+ 6 8.5	1.603	2.557	6.8	18.4
1 6	6 34.04	+ 7 39.7	1.601	2.557	6.4	18.4
1 16	6 24.62	+ 9 24.3	1.627	2.558	8.9	18.5
1 26	6 16.94	+11 15.7	1.681	2.559	12.3	18.7
2 5	6 11.79	+13 7.4	1.758	2.559	15.6	18.9
243219 2007 VA_{1}			12 30.8	183°.26	0°.9/30.7	18
11 27	7 14.67	+24 29.9	2.013	2.824	13.5	19.2
12 7	7 6.82	+23 23.1	1.929	2.824	10.1	18.9
12 17	6 56.58	+22 11.6	1.871	2.824	6.1	18.7
12 27	6 44.86	+20 56.1	1.843	2.824	1.9	18.4
1 6	6 32.87	+19 38.9	1.847	2.824	3.0	18.5
1 16	6 21.83	+18 23.5	1.883	2.823	7.2	18.8
1 26	6 12.79	+17 13.5	1.948	2.822	11.1	19.0
2 5	6 6.39	+16 11.5	2.036	2.821	14.3	19.2
258096 2001 QR_{146}			12 30.8	31°.30	2°.3/31.3	18
11 27	7 5.47	+16 20.8	1.516	2.350	16.1	19.8
12 7	7 0.65	+16 31.9	1.455	2.360	12.1	19.6
12 17	6 53.16	+16 52.8	1.417	2.370	7.6	19.4
12 27	6 43.95	+17 22.0	1.403	2.381	3.1	19.1
1 6	6 34.31	+17 56.8	1.417	2.393	3.7	19.2
1 16	6 25.58	+18 34.1	1.458	2.406	8.1	19.5
1 26	6 18.96	+19 11.8	1.525	2.418	12.4	19.8
2 5	6 15.18	+19 47.9	1.613	2.432	15.9	20.0
232423 2003 EP_{48}			12 30.8	222°.60	0°.2/30.8	18
11 27	7 9.57	+21 19.6	1.911	2.731	13.8	21.5
12 7	7 3.50	+21 36.2	1.823	2.723	10.3	21.2
12 17	6 54.88	+21 56.9	1.760	2.715	6.3	21.0
12 27	6 44.47	+22 19.1	1.725	2.706	1.8	20.7
1 6	6 33.42	+22 40.3	1.719	2.696	2.9	20.7
1 16	6 22.98	+22 58.7	1.742	2.686	7.4	21.0
1 26	6 14.36	+23 13.8	1.793	2.675	11.5	21.2
2 5	6 8.38	+23 26.0	1.867	2.664	14.9	21.4
267954 2004 EO_{105}			12 30.8	156°.96	2°.5/31.3	18
11 27	7 10.14	+15 25.8	1.984	2.792	13.8	22.0
12 7	7 3.56	+15 26.1	1.910	2.800	10.5	21.8
12 17	6 54.71	+15 34.0	1.861	2.808	6.7	21.6
12 27	6 44.38	+15 48.8	1.839	2.815	3.1	21.4
1 6	6 33.64	+16 9.0	1.848	2.821	3.6	21.4
1 16	6 23.63	+16 32.9	1.887	2.826	7.2	21.7
1 26	6 15.37	+16 58.9	1.953	2.831	10.9	21.9
2 5	6 9.54	+17 26.1	2.043	2.835	14.0	22.1

449948 2015 OJ_{68} 12 30.8 94.°51 0.°2/30.8 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
11 27	7 11.32	+24 9.2	1.771	2.595	14.5	21.6
12 7	7 4.57	+24 2.6	1.712	2.614	10.8	21.4
12 17	6 55.31	+23 56.0	1.676	2.631	6.4	21.2
12 27	6 44.52	+23 47.4	1.668	2.649	1.8	20.9
1 6	6 33.49	+23 35.6	1.689	2.666	2.9	21.1
1 16	6 23.51	+23 20.8	1.739	2.683	7.3	21.4
1 26	6 15.66	+23 4.4	1.816	2.700	11.3	21.6
2 5	6 10.58	+22 48.1	1.917	2.716	14.5	21.9

520445 2014 KU_{90} 12 30.8 218.°28 1.°1/31.2 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 27	7 8.65	+16 45.6	2.202	3.009	12.7	22.2
12 7	7 2.55	+17 27.7	2.109	3.001	9.5	21.9
12 17	6 54.21	+18 18.6	2.041	2.992	5.9	21.7
12 27	6 44.29	+19 15.7	2.003	2.983	2.1	21.4
1 6	6 33.73	+20 15.6	1.996	2.973	2.7	21.5
1 16	6 23.60	+21 14.8	2.020	2.962	6.6	21.7
1 26	6 14.94	+22 11.0	2.073	2.951	10.3	21.9
2 5	6 8.53	+23 2.6	2.150	2.939	13.5	22.1

192300 1992 SY_{9} 12 30.8 253.°16 0.°5/30.9 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 27	7 8.45	+21 13.8	1.673	2.502	15.0	21.1
12 7	7 2.87	+21 20.0	1.595	2.500	11.2	20.9
12 17	6 54.56	+21 30.3	1.541	2.497	6.8	20.6
12 27	6 44.39	+21 42.5	1.513	2.494	2.0	20.3
1 6	6 33.62	+21 54.3	1.513	2.491	3.1	20.4
1 16	6 23.65	+22 4.5	1.542	2.488	7.9	20.7
1 26	6 15.72	+22 12.6	1.596	2.485	12.2	20.9
2 5	6 10.67	+22 19.4	1.673	2.481	15.9	21.2

66022 1998 QU_{42} 12 30.8 3.°99 4.°5/30.3 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 27	7 8.94	+35 11.6	1.937	2.758	13.6	17.8
12 7	7 3.11	+35 35.1	1.864	2.758	10.5	17.6
12 17	6 54.61	+35 50.6	1.815	2.758	7.2	17.4
12 27	6 44.37	+35 53.5	1.792	2.759	4.7	17.3
1 6	6 33.69	+35 41.0	1.798	2.759	5.3	17.3
1 16	6 23.92	+35 13.5	1.832	2.761	8.3	17.5
1 26	6 16.26	+34 34.0	1.892	2.762	11.6	17.7
2 5	6 11.43	+33 47.1	1.974	2.764	14.5	17.9

185239 2006 UZ_{6} 12 30.8 5.°36 0.°4/30.9 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 27	7 6.00	+20 50.7	1.665	2.499	14.9	20.4
12 7	7 1.04	+21 8.6	1.592	2.499	11.1	20.2
12 17	6 53.44	+21 31.8	1.542	2.499	6.7	19.9
12 27	6 44.07	+21 57.6	1.519	2.500	1.9	19.6
1 6	6 34.16	+22 23.3	1.523	2.501	3.0	19.7
1 16	6 25.02	+22 46.6	1.556	2.503	7.7	20.0
1 26	6 17.88	+23 6.8	1.614	2.505	12.0	20.3
2 5	6 13.52	+23 23.8	1.694	2.507	15.6	20.5

57892 2002 CH_{36} 12 30.8 155.°43 0.°8/30.9 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 27	7 5.99	+20 5.3	2.156	2.975	12.5	19.5
12 7	7 0.46	+20 13.6	2.078	2.977	9.3	19.3
12 17	6 52.85	+20 25.7	2.025	2.979	5.6	19.1
12 27	6 43.88	+20 40.3	2.000	2.981	1.8	18.8
1 6	6 34.50	+20 55.5	2.005	2.982	2.6	18.9
1 16	6 25.73	+21 10.2	2.040	2.984	6.4	19.1
1 26	6 18.52	+21 23.9	2.102	2.985	10.0	19.3
2 5	6 13.52	+21 36.3	2.188	2.986	13.0	19.5

330814 2008 VK_{53} 12 30.8 133.°02 6.°4/28.5 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 27	7 13.15	+43 43.4	2.830	3.609	10.9	20.6
12 7	7 5.89	+45 7.5	2.769	3.621	8.9	20.5
12 17	6 56.20	+46 21.8	2.733	3.633	7.2	20.4
12 27	6 44.84	+47 20.2	2.726	3.645	6.4	20.4
1 6	6 32.88	+47 58.7	2.749	3.656	6.9	20.4
1 16	6 21.53	+48 16.4	2.800	3.667	8.3	20.5
1 26	6 11.90	+48 15.2	2.877	3.677	10.1	20.7
2 5	6 4.78	+47 59.4	2.977	3.687	11.8	20.8

14110 1998 QA_{23} 12 30.8 26.°20 2.°2/30.5 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 27	7 7.42	+25 13.5	1.018	1.881	19.9	17.6
12 7	7 3.23	+25 54.9	0.972	1.893	14.8	17.3
12 17	6 55.16	+26 38.7	0.945	1.907	8.9	17.1
12 27	6 44.58	+27 18.3	0.941	1.922	3.2	16.8
1 6	6 33.49	+27 47.6	0.961	1.938	4.7	17.0
1 16	6 23.94	+28 4.5	1.005	1.956	10.4	17.3
1 26	6 17.60	+28 10.0	1.071	1.974	15.5	17.7
2 5	6 15.25	+28 7.5	1.156	1.994	19.7	18.0

212861 2007 VZ_{106} 12 30.8 95.°31 1.°4/30.6 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 27	7 10.27	+25 49.0	1.833	2.658	14.1	20.9
12 7	7 3.87	+26 12.8	1.772	2.674	10.4	20.7
12 17	6 54.96	+26 36.3	1.735	2.690	6.3	20.5
12 27	6 44.46	+26 56.0	1.726	2.706	2.2	20.3
1 6	6 33.63	+27 9.1	1.746	2.722	3.2	20.4
1 16	6 23.75	+27 14.6	1.795	2.737	7.3	20.7
1 26	6 15.91	+27 13.6	1.871	2.752	11.1	20.9
2 5	6 10.81	+27 7.9	1.970	2.766	14.3	21.2

275653 2000 HF_{39} 12 30.8 226.°65 1.°1/30.6 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
11 27	7 10.96	+24 53.9	1.922	2.742	13.7	22.2
12 7	7 4.63	+25 17.8	1.832	2.732	10.3	22.0
12 17	6 55.62	+25 43.0	1.766	2.721	6.3	21.7
12 27	6 44.72	+26 6.0	1.729	2.709	2.0	21.4
1 6	6 33.11	+26 23.6	1.721	2.697	3.2	21.5
1 16	6 22.13	+26 34.1	1.743	2.684	7.6	21.7
1 26	6 13.03	+26 37.9	1.792	2.671	11.6	21.9
2 5	6 6.69	+26 36.8	1.864	2.657	15.1	22.1

217851 2001 QA_{35} 12 30.8 53.°82 13.°6/ 2.5 17

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 27	7 38.44	+52 21.6	1.050	1.844	24.3	19.8
12 7	7 27.71	+52 28.2	0.992	1.848	20.8	19.5
12 17	7 10.17	+51 56.9	0.950	1.852	17.0	19.3
12 27	6 48.65	+50 30.0	0.929	1.857	14.2	19.2
1 6	6 27.44	+48 2.9	0.930	1.862	13.8	19.2
1 16	6 10.36	+44 48.9	0.956	1.867	16.0	19.3
1 26	5 59.49	+41 12.6	1.005	1.872	19.6	19.6
2 5	5 54.94	+37 37.8	1.074	1.877	23.3	19.8

191184 2002 NC_{56} 12 30.8 33.°22 1.°9/31.5 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 27	7 5.46	+14 5.0	1.719	2.541	15.0	18.9
12 7	7 0.40	+15 2.2	1.659	2.557	11.3	18.7
12 17	6 52.94	+16 12.2	1.622	2.574	7.1	18.5
12 27	6 43.93	+17 31.4	1.613	2.591	2.8	18.3
1 6	6 34.51	+18 54.7	1.633	2.610	3.2	18.4
1 16	6 25.86	+20 16.9	1.682	2.628	7.3	18.7
1 26	6 19.08	+21 33.9	1.758	2.648	11.2	18.9
2 5	6 14.86	+22 43.5	1.858	2.668	14.5	19.2

277387 2005 UP_{121} 12 30.8 178.°28 0.°2/30.8 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 27	7 11.20	+23 2.6	1.921	2.740	13.8	22.2
12 7	7 4.59	+23 12.5	1.843	2.742	10.3	22.0
12 17	6 55.45	+23 24.2	1.789	2.743	6.2	21.7
12 27	6 44.64	+23 35.1	1.763	2.744	1.7	21.4
1 6	6 33.33	+23 43.0	1.767	2.744	2.9	21.5
1 16	6 22.79	+23 47.0	1.801	2.744	7.2	21.8
1 26	6 14.16	+23 47.4	1.862	2.742	11.2	22.0
2 5	6 8.20	+23 45.6	1.946	2.741	14.5	22.3

174898 2004 BL_{111} 12 30.8 310.°04 2.°1/31.4 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 27	7 6.33	+14 31.6	1.772	2.592	14.7	19.9
12 7	7 1.22	+15 11.4	1.689	2.586	11.2	19.7
12 17	6 53.58	+16 3.9	1.630	2.580	7.1	19.4
12 27	6 44.16	+17 6.8	1.597	2.575	3.0	19.2
1 6	6 34.06	+18 16.1	1.594	2.570	3.4	19.2
1 16	6 24.53	+19 27.3	1.619	2.565	7.7	19.4
1 26	6 16.77	+20 36.6	1.672	2.560	11.8	19.7
2 5	6 11.63	+21 41.4	1.747	2.555	15.4	19.9

16035 Sasandford 12 30.8 163.°09 2.°2/31.4 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 27	7 5.93	+14 59.8	2.211	3.020	12.6	17.6
12 7	7 0.35	+15 12.5	2.132	3.023	9.5	17.4
12 17	6 52.77	+15 33.2	2.078	3.025	6.1	17.2
12 27	6 43.88	+16 0.8	2.052	3.028	2.8	17.0
1 6	6 34.58	+16 33.7	2.056	3.030	3.2	17.0
1 16	6 25.83	+17 9.6	2.091	3.032	6.5	17.2
1 26	6 18.54	+17 46.8	2.153	3.033	9.9	17.4
2 5	6 13.36	+18 23.7	2.240	3.035	12.8	17.6

179280 2001 UF_{226} 12 30.8 302.°80 1.°1/31.0 17

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 27	7 5.63	+19 8.1	1.793	2.621	14.2	20.4
12 7	7 0.74	+19 20.3	1.705	2.608	10.7	20.1
12 17	6 53.32	+19 39.0	1.639	2.595	6.6	19.8
12 27	6 44.10	+20 2.4	1.601	2.581	2.2	19.5
1 6	6 34.20	+20 28.1	1.591	2.569	3.1	19.6
1 16	6 24.86	+20 54.2	1.610	2.556	7.6	19.8
1 26	6 17.31	+21 19.2	1.654	2.543	11.8	20.0
2 5	6 12.39	+21 42.6	1.721	2.531	15.5	20.2

176440 2001 WD_{38} 12 30.8 90.°79 0.°5/30.9 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 27	7 8.46	+19 43.0	2.065	2.881	13.1	19.9
12 7	7 2.20	+20 11.8	2.006	2.904	9.7	19.8
12 17	6 53.84	+20 45.4	1.973	2.926	5.8	19.6
12 27	6 44.16	+21 21.0	1.968	2.948	1.7	19.3
1 6	6 34.22	+21 55.9	1.993	2.970	2.6	19.4
1 16	6 25.06	+22 28.2	2.048	2.992	6.5	19.7
1 26	6 17.62	+22 56.7	2.132	3.013	9.9	20.0
2 5	6 12.50	+23 21.4	2.239	3.034	12.9	20.2

275271 2010 AJ_{40} 12 30.8 95.°21 0.°2/30.8 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 27	7 5.09	+21 43.5	2.364	3.182	11.5	20.4
12 7	6 59.68	+22 16.7	2.290	3.189	8.5	20.2
12 17	6 52.35	+22 53.2	2.242	3.196	5.1	20.0
12 27	6 43.77	+23 30.5	2.222	3.203	1.4	19.8
1 6	6 34.82	+24 6.0	2.233	3.210	2.4	19.8
1 16	6 26.41	+24 37.9	2.274	3.217	6.0	20.1
1 26	6 19.43	+25 5.2	2.344	3.224	9.2	20.3
2 5	6 14.48	+25 28.0	2.438	3.231	12.0	20.5

457249 2008 QR_8 12 30.8 39°.97 9°.2/ 3.2 17

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
11 27	7 3.58	− 3 14.1	1.813	2.574	16.7	20.0
12 7	6 58.69	− 3 33.2	1.762	2.596	14.1	19.9
12 17	6 51.76	− 3 28.4	1.732	2.619	11.5	19.8
12 27	6 43.59	− 2 57.4	1.726	2.642	9.6	19.7
1 6	6 35.19	− 2 1.2	1.745	2.665	9.2	19.8
1 16	6 27.57	− 0 43.8	1.790	2.689	10.5	19.9
1 26	6 21.63	+ 0 48.6	1.861	2.713	12.6	20.1
2 5	6 17.93	+ 2 29.1	1.954	2.738	14.9	20.3

127830 2003 FP_{94} 12 30.8 240°.16 0°.6/30.9 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 27	7 9.09	+20 6.8	1.850	2.671	14.1	20.3
12 7	7 3.28	+20 27.5	1.760	2.660	10.6	20.0
12 17	6 54.85	+20 54.1	1.694	2.649	6.5	19.8
12 27	6 44.54	+21 24.0	1.656	2.637	1.9	19.4
1 6	6 33.51	+21 54.3	1.647	2.624	3.0	19.5
1 16	6 23.05	+22 22.6	1.667	2.611	7.6	19.7
1 26	6 14.41	+22 47.9	1.714	2.598	11.8	20.0
2 5	6 8.46	+23 10.0	1.784	2.584	15.4	20.2

326530 2002 OA_{19} 12 30.8 132°.77 4°.3/31.6 16

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 27	7 11.03	+11 12.0	1.854	2.654	15.0	22.2
12 7	7 4.22	+10 56.0	1.790	2.671	11.6	22.0
12 17	6 55.11	+10 51.2	1.749	2.686	7.9	21.8
12 27	6 44.54	+10 58.0	1.735	2.701	4.8	21.7
1 6	6 33.64	+11 15.6	1.751	2.715	5.0	21.7
1 16	6 23.60	+11 42.3	1.795	2.729	8.1	21.9
1 26	6 15.43	+12 15.6	1.867	2.741	11.5	22.2
2 5	6 9.78	+12 53.0	1.963	2.752	14.6	22.4

374652 2006 JZ_{48} 12 30.8 222°.95 10°.4/ 1.8 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 27	7 2.48	−13 16.8	2.744	3.416	13.5	21.1
12 7	6 57.51	−14 22.6	2.667	3.410	12.3	21.0
12 17	6 50.97	−15 9.0	2.611	3.404	11.2	20.9
12 27	6 43.38	−15 31.8	2.578	3.397	10.5	20.9
1 6	6 35.45	−15 29.0	2.568	3.391	10.5	20.9
1 16	6 27.89	−15 1.0	2.583	3.384	11.1	20.9
1 26	6 21.43	−14 10.3	2.621	3.377	12.2	21.0
2 5	6 16.59	−13 1.7	2.679	3.370	13.4	21.1

293993 2007 TK_{79} 12 30.8 149°.85 5°.4/31.5 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 27	7 7.17	+ 9 12.8	1.968	2.766	14.3	20.9
12 7	7 1.36	+ 8 30.7	1.895	2.771	11.3	20.7
12 17	6 53.40	+ 7 59.4	1.845	2.776	8.1	20.5
12 27	6 44.07	+ 7 41.2	1.823	2.780	5.7	20.4
1 6	6 34.37	+ 7 36.8	1.829	2.784	5.9	20.4
1 16	6 25.34	+ 7 45.7	1.863	2.788	8.4	20.6
1 26	6 17.96	+ 8 6.0	1.924	2.791	11.5	20.8
2 5	6 12.87	+ 8 34.8	2.007	2.794	14.4	21.0

307875 2004 BM_{60} 12 30.8 115°.32 2°.8/30.8 17

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 27	7 14.54	+32 33.0	2.093	2.902	13.1	20.5
12 7	7 6.71	+32 24.0	2.028	2.919	9.9	20.3
12 17	6 56.50	+32 7.5	1.988	2.935	6.3	20.1
12 27	6 44.90	+31 40.6	1.976	2.951	3.2	19.9
1 6	6 33.14	+31 2.6	1.996	2.966	3.8	20.0
1 16	6 22.47	+30 15.2	2.045	2.981	7.1	20.2
1 26	6 13.90	+29 22.1	2.123	2.995	10.4	20.5
2 5	6 8.02	+28 27.4	2.225	3.009	13.3	20.7

190791 2001 RF_{26} 12 30.8 215°.38 0°.5/30.7 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 27	7 10.99	+23 32.5	1.893	2.714	13.9	21.3
12 7	7 4.62	+23 49.2	1.807	2.707	10.4	21.1
12 17	6 55.61	+24 7.8	1.744	2.699	6.3	20.8
12 27	6 44.75	+24 25.4	1.710	2.691	1.8	20.5
1 6	6 33.24	+24 39.3	1.705	2.682	3.0	20.6
1 16	6 22.40	+24 48.1	1.729	2.672	7.5	20.9
1 26	6 13.46	+24 51.9	1.781	2.662	11.6	21.1
2 5	6 7.27	+24 52.3	1.856	2.651	15.1	21.3

63362 2001 FD_{177} 12 30.8 84°.70 2°.6/30.1 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 27	7 7.77	+28 38.2	2.205	3.025	12.2	19.1
12 7	7 1.86	+29 30.2	2.140	3.038	9.1	18.9
12 17	6 53.74	+30 20.9	2.100	3.051	5.7	18.7
12 27	6 44.18	+31 5.8	2.090	3.065	2.9	18.5
1 6	6 34.22	+31 41.4	2.109	3.078	3.7	18.6
1 16	6 24.95	+32 6.0	2.158	3.091	6.9	18.8
1 26	6 17.38	+32 19.9	2.234	3.104	10.0	19.1
2 5	6 12.18	+32 25.2	2.334	3.117	12.8	19.3

174409 2002 VM_{79} 12 30.8 90°.03 5°.6/31.4 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 27	7 6.65	+ 9 24.8	1.879	2.681	14.7	20.1
12 7	7 1.01	+ 8 34.3	1.811	2.690	11.6	19.9
12 17	6 53.21	+ 7 54.9	1.767	2.698	8.4	19.8
12 27	6 44.03	+ 7 29.0	1.749	2.706	6.0	19.6
1 6	6 34.52	+ 7 17.8	1.760	2.715	6.1	19.7
1 16	6 25.76	+ 7 20.8	1.798	2.723	8.7	19.8
1 26	6 18.71	+ 7 36.3	1.862	2.731	11.8	20.0
2 5	6 14.01	+ 8 1.3	1.949	2.739	14.7	20.3

178941 2001 QY_{100} 12 30.8 32°.92 21°.7/31.5 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
11 27	7 30.46	+58 57.1	0.889	1.689	27.3	18.8
12 7	7 25.10	+61 18.2	0.862	1.698	24.9	18.7
12 17	7 10.48	+62 57.8	0.847	1.708	22.9	18.6
12 27	6 49.11	+63 32.5	0.847	1.718	21.8	18.6
1 6	6 26.77	+62 50.9	0.863	1.730	21.9	18.6
1 16	6 9.44	+61 0.4	0.894	1.743	23.0	18.8
1 26	6 0.31	+58 22.5	0.941	1.756	24.8	18.9
2 5	5 59.28	+55 20.7	1.002	1.771	26.8	19.2

432950 2012 HB_7 12 30.8 296°.67 0°.3/30.8 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 27	7 9.85	+21 56.8	1.289	2.133	17.8	21.4
12 7	7 4.77	+22 23.6	1.214	2.126	13.4	21.1
12 17	6 56.16	+22 57.0	1.160	2.119	8.1	20.8
12 27	6 45.00	+23 32.6	1.131	2.112	2.3	20.4
1 6	6 32.90	+24 5.9	1.128	2.106	3.8	20.5
1 16	6 21.74	+24 33.4	1.151	2.099	9.6	20.8
1 26	6 13.22	+24 54.3	1.197	2.093	14.8	21.1
2 5	6 8.40	+25 9.7	1.264	2.087	19.2	21.4

97527 2000 DL_{25} 12 30.8 270°.76 0°.4/30.8 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 27	7 5.64	+24 10.7	2.330	3.149	11.6	19.9
12 7	7 0.23	+24 13.7	2.238	3.138	8.7	19.7
12 17	6 52.78	+24 17.1	2.172	3.127	5.2	19.5
12 27	6 43.95	+24 19.2	2.134	3.115	1.5	19.2
1 6	6 34.65	+24 18.5	2.126	3.103	2.5	19.3
1 16	6 25.86	+24 14.5	2.148	3.091	6.2	19.5
1 26	6 18.53	+24 7.7	2.198	3.080	9.7	19.7
2 5	6 13.32	+23 59.0	2.273	3.068	12.7	19.9

405495 2004 XP_{154} 12 30.8 122°.48 1°.7/30.3 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 27	7 7.31	+26 21.2	2.516	3.330	11.0	21.0
12 7	7 1.27	+27 8.2	2.446	3.343	8.2	20.8
12 17	6 53.30	+27 55.5	2.402	3.355	5.0	20.7
12 27	6 44.07	+28 39.4	2.388	3.366	2.1	20.5
1 6	6 34.48	+29 16.9	2.405	3.378	2.9	20.5
1 16	6 25.45	+29 46.4	2.453	3.389	6.0	20.8
1 26	6 17.86	+30 7.6	2.529	3.399	9.0	21.0
2 5	6 12.32	+30 21.7	2.630	3.410	11.6	21.2

229683 2007 CR_{62} 12 30.8 252°.71 0°.8/30.9 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 27	7 9.91	+21 6.7	1.692	2.518	15.0	21.1
12 7	7 4.09	+21 4.2	1.603	2.506	11.3	20.8
12 17	6 55.43	+21 5.3	1.537	2.493	6.9	20.5
12 27	6 44.75	+21 8.1	1.498	2.479	2.1	20.2
1 6	6 33.33	+21 10.8	1.488	2.466	3.2	20.2
1 16	6 22.58	+21 12.6	1.506	2.452	8.1	20.5
1 26	6 13.87	+21 13.6	1.551	2.437	12.6	20.7
2 5	6 8.09	+21 14.6	1.617	2.423	16.5	20.9

303150 2004 DB_{77} 12 30.8 11°.38 10°.6/ 2.6 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 27	7 0.83	+ 0 46.8	1.185	2.001	20.8	19.7
12 7	6 57.69	+ 0 8.4	1.131	2.005	17.3	19.5
12 17	6 51.64	− 0 1.0	1.095	2.012	13.8	19.3
12 27	6 43.66	+ 0 23.2	1.079	2.020	11.2	19.2
1 6	6 35.18	+ 1 20.9	1.086	2.029	10.7	19.2
1 16	6 27.67	+ 2 46.6	1.116	2.041	12.8	19.3
1 26	6 22.45	+ 4 31.5	1.168	2.054	15.9	19.6
2 5	6 20.31	+ 6 25.1	1.239	2.068	19.2	19.8

311613 2006 PD_{25} 12 30.8 40°.22 7°.4/ 2.2 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 27	7 5.39	+ 3 21.7	1.482	2.282	18.0	20.0
12 7	7 0.50	+ 3 21.5	1.428	2.299	14.6	19.8
12 17	6 53.06	+ 3 44.4	1.394	2.316	10.9	19.6
12 27	6 44.03	+ 4 31.4	1.384	2.334	8.1	19.5
1 6	6 34.64	+ 5 40.2	1.400	2.353	7.7	19.5
1 16	6 26.17	+ 7 5.2	1.442	2.372	10.0	19.7
1 26	6 19.75	+ 8 39.7	1.510	2.391	13.3	20.0
2 5	6 16.06	+10 16.6	1.600	2.411	16.4	20.2

153562 2001 SL_{157} 12 30.8 151°.83 0°.6/30.9 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 27	7 11.22	+21 52.4	1.796	2.618	14.5	20.0
12 7	7 4.66	+21 43.5	1.724	2.624	10.8	19.8
12 17	6 55.52	+21 36.4	1.675	2.630	6.5	19.5
12 27	6 44.73	+21 29.8	1.654	2.635	2.0	19.2
1 6	6 33.52	+21 22.4	1.663	2.640	3.0	19.3
1 16	6 23.19	+21 14.0	1.700	2.644	7.5	19.6
1 26	6 14.90	+21 5.4	1.765	2.648	11.5	19.9
2 5	6 9.36	+20 57.5	1.852	2.652	15.0	20.1

208906 2002 TT_{209} 12 30.8 104°.72 4°.0/31.8 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 27	7 7.11	+10 34.3	1.971	2.773	14.1	20.7
12 7	7 1.29	+10 34.4	1.905	2.787	10.9	20.5
12 17	6 53.37	+10 46.4	1.864	2.802	7.5	20.3
12 27	6 44.12	+11 10.3	1.850	2.816	4.5	20.2
1 6	6 34.54	+11 44.3	1.864	2.830	4.6	20.2
1 16	6 25.68	+12 26.2	1.908	2.844	7.5	20.4
1 26	6 18.48	+13 13.1	1.979	2.857	10.8	20.6
2 5	6 13.56	+14 2.1	2.074	2.870	13.7	20.9

453126 2007 YC_{74} 12 30.8 254.°97 8.°4/ 3.2 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
11 27	7 13.57	− 0 27.9	1.159	1.952	22.5	20.3
12 7	7 7.83	+ 0 31.3	1.079	1.946	18.6	20.0
12 17	6 58.24	+ 2 12.4	1.017	1.940	14.0	19.7
12 27	6 45.69	+ 4 37.6	0.978	1.933	9.8	19.4
1 6	6 31.80	+ 7 39.8	0.965	1.927	8.7	19.3
1 16	6 18.62	+11 4.0	0.980	1.920	12.2	19.5
1 26	6 8.13	+14 32.0	1.021	1.913	17.2	19.8
2 5	6 1.63	+17 48.7	1.085	1.907	21.8	20.0

202598 2006 HP_{17} 12 30.8 163.°87 4.°1/29.5 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 27	7 8.62	+36 19.8	2.938	3.737	10.0	20.9
12 7	7 2.24	+37 15.4	2.863	3.742	7.8	20.7
12 17	6 53.92	+38 5.6	2.814	3.746	5.6	20.6
12 27	6 44.29	+38 46.0	2.795	3.750	4.2	20.5
1 6	6 34.22	+39 13.8	2.807	3.754	4.7	20.5
1 16	6 24.66	+39 27.8	2.849	3.757	6.6	20.6
1 26	6 16.48	+39 29.1	2.918	3.760	8.9	20.8
2 5	6 10.33	+39 20.2	3.012	3.762	10.9	21.0

32239 2000 OB_{39} 12 30.8 158.°06 3.°0/31.3 18 R

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 27	7 6.32	+13 54.2	2.403	3.204	11.9	19.2
12 7	7 0.44	+13 33.1	2.326	3.210	9.1	19.0
12 17	6 52.77	+13 18.5	2.274	3.215	6.0	18.8
12 27	6 43.95	+13 10.7	2.250	3.220	3.4	18.6
1 6	6 34.83	+13 9.8	2.257	3.225	3.7	18.7
1 16	6 26.28	+13 15.0	2.294	3.229	6.5	18.8
1 26	6 19.09	+13 25.6	2.360	3.233	9.5	19.0
2 5	6 13.84	+13 40.3	2.449	3.236	12.1	19.2

121672 1999 XM_{47} 12 30.8 58.°61 0.°8/30.7 17

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 27	7 6.70	+24 35.8	1.993	2.819	13.1	19.9
12 7	7 1.15	+24 49.2	1.925	2.828	9.7	19.7
12 17	6 53.36	+25 3.2	1.882	2.838	5.8	19.5
12 27	6 44.14	+25 15.2	1.867	2.848	1.8	19.2
1 6	6 34.56	+25 23.4	1.881	2.858	2.8	19.3
1 16	6 25.76	+25 26.7	1.924	2.867	6.8	19.6
1 26	6 18.72	+25 25.8	1.994	2.878	10.4	19.9
2 5	6 14.11	+25 21.8	2.087	2.888	13.5	20.1

420057 2011 DX_{38} 12 30.8 263.°78 3.°7/30.3 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 27	7 8.42	+34 7.1	2.319	3.133	11.9	21.2
12 7	7 2.45	+34 28.7	2.235	3.126	9.1	21.0
12 17	6 54.18	+34 44.3	2.176	3.119	6.2	20.8
12 27	6 44.39	+34 49.9	2.144	3.112	3.9	20.7
1 6	6 34.13	+34 43.1	2.143	3.105	4.5	20.7
1 16	6 24.55	+34 23.8	2.170	3.098	7.2	20.9
1 26	6 16.68	+33 54.0	2.225	3.091	10.2	21.0
2 5	6 11.23	+33 17.1	2.303	3.084	13.0	21.2

43910 1995 WA_{20} 12 30.8 227.°80 0.°0/30.7 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 27	7 8.36	+21 16.3	1.982	2.802	13.4	20.0
12 7	7 2.59	+21 41.1	1.895	2.795	10.0	19.8
12 17	6 54.38	+22 10.5	1.833	2.788	6.0	19.5
12 27	6 44.47	+22 41.6	1.799	2.780	1.7	19.2
1 6	6 33.95	+23 11.7	1.794	2.771	2.8	19.3
1 16	6 24.00	+23 38.5	1.819	2.763	7.1	19.5
1 26	6 15.76	+24 1.2	1.871	2.754	11.0	19.7
2 5	6 10.03	+24 20.0	1.947	2.745	14.4	20.0

448500 2010 LM_{77} 12 30.8 81.°01 5.°2/30.4 17

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 27	7 13.13	+37 0.2	1.904	2.717	14.1	21.1
12 7	7 6.17	+37 32.2	1.846	2.733	11.0	20.9
12 17	6 56.43	+37 54.3	1.812	2.750	7.7	20.7
12 27	6 44.99	+38 1.0	1.805	2.766	5.4	20.6
1 6	6 33.26	+37 49.7	1.827	2.782	5.9	20.7
1 16	6 22.69	+37 21.2	1.877	2.798	8.6	20.9
1 26	6 14.45	+36 39.5	1.952	2.814	11.7	21.1
2 5	6 9.23	+35 49.8	2.051	2.830	14.4	21.3

260717 2005 JY_{166} 12 30.8 155.°93 2.°7/30.2 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 27	7 10.09	+29 39.4	2.358	3.171	11.8	21.5
12 7	7 3.54	+30 25.2	2.285	3.178	8.8	21.3
12 17	6 54.78	+31 8.8	2.236	3.185	5.6	21.1
12 27	6 44.56	+31 46.0	2.218	3.191	3.0	21.0
1 6	6 33.89	+32 13.6	2.229	3.197	3.7	21.0
1 16	6 23.86	+32 30.0	2.271	3.202	6.8	21.2
1 26	6 15.47	+32 36.1	2.342	3.207	9.8	21.4
2 5	6 9.41	+32 34.0	2.436	3.211	12.5	21.6

250690 2005 QH_{103} 12 30.8 177.°05 1.°5/30.6 17

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 27	7 8.66	+27 11.4	2.186	3.005	12.3	20.9
12 7	7 2.54	+27 23.9	2.107	3.006	9.2	20.7
12 17	6 54.20	+27 34.7	2.053	3.007	5.6	20.5
12 27	6 44.39	+27 41.2	2.028	3.007	2.1	20.3
1 6	6 34.18	+27 41.3	2.033	3.008	3.0	20.3
1 16	6 24.64	+27 34.6	2.067	3.008	6.6	20.6
1 26	6 16.81	+27 22.2	2.130	3.007	10.1	20.8
2 5	6 11.34	+27 6.1	2.216	3.007	13.1	21.0

21997 1999 XP_{36} 12 30.8 47.°72 7.°5/29.9 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
11 27	7 13.60	+38 21.6	1.446	2.273	17.1	16.9
12 7	7 7.42	+39 32.3	1.398	2.290	13.5	16.7
12 17	6 57.58	+40 30.9	1.372	2.307	9.9	16.5
12 27	6 45.37	+41 8.3	1.370	2.324	7.7	16.5
1 6	6 32.70	+41 19.0	1.394	2.342	8.3	16.5
1 16	6 21.49	+41 3.5	1.444	2.360	11.1	16.8
1 26	6 13.35	+40 27.2	1.517	2.379	14.4	17.0
2 5	6 9.03	+39 37.9	1.611	2.398	17.4	17.2

467077 2016 DM_{23} 12 30.8 141.°01 16.°7/31.1 17

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 27	7 36.25	+56 10.1	1.204	1.977	22.9	20.8
12 7	7 27.23	+57 43.3	1.153	1.980	20.4	20.6
12 17	7 10.81	+58 44.8	1.119	1.984	18.2	20.5
12 27	6 49.21	+58 54.9	1.104	1.987	16.9	20.4
1 6	6 26.81	+58 3.1	1.110	1.990	17.0	20.4
1 16	6 8.14	+56 14.0	1.136	1.992	18.5	20.5
1 26	5 56.05	+53 45.5	1.182	1.994	20.9	20.7
2 5	5 51.01	+50 58.0	1.245	1.997	23.3	20.9

270744 2002 RG_{36} 12 30.8 118.°42 2.°1/30.6 17

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 27	7 7.62	+29 59.1	2.456	3.271	11.3	20.8
12 7	7 1.52	+30 6.6	2.383	3.278	8.4	20.6
12 17	6 53.45	+30 10.3	2.335	3.286	5.3	20.5
12 27	6 44.17	+30 7.7	2.317	3.293	2.4	20.3
1 6	6 34.60	+29 57.5	2.329	3.300	3.1	20.3
1 16	6 25.73	+29 39.8	2.371	3.307	6.1	20.5
1 26	6 18.41	+29 16.1	2.441	3.314	9.2	20.8
2 5	6 13.23	+28 48.7	2.535	3.321	11.8	20.9

265976 2006 DZ_{26} 12 30.8 162.°44 4.°3/31.8 17

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 27	7 3.61	+ 8 57.3	2.364	3.158	12.3	20.9
12 7	6 58.53	+ 8 45.6	2.285	3.159	9.7	20.7
12 17	6 51.68	+ 8 44.5	2.229	3.160	6.9	20.6
12 27	6 43.69	+ 8 54.9	2.202	3.161	4.7	20.4
1 6	6 35.34	+ 9 16.2	2.203	3.162	4.7	20.4
1 16	6 27.48	+ 9 47.1	2.234	3.163	7.0	20.6
1 26	6 20.92	+10 25.3	2.293	3.164	9.8	20.7
2 5	6 16.21	+11 8.2	2.375	3.165	12.4	20.9

294578 2007 YA_{57} 12 30.8 65.°96 1.°0/30.6 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 27	7 11.90	+21 51.1	1.229	2.073	18.5	20.3
12 7	7 6.14	+22 48.7	1.175	2.087	13.7	20.0
12 17	6 56.85	+23 53.7	1.142	2.101	8.2	19.8
12 27	6 45.21	+24 59.2	1.134	2.116	2.4	19.5
1 6	6 32.96	+25 58.3	1.153	2.130	4.0	19.6
1 16	6 21.98	+26 46.6	1.198	2.145	9.5	20.0
1 26	6 13.88	+27 22.9	1.267	2.160	14.4	20.3
2 5	6 9.50	+27 49.1	1.356	2.175	18.4	20.6

281661 2008 VW_{13} 12 30.8 107.°36 0.°6/30.9 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 27	7 10.79	+20 18.1	1.805	2.625	14.5	21.4
12 7	7 4.24	+20 33.0	1.744	2.643	10.8	21.2
12 17	6 55.23	+20 52.3	1.707	2.661	6.5	21.0
12 27	6 44.68	+21 13.6	1.697	2.678	2.0	20.7
1 6	6 33.81	+21 34.5	1.718	2.695	2.9	20.8
1 16	6 23.86	+21 53.3	1.767	2.712	7.2	21.1
1 26	6 15.91	+22 9.6	1.844	2.728	11.1	21.4
2 5	6 10.64	+22 23.6	1.944	2.743	14.4	21.6

14308 5193 $T\text{-}_{3}$ 12 30.8 243.°08 4.°0/31.8 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 27	7 3.82	+ 8 51.4	2.615	3.403	11.4	18.2
12 7	6 58.64	+ 8 45.5	2.518	3.389	9.0	18.1
12 17	6 51.77	+ 8 49.4	2.446	3.375	6.4	17.9
12 27	6 43.73	+ 9 4.1	2.402	3.361	4.4	17.7
1 6	6 35.25	+ 9 28.9	2.388	3.346	4.4	17.7
1 16	6 27.13	+10 2.6	2.404	3.332	6.6	17.8
1 26	6 20.12	+10 43.3	2.448	3.316	9.3	18.0
2 5	6 14.83	+11 28.5	2.517	3.301	11.9	18.1

266436 2007 HY_{6} 12 30.8 169.°73 2.°4/30.3 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 27	7 7.48	+30 22.5	2.701	3.512	10.5	21.2
12 7	7 1.37	+30 50.2	2.623	3.515	7.9	21.0
12 17	6 53.38	+31 15.0	2.570	3.518	5.0	20.8
12 27	6 44.17	+31 33.7	2.547	3.520	2.6	20.6
1 6	6 34.60	+31 44.4	2.554	3.522	3.3	20.7
1 16	6 25.58	+31 46.2	2.592	3.524	6.0	20.9
1 26	6 17.95	+31 40.0	2.659	3.525	8.8	21.1
2 5	6 12.33	+31 27.8	2.750	3.526	11.2	21.2

260714 2005 JO_{158} 12 30.8 261.°25 7.°2/31.8 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 27	7 5.43	+ 4 9.8	1.973	2.757	14.8	20.7
12 7	7 0.29	+ 3 27.6	1.884	2.744	12.1	20.5
12 17	6 52.96	+ 3 0.0	1.818	2.731	9.4	20.3
12 27	6 44.10	+ 2 50.2	1.777	2.718	7.5	20.2
1 6	6 34.67	+ 2 59.7	1.764	2.704	7.5	20.1
1 16	6 25.71	+ 3 27.7	1.778	2.691	9.6	20.2
1 26	6 18.27	+ 4 11.4	1.817	2.677	12.5	20.4
2 5	6 13.08	+ 5 6.4	1.879	2.663	15.4	20.5

163542 2002 TQ_{84} 12 30.8 129.°35 4.°8/ 1.2 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
11 27	7 3.11	+ 5 7.9	2.789	3.561	11.2	20.4
12 7	6 57.85	+ 4 54.5	2.717	3.573	9.0	20.2
12 17	6 51.14	+ 4 52.3	2.670	3.584	6.8	20.1
12 27	6 43.53	+ 5 2.3	2.651	3.595	5.1	20.0
1 6	6 35.68	+ 5 24.0	2.661	3.606	5.0	20.0
1 16	6 28.28	+ 5 56.2	2.701	3.616	6.6	20.1
1 26	6 21.99	+ 6 36.8	2.769	3.626	8.8	20.3
2 5	6 17.27	+ 7 22.9	2.862	3.635	10.9	20.5

523262 2017 AT_{23} 12 30.8 25.°78 0.°7/30.9 17

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 27	7 6.95	+21 46.6	1.519	2.357	15.8	20.7
12 7	7 1.87	+21 39.0	1.455	2.364	11.8	20.5
12 17	6 54.02	+21 34.4	1.414	2.371	7.1	20.3
12 27	6 44.39	+21 31.4	1.398	2.379	2.1	20.0
1 6	6 34.34	+21 28.4	1.410	2.388	3.2	20.1
1 16	6 25.27	+21 25.0	1.448	2.397	8.1	20.4
1 26	6 18.41	+21 21.5	1.512	2.406	12.4	20.6
2 5	6 14.50	+21 18.4	1.598	2.416	16.1	20.9

440151 2003 UK_{305} 12 30.8 91.°82 7.°0/30.0 17

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 27	7 14.47	+39 44.8	1.746	2.558	15.2	21.3
12 7	7 7.73	+40 36.3	1.682	2.564	12.1	21.1
12 17	6 57.68	+41 16.2	1.641	2.570	9.1	20.9
12 27	6 45.44	+41 36.6	1.625	2.576	7.1	20.8
1 6	6 32.66	+41 33.2	1.637	2.581	7.6	20.9
1 16	6 21.08	+41 6.3	1.675	2.587	10.2	21.0
1 26	6 12.17	+40 20.6	1.739	2.593	13.2	21.2
2 5	6 6.74	+39 23.2	1.823	2.598	16.1	21.4

341002 2007 FP_{16} 12 30.8 235.°63 0.°7/30.9 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 27	7 10.08	+20 43.5	1.801	2.623	14.4	22.0
12 7	7 4.10	+20 48.7	1.712	2.613	10.9	21.7
12 17	6 55.42	+20 58.0	1.647	2.601	6.6	21.5
12 27	6 44.84	+21 9.5	1.609	2.590	2.0	21.1
1 6	6 33.55	+21 21.1	1.600	2.578	3.0	21.2
1 16	6 22.91	+21 31.4	1.621	2.565	7.7	21.4
1 26	6 14.17	+21 40.2	1.668	2.552	12.0	21.7
2 5	6 8.21	+21 47.9	1.737	2.539	15.7	21.9

127705 2003 ES_{27} 12 30.8 331.°93 1.°8/31.1 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 27	7 6.24	+18 0.4	1.326	2.169	17.4	19.5
12 7	7 1.93	+18 10.2	1.250	2.160	13.2	19.2
12 17	6 54.42	+18 29.9	1.194	2.151	8.2	18.9
12 27	6 44.60	+18 57.6	1.163	2.143	3.0	18.6
1 6	6 33.95	+19 30.4	1.158	2.135	3.9	18.6
1 16	6 24.11	+20 5.1	1.178	2.128	9.3	18.9
1 26	6 16.64	+20 39.4	1.223	2.122	14.3	19.2
2 5	6 12.55	+21 11.9	1.288	2.117	18.6	19.4

435595 2008 SN_{11} 12 30.8 143.°72 2.°6/30.5 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 27	7 11.72	+28 31.1	1.682	2.509	15.0	21.3
12 7	7 5.44	+28 57.7	1.611	2.513	11.3	21.0
12 17	6 56.22	+29 22.0	1.563	2.517	7.0	20.8
12 27	6 45.05	+29 39.3	1.542	2.520	3.1	20.6
1 6	6 33.33	+29 46.2	1.550	2.523	4.1	20.6
1 16	6 22.57	+29 41.9	1.586	2.526	8.3	20.9
1 26	6 14.10	+29 28.2	1.648	2.529	12.4	21.1
2 5	6 8.74	+29 8.6	1.732	2.531	15.8	21.4

313876 2004 GF_{48} 12 30.8 145.°96 3.°6/30.1 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 27	7 10.52	+33 1.2	2.355	3.165	11.8	21.5
12 7	7 3.91	+33 43.3	2.284	3.173	9.0	21.3
12 17	6 55.03	+34 20.7	2.238	3.182	6.0	21.1
12 27	6 44.68	+34 48.7	2.222	3.189	3.8	21.0
1 6	6 33.92	+35 4.4	2.235	3.197	4.4	21.1
1 16	6 23.87	+35 6.9	2.279	3.204	7.1	21.2
1 26	6 15.55	+34 57.9	2.350	3.210	10.0	21.4
2 5	6 9.64	+34 40.3	2.444	3.216	12.6	21.6

183178 2002 SO_{47} 12 30.8 164.°96 2.°9/30.4 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 27	7 14.55	+29 52.7	1.930	2.745	13.9	21.4
12 7	7 7.24	+30 24.7	1.857	2.752	10.5	21.2
12 17	6 57.18	+30 53.2	1.808	2.757	6.6	21.0
12 27	6 45.31	+31 13.5	1.787	2.762	3.3	20.8
1 6	6 32.93	+31 22.2	1.796	2.766	4.1	20.9
1 16	6 21.44	+31 18.4	1.835	2.769	7.8	21.1
1 26	6 12.09	+31 4.2	1.901	2.771	11.5	21.3
2 5	6 5.66	+30 43.2	1.990	2.773	14.7	21.5

180590 2004 FN_{44} 12 30.8 216.°38 5.°4/ 1.0 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 27	7 5.31	+ 7 4.5	2.079	2.871	13.9	20.7
12 7	7 0.05	+ 6 48.1	1.997	2.867	11.1	20.5
12 17	6 52.74	+ 6 45.1	1.938	2.864	8.1	20.3
12 27	6 44.05	+ 6 56.8	1.906	2.860	5.8	20.1
1 6	6 34.90	+ 7 23.1	1.902	2.856	5.8	20.1
1 16	6 26.28	+ 8 2.1	1.927	2.852	8.1	20.3
1 26	6 19.12	+ 8 50.9	1.978	2.848	11.1	20.4
2 5	6 14.11	+ 9 45.9	2.053	2.844	14.0	20.6

352830 2008 UX_{355} 12 30.8 71.°53 0.°4/30.8 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
11 27	7 9.89	+23 38.4	1.572	2.405	15.6	21.3
12 7	7 4.02	+23 46.7	1.508	2.414	11.6	21.1
12 17	6 55.32	+23 56.7	1.466	2.423	7.0	20.9
12 27	6 44.79	+24 5.6	1.451	2.432	2.0	20.6
1 6	6 33.81	+24 10.8	1.464	2.442	3.2	20.7
1 16	6 23.85	+24 11.5	1.505	2.451	8.0	21.0
1 26	6 16.16	+24 8.6	1.571	2.460	12.3	21.3
2 5	6 11.50	+24 3.5	1.659	2.470	15.9	21.5

434489 2005 SW_{16} 12 30.8 177.°49 1.°4/30.6 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 27	7 12.97	+26 31.9	2.072	2.885	13.1	22.4
12 7	7 5.86	+26 50.2	1.992	2.888	9.8	22.2
12 17	6 56.28	+27 7.5	1.938	2.890	6.0	22.0
12 27	6 45.06	+27 20.3	1.912	2.892	2.1	21.8
1 6	6 33.35	+27 26.2	1.917	2.892	3.1	21.8
1 16	6 22.40	+27 24.3	1.952	2.891	7.1	22.1
1 26	6 13.32	+27 16.0	2.015	2.890	10.7	22.3
2 5	6 6.87	+27 3.3	2.102	2.888	13.9	22.5

518027 2015 VS_{156} 12 30.8 166.°32 1.°4/30.6 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 27	7 9.40	+26 2.0	2.219	3.035	12.3	21.9
12 7	7 3.09	+26 27.2	2.142	3.039	9.1	21.7
12 17	6 54.56	+26 52.2	2.090	3.043	5.6	21.5
12 27	6 44.57	+27 13.9	2.067	3.046	2.0	21.2
1 6	6 34.14	+27 29.7	2.074	3.049	2.9	21.3
1 16	6 24.37	+27 38.5	2.112	3.051	6.6	21.5
1 26	6 16.27	+27 40.8	2.177	3.053	10.0	21.8
2 5	6 10.51	+27 38.2	2.267	3.054	12.9	22.0

288284 2004 AM_{10} 12 30.8 27.°02 4.°1/31.2 17

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 27	7 16.82	+36 21.3	1.725	2.539	15.3	19.9
12 7	7 9.08	+35 54.8	1.650	2.541	11.8	19.6
12 17	6 58.27	+35 14.8	1.599	2.543	7.9	19.4
12 27	6 45.58	+34 17.5	1.574	2.545	4.6	19.2
1 6	6 32.65	+33 2.7	1.579	2.547	5.0	19.2
1 16	6 21.07	+31 34.4	1.614	2.549	8.6	19.5
1 26	6 12.14	+29 59.6	1.675	2.552	12.4	19.7
2 5	6 6.53	+28 25.1	1.760	2.555	15.8	19.9

177522 2004 EP_{86} 12 30.8 9.°40 6.°9/29.6 17

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 27	7 11.88	+38 44.5	1.744	2.561	15.0	20.1
12 7	7 5.93	+39 49.8	1.676	2.562	12.0	19.9
12 17	6 56.71	+40 45.5	1.631	2.562	8.9	19.7
12 27	6 45.24	+41 23.5	1.612	2.563	7.0	19.6
1 6	6 33.06	+41 38.5	1.620	2.564	7.7	19.6
1 16	6 21.90	+41 29.5	1.654	2.565	10.3	19.8
1 26	6 13.27	+41 0.2	1.713	2.567	13.4	20.0
2 5	6 8.07	+40 17.1	1.792	2.568	16.3	20.2

178566 1999 VK_{182} 12 30.8 186.°99 3.°8/30.1 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 27	7 13.55	+30 7.1	1.694	2.518	15.1	20.3
12 7	7 7.02	+31 3.8	1.619	2.518	11.5	20.1
12 17	6 57.33	+31 58.8	1.568	2.518	7.4	19.8
12 27	6 45.42	+32 45.0	1.544	2.517	4.1	19.6
1 6	6 32.76	+33 17.1	1.548	2.516	5.1	19.7
1 16	6 20.95	+33 32.7	1.581	2.514	9.0	19.9
1 26	6 11.51	+33 33.4	1.639	2.511	12.9	20.1
2 5	6 5.35	+33 23.2	1.720	2.508	16.4	20.4

132444 2002 GW_{177} 12 30.8 91.°16 0.°3/30.9 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 27	7 14.32	+22 22.9	1.415	2.246	17.2	19.9
12 7	7 7.32	+22 21.5	1.362	2.267	12.7	19.7
12 17	6 57.25	+22 22.7	1.331	2.288	7.6	19.5
12 27	6 45.31	+22 23.8	1.327	2.308	2.2	19.2
1 6	6 33.10	+22 22.7	1.351	2.328	3.4	19.3
1 16	6 22.22	+22 19.2	1.402	2.348	8.5	19.7
1 26	6 13.98	+22 14.2	1.478	2.367	13.0	20.0
2 5	6 9.05	+22 9.0	1.577	2.386	16.7	20.3

209861 2005 JD_{37} 12 30.8 183.°58 2.°6/30.5 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 27	7 10.86	+30 41.3	2.301	3.113	12.0	20.8
12 7	7 4.17	+31 0.4	2.220	3.113	9.1	20.6
12 17	6 55.20	+31 15.4	2.165	3.113	5.8	20.4
12 27	6 44.75	+31 22.8	2.138	3.113	2.9	20.2
1 6	6 33.87	+31 20.5	2.142	3.111	3.6	20.3
1 16	6 23.69	+31 8.1	2.176	3.110	6.8	20.5
1 26	6 15.24	+30 47.4	2.238	3.108	10.0	20.7
2 5	6 9.20	+30 21.1	2.324	3.105	12.9	20.8

103995 2000 DX_{95} 12 30.8 247.°92 2.°9/30.4 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 27	7 9.81	+29 59.3	1.961	2.783	13.4	20.1
12 7	7 3.86	+30 29.5	1.876	2.775	10.1	19.8
12 17	6 55.26	+30 57.0	1.816	2.766	6.5	19.6
12 27	6 44.82	+31 17.3	1.783	2.758	3.3	19.4
1 6	6 33.74	+31 26.9	1.778	2.749	4.2	19.4
1 16	6 23.35	+31 24.7	1.803	2.739	7.8	19.6
1 26	6 14.89	+31 12.3	1.855	2.730	11.5	19.8
2 5	6 9.19	+30 52.5	1.929	2.721	14.7	20.0

211583 2003 SA_{183} 12 30.8 165°.86 2°.0/30.6 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
11 27	7 15.19	+27 34.2	1.923	2.737	14.0	21.3
12 7	7 7.66	+27 57.5	1.848	2.744	10.5	21.1
12 17	6 57.42	+28 18.8	1.799	2.750	6.4	20.9
12 27	6 45.40	+28 34.1	1.777	2.756	2.6	20.6
1 6	6 32.89	+28 40.3	1.786	2.760	3.5	20.7
1 16	6 21.27	+28 36.8	1.825	2.763	7.6	21.0
1 26	6 11.77	+28 25.3	1.892	2.765	11.4	21.2
2 5	6 5.15	+28 8.7	1.981	2.766	14.6	21.4

454147 2013 EU_{45} 12 30.8 185°.25 0°.5/30.8 18

11 27	7 8.40	+24 5.7	1.902	2.727	13.6	21.4
12 7	7 2.63	+24 12.6	1.824	2.727	10.2	21.1
12 17	6 54.40	+24 20.5	1.771	2.727	6.1	20.9
12 27	6 44.55	+24 26.7	1.746	2.727	1.8	20.6
1 6	6 34.22	+24 29.5	1.749	2.726	2.8	20.7
1 16	6 24.63	+24 28.2	1.782	2.726	7.2	21.0
1 26	6 16.91	+24 23.2	1.841	2.726	11.1	21.2
2 5	6 11.78	+24 16.1	1.924	2.725	14.4	21.4

88352 2001 OJ_{86} 12 30.8 90°.62 4°.1/31.6 18

11 27	7 9.43	+12 39.3	1.570	2.388	16.4	19.4
12 7	7 3.48	+12 30.5	1.511	2.403	12.6	19.1
12 17	6 54.91	+12 33.8	1.473	2.418	8.4	18.9
12 27	6 44.68	+12 49.3	1.461	2.433	4.7	18.8
1 6	6 34.07	+13 15.3	1.478	2.447	4.9	18.8
1 16	6 24.43	+13 49.3	1.521	2.462	8.5	19.1
1 26	6 16.90	+14 28.5	1.591	2.476	12.5	19.3
2 5	6 12.19	+15 10.1	1.683	2.490	15.9	19.6

409142 2003 UN_{75} 12 30.8 14°.87 5°.7/31.4 17

11 27	7 3.40	+10 8.5	1.722	2.538	15.3	20.3
12 7	6 58.88	+ 9 18.4	1.656	2.543	12.0	20.1
12 17	6 52.10	+ 8 39.9	1.612	2.548	8.6	20.0
12 27	6 43.89	+ 8 15.5	1.594	2.555	6.0	19.8
1 6	6 35.31	+ 8 6.3	1.603	2.562	6.2	19.8
1 16	6 27.48	+ 8 11.9	1.639	2.570	8.9	20.0
1 26	6 21.40	+ 8 30.2	1.700	2.578	12.2	20.2
2 5	6 17.73	+ 8 57.8	1.782	2.587	15.2	20.5

160872 2001 NS_{6} 12 30.8 250°.04 5°.9/31.3 18

11 27	7 6.64	+ 7 42.1	2.158	2.947	13.5	20.2
12 7	7 1.06	+ 6 52.2	2.063	2.931	10.9	20.0
12 17	6 53.39	+ 6 12.2	1.992	2.915	8.1	19.8
12 27	6 44.28	+ 5 44.9	1.949	2.899	6.1	19.6
1 6	6 34.62	+ 5 31.9	1.934	2.882	6.3	19.6
1 16	6 25.41	+ 5 33.6	1.947	2.865	8.6	19.7
1 26	6 17.60	+ 5 48.5	1.988	2.847	11.6	19.9
2 5	6 11.92	+ 6 14.2	2.051	2.829	14.4	20.0

449896 2015 MO_{106} 12 30.9 175°.28 0°.8/30.9 18

11 27	7 10.13	+20 11.6	1.971	2.787	13.6	22.3
12 7	7 3.79	+20 20.5	1.892	2.790	10.2	22.1
12 17	6 55.06	+20 33.6	1.838	2.792	6.2	21.8
12 27	6 44.74	+20 49.0	1.813	2.793	1.9	21.6
1 6	6 33.94	+21 4.6	1.817	2.794	2.8	21.6
1 16	6 23.84	+21 19.1	1.851	2.794	7.0	21.9
1 26	6 15.52	+21 31.9	1.912	2.794	10.9	22.1
2 5	6 9.72	+21 43.4	1.997	2.793	14.2	22.3

311324 2005 NU_{22} 12 30.9 148°.50 2°.2/30.8 18

11 27	7 12.48	+31 29.4	2.491	3.296	11.4	20.8
12 7	7 5.02	+31 22.1	2.416	3.306	8.6	20.6
12 17	6 55.54	+31 9.0	2.368	3.315	5.4	20.4
12 27	6 44.83	+30 47.8	2.349	3.324	2.6	20.2
1 6	6 33.90	+30 17.5	2.361	3.332	3.2	20.3
1 16	6 23.79	+29 39.4	2.405	3.340	6.2	20.5
1 26	6 15.38	+28 55.8	2.478	3.347	9.2	20.7
2 5	6 9.24	+28 9.8	2.576	3.353	11.8	20.9

52616 1997 UB_{20} 12 30.9 281°.79 1°.0/30.9 18

11 27	7 7.98	+21 29.8	1.869	2.694	13.9	19.1
12 7	7 2.42	+21 8.4	1.780	2.681	10.4	18.9
12 17	6 54.35	+20 48.3	1.714	2.669	6.4	18.6
12 27	6 44.57	+20 28.8	1.676	2.657	2.1	18.3
1 6	6 34.22	+20 9.6	1.667	2.644	3.0	18.3
1 16	6 24.51	+19 51.1	1.687	2.632	7.4	18.6
1 26	6 16.62	+19 34.1	1.733	2.619	11.6	18.8
2 5	6 11.33	+19 19.6	1.803	2.607	15.1	19.0

388543 2007 HF_{95} 12 30.9 40°.02 1°.2/30.6 18

11 27	7 9.03	+23 5.2	1.402	2.243	16.8	20.4
12 7	7 3.81	+23 52.3	1.340	2.250	12.5	20.1
12 17	6 55.42	+24 44.6	1.300	2.258	7.5	19.9
12 27	6 44.90	+25 36.5	1.285	2.266	2.3	19.6
1 6	6 33.75	+26 22.8	1.297	2.274	3.7	19.7
1 16	6 23.62	+26 59.8	1.336	2.283	8.8	20.0
1 26	6 15.96	+27 26.9	1.401	2.292	13.4	20.3
2 5	6 11.64	+27 45.5	1.486	2.301	17.2	20.6

473508 2015 XR_{136} 12 30.9 30°.09 1°.3/30.6 17

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
11 27	7 7.36	+24 39.7	1.886	2.713	13.6	21.3
12 7	7 1.95	+25 14.1	1.811	2.715	10.1	21.1
12 17	6 54.06	+25 50.5	1.761	2.716	6.1	20.9
12 27	6 44.49	+26 25.2	1.738	2.718	2.0	20.6
1 6	6 34.39	+26 54.6	1.744	2.720	3.1	20.7
1 16	6 24.99	+27 16.9	1.779	2.722	7.3	21.0
1 26	6 17.45	+27 31.7	1.840	2.724	11.1	21.2
2 5	6 12.51	+27 40.4	1.925	2.726	14.4	21.4

261803 2006 BJ_{261} 12 30.9 109°.04 0°.4/30.9 18

11 27	7 5.75	+21 5.9	2.254	3.072	12.0	20.7
12 7	7 0.28	+21 16.1	2.179	3.078	8.9	20.5
12 17	6 52.83	+21 29.2	2.129	3.083	5.4	20.3
12 27	6 44.11	+21 43.8	2.108	3.089	1.6	20.1
1 6	6 35.03	+21 58.0	2.117	3.094	2.4	20.1
1 16	6 26.55	+22 10.8	2.155	3.099	6.1	20.4
1 26	6 19.57	+22 21.8	2.222	3.104	9.5	20.6
2 5	6 14.70	+22 31.1	2.312	3.109	12.4	20.8

15626 2000 HR_{50} 12 30.9 26°.18 0°.4/30.9 18 R

11 27	7 1.70	+21 3.3	2.733	3.551	10.2	18.0
12 7	6 57.00	+21 10.0	2.657	3.555	7.5	17.8
12 17	6 50.75	+21 19.1	2.606	3.560	4.5	17.6
12 27	6 43.50	+21 29.4	2.585	3.566	1.4	17.4
1 6	6 35.99	+21 40.0	2.594	3.571	2.0	17.5
1 16	6 28.93	+21 49.8	2.633	3.577	5.2	17.7
1 26	6 23.05	+21 58.6	2.700	3.582	8.1	17.9
2 5	6 18.83	+22 6.4	2.793	3.589	10.5	18.1

481779 2008 SR_{114} 12 30.9 20°.32 3°.0/31.4 16

11 27	7 4.21	+15 53.7	1.051	1.908	19.9	21.2
12 7	7 0.61	+15 57.7	1.003	1.919	15.0	21.0
12 17	6 53.59	+16 15.7	0.973	1.931	9.5	20.7
12 27	6 44.38	+16 46.0	0.967	1.945	4.1	20.4
1 6	6 34.67	+17 25.1	0.984	1.961	4.6	20.5
1 16	6 26.26	+18 8.6	1.025	1.978	9.9	20.9
1 26	6 20.62	+18 53.0	1.088	1.996	14.9	21.2
2 5	6 18.53	+19 35.2	1.171	2.016	19.1	21.5

419482 2010 DW_{66} 12 30.9 142°.42 2°.1/30.9 16

11 27	7 7.83	+18 28.4	2.475	3.282	11.5	20.7
12 7	7 1.52	+17 42.4	2.397	3.287	8.6	20.5
12 17	6 53.43	+16 58.4	2.345	3.292	5.5	20.3
12 27	6 44.26	+16 17.1	2.322	3.298	2.5	20.1
1 6	6 34.84	+15 39.4	2.330	3.302	3.1	20.1
1 16	6 26.06	+15 6.4	2.370	3.307	6.1	20.3
1 26	6 18.68	+14 38.8	2.438	3.311	9.2	20.5
2 5	6 13.26	+14 16.8	2.532	3.316	11.8	20.7

325811 2010 RG_{115} 12 30.9 271°.19 5°.2/31.3 18

11 27	7 9.69	+13 8.4	1.332	2.161	18.2	21.7
12 7	7 4.30	+12 26.0	1.260	2.158	14.1	21.5
12 17	6 55.75	+11 54.8	1.209	2.155	9.6	21.2
12 27	6 45.02	+11 37.0	1.183	2.153	5.8	21.0
1 6	6 33.60	+11 33.5	1.182	2.150	6.2	21.0
1 16	6 23.11	+11 43.7	1.207	2.147	10.3	21.2
1 26	6 15.04	+12 5.4	1.256	2.144	14.8	21.5
2 5	6 10.28	+12 35.4	1.325	2.142	18.9	21.7

82690 2001 PB_{34} 12 30.9 158°.57 2°.5/31.1 18

11 27	7 10.83	+17 34.3	1.809	2.624	14.6	19.3
12 7	7 4.37	+17 9.2	1.735	2.630	11.1	19.1
12 17	6 55.42	+16 49.1	1.685	2.635	7.0	18.9
12 27	6 44.87	+16 34.1	1.662	2.639	3.1	18.6
1 6	6 33.90	+16 23.9	1.669	2.643	3.7	18.7
1 16	6 23.76	+16 18.4	1.705	2.646	7.7	18.9
1 26	6 15.55	+16 17.4	1.768	2.649	11.6	19.2
2 5	6 9.99	+16 20.5	1.854	2.651	15.0	19.4

240857 2006 BM_{195} 12 30.9 122°.35 2°.6/31.3 18

11 27	7 9.05	+16 3.4	1.776	2.593	14.8	20.8
12 7	7 3.07	+15 57.5	1.707	2.602	11.2	20.6
12 17	6 54.66	+15 59.3	1.662	2.611	7.1	20.4
12 27	6 44.66	+16 8.3	1.643	2.620	3.3	20.2
1 6	6 34.26	+16 23.1	1.654	2.628	3.7	20.2
1 16	6 24.66	+16 42.2	1.693	2.636	7.6	20.5
1 26	6 16.98	+17 4.0	1.759	2.644	11.5	20.7
2 5	6 11.90	+17 27.5	1.848	2.651	14.9	21.0

11199 1999 CC_{82} 12 30.9 131°.86 2°.4/30.6 18

11 27	7 10.68	+30 22.0	2.214	3.028	12.4	17.9
12 7	7 3.99	+30 32.2	2.143	3.038	9.3	17.7
12 17	6 55.07	+30 37.9	2.098	3.048	5.8	17.5
12 27	6 44.76	+30 36.2	2.081	3.057	2.8	17.3
1 6	6 34.14	+30 25.4	2.095	3.066	3.5	17.4
1 16	6 24.33	+30 5.6	2.138	3.075	6.7	17.6
1 26	6 16.34	+29 38.8	2.210	3.083	10.0	17.8
2 5	6 10.78	+29 8.1	2.305	3.091	12.8	18.0

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
337515 2001 SY_{146}			12 30.9	86°.61	1°.4/31.1	16
	h m	° ′			°	m
11 27	7 11.66	+19 19.2	1.560	2.386	16.1	22.0
12 7	7 5.14	+19 19.0	1.505	2.407	12.0	21.8
12 17	6 55.91	+19 24.4	1.473	2.427	7.3	21.6
12 27	6 45.00	+19 33.5	1.468	2.448	2.5	21.4
1 6	6 33.81	+19 44.4	1.491	2.468	3.3	21.5
1 16	6 23.74	+19 55.9	1.542	2.488	7.9	21.8
1 26	6 15.95	+20 7.3	1.620	2.507	12.1	22.1
2 5	6 11.12	+20 18.6	1.719	2.526	15.6	22.3
373908 2003 UG_{75}			12 30.9	89°.23	4°.7/30.5	18
11 27	7 16.50	+32 49.3	1.382	2.213	17.5	21.1
12 7	7 9.44	+33 23.6	1.328	2.228	13.3	20.9
12 17	6 58.79	+33 50.2	1.295	2.244	8.8	20.7
12 27	6 45.85	+34 2.0	1.288	2.260	5.1	20.5
1 6	6 32.51	+33 55.0	1.308	2.275	5.9	20.6
1 16	6 20.68	+33 30.0	1.354	2.290	9.9	20.9
1 26	6 11.91	+32 52.0	1.425	2.305	14.0	21.2
2 5	6 6.94	+32 7.2	1.517	2.319	17.6	21.5
216489 1999 VE_{202}			12 30.9	77°.72	0°.3/30.9	18
11 27	7 14.47	+23 1.7	1.369	2.202	17.5	19.8
12 7	7 7.47	+22 48.6	1.320	2.225	13.0	19.6
12 17	6 57.36	+22 36.8	1.292	2.249	7.8	19.4
12 27	6 45.41	+22 24.4	1.290	2.272	2.2	19.1
1 6	6 33.27	+22 10.2	1.316	2.294	3.4	19.2
1 16	6 22.55	+21 54.6	1.370	2.317	8.6	19.6
1 26	6 14.55	+21 39.2	1.449	2.339	13.1	19.9
2 5	6 9.91	+21 25.4	1.549	2.361	16.8	20.2
273778 2007 EH_{207}			12 30.9	197°.13	4°.2/31.5	18
11 27	7 8.87	+11 41.8	1.922	2.725	14.4	21.2
12 7	7 2.89	+11 24.2	1.840	2.723	11.2	21.0
12 17	6 54.57	+11 16.8	1.781	2.720	7.7	20.8
12 27	6 44.68	+11 20.5	1.749	2.716	4.7	20.6
1 6	6 34.26	+11 34.8	1.747	2.712	4.9	20.6
1 16	6 24.46	+11 58.5	1.773	2.708	8.0	20.8
1 26	6 16.35	+12 29.4	1.826	2.702	11.6	21.0
2 5	6 10.68	+13 5.1	1.903	2.697	14.8	21.2
42996 1999 TB_{291}			12 30.9	174°.54	6°.0/31.9	18
11 27	7 6.90	+ 5 36.2	2.209	2.988	13.5	18.9
12 7	7 1.08	+ 5 1.9	2.131	2.991	10.9	18.7
12 17	6 53.32	+ 4 40.3	2.076	2.993	8.2	18.5
12 27	6 44.30	+ 4 33.6	2.049	2.994	6.3	18.4
1 6	6 34.89	+ 4 42.1	2.050	2.995	6.3	18.4
1 16	6 26.04	+ 5 5.0	2.081	2.996	8.3	18.5
1 26	6 18.62	+ 5 39.9	2.138	2.996	11.0	18.7
2 5	6 13.25	+ 6 23.4	2.218	2.995	13.5	18.9
251417 2008 AX_{60}			12 30.9	143°.90	0°.8/30.8	18
11 27	7 10.26	+26 12.7	2.190	3.005	12.4	20.5
12 7	7 3.65	+26 6.2	2.116	3.013	9.2	20.3
12 17	6 54.86	+25 57.7	2.067	3.021	5.6	20.1
12 27	6 44.73	+25 45.5	2.047	3.028	1.8	19.9
1 6	6 34.28	+25 28.4	2.058	3.034	2.6	20.0
1 16	6 24.62	+25 7.0	2.099	3.041	6.4	20.2
1 26	6 16.69	+24 42.7	2.168	3.047	9.9	20.4
2 5	6 11.11	+24 17.4	2.261	3.052	12.9	20.7
453177 2008 EF_{38}			12 30.9	183°.10	1°.0/30.6	17
11 27	7 7.89	+24 42.3	2.151	2.971	12.5	22.0
12 7	7 2.10	+25 10.6	2.072	2.972	9.3	21.8
12 17	6 54.07	+25 40.1	2.017	2.972	5.6	21.5
12 27	6 44.54	+26 7.9	1.991	2.971	1.8	21.3
1 6	6 34.53	+26 31.1	1.995	2.971	2.8	21.4
1 16	6 25.12	+26 48.1	2.029	2.970	6.6	21.6
1 26	6 17.35	+26 59.0	2.090	2.969	10.2	21.8
2 5	6 11.93	+27 4.8	2.175	2.968	13.2	22.0
332956 2011 EO_{9}			12 30.9	344°.79	3°.4/30.4	18
11 27	7 7.84	+32 40.7	2.219	3.037	12.2	21.2
12 7	7 2.11	+33 5.1	2.141	3.036	9.3	21.0
12 17	6 54.07	+33 24.5	2.089	3.035	6.1	20.8
12 27	6 44.53	+33 34.9	2.064	3.034	3.6	20.6
1 6	6 34.56	+33 34.0	2.068	3.034	4.3	20.7
1 16	6 25.29	+33 21.3	2.102	3.033	7.2	20.8
1 26	6 17.77	+32 58.7	2.162	3.033	10.3	21.0
2 5	6 12.67	+32 29.3	2.246	3.032	13.1	21.2
165817 2001 RU_{101}			12 30.9	151°.19	4°.5/ 1.3	18
11 27	7 2.82	+ 5 56.2	2.806	3.581	11.0	20.6
12 7	6 57.73	+ 5 49.9	2.727	3.587	8.8	20.5
12 17	6 51.17	+ 5 54.6	2.673	3.592	6.5	20.3
12 27	6 43.68	+ 6 11.0	2.648	3.596	4.8	20.2
1 6	6 35.91	+ 6 38.5	2.651	3.601	4.7	20.2
1 16	6 28.55	+ 7 15.8	2.685	3.605	6.4	20.3
1 26	6 22.26	+ 8 0.5	2.748	3.609	8.7	20.5
2 5	6 17.53	+ 8 50.0	2.835	3.613	10.9	20.6

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
101137 1998 RV_{64}			12 30.9	88°.41	0°.1/30.9	18
	h m	° ′			°	m
11 27	7 14.58	+22 5.3	1.583	2.406	16.0	20.5
12 7	7 7.21	+22 16.0	1.534	2.435	11.8	20.3
12 17	6 57.09	+22 29.4	1.509	2.464	7.1	20.1
12 27	6 45.34	+22 42.6	1.512	2.493	2.0	19.8
1 6	6 33.43	+22 53.0	1.543	2.520	3.1	20.0
1 16	6 22.77	+22 59.7	1.603	2.547	7.8	20.3
1 26	6 14.52	+23 3.4	1.689	2.574	11.9	20.6
2 5	6 9.31	+23 5.2	1.798	2.600	15.3	20.9
436773 2012 JS_{64}			12 30.9	176°.71	0°.3/30.9	15
11 27	7 12.43	+21 18.8	1.920	2.735	14.0	22.7
12 7	7 5.61	+21 31.2	1.841	2.738	10.4	22.5
12 17	6 56.24	+21 47.0	1.787	2.740	6.3	22.2
12 27	6 45.17	+22 3.7	1.761	2.742	1.8	21.9
1 6	6 33.58	+22 19.1	1.765	2.742	2.8	22.0
1 16	6 22.73	+22 31.6	1.799	2.742	7.2	22.3
1 26	6 13.79	+22 41.3	1.861	2.741	11.2	22.5
2 5	6 7.51	+22 48.8	1.946	2.739	14.6	22.8
335215 2005 EJ_{256}			12 30.9	284°.56	0°.5/30.9	18
11 27	7 8.18	+26 17.4	2.342	3.158	11.7	20.0
12 7	7 2.23	+25 56.0	2.239	3.137	8.8	19.7
12 17	6 54.14	+25 31.6	2.161	3.115	5.4	19.5
12 27	6 44.58	+25 2.9	2.113	3.093	1.6	19.2
1 6	6 34.51	+24 29.5	2.095	3.072	2.5	19.2
1 16	6 24.96	+23 52.1	2.107	3.050	6.4	19.4
1 26	6 16.92	+23 12.7	2.148	3.028	9.9	19.6
2 5	6 11.10	+22 33.4	2.214	3.006	13.1	19.8
436813 2012 RU_{15}			12 30.9	169°.14	3°.3/31.3	18
11 27	7 10.73	+14 23.6	2.044	2.846	13.7	21.7
12 7	7 4.06	+13 58.4	1.966	2.852	10.5	21.5
12 17	6 55.17	+13 40.1	1.913	2.856	6.9	21.3
12 27	6 44.85	+13 29.2	1.888	2.860	3.8	21.1
1 6	6 34.13	+13 25.7	1.894	2.863	4.1	21.1
1 16	6 24.11	+13 29.0	1.929	2.865	7.4	21.3
1 26	6 15.78	+13 38.4	1.992	2.866	10.9	21.6
2 5	6 9.81	+13 52.5	2.079	2.866	14.0	21.8
230629 2003 HR_{55}			12 30.9	315°.70	3°.8/30.2	18
11 27	7 8.47	+28 56.0	1.345	2.191	17.0	19.9
12 7	7 4.09	+29 42.4	1.261	2.172	13.0	19.6
12 17	6 56.05	+30 29.1	1.198	2.154	8.3	19.3
12 27	6 45.27	+31 9.2	1.160	2.137	4.2	19.0
1 6	6 33.33	+31 36.2	1.148	2.120	5.5	19.1
1 16	6 22.17	+31 46.8	1.161	2.103	10.3	19.3
1 26	6 13.66	+31 42.3	1.197	2.088	15.3	19.5
2 5	6 8.96	+31 26.9	1.253	2.073	19.6	19.8
445600 2011 SM_{84}			12 30.9	46°.25	6°.6/29.8	18
11 27	7 12.33	+37 18.0	1.629	2.452	15.7	20.6
12 7	7 6.33	+38 22.1	1.569	2.460	12.3	20.4
12 17	6 57.00	+39 16.9	1.531	2.468	8.9	20.2
12 27	6 45.43	+39 54.2	1.519	2.476	6.8	20.1
1 6	6 33.25	+40 8.8	1.534	2.484	7.4	20.1
1 16	6 22.22	+40 0.2	1.575	2.492	10.3	20.3
1 26	6 13.84	+39 32.2	1.640	2.501	13.5	20.5
2 5	6 8.96	+38 51.3	1.726	2.510	16.5	20.8
129286 2005 SW_{6}			12 30.9	19°.46	1°.6/30.7	18
11 27	7 7.79	+25 49.4	1.109	1.967	19.0	19.6
12 7	7 3.46	+26 2.8	1.055	1.973	14.2	19.3
12 17	6 55.43	+26 16.5	1.020	1.981	8.6	19.0
12 27	6 44.99	+26 25.9	1.009	1.990	2.8	18.7
1 6	6 33.99	+26 27.5	1.022	2.000	4.2	18.8
1 16	6 24.38	+26 20.8	1.060	2.011	9.9	19.2
1 26	6 17.77	+26 7.7	1.121	2.023	15.0	19.5
2 5	6 14.98	+25 51.1	1.200	2.037	19.2	19.8
448479 2010 GU_{119}			12 30.9	138°.79	10°.6/ 3.3	16
11 27	7 7.15	−14 24.0	2.677	3.333	14.2	22.6
12 7	7 0.92	−15 24.4	2.620	3.350	12.8	22.5
12 17	6 53.07	−16 3.3	2.582	3.367	11.6	22.4
12 27	6 44.24	−16 17.0	2.568	3.382	10.8	22.4
1 6	6 35.16	−16 4.1	2.579	3.396	10.6	22.4
1 16	6 26.63	−15 25.8	2.614	3.410	11.1	22.4
1 26	6 19.36	−14 25.6	2.673	3.423	12.1	22.5
2 5	6 13.84	−13 9.0	2.753	3.434	13.3	22.7
215323 2001 TW_{172}			12 30.9	86°.96	3°.5/31.5	18
11 27	7 6.72	+13 15.8	1.932	2.743	14.0	20.6
12 7	7 1.15	+13 4.3	1.867	2.756	10.7	20.4
12 17	6 53.43	+13 2.1	1.824	2.768	7.1	20.2
12 27	6 44.37	+13 9.4	1.810	2.781	4.0	20.1
1 6	6 34.98	+13 25.2	1.823	2.793	4.2	20.1
1 16	6 26.32	+13 47.9	1.866	2.805	7.4	20.3
1 26	6 19.35	+14 15.7	1.936	2.817	10.8	20.6
2 5	6 14.69	+14 46.5	2.029	2.829	13.8	20.8

47806 2000 EV_{65} 12 30.9 54°.30 0°.4/30.8 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
11 27	7 5.61	+23 33.7	2.228	3.050	12.0	19.1
12 7	7 0.28	+23 45.4	2.152	3.053	8.9	18.9
12 17	6 52.92	+23 58.4	2.101	3.056	5.4	18.7
12 27	6 44.23	+24 10.7	2.078	3.059	1.5	18.4
1 6	6 35.17	+24 20.5	2.085	3.062	2.5	18.5
1 16	6 26.72	+24 26.9	2.122	3.066	6.2	18.7
1 26	6 19.80	+24 29.9	2.186	3.069	9.6	19.0
2 5	6 15.04	+24 30.4	2.274	3.072	12.6	19.2

369180 2008 SG_{196} 12 30.9 80°.46 3°.9/31.6 17

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 27	7 3.98	+11 21.3	2.325	3.126	12.3	21.4
12 7	6 58.85	+10 57.5	2.252	3.133	9.5	21.3
12 17	6 51.95	+10 42.3	2.204	3.140	6.6	21.1
12 27	6 43.95	+10 36.6	2.183	3.147	4.2	21.0
1 6	6 35.65	+10 40.2	2.192	3.155	4.4	21.0
1 16	6 27.91	+10 52.5	2.230	3.162	6.8	21.2
1 26	6 21.51	+11 12.0	2.296	3.169	9.7	21.3
2 5	6 17.01	+11 36.6	2.385	3.177	12.3	21.5

136518 Opitz 12 30.9 154°.83 3°.5/31.6 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 27	7 6.13	+11 4.4	2.668	3.456	11.2	21.9
12 7	7 0.21	+10 47.6	2.591	3.465	8.7	21.8
12 17	6 52.69	+10 38.7	2.540	3.474	6.0	21.6
12 27	6 44.15	+10 38.1	2.518	3.482	3.8	21.5
1 6	6 35.35	+10 45.5	2.527	3.489	3.9	21.5
1 16	6 27.04	+11 0.1	2.566	3.496	6.2	21.6
1 26	6 19.95	+11 20.6	2.634	3.501	8.8	21.8
2 5	6 14.59	+11 45.4	2.728	3.507	11.2	22.0

4278 Harvey 12 30.9 57°.50 3°.4/31.5 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 27	7 10.29	+14 31.1	1.215	2.051	19.1	16.7
12 7	7 4.71	+14 35.6	1.166	2.070	14.5	16.4
12 17	6 55.92	+14 53.8	1.138	2.090	9.3	16.2
12 27	6 45.12	+15 24.2	1.133	2.109	4.4	16.0
1 6	6 33.94	+16 3.5	1.155	2.129	4.7	16.1
1 16	6 24.06	+16 47.8	1.202	2.150	9.4	16.4
1 26	6 16.84	+17 33.5	1.274	2.170	14.1	16.7
2 5	6 13.02	+18 18.0	1.366	2.191	18.0	17.0

411000 2009 UM_{44} 12 30.9 94°.80 1°.3/30.6 16

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 27	7 7.53	+26 6.4	2.203	3.023	12.2	21.6
12 7	7 1.70	+26 29.8	2.135	3.034	9.1	21.5
12 17	6 53.77	+26 52.8	2.092	3.046	5.5	21.3
12 27	6 44.49	+27 12.6	2.078	3.057	2.0	21.0
1 6	6 34.87	+27 26.7	2.093	3.068	2.8	21.1
1 16	6 25.95	+27 34.4	2.138	3.079	6.4	21.4
1 26	6 18.67	+27 35.9	2.212	3.090	9.7	21.6
2 5	6 13.67	+27 32.9	2.308	3.101	12.6	21.8

334312 2001 VT_{125} 12 30.9 51°.74 0°.5/30.8 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 27	7 11.92	+23 36.4	1.254	2.097	18.2	20.9
12 7	7 5.86	+23 48.0	1.210	2.121	13.4	20.7
12 17	6 56.54	+24 1.8	1.188	2.146	8.0	20.5
12 27	6 45.27	+24 13.9	1.190	2.172	2.3	20.2
1 6	6 33.77	+24 21.4	1.219	2.197	3.6	20.4
1 16	6 23.75	+24 23.7	1.275	2.223	8.9	20.8
1 26	6 16.55	+24 21.7	1.354	2.249	13.5	21.1
2 5	6 12.80	+24 17.2	1.455	2.276	17.3	21.4

410157 2007 JO_5 12 30.9 117°.73 4°.0/31.5 17

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 27	7 4.93	+11 19.8	2.262	3.062	12.6	21.4
12 7	6 59.61	+10 54.0	2.187	3.068	9.8	21.3
12 17	6 52.44	+10 37.1	2.137	3.073	6.8	21.1
12 27	6 44.11	+10 29.8	2.114	3.078	4.4	21.0
1 6	6 35.46	+10 32.3	2.121	3.084	4.5	21.0
1 16	6 27.37	+10 43.7	2.157	3.089	7.0	21.1
1 26	6 20.68	+11 2.7	2.220	3.094	10.0	21.3
2 5	6 15.95	+11 27.2	2.308	3.098	12.6	21.5

342203 2008 SS_{220} 12 30.9 84°.41 1°.3/31.1 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 27	7 11.66	+19 27.7	1.590	2.415	15.9	21.4
12 7	7 5.12	+19 27.0	1.536	2.437	11.8	21.2
12 17	6 55.92	+19 31.6	1.505	2.459	7.2	21.0
12 27	6 45.10	+19 39.7	1.501	2.480	2.5	20.7
1 6	6 34.01	+19 49.4	1.525	2.502	3.2	20.8
1 16	6 24.03	+19 59.5	1.578	2.523	7.8	21.2
1 26	6 16.30	+20 9.6	1.657	2.544	11.9	21.4
2 5	6 11.47	+20 19.7	1.758	2.564	15.3	21.7

100724 1998 BM_{38} 12 30.9 235°.09 0°.1/30.9 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 27	7 7.09	+21 51.8	1.980	2.804	13.2	20.2
12 7	7 1.64	+22 3.6	1.901	2.803	9.9	20.0
12 17	6 53.87	+22 18.5	1.847	2.802	6.0	19.7
12 27	6 44.56	+22 34.3	1.820	2.801	1.7	19.5
1 6	6 34.76	+22 49.0	1.822	2.800	2.7	19.5
1 16	6 25.61	+23 1.3	1.854	2.799	6.9	19.8
1 26	6 18.18	+23 10.8	1.913	2.798	10.7	20.0
2 5	6 13.18	+23 18.1	1.995	2.797	13.9	20.2

450702 2006 WK_{161} 12 30.9 135°.01 2°.5/30.3 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
11 27	7 10.14	+28 34.6	2.258	3.073	12.1	21.4
12 7	7 3.70	+29 20.2	2.189	3.084	9.1	21.3
12 17	6 55.01	+30 4.3	2.145	3.095	5.7	21.1
12 27	6 44.87	+30 42.7	2.130	3.105	2.8	20.9
1 6	6 34.30	+31 12.0	2.145	3.115	3.6	21.0
1 16	6 24.41	+31 30.7	2.191	3.124	6.8	21.2
1 26	6 16.22	+31 39.5	2.264	3.133	10.0	21.4
2 5	6 10.40	+31 40.3	2.362	3.142	12.7	21.6

256858 2008 CY_{201} 12 30.9 180°.81 0°.2/30.9 17

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 27	7 7.56	+23 11.6	2.012	2.835	13.1	21.5
12 7	7 1.95	+23 22.4	1.934	2.835	9.7	21.3
12 17	6 54.04	+23 35.0	1.880	2.835	5.9	21.1
12 27	6 44.60	+23 47.2	1.854	2.835	1.7	20.8
1 6	6 34.70	+23 56.8	1.857	2.835	2.7	20.9
1 16	6 25.47	+24 3.0	1.890	2.835	6.8	21.2
1 26	6 17.96	+24 5.8	1.950	2.835	10.6	21.4
2 5	6 12.88	+24 6.1	2.034	2.834	13.8	21.6

411161 2010 BM_{88} 12 30.9 353°.81 5°.2/30.1 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 27	7 8.57	+35 45.0	1.854	2.677	14.0	20.5
12 7	7 3.21	+36 27.8	1.781	2.674	10.9	20.3
12 17	6 55.02	+37 3.1	1.731	2.672	7.7	20.1
12 27	6 44.91	+37 25.1	1.707	2.670	5.4	19.9
1 6	6 34.22	+37 30.0	1.712	2.669	6.0	20.0
1 16	6 24.39	+37 17.0	1.743	2.668	8.9	20.1
1 26	6 16.73	+36 48.9	1.800	2.667	12.2	20.3
2 5	6 12.04	+36 10.5	1.878	2.667	15.2	20.5

32202 2000 OA_3 12 30.9 183°.72 1°.6/30.7 18 R

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 27	7 8.85	+27 21.8	2.081	2.902	12.8	19.0
12 7	7 2.89	+27 33.9	2.002	2.902	9.6	18.8
12 17	6 54.59	+27 44.1	1.948	2.902	5.9	18.5
12 27	6 44.76	+27 49.8	1.923	2.902	2.2	18.3
1 6	6 34.48	+27 48.7	1.926	2.901	3.1	18.3
1 16	6 24.92	+27 40.5	1.960	2.901	6.9	18.6
1 26	6 17.12	+27 26.4	2.020	2.900	10.5	18.8
2 5	6 11.80	+27 8.5	2.104	2.899	13.6	19.0

445641 2011 UQ_5 12 30.9 8°.95 2°.0/31.1 17

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 27	7 5.30	+18 52.4	1.370	2.214	16.9	20.7
12 7	7 1.00	+18 40.9	1.305	2.215	12.7	20.5
12 17	6 53.76	+18 36.1	1.261	2.218	7.9	20.2
12 27	6 44.56	+18 37.3	1.242	2.221	3.0	19.9
1 6	6 34.82	+18 43.1	1.249	2.226	3.8	20.0
1 16	6 26.05	+18 52.2	1.282	2.231	8.7	20.3
1 26	6 19.58	+19 3.7	1.339	2.238	13.3	20.6
2 5	6 16.19	+19 16.7	1.416	2.245	17.2	20.8

361826 2008 CB_{177} 12 30.9 332°.76 6°.2/ 1.6 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 27	7 5.05	+ 5 34.0	1.776	2.573	15.7	20.7
12 7	7 0.25	+ 5 30.1	1.697	2.569	12.6	20.4
12 17	6 53.12	+ 5 44.0	1.640	2.566	9.3	20.2
12 27	6 44.38	+ 6 17.2	1.609	2.563	6.7	20.1
1 6	6 35.08	+ 7 8.7	1.604	2.560	6.5	20.1
1 16	6 26.37	+ 8 15.1	1.627	2.557	9.0	20.2
1 26	6 19.34	+ 9 31.6	1.677	2.555	12.3	20.4
2 5	6 14.75	+10 53.0	1.749	2.553	15.5	20.6

288581 2004 HV_{65} 12 30.9 179°.94 0°.7/30.8 17

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 27	7 8.37	+24 40.9	2.081	2.902	12.8	21.9
12 7	7 2.51	+24 52.4	2.002	2.902	9.5	21.6
12 17	6 54.36	+25 4.4	1.948	2.903	5.8	21.4
12 27	6 44.71	+25 14.3	1.922	2.903	1.8	21.2
1 6	6 34.60	+25 20.2	1.926	2.903	2.7	21.2
1 16	6 25.17	+25 21.3	1.959	2.902	6.7	21.5
1 26	6 17.45	+25 18.1	2.020	2.902	10.4	21.7
2 5	6 12.13	+25 12.0	2.105	2.901	13.5	21.9

105968 2000 SS_{260} 12 30.9 91°.07 3°.6/30.1 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 27	7 11.36	+31 41.1	2.164	2.978	12.6	19.3
12 7	7 4.64	+32 37.1	2.109	3.002	9.5	19.1
12 17	6 55.58	+33 28.9	2.079	3.025	6.3	19.0
12 27	6 45.03	+34 11.3	2.078	3.047	3.8	18.9
1 6	6 34.15	+34 40.7	2.107	3.070	4.5	18.9
1 16	6 24.11	+34 56.1	2.165	3.092	7.3	19.2
1 26	6 15.96	+34 58.8	2.251	3.113	10.3	19.4
2 5	6 10.35	+34 52.0	2.360	3.134	12.9	19.6

293364 2007 EQ_5 12 30.9 32°.70 0°.1/30.9 17

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 27	7 6.93	+23 8.6	1.900	2.727	13.6	21.1
12 7	7 1.56	+23 15.2	1.827	2.730	10.1	20.8
12 17	6 53.84	+23 23.5	1.778	2.734	6.1	20.6
12 27	6 44.56	+23 31.4	1.756	2.737	1.7	20.3
1 6	6 34.86	+23 37.2	1.763	2.740	2.7	20.4
1 16	6 25.89	+23 39.8	1.798	2.744	7.0	20.7
1 26	6 18.73	+23 39.7	1.861	2.748	10.8	20.9
2 5	6 14.08	+23 37.6	1.946	2.752	14.1	21.1

366590 2002 TA_{317} 12 30.9 100°.06 1°.3/31.1 17

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
11 27	7 5.86	+19 38.2	2.361	3.175	11.7	21.4
12 7	7 0.25	+19 20.9	2.288	3.183	8.7	21.2
12 17	6 52.81	+19 6.4	2.239	3.191	5.4	21.0
12 27	6 44.24	+18 54.1	2.220	3.199	2.0	20.8
1 6	6 35.39	+18 43.9	2.231	3.206	2.6	20.9
1 16	6 27.15	+18 35.6	2.271	3.214	6.0	21.1
1 26	6 20.34	+18 29.2	2.340	3.221	9.2	21.3
2 5	6 15.52	+18 24.9	2.434	3.229	11.9	21.5

347174 2011 FO_{134} 12 30.9 85°.24 4°.7/30.5 18

11 27	7 15.21	+33 13.8	1.479	2.307	16.7	20.9
12 7	7 8.40	+33 49.6	1.423	2.322	12.7	20.6
12 17	6 58.19	+34 17.8	1.388	2.336	8.5	20.4
12 27	6 45.81	+34 31.6	1.380	2.350	5.1	20.3
1 6	6 33.00	+34 27.2	1.398	2.364	5.8	20.4
1 16	6 21.57	+34 5.1	1.444	2.378	9.6	20.6
1 26	6 12.98	+33 29.6	1.514	2.391	13.5	20.9
2 5	6 7.98	+32 46.7	1.606	2.405	16.9	21.1

380510 2004 FF_{8} 12 30.9 5°.04 2°.3/30.5 18

11 27	7 9.27	+25 42.2	1.243	2.092	17.9	20.3
12 7	7 4.52	+26 22.1	1.178	2.092	13.5	20.0
12 17	6 56.18	+27 4.6	1.133	2.092	8.3	19.7
12 27	6 45.32	+27 43.5	1.113	2.093	3.1	19.4
1 6	6 33.66	+28 13.1	1.118	2.094	4.5	19.5
1 16	6 23.10	+28 30.8	1.149	2.096	9.8	19.8
1 26	6 15.35	+28 37.3	1.203	2.099	14.8	20.1
2 5	6 11.36	+28 35.5	1.277	2.102	19.0	20.4

396607 2001 RB_{147} 12 30.9 96°.96 2°.8/31.2 18

11 27	7 9.47	+16 14.7	2.060	2.869	13.4	21.0
12 7	7 2.95	+15 38.9	2.000	2.889	10.1	20.9
12 17	6 54.42	+15 8.5	1.964	2.910	6.5	20.7
12 27	6 44.68	+14 44.1	1.956	2.930	3.3	20.5
1 6	6 34.76	+14 25.9	1.979	2.949	3.7	20.6
1 16	6 25.67	+14 14.1	2.031	2.968	6.9	20.8
1 26	6 18.28	+14 8.5	2.111	2.987	10.2	21.1
2 5	6 13.16	+14 8.1	2.214	3.005	13.1	21.3

416804 2005 GP_{128} 12 30.9 168°.08 1°.5/31.3 14 CR

11 27	7 6.75	+16 24.4	3.438	4.228	8.9	25.1
12 7	7 0.41	+16 26.3	3.354	4.235	6.7	25.0
12 17	6 52.73	+16 32.0	3.297	4.242	4.2	24.8
12 27	6 44.22	+16 40.9	3.272	4.247	1.9	24.6
1 6	6 35.47	+16 52.1	3.279	4.252	2.2	24.7
1 16	6 27.09	+17 5.0	3.319	4.255	4.6	24.8
1 26	6 19.69	+17 19.0	3.389	4.258	7.0	25.0
2 5	6 13.71	+17 33.6	3.487	4.260	9.1	25.2

18859 1999 RM_{130} 12 30.9 285°.80 2°.2/30.6 18

11 27	7 8.36	+28 59.9	2.019	2.843	13.0	18.1
12 7	7 2.77	+29 13.0	1.930	2.830	9.8	17.8
12 17	6 54.68	+29 23.4	1.864	2.817	6.2	17.6
12 27	6 44.86	+29 27.5	1.826	2.804	2.7	17.3
1 6	6 34.44	+29 23.1	1.818	2.791	3.6	17.4
1 16	6 24.65	+29 9.6	1.838	2.778	7.3	17.6
1 26	6 16.67	+28 48.5	1.885	2.765	11.1	17.8
2 5	6 11.28	+28 22.6	1.955	2.752	14.4	18.0

494644 2017 DE_{73} 12 30.9 334°.83 1°.1/30.8 17

11 27	7 6.58	+25 3.2	1.507	2.349	15.7	21.2
12 7	7 2.06	+25 16.4	1.428	2.338	11.8	20.9
12 17	6 54.52	+25 30.8	1.370	2.328	7.2	20.6
12 27	6 44.86	+25 43.0	1.338	2.319	2.3	20.3
1 6	6 34.45	+25 50.1	1.333	2.310	3.5	20.4
1 16	6 24.85	+25 50.7	1.355	2.303	8.5	20.7
1 26	6 17.48	+25 45.5	1.401	2.295	13.2	20.9
2 5	6 13.26	+25 36.5	1.468	2.289	17.1	21.1

156926 2003 FQ_{61} 12 30.9 201°.05 0°.4/30.9 18 R

11 27	7 10.16	+20 57.1	1.962	2.780	13.6	21.1
12 7	7 3.99	+21 9.2	1.879	2.776	10.2	20.8
12 17	6 55.36	+21 25.1	1.819	2.773	6.2	20.6
12 27	6 45.05	+21 42.7	1.788	2.768	1.9	20.3
1 6	6 34.17	+21 59.8	1.786	2.763	2.8	20.4
1 16	6 23.93	+22 14.8	1.814	2.758	7.1	20.6
1 26	6 15.47	+22 27.4	1.870	2.752	11.1	20.8
2 5	6 9.55	+22 37.9	1.949	2.745	14.4	21.1

521867 2015 TY_{377} 12 30.9 21°.81 0°.3/30.9 17

11 27	7 8.10	+23 49.4	1.585	2.420	15.4	21.3
12 7	7 2.83	+23 49.6	1.516	2.424	11.5	21.0
12 17	6 54.77	+23 51.1	1.470	2.427	6.9	20.8
12 27	6 44.88	+23 51.3	1.450	2.432	2.0	20.5
1 6	6 34.51	+23 48.5	1.458	2.436	3.1	20.6
1 16	6 25.07	+23 42.3	1.494	2.441	7.9	20.9
1 26	6 17.81	+23 33.4	1.554	2.446	12.3	21.1
2 5	6 13.50	+23 23.4	1.637	2.452	15.9	21.4

91430 1999 RL 12 30.9 32°.56 1°.0/30.7 17

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
11 27	7 6.86	+24 33.5	1.883	2.711	13.6	19.0
12 7	7 1.59	+24 56.9	1.812	2.716	10.1	18.8
12 17	6 53.90	+25 21.7	1.764	2.720	6.1	18.6
12 27	6 44.63	+25 44.7	1.744	2.725	1.9	18.3
1 6	6 34.89	+26 3.3	1.753	2.730	3.0	18.4
1 16	6 25.89	+26 15.9	1.791	2.735	7.1	18.7
1 26	6 18.74	+26 22.8	1.855	2.741	10.9	18.9
2 5	6 14.14	+26 25.0	1.942	2.747	14.2	19.1

448004 2008 DR_{2} 12 30.9 38°.20 5°.5/ 1.3 18

11 27	7 5.52	+ 7 48.2	1.761	2.565	15.5	20.9
12 7	7 0.56	+ 7 41.9	1.690	2.569	12.3	20.7
12 17	6 53.28	+ 7 51.2	1.640	2.573	8.8	20.5
12 27	6 44.45	+ 8 17.2	1.617	2.577	6.0	20.4
1 6	6 35.16	+ 8 58.6	1.621	2.581	5.9	20.4
1 16	6 26.54	+ 9 52.4	1.653	2.586	8.6	20.5
1 26	6 19.66	+10 54.6	1.710	2.591	12.0	20.8
2 5	6 15.23	+12 0.8	1.791	2.596	15.2	21.0

111442 2001 XX_{233} 12 30.9 268°.45 2°.2/30.3 18

11 27	7 8.73	+27 32.5	2.216	3.034	12.2	19.9
12 7	7 3.03	+28 15.1	2.115	3.013	9.2	19.6
12 17	6 54.89	+28 58.4	2.039	2.991	5.8	19.4
12 27	6 44.97	+29 38.3	1.991	2.968	2.6	19.1
1 6	6 34.27	+30 10.9	1.973	2.945	3.6	19.2
1 16	6 23.95	+30 34.0	1.986	2.922	7.2	19.3
1 26	6 15.18	+30 47.2	2.026	2.899	10.8	19.5
2 5	6 8.83	+30 52.3	2.089	2.875	14.0	19.7

418839 2008 WM_{33} 12 30.9 28°.06 4°.1/30.1 18

11 27	7 7.87	+34 0.2	2.214	3.031	12.3	20.9
12 7	7 2.25	+34 43.6	2.141	3.033	9.4	20.7
12 17	6 54.27	+35 21.8	2.093	3.035	6.4	20.5
12 27	6 44.74	+35 50.0	2.072	3.038	4.3	20.4
1 6	6 34.73	+36 5.0	2.081	3.040	4.9	20.4
1 16	6 25.41	+36 5.8	2.118	3.043	7.6	20.6
1 26	6 17.86	+35 54.0	2.182	3.046	10.5	20.8
2 5	6 12.78	+35 32.9	2.269	3.049	13.2	21.0

337918 2001 XZ_{167} 12 30.9 18°.31 1°.9/31.2 17

11 27	7 5.92	+18 10.1	1.153	2.005	18.8	20.3
12 7	7 1.87	+18 15.7	1.097	2.011	14.2	20.0
12 17	6 54.47	+18 31.4	1.060	2.018	8.8	19.7
12 27	6 44.84	+18 55.3	1.047	2.027	3.2	19.5
1 6	6 34.63	+19 24.0	1.058	2.036	4.0	19.5
1 16	6 25.59	+19 54.5	1.095	2.047	9.5	19.9
1 26	6 19.22	+20 24.6	1.154	2.059	14.5	20.2
2 5	6 16.34	+20 52.8	1.233	2.071	18.7	20.5

324779 2007 GJ_{57} 12 30.9 160°.16 2°.3/31.4 17

11 27	7 5.14	+15 13.1	2.303	3.112	12.1	21.4
12 7	6 59.85	+15 13.2	2.224	3.114	9.2	21.2
12 17	6 52.67	+15 20.2	2.169	3.116	5.9	21.0
12 27	6 44.27	+15 33.7	2.143	3.117	2.9	20.8
1 6	6 35.48	+15 52.5	2.146	3.119	3.2	20.8
1 16	6 27.22	+16 15.3	2.179	3.120	6.3	21.0
1 26	6 20.34	+16 40.6	2.240	3.121	9.5	21.3
2 5	6 15.44	+17 7.2	2.326	3.122	12.4	21.4

272562 2005 UZ_{478} 12 30.9 215°.32 2°.4/31.2 18

11 27	7 10.11	+16 35.3	1.982	2.792	13.8	21.6
12 7	7 3.91	+16 23.5	1.893	2.784	10.5	21.4
12 17	6 55.31	+16 17.7	1.828	2.776	6.7	21.1
12 27	6 45.06	+16 17.7	1.791	2.767	3.1	20.9
1 6	6 34.23	+16 22.6	1.783	2.757	3.5	20.9
1 16	6 23.97	+16 31.6	1.806	2.747	7.4	21.1
1 26	6 15.41	+16 43.9	1.856	2.735	11.3	21.3
2 5	6 9.31	+16 58.8	1.929	2.723	14.6	21.5

264797 2002 NB_{65} 12 30.9 190°.70 0°.9/30.8 18

11 27	7 12.65	+23 49.5	1.764	2.586	14.7	21.9
12 7	7 6.14	+24 17.7	1.684	2.585	11.0	21.7
12 17	6 56.81	+24 48.5	1.629	2.583	6.7	21.4
12 27	6 45.52	+25 17.9	1.601	2.581	2.0	21.1
1 6	6 33.55	+25 42.3	1.602	2.578	3.2	21.2
1 16	6 22.36	+25 59.8	1.632	2.575	7.8	21.5
1 26	6 13.24	+26 10.4	1.689	2.571	12.1	21.7
2 5	6 7.07	+26 15.8	1.769	2.566	15.6	21.9

124738 2001 SF_{199} 12 30.9 336°.00 1°.3/30.7 18

11 27	7 7.78	+24 36.4	1.289	2.138	17.4	19.6
12 7	7 3.40	+25 0.1	1.215	2.129	13.1	19.3
12 17	6 55.55	+25 26.8	1.162	2.121	8.0	19.0
12 27	6 45.22	+25 52.0	1.133	2.114	2.6	18.7
1 6	6 34.00	+26 11.3	1.129	2.107	4.0	18.7
1 16	6 23.72	+26 22.5	1.152	2.101	9.5	19.0
1 26	6 16.05	+26 25.9	1.197	2.096	14.6	19.3
2 5	6 12.00	+26 23.7	1.263	2.091	18.9	19.6

27226 1999 GC_{17} 12 30.9 19°.98 3°.8/ 1.1 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
11 27	7 3.58	+ 9 30.0	2.311	3.108	12.5	17.1
12 7	6 58.70	+ 9 41.7	2.231	3.109	9.7	16.9
12 17	6 52.00	+10 5.1	2.175	3.110	6.8	16.8
12 27	6 44.10	+10 40.1	2.146	3.111	4.3	16.6
1 6	6 35.81	+11 25.1	2.148	3.112	4.2	16.6
1 16	6 27.98	+12 17.7	2.178	3.114	6.7	16.8
1 26	6 21.45	+13 15.0	2.237	3.115	9.7	16.9
2 5	6 16.83	+14 14.0	2.320	3.117	12.4	17.1

220193 2002 VZ_{16} 12 30.9 51°.20 0°.5/30.9 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 27	7 12.42	+22 50.9	1.191	2.036	18.8	19.9
12 7	7 6.37	+22 35.7	1.145	2.057	14.0	19.7
12 17	6 56.95	+22 22.8	1.120	2.079	8.4	19.4
12 27	6 45.50	+22 10.2	1.120	2.101	2.4	19.1
1 6	6 33.82	+21 56.5	1.145	2.123	3.6	19.3
1 16	6 23.68	+21 42.2	1.196	2.146	9.2	19.7
1 26	6 16.45	+21 28.7	1.271	2.169	14.0	20.0
2 5	6 12.78	+21 17.0	1.367	2.192	17.9	20.3

209810 2005 GK_{72} 12 30.9 311°.64 0°.0/30.8 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 27	7 7.66	+21 6.0	1.698	2.528	14.8	20.2
12 7	7 2.51	+21 33.4	1.619	2.523	11.1	19.9
12 17	6 54.65	+22 6.7	1.563	2.519	6.7	19.7
12 27	6 44.92	+22 42.5	1.533	2.514	1.9	19.4
1 6	6 34.51	+23 17.4	1.532	2.510	3.0	19.4
1 16	6 24.79	+23 48.8	1.559	2.506	7.8	19.7
1 26	6 17.03	+24 15.4	1.613	2.502	12.1	20.0
2 5	6 12.09	+24 37.3	1.688	2.498	15.7	20.2

25219 1998 TM_{5} 12 30.9 149°.57 1°.0/30.7 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 27	7 9.91	+25 2.7	2.247	3.061	12.2	20.0
12 7	7 3.48	+25 26.8	2.174	3.070	9.1	19.8
12 17	6 54.90	+25 51.2	2.125	3.079	5.5	19.6
12 27	6 44.93	+26 13.2	2.106	3.087	1.8	19.4
1 6	6 34.56	+26 30.2	2.118	3.094	2.7	19.5
1 16	6 24.87	+26 41.1	2.160	3.100	6.4	19.7
1 26	6 16.81	+26 46.2	2.230	3.107	9.8	19.9
2 5	6 11.05	+26 46.9	2.324	3.112	12.7	20.1

287715 2003 QH_{94} 12 30.9 98°.91 2°.2/31.4 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 27	7 13.63	+16 2.5	1.486	2.306	17.0	21.1
12 7	7 6.79	+16 23.3	1.432	2.329	12.8	20.9
12 17	6 57.07	+16 54.5	1.400	2.352	8.0	20.7
12 27	6 45.55	+17 33.3	1.395	2.373	3.2	20.4
1 6	6 33.67	+18 16.0	1.419	2.395	3.7	20.5
1 16	6 22.94	+18 59.2	1.471	2.416	8.3	20.8
1 26	6 14.59	+19 40.7	1.548	2.436	12.6	21.1
2 5	6 9.36	+20 19.1	1.648	2.455	16.2	21.4

196336 2003 FN_{71} 12 30.9 196°.82 0°.8/30.8 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 27	7 10.99	+24 12.6	1.999	2.817	13.4	21.3
12 7	7 4.64	+24 35.2	1.916	2.814	10.0	21.1
12 17	6 55.78	+24 59.4	1.857	2.811	6.1	20.9
12 27	6 45.22	+25 21.9	1.827	2.807	1.9	20.6
1 6	6 34.08	+25 39.9	1.827	2.803	2.9	20.6
1 16	6 23.59	+25 51.9	1.856	2.798	7.1	20.9
1 26	6 14.92	+25 58.2	1.913	2.793	11.0	21.1
2 5	6 8.83	+26 0.1	1.994	2.787	14.3	21.3

192195 2007 GM_{71} 12 30.9 181°.39 0°.0/30.7 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 27	7 10.63	+21 2.1	1.821	2.642	14.3	20.8
12 7	7 4.52	+21 31.9	1.743	2.643	10.7	20.6
12 17	6 55.78	+22 6.9	1.689	2.643	6.5	20.3
12 27	6 45.24	+22 43.8	1.662	2.643	1.9	20.0
1 6	6 34.08	+23 19.2	1.665	2.643	2.9	20.1
1 16	6 23.63	+23 50.5	1.697	2.642	7.5	20.4
1 26	6 15.10	+24 16.8	1.757	2.640	11.6	20.6
2 5	6 9.30	+24 38.4	1.839	2.639	15.0	20.9

420165 2011 GX_{4} 12 30.9 287°.58 0°.8/30.7 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 27	7 5.58	+23 47.4	2.251	3.072	11.9	20.8
12 7	7 0.47	+24 16.3	2.161	3.062	8.9	20.6
12 17	6 53.23	+24 47.6	2.096	3.051	5.4	20.4
12 27	6 44.51	+25 18.6	2.059	3.040	1.7	20.1
1 6	6 35.23	+25 46.5	2.052	3.029	2.6	20.1
1 16	6 26.42	+26 9.6	2.075	3.018	6.4	20.4
1 26	6 19.08	+26 27.2	2.126	3.008	9.9	20.6
2 5	6 13.91	+26 39.9	2.200	2.997	13.0	20.8

346648 2008 XQ_{45} 12 30.9 91°.86 1°.6/31.2 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 27	7 10.78	+18 4.7	1.695	2.516	15.2	21.5
12 7	7 4.43	+18 12.0	1.638	2.536	11.4	21.3
12 17	6 55.57	+18 26.0	1.603	2.556	7.0	21.1
12 27	6 45.13	+18 44.8	1.596	2.575	2.6	20.8
1 6	6 34.39	+19 6.1	1.618	2.595	3.2	20.9
1 16	6 24.61	+19 28.2	1.669	2.613	7.5	21.2
1 26	6 16.91	+19 49.9	1.746	2.632	11.5	21.5
2 5	6 11.94	+20 10.7	1.846	2.650	14.8	21.8

44215 1998 OX_{14} 12 30.9 176°.66 4°.6/30.5 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
11 27	7 14.39	+36 30.8	2.132	2.938	13.1	18.2
12 7	7 7.15	+36 53.8	2.056	2.939	10.2	18.1
12 17	6 57.25	+37 8.1	2.004	2.941	7.1	17.9
12 27	6 45.64	+37 8.6	1.980	2.942	4.8	17.7
1 6	6 33.59	+36 52.7	1.985	2.942	5.3	17.8
1 16	6 22.44	+36 20.8	2.019	2.942	8.0	17.9
1 26	6 13.40	+35 36.4	2.081	2.942	11.1	18.1
2 5	6 7.19	+34 44.5	2.166	2.941	13.9	18.3

212846 2007 VP_{7} 12 30.9 305°.45 8°.3/30.5 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 27	7 8.58	+ 6 18.5	1.760	2.553	15.9	19.7
12 7	7 2.85	+ 4 33.5	1.682	2.548	13.1	19.5
12 17	6 54.70	+ 2 59.0	1.628	2.542	10.2	19.3
12 27	6 44.94	+ 1 41.1	1.600	2.537	8.4	19.2
1 6	6 34.66	+ 0 44.2	1.599	2.532	8.8	19.2
1 16	6 25.07	+ 0 10.8	1.625	2.527	11.1	19.4
1 26	6 17.27	− 0 0.2	1.675	2.522	14.0	19.5
2 5	6 12.00	+ 0 7.7	1.746	2.518	16.8	19.7

346477 2008 TO_{185} 12 30.9 20°.88 2°.8/31.4 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 27	7 6.99	+16 16.8	1.378	2.215	17.2	20.4
12 7	7 2.27	+16 11.5	1.313	2.218	13.1	20.2
12 17	6 54.58	+16 16.3	1.269	2.223	8.3	19.9
12 27	6 44.92	+16 30.4	1.250	2.228	3.7	19.7
1 6	6 34.71	+16 52.1	1.258	2.233	4.2	19.7
1 16	6 25.44	+17 18.9	1.292	2.240	8.9	20.0
1 26	6 18.47	+17 48.6	1.350	2.246	13.4	20.3
2 5	6 14.61	+18 19.3	1.429	2.254	17.3	20.6

148349 2000 RF_{29} 12 30.9 95°.20 0°.5/30.9 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 27	7 10.43	+24 57.4	2.211	3.026	12.4	20.9
12 7	7 3.67	+24 56.2	2.153	3.050	9.1	20.7
12 17	6 54.89	+24 54.2	2.121	3.074	5.5	20.5
12 27	6 44.92	+24 49.7	2.117	3.097	1.6	20.3
1 6	6 34.79	+24 41.6	2.144	3.121	2.5	20.4
1 16	6 25.50	+24 30.0	2.201	3.143	6.1	20.7
1 26	6 17.94	+24 15.8	2.286	3.165	9.5	20.9
2 5	6 12.66	+24 0.5	2.396	3.187	12.2	21.1

66362 1999 JQ_{90} 12 30.9 320°.12 4°.2/31.9 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 27	7 6.59	+11 8.6	1.472	2.295	17.0	18.7
12 7	7 2.00	+11 24.8	1.392	2.286	13.3	18.5
12 17	6 54.52	+11 58.1	1.333	2.278	9.0	18.2
12 27	6 44.96	+12 48.2	1.299	2.271	5.0	18.0
1 6	6 34.58	+13 52.1	1.292	2.263	5.0	18.0
1 16	6 24.86	+15 5.2	1.311	2.256	9.1	18.2
1 26	6 17.20	+16 22.0	1.356	2.250	13.6	18.4
2 5	6 12.54	+17 38.1	1.423	2.244	17.6	18.6

483653 2005 CJ_{61} 12 30.9 203°.93 3°.8/30.3 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 27	7 8.61	+34 57.3	2.524	3.332	11.2	21.1
12 7	7 2.57	+35 25.7	2.443	3.330	8.6	20.9
12 17	6 54.40	+35 48.1	2.388	3.328	5.9	20.8
12 27	6 44.83	+36 0.7	2.362	3.326	4.0	20.6
1 6	6 34.85	+36 1.0	2.365	3.323	4.5	20.7
1 16	6 25.49	+35 48.7	2.398	3.321	6.9	20.8
1 26	6 17.72	+35 25.6	2.458	3.318	9.6	21.0
2 5	6 12.19	+34 54.7	2.542	3.316	12.1	21.2

402646 2006 UN_{12} 12 30.9 24°.93 5°.7/29.6 17

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 27	7 10.10	+33 55.2	1.609	2.440	15.4	20.3
12 7	7 4.76	+35 12.5	1.546	2.445	11.9	20.1
12 17	6 56.21	+36 24.7	1.506	2.450	8.3	19.9
12 27	6 45.43	+37 23.6	1.493	2.456	5.9	19.8
1 6	6 33.94	+38 2.9	1.506	2.463	6.8	19.9
1 16	6 23.41	+38 20.5	1.546	2.470	9.9	20.1
1 26	6 15.35	+38 18.6	1.610	2.477	13.4	20.3
2 5	6 10.66	+38 2.2	1.695	2.485	16.5	20.5

256967 2008 EV_{89} 12 30.9 167°.55 0°.4/30.9 17

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 27	7 7.60	+22 55.3	2.040	2.862	13.0	21.2
12 7	7 2.03	+23 16.6	1.962	2.863	9.7	21.0
12 17	6 54.18	+23 40.5	1.909	2.864	5.8	20.8
12 27	6 44.79	+24 4.3	1.884	2.865	1.7	20.5
1 6	6 34.93	+24 25.5	1.888	2.865	2.6	20.5
1 16	6 25.70	+24 42.5	1.921	2.866	6.7	20.8
1 26	6 18.15	+24 55.1	1.982	2.866	10.5	21.0
2 5	6 13.00	+25 3.9	2.067	2.866	13.6	21.2

308240 2005 GG_{5} 12 30.9 252°.17 8°.5/ 1.3 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 27	7 5.64	+ 1 5.9	1.897	2.671	15.6	20.9
12 7	7 0.57	+ 0 13.5	1.819	2.667	13.1	20.7
12 17	6 53.31	− 0 21.6	1.763	2.662	10.6	20.5
12 27	6 44.56	− 0 35.1	1.732	2.658	8.8	20.4
1 6	6 35.31	− 0 25.7	1.726	2.654	8.8	20.4
1 16	6 26.62	+ 0 6.0	1.748	2.649	10.5	20.5
1 26	6 19.52	+ 0 56.3	1.794	2.645	13.0	20.6
2 5	6 14.70	+ 1 59.9	1.862	2.640	15.7	20.8

391211 2006 HZ_{51} 12 30.9 182°.89 1°.8/30.5 17

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
11 27	7 20.13	+25 9.0	1.944	2.747	14.2	22.9
12 7	7 11.63	+26 2.8	1.860	2.750	10.7	22.7
12 17	7 0.16	+26 58.6	1.801	2.751	6.6	22.5
12 27	6 46.57	+27 50.8	1.772	2.751	2.5	22.2
1 6	6 32.19	+28 34.2	1.775	2.749	3.6	22.3
1 16	6 18.53	+29 5.7	1.810	2.745	7.9	22.5
1 26	6 6.99	+29 25.7	1.873	2.739	11.9	22.8
2 5	5 58.48	+29 36.8	1.960	2.731	15.2	23.0

249924 2001 SR_{322} 12 30.9 132°.72 1°.2/31.1 18

11 27	7 8.94	+19 57.0	2.246	3.057	12.3	20.6
12 7	7 2.63	+19 40.9	2.174	3.068	9.2	20.4
12 17	6 54.33	+19 27.4	2.128	3.079	5.6	20.2
12 27	6 44.81	+19 15.8	2.110	3.090	2.0	20.0
1 6	6 35.01	+19 5.8	2.124	3.100	2.6	20.1
1 16	6 25.91	+18 57.2	2.167	3.109	6.2	20.3
1 26	6 18.38	+18 50.3	2.239	3.119	9.6	20.6
2 5	6 13.00	+18 45.2	2.335	3.127	12.5	20.8

29997 2000 AE_{127} 12 30.9 196°.54 3°.9/31.8 18 R

11 27	7 9.66	+10 52.5	2.066	2.861	13.8	19.3
12 7	7 3.46	+10 51.4	1.980	2.858	10.8	19.1
12 17	6 55.03	+11 1.4	1.917	2.854	7.4	18.9
12 27	6 45.06	+11 22.9	1.883	2.850	4.5	18.7
1 6	6 34.55	+11 54.5	1.878	2.844	4.5	18.7
1 16	6 24.58	+12 34.3	1.904	2.838	7.6	18.9
1 26	6 16.17	+13 19.6	1.957	2.831	11.0	19.1
2 5	6 10.06	+14 7.7	2.034	2.824	14.1	19.3

441716 2009 BR_{16} 12 30.9 12°.90 7°.4/ 1.9 18

11 27	7 4.55	+ 4 53.8	1.368	2.182	18.6	20.4
12 7	7 0.41	+ 4 48.4	1.304	2.184	15.0	20.2
12 17	6 53.48	+ 5 6.1	1.259	2.188	11.2	20.0
12 27	6 44.65	+ 5 49.0	1.237	2.192	8.1	19.8
1 6	6 35.23	+ 6 55.2	1.240	2.198	7.7	19.8
1 16	6 26.64	+ 8 19.3	1.268	2.204	10.4	20.0
1 26	6 20.18	+ 9 54.3	1.321	2.211	14.2	20.2
2 5	6 16.66	+11 32.7	1.395	2.219	17.7	20.5

25718 2000 AH_{170} 12 30.9 97°.53 7°.2/31.8 18

11 27	7 10.17	+ 7 43.0	1.513	2.318	17.5	18.5
12 7	7 4.18	+ 6 46.7	1.453	2.331	14.0	18.3
12 17	6 55.53	+ 6 5.9	1.415	2.343	10.3	18.2
12 27	6 45.19	+ 5 44.0	1.402	2.356	7.6	18.0
1 6	6 34.47	+ 5 42.0	1.415	2.368	7.6	18.1
1 16	6 24.72	+ 5 58.9	1.455	2.380	10.3	18.3
1 26	6 17.11	+ 6 31.2	1.519	2.391	13.8	18.5
2 5	6 12.36	+ 7 14.2	1.605	2.403	17.0	18.7

121622 1999 VT_{167} 12 30.9 109°.03 4°.4/29.9 17

11 27	7 9.95	+34 32.4	2.256	3.068	12.2	19.7
12 7	7 3.79	+35 28.0	2.188	3.076	9.4	19.6
12 17	6 55.25	+36 18.1	2.145	3.085	6.5	19.4
12 27	6 45.12	+36 57.5	2.131	3.093	4.5	19.3
1 6	6 34.52	+37 22.5	2.146	3.101	5.2	19.3
1 16	6 24.62	+37 31.9	2.190	3.109	7.7	19.5
1 26	6 16.53	+37 27.3	2.260	3.117	10.5	19.7
2 5	6 10.95	+37 12.2	2.354	3.125	13.0	19.9

86401 2000 AF_{143} 12 30.9 262°.01 0°.5/30.9 18 R

11 27	7 12.08	+22 5.1	1.864	2.682	14.2	18.9
12 7	7 5.84	+21 57.2	1.759	2.657	10.7	18.6
12 17	6 56.78	+21 50.8	1.678	2.631	6.6	18.3
12 27	6 45.65	+21 44.3	1.624	2.605	2.0	18.0
1 6	6 33.61	+21 36.2	1.600	2.577	3.0	18.0
1 16	6 22.04	+21 26.0	1.605	2.549	7.9	18.2
1 26	6 12.31	+21 14.7	1.638	2.520	12.3	18.4
2 5	6 5.37	+21 3.6	1.693	2.490	16.2	18.6

11068 1992 EA 12 30.9 227°.94 0°.6/30.9 18

11 27	7 12.55	+23 54.8	1.579	2.407	15.8	18.0
12 7	7 6.44	+24 7.8	1.496	2.400	11.9	17.7
12 17	6 57.20	+24 22.7	1.436	2.392	7.2	17.4
12 27	6 45.76	+24 36.2	1.403	2.384	2.2	17.1
1 6	6 33.52	+24 45.0	1.398	2.376	3.4	17.1
1 16	6 22.09	+24 48.0	1.421	2.367	8.5	17.4
1 26	6 12.95	+24 45.7	1.470	2.357	13.2	17.7
2 5	6 7.04	+24 40.2	1.541	2.348	17.1	17.9

138242 2000 FW_{33} 12 30.9 284°.92 0°.8/31.1 18

11 27	7 7.49	+20 1.1	1.833	2.658	14.1	19.8
12 7	7 2.17	+20 11.3	1.754	2.656	10.6	19.6
12 17	6 54.37	+20 26.6	1.699	2.653	6.5	19.4
12 27	6 44.90	+20 45.1	1.670	2.651	2.1	19.1
1 6	6 34.87	+21 4.5	1.670	2.648	2.9	19.1
1 16	6 25.51	+21 23.3	1.699	2.646	7.3	19.4
1 26	6 17.97	+21 40.5	1.755	2.643	11.3	19.6
2 5	6 12.99	+21 56.1	1.834	2.641	14.8	19.9

61849 2000 QP_{202} 12 30.9 197°.07 0°.8/30.8 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
11 27	7 11.11	+24 13.1	2.028	2.845	13.2	20.1
12 7	7 4.73	+24 35.9	1.944	2.842	9.9	19.9
12 17	6 55.88	+25 0.2	1.885	2.839	6.0	19.6
12 27	6 45.34	+25 22.9	1.854	2.835	1.9	19.3
1 6	6 34.22	+25 41.1	1.854	2.831	2.9	19.4
1 16	6 23.74	+25 53.4	1.883	2.825	7.0	19.6
1 26	6 15.05	+25 59.9	1.940	2.820	10.9	19.9
2 5	6 8.91	+26 1.9	2.021	2.813	14.1	20.1

460904 2014 WX_{195} 12 30.9 0°.99 4°.7/30.2 16

11 27	7 8.81	+35 56.6	2.118	2.933	12.8	21.4
12 7	7 3.13	+36 33.3	2.044	2.933	9.9	21.2
12 17	6 54.92	+37 2.9	1.994	2.933	7.0	21.1
12 27	6 45.05	+37 20.2	1.971	2.933	4.9	20.9
1 6	6 34.70	+37 22.3	1.977	2.933	5.4	21.0
1 16	6 25.11	+37 8.6	2.010	2.933	8.0	21.1
1 26	6 17.44	+36 41.5	2.071	2.934	11.0	21.3
2 5	6 12.41	+36 5.2	2.154	2.935	13.7	21.5

1682 Karel 12 30.9 102°.63 2°.0/30.8 18 R

11 27	7 16.13	+27 26.7	1.520	2.346	16.4	16.4
12 7	7 8.80	+27 42.8	1.464	2.366	12.2	16.2
12 17	6 58.37	+27 56.5	1.432	2.386	7.5	16.0
12 27	6 46.01	+28 3.2	1.426	2.405	2.8	15.8
1 6	6 33.35	+28 0.2	1.448	2.424	3.8	15.9
1 16	6 22.00	+27 47.6	1.499	2.442	8.4	16.2
1 26	6 13.28	+27 28.0	1.576	2.459	12.7	16.5
2 5	6 7.90	+27 5.0	1.674	2.476	16.2	16.8

486602 2013 JS_{57} 12 30.9 245°.29 2°.0/30.4 17

11 27	7 8.48	+26 19.6	2.044	2.866	12.9	21.4
12 7	7 2.89	+27 8.9	1.961	2.861	9.7	21.2
12 17	6 54.84	+27 59.7	1.903	2.856	6.0	20.9
12 27	6 45.07	+28 47.5	1.873	2.851	2.5	20.7
1 6	6 34.66	+29 28.3	1.873	2.846	3.5	20.8
1 16	6 24.80	+29 59.5	1.902	2.841	7.3	21.0
1 26	6 16.67	+30 20.7	1.958	2.835	10.9	21.2
2 5	6 11.06	+30 33.4	2.038	2.830	14.1	21.4

178203 2006 VB_{12} 12 30.9 346°.70 0°.9/31.1 18

11 27	7 7.04	+20 40.2	1.744	2.573	14.5	20.5
12 7	7 1.91	+20 36.1	1.667	2.571	10.9	20.2
12 17	6 54.25	+20 35.9	1.613	2.569	6.7	20.0
12 27	6 44.89	+20 38.1	1.586	2.567	2.2	19.7
1 6	6 34.99	+20 41.3	1.588	2.565	3.0	19.8
1 16	6 25.84	+20 44.7	1.617	2.564	7.5	20.0
1 26	6 18.59	+20 48.1	1.673	2.563	11.6	20.3
2 5	6 13.99	+20 51.6	1.751	2.562	15.2	20.5

227268 2005 SW_{123} 12 30.9 56°.68 1°.1/30.8 18

11 27	7 12.05	+24 6.3	1.288	2.130	17.9	19.9
12 7	7 6.13	+24 33.2	1.240	2.150	13.3	19.7
12 17	6 56.91	+25 2.4	1.213	2.171	8.0	19.5
12 27	6 45.63	+25 29.1	1.211	2.191	2.5	19.2
1 6	6 33.99	+25 49.1	1.235	2.213	3.7	19.3
1 16	6 23.71	+26 1.0	1.286	2.234	8.9	19.7
1 26	6 16.19	+26 5.8	1.362	2.255	13.5	20.0
2 5	6 12.17	+26 5.5	1.458	2.277	17.3	20.3

117778 2005 GO_{112} 12 30.9 268°.07 1°.6/31.2 18

11 27	7 4.66	+18 15.1	2.448	3.261	11.4	20.1
12 7	6 59.50	+18 0.4	2.360	3.254	8.6	19.9
12 17	6 52.53	+17 49.3	2.298	3.248	5.4	19.7
12 27	6 44.37	+17 41.7	2.263	3.241	2.3	19.5
1 6	6 35.82	+17 37.1	2.259	3.234	2.7	19.5
1 16	6 27.74	+17 35.1	2.286	3.228	6.0	19.7
1 26	6 20.97	+17 35.6	2.340	3.221	9.2	19.9
2 5	6 16.08	+17 38.2	2.418	3.214	12.0	20.1

421493 2014 OA_{65} 12 30.9 139°.86 0°.5/31.1 18

11 27	7 7.34	+20 4.0	2.054	2.873	13.0	20.5
12 7	7 1.81	+20 28.0	1.977	2.876	9.7	20.3
12 17	6 54.06	+20 57.0	1.925	2.879	5.9	20.1
12 27	6 44.83	+21 28.7	1.901	2.881	1.8	19.8
1 6	6 35.12	+22 0.6	1.907	2.884	2.6	19.9
1 16	6 26.03	+22 30.3	1.942	2.887	6.6	20.1
1 26	6 18.57	+22 57.0	2.005	2.889	10.3	20.4
2 5	6 13.43	+23 20.3	2.092	2.892	13.5	20.6

329689 2003 UG_{200} 12 30.9 51°.61 4°.1/30.1 17

11 27	7 9.03	+32 32.3	1.964	2.786	13.4	20.3
12 7	7 3.28	+33 25.1	1.906	2.802	10.2	20.1
12 17	6 54.99	+34 13.0	1.872	2.817	6.8	19.9
12 27	6 45.09	+34 50.8	1.865	2.833	4.3	19.8
1 6	6 34.77	+35 14.6	1.887	2.849	5.0	19.9
1 16	6 25.32	+35 23.5	1.937	2.866	7.9	20.1
1 26	6 17.86	+35 19.0	2.014	2.882	11.1	20.3
2 5	6 13.09	+35 4.7	2.113	2.899	13.8	20.5

416743 2005 EY_{74} 12 30.9 309°.99 4°.5/30.1 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
11 27	7 8.46	+35 33.1	2.243	3.056	12.2	20.6
12 7	7 2.80	+36 9.3	2.162	3.050	9.5	20.4
12 17	6 54.73	+36 39.1	2.106	3.045	6.7	20.2
12 27	6 45.03	+36 57.7	2.077	3.039	4.6	20.1
1 6	6 34.81	+37 2.1	2.077	3.034	5.2	20.1
1 16	6 25.25	+36 51.6	2.106	3.029	7.7	20.3
1 26	6 17.48	+36 28.1	2.161	3.024	10.7	20.4
2 5	6 12.21	+35 55.4	2.240	3.019	13.3	20.6

145186 2005 JQ_{21} 12 30.9 228°.04 0°.0/30.9 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 27	7 12.07	+22 18.7	1.675	2.500	15.2	21.4
12 7	7 5.92	+22 25.4	1.590	2.491	11.5	21.1
12 17	6 56.84	+22 35.1	1.527	2.482	7.0	20.8
12 27	6 45.69	+22 45.3	1.491	2.472	2.0	20.5
1 6	6 33.77	+22 53.3	1.485	2.462	3.1	20.5
1 16	6 22.59	+22 58.0	1.506	2.452	8.1	20.8
1 26	6 13.51	+22 59.6	1.554	2.440	12.6	21.0
2 5	6 7.46	+22 59.4	1.624	2.429	16.5	21.3

338937 2004 EQ_{53} 12 30.9 272°.64 0°.5/31.0 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 27	7 9.89	+20 43.8	1.539	2.371	16.0	21.1
12 7	7 4.60	+21 0.0	1.452	2.357	12.1	20.8
12 17	6 56.20	+21 22.3	1.386	2.342	7.4	20.5
12 27	6 45.54	+21 48.1	1.347	2.328	2.2	20.1
1 6	6 33.95	+22 14.1	1.335	2.313	3.3	20.2
1 16	6 23.01	+22 37.7	1.351	2.298	8.6	20.4
1 26	6 14.24	+22 58.0	1.392	2.283	13.5	20.7
2 5	6 8.64	+23 15.2	1.454	2.268	17.6	20.9

401524 2013 EJ_{88} 12 30.9 185°.59 3°.5/30.4 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 27	7 11.99	+34 5.2	2.451	3.256	11.6	21.6
12 7	7 5.11	+34 28.9	2.370	3.256	8.9	21.4
12 17	6 55.98	+34 46.5	2.314	3.255	6.0	21.3
12 27	6 45.37	+34 54.2	2.287	3.254	3.8	21.1
1 6	6 34.34	+34 49.5	2.290	3.252	4.3	21.1
1 16	6 24.00	+34 32.3	2.324	3.250	6.9	21.3
1 26	6 15.36	+34 4.7	2.386	3.247	9.8	21.5
2 5	6 9.10	+33 30.0	2.471	3.244	12.4	21.7

178805 2001 FS_{41} 12 30.9 224°.02 0°.9/31.1 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 27	7 11.78	+19 43.0	2.053	2.863	13.3	21.3
12 7	7 5.26	+19 50.1	1.957	2.850	10.1	21.1
12 17	6 56.27	+20 1.7	1.885	2.837	6.2	20.8
12 27	6 45.51	+20 16.0	1.842	2.822	2.1	20.5
1 6	6 34.06	+20 31.0	1.830	2.807	2.8	20.5
1 16	6 23.11	+20 45.5	1.847	2.790	7.1	20.8
1 26	6 13.84	+20 58.7	1.893	2.773	11.1	21.0
2 5	6 7.05	+21 11.0	1.963	2.754	14.5	21.2

308187 2005 CU_{48} 12 30.9 327°.61 2°.2/30.8 17

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 27	7 8.61	+28 1.4	1.454	2.295	16.2	20.0
12 7	7 3.82	+28 10.5	1.374	2.283	12.3	19.7
12 17	6 55.76	+28 17.2	1.315	2.272	7.7	19.4
12 27	6 45.41	+28 17.3	1.282	2.261	3.0	19.1
1 6	6 34.26	+28 7.8	1.275	2.251	4.1	19.2
1 16	6 24.00	+27 48.4	1.295	2.241	9.0	19.4
1 26	6 16.18	+27 21.5	1.339	2.233	13.7	19.7
2 5	6 11.75	+26 50.6	1.404	2.224	17.8	19.9

248265 2005 GG_{154} 12 30.9 236°.16 2°.6/30.2 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 27	7 6.69	+29 34.6	2.535	3.350	11.0	20.5
12 7	7 1.19	+30 19.9	2.450	3.345	8.2	20.3
12 17	6 53.65	+31 3.8	2.392	3.341	5.3	20.1
12 27	6 44.73	+31 42.7	2.362	3.336	2.8	20.0
1 6	6 35.31	+32 13.4	2.363	3.331	3.5	20.0
1 16	6 26.35	+32 34.1	2.394	3.326	6.4	20.2
1 26	6 18.79	+32 45.2	2.453	3.321	9.3	20.4
2 5	6 13.31	+32 48.1	2.536	3.316	11.9	20.5

254064 2004 HW_{20} 12 30.9 240°.33 2°.4/30.3 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 27	7 9.74	+28 46.4	2.406	3.218	11.6	21.5
12 7	7 3.63	+29 27.7	2.308	3.202	8.7	21.2
12 17	6 55.24	+30 8.2	2.237	3.186	5.6	21.0
12 27	6 45.22	+30 44.1	2.194	3.169	2.7	20.8
1 6	6 34.54	+31 11.8	2.182	3.152	3.5	20.8
1 16	6 24.26	+31 29.6	2.201	3.134	6.8	21.0
1 26	6 15.47	+31 37.5	2.247	3.116	10.1	21.2
2 5	6 8.95	+31 37.4	2.318	3.097	13.0	21.3

22022 1999 XR_{110} 12 30.9 240°.65 0°.6/31.0 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 27	7 11.92	+22 4.9	1.638	2.463	15.5	18.2
12 7	7 5.84	+21 53.1	1.552	2.454	11.7	17.9
12 17	6 56.81	+21 43.2	1.488	2.443	7.1	17.6
12 27	6 45.70	+21 33.5	1.452	2.433	2.2	17.3
1 6	6 33.86	+21 22.6	1.444	2.422	3.2	17.3
1 16	6 22.78	+21 10.5	1.465	2.411	8.2	17.6
1 26	6 13.86	+20 58.2	1.511	2.399	12.8	17.9
2 5	6 7.99	+20 47.0	1.580	2.387	16.8	18.1

255711 2006 QR_{104} 12 30.9 95°.61 7°.5/ 2.0 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
11 27	7 7.94	+ 0 27.6	2.100	2.859	14.8	20.9
12 7	7 1.83	− 0 4.8	2.046	2.885	12.2	20.8
12 17	6 53.85	− 0 19.4	2.015	2.910	9.7	20.7
12 27	6 44.74	− 0 14.0	2.010	2.935	7.9	20.6
1 6	6 35.44	+ 0 11.1	2.032	2.959	7.7	20.6
1 16	6 26.86	+ 0 53.8	2.083	2.983	9.1	20.8
1 26	6 19.85	+ 1 50.1	2.160	3.006	11.3	21.0
2 5	6 14.93	+ 2 55.1	2.260	3.029	13.5	21.2

45071 1999 XA_{37} 12 30.9 63°.30 4°.6/31.5 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 27	7 10.88	+13 35.1	1.294	2.123	18.6	18.8
12 7	7 5.04	+13 3.6	1.243	2.142	14.2	18.6
12 17	6 56.18	+12 44.7	1.214	2.161	9.4	18.4
12 27	6 45.46	+12 39.2	1.209	2.181	5.3	18.2
1 6	6 34.42	+12 46.6	1.230	2.200	5.6	18.3
1 16	6 24.62	+13 4.9	1.277	2.220	9.6	18.6
1 26	6 17.35	+13 31.4	1.349	2.239	13.9	18.9
2 5	6 13.30	+14 3.0	1.441	2.259	17.5	19.2

2610 Tuva 12 30.9 219°.84 0°.5/31.0 18 R

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 27	7 12.50	+21 26.7	1.519	2.347	16.3	17.0
12 7	7 6.46	+21 32.6	1.439	2.342	12.3	16.8
12 17	6 57.27	+21 42.7	1.381	2.337	7.5	16.5
12 27	6 45.86	+21 54.5	1.350	2.330	2.3	16.1
1 6	6 33.68	+22 5.3	1.346	2.324	3.3	16.2
1 16	6 22.32	+22 13.6	1.370	2.317	8.6	16.5
1 26	6 13.29	+22 19.5	1.420	2.309	13.4	16.8
2 5	6 7.52	+22 23.8	1.491	2.302	17.4	17.0

102013 1999 RX_{85} 12 30.9 48°.83 2°.4/31.4 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 27	7 10.12	+16 38.2	1.162	2.005	19.3	18.8
12 7	7 4.88	+16 50.1	1.113	2.022	14.5	18.6
12 17	6 56.27	+17 14.0	1.084	2.040	9.1	18.3
12 27	6 45.53	+17 47.4	1.079	2.058	3.6	18.1
1 6	6 34.35	+18 26.3	1.100	2.077	4.2	18.2
1 16	6 24.50	+19 7.0	1.146	2.096	9.4	18.5
1 26	6 17.41	+19 46.6	1.216	2.116	14.3	18.9
2 5	6 13.86	+20 23.4	1.305	2.136	18.3	19.2

317103 2001 TC_{141} 12 30.9 151°.21 0°.0/30.9 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 27	7 12.13	+22 5.6	1.978	2.792	13.6	21.9
12 7	7 5.40	+22 26.0	1.905	2.802	10.1	21.7
12 17	6 56.25	+22 49.3	1.858	2.811	6.1	21.5
12 27	6 45.51	+23 12.7	1.839	2.819	1.8	21.2
1 6	6 34.33	+23 33.5	1.850	2.827	2.7	21.3
1 16	6 23.91	+23 50.2	1.891	2.834	6.9	21.6
1 26	6 15.34	+24 2.7	1.960	2.840	10.7	21.8
2 5	6 9.35	+24 11.8	2.053	2.846	13.9	22.0

268079 2004 RP_{110} 12 30.9 188°.19 16°.9/ 1.1 17

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 27	7 11.39	− 7 18.2	1.208	1.971	23.4	20.3
12 7	7 5.90	− 9 32.2	1.150	1.971	20.8	20.1
12 17	6 57.04	−11 15.6	1.110	1.971	18.5	20.0
12 27	6 45.82	−12 16.4	1.088	1.971	17.1	19.9
1 6	6 33.83	−12 27.8	1.087	1.970	17.0	19.9
1 16	6 22.79	−11 49.6	1.106	1.968	18.5	19.9
1 26	6 14.29	−10 29.7	1.144	1.967	20.8	20.1
2 5	6 9.31	− 8 40.4	1.198	1.965	23.3	20.3

49323 1998 VN_{30} 12 30.9 78°.91 1°.1/31.0 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 27	7 13.30	+21 28.2	1.463	2.292	16.8	18.2
12 7	7 6.63	+21 7.4	1.409	2.312	12.5	18.0
12 17	6 57.06	+20 49.4	1.377	2.332	7.6	17.8
12 27	6 45.73	+20 32.9	1.372	2.352	2.4	17.5
1 6	6 34.14	+20 17.3	1.394	2.372	3.4	17.6
1 16	6 23.81	+20 2.8	1.445	2.391	8.3	18.0
1 26	6 15.95	+19 50.4	1.521	2.410	12.6	18.3
2 5	6 11.23	+19 40.8	1.618	2.429	16.2	18.5

108151 2001 HM_{2} 12 30.9 243°.79 1°.7/30.6 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 27	7 9.93	+26 30.1	2.071	2.891	12.9	20.2
12 7	7 4.01	+27 1.0	1.979	2.878	9.7	20.0
12 17	6 55.59	+27 32.4	1.911	2.864	6.0	19.8
12 27	6 45.38	+28 0.5	1.872	2.851	2.3	19.5
1 6	6 34.48	+28 22.0	1.862	2.837	3.3	19.5
1 16	6 24.10	+28 35.1	1.882	2.822	7.2	19.8
1 26	6 15.43	+28 40.0	1.929	2.807	11.0	20.0
2 5	6 9.31	+28 38.5	2.000	2.792	14.3	20.1

455478 2003 UW_{194} 12 30.9 53°.58 6°.6/31.9 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 27	7 5.99	+ 6 11.0	1.953	2.744	14.6	20.9
12 7	7 0.54	+ 5 13.0	1.900	2.766	11.8	20.7
12 17	6 53.15	+ 4 28.8	1.870	2.788	8.9	20.6
12 27	6 44.58	+ 4 1.1	1.866	2.811	6.9	20.5
1 6	6 35.83	+ 3 50.9	1.890	2.833	6.9	20.6
1 16	6 27.84	+ 3 57.4	1.941	2.856	8.8	20.7
1 26	6 21.48	+ 4 18.0	2.019	2.879	11.4	20.9
2 5	6 17.27	+ 4 49.2	2.118	2.902	13.9	21.1

130672 2000 SC_{114} 12 30.9 98°.78 2°.2/30.7 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
11 27	7 16.64	+26 49.5	1.465	2.292	16.9	20.0
12 7	7 9.32	+27 22.5	1.412	2.315	12.5	19.8
12 17	6 58.79	+27 54.5	1.383	2.337	7.7	19.6
12 27	6 46.25	+28 19.7	1.380	2.359	3.0	19.4
1 6	6 33.36	+28 34.2	1.405	2.380	4.0	19.5
1 16	6 21.82	+28 37.3	1.458	2.400	8.7	19.8
1 26	6 12.99	+28 31.1	1.537	2.420	13.0	20.1
2 5	6 7.61	+28 19.0	1.637	2.439	16.5	20.4

71739 2000 QG_{25} 12 30.9 262°.83 18°.1/ 5.3 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 27	7 8.91	−14 44.7	1.268	1.992	24.3	19.3
12 7	7 4.03	−16 3.3	1.206	1.989	22.3	19.2
12 17	6 55.92	−16 42.2	1.159	1.987	20.2	19.0
12 27	6 45.52	−16 30.8	1.129	1.984	18.7	18.9
1 6	6 34.31	−15 24.2	1.117	1.982	18.1	18.9
1 16	6 23.96	−13 25.3	1.125	1.979	18.8	18.9
1 26	6 16.00	−10 44.9	1.153	1.976	20.6	19.0
2 5	6 11.42	− 7 38.7	1.199	1.974	22.9	19.2

404384 2013 GP_{39} 12 30.9 203°.55 9°.8/28.6 17

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 27	7 24.46	+55 38.8	2.617	3.343	13.0	22.0
12 7	7 15.50	+56 53.2	2.546	3.338	11.6	21.9
12 17	7 2.82	+57 50.3	2.498	3.332	10.4	21.8
12 27	6 47.51	+58 21.9	2.474	3.326	9.8	21.7
1 6	6 31.33	+58 22.9	2.476	3.319	10.1	21.7
1 16	6 16.28	+57 53.3	2.503	3.311	11.2	21.8
1 26	6 4.09	+56 57.8	2.554	3.303	12.6	21.9
2 5	5 55.77	+55 44.1	2.625	3.295	14.1	22.0

710 Gertrud 12 30.9 229°.46 0°.5/31.1 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 27	7 5.26	+20 56.8	2.641	3.453	10.7	16.6
12 7	6 59.92	+21 4.1	2.550	3.445	8.0	16.4
12 17	6 52.82	+21 14.1	2.485	3.437	4.8	16.2
12 27	6 44.55	+21 25.5	2.449	3.429	1.5	15.9
1 6	6 35.86	+21 36.8	2.444	3.421	2.1	16.0
1 16	6 27.60	+21 47.3	2.469	3.412	5.5	16.2
1 26	6 20.55	+21 56.4	2.523	3.404	8.6	16.4
2 5	6 15.32	+22 4.4	2.602	3.394	11.3	16.5

396601 2001 QF_{85} 12 30.9 72°.44 2°.5/31.7 17

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 27	7 9.81	+13 57.4	1.829	2.638	14.7	21.2
12 7	7 3.53	+14 21.3	1.778	2.668	11.1	21.1
12 17	6 55.01	+14 55.5	1.752	2.698	7.1	20.9
12 27	6 45.15	+15 37.8	1.753	2.728	3.3	20.7
1 6	6 35.06	+16 25.3	1.783	2.757	3.5	20.8
1 16	6 25.87	+17 14.8	1.843	2.786	7.1	21.1
1 26	6 18.55	+18 3.7	1.931	2.815	10.7	21.3
2 5	6 13.70	+18 50.1	2.042	2.843	13.7	21.6

485176 2010 SC_{9} 12 30.9 117°.29 1°.7/31.3 17

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 27	7 7.71	+17 53.3	2.038	2.854	13.2	22.1
12 7	7 2.01	+17 51.4	1.966	2.862	9.9	21.9
12 17	6 54.16	+17 55.0	1.919	2.870	6.2	21.7
12 27	6 44.94	+18 3.1	1.899	2.877	2.5	21.5
1 6	6 35.33	+18 14.4	1.909	2.885	3.0	21.5
1 16	6 26.41	+18 27.9	1.949	2.892	6.7	21.8
1 26	6 19.13	+18 42.5	2.015	2.900	10.3	22.0
2 5	6 14.14	+18 57.8	2.106	2.906	13.4	22.2

358146 2006 RA_{13} 12 30.9 68°.23 7°.2/ 1.3 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 27	7 7.48	+ 5 1.8	1.733	2.525	16.2	20.7
12 7	7 1.90	+ 4 15.1	1.679	2.545	13.1	20.5
12 17	6 54.08	+ 3 45.2	1.647	2.564	9.9	20.4
12 27	6 44.90	+ 3 34.7	1.640	2.584	7.6	20.3
1 6	6 35.45	+ 3 44.1	1.660	2.604	7.5	20.3
1 16	6 26.86	+ 4 11.6	1.706	2.624	9.6	20.5
1 26	6 20.09	+ 4 53.4	1.778	2.644	12.4	20.7
2 5	6 15.75	+ 5 44.6	1.872	2.663	15.1	20.9

244378 2002 PT_{8} 12 30.9 218°.62 2°.8/31.5 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 27	7 8.04	+14 20.9	2.155	2.960	13.0	21.6
12 7	7 2.29	+14 16.9	2.065	2.952	10.0	21.4
12 17	6 54.40	+14 20.9	2.000	2.944	6.5	21.1
12 27	6 45.04	+14 32.5	1.962	2.935	3.4	20.9
1 6	6 35.14	+14 50.9	1.955	2.926	3.6	20.9
1 16	6 25.73	+15 14.6	1.977	2.916	7.0	21.1
1 26	6 17.80	+15 42.0	2.027	2.906	10.5	21.3
2 5	6 12.05	+16 11.6	2.101	2.895	13.6	21.5

275914 2001 TU_{154} 12 30.9 69°.47 5°.4/29.9 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 27	7 16.00	+32 21.4	1.421	2.251	17.1	19.8
12 7	7 9.21	+33 41.3	1.377	2.276	13.0	19.6
12 17	6 58.90	+34 55.3	1.354	2.301	8.8	19.5
12 27	6 46.34	+35 54.1	1.358	2.326	5.7	19.4
1 6	6 33.33	+36 31.4	1.389	2.350	6.6	19.5
1 16	6 21.73	+36 46.0	1.447	2.375	10.1	19.7
1 26	6 13.07	+36 41.5	1.529	2.399	13.8	20.0
2 5	6 8.11	+36 23.8	1.632	2.423	17.0	20.3

92464 2000 KS_{56} 12 30.9 126°.54 0°.4/31.1 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
11 27	7 11.72	+20 14.0	1.898	2.713	14.1	20.5
12 7	7 5.13	+20 38.6	1.832	2.728	10.5	20.3
12 17	6 56.11	+21 7.9	1.790	2.743	6.3	20.0
12 27	6 45.53	+21 39.3	1.777	2.757	1.9	19.8
1 6	6 34.54	+22 9.7	1.793	2.771	2.7	19.9
1 16	6 24.37	+22 37.1	1.840	2.784	7.0	20.2
1 26	6 16.10	+23 0.7	1.913	2.796	10.8	20.4
2 5	6 10.42	+23 20.7	2.011	2.807	14.0	20.7

312863 2011 UX_{141} 12 30.9 94°.72 1°.3/31.2 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 27	7 10.26	+18 25.2	1.912	2.727	14.0	21.1
12 7	7 3.90	+18 37.1	1.854	2.750	10.4	20.9
12 17	6 55.28	+18 54.7	1.820	2.772	6.4	20.7
12 27	6 45.27	+19 16.2	1.814	2.794	2.3	20.5
1 6	6 34.98	+19 39.2	1.838	2.815	2.8	20.6
1 16	6 25.55	+20 2.2	1.891	2.836	6.8	20.9
1 26	6 17.96	+20 24.1	1.972	2.856	10.5	21.1
2 5	6 12.84	+20 44.6	2.076	2.876	13.6	21.4

135579 2002 GN_{72} 12 30.9 123°.80 1°.0/30.8 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 27	7 14.74	+23 52.8	1.649	2.471	15.5	19.9
12 7	7 7.72	+24 24.3	1.587	2.487	11.6	19.7
12 17	6 57.81	+24 57.9	1.549	2.503	7.0	19.5
12 27	6 46.04	+25 29.2	1.538	2.518	2.2	19.2
1 6	6 33.81	+25 54.5	1.556	2.533	3.3	19.3
1 16	6 22.62	+26 11.9	1.603	2.546	7.9	19.6
1 26	6 13.75	+26 21.9	1.677	2.559	12.1	19.9
2 5	6 7.96	+26 26.5	1.773	2.571	15.6	20.1

127277 2002 JV_{65} 12 30.9 161°.24 2°.4/31.5 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 27	7 8.79	+15 5.7	2.465	3.263	11.8	20.3
12 7	7 2.47	+14 59.8	2.387	3.271	8.9	20.2
12 17	6 54.32	+14 59.9	2.334	3.278	5.8	20.0
12 27	6 45.00	+15 5.9	2.311	3.285	2.9	19.8
1 6	6 35.36	+15 16.7	2.319	3.290	3.1	19.8
1 16	6 26.26	+15 31.4	2.357	3.295	6.1	20.0
1 26	6 18.53	+15 49.0	2.425	3.300	9.2	20.2
2 5	6 12.74	+16 8.5	2.517	3.303	11.9	20.4

42608 1998 DD_{24} 12 30.9 229°.54 0°.3/30.9 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 27	7 12.11	+22 0.3	1.674	2.498	15.3	19.1
12 7	7 6.08	+22 28.4	1.587	2.488	11.5	18.9
12 17	6 57.07	+23 1.6	1.524	2.479	7.0	18.6
12 27	6 45.91	+23 36.2	1.487	2.468	2.0	18.3
1 6	6 33.90	+24 8.4	1.480	2.458	3.2	18.3
1 16	6 22.54	+24 35.4	1.501	2.446	8.2	18.6
1 26	6 13.26	+24 56.5	1.549	2.434	12.7	18.8
2 5	6 7.03	+25 12.4	1.618	2.422	16.6	19.1

147041 2002 RE_{65} 12 30.9 65°.99 0°.4/31.1 18 R

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 27	7 14.19	+20 3.5	1.309	2.142	18.1	19.1
12 7	7 7.51	+20 34.8	1.267	2.173	13.4	18.9
12 17	6 57.69	+21 12.8	1.247	2.203	8.1	18.7
12 27	6 45.98	+21 53.0	1.253	2.234	2.4	18.4
1 6	6 34.04	+22 30.8	1.286	2.264	3.4	18.5
1 16	6 23.52	+23 3.4	1.346	2.294	8.6	18.9
1 26	6 15.73	+23 30.2	1.432	2.324	13.1	19.3
2 5	6 11.32	+23 51.8	1.538	2.353	16.8	19.6

369484 2010 TT_{177} 12 30.9 62°.79 0°.3/31.1 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 27	7 13.03	+19 57.9	1.167	2.010	19.3	20.5
12 7	7 7.12	+20 32.1	1.120	2.031	14.3	20.3
12 17	6 57.69	+21 14.8	1.094	2.052	8.7	20.0
12 27	6 46.03	+22 0.8	1.092	2.073	2.5	19.7
1 6	6 33.94	+22 44.8	1.116	2.094	3.6	19.9
1 16	6 23.28	+23 23.1	1.166	2.116	9.3	20.3
1 26	6 15.56	+23 54.5	1.240	2.137	14.3	20.6
2 5	6 11.53	+24 19.5	1.334	2.159	18.3	20.9

131445 2001 QG_{94} 12 30.9 139°.05 17°.4/ 3.4 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 27	7 12.52	−12 42.5	1.331	2.055	23.4	20.0
12 7	7 6.42	−14 36.6	1.281	2.065	21.2	19.8
12 17	6 57.20	−15 55.1	1.247	2.074	19.1	19.7
12 27	6 45.91	−16 27.7	1.231	2.082	17.7	19.7
1 6	6 34.04	−16 9.8	1.235	2.089	17.4	19.7
1 16	6 23.18	−15 3.7	1.259	2.096	18.3	19.8
1 26	6 14.77	−13 18.2	1.303	2.103	20.0	19.9
2 5	6 9.64	−11 6.3	1.363	2.108	22.0	20.1

292877 2006 VZ_{18} 12 30.9 35°.51 2°.0/30.8 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 27	7 11.16	+26 11.5	1.227	2.074	18.3	20.9
12 7	7 5.94	+26 34.8	1.168	2.081	13.7	20.6
12 17	6 57.12	+26 58.3	1.130	2.088	8.4	20.3
12 27	6 45.91	+27 16.9	1.116	2.096	3.0	20.1
1 6	6 34.07	+27 26.5	1.127	2.104	4.2	20.2
1 16	6 23.51	+27 25.7	1.165	2.113	9.6	20.5
1 26	6 15.84	+27 16.6	1.225	2.122	14.5	20.8
2 5	6 11.91	+27 2.4	1.306	2.132	18.6	21.1

270933 2002 UK_{60} 12 30.9 160°.52 3°.6/31.9 17

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
11 27	7 3.82	+ 9 45.0	2.738	3.527	11.0	22.2
12 7	6 58.69	+ 9 40.4	2.658	3.530	8.6	22.0
12 17	6 52.01	+ 9 44.9	2.603	3.534	6.0	21.9
12 27	6 44.35	+ 9 58.6	2.576	3.537	3.9	21.8
1 6	6 36.38	+10 20.9	2.579	3.540	3.9	21.8
1 16	6 28.83	+10 50.6	2.612	3.543	6.0	21.9
1 26	6 22.39	+11 25.8	2.674	3.545	8.6	22.1
2 5	6 17.56	+12 4.6	2.761	3.547	10.9	22.2

42509 1993 FV_{33} 12 30.9 20°.47 5°.2/31.9 18

11 27	7 5.39	+11 9.3	1.315	2.147	18.2	17.4
12 7	7 1.17	+10 55.0	1.255	2.153	14.1	17.2
12 17	6 54.05	+10 56.8	1.216	2.161	9.7	16.9
12 27	6 45.00	+11 15.7	1.200	2.169	5.9	16.7
1 6	6 35.44	+11 50.0	1.210	2.179	5.9	16.8
1 16	6 26.83	+12 36.3	1.245	2.189	9.6	17.0
1 26	6 20.49	+13 30.3	1.304	2.200	13.8	17.3
2 5	6 17.20	+14 27.2	1.383	2.212	17.6	17.5

302415 2002 CF_{206} 12 30.9 210°.64 3°.0/30.6 18

11 27	7 12.42	+30 20.3	1.890	2.710	13.9	20.8
12 7	7 6.04	+30 45.0	1.809	2.706	10.6	20.6
12 17	6 56.89	+31 6.0	1.752	2.702	6.8	20.4
12 27	6 45.84	+31 18.8	1.722	2.697	3.4	20.2
1 6	6 34.17	+31 20.1	1.722	2.692	4.2	20.2
1 16	6 23.28	+31 9.3	1.750	2.687	7.9	20.4
1 26	6 14.47	+30 48.4	1.805	2.681	11.7	20.6
2 5	6 8.55	+30 21.0	1.883	2.675	15.0	20.8

276244 2002 RM_{130} 12 30.9 36°.13 8°.9/ 1.6 17

11 27	7 3.87	− 0 8.4	1.902	2.674	15.7	20.3
12 7	6 59.15	− 1 12.2	1.846	2.688	13.2	20.1
12 17	6 52.44	− 1 57.3	1.811	2.702	10.8	20.0
12 27	6 44.49	− 2 19.8	1.800	2.717	9.2	20.0
1 6	6 36.25	− 2 18.2	1.815	2.733	9.1	20.0
1 16	6 28.71	− 1 53.9	1.856	2.749	10.5	20.1
1 26	6 22.73	− 1 10.7	1.921	2.765	12.6	20.3
2 5	6 18.91	− 0 13.9	2.007	2.782	14.8	20.5

473559 2015 XC_{210} 12 30.9 98°.34 1°.3/31.2 18

11 27	7 7.77	+19 52.9	1.998	2.818	13.3	21.4
12 7	7 2.14	+19 41.4	1.924	2.823	10.0	21.2
12 17	6 54.30	+19 33.4	1.875	2.828	6.1	21.0
12 27	6 45.05	+19 28.0	1.853	2.833	2.2	20.8
1 6	6 35.41	+19 24.5	1.861	2.837	2.8	20.8
1 16	6 26.47	+19 22.3	1.897	2.842	6.8	21.1
1 26	6 19.23	+19 21.4	1.962	2.847	10.5	21.3
2 5	6 14.33	+19 21.9	2.049	2.852	13.6	21.5

221867 2008 GR_{90} 12 30.9 90°.65 0°.0/30.8 18

11 27	7 14.39	+22 4.1	1.556	2.381	16.2	20.8
12 7	7 7.38	+22 22.8	1.505	2.406	12.0	20.6
12 17	6 57.54	+22 44.9	1.476	2.431	7.2	20.4
12 27	6 45.97	+23 6.8	1.475	2.456	2.1	20.1
1 6	6 34.12	+23 25.4	1.502	2.480	3.1	20.3
1 16	6 23.46	+23 39.4	1.558	2.503	7.9	20.6
1 26	6 15.20	+23 48.9	1.640	2.526	12.1	20.9
2 5	6 10.02	+23 55.2	1.744	2.549	15.5	21.2

235811 2004 XT_{58} 12 30.9 235°.48 2°.3/30.6 18

11 27	7 11.24	+28 18.8	2.094	2.911	12.9	20.7
12 7	7 5.02	+28 49.2	2.002	2.898	9.7	20.5
12 17	6 56.25	+29 18.4	1.934	2.886	6.1	20.2
12 27	6 45.67	+29 42.4	1.895	2.872	2.8	20.0
1 6	6 34.39	+29 57.9	1.885	2.858	3.6	20.0
1 16	6 23.66	+30 3.2	1.906	2.843	7.3	20.2
1 26	6 14.69	+29 59.2	1.953	2.828	11.0	20.4
2 5	6 8.32	+29 48.4	2.024	2.812	14.3	20.6

335283 2005 OJ_{9} 12 30.9 170°.32 2°.6/30.7 18

11 27	7 15.99	+30 40.4	2.168	2.974	12.9	22.2
12 7	7 8.24	+30 56.8	2.090	2.980	9.7	22.0
12 17	6 58.00	+31 8.5	2.037	2.984	6.2	21.8
12 27	6 46.13	+31 11.5	2.014	2.988	3.1	21.6
1 6	6 33.83	+31 3.7	2.021	2.991	3.7	21.7
1 16	6 22.36	+30 44.9	2.059	2.993	7.1	21.9
1 26	6 12.85	+30 17.5	2.126	2.994	10.5	22.1
2 5	6 6.01	+29 45.1	2.216	2.994	13.5	22.3

329664 2003 TZ_{12} 12 30.9 49°.76 7°.9/31.8 18

11 27	7 6.45	+ 3 44.4	1.917	2.699	15.2	19.8
12 7	7 0.95	+ 2 24.9	1.865	2.720	12.5	19.7
12 17	6 53.47	+ 1 20.7	1.835	2.741	9.8	19.5
12 27	6 44.79	+ 0 35.8	1.831	2.762	8.1	19.5
1 6	6 35.90	+ 0 12.2	1.854	2.783	8.1	19.5
1 16	6 27.79	+ 0 9.5	1.904	2.805	9.8	19.7
1 26	6 21.33	+ 0 25.0	1.979	2.827	12.2	19.9
2 5	6 17.05	+ 0 54.4	2.076	2.849	14.5	20.1

150406 2000 EW_{136} 12 30.9 233°.85 7°.7/29.6 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
11 27	7 17.83	+41 11.8	1.843	2.644	15.0	20.0
12 7	7 10.79	+42 18.2	1.761	2.633	12.2	19.8
12 17	7 0.15	+43 14.0	1.701	2.622	9.5	19.6
12 27	6 46.89	+43 50.0	1.668	2.610	7.8	19.4
1 6	6 32.65	+44 0.0	1.663	2.598	8.4	19.5
1 16	6 19.31	+43 42.4	1.684	2.585	10.9	19.6
1 26	6 8.62	+43 1.7	1.730	2.572	13.9	19.7
2 5	6 1.62	+42 5.4	1.798	2.558	16.8	19.9

490803 2010 VD_{87} 12 30.9 353°.44 6°.6/29.4 17

11 27	7 9.89	+36 35.3	1.705	2.530	15.0	21.3
12 7	7 4.77	+37 54.8	1.635	2.527	11.8	21.1
12 17	6 56.44	+39 7.9	1.588	2.524	8.7	20.9
12 27	6 45.80	+40 6.0	1.566	2.522	6.7	20.8
1 6	6 34.33	+40 42.9	1.572	2.520	7.5	20.8
1 16	6 23.69	+40 56.1	1.604	2.519	10.3	21.0
1 26	6 15.44	+40 48.1	1.660	2.519	13.5	21.2
2 5	6 10.54	+40 24.3	1.737	2.519	16.5	21.4

485534 2011 UH_{54} 12 30.9 10°.15 4°.2/31.3 17

11 27	7 5.70	+15 20.0	1.377	2.214	17.2	20.7
12 7	7 1.35	+14 36.7	1.312	2.216	13.2	20.5
12 17	6 54.15	+14 2.3	1.269	2.219	8.7	20.2
12 27	6 45.08	+13 38.4	1.250	2.224	4.8	20.0
1 6	6 35.50	+13 25.8	1.257	2.229	5.2	20.1
1 16	6 26.87	+13 24.3	1.290	2.235	9.3	20.3
1 26	6 20.47	+13 32.5	1.347	2.242	13.6	20.6
2 5	6 17.05	+13 48.1	1.424	2.250	17.3	20.8

78130 2002 NL_{12} 12 30.9 218°.88 0°.8/31.2 18 R

11 27	7 9.15	+19 33.3	2.200	3.011	12.5	20.2
12 7	7 3.20	+19 49.7	2.108	3.002	9.4	20.0
12 17	6 55.04	+20 11.0	2.041	2.993	5.8	19.8
12 27	6 45.33	+20 35.4	2.003	2.984	1.9	19.5
1 6	6 35.05	+21 0.6	1.996	2.973	2.5	19.5
1 16	6 25.24	+21 24.9	2.019	2.962	6.5	19.8
1 26	6 16.94	+21 47.4	2.070	2.951	10.2	20.0
2 5	6 10.88	+22 7.7	2.145	2.939	13.4	20.2

488096 2015 VU_{62} 12 31.0 131°.74 0°.0/30.8 17

11 27	7 9.60	+20 24.5	2.265	3.075	12.3	22.2
12 7	7 3.34	+21 7.1	2.194	3.088	9.1	22.1
12 17	6 55.00	+21 54.4	2.148	3.100	5.5	21.9
12 27	6 45.30	+22 43.3	2.132	3.112	1.6	21.6
1 6	6 35.18	+23 30.4	2.146	3.124	2.4	21.7
1 16	6 25.66	+24 13.4	2.192	3.135	6.1	22.0
1 26	6 17.68	+24 50.9	2.267	3.145	9.5	22.2
2 5	6 11.89	+25 22.9	2.366	3.155	12.4	22.4

235533 2004 CJ_{70} 12 31.0 349°.23 2°.9/31.9 18

11 27	7 3.78	+12 45.9	2.030	2.842	13.4	20.0
12 7	6 59.27	+13 4.0	1.948	2.838	10.3	19.8
12 17	6 52.67	+13 33.2	1.890	2.835	6.8	19.6
12 27	6 44.65	+14 12.9	1.859	2.832	3.6	19.3
1 6	6 36.12	+15 0.8	1.857	2.829	3.7	19.3
1 16	6 28.10	+15 54.0	1.884	2.827	6.9	19.5
1 26	6 21.54	+16 49.6	1.938	2.825	10.5	19.8
2 5	6 17.15	+17 44.9	2.016	2.824	13.6	20.0

305159 2007 VJ_{221} 12 31.0 107°.33 0°.4/31.1 18

11 27	7 9.65	+20 18.2	1.884	2.704	14.0	21.6
12 7	7 3.67	+20 41.2	1.817	2.716	10.4	21.4
12 17	6 55.31	+21 9.1	1.775	2.729	6.3	21.2
12 27	6 45.40	+21 39.3	1.760	2.741	1.9	20.9
1 6	6 35.07	+22 8.9	1.775	2.752	2.7	21.0
1 16	6 25.51	+22 35.9	1.819	2.764	7.0	21.3
1 26	6 17.80	+22 59.4	1.890	2.775	10.8	21.6
2 5	6 12.62	+23 19.4	1.984	2.786	14.0	21.8

231232 2005 XB_{25} 12 31.0 317°.28 2°.6/30.5 18

11 27	7 8.22	+25 54.8	1.345	2.191	17.0	20.0
12 7	7 4.02	+26 45.2	1.261	2.173	12.9	19.7
12 17	6 56.27	+27 40.0	1.198	2.156	8.1	19.4
12 27	6 45.84	+28 33.0	1.160	2.140	3.3	19.1
1 6	6 34.24	+29 17.6	1.148	2.124	4.7	19.1
1 16	6 23.32	+29 49.4	1.162	2.108	9.9	19.4
1 26	6 14.92	+30 7.8	1.200	2.093	15.0	19.6
2 5	6 10.20	+30 15.2	1.257	2.080	19.3	19.9

188040 2001 UW_{176} 12 31.0 58°.13 3°.4/30.4 17

11 27	7 10.08	+30 48.0	1.836	2.661	14.1	20.2
12 7	7 4.31	+31 25.1	1.768	2.667	10.6	20.0
12 17	6 55.83	+31 58.6	1.723	2.673	6.9	19.8
12 27	6 45.57	+32 23.4	1.706	2.679	3.8	19.7
1 6	6 34.80	+32 36.0	1.717	2.685	4.5	19.7
1 16	6 24.90	+32 35.4	1.756	2.692	8.0	19.9
1 26	6 17.08	+32 23.6	1.821	2.698	11.6	20.2
2 5	6 12.11	+32 3.7	1.909	2.705	14.7	20.4