2169 Taiwan 12 13.0 7°.15 0°.2/13.0 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
11 7	5 48.77	+23 27.0	1.835	2.650	14.7	16.8
11 17	5 43.97	+23 31.1	1.756	2.650	11.2	16.5
11 27	5 36.59	+23 33.8	1.701	2.650	7.2	16.3
12 7	5 27.40	+23 33.8	1.671	2.651	2.8	16.0
12 17	5 17.46	+23 30.8	1.670	2.652	1.8	16.0
12 27	5 8.07	+23 25.6	1.698	2.653	6.3	16.3
1 6	5 0.37	+23 19.9	1.752	2.654	10.4	16.5
1 16	4 55.14	+23 15.9	1.831	2.655	14.0	16.7

149790 2005 GK_{20} 12 13.0 230°.45 3°.1/13.2 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 55.00	+28 48.5	1.564	2.375	17.0	20.6
11 17	5 49.53	+29 26.7	1.481	2.370	13.3	20.3
11 27	5 40.60	+30 0.5	1.420	2.364	8.9	20.0
12 7	5 29.07	+30 25.2	1.384	2.358	4.5	19.8
12 17	5 16.31	+30 37.2	1.375	2.352	3.7	19.7
12 27	5 4.14	+30 36.0	1.394	2.346	7.9	19.9
1 6	4 54.17	+30 24.8	1.439	2.339	12.4	20.2
1 16	4 47.50	+30 8.5	1.507	2.332	16.4	20.4

139409 2001 OC_{13} 12 13.0 87°.12 5°.3/14.4 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 56.28	+38 46.3	1.972	2.749	15.2	19.4
11 17	5 49.59	+39 1.6	1.909	2.769	12.2	19.2
11 27	5 40.03	+39 2.9	1.869	2.789	8.9	19.1
12 7	5 28.63	+38 46.5	1.854	2.809	6.1	19.0
12 17	5 16.73	+38 11.1	1.868	2.828	5.4	19.0
12 27	5 5.82	+37 19.3	1.911	2.848	7.4	19.1
1 6	4 57.07	+36 16.9	1.981	2.866	10.3	19.3
1 16	4 51.20	+35 10.5	2.076	2.885	13.1	19.6

138283 2000 GP_{30} 12 13.0 5°.90 1°.2/13.1 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 49.55	+25 47.0	1.690	2.508	15.6	20.1
11 17	5 44.84	+25 57.5	1.613	2.508	12.0	19.9
11 27	5 37.28	+26 4.6	1.559	2.508	7.8	19.6
12 7	5 27.69	+26 6.3	1.530	2.509	3.2	19.3
12 17	5 17.28	+26 1.8	1.529	2.510	2.2	19.3
12 27	5 7.49	+25 52.0	1.556	2.511	6.7	19.6
1 6	4 59.57	+25 39.3	1.609	2.513	11.0	19.8
1 16	4 54.39	+25 26.8	1.685	2.515	14.8	20.1

332525 2008 LB_{6} 12 13.0 101°.04 2°.5/12.6 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 53.06	+18 33.5	1.612	2.426	16.4	21.4
11 17	5 47.17	+18 0.2	1.550	2.442	12.6	21.2
11 27	5 38.54	+17 28.1	1.510	2.458	8.2	21.0
12 7	5 28.09	+16 58.4	1.496	2.473	3.8	20.8
12 17	5 17.09	+16 33.2	1.511	2.488	3.4	20.8
12 27	5 6.93	+16 14.6	1.554	2.503	7.5	21.1
1 6	4 58.78	+16 4.1	1.623	2.518	11.6	21.4
1 16	4 53.35	+16 2.6	1.716	2.532	15.2	21.6

175227 2005 GL_{112} 12 13.0 112°.16 3°.2/13.0 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 50.52	+12 42.2	1.875	2.678	14.9	20.1
11 17	5 45.11	+12 56.6	1.798	2.682	11.6	19.9
11 27	5 37.25	+13 19.5	1.744	2.686	7.8	19.7
12 7	5 27.65	+13 51.0	1.717	2.689	4.2	19.5
12 17	5 17.33	+14 30.4	1.719	2.693	3.7	19.5
12 27	5 7.48	+15 16.2	1.750	2.697	7.0	19.7
1 6	4 59.21	+16 6.8	1.809	2.700	10.8	19.9
1 16	4 53.28	+17 0.8	1.892	2.704	14.1	20.1

175233 2005 GP_{162} 12 13.0 196°.50 0°.2/12.9 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 50.91	+21 45.4	2.314	3.111	12.6	20.9
11 17	5 45.13	+22 1.9	2.224	3.109	9.6	20.7
11 27	5 37.15	+22 18.7	2.160	3.106	6.2	20.5
12 7	5 27.60	+22 34.8	2.123	3.102	2.4	20.3
12 17	5 17.35	+22 49.0	2.117	3.098	1.6	20.2
12 27	5 7.47	+23 1.2	2.141	3.094	5.5	20.5
1 6	4 58.92	+23 12.3	2.195	3.088	9.0	20.7
1 16	4 52.43	+23 23.3	2.274	3.083	12.1	20.9

298518 2003 WY_{32} 12 13.0 337°.95 2°.4/13.3 17

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 46.07	+27 48.3	1.298	2.138	18.2	20.3
11 17	5 43.24	+28 4.6	1.215	2.121	14.2	20.0
11 27	5 36.84	+28 15.4	1.152	2.105	9.5	19.6
12 7	5 27.70	+28 17.5	1.112	2.090	4.4	19.3
12 17	5 17.24	+28 9.0	1.097	2.077	3.3	19.2
12 27	5 7.34	+27 50.6	1.107	2.065	8.3	19.5
1 6	4 59.74	+27 26.4	1.140	2.054	13.6	19.7
1 16	4 55.59	+27 1.3	1.194	2.045	18.1	20.0

84691 2002 VT_{105} 12 13.0 57°.58 2°.3/13.4 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 50.89	+29 16.6	1.831	2.639	15.0	19.7
11 17	5 45.67	+29 26.2	1.755	2.643	11.6	19.4
11 27	5 37.71	+29 29.2	1.702	2.647	7.7	19.2
12 7	5 27.83	+29 23.4	1.675	2.650	3.7	19.0
12 17	5 17.23	+29 7.9	1.676	2.654	2.8	18.9
12 27	5 7.29	+28 43.9	1.706	2.658	6.5	19.2
1 6	4 59.20	+28 15.0	1.762	2.663	10.5	19.4
1 16	4 53.77	+27 45.2	1.843	2.667	13.9	19.7

109120 2001 QO_{43} 12 13.0 210°.06 1°.2/13.2 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
11 7	5 47.40	+27 11.9	2.472	3.271	11.8	20.0
11 17	5 42.36	+27 15.7	2.386	3.270	9.1	19.8
11 27	5 35.30	+27 15.6	2.324	3.269	5.9	19.6
12 7	5 26.87	+27 10.3	2.291	3.268	2.6	19.3
12 17	5 17.88	+26 59.5	2.287	3.267	1.8	19.3
12 27	5 9.30	+26 44.1	2.314	3.266	5.1	19.5
1 6	5 2.00	+26 25.9	2.369	3.265	8.3	19.7
1 16	4 56.63	+26 7.4	2.450	3.264	11.2	19.9

307342 2002 RQ_{66} 12 13.0 69°.08 4°.7/11.9 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 49.32	+14 15.4	1.733	2.545	15.5	20.5
11 17	5 44.12	+13 5.5	1.670	2.558	12.1	20.3
11 27	5 36.50	+11 58.8	1.630	2.570	8.3	20.1
12 7	5 27.31	+10 59.5	1.616	2.583	5.3	19.9
12 17	5 17.64	+10 11.3	1.630	2.596	5.3	20.0
12 27	5 8.68	+ 9 37.4	1.673	2.608	8.3	20.2
1 6	5 1.46	+ 9 18.9	1.741	2.621	11.8	20.4
1 16	4 56.64	+ 9 15.2	1.832	2.634	14.9	20.6

490546 2009 VB_{72} 12 13.0 33°.53 0°.3/13.0 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 52.06	+21 37.2	1.341	2.170	18.3	20.7
11 17	5 47.33	+22 12.9	1.274	2.175	14.0	20.4
11 27	5 39.16	+22 51.4	1.229	2.181	9.0	20.1
12 7	5 28.50	+23 29.5	1.207	2.187	3.5	19.8
12 17	5 16.80	+24 4.1	1.212	2.194	2.3	19.8
12 27	5 5.87	+24 33.9	1.244	2.201	7.8	20.1
1 6	4 57.26	+24 59.3	1.301	2.208	12.8	20.4
1 16	4 51.98	+25 22.3	1.379	2.216	17.0	20.7

226294 2003 BV_{52} 12 13.0 307°.10 1°.7/13.1 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 50.23	+25 47.1	1.400	2.229	17.7	20.8
11 17	5 46.31	+26 11.2	1.308	2.208	13.8	20.5
11 27	5 38.83	+26 33.5	1.237	2.188	9.1	20.2
12 7	5 28.52	+26 50.6	1.190	2.169	3.9	19.8
12 17	5 16.73	+26 59.7	1.168	2.149	2.9	19.7
12 27	5 5.30	+27 0.3	1.173	2.130	8.2	20.0
1 6	4 56.03	+26 55.0	1.203	2.112	13.5	20.2
1 16	4 50.17	+26 47.8	1.253	2.094	18.2	20.4

482470 2012 PA_{26} 12 13.0 200°.20 6°.7/15.1 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	6 3.55	+43 52.3	2.068	2.816	15.5	21.1
11 17	5 55.48	+43 59.7	1.977	2.812	12.9	20.9
11 27	5 44.04	+43 49.0	1.907	2.808	10.0	20.7
12 7	5 30.27	+43 14.5	1.864	2.802	7.5	20.5
12 17	5 15.72	+42 13.5	1.849	2.796	6.7	20.5
12 27	5 2.17	+40 48.7	1.863	2.788	8.4	20.6
1 6	4 51.08	+39 7.9	1.906	2.780	11.2	20.7
1 16	4 43.31	+37 20.6	1.975	2.772	14.2	20.9

44273 1998 QH_{70} 12 13.0 169°.87 3°.7/12.1 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 49.81	+14 16.7	2.245	3.041	13.0	19.2
11 17	5 44.10	+13 25.7	2.166	3.045	10.1	19.0
11 27	5 36.36	+12 37.0	2.111	3.049	6.9	18.9
12 7	5 27.27	+11 53.2	2.084	3.051	4.2	18.7
12 17	5 17.69	+11 16.8	2.087	3.053	4.2	18.7
12 27	5 8.59	+10 50.0	2.120	3.055	6.9	18.9
1 6	5 0.83	+10 34.0	2.181	3.056	10.0	19.1
1 16	4 55.05	+10 28.9	2.267	3.056	12.8	19.3

212495 2006 QU_{141} 12 13.0 198°.63 2°.4/12.7 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 49.22	+16 43.9	2.073	2.878	13.6	20.9
11 17	5 43.97	+16 30.0	1.990	2.876	10.5	20.7
11 27	5 36.45	+16 19.0	1.929	2.874	6.9	20.4
12 7	5 27.36	+16 11.4	1.896	2.872	3.4	20.2
12 17	5 17.61	+16 8.2	1.893	2.869	3.0	20.2
12 27	5 8.30	+16 10.1	1.919	2.866	6.4	20.4
1 6	5 0.41	+16 17.7	1.973	2.863	10.1	20.6
1 16	4 54.66	+16 31.2	2.051	2.860	13.3	20.8

127619 2003 BV_{53} 12 13.0 267°.64 1°.3/12.9 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 51.09	+19 33.7	1.646	2.463	16.0	20.4
11 17	5 46.17	+19 37.7	1.557	2.451	12.4	20.1
11 27	5 38.29	+19 44.1	1.490	2.440	8.1	19.9
12 7	5 28.19	+19 52.2	1.449	2.428	3.3	19.6
12 17	5 17.02	+20 1.7	1.435	2.416	2.5	19.5
12 27	5 6.27	+20 12.7	1.450	2.404	7.3	19.7
1 6	4 57.33	+20 25.9	1.491	2.392	12.0	20.0
1 16	4 51.17	+20 42.5	1.555	2.380	16.0	20.2

12081 1998 FH_{115} 12 13.0 43°.05 0°.8/13.2 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 53.54	+26 57.5	1.074	1.916	21.0	16.6
11 17	5 48.66	+26 31.0	1.030	1.936	16.0	16.4
11 27	5 39.91	+25 56.2	1.004	1.958	10.3	16.1
12 7	5 28.68	+25 12.9	1.001	1.981	4.0	15.9
12 17	5 16.89	+24 23.2	1.022	2.004	2.5	15.8
12 27	5 6.57	+23 32.5	1.069	2.028	8.4	16.3
1 6	4 59.22	+22 46.6	1.139	2.053	13.7	16.6
1 16	4 55.56	+22 9.7	1.230	2.078	18.0	17.0

163476 2002 RU_{218} 12 13.0 180°.74 5°.4/12.0 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
11 7	5 44.86	+ 5 33.5	2.638	3.418	11.7	20.4
11 17	5 40.11	+ 4 56.5	2.559	3.418	9.5	20.2
11 27	5 33.74	+ 4 27.7	2.504	3.419	7.3	20.1
12 7	5 26.28	+ 4 9.6	2.476	3.419	5.6	20.0
12 17	5 18.38	+ 4 4.1	2.477	3.418	5.6	20.0
12 27	5 10.82	+ 4 11.9	2.507	3.418	7.2	20.1
1 6	5 4.27	+ 4 32.3	2.564	3.417	9.5	20.2
1 16	4 59.28	+ 5 3.9	2.645	3.417	11.7	20.4

414354 2008 TP_{50} 12 13.0 40°.95 4°.2/12.2 17

11 7	5 45.48	+12 33.8	2.107	2.913	13.4	21.1
11 17	5 40.93	+11 53.2	2.037	2.921	10.4	20.9
11 27	5 34.40	+11 17.6	1.991	2.929	7.3	20.8
12 7	5 26.55	+10 49.4	1.971	2.937	4.6	20.6
12 17	5 18.23	+10 30.6	1.980	2.945	4.6	20.6
12 27	5 10.40	+10 22.8	2.018	2.954	7.1	20.8
1 6	5 3.91	+10 25.9	2.082	2.963	10.1	21.0
1 16	4 59.36	+10 39.4	2.170	2.972	12.9	21.2

68079 2000 YM_{95} 12 13.0 40°.72 0°.3/12.9 18

11 7	5 50.57	+24 10.3	1.572	2.394	16.4	19.3
11 17	5 45.64	+23 47.0	1.501	2.398	12.6	19.0
11 27	5 37.78	+23 19.4	1.452	2.403	8.1	18.8
12 7	5 27.91	+22 47.7	1.428	2.408	3.1	18.5
12 17	5 17.33	+22 13.0	1.431	2.413	2.1	18.4
12 27	5 7.51	+21 38.3	1.463	2.418	7.1	18.8
1 6	4 59.72	+21 6.9	1.520	2.424	11.6	19.0
1 16	4 54.76	+20 42.0	1.601	2.430	15.4	19.3

33817 Fariswald 12 13.0 224°.17 2°.0/12.9 18

11 7	5 51.79	+18 5.8	1.644	2.459	16.1	19.1
11 17	5 46.57	+18 3.6	1.563	2.455	12.5	18.9
11 27	5 38.46	+18 4.5	1.503	2.451	8.1	18.6
12 7	5 28.23	+18 8.7	1.469	2.447	3.6	18.3
12 17	5 17.08	+18 16.2	1.463	2.442	2.9	18.3
12 27	5 6.44	+18 27.2	1.485	2.437	7.4	18.5
1 6	4 57.64	+18 42.4	1.534	2.432	11.9	18.8
1 16	4 51.59	+19 2.2	1.605	2.427	15.8	19.0

464616 2016 CE_{175} 12 13.0 319°.06 3°.0/12.6 17

11 7	5 45.48	+15 16.3	2.112	2.921	13.2	21.3
11 17	5 41.13	+14 55.2	2.024	2.913	10.3	21.1
11 27	5 34.67	+14 37.6	1.961	2.905	6.9	20.9
12 7	5 26.71	+14 25.0	1.924	2.897	3.8	20.7
12 17	5 18.10	+14 18.4	1.916	2.889	3.5	20.7
12 27	5 9.86	+14 19.1	1.936	2.882	6.6	20.8
1 6	5 2.92	+14 27.3	1.984	2.875	10.0	21.0
1 16	4 57.97	+14 43.1	2.056	2.868	13.1	21.2

330625 2008 EJ_{39} 12 13.0 82°.71 1°.5/12.9 18

11 7	5 49.07	+18 44.2	1.965	2.774	14.1	20.8
11 17	5 43.91	+18 45.2	1.892	2.783	10.8	20.6
11 27	5 36.43	+18 48.4	1.843	2.791	6.9	20.4
12 7	5 27.36	+18 53.7	1.821	2.799	2.9	20.1
12 17	5 17.69	+19 0.9	1.827	2.807	2.3	20.1
12 27	5 8.56	+19 10.3	1.864	2.815	6.2	20.4
1 6	5 0.98	+19 22.4	1.927	2.824	9.9	20.6
1 16	4 55.64	+19 37.8	2.015	2.832	13.2	20.9

422139 2014 QO_{430} 12 13.0 69°.69 3°.1/13.7 16

11 7	5 51.93	+32 28.1	2.073	2.868	14.0	21.7
11 17	5 46.04	+32 41.3	2.013	2.890	10.9	21.5
11 27	5 37.70	+32 46.1	1.975	2.912	7.4	21.3
12 7	5 27.80	+32 40.0	1.964	2.934	4.1	21.2
12 17	5 17.44	+32 22.2	1.983	2.956	3.4	21.2
12 27	5 7.85	+31 54.4	2.030	2.978	6.1	21.4
1 6	5 0.04	+31 20.3	2.106	3.000	9.3	21.6
1 16	4 54.67	+30 43.8	2.206	3.022	12.2	21.9

197455 2003 YN_{119} 12 13.0 1°.41 2°.4/13.4 17

11 7	5 47.11	+29 11.1	1.868	2.682	14.5	20.3
11 17	5 42.84	+29 27.9	1.790	2.681	11.3	20.1
11 27	5 35.96	+29 39.0	1.735	2.680	7.5	19.9
12 7	5 27.24	+29 42.1	1.705	2.681	3.7	19.6
12 17	5 17.76	+29 36.0	1.703	2.681	2.9	19.6
12 27	5 8.84	+29 21.4	1.730	2.683	6.4	19.8
1 6	5 1.62	+29 1.1	1.783	2.685	10.2	20.1
1 16	4 56.91	+28 38.7	1.859	2.688	13.6	20.3

43579 2001 KW_{26} 12 13.0 86°.26 1°.3/12.9 18

11 7	5 55.57	+20 39.8	1.573	2.385	16.9	20.0
11 17	5 49.05	+20 24.8	1.520	2.412	12.8	19.8
11 27	5 39.70	+20 9.8	1.491	2.439	8.2	19.6
12 7	5 28.57	+19 54.8	1.487	2.466	3.3	19.3
12 17	5 16.99	+19 40.5	1.511	2.492	2.5	19.4
12 27	5 6.42	+19 28.7	1.565	2.517	7.1	19.7
1 6	4 58.02	+19 21.0	1.645	2.542	11.3	20.0
1 16	4 52.48	+19 19.0	1.748	2.567	14.8	20.3

279572 2011 DU_{12} 12 13.0 297°.81 2°.8/12.6 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
11 7	5 45.79	+15 24.9	2.216	3.022	12.8	20.8
11 17	5 41.29	+15 7.0	2.126	3.013	9.9	20.6
11 27	5 34.75	+14 52.4	2.059	3.003	6.7	20.4
12 7	5 26.75	+14 42.3	2.020	2.993	3.6	20.1
12 17	5 18.11	+14 37.7	2.010	2.984	3.3	20.1
12 27	5 9.81	+14 39.8	2.029	2.974	6.3	20.3
1 6	5 2.74	+14 48.7	2.075	2.965	9.7	20.5
1 16	4 57.60	+15 4.4	2.146	2.956	12.7	20.7

471939 2013 RX_{23} 12 13.0 13°.83 0°.2/13.0 18

11 7	5 48.96	+24 6.9	1.051	1.902	20.7	20.5
11 17	5 45.65	+23 59.2	0.992	1.904	15.9	20.2
11 27	5 38.38	+23 47.8	0.951	1.908	10.3	20.0
12 7	5 28.29	+23 32.0	0.932	1.913	4.0	19.6
12 17	5 17.14	+23 11.9	0.937	1.919	2.6	19.6
12 27	5 7.05	+22 50.3	0.966	1.926	8.9	19.9
1 6	4 59.74	+22 31.2	1.017	1.935	14.5	20.3
1 16	4 56.22	+22 18.0	1.088	1.944	19.2	20.6

169921 2002 SB_{15} 12 13.0 54°.00 1°.1/12.7 18

11 7	5 52.18	+24 7.9	1.563	2.382	16.6	18.6
11 17	5 46.52	+23 9.4	1.507	2.403	12.6	18.4
11 27	5 38.10	+22 5.5	1.474	2.424	8.0	18.2
12 7	5 27.96	+20 58.2	1.466	2.446	3.1	18.0
12 17	5 17.43	+19 51.3	1.487	2.467	2.4	18.0
12 27	5 7.92	+18 49.4	1.536	2.489	7.1	18.3
1 6	5 0.52	+17 56.7	1.612	2.511	11.3	18.6
1 16	4 55.89	+17 15.7	1.711	2.533	14.9	18.9

187114 2005 QK_{69} 12 13.0 128°.99 1°.1/12.9 18

11 7	5 53.92	+19 12.3	1.688	2.498	16.0	20.5
11 17	5 48.00	+19 27.3	1.618	2.508	12.3	20.3
11 27	5 39.25	+19 45.3	1.569	2.517	7.9	20.0
12 7	5 28.51	+20 5.0	1.547	2.526	3.2	19.8
12 17	5 17.00	+20 25.2	1.554	2.535	2.3	19.7
12 27	5 6.16	+20 45.5	1.590	2.543	6.9	20.0
1 6	4 57.22	+21 6.4	1.653	2.551	11.2	20.3
1 16	4 51.02	+21 28.5	1.739	2.558	14.9	20.6

163790 2003 QE_{43} 12 13.0 50°.29 0°.4/12.9 18

11 7	5 51.04	+22 13.2	1.476	2.301	17.1	20.5
11 17	5 46.04	+22 14.1	1.417	2.316	13.1	20.2
11 27	5 38.04	+22 14.3	1.380	2.332	8.3	20.0
12 7	5 28.03	+22 12.9	1.368	2.348	3.2	19.8
12 17	5 17.36	+22 9.8	1.382	2.364	2.1	19.7
12 27	5 7.56	+22 6.1	1.425	2.381	7.2	20.1
1 6	4 59.90	+22 3.5	1.493	2.398	11.6	20.4
1 16	4 55.16	+22 4.1	1.583	2.415	15.4	20.7

57231 2001 QS_{77} 12 13.0 140°.25 1°.7/13.2 18

11 7	5 50.77	+27 9.3	2.109	2.911	13.5	18.8
11 17	5 45.29	+27 32.0	2.029	2.914	10.4	18.6
11 27	5 37.38	+27 51.2	1.974	2.918	6.8	18.4
12 7	5 27.78	+28 4.6	1.945	2.922	3.1	18.2
12 17	5 17.48	+28 10.7	1.946	2.925	2.3	18.1
12 27	5 7.68	+28 9.8	1.976	2.928	5.9	18.4
1 6	4 59.44	+28 3.8	2.035	2.931	9.5	18.6
1 16	4 53.53	+27 55.4	2.118	2.934	12.6	18.8

98067 2000 RQ_{52} 12 13.0 37°.36 1°.1/13.1 18

11 7	5 51.20	+24 29.4	1.279	2.113	18.8	18.2
11 17	5 46.63	+24 50.6	1.226	2.129	14.3	18.0
11 27	5 38.62	+25 9.6	1.193	2.146	9.2	17.8
12 7	5 28.29	+25 23.7	1.184	2.163	3.7	17.5
12 17	5 17.20	+25 31.3	1.200	2.182	2.5	17.5
12 27	5 7.13	+25 33.0	1.243	2.201	7.7	17.8
1 6	4 59.54	+25 31.4	1.311	2.221	12.5	18.2
1 16	4 55.26	+25 29.7	1.400	2.241	16.5	18.5

159827 Keithmullen 12 13.0 94°.84 1°.5/12.7 18

11 7	5 47.47	+19 25.4	2.369	3.171	12.2	20.3
11 17	5 42.26	+19 7.0	2.298	3.185	9.3	20.1
11 27	5 35.17	+18 48.9	2.252	3.198	6.0	20.0
12 7	5 26.86	+18 31.8	2.234	3.212	2.6	19.8
12 17	5 18.13	+18 16.5	2.246	3.225	2.1	19.7
12 27	5 9.90	+18 4.3	2.288	3.238	5.4	20.0
1 6	5 2.96	+17 56.1	2.359	3.251	8.6	20.2
1 16	4 57.89	+17 52.8	2.455	3.263	11.4	20.4

395909 2013 AA_{80} 12 13.0 213°.65 1°.0/12.9 18

11 7	5 49.97	+20 34.6	1.812	2.625	14.9	21.0
11 17	5 44.92	+20 31.9	1.732	2.625	11.4	20.8
11 27	5 37.27	+20 29.8	1.675	2.624	7.4	20.5
12 7	5 27.77	+20 27.9	1.644	2.623	3.0	20.3
12 17	5 17.51	+20 26.3	1.642	2.623	2.2	20.2
12 27	5 7.77	+20 25.7	1.668	2.622	6.6	20.5
1 6	4 59.72	+20 27.4	1.722	2.621	10.7	20.7
1 16	4 54.16	+20 32.6	1.799	2.621	14.3	21.0

256493 2007 EZ_{45} 12 13.0 327.°46 1.°2/13.2 17

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
11 7	5 47.71	+26 7.7	1.767	2.586	15.0	21.0
11 17	5 43.51	+26 15.9	1.679	2.574	11.6	20.8
11 27	5 36.56	+26 20.5	1.613	2.563	7.6	20.5
12 7	5 27.58	+26 19.8	1.573	2.552	3.2	20.2
12 17	5 17.67	+26 12.8	1.561	2.542	2.2	20.1
12 27	5 8.22	+26 0.4	1.576	2.532	6.6	20.4
1 6	5 0.49	+25 45.1	1.618	2.523	10.9	20.6
1 16	4 55.37	+25 29.8	1.683	2.514	14.7	20.9

329553 2002 TW_{377} 12 13.0 122.°48 0.°1/13.1 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 47.70	+23 26.7	2.660	3.457	11.2	22.1
11 17	5 42.34	+23 29.0	2.584	3.468	8.5	21.9
11 27	5 35.21	+23 29.7	2.533	3.479	5.4	21.8
12 7	5 26.90	+23 28.4	2.510	3.490	2.1	21.6
12 17	5 18.17	+23 24.7	2.519	3.500	1.4	21.5
12 27	5 9.85	+23 19.5	2.558	3.510	4.7	21.8
1 6	5 2.71	+23 13.8	2.626	3.520	7.7	22.0
1 16	4 57.31	+23 9.1	2.720	3.530	10.4	22.2

463064 2011 HZ_{91} 12 13.0 247.°35 4.°2/12.0 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 44.90	+10 40.9	2.562	3.356	11.6	21.7
11 17	5 40.29	+10 0.3	2.475	3.349	9.2	21.5
11 27	5 33.95	+ 9 24.4	2.412	3.343	6.6	21.3
12 7	5 26.45	+ 8 55.7	2.376	3.336	4.6	21.2
12 17	5 18.45	+ 8 36.0	2.371	3.329	4.5	21.2
12 27	5 10.77	+ 8 26.7	2.394	3.322	6.6	21.3
1 6	5 4.14	+ 8 28.3	2.446	3.315	9.2	21.5
1 16	4 59.12	+ 8 40.1	2.522	3.308	11.7	21.6

172704 2004 BS_{31} 12 13.0 273.°90 0.°3/13.1 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 49.96	+23 27.9	1.887	2.698	14.5	20.4
11 17	5 45.03	+23 37.7	1.796	2.688	11.2	20.2
11 27	5 37.44	+23 46.5	1.728	2.677	7.2	20.0
12 7	5 27.91	+23 52.8	1.687	2.667	2.8	19.7
12 17	5 17.48	+23 55.7	1.675	2.656	1.8	19.6
12 27	5 7.44	+23 55.6	1.691	2.646	6.4	19.8
1 6	4 59.01	+23 54.1	1.735	2.635	10.6	20.1
1 16	4 53.07	+23 53.2	1.802	2.624	14.3	20.3

151343 2002 CM_{241} 12 13.0 247.°39 7.°1/11.7 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 45.97	+ 3 15.7	2.239	3.019	13.5	20.0
11 17	5 41.31	+ 2 21.5	2.158	3.013	11.2	19.9
11 27	5 34.71	+ 1 37.7	2.100	3.006	8.9	19.7
12 7	5 26.77	+ 1 8.1	2.068	3.000	7.3	19.6
12 17	5 18.26	+ 0 55.7	2.063	2.994	7.4	19.6
12 27	5 10.10	+ 1 2.0	2.086	2.987	9.0	19.7
1 6	5 3.14	+ 1 25.9	2.135	2.980	11.4	19.8
1 16	4 58.00	+ 2 5.1	2.206	2.973	13.8	20.0

4625 Shchedrin 12 13.0 6.°73 0.°7/13.1 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 45.26	+24 3.8	1.135	1.987	19.5	16.4
11 17	5 42.65	+24 16.7	1.075	1.987	15.0	16.2
11 27	5 36.42	+24 27.8	1.033	1.990	9.7	15.9
12 7	5 27.60	+24 35.2	1.013	1.994	3.8	15.6
12 17	5 17.74	+24 37.7	1.018	2.000	2.5	15.5
12 27	5 8.76	+24 36.2	1.046	2.007	8.3	15.9
1 6	5 2.27	+24 33.1	1.098	2.017	13.6	16.2
1 16	4 59.24	+24 31.4	1.170	2.027	18.0	16.5

159452 2000 BC_{38} 12 13.0 110.°20 0.°9/12.9 17

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 47.52	+20 25.6	2.334	3.138	12.3	21.0
11 17	5 42.46	+20 22.3	2.256	3.143	9.4	20.8
11 27	5 35.41	+20 19.3	2.202	3.149	6.0	20.6
12 7	5 27.02	+20 16.6	2.176	3.155	2.4	20.4
12 17	5 18.12	+20 14.2	2.180	3.161	1.8	20.3
12 27	5 9.66	+20 12.9	2.214	3.166	5.3	20.6
1 6	5 2.48	+20 13.5	2.277	3.172	8.7	20.8
1 16	4 57.22	+20 17.0	2.365	3.177	11.6	21.0

493066 2014 SP_{292} 12 13.0 154.°96 3.°8/13.6 17

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 50.61	+33 56.3	2.389	3.174	12.6	21.0
11 17	5 45.11	+34 31.4	2.306	3.176	10.0	20.9
11 27	5 37.28	+34 59.4	2.247	3.178	7.1	20.7
12 7	5 27.79	+35 16.9	2.216	3.179	4.5	20.5
12 17	5 17.61	+35 21.8	2.213	3.180	4.0	20.5
12 27	5 7.87	+35 14.2	2.241	3.182	6.2	20.6
1 6	4 59.61	+34 56.7	2.296	3.183	9.0	20.8
1 16	4 53.58	+34 32.7	2.377	3.184	11.7	21.0

404694 2014 HJ_{185} 12 13.0 217.°33 1.°0/12.9 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 51.09	+19 49.3	2.158	2.958	13.3	21.4
11 17	5 45.48	+19 55.2	2.065	2.951	10.2	21.2
11 27	5 37.54	+20 2.6	1.997	2.943	6.6	20.9
12 7	5 27.91	+20 10.7	1.956	2.935	2.7	20.7
12 17	5 17.51	+20 19.3	1.945	2.926	2.0	20.6
12 27	5 7.46	+20 28.4	1.965	2.917	5.9	20.9
1 6	4 58.80	+20 38.7	2.013	2.907	9.7	21.1
1 16	4 52.32	+20 51.2	2.086	2.896	13.0	21.3

314351 2005 TB_{130} 12 13.0 33.°73 1.°0/13.2 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
11 7	5 49.27	+25 35.1	1.915	2.726	14.3	21.4
11 17	5 44.34	+25 46.3	1.838	2.729	11.0	21.2
11 27	5 36.87	+25 54.5	1.784	2.732	7.1	21.0
12 7	5 27.65	+25 58.2	1.756	2.735	2.9	20.7
12 17	5 17.71	+25 56.3	1.757	2.739	2.0	20.6
12 27	5 8.33	+25 49.8	1.788	2.742	6.1	20.9
1 6	5 0.61	+25 40.5	1.845	2.746	10.0	21.2
1 16	4 55.31	+25 31.0	1.927	2.750	13.4	21.4

326763 2003 SA_{135} 12 13.0 67.°34 7.°7/11.7 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 45.19	+ 1 3.1	2.255	3.029	13.6	20.5
11 17	5 40.63	+ 0 5.0	2.185	3.031	11.4	20.3
11 27	5 34.22	− 0 41.0	2.137	3.034	9.3	20.2
12 7	5 26.56	− 1 11.0	2.115	3.037	7.9	20.1
12 17	5 18.43	− 1 21.9	2.120	3.040	7.9	20.1
12 27	5 10.71	− 1 12.8	2.152	3.042	9.4	20.2
1 6	5 4.18	− 0 45.0	2.210	3.045	11.5	20.3
1 16	4 59.44	− 0 1.5	2.290	3.048	13.6	20.5

322631 1998 QA_{103} 12 13.0 57.°74 6.°9/14.4 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 56.50	+41 23.2	1.964	2.735	15.5	19.7
11 17	5 50.07	+42 22.1	1.913	2.762	12.7	19.6
11 27	5 40.58	+43 6.5	1.884	2.790	9.8	19.4
12 7	5 29.04	+43 30.7	1.881	2.818	7.5	19.4
12 17	5 16.86	+43 31.7	1.904	2.846	7.0	19.4
12 27	5 5.64	+43 10.6	1.955	2.874	8.5	19.5
1 6	4 56.67	+42 32.6	2.032	2.901	10.9	19.7
1 16	4 50.73	+41 44.4	2.132	2.929	13.3	19.9

191438 2003 SP_{178} 12 13.0 139.°91 4.°4/13.9 17

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 51.41	+36 35.4	2.370	3.149	12.9	20.2
11 17	5 45.74	+37 2.4	2.289	3.152	10.3	20.1
11 27	5 37.67	+37 19.9	2.231	3.155	7.5	19.9
12 7	5 27.93	+37 24.5	2.201	3.158	5.1	19.7
12 17	5 17.54	+37 14.5	2.199	3.161	4.5	19.7
12 27	5 7.67	+36 50.4	2.226	3.163	6.4	19.8
1 6	4 59.40	+36 15.7	2.282	3.166	9.2	20.0
1 16	4 53.44	+35 34.7	2.362	3.168	11.8	20.2

491476 2012 HV_{18} 12 13.0 144.°43 4.°8/12.4 17

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 45.53	+ 6 36.8	2.710	3.490	11.4	21.9
11 17	5 40.59	+ 6 12.6	2.634	3.496	9.2	21.7
11 27	5 34.07	+ 5 56.3	2.583	3.502	6.8	21.6
12 7	5 26.49	+ 5 49.8	2.559	3.508	5.1	21.5
12 17	5 18.51	+ 5 54.4	2.565	3.513	5.0	21.5
12 27	5 10.88	+ 6 10.4	2.600	3.519	6.7	21.6
1 6	5 4.26	+ 6 37.0	2.663	3.524	8.9	21.8
1 16	4 59.17	+ 7 12.6	2.751	3.528	11.1	21.9

251273 2006 WX_{39} 12 13.0 109.°62 3.°2/12.4 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 49.78	+15 2.9	2.244	3.041	12.9	21.1
11 17	5 44.00	+14 24.8	2.179	3.060	10.0	21.0
11 27	5 36.28	+13 49.8	2.139	3.079	6.7	20.8
12 7	5 27.32	+13 19.5	2.127	3.098	3.8	20.6
12 17	5 18.00	+12 55.7	2.145	3.116	3.6	20.7
12 27	5 9.25	+12 39.9	2.193	3.133	6.3	20.9
1 6	5 1.90	+12 32.9	2.270	3.150	9.4	21.1
1 16	4 56.50	+12 34.5	2.371	3.167	12.1	21.3

248277 2005 JU_{42} 12 13.0 115.°64 1.°8/13.2 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 53.50	+27 25.8	2.227	3.020	13.2	20.8
11 17	5 47.14	+27 56.3	2.158	3.038	10.1	20.6
11 27	5 38.46	+28 23.1	2.114	3.056	6.6	20.5
12 7	5 28.21	+28 43.7	2.097	3.073	3.1	20.3
12 17	5 17.40	+28 56.2	2.111	3.090	2.4	20.2
12 27	5 7.17	+29 1.0	2.156	3.106	5.6	20.5
1 6	4 58.53	+28 59.7	2.229	3.122	9.0	20.7
1 16	4 52.16	+28 55.0	2.328	3.137	11.9	20.9

307639 2003 SA_{121} 12 13.1 148.°20 2.°1/12.9 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 55.18	+17 7.7	1.690	2.496	16.1	20.9
11 17	5 48.94	+17 11.9	1.618	2.505	12.4	20.7
11 27	5 39.87	+17 20.3	1.568	2.514	8.1	20.4
12 7	5 28.82	+17 32.7	1.545	2.522	3.7	20.2
12 17	5 16.99	+17 48.4	1.550	2.529	2.9	20.2
12 27	5 5.83	+18 7.4	1.585	2.535	7.2	20.4
1 6	4 56.57	+18 29.8	1.647	2.541	11.5	20.7
1 16	4 50.05	+18 55.6	1.732	2.546	15.1	21.0

449197 2013 CV_{36} 12 13.1 295.°50 7.°5/12.2 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 47.35	+ 5 20.5	1.752	2.551	15.9	20.7
11 17	5 43.00	+ 4 35.9	1.667	2.538	13.1	20.5
11 27	5 36.14	+ 4 2.8	1.603	2.524	10.1	20.3
12 7	5 27.44	+ 3 46.0	1.564	2.511	7.9	20.1
12 17	5 17.89	+ 3 48.6	1.551	2.497	7.8	20.1
12 27	5 8.70	+ 4 12.0	1.564	2.484	10.1	20.2
1 6	5 1.01	+ 4 54.6	1.602	2.471	13.3	20.4
1 16	4 55.67	+ 5 52.9	1.663	2.458	16.4	20.5

112000 2002 GO_{137} 12 13.1 210°.06 2°.6/13.4 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
11 7	5 55.95	+29 30.4	1.697	2.501	16.2	20.6
11 17	5 50.00	+29 43.9	1.611	2.496	12.6	20.4
11 27	5 40.82	+29 50.6	1.548	2.491	8.5	20.1
12 7	5 29.28	+29 47.0	1.510	2.485	4.1	19.8
12 17	5 16.71	+29 31.3	1.500	2.479	3.1	19.8
12 27	5 4.75	+29 4.6	1.519	2.472	7.3	20.0
1 6	4 54.89	+28 31.2	1.565	2.464	11.7	20.2
1 16	4 48.10	+27 56.2	1.635	2.456	15.5	20.5

441244 2007 VS_{240} 12 13.1 29°.64 1°.6/13.2 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 51.34	+15 47.8	1.381	2.206	18.1	19.8
11 17	5 46.57	+16 39.5	1.320	2.218	13.9	19.5
11 27	5 38.63	+17 40.9	1.280	2.230	9.0	19.3
12 7	5 28.42	+18 49.4	1.265	2.243	3.8	19.0
12 17	5 17.32	+20 0.9	1.277	2.258	2.6	19.0
12 27	5 6.96	+21 11.7	1.316	2.273	7.6	19.3
1 6	4 58.76	+22 19.0	1.382	2.288	12.3	19.6
1 16	4 53.64	+23 22.1	1.470	2.305	16.3	19.9

373958 2003 WB_{91} 12 13.1 19°.77 2°.7/13.1 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 51.73	+25 58.0	1.120	1.962	20.3	20.3
11 17	5 47.86	+26 47.7	1.060	1.966	15.7	20.1
11 27	5 39.95	+27 36.0	1.018	1.971	10.4	19.8
12 7	5 29.05	+28 17.2	0.999	1.978	4.7	19.5
12 17	5 16.90	+28 46.8	1.005	1.985	3.6	19.4
12 27	5 5.71	+29 3.4	1.035	1.993	8.9	19.8
1 6	4 57.33	+29 9.9	1.088	2.001	14.2	20.1
1 16	4 52.86	+29 10.9	1.162	2.011	18.7	20.4

458479 2011 BF_{107} 12 13.1 2°.70 1°.8/13.5 17

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 48.55	+29 27.4	1.881	2.691	14.6	20.7
11 17	5 43.88	+29 16.2	1.801	2.690	11.3	20.5
11 27	5 36.63	+28 57.3	1.745	2.690	7.4	20.3
12 7	5 27.59	+28 29.4	1.714	2.691	3.4	20.1
12 17	5 17.89	+27 52.9	1.712	2.692	2.4	20.0
12 27	5 8.81	+27 10.0	1.738	2.693	6.2	20.2
1 6	5 1.47	+26 24.8	1.792	2.695	10.2	20.5
1 16	4 56.64	+25 41.5	1.869	2.697	13.6	20.7

250683 2005 QD_{31} 12 13.1 137°.49 5°.4/14.1 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 55.73	+39 50.1	2.397	3.160	13.2	21.0
11 17	5 49.08	+40 29.5	2.323	3.171	10.7	20.8
11 27	5 39.84	+40 57.6	2.272	3.182	8.2	20.7
12 7	5 28.80	+41 10.1	2.248	3.192	6.0	20.6
12 17	5 17.10	+41 4.3	2.252	3.202	5.5	20.5
12 27	5 6.03	+40 41.0	2.286	3.211	7.1	20.7
1 6	4 56.73	+40 3.9	2.348	3.220	9.5	20.8
1 16	4 49.97	+39 18.4	2.435	3.228	11.9	21.0

386899 2011 HP_{12} 12 13.1 174°.32 1°.0/12.9 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 52.78	+20 3.2	2.075	2.875	13.8	22.2
11 17	5 46.75	+20 5.1	1.993	2.878	10.6	22.0
11 27	5 38.33	+20 7.8	1.934	2.880	6.8	21.7
12 7	5 28.24	+20 10.9	1.904	2.882	2.8	21.5
12 17	5 17.46	+20 14.1	1.903	2.883	2.0	21.4
12 27	5 7.16	+20 17.9	1.932	2.884	6.0	21.7
1 6	4 58.39	+20 23.1	1.990	2.884	9.8	21.9
1 16	4 51.91	+20 31.0	2.073	2.883	13.1	22.1

159809 2003 SQ_{77} 12 13.1 133°.50 3°.6/12.2 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 46.72	+13 11.6	2.492	3.288	11.9	20.3
11 17	5 41.62	+12 28.9	2.417	3.295	9.2	20.1
11 27	5 34.78	+11 49.8	2.366	3.302	6.4	20.0
12 7	5 26.80	+11 16.1	2.344	3.310	4.0	19.8
12 17	5 18.42	+10 50.0	2.351	3.316	4.0	19.8
12 27	5 10.45	+10 32.9	2.389	3.323	6.3	20.0
1 6	5 3.65	+10 25.4	2.454	3.329	9.0	20.2
1 16	4 58.55	+10 27.3	2.545	3.335	11.5	20.4

427586 2003 SO_{34} 12 13.1 146°.17 1°.8/13.3 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 56.93	+27 14.0	1.678	2.482	16.3	22.3
11 17	5 50.52	+27 31.4	1.605	2.492	12.6	22.1
11 27	5 41.00	+27 44.0	1.555	2.500	8.2	21.8
12 7	5 29.31	+27 48.8	1.531	2.508	3.7	21.6
12 17	5 16.79	+27 44.2	1.536	2.516	2.6	21.5
12 27	5 5.04	+27 31.1	1.570	2.523	7.0	21.8
1 6	4 55.43	+27 12.9	1.631	2.529	11.3	22.1
1 16	4 48.84	+26 53.7	1.715	2.534	15.0	22.3

36287 2000 ER_{45} 12 13.1 65°.35 0°.2/13.0 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 54.41	+23 14.4	1.382	2.205	18.2	18.9
11 17	5 48.69	+23 10.4	1.330	2.228	13.8	18.7
11 27	5 39.78	+23 4.3	1.300	2.251	8.8	18.4
12 7	5 28.78	+22 55.0	1.294	2.274	3.4	18.2
12 17	5 17.21	+22 42.7	1.315	2.296	2.2	18.1
12 27	5 6.72	+22 29.3	1.363	2.319	7.4	18.5
1 6	4 58.63	+22 17.3	1.437	2.342	12.0	18.9
1 16	4 53.69	+22 9.4	1.534	2.365	15.9	19.2

489829 2008 EH_{79} 12 13.1 304°.96 2°.3/13.5 17

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
11 7	5 49.75	+29 30.6	1.766	2.578	15.3	21.4
11 17	5 45.26	+29 33.0	1.670	2.560	12.0	21.2
11 27	5 37.82	+29 28.2	1.596	2.542	8.0	20.9
12 7	5 28.18	+29 13.7	1.548	2.524	3.9	20.6
12 17	5 17.49	+28 48.5	1.527	2.506	2.9	20.5
12 27	5 7.25	+28 14.0	1.535	2.489	6.9	20.7
1 6	4 58.81	+27 34.2	1.568	2.472	11.3	20.9
1 16	4 53.16	+26 53.9	1.626	2.455	15.2	21.1

13921 Sgarbini 12 13.1 28°.59 8°.6/12.7 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 47.53	+ 8 35.7	0.973	1.820	22.3	16.9
11 17	5 44.16	+ 7 35.6	0.933	1.835	17.8	16.7
11 27	5 37.20	+ 6 52.3	0.910	1.852	13.0	16.5
12 7	5 27.86	+ 6 31.9	0.908	1.870	9.3	16.4
12 17	5 17.83	+ 6 37.8	0.928	1.890	9.0	16.4
12 27	5 8.98	+ 7 9.6	0.970	1.910	12.1	16.7
1 6	5 2.75	+ 8 2.5	1.034	1.932	16.2	17.0
1 16	4 59.93	+ 9 10.2	1.116	1.955	20.0	17.3

198734 2005 EM_{24} 12 13.1 313°.77 1°.9/12.9 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 46.22	+17 21.7	2.189	2.997	12.9	19.8
11 17	5 41.74	+17 19.2	2.100	2.989	9.9	19.6
11 27	5 35.14	+17 19.4	2.035	2.981	6.5	19.4
12 7	5 27.04	+17 22.9	1.996	2.973	3.0	19.2
12 17	5 18.28	+17 29.9	1.987	2.966	2.5	19.1
12 27	5 9.85	+17 40.6	2.008	2.958	5.9	19.3
1 6	5 2.68	+17 55.4	2.056	2.951	9.5	19.5
1 16	4 57.49	+18 14.4	2.129	2.944	12.6	19.7

106933 2000 YY_{64} 12 13.1 37°.39 6°.8/15.1 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 55.88	+40 18.8	1.385	2.186	19.3	19.5
11 17	5 50.49	+40 25.0	1.327	2.199	15.7	19.3
11 27	5 41.21	+40 11.1	1.288	2.213	11.6	19.1
12 7	5 29.38	+39 31.9	1.271	2.228	8.0	18.9
12 17	5 16.88	+38 26.5	1.280	2.243	6.9	18.9
12 27	5 5.77	+37 0.0	1.316	2.259	9.2	19.1
1 6	4 57.59	+35 22.4	1.376	2.276	12.9	19.3
1 16	4 53.12	+33 44.0	1.459	2.293	16.4	19.6

20662 1999 UC_{1} 12 13.1 75°.15 5°.7/13.5 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 57.63	+34 52.6	1.684	2.478	16.7	17.3
11 17	5 51.29	+36 1.1	1.627	2.500	13.3	17.1
11 27	5 41.59	+36 59.8	1.592	2.521	9.6	16.9
12 7	5 29.57	+37 42.0	1.583	2.542	6.4	16.8
12 17	5 16.69	+38 3.5	1.601	2.563	5.9	16.8
12 27	5 4.72	+38 4.2	1.647	2.583	8.3	17.0
1 6	4 55.12	+37 48.6	1.719	2.604	11.6	17.3
1 16	4 48.79	+37 23.0	1.814	2.624	14.7	17.5

418590 2008 SM_{240} 12 13.1 1°.11 2°.0/13.2 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 48.77	+27 18.5	2.154	2.958	13.2	21.0
11 17	5 43.87	+27 56.5	2.072	2.958	10.2	20.8
11 27	5 36.60	+28 32.0	2.013	2.957	6.7	20.6
12 7	5 27.63	+29 2.3	1.982	2.957	3.2	20.4
12 17	5 17.90	+29 25.1	1.980	2.958	2.6	20.3
12 27	5 8.58	+29 39.9	2.007	2.958	5.9	20.5
1 6	5 0.71	+29 47.9	2.062	2.959	9.4	20.7
1 16	4 55.07	+29 51.3	2.142	2.960	12.5	21.0

325636 2009 SU_{296} 12 13.1 5°.87 5°.1/13.5 17

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 51.66	+35 9.7	1.991	2.783	14.5	20.8
11 17	5 46.52	+36 5.1	1.912	2.784	11.6	20.6
11 27	5 38.51	+36 52.5	1.856	2.784	8.5	20.4
12 7	5 28.42	+37 26.8	1.826	2.785	5.8	20.3
12 17	5 17.39	+37 44.5	1.824	2.786	5.3	20.3
12 27	5 6.86	+37 44.9	1.850	2.787	7.5	20.4
1 6	4 58.14	+37 31.0	1.902	2.788	10.6	20.6
1 16	4 52.15	+37 7.6	1.979	2.790	13.6	20.8

232152 2002 CD_{188} 12 13.1 189°.51 2°.9/12.8 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 50.82	+15 22.0	1.896	2.701	14.7	21.0
11 17	5 45.44	+15 10.7	1.814	2.701	11.4	20.8
11 27	5 37.59	+15 3.9	1.756	2.700	7.6	20.5
12 7	5 28.00	+15 2.4	1.725	2.699	3.9	20.3
12 17	5 17.68	+15 6.9	1.722	2.697	3.5	20.3
12 27	5 7.83	+15 18.0	1.748	2.695	7.0	20.5
1 6	4 59.54	+15 35.7	1.802	2.693	10.8	20.7
1 16	4 53.60	+15 59.7	1.880	2.690	14.2	20.9

516548 2006 UO_{76} 12 13.1 85°.09 1°.6/13.2 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 51.87	+26 31.4	1.900	2.706	14.6	21.7
11 17	5 46.31	+26 55.0	1.831	2.719	11.2	21.5
11 27	5 38.15	+27 15.2	1.786	2.731	7.3	21.3
12 7	5 28.20	+27 29.6	1.766	2.744	3.2	21.0
12 17	5 17.59	+27 36.7	1.776	2.756	2.3	21.0
12 27	5 7.62	+27 36.8	1.815	2.768	6.2	21.3
1 6	4 59.42	+27 32.0	1.882	2.780	10.0	21.5
1 16	4 53.75	+27 25.2	1.972	2.792	13.3	21.8

121613 1999 VC_{151} 12 13.1 49°.30 4°.2/13.4 17

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
11 7	5 51.90	+32 27.5	1.937	2.735	14.6	19.4
11 17	5 46.54	+33 20.7	1.868	2.746	11.5	19.3
11 27	5 38.42	+34 7.2	1.823	2.758	8.1	19.1
12 7	5 28.34	+34 42.4	1.804	2.770	5.0	18.9
12 17	5 17.49	+35 3.2	1.813	2.782	4.4	18.9
12 27	5 7.24	+35 9.2	1.851	2.794	7.0	19.1
1 6	4 58.83	+35 3.1	1.916	2.807	10.3	19.3
1 16	4 53.08	+34 49.1	2.005	2.820	13.3	19.5

269680 1995 WA_{12} 12 13.1 249°.70 1°.1/13.0 18

11 7	5 52.70	+19 25.7	1.664	2.477	16.0	20.8
11 17	5 47.48	+19 39.6	1.574	2.466	12.4	20.6
11 27	5 39.26	+19 56.8	1.507	2.455	8.1	20.3
12 7	5 28.77	+20 16.2	1.465	2.444	3.3	20.0
12 17	5 17.16	+20 36.6	1.452	2.433	2.3	19.9
12 27	5 5.95	+20 57.5	1.467	2.421	7.3	20.2
1 6	4 56.53	+21 19.3	1.509	2.409	11.9	20.4
1 16	4 49.92	+21 42.7	1.574	2.397	15.9	20.6

199372 2006 BZ_{211} 12 13.1 247°.02 4°.4/12.4 18

11 7	5 46.05	+ 9 46.8	2.363	3.156	12.5	20.2
11 17	5 41.35	+ 9 21.0	2.277	3.151	9.9	20.0
11 27	5 34.77	+ 9 2.0	2.215	3.146	7.1	19.8
12 7	5 26.88	+ 8 51.6	2.180	3.140	4.9	19.7
12 17	5 18.44	+ 8 51.6	2.175	3.134	4.8	19.7
12 27	5 10.32	+ 9 2.4	2.198	3.129	6.9	19.8
1 6	5 3.35	+ 9 23.8	2.249	3.123	9.7	20.0
1 16	4 58.14	+ 9 54.5	2.324	3.117	12.4	20.1

450694 2006 WY_{83} 12 13.1 351°.76 2°.9/13.1 17

11 7	5 50.52	+27 46.0	1.665	2.481	15.9	20.8
11 17	5 45.96	+28 38.4	1.586	2.477	12.4	20.6
11 27	5 38.32	+29 28.6	1.529	2.475	8.3	20.4
12 7	5 28.40	+30 12.2	1.498	2.472	4.2	20.1
12 17	5 17.41	+30 45.3	1.494	2.471	3.5	20.1
12 27	5 6.92	+31 6.4	1.518	2.469	7.3	20.3
1 6	4 58.34	+31 17.1	1.568	2.469	11.5	20.5
1 16	4 52.69	+31 20.9	1.641	2.469	15.2	20.8

69770 1998 QN_{26} 12 13.1 37°.89 6°.9/14.7 18

11 7	5 55.14	+38 43.0	1.329	2.137	19.6	17.8
11 17	5 49.97	+39 14.0	1.281	2.158	15.8	17.6
11 27	5 40.91	+39 27.2	1.252	2.180	11.6	17.4
12 7	5 29.30	+39 16.8	1.245	2.203	8.0	17.3
12 17	5 17.02	+38 40.8	1.264	2.226	7.0	17.3
12 27	5 6.14	+37 43.2	1.308	2.251	9.4	17.5
1 6	4 58.20	+36 32.5	1.377	2.275	13.0	17.7
1 16	4 53.98	+35 17.9	1.467	2.301	16.4	18.0

107843 2001 FA_{74} 12 13.1 225°.75 1°.4/12.9 18

11 7	5 50.17	+19 23.4	2.000	2.807	14.0	20.0
11 17	5 44.95	+19 18.0	1.912	2.801	10.7	19.8
11 27	5 37.30	+19 13.8	1.848	2.795	7.0	19.6
12 7	5 27.93	+19 10.9	1.811	2.789	3.0	19.3
12 17	5 17.79	+19 9.4	1.802	2.782	2.3	19.3
12 27	5 8.07	+19 9.9	1.824	2.776	6.3	19.5
1 6	4 59.84	+19 13.6	1.873	2.769	10.2	19.7
1 16	4 53.88	+19 21.4	1.946	2.761	13.6	19.9

185659 1993 FT_{45} 12 13.1 224°.79 6°.2/11.9 18

11 7	5 46.61	+ 6 24.6	2.159	2.949	13.6	20.1
11 17	5 41.88	+ 5 34.6	2.080	2.947	11.1	19.9
11 27	5 35.16	+ 4 53.3	2.025	2.944	8.4	19.8
12 7	5 27.05	+ 4 24.2	1.996	2.942	6.5	19.6
12 17	5 18.39	+ 4 10.1	1.995	2.939	6.5	19.6
12 27	5 10.12	+ 4 12.2	2.021	2.937	8.5	19.8
1 6	5 3.11	+ 4 30.1	2.075	2.934	11.1	19.9
1 16	4 58.01	+ 5 1.7	2.151	2.931	13.7	20.1

495814 2017 FZ_{107} 12 13.1 147°.24 4°.0/13.3 17

11 7	5 52.54	+33 31.8	2.405	3.187	12.6	20.8
11 17	5 46.68	+34 27.5	2.323	3.191	10.0	20.6
11 27	5 38.39	+35 17.2	2.266	3.195	7.1	20.4
12 7	5 28.35	+35 56.9	2.237	3.198	4.6	20.3
12 17	5 17.53	+36 23.5	2.237	3.201	4.2	20.3
12 27	5 7.09	+36 36.1	2.268	3.204	6.4	20.4
1 6	4 58.12	+36 36.7	2.326	3.207	9.2	20.6
1 16	4 51.42	+36 28.6	2.410	3.210	11.8	20.8

279682 2011 FY_{32} 12 13.1 261°.79 2°.5/13.2 18

11 7	5 53.77	+27 12.6	1.566	2.380	16.8	21.2
11 17	5 48.63	+27 52.5	1.485	2.376	13.1	20.9
11 27	5 40.15	+28 29.8	1.425	2.372	8.7	20.6
12 7	5 29.16	+29 0.3	1.391	2.367	4.1	20.4
12 17	5 16.99	+29 20.4	1.384	2.363	3.2	20.3
12 27	5 5.37	+29 29.3	1.405	2.358	7.6	20.5
1 6	4 55.86	+29 29.3	1.452	2.354	12.2	20.8
1 16	4 49.53	+29 24.4	1.521	2.349	16.2	21.0

23799 1998 QZ_{37} 12 13.1 164°.60 6°.0/12.4 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
11 7	5 49.38	+ 5 21.0	2.264	3.042	13.4	19.5
11 17	5 43.84	+ 4 47.0	2.189	3.047	10.9	19.3
11 27	5 36.34	+ 4 23.0	2.137	3.052	8.3	19.1
12 7	5 27.50	+ 4 11.7	2.112	3.056	6.3	19.0
12 17	5 18.15	+ 4 14.9	2.115	3.059	6.2	19.0
12 27	5 9.23	+ 4 33.2	2.148	3.062	8.1	19.2
1 6	5 1.57	+ 5 5.3	2.207	3.064	10.6	19.3
1 16	4 55.80	+ 5 48.9	2.291	3.066	13.1	19.5

46285 2001 KD_{36} 12 13.1 32°.43 2°.8/12.8 18

11 7	5 46.40	+15 30.5	2.026	2.836	13.7	18.4
11 17	5 41.87	+15 17.5	1.954	2.843	10.5	18.2
11 27	5 35.21	+15 8.6	1.905	2.850	7.0	18.0
12 7	5 27.09	+15 4.9	1.883	2.857	3.7	17.8
12 17	5 18.42	+15 7.0	1.890	2.865	3.3	17.8
12 27	5 10.25	+15 15.4	1.925	2.873	6.4	18.0
1 6	5 3.47	+15 30.2	1.988	2.881	9.9	18.2
1 16	4 58.76	+15 51.1	2.075	2.889	12.9	18.4

148254 2000 EL_{198} 12 13.1 261°.38 0°.6/12.9 18

11 7	5 52.35	+23 2.1	1.711	2.523	15.7	20.6
11 17	5 47.20	+22 44.1	1.615	2.507	12.1	20.4
11 27	5 39.08	+22 23.0	1.541	2.490	7.9	20.1
12 7	5 28.73	+21 58.3	1.493	2.473	3.1	19.7
12 17	5 17.31	+21 30.7	1.473	2.455	2.2	19.6
12 27	5 6.30	+21 2.3	1.483	2.437	7.2	19.9
1 6	4 57.09	+20 36.3	1.518	2.418	11.9	20.1
1 16	4 50.66	+20 15.7	1.577	2.400	15.9	20.4

131353 2001 JE_{2} 12 13.1 68°.38 1°.3/13.1 18

11 7	5 49.09	+17 4.6	2.237	3.038	12.9	19.1
11 17	5 43.77	+17 32.5	2.163	3.048	9.8	18.9
11 27	5 36.38	+18 4.7	2.113	3.058	6.4	18.7
12 7	5 27.54	+18 40.3	2.091	3.068	2.7	18.5
12 17	5 18.13	+19 17.8	2.099	3.079	2.0	18.5
12 27	5 9.15	+19 56.2	2.137	3.089	5.5	18.7
1 6	5 1.48	+20 34.8	2.204	3.099	8.9	19.0
1 16	4 55.81	+21 13.4	2.297	3.109	11.9	19.2

284510 2007 RM_{15} 12 13.1 59°.50 4°.4/12.9 18

11 7	5 51.62	+12 6.0	1.537	2.351	17.1	20.4
11 17	5 46.17	+11 56.1	1.487	2.375	13.3	20.2
11 27	5 38.04	+11 55.4	1.458	2.399	9.1	20.0
12 7	5 28.17	+12 5.2	1.454	2.423	5.3	19.9
12 17	5 17.80	+12 25.6	1.477	2.448	4.8	19.9
12 27	5 8.28	+12 55.9	1.528	2.473	8.1	20.2
1 6	5 0.73	+13 34.5	1.605	2.497	11.8	20.4
1 16	4 55.84	+14 19.4	1.705	2.522	15.2	20.7

518527 2006 SU_{237} 12 13.1 343°.05 8°.6/11.5 18

11 7	5 45.82	+ 4 43.1	1.633	2.439	16.6	21.0
11 17	5 41.90	+ 3 28.6	1.561	2.433	13.7	20.8
11 27	5 35.47	+ 2 25.6	1.510	2.428	10.9	20.6
12 7	5 27.26	+ 1 40.4	1.483	2.423	8.9	20.5
12 17	5 18.31	+ 1 17.6	1.481	2.419	9.0	20.5
12 27	5 9.87	+ 1 19.5	1.505	2.416	11.1	20.6
1 6	5 3.03	+ 1 44.8	1.552	2.413	14.1	20.8
1 16	4 58.59	+ 2 30.0	1.619	2.410	17.0	21.0

44782 1999 TK_{156} 12 13.1 156°.74 0°.2/13.1 18

11 7	5 55.11	+22 6.5	1.794	2.598	15.4	19.5
11 17	5 48.93	+22 20.2	1.718	2.605	11.8	19.3
11 27	5 39.94	+22 33.9	1.664	2.612	7.6	19.0
12 7	5 28.98	+22 46.0	1.638	2.617	2.9	18.8
12 17	5 17.22	+22 55.2	1.641	2.623	1.9	18.7
12 27	5 6.08	+23 1.8	1.673	2.627	6.6	19.0
1 6	4 56.78	+23 7.1	1.733	2.631	10.8	19.3
1 16	4 50.18	+23 13.0	1.817	2.634	14.4	19.5

195381 2002 GL_{1} 12 13.1 321°.45 2°.6/13.5 18

11 7	5 49.48	+29 12.4	1.399	2.227	17.8	19.9
11 17	5 45.79	+29 19.4	1.312	2.210	13.9	19.6
11 27	5 38.56	+29 18.7	1.245	2.194	9.4	19.3
12 7	5 28.62	+29 7.0	1.201	2.178	4.5	19.0
12 17	5 17.39	+28 42.8	1.183	2.163	3.3	18.9
12 27	5 6.72	+28 7.8	1.192	2.149	8.1	19.1
1 6	4 58.28	+27 26.9	1.225	2.135	13.2	19.4
1 16	4 53.23	+26 46.1	1.279	2.123	17.6	19.6

38377 1999 RM_{174} 12 13.1 145°.14 3°.2/12.6 18

11 7	5 47.83	+12 41.6	2.638	3.427	11.4	20.5
11 17	5 42.41	+12 22.1	2.562	3.437	8.9	20.3
11 27	5 35.31	+12 7.0	2.511	3.447	6.1	20.2
12 7	5 27.09	+11 57.7	2.489	3.456	3.7	20.0
12 17	5 18.46	+11 54.9	2.497	3.464	3.5	20.0
12 27	5 10.22	+11 59.3	2.535	3.472	5.8	20.2
1 6	5 3.09	+12 10.9	2.602	3.480	8.5	20.4
1 16	4 57.60	+12 29.2	2.695	3.487	10.9	20.5

434602 2005 UT_{293} 12 13.1 134.°94 0.°6/13.2 16

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
11 7	5 54.97	+25 11.4	1.922	2.722	14.7	22.3
11 17	5 48.55	+25 9.5	1.851	2.736	11.2	22.1
11 27	5 39.53	+25 3.9	1.803	2.749	7.2	21.9
12 7	5 28.77	+24 53.4	1.782	2.761	2.9	21.7
12 17	5 17.41	+24 37.7	1.791	2.773	1.8	21.6
12 27	5 6.76	+24 18.4	1.831	2.784	6.1	21.9
1 6	4 57.92	+23 58.0	1.898	2.794	10.1	22.2
1 16	4 51.64	+23 39.6	1.990	2.804	13.4	22.4

136652 1995 MB_1 12 13.1 334.°14 4.°0/12.9 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 47.65	+12 31.8	1.644	2.461	16.0	19.3
11 17	5 43.49	+12 32.4	1.561	2.452	12.6	19.1
11 27	5 36.62	+12 41.9	1.500	2.444	8.7	18.8
12 7	5 27.77	+13 1.9	1.464	2.436	5.0	18.6
12 17	5 17.99	+13 32.4	1.455	2.429	4.4	18.5
12 27	5 8.62	+14 12.8	1.474	2.422	7.9	18.7
1 6	5 0.91	+15 1.4	1.519	2.416	12.0	18.9
1 16	4 55.73	+15 56.1	1.586	2.411	15.8	19.2

56201 1999 GD_{17} 12 13.1 187.°83 2.°6/13.3 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 55.36	+28 47.8	2.151	2.941	13.7	19.5
11 17	5 48.99	+29 28.6	2.064	2.941	10.6	19.3
11 27	5 39.97	+30 5.9	2.000	2.940	7.1	19.1
12 7	5 29.02	+30 35.9	1.965	2.938	3.7	18.9
12 17	5 17.19	+30 55.8	1.959	2.935	3.0	18.8
12 27	5 5.77	+31 5.1	1.985	2.932	6.2	19.0
1 6	4 55.96	+31 5.4	2.038	2.928	9.8	19.2
1 16	4 48.62	+31 0.2	2.117	2.924	13.0	19.4

406271 2007 EB_{66} 12 13.1 110.°69 4.°2/12.5 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 47.28	+10 22.5	2.395	3.186	12.4	21.3
11 17	5 42.12	+ 9 54.7	2.326	3.199	9.7	21.1
11 27	5 35.17	+ 9 33.4	2.281	3.212	6.9	20.9
12 7	5 27.05	+ 9 20.2	2.264	3.224	4.6	20.8
12 17	5 18.53	+ 9 16.5	2.276	3.237	4.5	20.8
12 27	5 10.45	+ 9 23.0	2.318	3.249	6.6	21.0
1 6	5 3.57	+ 9 39.2	2.387	3.260	9.3	21.2
1 16	4 58.45	+10 4.0	2.481	3.272	11.8	21.4

461322 2015 XB_{246} 12 13.1 4.°97 13.°2/14.5 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 46.60	−12 40.1	1.789	2.518	18.2	20.1
11 17	5 42.25	−13 17.4	1.728	2.518	16.4	20.0
11 27	5 35.56	−13 27.7	1.684	2.519	14.6	19.9
12 7	5 27.27	−13 4.9	1.661	2.521	13.5	19.8
12 17	5 18.37	−12 6.3	1.660	2.524	13.2	19.8
12 27	5 10.01	−10 33.5	1.682	2.528	14.0	19.8
1 6	5 3.18	− 8 32.3	1.727	2.533	15.5	20.0
1 16	4 58.60	− 6 11.0	1.794	2.538	17.3	20.1

189963 2003 UA_{143} 12 13.1 20.°36 2.°6/12.4 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 46.71	+19 16.8	1.841	2.659	14.5	19.0
11 17	5 42.28	+18 22.1	1.770	2.665	11.1	18.8
11 27	5 35.52	+17 26.3	1.723	2.672	7.3	18.5
12 7	5 27.23	+16 32.0	1.702	2.679	3.6	18.3
12 17	5 18.42	+15 42.2	1.710	2.686	3.3	18.3
12 27	5 10.23	+15 0.1	1.746	2.694	6.9	18.6
1 6	5 3.63	+14 28.1	1.809	2.703	10.6	18.8
1 16	4 59.29	+14 7.3	1.895	2.712	13.9	19.0

28619 2000 FP_{24} 12 13.1 82.°22 8.°2/12.3 18 R

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 45.70	− 3 5.9	2.429	3.181	13.3	18.9
11 17	5 40.85	− 3 55.2	2.372	3.197	11.4	18.8
11 27	5 34.33	− 4 29.9	2.337	3.212	9.5	18.7
12 7	5 26.73	− 4 46.4	2.327	3.227	8.4	18.7
12 17	5 18.76	− 4 42.7	2.343	3.242	8.3	18.7
12 27	5 11.25	− 4 18.7	2.387	3.258	9.4	18.8
1 6	5 4.88	− 3 36.4	2.456	3.272	11.1	18.9
1 16	5 0.17	− 2 39.4	2.547	3.287	12.9	19.1

233285 2006 AS_{90} 12 13.1 127.°27 3.°4/12.8 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 47.67	+12 27.1	2.346	3.141	12.5	20.5
11 17	5 42.55	+12 16.6	2.270	3.148	9.7	20.3
11 27	5 35.53	+12 11.8	2.218	3.155	6.7	20.1
12 7	5 27.24	+12 13.8	2.193	3.161	4.0	20.0
12 17	5 18.45	+12 23.2	2.198	3.167	3.7	20.0
12 27	5 10.07	+12 40.1	2.233	3.174	6.2	20.1
1 6	5 2.91	+13 4.1	2.297	3.180	9.2	20.3
1 16	4 57.57	+13 34.3	2.385	3.185	11.9	20.5

490901 2011 BB_{105} 12 13.1 104.°79 2.°2/13.7 17

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 50.38	+31 13.9	2.361	3.153	12.6	21.0
11 17	5 44.76	+31 9.2	2.285	3.162	9.7	20.8
11 27	5 36.98	+30 57.1	2.232	3.171	6.5	20.6
12 7	5 27.79	+30 36.1	2.208	3.181	3.3	20.5
12 17	5 18.13	+30 6.2	2.213	3.190	2.5	20.4
12 27	5 9.04	+29 29.1	2.248	3.199	5.4	20.6
1 6	5 1.44	+28 48.0	2.312	3.208	8.6	20.8
1 16	4 55.96	+28 6.6	2.402	3.216	11.4	21.0

201837 2003 YE_{61} 12 13.1 329.°59 0.°1/13.1 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
11 7	5 46.36	+24 3.4	2.010	2.824	13.6	19.8
11 17	5 42.16	+23 56.4	1.920	2.813	10.5	19.5
11 27	5 35.60	+23 46.7	1.853	2.802	6.8	19.3
12 7	5 27.36	+23 33.9	1.812	2.792	2.6	19.0
12 17	5 18.36	+23 18.1	1.800	2.782	1.7	18.9
12 27	5 9.77	+23 0.7	1.817	2.773	5.9	19.2
1 6	5 2.63	+22 43.7	1.861	2.764	9.9	19.4
1 16	4 57.71	+22 29.4	1.929	2.755	13.3	19.6

213852 2003 SY_{70} 12 13.1 349.°11 1.°8/12.6 17

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 45.33	+21 49.5	1.633	2.462	15.6	18.8
11 17	5 41.73	+21 1.0	1.552	2.453	12.0	18.5
11 27	5 35.47	+20 8.6	1.493	2.445	7.8	18.3
12 7	5 27.32	+19 14.3	1.459	2.438	3.3	18.0
12 17	5 18.41	+18 21.2	1.453	2.433	2.8	17.9
12 27	5 10.07	+17 32.9	1.474	2.428	7.2	18.2
1 6	5 3.47	+16 53.2	1.521	2.424	11.6	18.4
1 16	4 59.42	+16 24.3	1.590	2.422	15.4	18.7

317708 2003 QL_{19} 12 13.1 114.°89 3.°9/13.9 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 52.68	+35 43.6	2.589	3.362	12.0	21.4
11 17	5 46.46	+36 12.3	2.518	3.379	9.6	21.3
11 27	5 38.07	+36 32.5	2.471	3.395	6.9	21.1
12 7	5 28.22	+36 41.2	2.452	3.411	4.5	21.0
12 17	5 17.87	+36 36.9	2.463	3.426	4.0	21.0
12 27	5 8.07	+36 20.2	2.504	3.441	5.8	21.1
1 6	4 59.76	+35 54.0	2.574	3.456	8.4	21.3
1 16	4 53.58	+35 22.0	2.669	3.470	10.8	21.5

148333 2000 QA_{149} 12 13.1 68.°71 2.°7/13.6 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 52.47	+30 19.3	1.904	2.706	14.8	20.0
11 17	5 46.76	+30 35.8	1.843	2.725	11.4	19.8
11 27	5 38.43	+30 45.2	1.804	2.745	7.6	19.6
12 7	5 28.39	+30 45.0	1.792	2.765	3.9	19.4
12 17	5 17.81	+30 34.1	1.808	2.785	3.0	19.4
12 27	5 7.99	+30 14.0	1.853	2.805	6.3	19.7
1 6	5 0.05	+29 48.1	1.926	2.824	9.9	19.9
1 16	4 54.68	+29 20.2	2.023	2.844	13.0	20.2

295319 2008 GP_{134} 12 13.1 296.°86 2.°2/12.9 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 50.40	+19 3.0	1.385	2.214	17.8	21.6
11 17	5 46.32	+18 48.5	1.297	2.198	13.9	21.3
11 27	5 38.86	+18 35.8	1.229	2.181	9.2	21.0
12 7	5 28.80	+18 25.4	1.185	2.164	4.1	20.6
12 17	5 17.43	+18 18.3	1.167	2.147	3.3	20.5
12 27	5 6.49	+18 16.0	1.176	2.131	8.5	20.8
1 6	4 57.58	+18 19.9	1.209	2.115	13.7	21.0
1 16	4 51.88	+18 31.4	1.263	2.099	18.3	21.3

362462 2010 RO_{146} 12 13.1 99.°97 2.°7/13.5 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 51.52	+30 13.1	2.012	2.812	14.1	21.3
11 17	5 46.12	+30 35.4	1.935	2.817	11.0	21.1
11 27	5 38.13	+30 51.6	1.881	2.821	7.4	20.9
12 7	5 28.33	+30 58.9	1.853	2.826	3.9	20.7
12 17	5 17.81	+30 55.7	1.854	2.830	3.1	20.6
12 27	5 7.86	+30 42.6	1.885	2.835	6.3	20.8
1 6	4 59.61	+30 22.5	1.943	2.839	9.9	21.0
1 16	4 53.84	+29 59.1	2.025	2.844	13.0	21.3

457297 2008 RT_{140} 12 13.1 50.°37 2.°0/12.6 17

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 46.98	+19 13.0	2.206	3.013	12.8	21.7
11 17	5 42.17	+18 36.9	2.129	3.018	9.8	21.5
11 27	5 35.35	+18 0.5	2.077	3.024	6.4	21.3
12 7	5 27.19	+17 25.3	2.052	3.029	3.0	21.1
12 17	5 18.55	+16 52.8	2.057	3.034	2.6	21.1
12 27	5 10.40	+16 25.3	2.091	3.039	5.9	21.3
1 6	5 3.60	+16 4.3	2.153	3.045	9.3	21.5
1 16	4 58.74	+15 50.8	2.240	3.051	12.2	21.7

417859 2007 JX_{12} 12 13.1 84.°38 2.°1/13.1 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 49.95	+14 28.2	2.439	3.230	12.2	20.7
11 17	5 44.12	+14 48.0	2.375	3.254	9.4	20.6
11 27	5 36.46	+15 12.9	2.337	3.277	6.2	20.4
12 7	5 27.59	+15 42.3	2.326	3.300	3.1	20.2
12 17	5 18.31	+16 15.5	2.347	3.323	2.5	20.2
12 27	5 9.51	+16 51.6	2.398	3.346	5.4	20.5
1 6	5 1.98	+17 29.8	2.479	3.368	8.4	20.7
1 16	4 56.26	+18 9.4	2.587	3.390	11.0	20.9

78750 2002 TP_{281} 12 13.1 50.°51 0.°8/13.3 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 51.51	+27 38.3	1.712	2.524	15.7	18.7
11 17	5 46.24	+27 6.6	1.641	2.532	12.0	18.5
11 27	5 38.20	+26 27.0	1.592	2.540	7.8	18.3
12 7	5 28.33	+25 39.6	1.569	2.548	3.2	18.0
12 17	5 17.86	+24 45.9	1.575	2.557	1.9	18.0
12 27	5 8.20	+23 49.7	1.610	2.566	6.5	18.3
1 6	5 0.49	+22 55.6	1.671	2.574	10.8	18.5
1 16	4 55.49	+22 7.7	1.757	2.584	14.4	18.8

155964 2001 QL_{181} 12 13.1 53°.72 1°.5/13.2 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
11 7	5 53.54	+24 28.9	1.433	2.255	17.7	19.4
11 17	5 48.45	+25 9.1	1.367	2.264	13.6	19.1
11 27	5 40.00	+25 48.8	1.322	2.272	8.8	18.9
12 7	5 29.14	+26 24.2	1.302	2.281	3.7	18.6
12 17	5 17.30	+26 52.0	1.309	2.290	2.6	18.6
12 27	5 6.23	+27 11.3	1.344	2.300	7.5	18.9
1 6	4 57.43	+27 23.7	1.404	2.309	12.2	19.2
1 16	4 51.87	+27 32.4	1.486	2.319	16.2	19.5

120961 1998 VJ_{4} 12 13.1 159°.83 2°.8/13.4 17 R

11 7	5 50.57	+30 48.0	2.453	3.242	12.2	19.9
11 17	5 45.05	+31 24.9	2.369	3.245	9.5	19.8
11 27	5 37.31	+31 56.9	2.310	3.247	6.5	19.6
12 7	5 28.00	+32 21.2	2.279	3.248	3.7	19.4
12 17	5 18.01	+32 35.8	2.277	3.250	3.1	19.4
12 27	5 8.41	+32 40.3	2.306	3.252	5.6	19.5
1 6	5 0.17	+32 36.5	2.363	3.253	8.7	19.7
1 16	4 54.01	+32 27.2	2.446	3.255	11.4	19.9

101046 1998 QQ_{100} 12 13.1 53°.30 1°.7/13.3 18

11 7	5 51.49	+26 46.8	1.745	2.557	15.5	19.4
11 17	5 46.39	+27 5.1	1.670	2.561	11.9	19.2
11 27	5 38.45	+27 19.6	1.617	2.564	7.8	18.9
12 7	5 28.49	+27 27.9	1.590	2.568	3.4	18.7
12 17	5 17.71	+27 28.3	1.591	2.571	2.4	18.6
12 27	5 7.55	+27 21.6	1.620	2.575	6.6	18.9
1 6	4 59.27	+27 10.2	1.676	2.578	10.8	19.2
1 16	4 53.71	+26 57.4	1.756	2.582	14.4	19.4

221812 2008 DN_{4} 12 13.1 350°.50 23°.2/ 5.9 17

11 7	5 46.34	−11 36.7	0.939	1.735	26.7	19.6
11 17	5 43.73	−15 12.7	0.901	1.730	24.9	19.4
11 27	5 37.33	−18 12.9	0.878	1.726	23.6	19.3
12 7	5 28.18	−20 18.6	0.871	1.723	23.2	19.3
12 17	5 17.91	−21 16.9	0.878	1.721	23.8	19.3
12 27	5 8.50	−21 4.5	0.899	1.720	25.1	19.4
1 6	5 1.65	−19 49.4	0.933	1.720	26.9	19.5
1 16	4 58.40	−17 44.9	0.978	1.721	28.8	19.7

171354 2006 KU_{65} 12 13.1 83°.47 3°.6/12.3 18

11 7	5 52.16	+16 45.4	1.793	2.601	15.3	20.0
11 17	5 46.24	+15 42.9	1.736	2.623	11.7	19.8
11 27	5 37.94	+14 42.1	1.701	2.645	7.8	19.6
12 7	5 28.16	+13 45.8	1.694	2.666	4.3	19.5
12 17	5 18.00	+12 57.6	1.716	2.688	4.2	19.5
12 27	5 8.64	+12 20.3	1.767	2.709	7.4	19.7
1 6	5 1.07	+11 55.4	1.845	2.729	11.0	20.0
1 16	4 55.89	+11 43.3	1.946	2.750	14.1	20.2

72334 2001 BX_{60} 12 13.1 335°.09 3°.4/12.7 18

11 7	5 46.09	+16 59.7	1.340	2.178	17.8	18.8
11 17	5 42.95	+16 32.1	1.259	2.163	13.9	18.5
11 27	5 36.62	+16 7.6	1.198	2.150	9.3	18.2
12 7	5 27.90	+15 48.5	1.161	2.137	4.7	17.9
12 17	5 18.05	+15 36.9	1.148	2.125	4.2	17.8
12 27	5 8.71	+15 34.8	1.161	2.115	8.8	18.0
1 6	5 1.37	+15 43.3	1.198	2.105	13.7	18.3
1 16	4 57.07	+16 2.2	1.256	2.097	18.1	18.5

71424 2000 AB_{197} 12 13.1 25°.01 0°.5/12.9 18

11 7	5 48.17	+24 27.9	1.818	2.634	14.7	18.6
11 17	5 43.50	+23 47.4	1.747	2.641	11.3	18.4
11 27	5 36.37	+23 2.0	1.699	2.649	7.2	18.2
12 7	5 27.61	+22 12.7	1.677	2.657	2.8	17.9
12 17	5 18.32	+21 21.7	1.684	2.666	1.9	17.9
12 27	5 9.72	+20 32.2	1.720	2.675	6.3	18.2
1 6	5 2.83	+19 48.0	1.783	2.685	10.3	18.5
1 16	4 58.33	+19 11.5	1.870	2.695	13.7	18.7

323303 2003 UZ_{34} 12 13.1 110°.39 2°.2/12.8 18

11 7	5 55.50	+19 16.8	1.570	2.381	16.9	21.4
11 17	5 49.24	+18 48.0	1.508	2.399	12.9	21.2
11 27	5 40.10	+18 19.8	1.469	2.417	8.4	20.9
12 7	5 29.06	+17 53.2	1.456	2.434	3.7	20.7
12 17	5 17.43	+17 29.8	1.471	2.450	3.1	20.7
12 27	5 6.70	+17 11.8	1.515	2.466	7.5	21.0
1 6	4 58.08	+17 0.9	1.585	2.481	11.7	21.3
1 16	4 52.32	+16 58.2	1.679	2.495	15.4	21.6

513726 2012 TB_{120} 12 13.1 237°.86 0°.9/13.3 18

11 7	5 53.35	+26 25.4	1.840	2.645	15.0	22.0
11 17	5 47.80	+26 18.9	1.747	2.635	11.7	21.7
11 27	5 39.39	+26 7.3	1.677	2.624	7.6	21.5
12 7	5 28.89	+25 48.9	1.633	2.612	3.1	21.2
12 17	5 17.45	+25 23.6	1.618	2.600	2.0	21.1
12 27	5 6.49	+24 53.0	1.633	2.587	6.6	21.3
1 6	4 57.31	+24 20.7	1.675	2.574	11.0	21.6
1 16	4 50.82	+23 50.4	1.741	2.561	14.8	21.8

287246 2002 TR_{63} 12 13.1 3°.74 4°.0/12.5 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
11 7	5 45.64	+18 0.3	1.042	1.897	20.5	20.2
11 17	5 43.08	+17 11.3	0.982	1.896	15.9	19.9
11 27	5 36.85	+16 23.9	0.940	1.895	10.6	19.6
12 7	5 27.98	+15 42.1	0.919	1.897	5.4	19.3
12 17	5 18.08	+15 9.7	0.922	1.899	4.9	19.3
12 27	5 9.10	+14 50.6	0.948	1.904	9.9	19.6
1 6	5 2.63	+14 46.5	0.996	1.910	15.2	19.9
1 16	4 59.67	+14 56.8	1.063	1.917	19.7	20.2

78385 2002 PD_{142} 12 13.1 70°.71 7°.9/16.2 17

11 7	5 58.56	+49 16.2	2.309	3.037	14.6	19.3
11 17	5 51.62	+49 36.2	2.235	3.046	12.5	19.2
11 27	5 41.62	+49 37.5	2.183	3.054	10.3	19.1
12 7	5 29.63	+49 15.2	2.154	3.062	8.5	19.0
12 17	5 17.09	+48 26.9	2.153	3.071	7.9	19.0
12 27	5 5.59	+47 14.9	2.179	3.079	8.8	19.0
1 6	4 56.37	+45 45.3	2.232	3.087	10.6	19.2
1 16	4 50.19	+44 6.2	2.310	3.096	12.7	19.3

300780 2007 VY_{285} 12 13.1 300°.87 0°.4/13.1 17

11 7	5 50.16	+21 49.0	1.801	2.615	15.0	21.0
11 17	5 45.27	+21 56.8	1.719	2.612	11.5	20.8
11 27	5 37.71	+22 4.8	1.660	2.609	7.4	20.5
12 7	5 28.22	+22 12.0	1.627	2.606	2.9	20.2
12 17	5 17.90	+22 17.8	1.622	2.604	1.9	20.2
12 27	5 8.07	+22 22.3	1.646	2.601	6.5	20.5
1 6	4 59.92	+22 26.9	1.697	2.598	10.7	20.7
1 16	4 54.30	+22 33.1	1.771	2.596	14.4	20.9

352975 2009 BA_{67} 12 13.1 192°.57 2°.7/13.7 18

11 7	5 53.31	+31 47.0	2.266	3.054	13.1	21.7
11 17	5 47.26	+31 55.2	2.178	3.052	10.3	21.5
11 27	5 38.77	+31 55.8	2.114	3.050	7.0	21.3
12 7	5 28.58	+31 46.4	2.077	3.048	3.8	21.1
12 17	5 17.70	+31 26.0	2.069	3.045	3.0	21.0
12 27	5 7.33	+30 55.8	2.093	3.041	5.9	21.2
1 6	4 58.54	+30 19.0	2.144	3.037	9.3	21.4
1 16	4 52.08	+29 39.8	2.221	3.032	12.3	21.6

298414 2003 ST_{307} 12 13.1 162°.89 1°.3/13.4 18

11 7	5 53.43	+27 32.2	2.202	2.996	13.3	21.8
11 17	5 47.24	+27 33.9	2.121	3.002	10.2	21.6
11 27	5 38.69	+27 30.6	2.064	3.007	6.7	21.4
12 7	5 28.53	+27 20.8	2.035	3.012	2.9	21.1
12 17	5 17.75	+27 4.0	2.036	3.016	2.0	21.1
12 27	5 7.53	+26 41.4	2.067	3.019	5.6	21.3
1 6	4 58.87	+26 15.9	2.127	3.022	9.2	21.6
1 16	4 52.51	+25 50.5	2.213	3.024	12.3	21.8

361316 2006 UH_{28} 12 13.1 324°.77 3°.3/12.5 18

11 7	5 47.80	+16 46.1	1.769	2.586	15.1	20.9
11 17	5 43.37	+16 5.4	1.688	2.580	11.7	20.7
11 27	5 36.43	+15 26.2	1.629	2.575	7.8	20.5
12 7	5 27.71	+14 50.9	1.595	2.569	4.2	20.2
12 17	5 18.25	+14 21.8	1.590	2.564	3.9	20.2
12 27	5 9.29	+14 1.4	1.613	2.559	7.5	20.4
1 6	5 1.93	+13 51.1	1.662	2.555	11.4	20.6
1 16	4 56.97	+13 51.5	1.733	2.551	15.0	20.9

195735 2002 PE_{91} 12 13.1 68°.17 4°.7/14.1 18

11 7	5 52.79	+37 9.3	2.226	3.006	13.6	20.0
11 17	5 46.89	+37 42.2	2.164	3.026	10.9	19.9
11 27	5 38.49	+38 4.6	2.125	3.046	7.9	19.7
12 7	5 28.45	+38 12.8	2.112	3.067	5.4	19.6
12 17	5 17.87	+38 5.1	2.127	3.087	4.9	19.6
12 27	5 7.99	+37 42.5	2.172	3.107	6.7	19.8
1 6	4 59.88	+37 8.8	2.244	3.128	9.4	20.0
1 16	4 54.22	+36 28.8	2.341	3.148	11.9	20.2

114331 2002 XL_{64} 12 13.1 233°.74 1°.5/12.8 18

11 7	5 52.12	+21 23.6	1.641	2.457	16.1	19.9
11 17	5 46.94	+20 52.5	1.559	2.453	12.4	19.7
11 27	5 38.86	+20 19.0	1.498	2.448	8.1	19.4
12 7	5 28.70	+19 43.9	1.464	2.443	3.4	19.1
12 17	5 17.67	+19 9.1	1.457	2.437	2.6	19.0
12 27	5 7.24	+18 37.2	1.479	2.432	7.3	19.3
1 6	4 58.70	+18 11.3	1.527	2.426	11.9	19.6
1 16	4 52.92	+17 53.7	1.598	2.420	15.8	19.8

285935 2001 QV_{281} 12 13.1 93°.68 13°.9/15.8 18

11 7	6 21.31	+62 25.4	2.189	2.830	17.5	20.1
11 17	6 12.72	+64 41.7	2.144	2.849	16.1	20.0
11 27	5 57.51	+66 34.8	2.118	2.869	14.9	19.9
12 7	5 36.53	+67 52.0	2.113	2.888	14.1	19.9
12 17	5 12.52	+68 24.4	2.129	2.907	13.9	20.0
12 27	4 49.69	+68 10.9	2.166	2.925	14.3	20.0
1 6	4 31.71	+67 20.0	2.223	2.943	15.0	20.1
1 16	4 20.37	+66 4.2	2.298	2.961	16.0	20.2

273155 2006 HW_{40} 12 13.1 163°.71 6°.2/11.8 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
11 7	5 45.07	+ 3 52.1	2.567	3.343	12.1	20.8
11 17	5 40.43	+ 3 1.3	2.491	3.344	9.9	20.6
11 27	5 34.15	+ 2 19.5	2.439	3.346	7.8	20.5
12 7	5 26.75	+ 1 49.9	2.414	3.347	6.4	20.4
12 17	5 18.93	+ 1 34.9	2.417	3.348	6.4	20.4
12 27	5 11.44	+ 1 35.4	2.448	3.349	7.9	20.5
1 6	5 5.00	+ 1 51.0	2.506	3.350	10.0	20.7
1 16	5 0.14	+ 2 19.8	2.588	3.351	12.1	20.8

318214 2004 RM_{187} 12 13.1 93°.90 3°.9/12.2 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 47.59	+13 52.2	2.155	2.957	13.2	20.2
11 17	5 42.62	+13 3.1	2.082	2.964	10.3	20.0
11 27	5 35.65	+12 17.4	2.033	2.971	7.1	19.8
12 7	5 27.34	+11 37.6	2.011	2.978	4.4	19.7
12 17	5 18.57	+11 6.1	2.018	2.985	4.3	19.7
12 27	5 10.29	+10 44.9	2.055	2.992	6.9	19.9
1 6	5 3.35	+10 34.8	2.119	2.998	10.0	20.1
1 16	4 58.37	+10 35.6	2.207	3.005	12.8	20.3

469464 2002 QU_{137} 12 13.1 74°.81 0°.8/13.2 16

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 56.70	+25 29.4	1.383	2.202	18.4	22.0
11 17	5 50.55	+25 28.6	1.332	2.226	14.0	21.8
11 27	5 41.09	+25 23.3	1.301	2.250	9.0	21.5
12 7	5 29.47	+25 11.7	1.295	2.274	3.6	21.3
12 17	5 17.28	+24 53.7	1.317	2.298	2.2	21.3
12 27	5 6.25	+24 31.6	1.366	2.322	7.4	21.6
1 6	4 57.73	+24 9.1	1.441	2.345	12.0	22.0
1 16	4 52.48	+23 50.0	1.538	2.368	15.9	22.3

414632 2009 VW_{34} 12 13.1 308°.42 5°.6/13.0 16

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 52.12	+35 0.8	2.010	2.802	14.4	21.1
11 17	5 47.32	+36 13.9	1.907	2.777	11.7	20.8
11 27	5 39.44	+37 22.1	1.827	2.753	8.7	20.6
12 7	5 29.09	+38 19.4	1.773	2.730	6.2	20.4
12 17	5 17.33	+39 0.2	1.747	2.706	5.9	20.3
12 27	5 5.68	+39 21.9	1.750	2.683	8.2	20.4
1 6	4 55.65	+39 25.9	1.778	2.660	11.5	20.6
1 16	4 48.42	+39 16.5	1.830	2.637	14.7	20.7

72729 2001 FY_{96} 12 13.1 128°.78 4°.4/12.6 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 46.62	+ 9 9.5	2.453	3.241	12.2	19.5
11 17	5 41.68	+ 8 47.4	2.377	3.248	9.7	19.4
11 27	5 34.98	+ 8 32.3	2.326	3.254	7.0	19.2
12 7	5 27.09	+ 8 26.3	2.302	3.260	4.8	19.1
12 17	5 18.74	+ 8 30.3	2.307	3.265	4.7	19.1
12 27	5 10.78	+ 8 44.9	2.342	3.271	6.7	19.2
1 6	5 3.95	+ 9 9.3	2.404	3.276	9.3	19.4
1 16	4 58.82	+ 9 42.2	2.492	3.281	11.8	19.6

6515 Giannigalli 12 13.1 119°.33 0°.3/13.2 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 55.69	+24 39.9	1.637	2.447	16.4	18.0
11 17	5 49.51	+24 32.4	1.570	2.460	12.6	17.8
11 27	5 40.37	+24 21.0	1.526	2.474	8.1	17.6
12 7	5 29.23	+24 4.8	1.507	2.487	3.2	17.3
12 17	5 17.42	+23 43.9	1.517	2.499	2.0	17.2
12 27	5 6.46	+23 20.2	1.556	2.511	6.8	17.6
1 6	4 57.61	+22 57.1	1.622	2.523	11.2	17.9
1 16	4 51.65	+22 37.5	1.712	2.533	14.9	18.1

397377 2006 UW_{337} 12 13.1 108°.50 2°.5/13.2 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 54.69	+27 51.5	2.126	2.919	13.7	20.6
11 17	5 48.37	+28 43.5	2.056	2.935	10.6	20.4
11 27	5 39.52	+29 32.4	2.010	2.950	7.0	20.2
12 7	5 28.91	+30 14.5	1.992	2.966	3.6	20.0
12 17	5 17.60	+30 46.8	2.005	2.981	2.9	20.0
12 27	5 6.82	+31 8.5	2.048	2.996	6.0	20.2
1 6	4 57.70	+31 21.0	2.119	3.010	9.4	20.4
1 16	4 51.00	+31 27.2	2.215	3.024	12.4	20.7

48218 2001 KZ_{38} 12 13.1 78°.94 5°.7/11.2 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 46.41	+ 8 32.8	2.343	3.134	12.7	18.4
11 17	5 41.58	+ 7 14.4	2.266	3.135	10.2	18.2
11 27	5 34.94	+ 6 1.3	2.214	3.136	7.7	18.1
12 7	5 27.08	+ 4 57.5	2.190	3.136	5.9	18.0
12 17	5 18.77	+ 4 6.7	2.194	3.137	6.1	18.0
12 27	5 10.86	+ 3 31.6	2.227	3.138	8.0	18.1
1 6	5 4.14	+ 3 12.9	2.287	3.139	10.5	18.2
1 16	4 59.17	+ 3 9.6	2.370	3.140	12.9	18.4

332234 2006 HB_{116} 12 13.1 130°.35 0°.7/13.0 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 52.31	+21 49.7	2.021	2.824	14.0	22.2
11 17	5 46.42	+21 39.7	1.949	2.836	10.7	22.0
11 27	5 38.18	+21 28.5	1.900	2.847	6.8	21.8
12 7	5 28.36	+21 16.0	1.879	2.858	2.7	21.5
12 17	5 17.98	+21 2.5	1.887	2.869	1.9	21.5
12 27	5 8.21	+20 49.4	1.926	2.879	5.9	21.8
1 6	5 0.05	+20 38.4	1.992	2.888	9.7	22.0
1 16	4 54.19	+20 31.1	2.084	2.897	12.9	22.3

35360 1997 TY_{11} 12 13.1 51°.46 2°.1/12.9 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
11 7	5 54.29	+19 8.4	1.077	1.917	21.1	16.9
11 17	5 49.30	+19 0.3	1.033	1.939	16.1	16.7
11 27	5 40.55	+18 55.7	1.007	1.961	10.4	16.4
12 7	5 29.34	+18 54.3	1.004	1.983	4.4	16.2
12 17	5 17.44	+18 56.3	1.026	2.006	3.3	16.2
12 27	5 6.83	+19 2.5	1.073	2.030	8.8	16.6
1 6	4 59.04	+19 13.8	1.143	2.053	13.9	16.9
1 16	4 54.85	+19 30.8	1.234	2.077	18.2	17.3

147610 2004 GT_{54} 12 13.1 123°.84 2°.2/12.7 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 49.16	+18 26.2	2.011	2.819	13.8	21.1
11 17	5 44.06	+17 58.8	1.934	2.823	10.6	20.9
11 27	5 36.71	+17 32.1	1.881	2.827	7.0	20.6
12 7	5 27.81	+17 7.4	1.854	2.831	3.3	20.4
12 17	5 18.33	+16 46.1	1.857	2.834	2.8	20.4
12 27	5 9.37	+16 29.8	1.889	2.838	6.4	20.6
1 6	5 1.90	+16 19.9	1.948	2.841	10.0	20.9
1 16	4 56.61	+16 17.3	2.032	2.844	13.2	21.1

181839 1998 TM_{3} 12 13.1 99°.64 5°.4/13.6 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	6 2.43	+34 48.8	1.764	2.547	16.5	20.1
11 17	5 54.80	+35 54.8	1.709	2.575	13.1	20.0
11 27	5 43.84	+36 50.6	1.677	2.603	9.4	19.8
12 7	5 30.61	+37 29.7	1.670	2.629	6.2	19.7
12 17	5 16.61	+37 47.9	1.693	2.655	5.6	19.7
12 27	5 3.60	+37 45.6	1.745	2.680	8.0	19.9
1 6	4 53.02	+37 27.5	1.823	2.705	11.3	20.2
1 16	4 45.74	+37 0.1	1.926	2.728	14.3	20.4

490403 2009 RR_{29} 12 13.1 24°.15 7°.2/14.3 17

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 53.32	+41 13.3	1.890	2.669	15.7	20.5
11 17	5 48.15	+42 6.8	1.820	2.674	12.9	20.3
11 27	5 39.77	+42 46.6	1.770	2.680	10.1	20.1
12 7	5 29.10	+43 6.7	1.745	2.685	7.8	20.0
12 17	5 17.51	+43 3.6	1.747	2.692	7.3	20.0
12 27	5 6.65	+42 37.5	1.775	2.698	8.9	20.1
1 6	4 57.96	+41 53.5	1.829	2.705	11.5	20.3
1 16	4 52.35	+40 58.4	1.906	2.713	14.2	20.5

128170 2003 RA_{2} 12 13.1 89°.80 5°.3/12.3 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 46.68	+ 7 42.7	2.260	3.051	13.1	20.0
11 17	5 41.82	+ 7 4.4	2.192	3.061	10.5	19.8
11 27	5 35.10	+ 6 34.3	2.148	3.071	7.8	19.6
12 7	5 27.16	+ 6 15.1	2.130	3.081	5.7	19.5
12 17	5 18.77	+ 6 8.7	2.140	3.092	5.6	19.6
12 27	5 10.84	+ 6 15.9	2.179	3.102	7.5	19.7
1 6	5 4.14	+ 6 35.7	2.246	3.112	10.1	19.9
1 16	4 59.26	+ 7 6.6	2.336	3.122	12.6	20.1

153309 2001 KB_{68} 12 13.1 225°.69 5°.4/13.2 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 55.06	+ 6 8.9	2.109	2.882	14.5	19.9
11 17	5 48.65	+ 6 14.8	2.010	2.869	11.7	19.7
11 27	5 39.79	+ 6 33.1	1.934	2.855	8.6	19.5
12 7	5 29.10	+ 7 5.6	1.885	2.840	6.0	19.3
12 17	5 17.48	+ 7 52.7	1.866	2.824	5.6	19.3
12 27	5 6.08	+ 8 53.1	1.878	2.807	8.0	19.4
1 6	4 56.02	+10 4.1	1.919	2.790	11.3	19.5
1 16	4 48.14	+11 22.6	1.985	2.771	14.5	19.7

279602 2011 EX_{17} 12 13.1 217°.59 8°.5/14.8 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	6 1.57	+55 38.6	3.159	3.831	12.0	21.5
11 17	5 54.11	+56 42.8	3.072	3.823	10.8	21.4
11 27	5 43.52	+57 32.1	3.006	3.814	9.6	21.3
12 7	5 30.58	+58 0.6	2.963	3.805	8.8	21.3
12 17	5 16.54	+58 4.3	2.947	3.795	8.5	21.2
12 27	5 2.98	+57 42.7	2.956	3.785	9.1	21.3
1 6	4 51.35	+56 59.0	2.990	3.775	10.1	21.3
1 16	4 42.66	+55 58.8	3.048	3.764	11.4	21.4

442489 2011 UA_{397} 12 13.1 126°.96 1°.8/12.7 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 51.30	+20 22.0	1.880	2.688	14.6	21.6
11 17	5 45.80	+19 45.5	1.806	2.695	11.2	21.4
11 27	5 37.85	+19 7.7	1.755	2.702	7.3	21.2
12 7	5 28.26	+18 29.8	1.731	2.709	3.2	21.0
12 17	5 18.08	+17 53.9	1.736	2.715	2.7	21.0
12 27	5 8.54	+17 22.4	1.771	2.721	6.6	21.2
1 6	5 0.67	+16 57.7	1.833	2.727	10.5	21.5
1 16	4 55.19	+16 41.1	1.919	2.732	13.9	21.7

130380 2000 HN_{33} 12 13.1 129°.53 0°.7/13.3 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 48.07	+25 54.6	3.094	3.882	10.0	21.4
11 17	5 42.51	+26 1.8	3.018	3.897	7.6	21.3
11 27	5 35.39	+26 6.3	2.968	3.911	4.9	21.1
12 7	5 27.24	+26 7.4	2.947	3.925	2.0	21.0
12 17	5 18.72	+26 4.6	2.958	3.939	1.3	20.9
12 27	5 10.58	+25 58.6	3.000	3.952	4.1	21.1
1 6	5 3.47	+25 50.4	3.072	3.964	6.8	21.3
1 16	4 57.90	+25 41.6	3.171	3.977	9.1	21.5

442492 2011 VY_3 12 13.1 101°.15 6°.0/14.4 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
11 7	5 58.12	+39 25.6	1.944	2.718	15.5	21.2
11 17	5 51.40	+40 3.7	1.880	2.735	12.5	21.0
11 27	5 41.61	+40 28.2	1.838	2.753	9.4	20.8
12 7	5 29.73	+40 34.1	1.822	2.770	6.8	20.7
12 17	5 17.17	+40 18.8	1.833	2.787	6.1	20.7
12 27	5 5.53	+39 43.7	1.873	2.804	8.0	20.9
1 6	4 56.11	+38 54.2	1.940	2.820	10.8	21.1
1 16	4 49.73	+37 57.2	2.031	2.836	13.5	21.3

196359 2003 FE_{105} 12 13.1 209°.58 0°.9/13.3 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 53.11	+25 28.1	1.825	2.632	15.1	20.9
11 17	5 47.59	+25 34.0	1.740	2.629	11.6	20.7
11 27	5 39.25	+25 36.6	1.678	2.625	7.6	20.5
12 7	5 28.89	+25 34.0	1.642	2.621	3.1	20.2
12 17	5 17.65	+25 25.5	1.635	2.616	2.0	20.1
12 27	5 6.94	+25 12.0	1.657	2.611	6.5	20.4
1 6	4 58.00	+24 56.0	1.706	2.606	10.8	20.6
1 16	4 51.74	+24 40.6	1.779	2.601	14.5	20.8

144940 2005 EO_{19} 12 13.1 159°.01 3°.1/13.7 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 54.23	+33 7.0	2.535	3.312	12.2	21.4
11 17	5 47.72	+33 28.7	2.454	3.320	9.6	21.2
11 27	5 38.97	+33 43.1	2.397	3.328	6.7	21.0
12 7	5 28.69	+33 47.5	2.368	3.334	3.9	20.8
12 17	5 17.82	+33 40.4	2.370	3.341	3.3	20.8
12 27	5 7.46	+33 22.5	2.403	3.346	5.6	21.0
1 6	4 58.57	+32 56.4	2.464	3.351	8.5	21.2
1 16	4 51.84	+32 26.0	2.552	3.355	11.2	21.4

94076 2000 YU_{41} 12 13.1 13°.63 0°.3/13.2 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 48.16	+24 5.2	1.768	2.586	15.0	19.3
11 17	5 43.75	+24 4.1	1.694	2.589	11.5	19.1
11 27	5 36.73	+24 0.6	1.642	2.592	7.4	18.9
12 7	5 27.89	+23 53.8	1.615	2.595	2.9	18.6
12 17	5 18.33	+23 43.7	1.617	2.599	1.8	18.5
12 27	5 9.36	+23 31.5	1.647	2.603	6.3	18.8
1 6	5 2.11	+23 19.2	1.704	2.608	10.5	19.1
1 16	4 57.36	+23 9.2	1.784	2.614	14.0	19.3

139990 2001 SS_{33} 12 13.1 336°.40 2°.7/13.5 17

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 51.18	+29 36.8	1.896	2.701	14.7	20.3
11 17	5 46.12	+30 1.9	1.815	2.700	11.4	20.1
11 27	5 38.32	+30 21.5	1.756	2.699	7.7	19.8
12 7	5 28.54	+30 32.6	1.724	2.698	4.0	19.6
12 17	5 17.92	+30 33.2	1.720	2.697	3.1	19.5
12 27	5 7.82	+30 23.6	1.744	2.696	6.6	19.8
1 6	4 59.47	+30 6.7	1.796	2.695	10.4	20.0
1 16	4 53.74	+29 46.2	1.871	2.694	13.8	20.2

140680 2001 UC_{53} 12 13.1 92°.66 0°.4/13.2 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 53.71	+22 22.5	2.108	2.905	13.7	20.1
11 17	5 47.42	+22 58.8	2.045	2.928	10.4	19.9
11 27	5 38.81	+23 35.4	2.005	2.951	6.6	19.8
12 7	5 28.64	+24 9.9	1.994	2.973	2.6	19.5
12 17	5 17.92	+24 40.4	2.014	2.995	1.6	19.5
12 27	5 7.80	+25 6.2	2.064	3.017	5.6	19.8
1 6	4 59.27	+25 27.8	2.142	3.038	9.1	20.1
1 16	4 53.02	+25 46.8	2.247	3.058	12.2	20.3

60698 2000 GB_{46} 12 13.1 9°.88 2°.2/12.9 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 47.38	+19 11.9	1.426	2.258	17.2	19.1
11 17	5 43.59	+18 52.2	1.358	2.260	13.2	18.9
11 27	5 36.83	+18 33.9	1.311	2.263	8.6	18.7
12 7	5 27.98	+18 18.1	1.288	2.267	3.8	18.4
12 17	5 18.32	+18 6.2	1.291	2.271	3.1	18.3
12 27	5 9.35	+17 59.8	1.321	2.276	7.7	18.6
1 6	5 2.38	+18 0.0	1.376	2.283	12.3	18.9
1 16	4 58.25	+18 7.7	1.452	2.290	16.3	19.2

466516 2014 QV_{140} 12 13.1 23°.11 3°.6/12.8 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 46.77	+13 59.7	1.827	2.641	14.8	20.8
11 17	5 42.43	+13 40.0	1.757	2.647	11.5	20.6
11 27	5 35.77	+13 25.8	1.709	2.653	7.8	20.4
12 7	5 27.50	+13 18.9	1.687	2.659	4.4	20.3
12 17	5 18.63	+13 20.4	1.693	2.666	4.1	20.2
12 27	5 10.28	+13 30.8	1.727	2.673	7.2	20.4
1 6	5 3.47	+13 50.0	1.787	2.680	10.8	20.7
1 16	4 58.90	+14 17.0	1.871	2.688	14.0	20.9

296677 2009 SA_{208} 12 13.1 6°.08 2°.3/13.4 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 48.99	+27 19.9	1.111	1.957	20.2	20.5
11 17	5 45.88	+27 35.4	1.048	1.957	15.7	20.2
11 27	5 38.82	+27 45.0	1.004	1.958	10.3	19.9
12 7	5 28.88	+27 45.4	0.981	1.960	4.6	19.6
12 17	5 17.76	+27 34.9	0.982	1.963	3.2	19.5
12 27	5 7.58	+27 15.1	1.008	1.968	8.7	19.9
1 6	5 0.13	+26 50.7	1.056	1.973	14.1	20.2
1 16	4 56.45	+26 26.9	1.124	1.980	18.7	20.5

489998 2008 SH_{194} 12 13.1 332°.47 2°.7/13.3 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
11 7	5 49.82	+29 18.5	2.270	3.067	12.8	21.2
11 17	5 44.74	+30 1.9	2.184	3.064	10.0	21.0
11 27	5 37.29	+30 41.8	2.122	3.062	6.8	20.8
12 7	5 28.14	+31 15.0	2.088	3.060	3.6	20.6
12 17	5 18.21	+31 39.2	2.083	3.058	3.0	20.5
12 27	5 8.62	+31 53.5	2.108	3.056	5.9	20.7
1 6	5 0.44	+31 59.2	2.161	3.054	9.2	20.9
1 16	4 54.45	+31 59.0	2.239	3.052	12.1	21.1

16166 Jonlii 12 13.1 55°.15 3°.0/12.9 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 50.63	+15 47.2	1.570	2.388	16.6	18.6
11 17	5 45.62	+15 39.1	1.511	2.404	12.8	18.4
11 27	5 37.89	+15 36.3	1.474	2.421	8.4	18.1
12 7	5 28.33	+15 39.7	1.462	2.437	4.2	17.9
12 17	5 18.16	+15 49.6	1.477	2.454	3.6	17.9
12 27	5 8.74	+16 6.0	1.520	2.471	7.4	18.2
1 6	5 1.23	+16 28.7	1.589	2.488	11.5	18.5
1 16	4 56.37	+16 56.9	1.681	2.505	15.0	18.8

443289 2014 FD_2 12 13.1 96°.42 1°.6/13.1 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 53.69	+17 28.1	1.881	2.683	14.9	21.0
11 17	5 47.55	+17 44.7	1.819	2.704	11.4	20.9
11 27	5 38.95	+18 5.2	1.780	2.725	7.4	20.7
12 7	5 28.72	+18 28.7	1.768	2.746	3.2	20.4
12 17	5 17.92	+18 54.0	1.786	2.766	2.4	20.4
12 27	5 7.79	+19 20.7	1.833	2.785	6.3	20.7
1 6	4 59.38	+19 48.4	1.909	2.804	10.1	21.0
1 16	4 53.39	+20 17.4	2.009	2.823	13.3	21.2

365042 2008 TU_{73} 12 13.1 135°.07 1°.8/12.7 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 47.02	+17 50.7	2.872	3.665	10.5	21.4
11 17	5 41.75	+17 24.5	2.796	3.677	8.0	21.2
11 27	5 34.93	+16 59.2	2.745	3.688	5.3	21.1
12 7	5 27.11	+16 35.5	2.723	3.698	2.6	20.9
12 17	5 18.93	+16 14.6	2.733	3.709	2.3	20.9
12 27	5 11.14	+15 57.5	2.773	3.719	4.8	21.1
1 6	5 4.39	+15 45.4	2.843	3.728	7.5	21.3
1 16	4 59.17	+15 38.6	2.939	3.737	9.9	21.4

404286 2013 EL_{102} 12 13.1 225°.61 0°.9/13.3 17

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 51.08	+25 21.2	2.282	3.080	12.7	22.2
11 17	5 45.60	+25 36.7	2.188	3.071	9.8	22.0
11 27	5 37.81	+25 50.0	2.118	3.063	6.4	21.8
12 7	5 28.35	+25 59.5	2.076	3.054	2.7	21.5
12 17	5 18.12	+26 4.0	2.063	3.044	1.8	21.4
12 27	5 8.23	+26 3.6	2.082	3.035	5.5	21.7
1 6	4 59.70	+25 59.9	2.128	3.024	9.2	21.9
1 16	4 53.30	+25 55.0	2.200	3.014	12.3	22.0

224055 2005 ME_{50} 12 13.1 40°.12 3°.3/13.7 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 53.92	+31 10.6	1.308	2.132	19.0	20.1
11 17	5 49.11	+31 15.3	1.245	2.139	14.8	19.9
11 27	5 40.58	+31 9.2	1.201	2.147	10.0	19.6
12 7	5 29.48	+30 49.0	1.181	2.156	5.1	19.4
12 17	5 17.48	+30 13.6	1.187	2.165	3.8	19.3
12 27	5 6.55	+29 26.4	1.219	2.175	8.1	19.6
1 6	4 58.26	+28 34.0	1.276	2.185	12.9	19.9
1 16	4 53.52	+27 43.0	1.354	2.195	17.0	20.2

101191 1998 SL_{23} 12 13.1 131°.76 6°.5/12.3 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 49.65	+ 4 58.2	2.133	2.913	14.1	19.5
11 17	5 44.17	+ 4 14.6	2.066	2.925	11.4	19.3
11 27	5 36.66	+ 3 41.5	2.022	2.936	8.8	19.2
12 7	5 27.82	+ 3 22.4	2.005	2.946	6.8	19.1
12 17	5 18.51	+ 3 19.3	2.015	2.957	6.7	19.1
12 27	5 9.69	+ 3 32.9	2.054	2.966	8.5	19.2
1 6	5 2.24	+ 4 1.7	2.120	2.976	11.1	19.4
1 16	4 56.76	+ 4 43.3	2.209	2.985	13.5	19.6

455960 2005 VP_{59} 12 13.1 50°.62 1°.2/12.9 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 48.85	+19 56.6	1.902	2.715	14.3	21.6
11 17	5 44.01	+19 51.5	1.830	2.722	11.0	21.4
11 27	5 36.78	+19 47.4	1.781	2.729	7.1	21.2
12 7	5 27.92	+19 44.2	1.758	2.736	2.9	20.9
12 17	5 18.44	+19 42.2	1.763	2.744	2.2	20.9
12 27	5 9.51	+19 42.2	1.798	2.752	6.2	21.2
1 6	5 2.15	+19 45.1	1.860	2.760	10.1	21.4
1 16	4 57.09	+19 51.7	1.946	2.768	13.4	21.6

445213 2009 DP_{119} 12 13.1 194°.75 1°.4/12.9 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 50.17	+20 7.7	1.910	2.719	14.4	21.9
11 17	5 45.08	+19 55.1	1.829	2.719	11.1	21.7
11 27	5 37.52	+19 42.6	1.770	2.718	7.2	21.4
12 7	5 28.23	+19 30.7	1.739	2.718	3.0	21.2
12 17	5 18.23	+19 19.8	1.737	2.717	2.3	21.1
12 27	5 8.73	+19 11.2	1.763	2.716	6.4	21.4
1 6	5 0.80	+19 6.3	1.817	2.715	10.4	21.6
1 16	4 55.23	+19 6.4	1.895	2.714	13.8	21.8

487520 2014 UA_{28} 12 13.1 105°.42 1°.1/12.9 17

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
11 7	5 47.63	+21 31.9	2.472	3.273	11.8	21.1
11 17	5 42.51	+20 59.7	2.394	3.280	9.0	20.9
11 27	5 35.55	+20 25.7	2.341	3.288	5.8	20.7
12 7	5 27.38	+19 50.8	2.316	3.295	2.4	20.5
12 17	5 18.79	+19 16.3	2.322	3.302	1.9	20.4
12 27	5 10.67	+18 44.2	2.358	3.309	5.2	20.7
1 6	5 3.78	+18 16.3	2.423	3.315	8.3	20.9
1 16	4 58.70	+17 54.2	2.513	3.322	11.1	21.1

484465 2008 CX_{52} 12 13.1 10°.91 2°.1/13.0 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 48.69	+17 25.0	1.622	2.443	16.0	21.0
11 17	5 44.33	+17 29.4	1.549	2.444	12.4	20.7
11 27	5 37.22	+17 38.1	1.497	2.446	8.1	20.5
12 7	5 28.16	+17 51.4	1.471	2.449	3.6	20.2
12 17	5 18.29	+18 8.9	1.472	2.452	2.9	20.2
12 27	5 8.97	+18 30.2	1.501	2.455	7.1	20.5
1 6	5 1.42	+18 55.3	1.556	2.459	11.4	20.7
1 16	4 56.49	+19 24.0	1.634	2.463	15.1	21.0

139399 2001 NH_{19} 12 13.1 144°.56 2°.7/12.9 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 50.71	+14 5.4	2.265	3.059	13.0	20.8
11 17	5 45.00	+14 7.8	2.189	3.067	10.0	20.6
11 27	5 37.24	+14 15.4	2.136	3.076	6.7	20.4
12 7	5 28.08	+14 28.6	2.111	3.084	3.6	20.2
12 17	5 18.36	+14 47.3	2.117	3.091	3.1	20.2
12 27	5 9.08	+15 11.4	2.153	3.098	6.0	20.4
1 6	5 1.11	+15 40.1	2.218	3.105	9.3	20.6
1 16	4 55.11	+16 13.0	2.308	3.111	12.2	20.8

327640 2006 QS_{7} 12 13.1 107°.01 4°.8/12.7 16

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 54.60	+12 26.3	1.556	2.363	17.2	21.5
11 17	5 48.56	+11 53.9	1.497	2.381	13.5	21.3
11 27	5 39.73	+11 29.0	1.460	2.399	9.3	21.1
12 7	5 29.06	+11 14.2	1.448	2.416	5.6	21.0
12 17	5 17.79	+11 11.1	1.465	2.433	5.3	21.0
12 27	5 7.36	+11 20.4	1.509	2.449	8.5	21.2
1 6	4 58.93	+11 41.5	1.579	2.465	12.4	21.5
1 16	4 53.26	+12 12.7	1.671	2.480	15.8	21.7

298389 2003 SM_{166} 12 13.2 177°.03 1°.2/13.3 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 53.28	+26 3.6	2.084	2.882	13.8	21.3
11 17	5 47.40	+26 21.1	2.000	2.884	10.6	21.1
11 27	5 39.01	+26 35.6	1.941	2.885	6.9	20.9
12 7	5 28.84	+26 45.1	1.908	2.886	3.0	20.6
12 17	5 17.92	+26 48.3	1.906	2.886	2.0	20.5
12 27	5 7.47	+26 45.3	1.933	2.886	5.9	20.8
1 6	4 58.62	+26 38.3	1.989	2.885	9.7	21.0
1 16	4 52.14	+26 29.7	2.070	2.884	13.0	21.2

514136 2015 HX_{152} 12 13.2 203°.61 1°.2/13.0 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 53.54	+20 26.0	1.846	2.651	15.0	22.2
11 17	5 47.83	+20 18.1	1.759	2.647	11.6	21.9
11 27	5 39.41	+20 10.4	1.696	2.643	7.5	21.7
12 7	5 29.04	+20 2.6	1.659	2.638	3.1	21.4
12 17	5 17.82	+19 54.9	1.652	2.633	2.3	21.3
12 27	5 7.07	+19 48.5	1.674	2.627	6.7	21.6
1 6	4 58.02	+19 44.9	1.723	2.620	10.9	21.9
1 16	4 51.52	+19 45.6	1.797	2.613	14.6	22.1

337167 1999 VN_{13} 12 13.2 55°.65 8°.6/10.0 17

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 59.61	+19 17.7	0.897	1.743	23.8	19.4
11 17	5 53.65	+15 49.4	0.849	1.756	18.6	19.1
11 27	5 43.42	+12 11.2	0.821	1.769	12.9	18.9
12 7	5 30.51	+ 8 40.6	0.816	1.783	8.9	18.7
12 17	5 17.07	+ 5 37.6	0.837	1.798	10.0	18.8
12 27	5 5.37	+ 3 17.8	0.883	1.813	14.5	19.1
1 6	4 57.00	+ 1 46.2	0.949	1.828	19.3	19.5
1 16	4 52.69	+ 0 58.5	1.033	1.843	23.3	19.8

2784 Domeyko 12 13.2 139°.74 1°.9/13.0 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 55.53	+17 46.6	1.725	2.529	15.9	16.9
11 17	5 49.29	+17 49.5	1.654	2.541	12.3	16.7
11 27	5 40.27	+17 55.8	1.606	2.552	8.0	16.4
12 7	5 29.34	+18 5.2	1.585	2.562	3.5	16.2
12 17	5 17.67	+18 17.2	1.592	2.571	2.7	16.1
12 27	5 6.67	+18 31.9	1.629	2.580	7.0	16.4
1 6	4 57.55	+18 49.6	1.693	2.589	11.1	16.7
1 16	4 51.11	+19 10.7	1.781	2.596	14.7	16.9

214055 2004 FS_{50} 12 13.2 128°.35 4°.0/13.6 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 54.87	+34 8.1	2.348	3.127	13.0	20.7
11 17	5 48.49	+34 54.3	2.275	3.140	10.3	20.5
11 27	5 39.65	+35 33.1	2.225	3.152	7.3	20.4
12 7	5 29.08	+36 0.5	2.204	3.164	4.7	20.2
12 17	5 17.84	+36 14.1	2.212	3.176	4.2	20.2
12 27	5 7.11	+36 13.6	2.250	3.188	6.3	20.4
1 6	4 57.99	+36 1.7	2.316	3.198	9.1	20.6
1 16	4 51.24	+35 42.4	2.408	3.209	11.8	20.8

439107 2011 SZ_{67} 12 13.2 51°.37 5°.0/12.5 17

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
11 7	5 51.38	+13 14.2	1.456	2.275	17.6	20.3
11 17	5 46.08	+12 23.9	1.412	2.303	13.7	20.1
11 27	5 38.09	+11 40.8	1.389	2.331	9.4	20.0
12 7	5 28.41	+11 8.4	1.392	2.360	5.8	19.8
12 17	5 18.34	+10 49.1	1.421	2.389	5.5	19.9
12 27	5 9.24	+10 44.3	1.477	2.418	8.7	20.2
1 6	5 2.20	+10 53.3	1.558	2.447	12.3	20.4
1 16	4 57.84	+11 14.4	1.661	2.476	15.6	20.7

293670 2007 PV_{22} 12 13.2 81°.31 3°.6/12.9 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 53.55	+13 37.0	1.798	2.599	15.5	21.0
11 17	5 47.33	+13 22.0	1.747	2.629	12.0	20.8
11 27	5 38.74	+13 13.4	1.719	2.659	8.1	20.7
12 7	5 28.65	+13 12.1	1.718	2.688	4.5	20.5
12 17	5 18.18	+13 18.6	1.745	2.717	4.0	20.5
12 27	5 8.51	+13 33.2	1.802	2.745	7.1	20.8
1 6	5 0.61	+13 55.1	1.885	2.773	10.6	21.1
1 16	4 55.12	+14 23.5	1.993	2.800	13.7	21.3

198757 2005 EU_{85} 12 13.2 311°.19 0°.4/13.2 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 47.45	+24 0.9	2.152	2.960	13.0	20.5
11 17	5 42.96	+24 6.6	2.059	2.949	10.0	20.3
11 27	5 36.20	+24 10.7	1.990	2.938	6.5	20.0
12 7	5 27.79	+24 12.1	1.948	2.927	2.6	19.8
12 17	5 18.63	+24 10.4	1.935	2.916	1.6	19.7
12 27	5 9.81	+24 6.1	1.951	2.906	5.6	19.9
1 6	5 2.34	+24 0.6	1.995	2.896	9.4	20.1
1 16	4 56.99	+23 55.7	2.064	2.886	12.7	20.3

105353 2000 QN_{105} 12 13.2 13°.77 2°.7/13.1 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 46.53	+16 5.7	1.390	2.224	17.5	18.5
11 17	5 42.99	+16 12.1	1.328	2.230	13.5	18.2
11 27	5 36.49	+16 25.4	1.287	2.238	8.9	18.0
12 7	5 27.94	+16 45.8	1.269	2.246	4.2	17.8
12 17	5 18.57	+17 12.6	1.277	2.256	3.4	17.7
12 27	5 9.90	+17 45.0	1.312	2.267	7.7	18.0
1 6	5 3.20	+18 22.0	1.371	2.279	12.2	18.3
1 16	4 59.33	+19 2.3	1.452	2.293	16.1	18.6

392310 2010 DS_{6} 12 13.2 294°.63 0°.2/13.1 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 50.69	+23 12.2	1.577	2.398	16.4	21.5
11 17	5 46.29	+23 7.5	1.486	2.382	12.7	21.2
11 27	5 38.78	+23 0.7	1.416	2.367	8.3	20.9
12 7	5 28.91	+22 51.1	1.372	2.352	3.3	20.6
12 17	5 17.90	+22 38.3	1.354	2.336	2.1	20.4
12 27	5 7.32	+22 23.8	1.365	2.321	7.3	20.7
1 6	4 58.63	+22 10.1	1.401	2.307	12.2	21.0
1 16	4 52.85	+22 0.0	1.459	2.292	16.5	21.2

160632 1999 VU_{45} 12 13.2 97°.41 2°.0/13.5 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 54.14	+28 54.9	1.818	2.620	15.3	19.9
11 17	5 48.21	+28 58.2	1.750	2.635	11.8	19.7
11 27	5 39.54	+28 54.8	1.706	2.650	7.8	19.5
12 7	5 29.04	+28 42.6	1.688	2.664	3.6	19.3
12 17	5 17.92	+28 21.2	1.699	2.678	2.5	19.3
12 27	5 7.59	+27 52.4	1.738	2.692	6.4	19.5
1 6	4 59.21	+27 20.0	1.806	2.706	10.3	19.8
1 16	4 53.52	+26 47.9	1.897	2.719	13.7	20.0

354282 2002 RV_{254} 12 13.2 117°.79 2°.0/13.5 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 53.52	+29 7.6	2.028	2.825	14.1	21.5
11 17	5 47.54	+29 16.2	1.956	2.837	10.9	21.3
11 27	5 39.04	+29 18.6	1.908	2.849	7.2	21.1
12 7	5 28.84	+29 12.8	1.886	2.861	3.4	20.9
12 17	5 18.04	+28 58.0	1.894	2.873	2.5	20.9
12 27	5 7.90	+28 35.6	1.932	2.884	6.0	21.1
1 6	4 59.51	+28 8.6	1.998	2.895	9.6	21.3
1 16	4 53.58	+27 40.7	2.088	2.905	12.8	21.6

272010 2005 DP 12 13.2 154°.43 3°.7/12.7 17

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 46.32	+11 0.9	2.551	3.342	11.7	20.9
11 17	5 41.50	+10 42.6	2.470	3.345	9.2	20.7
11 27	5 34.94	+10 30.2	2.414	3.347	6.5	20.5
12 7	5 27.22	+10 24.9	2.386	3.349	4.2	20.4
12 17	5 19.03	+10 28.0	2.388	3.352	4.0	20.4
12 27	5 11.18	+10 39.7	2.419	3.354	6.1	20.5
1 6	5 4.40	+10 59.7	2.478	3.356	8.8	20.7
1 16	4 59.26	+11 27.1	2.563	3.357	11.3	20.9

413431 2004 YB_{19} 12 13.2 336°.68 1°.0/13.4 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 47.71	+26 40.8	1.944	2.757	14.1	20.8
11 17	5 43.37	+26 36.7	1.858	2.749	10.9	20.6
11 27	5 36.54	+26 27.8	1.794	2.742	7.1	20.4
12 7	5 27.93	+26 13.2	1.757	2.735	3.0	20.1
12 17	5 18.57	+25 52.7	1.748	2.729	1.9	20.0
12 27	5 9.67	+25 27.7	1.768	2.723	6.0	20.3
1 6	5 2.35	+25 1.1	1.815	2.718	10.0	20.5
1 16	4 57.39	+24 35.9	1.885	2.713	13.5	20.7

414290 2008 PY_{14} 12 13.2 72°.14 6°.2/15.0 17

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
11 7	5 55.84	+42 47.9	2.231	2.990	14.2	21.1
11 17	5 49.37	+43 13.2	2.169	3.010	11.7	21.0
11 27	5 40.20	+43 23.8	2.129	3.031	9.0	20.9
12 7	5 29.26	+43 15.5	2.115	3.051	6.9	20.8
12 17	5 17.82	+42 46.7	2.128	3.072	6.3	20.8
12 27	5 7.26	+41 59.3	2.170	3.092	7.6	20.9
1 6	4 58.72	+40 58.4	2.239	3.112	9.8	21.1
1 16	4 52.88	+39 50.4	2.333	3.132	12.2	21.3

404894 2014 KZ_{77} 12 13.2 171°.67 4°.5/12.8 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 50.12	+ 7 45.8	2.548	3.323	12.2	22.3
11 17	5 44.34	+ 7 35.3	2.466	3.327	9.7	22.1
11 27	5 36.76	+ 7 32.9	2.408	3.331	7.1	21.9
12 7	5 27.93	+ 7 40.3	2.379	3.334	4.9	21.8
12 17	5 18.60	+ 7 58.0	2.379	3.336	4.7	21.8
12 27	5 9.61	+ 8 26.1	2.410	3.337	6.6	21.9
1 6	5 1.75	+ 9 3.4	2.470	3.338	9.2	22.1
1 16	4 55.60	+ 9 48.2	2.556	3.338	11.7	22.3

251434 2008 BL_{48} 12 13.2 303°.54 5°.1/13.9 17

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 53.29	+35 47.4	1.906	2.697	15.1	20.7
11 17	5 48.01	+36 26.5	1.824	2.694	12.1	20.5
11 27	5 39.71	+36 55.9	1.764	2.692	8.8	20.3
12 7	5 29.22	+37 10.8	1.729	2.689	5.9	20.1
12 17	5 17.77	+37 8.0	1.722	2.686	5.3	20.1
12 27	5 6.89	+36 47.8	1.744	2.684	7.6	20.2
1 6	4 57.94	+36 14.1	1.791	2.681	11.0	20.4
1 16	4 51.86	+35 32.7	1.863	2.679	14.1	20.6

103142 1999 XM_{207} 12 13.2 97°.90 2°.3/13.3 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 55.77	+27 19.0	1.953	2.749	14.6	19.0
11 17	5 49.36	+28 7.8	1.888	2.769	11.3	18.8
11 27	5 40.28	+28 53.5	1.847	2.789	7.4	18.6
12 7	5 29.35	+29 32.2	1.834	2.808	3.6	18.4
12 17	5 17.73	+30 1.0	1.850	2.827	2.8	18.4
12 27	5 6.76	+30 19.2	1.896	2.846	6.3	18.6
1 6	4 57.61	+30 28.7	1.970	2.864	9.9	18.9
1 16	4 51.06	+30 32.4	2.069	2.881	13.0	19.1

324365 2006 QD_{129} 12 13.2 172°.61 5°.6/13.9 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 59.87	+36 20.8	1.749	2.534	16.5	21.0
11 17	5 53.28	+37 2.5	1.671	2.538	13.3	20.8
11 27	5 43.22	+37 33.0	1.615	2.540	9.7	20.6
12 7	5 30.61	+37 46.4	1.584	2.542	6.5	20.4
12 17	5 16.95	+37 38.5	1.580	2.544	5.8	20.4
12 27	5 4.04	+37 10.2	1.606	2.544	8.3	20.5
1 6	4 53.48	+36 26.7	1.657	2.544	11.9	20.7
1 16	4 46.26	+35 35.4	1.732	2.544	15.2	21.0

92254 2000 AG_{199} 12 13.2 359°.89 1°.9/13.3 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 48.28	+15 34.0	1.620	2.440	16.1	18.1
11 17	5 44.14	+16 9.6	1.543	2.438	12.4	17.8
11 27	5 37.23	+16 53.9	1.488	2.436	8.2	17.6
12 7	5 28.28	+17 45.7	1.458	2.436	3.7	17.3
12 17	5 18.40	+18 42.7	1.456	2.436	2.7	17.2
12 27	5 8.97	+19 42.5	1.482	2.437	7.0	17.5
1 6	5 1.24	+20 42.7	1.535	2.440	11.4	17.8
1 16	4 56.14	+21 42.1	1.611	2.443	15.2	18.0

523598 2003 ED_{50} 12 13.2 154°.02 22°.1/13.2 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	6 15.32	−26 41.4	1.486	2.096	25.6	24.4
11 17	6 4.72	−29 23.6	1.457	2.120	24.1	24.4
11 27	5 50.29	−31 24.3	1.442	2.140	22.9	24.3
12 7	5 33.25	−32 30.1	1.444	2.157	22.2	24.3
12 17	5 15.44	−32 33.5	1.463	2.170	22.1	24.4
12 27	4 58.94	−31 35.7	1.499	2.180	22.6	24.5
1 6	4 45.40	−29 46.6	1.551	2.187	23.5	24.6
1 16	4 35.73	−27 20.0	1.617	2.190	24.5	24.7

347173 2011 FG_{94} 12 13.2 172°.02 1°.0/13.3 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 54.82	+26 0.0	1.993	2.791	14.3	22.5
11 17	5 48.65	+26 5.9	1.911	2.794	11.0	22.3
11 27	5 39.86	+26 8.0	1.853	2.797	7.2	22.1
12 7	5 29.24	+26 4.7	1.821	2.800	3.0	21.8
12 17	5 17.87	+25 55.0	1.820	2.801	1.9	21.8
12 27	5 7.06	+25 39.9	1.849	2.802	6.1	22.0
1 6	4 57.95	+25 22.1	1.906	2.803	10.0	22.3
1 16	4 51.36	+25 4.6	1.987	2.802	13.4	22.5

371810 2007 RR_{308} 12 13.2 186°.77 2°.2/12.8 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 46.24	+15 53.3	2.794	3.588	10.7	21.8
11 17	5 41.35	+15 39.3	2.708	3.588	8.3	21.6
11 27	5 34.84	+15 27.8	2.646	3.587	5.5	21.4
12 7	5 27.21	+15 19.5	2.613	3.586	2.9	21.3
12 17	5 19.13	+15 15.1	2.611	3.585	2.6	21.2
12 27	5 11.35	+15 15.2	2.639	3.584	5.1	21.4
1 6	5 4.57	+15 20.2	2.696	3.582	7.9	21.6
1 16	4 59.32	+15 30.3	2.779	3.580	10.4	21.8

180082 2003 DZ_{11} 12 13.2 225°.58 2°.2/12.9 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
11 7	5 48.79	+17 24.1	2.089	2.895	13.5	20.6
11 17	5 43.86	+17 9.7	2.005	2.892	10.4	20.4
11 27	5 36.71	+16 57.5	1.944	2.889	6.9	20.2
12 7	5 28.00	+16 48.3	1.911	2.887	3.3	19.9
12 17	5 18.63	+16 42.8	1.906	2.884	2.8	19.9
12 27	5 9.68	+16 42.0	1.932	2.881	6.2	20.1
1 6	5 2.10	+16 46.5	1.984	2.878	9.9	20.3
1 16	4 56.62	+16 56.8	2.062	2.875	13.1	20.5

143179 2002 XB_{74} 12 13.2 255°.46 1°.2/13.4 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 50.95	+26 47.3	2.068	2.871	13.7	20.3
11 17	5 45.79	+26 53.0	1.974	2.860	10.6	20.0
11 27	5 38.11	+26 54.6	1.904	2.849	7.0	19.8
12 7	5 28.60	+26 50.5	1.860	2.838	3.0	19.5
12 17	5 18.25	+26 39.9	1.846	2.827	2.0	19.4
12 27	5 8.30	+26 23.5	1.861	2.815	6.0	19.7
1 6	4 59.86	+26 3.8	1.904	2.803	9.9	19.9
1 16	4 53.77	+25 43.8	1.972	2.792	13.3	20.1

331637 2002 JZ_{108} 12 13.2 93°.05 11°.8/16.5 16

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	6 6.40	− 6 50.1	1.049	1.818	26.2	20.0
11 17	5 59.10	− 5 56.9	0.986	1.828	22.2	19.7
11 27	5 47.39	− 4 19.2	0.938	1.838	17.7	19.5
12 7	5 32.37	− 1 51.7	0.911	1.847	13.6	19.3
12 17	5 15.93	+ 1 21.1	0.910	1.857	11.8	19.3
12 27	5 0.49	+ 5 4.2	0.936	1.866	13.9	19.4
1 6	4 48.12	+ 8 57.1	0.989	1.876	18.0	19.7
1 16	4 40.04	+12 42.8	1.065	1.885	22.2	20.0

90631 2213 $T\text{-}_2$ 12 13.2 179°.32 1°.9/13.4 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 55.97	+27 49.6	1.997	2.792	14.4	20.0
11 17	5 49.63	+28 7.8	1.913	2.794	11.2	19.8
11 27	5 40.56	+28 21.5	1.853	2.795	7.4	19.6
12 7	5 29.54	+28 28.0	1.820	2.796	3.4	19.4
12 17	5 17.70	+28 25.6	1.816	2.795	2.5	19.3
12 27	5 6.39	+28 14.9	1.843	2.794	6.3	19.5
1 6	4 56.83	+27 58.5	1.897	2.793	10.1	19.8
1 16	4 49.87	+27 40.1	1.977	2.790	13.5	20.0

381381 2008 FB_{119} 12 13.2 164°.10 3°.9/13.5 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 57.41	+31 4.1	1.702	2.501	16.3	21.7
11 17	5 51.35	+31 51.7	1.625	2.505	12.8	21.5
11 27	5 41.98	+32 33.2	1.570	2.508	8.9	21.3
12 7	5 30.18	+33 3.4	1.541	2.511	5.1	21.1
12 17	5 17.31	+33 18.4	1.540	2.513	4.3	21.0
12 27	5 5.07	+33 17.7	1.568	2.515	7.6	21.2
1 6	4 54.98	+33 4.6	1.622	2.516	11.6	21.5
1 16	4 48.04	+32 44.6	1.700	2.517	15.2	21.7

266743 2009 SV_{47} 12 13.2 30°.58 0°.3/13.1 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 48.29	+23 26.1	1.841	2.657	14.6	20.4
11 17	5 43.70	+23 10.1	1.771	2.665	11.2	20.2
11 27	5 36.67	+22 51.6	1.724	2.674	7.2	19.9
12 7	5 27.98	+22 30.5	1.703	2.683	2.8	19.7
12 17	5 18.71	+22 7.6	1.710	2.692	1.8	19.6
12 27	5 10.05	+21 44.7	1.746	2.702	6.1	19.9
1 6	5 3.06	+21 24.3	1.809	2.712	10.1	20.2
1 16	4 58.43	+21 8.3	1.895	2.722	13.5	20.4

395939 2013 AG_{115} 12 13.2 18°.66 2°.2/12.9 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 48.77	+19 15.8	1.380	2.212	17.7	20.4
11 17	5 44.77	+18 53.8	1.314	2.216	13.6	20.2
11 27	5 37.69	+18 33.1	1.270	2.222	8.9	20.0
12 7	5 28.46	+18 15.0	1.249	2.228	3.9	19.7
12 17	5 18.41	+18 0.9	1.255	2.235	3.2	19.7
12 27	5 9.12	+17 52.4	1.287	2.242	7.9	20.0
1 6	5 1.93	+17 51.0	1.343	2.250	12.5	20.2
1 16	4 57.68	+17 57.5	1.422	2.259	16.5	20.5

48711 1996 ND_5 12 13.2 137°.08 0°.1/13.2 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 48.20	+23 50.6	2.790	3.583	10.8	19.9
11 17	5 42.84	+23 48.9	2.711	3.593	8.2	19.7
11 27	5 35.78	+23 45.4	2.657	3.602	5.3	19.5
12 7	5 27.58	+23 39.5	2.632	3.611	2.1	19.3
12 17	5 18.96	+23 31.3	2.638	3.620	1.3	19.3
12 27	5 10.72	+23 21.5	2.675	3.628	4.5	19.5
1 6	5 3.60	+23 11.4	2.742	3.636	7.4	19.7
1 16	4 58.14	+23 2.3	2.835	3.644	10.0	19.9

20887 Ngwaikin 12 13.2 85°.97 0°.6/13.1 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 56.18	+21 24.5	1.400	2.220	18.2	18.2
11 17	5 50.29	+21 32.4	1.343	2.238	13.9	18.0
11 27	5 41.13	+21 40.9	1.307	2.257	8.9	17.8
12 7	5 29.75	+21 48.4	1.296	2.275	3.5	17.5
12 17	5 17.65	+21 54.1	1.312	2.294	2.2	17.4
12 27	5 6.52	+21 58.5	1.356	2.311	7.5	17.8
1 6	4 57.75	+22 3.3	1.425	2.329	12.2	18.1
1 16	4 52.18	+22 10.3	1.517	2.346	16.1	18.4

307279 2002 PJ_{55} 12 13.2 98°.86 5°.7/14.9 17

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
11 7	5 55.13	+42 47.6	2.591	3.341	12.6	20.2
11 17	5 48.56	+43 13.4	2.523	3.359	10.4	20.1
11 27	5 39.60	+43 26.2	2.479	3.377	8.1	20.0
12 7	5 29.08	+43 22.4	2.460	3.394	6.2	19.9
12 17	5 18.07	+43 0.5	2.471	3.412	5.7	19.9
12 27	5 7.78	+42 21.7	2.511	3.429	6.9	20.0
1 6	4 59.20	+41 30.1	2.578	3.446	8.9	20.1
1 16	4 53.01	+40 30.9	2.671	3.462	11.0	20.3

178510 1999 TB_{169} 12 13.2 114°.35 2°.1/13.5 18

11 7	5 57.55	+28 28.8	1.627	2.431	16.7	20.9
11 17	5 51.14	+28 39.5	1.562	2.447	12.9	20.7
11 27	5 41.59	+28 43.7	1.519	2.463	8.5	20.5
12 7	5 29.93	+28 38.5	1.502	2.478	3.9	20.2
12 17	5 17.55	+28 22.8	1.513	2.493	2.8	20.2
12 27	5 6.08	+27 58.4	1.553	2.507	7.0	20.5
1 6	4 56.85	+27 29.3	1.620	2.520	11.2	20.8
1 16	4 50.69	+27 0.2	1.710	2.533	14.9	21.0

171610 2000 AL_{93} 12 13.2 30°.90 17°.9/19.2 18

11 7	5 57.64	−14 46.6	0.922	1.690	29.1	18.7
11 17	5 52.52	−14 45.4	0.874	1.698	25.9	18.5
11 27	5 43.13	−13 52.1	0.837	1.706	22.6	18.4
12 7	5 30.68	−11 56.0	0.816	1.716	19.5	18.2
12 17	5 17.08	− 8 55.9	0.815	1.727	17.9	18.2
12 27	5 4.65	− 5 3.3	0.835	1.738	18.6	18.3
1 6	4 55.28	− 0 40.8	0.878	1.751	21.0	18.5
1 16	4 50.04	+ 3 48.3	0.941	1.764	24.1	18.7

141715 2002 LJ_{13} 12 13.2 208°.58 5°.1/12.2 18

11 7	5 50.02	+ 8 49.9	2.347	3.131	12.9	21.7
11 17	5 44.52	+ 8 6.9	2.258	3.124	10.3	21.5
11 27	5 37.02	+ 7 30.2	2.193	3.117	7.6	21.3
12 7	5 28.13	+ 7 2.5	2.155	3.108	5.5	21.2
12 17	5 18.63	+ 6 46.2	2.146	3.100	5.4	21.2
12 27	5 9.46	+ 6 42.8	2.168	3.090	7.5	21.3
1 6	5 1.47	+ 6 52.2	2.217	3.080	10.3	21.4
1 16	4 55.34	+ 7 13.4	2.290	3.069	13.0	21.6

53802 2000 EQ_{120} 12 13.2 154°.01 1°.6/13.4 18

11 7	5 52.94	+27 42.5	2.604	3.388	11.7	19.5
11 17	5 46.66	+28 2.8	2.523	3.398	9.0	19.4
11 27	5 38.34	+28 19.4	2.467	3.407	5.9	19.2
12 7	5 28.63	+28 30.4	2.441	3.416	2.8	19.0
12 17	5 18.36	+28 34.6	2.445	3.424	2.0	19.0
12 27	5 8.53	+28 32.3	2.481	3.431	5.0	19.2
1 6	5 0.00	+28 25.1	2.546	3.437	8.1	19.4
1 16	4 53.43	+28 15.4	2.638	3.443	10.8	19.6

519918 2013 RJ_{104} 12 13.2 148°.13 4°.5/14.3 18

11 7	5 52.04	+39 1.5	2.798	3.560	11.5	22.0
11 17	5 46.11	+39 28.3	2.717	3.566	9.3	21.9
11 27	5 38.04	+39 45.5	2.660	3.572	7.0	21.7
12 7	5 28.53	+39 49.8	2.630	3.577	5.0	21.6
12 17	5 18.45	+39 39.9	2.630	3.583	4.6	21.6
12 27	5 8.84	+39 16.2	2.659	3.588	6.0	21.7
1 6	5 0.63	+38 41.5	2.717	3.592	8.2	21.8
1 16	4 54.47	+37 59.9	2.801	3.597	10.5	22.0

140111 2001 SN_{136} 12 13.2 77°.53 2°.7/12.7 18

11 7	5 49.32	+17 16.8	1.901	2.711	14.4	20.2
11 17	5 44.35	+16 46.9	1.829	2.718	11.1	20.0
11 27	5 37.04	+16 19.0	1.780	2.725	7.4	19.8
12 7	5 28.16	+15 54.4	1.758	2.733	3.7	19.6
12 17	5 18.69	+15 34.9	1.764	2.740	3.3	19.5
12 27	5 9.78	+15 22.0	1.799	2.747	6.7	19.8
1 6	5 2.44	+15 16.8	1.861	2.754	10.4	20.0
1 16	4 57.35	+15 19.7	1.947	2.761	13.7	20.2

215163 2000 BC_{9} 12 13.2 120°.75 2°.5/13.8 17

11 7	5 50.62	+32 1.4	2.435	3.223	12.3	20.4
11 17	5 45.07	+32 4.5	2.355	3.230	9.6	20.2
11 27	5 37.38	+32 0.2	2.300	3.236	6.5	20.1
12 7	5 28.26	+31 46.8	2.272	3.243	3.6	19.9
12 17	5 18.62	+31 23.6	2.274	3.249	2.8	19.8
12 27	5 9.51	+30 52.2	2.307	3.256	5.4	20.0
1 6	5 1.83	+30 15.5	2.368	3.262	8.4	20.2
1 16	4 56.23	+29 36.9	2.454	3.268	11.2	20.4

520322 2014 GY_{59} 12 13.2 158°.02 2°.2/12.9 18

11 7	5 51.06	+16 12.2	2.319	3.113	12.7	22.4
11 17	5 45.30	+16 5.1	2.240	3.120	9.8	22.3
11 27	5 37.50	+16 1.1	2.185	3.127	6.5	22.1
12 7	5 28.32	+16 0.7	2.158	3.133	3.2	21.9
12 17	5 18.59	+16 4.1	2.162	3.138	2.7	21.8
12 27	5 9.29	+16 11.9	2.196	3.143	5.8	22.1
1 6	5 1.29	+16 24.3	2.259	3.147	9.1	22.3
1 16	4 55.24	+16 41.2	2.347	3.151	12.0	22.5

405695 2005 UU_{366} 12 13.2 97°.27 2°.1/13.3 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
11 7	5 53.35	+27 23.5	2.177	2.972	13.4	20.9
11 17	5 47.34	+28 6.9	2.108	2.988	10.3	20.8
11 27	5 38.95	+28 47.3	2.063	3.005	6.8	20.6
12 7	5 28.92	+29 21.5	2.046	3.021	3.3	20.4
12 17	5 18.24	+29 47.3	2.059	3.037	2.6	20.4
12 27	5 8.08	+30 4.0	2.102	3.052	5.7	20.6
1 6	4 59.50	+30 13.1	2.174	3.068	9.1	20.8
1 16	4 53.22	+30 17.2	2.271	3.083	12.1	21.1

458705 2011 HH_{83} 12 13.2 184°.83 0°.7/13.4 18

11 7	5 46.31	+26 50.6	3.905	4.686	8.2	22.8
11 17	5 41.03	+26 48.3	3.811	4.685	6.3	22.6
11 27	5 34.49	+26 43.1	3.744	4.685	4.1	22.5
12 7	5 27.09	+26 34.5	3.706	4.683	1.7	22.3
12 17	5 19.36	+26 22.5	3.701	4.681	1.1	22.3
12 27	5 11.87	+26 7.6	3.728	4.679	3.4	22.4
1 6	5 5.16	+25 50.9	3.786	4.676	5.7	22.6
1 16	4 59.65	+25 33.8	3.871	4.673	7.7	22.7

70730 1999 VN_{5} 12 13.2 21°.01 3°.5/12.5 18

11 7	5 48.07	+18 50.3	1.281	2.120	18.5	18.0
11 17	5 44.30	+17 53.0	1.223	2.128	14.2	17.8
11 27	5 37.39	+16 55.8	1.185	2.137	9.4	17.5
12 7	5 28.36	+16 2.2	1.170	2.147	4.7	17.3
12 17	5 18.62	+15 16.2	1.181	2.158	4.3	17.3
12 27	5 9.77	+14 41.7	1.218	2.170	8.7	17.6
1 6	5 3.13	+14 20.9	1.279	2.183	13.2	17.9
1 16	4 59.48	+14 14.1	1.360	2.197	17.2	18.2

325733 2009 VK_{47} 12 13.2 91°.41 1°.0/13.3 18

11 7	5 51.00	+24 40.7	2.300	3.098	12.7	20.5
11 17	5 45.39	+25 12.2	2.229	3.113	9.7	20.3
11 27	5 37.62	+25 42.4	2.183	3.127	6.2	20.2
12 7	5 28.38	+26 9.3	2.164	3.142	2.6	19.9
12 17	5 18.58	+26 31.1	2.176	3.156	1.8	19.9
12 27	5 9.25	+26 47.6	2.218	3.171	5.2	20.2
1 6	5 1.31	+26 59.7	2.289	3.185	8.6	20.4
1 16	4 55.45	+27 8.9	2.385	3.199	11.5	20.6

243301 2008 EA_{137} 12 13.2 119°.45 1°.9/13.4 18

11 7	5 57.13	+27 23.0	1.716	2.518	16.1	21.3
11 17	5 50.73	+27 44.8	1.649	2.534	12.4	21.1
11 27	5 41.33	+28 1.9	1.605	2.549	8.1	20.9
12 7	5 29.88	+28 11.4	1.587	2.563	3.7	20.7
12 17	5 17.69	+28 11.3	1.597	2.577	2.6	20.7
12 27	5 6.30	+28 2.5	1.637	2.590	6.7	20.9
1 6	4 57.00	+27 48.1	1.705	2.603	10.9	21.2
1 16	4 50.61	+27 31.9	1.796	2.615	14.4	21.5

157865 1998 WT_{39} 12 13.2 111°.95 2°.0/13.4 17

11 7	5 50.65	+27 39.4	2.358	3.153	12.5	19.9
11 17	5 45.23	+28 15.4	2.279	3.159	9.6	19.7
11 27	5 37.60	+28 48.5	2.223	3.165	6.4	19.5
12 7	5 28.41	+29 16.1	2.196	3.171	3.1	19.3
12 17	5 18.56	+29 36.3	2.198	3.176	2.4	19.3
12 27	5 9.11	+29 48.8	2.231	3.182	5.4	19.5
1 6	5 1.03	+29 54.6	2.293	3.187	8.7	19.7
1 16	4 55.03	+29 56.1	2.380	3.192	11.5	19.9

257051 2008 FE_{80} 12 13.2 353°.33 0°.2/13.2 18

11 7	5 49.16	+23 12.6	1.789	2.605	15.0	21.3
11 17	5 44.61	+23 7.4	1.709	2.603	11.5	21.0
11 27	5 37.43	+23 0.2	1.652	2.602	7.4	20.8
12 7	5 28.40	+22 50.6	1.621	2.601	2.9	20.5
12 17	5 18.59	+22 38.6	1.618	2.600	1.8	20.4
12 27	5 9.30	+22 25.5	1.643	2.599	6.4	20.7
1 6	5 1.71	+22 13.4	1.695	2.599	10.6	21.0
1 16	4 56.62	+22 4.4	1.771	2.599	14.2	21.2

407613 2011 BC_{118} 12 13.2 46°.46 2°.2/13.7 18

11 7	5 50.77	+30 35.6	1.949	2.751	14.4	20.9
11 17	5 45.61	+30 27.9	1.876	2.760	11.2	20.7
11 27	5 37.92	+30 12.0	1.827	2.769	7.5	20.5
12 7	5 28.53	+29 46.5	1.803	2.778	3.7	20.2
12 17	5 18.56	+29 11.4	1.809	2.787	2.6	20.2
12 27	5 9.28	+28 29.1	1.843	2.797	6.1	20.4
1 6	5 1.75	+27 43.5	1.905	2.807	9.7	20.7
1 16	4 56.69	+26 58.9	1.992	2.817	13.0	20.9

217493 2006 KK_{69} 12 13.2 88°.56 2°.9/13.3 18

11 7	5 53.32	+13 16.9	1.766	2.569	15.7	20.3
11 17	5 47.57	+13 40.9	1.699	2.582	12.2	20.1
11 27	5 39.22	+14 13.6	1.654	2.595	8.2	19.9
12 7	5 29.07	+14 54.4	1.635	2.608	4.2	19.7
12 17	5 18.21	+15 41.7	1.645	2.621	3.4	19.7
12 27	5 7.94	+16 33.8	1.685	2.634	7.0	20.0
1 6	4 59.40	+17 28.6	1.752	2.647	10.9	20.2
1 16	4 53.36	+18 24.7	1.844	2.660	14.3	20.5

336774 2011 BC_{63} 12 13.2 198°.76 7°.7/11.9 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
11 7	5 45.58	− 3 10.6	2.709	3.454	12.3	20.8
11 17	5 40.87	− 3 57.3	2.632	3.452	10.5	20.7
11 27	5 34.57	− 4 31.2	2.578	3.450	8.9	20.5
12 7	5 27.19	− 4 48.9	2.550	3.447	7.8	20.5
12 17	5 19.36	− 4 48.2	2.548	3.445	7.9	20.5
12 27	5 11.83	− 4 28.3	2.574	3.442	8.9	20.5
1 6	5 5.27	− 3 50.7	2.626	3.439	10.6	20.6
1 16	5 0.21	− 2 58.2	2.701	3.436	12.3	20.8

372848 2010 VR_{112} 12 13.2 19°.68 0°.3/13.2 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 50.84	+21 24.9	1.058	1.906	20.8	20.6
11 17	5 47.32	+21 45.9	1.000	1.911	16.0	20.4
11 27	5 39.85	+22 9.4	0.961	1.917	10.4	20.1
12 7	5 29.49	+22 33.2	0.943	1.924	4.1	19.8
12 17	5 17.96	+22 54.9	0.949	1.931	2.5	19.7
12 27	5 7.40	+23 13.8	0.980	1.940	8.8	20.1
1 6	4 59.59	+23 31.1	1.033	1.950	14.3	20.4
1 16	4 55.56	+23 48.8	1.106	1.961	19.0	20.7

493992 2016 AV_{103} 12 13.2 308°.32 2°.3/13.0 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 47.38	+15 24.3	2.234	3.037	12.8	21.3
11 17	5 42.74	+15 28.9	2.146	3.031	9.9	21.1
11 27	5 36.02	+15 38.3	2.081	3.024	6.6	20.9
12 7	5 27.83	+15 52.6	2.044	3.018	3.3	20.7
12 17	5 18.96	+16 11.9	2.036	3.013	2.8	20.6
12 27	5 10.41	+16 36.0	2.058	3.007	5.9	20.8
1 6	5 3.08	+17 4.4	2.108	3.001	9.4	21.0
1 16	4 57.67	+17 36.6	2.183	2.996	12.4	21.2

351393 2005 ES_{215} 12 13.2 185°.31 2°.9/12.8 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 50.29	+14 43.9	2.318	3.112	12.7	21.6
11 17	5 44.77	+14 24.7	2.233	3.112	9.9	21.5
11 27	5 37.22	+14 9.1	2.172	3.111	6.7	21.3
12 7	5 28.26	+13 58.1	2.139	3.110	3.7	21.1
12 17	5 18.73	+13 52.8	2.136	3.109	3.3	21.0
12 27	5 9.57	+13 54.1	2.164	3.107	6.2	21.2
1 6	5 1.67	+14 2.2	2.220	3.104	9.4	21.4
1 16	4 55.69	+14 17.0	2.301	3.101	12.3	21.6

43860 1994 CQ_9 12 13.2 44°.25 5°.6/12.8 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 46.70	+ 6 38.8	2.111	2.903	13.8	18.0
11 17	5 42.11	+ 6 16.6	2.042	2.911	11.1	17.9
11 27	5 35.52	+ 6 4.7	1.996	2.919	8.3	17.7
12 7	5 27.59	+ 6 5.6	1.976	2.928	6.1	17.6
12 17	5 19.15	+ 6 20.3	1.983	2.936	5.8	17.6
12 27	5 11.16	+ 6 49.0	2.019	2.945	7.8	17.7
1 6	5 4.46	+ 7 29.9	2.082	2.954	10.5	17.9
1 16	4 59.67	+ 8 20.6	2.169	2.963	13.1	18.1

419089 2009 SW_{133} 12 13.2 352°.70 3°.0/13.4 17

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 50.63	+29 41.1	2.022	2.824	14.0	21.2
11 17	5 45.71	+30 22.2	1.939	2.822	10.9	21.0
11 27	5 38.17	+30 59.2	1.880	2.821	7.4	20.8
12 7	5 28.73	+31 28.4	1.848	2.820	4.0	20.6
12 17	5 18.43	+31 47.2	1.844	2.819	3.3	20.5
12 27	5 8.55	+31 55.1	1.869	2.819	6.4	20.7
1 6	5 0.29	+31 53.8	1.922	2.818	10.0	20.9
1 16	4 54.47	+31 46.6	1.998	2.818	13.2	21.1

43091 1999 XL_1 12 13.2 305°.59 0°.3/13.3 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 49.09	+26 33.5	2.049	2.856	13.7	18.3
11 17	5 44.36	+25 59.8	1.951	2.840	10.6	18.1
11 27	5 37.21	+25 19.3	1.877	2.824	6.9	17.8
12 7	5 28.33	+24 31.9	1.829	2.809	2.7	17.5
12 17	5 18.69	+23 38.9	1.811	2.793	1.7	17.4
12 27	5 9.49	+22 43.4	1.823	2.778	6.0	17.7
1 6	5 1.79	+21 49.4	1.862	2.763	10.0	17.9
1 16	4 56.37	+21 0.5	1.926	2.749	13.5	18.1

207398 2006 AS_2 12 13.2 311°.01 1°.9/13.0 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	6 3.47	+20 8.5	1.410	2.215	18.8	23.7
11 17	5 58.30	+19 58.1	1.255	2.142	15.3	23.3
11 27	5 48.42	+19 47.6	1.120	2.066	10.6	22.8
12 7	5 33.70	+19 35.6	1.010	1.988	4.7	22.2
12 17	5 14.82	+19 20.4	0.926	1.907	3.6	21.9
12 27	4 53.75	+19 1.5	0.871	1.823	11.3	22.0
1 6	4 33.27	+18 41.7	0.843	1.736	19.6	22.1
1 16	4 16.11	+18 27.3	0.835	1.647	27.4	22.2

197495 2004 BU_{81} 12 13.2 355°.05 2°.6/13.5 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 48.22	+29 21.6	1.952	2.761	14.2	19.9
11 17	5 43.90	+29 46.3	1.871	2.758	11.0	19.7
11 27	5 37.01	+30 6.0	1.812	2.756	7.4	19.4
12 7	5 28.28	+30 18.0	1.780	2.754	3.8	19.2
12 17	5 18.75	+30 20.6	1.775	2.752	3.0	19.1
12 27	5 9.69	+30 14.0	1.799	2.751	6.3	19.4
1 6	5 2.24	+30 0.6	1.850	2.751	10.0	19.6
1 16	4 57.22	+29 43.6	1.924	2.752	13.3	19.8

191515 2003 UB_{111} 12 13.2 10°.43 0°.7/13.3 17

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
11 7	5 46.61	+24 57.2	1.589	2.416	16.0	19.6
11 17	5 42.94	+24 59.4	1.520	2.420	12.3	19.4
11 27	5 36.47	+24 58.4	1.474	2.425	7.9	19.1
12 7	5 28.07	+24 53.3	1.452	2.431	3.2	18.9
12 17	5 18.91	+24 43.7	1.457	2.439	1.9	18.8
12 27	5 10.40	+24 31.0	1.489	2.447	6.6	19.1
1 6	5 3.76	+24 17.5	1.547	2.456	11.0	19.4
1 16	4 59.79	+24 5.9	1.627	2.467	14.7	19.6

140334 2001 TU_3 12 13.2 208°.31 4°.7/12.0 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 48.71	+11 23.8	2.244	3.038	13.0	20.4
11 17	5 43.61	+10 27.5	2.159	3.034	10.3	20.2
11 27	5 36.50	+ 9 35.3	2.099	3.030	7.4	20.1
12 7	5 28.00	+ 8 50.3	2.066	3.026	5.1	19.9
12 17	5 18.95	+ 8 15.4	2.063	3.021	5.1	19.9
12 27	5 10.28	+ 7 52.9	2.088	3.016	7.4	20.0
1 6	5 2.86	+ 7 43.4	2.142	3.011	10.4	20.2
1 16	4 57.34	+ 7 46.7	2.219	3.006	13.1	20.4

356394 2010 QD_2 12 13.2 244°.57 3°.0/12.7 16

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	6 1.18	+14 2.7	2.601	3.363	12.3	22.9
11 17	5 53.19	+13 46.5	2.472	3.333	9.7	22.7
11 27	5 42.81	+13 33.0	2.369	3.301	6.7	22.5
12 7	5 30.57	+13 23.0	2.297	3.266	3.7	22.2
12 17	5 17.30	+13 17.4	2.259	3.229	3.4	22.1
12 27	5 4.06	+13 17.1	2.255	3.191	6.4	22.3
1 6	4 51.91	+13 22.7	2.282	3.150	9.9	22.4
1 16	4 41.71	+13 34.8	2.338	3.107	13.1	22.6

496322 2013 JR_{29} 12 13.2 236°.05 1°.7/13.3 17

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 52.46	+25 39.9	2.216	3.012	13.1	22.1
11 17	5 46.90	+26 23.9	2.122	3.004	10.2	21.9
11 27	5 38.89	+27 7.4	2.053	2.997	6.7	21.6
12 7	5 29.04	+27 47.4	2.012	2.989	3.0	21.4
12 17	5 18.28	+28 21.3	2.001	2.980	2.3	21.3
12 27	5 7.79	+28 47.6	2.020	2.972	5.8	21.6
1 6	4 58.68	+29 7.0	2.068	2.963	9.5	21.8
1 16	4 51.81	+29 21.3	2.142	2.954	12.7	22.0

173234 1999 AK_{11} 12 13.2 70°.48 2°.7/13.0 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 49.77	+15 33.1	1.865	2.674	14.7	20.4
11 17	5 44.84	+15 27.9	1.790	2.678	11.4	20.2
11 27	5 37.49	+15 27.5	1.737	2.681	7.6	20.0
12 7	5 28.44	+15 32.6	1.711	2.685	3.9	19.8
12 17	5 18.69	+15 43.6	1.713	2.689	3.3	19.7
12 27	5 9.45	+16 0.5	1.744	2.693	6.8	20.0
1 6	5 1.75	+16 23.1	1.802	2.697	10.6	20.2
1 16	4 56.37	+16 50.9	1.884	2.701	13.9	20.4

113617 2002 TJ_{57} 12 13.2 359°.07 2°.2/13.5 17

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 48.22	+28 27.8	1.997	2.805	13.9	19.6
11 17	5 43.81	+28 50.4	1.916	2.804	10.8	19.4
11 27	5 36.91	+29 8.7	1.858	2.803	7.2	19.2
12 7	5 28.24	+29 20.2	1.827	2.802	3.5	19.0
12 17	5 18.81	+29 23.5	1.824	2.802	2.6	18.9
12 27	5 9.84	+29 18.7	1.849	2.803	6.1	19.1
1 6	5 2.44	+29 8.0	1.902	2.804	9.7	19.4
1 16	4 57.39	+28 54.4	1.979	2.805	13.0	19.6

216131 2006 SE_{97} 12 13.2 219°.78 1°.3/13.0 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 49.92	+20 18.7	1.996	2.803	13.9	21.2
11 17	5 44.90	+20 4.3	1.912	2.801	10.7	21.0
11 27	5 37.51	+19 49.9	1.852	2.799	7.0	20.8
12 7	5 28.45	+19 35.7	1.818	2.797	2.9	20.5
12 17	5 18.70	+19 22.4	1.814	2.794	2.2	20.5
12 27	5 9.40	+19 11.2	1.839	2.792	6.2	20.7
1 6	5 1.59	+19 3.7	1.892	2.789	10.0	21.0
1 16	4 56.03	+19 1.2	1.968	2.786	13.4	21.2

365661 2010 VK_{38} 12 13.2 32°.34 2°.1/13.2 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 52.06	+26 0.1	1.904	2.710	14.6	20.8
11 17	5 46.87	+26 52.0	1.826	2.713	11.3	20.6
11 27	5 38.97	+27 43.1	1.771	2.716	7.4	20.3
12 7	5 29.09	+28 29.6	1.743	2.720	3.5	20.1
12 17	5 18.31	+29 8.3	1.745	2.723	2.7	20.1
12 27	5 7.98	+29 37.6	1.775	2.727	6.4	20.3
1 6	4 59.31	+29 58.4	1.833	2.731	10.2	20.6
1 16	4 53.20	+30 13.1	1.915	2.736	13.6	20.8

316584 2011 UJ_{61} 12 13.2 278°.40 3°.3/12.4 17

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 49.21	+16 57.6	1.929	2.738	14.3	20.8
11 17	5 44.48	+16 5.6	1.836	2.724	11.1	20.6
11 27	5 37.32	+15 13.5	1.766	2.710	7.5	20.3
12 7	5 28.42	+14 23.7	1.723	2.696	4.1	20.1
12 17	5 18.75	+13 39.3	1.709	2.682	4.0	20.1
12 27	5 9.46	+13 3.4	1.724	2.668	7.4	20.2
1 6	5 1.64	+12 38.2	1.766	2.654	11.2	20.4
1 16	4 56.07	+12 24.9	1.831	2.640	14.6	20.6

80118 1999 RO_{134} 12 13.2 55°.04 4°.4/12.7 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
11 7	5 51.97	+15 39.1	1.316	2.143	18.7	18.9
11 17	5 47.27	+14 55.5	1.254	2.151	14.5	18.7
11 27	5 39.36	+14 16.2	1.212	2.159	9.8	18.4
12 7	5 29.24	+13 44.3	1.194	2.167	5.4	18.2
12 17	5 18.30	+13 22.8	1.202	2.176	5.0	18.2
12 27	5 8.22	+13 13.8	1.236	2.185	9.1	18.5
1 6	5 0.36	+13 18.1	1.295	2.194	13.6	18.7
1 16	4 55.58	+13 34.7	1.374	2.203	17.5	19.0

516016 2015 RP_{255} 12 13.2 161°.63 0°.5/13.1 18

11 7	5 51.43	+22 28.0	2.146	2.947	13.3	22.1
11 17	5 45.86	+22 17.5	2.065	2.951	10.2	21.9
11 27	5 38.03	+22 5.3	2.008	2.955	6.6	21.7
12 7	5 28.64	+21 51.3	1.979	2.958	2.6	21.4
12 17	5 18.65	+21 35.8	1.979	2.961	1.7	21.4
12 27	5 9.15	+21 20.0	2.010	2.964	5.7	21.6
1 6	5 1.12	+21 5.8	2.069	2.966	9.4	21.9
1 16	4 55.26	+20 54.9	2.153	2.968	12.5	22.1

230224 2001 TS_{160} 12 13.2 276°.41 0°.4/13.3 18 R

11 7	5 52.21	+24 22.1	1.637	2.453	16.1	21.4
11 17	5 47.45	+24 22.8	1.546	2.439	12.5	21.1
11 27	5 39.60	+24 20.9	1.476	2.426	8.2	20.8
12 7	5 29.42	+24 14.9	1.432	2.412	3.3	20.5
12 17	5 18.12	+24 3.9	1.416	2.398	2.0	20.4
12 27	5 7.24	+23 49.2	1.427	2.384	7.1	20.7
1 6	4 58.23	+23 33.5	1.465	2.369	11.9	20.9
1 16	4 52.11	+23 19.8	1.525	2.355	16.0	21.1

150807 2001 RT_{95} 12 13.2 81°.30 2°.4/12.9 18

11 7	5 53.40	+18 8.7	1.530	2.347	17.0	21.0
11 17	5 47.92	+17 51.8	1.470	2.363	13.1	20.8
11 27	5 39.55	+17 37.5	1.431	2.379	8.5	20.5
12 7	5 29.26	+17 26.5	1.418	2.395	3.9	20.3
12 17	5 18.32	+17 19.7	1.432	2.411	3.2	20.3
12 27	5 8.20	+17 18.2	1.475	2.427	7.4	20.6
1 6	5 0.13	+17 22.9	1.543	2.443	11.7	20.9
1 16	4 54.87	+17 34.2	1.634	2.458	15.4	21.2

240980 2006 JF_{55} 12 13.2 236°.92 0°.7/13.1 18

11 7	5 51.69	+21 56.5	1.968	2.773	14.2	21.2
11 17	5 46.42	+21 46.8	1.876	2.764	11.0	21.0
11 27	5 38.61	+21 35.9	1.807	2.754	7.1	20.7
12 7	5 28.95	+21 23.5	1.765	2.744	2.8	20.4
12 17	5 18.45	+21 9.7	1.752	2.734	1.9	20.3
12 27	5 8.35	+20 55.9	1.769	2.723	6.3	20.6
1 6	4 59.79	+20 43.9	1.813	2.712	10.4	20.8
1 16	4 53.59	+20 35.8	1.882	2.700	13.9	21.0

55201 2001 RL_{23} 12 13.2 347°.95 2°.2/13.0 18

11 7	5 46.69	+19 31.2	1.147	1.995	19.5	18.6
11 17	5 44.02	+19 17.0	1.075	1.986	15.1	18.3
11 27	5 37.75	+19 4.6	1.022	1.978	9.9	18.0
12 7	5 28.77	+18 55.3	0.991	1.971	4.3	17.6
12 17	5 18.55	+18 49.8	0.984	1.965	3.3	17.6
12 27	5 9.00	+18 49.9	1.002	1.961	8.9	17.9
1 6	5 1.79	+18 56.8	1.042	1.958	14.4	18.2
1 16	4 58.03	+19 11.3	1.102	1.957	19.1	18.4

389409 2010 AL_{24} 12 13.2 272°.30 2°.1/13.1 18

11 7	5 51.60	+17 24.0	1.663	2.477	16.0	20.6
11 17	5 46.80	+17 28.1	1.574	2.466	12.4	20.4
11 27	5 39.10	+17 36.8	1.508	2.455	8.2	20.1
12 7	5 29.22	+17 50.0	1.467	2.444	3.7	19.8
12 17	5 18.27	+18 7.3	1.453	2.433	2.9	19.7
12 27	5 7.70	+18 28.5	1.468	2.422	7.3	20.0
1 6	4 58.85	+18 53.7	1.510	2.411	11.9	20.2
1 16	4 52.70	+19 22.7	1.574	2.399	15.8	20.4

262087 2006 RE_{76} 12 13.2 346°.88 2°.4/13.4 18

11 7	5 51.12	+27 11.9	1.188	2.026	19.6	20.7
11 17	5 47.59	+27 35.6	1.116	2.020	15.3	20.4
11 27	5 40.15	+27 54.8	1.063	2.015	10.2	20.1
12 7	5 29.74	+28 5.6	1.033	2.011	4.7	19.8
12 17	5 17.97	+28 5.1	1.027	2.008	3.3	19.7
12 27	5 6.95	+27 54.1	1.046	2.005	8.6	20.0
1 6	4 58.53	+27 36.4	1.089	2.004	14.0	20.3
1 16	4 53.88	+27 17.4	1.152	2.003	18.7	20.6

392513 2011 QR_{18} 12 13.2 114°.85 2°.3/12.8 15

11 7	5 52.58	+18 9.6	2.012	2.813	14.1	22.3
11 17	5 46.63	+17 38.5	1.946	2.830	10.8	22.1
11 27	5 38.43	+17 8.5	1.903	2.847	7.1	21.9
12 7	5 28.77	+16 40.7	1.888	2.864	3.4	21.7
12 17	5 18.64	+16 16.8	1.903	2.880	2.9	21.7
12 27	5 9.15	+15 58.3	1.947	2.895	6.3	21.9
1 6	5 1.26	+15 46.6	2.020	2.910	9.9	22.2
1 16	4 55.59	+15 42.5	2.117	2.924	13.0	22.4

199430 2006 DP_{19} 12 13.2 194°.79 3°.4/13.9 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
11 7	5 51.35	+34 20.3	2.575	3.354	12.0	21.7
11 17	5 45.75	+34 41.5	2.486	3.352	9.5	21.5
11 27	5 37.96	+34 55.2	2.422	3.351	6.7	21.4
12 7	5 28.64	+34 58.5	2.386	3.349	4.2	21.2
12 17	5 18.67	+34 50.1	2.379	3.347	3.6	21.1
12 27	5 9.12	+34 30.5	2.402	3.344	5.7	21.3
1 6	5 0.94	+34 2.2	2.454	3.341	8.5	21.5
1 16	4 54.82	+33 28.8	2.531	3.338	11.1	21.6

66457 1999 PY_{7} 12 13.2 118°.44 1°.1/13.4 18

11 7	5 55.08	+26 32.4	2.051	2.847	14.1	20.8
11 17	5 48.65	+26 35.5	1.984	2.865	10.8	20.7
11 27	5 39.78	+26 34.2	1.940	2.883	7.0	20.5
12 7	5 29.31	+26 27.1	1.923	2.901	2.9	20.2
12 17	5 18.32	+26 13.6	1.937	2.918	1.9	20.2
12 27	5 8.01	+25 55.2	1.981	2.934	5.7	20.5
1 6	4 59.42	+25 34.4	2.053	2.950	9.4	20.7
1 16	4 53.25	+25 14.3	2.151	2.965	12.6	21.0

436093 2009 SD_{215} 12 13.2 62°.57 0°.6/13.2 18

11 7	5 55.52	+21 37.9	1.311	2.136	18.9	21.0
11 17	5 49.92	+21 43.8	1.261	2.160	14.4	20.8
11 27	5 40.97	+21 50.0	1.232	2.183	9.2	20.6
12 7	5 29.83	+21 55.0	1.227	2.207	3.6	20.3
12 17	5 18.04	+21 58.2	1.249	2.231	2.2	20.3
12 27	5 7.34	+22 0.4	1.298	2.255	7.6	20.7
1 6	4 59.12	+22 3.3	1.372	2.279	12.3	21.0
1 16	4 54.15	+22 9.0	1.468	2.303	16.3	21.3

306171 2010 NS_{4} 12 13.2 205°.64 0°.9/13.4 18

11 7	5 52.55	+26 31.3	2.329	3.122	12.7	21.9
11 17	5 46.71	+26 29.0	2.236	3.117	9.8	21.7
11 27	5 38.61	+26 22.4	2.168	3.111	6.4	21.4
12 7	5 28.91	+26 10.5	2.127	3.105	2.7	21.2
12 17	5 18.52	+25 52.8	2.117	3.098	1.7	21.1
12 27	5 8.54	+25 30.6	2.137	3.090	5.4	21.3
1 6	4 59.95	+25 6.1	2.187	3.082	9.0	21.5
1 16	4 53.49	+24 42.2	2.262	3.074	12.1	21.7

46085 2001 EL_{11} 12 13.2 110°.34 7°.6/12.1 18

11 7	5 49.54	+ 3 27.3	1.996	2.776	14.9	19.1
11 17	5 44.29	+ 2 26.1	1.934	2.789	12.3	19.0
11 27	5 36.94	+ 1 36.7	1.894	2.801	9.7	18.9
12 7	5 28.20	+ 1 3.6	1.880	2.814	7.9	18.8
12 17	5 18.98	+ 0 49.7	1.894	2.825	7.8	18.8
12 27	5 10.31	+ 0 56.1	1.934	2.837	9.5	18.9
1 6	5 3.06	+ 1 21.2	2.000	2.848	12.0	19.1
1 16	4 57.88	+ 2 1.9	2.089	2.859	14.4	19.3

487526 2014 UY_{96} 12 13.2 230°.49 1°.8/13.4 18

11 7	5 50.03	+27 20.7	2.462	3.256	12.0	21.2
11 17	5 44.79	+27 53.0	2.372	3.252	9.3	21.1
11 27	5 37.39	+28 22.9	2.306	3.248	6.2	20.9
12 7	5 28.45	+28 48.1	2.268	3.244	2.9	20.6
12 17	5 18.79	+29 6.6	2.261	3.239	2.2	20.6
12 27	5 9.43	+29 18.1	2.283	3.234	5.3	20.8
1 6	5 1.32	+29 23.7	2.335	3.230	8.5	21.0
1 16	4 55.19	+29 25.3	2.412	3.225	11.4	21.2

329633 2003 SD_{69} 12 13.2 48°.40 9°.3/11.8 18

11 7	5 47.11	− 0 9.0	1.908	2.685	15.6	20.2
11 17	5 42.43	− 1 32.6	1.862	2.707	13.1	20.1
11 27	5 35.71	− 2 40.5	1.838	2.729	10.9	20.0
12 7	5 27.70	− 3 27.6	1.838	2.751	9.4	19.9
12 17	5 19.31	− 3 50.4	1.864	2.773	9.5	20.0
12 27	5 11.54	− 3 47.9	1.915	2.796	10.8	20.1
1 6	5 5.23	− 3 22.7	1.990	2.819	12.8	20.3
1 16	5 0.95	− 2 38.8	2.087	2.842	14.9	20.5

41274 1999 XS_{72} 12 13.2 107°.10 0°.3/13.2 18

11 7	5 50.12	+21 7.4	2.319	3.118	12.5	18.5
11 17	5 44.72	+21 28.2	2.243	3.127	9.6	18.4
11 27	5 37.25	+21 50.0	2.191	3.137	6.1	18.2
12 7	5 28.36	+22 11.4	2.168	3.147	2.4	17.9
12 17	5 18.89	+22 31.6	2.174	3.156	1.5	17.9
12 27	5 9.84	+22 50.2	2.212	3.165	5.2	18.2
1 6	5 2.11	+23 7.5	2.278	3.174	8.6	18.4
1 16	4 56.35	+23 24.4	2.369	3.183	11.5	18.6

140317 2001 SO_{323} 12 13.2 10°.82 0°.2/13.2 18

11 7	5 50.37	+21 30.2	1.812	2.625	14.9	19.7
11 17	5 45.56	+21 49.4	1.734	2.626	11.5	19.5
11 27	5 38.12	+22 9.7	1.678	2.627	7.4	19.3
12 7	5 28.78	+22 29.9	1.648	2.627	2.9	19.0
12 17	5 18.62	+22 48.5	1.647	2.629	1.8	18.9
12 27	5 8.93	+23 5.2	1.674	2.630	6.3	19.2
1 6	5 0.90	+23 20.6	1.729	2.632	10.5	19.5
1 16	4 55.36	+23 36.0	1.807	2.633	14.1	19.7

169713 2002 LQ_{50} 12 13.2 125°.76 0°.4/13.1 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
11 7	5 53.35	+25 6.7	1.957	2.759	14.4	20.1
11 17	5 47.42	+24 25.1	1.881	2.767	11.0	19.9
11 27	5 39.04	+23 37.9	1.829	2.776	7.1	19.7
12 7	5 29.04	+22 45.6	1.805	2.784	2.8	19.4
12 17	5 18.52	+21 50.4	1.810	2.792	1.8	19.3
12 27	5 8.69	+20 55.6	1.846	2.799	6.1	19.6
1 6	5 0.58	+20 5.0	1.909	2.806	10.0	19.9
1 16	4 54.88	+19 21.8	1.998	2.813	13.3	20.1

77940 2002 GP_{88} 12 13.2 78°.37 3°.8/13.1 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 55.60	+14 22.9	1.369	2.186	18.7	19.2
11 17	5 49.75	+14 11.5	1.317	2.208	14.4	19.0
11 27	5 40.78	+14 7.6	1.286	2.231	9.7	18.8
12 7	5 29.76	+14 12.4	1.280	2.253	5.1	18.6
12 17	5 18.12	+14 26.0	1.300	2.275	4.4	18.6
12 27	5 7.47	+14 48.2	1.348	2.297	8.4	18.9
1 6	4 59.09	+15 18.0	1.421	2.319	12.7	19.2
1 16	4 53.77	+15 54.2	1.516	2.340	16.4	19.5

96338 1997 LF_{5} 12 13.2 21°.61 4°.5/12.9 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 47.48	+10 32.7	1.895	2.700	14.7	19.5
11 17	5 43.03	+10 20.4	1.822	2.704	11.6	19.3
11 27	5 36.32	+10 16.9	1.772	2.708	8.2	19.1
12 7	5 28.03	+10 23.8	1.748	2.713	5.2	18.9
12 17	5 19.11	+10 42.0	1.751	2.718	4.9	18.9
12 27	5 10.66	+11 11.4	1.783	2.723	7.5	19.1
1 6	5 3.65	+11 50.4	1.841	2.729	10.8	19.3
1 16	4 58.80	+12 37.2	1.923	2.735	13.9	19.5

254056 2004 GU_{60} 12 13.2 181°.88 2°.1/12.9 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 49.61	+17 14.6	2.301	3.099	12.6	21.4
11 17	5 44.32	+16 57.1	2.217	3.100	9.7	21.2
11 27	5 37.00	+16 41.5	2.157	3.100	6.4	21.0
12 7	5 28.27	+16 28.5	2.125	3.100	3.1	20.8
12 17	5 18.97	+16 19.1	2.122	3.099	2.7	20.8
12 27	5 10.06	+16 14.2	2.151	3.098	5.8	21.0
1 6	5 2.42	+16 14.6	2.207	3.097	9.2	21.2
1 16	4 56.71	+16 20.7	2.289	3.095	12.1	21.4

268785 2006 TP_{85} 12 13.2 284°.20 3°.0/13.6 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 54.01	+29 22.7	1.468	2.285	17.6	20.8
11 17	5 49.43	+29 43.7	1.378	2.270	13.9	20.5
11 27	5 41.22	+29 58.5	1.309	2.254	9.4	20.2
12 7	5 30.20	+30 2.8	1.263	2.239	4.7	19.9
12 17	5 17.76	+29 53.9	1.244	2.223	3.6	19.8
12 27	5 5.78	+29 32.0	1.252	2.207	8.1	20.0
1 6	4 56.03	+29 1.5	1.286	2.192	13.1	20.2
1 16	4 49.71	+28 28.2	1.340	2.176	17.5	20.4

34031 Fukumitsu 12 13.2 157°.94 1°.0/13.1 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 53.57	+21 6.7	2.012	2.812	14.1	19.6
11 17	5 47.61	+20 55.8	1.934	2.819	10.8	19.4
11 27	5 39.23	+20 44.3	1.879	2.825	7.0	19.1
12 7	5 29.17	+20 32.0	1.852	2.831	2.8	18.9
12 17	5 18.48	+20 19.3	1.855	2.836	2.0	18.8
12 27	5 8.33	+20 7.5	1.888	2.840	6.1	19.1
1 6	4 59.79	+19 58.2	1.949	2.844	9.9	19.4
1 16	4 53.57	+19 53.0	2.034	2.847	13.2	19.6

409076 2003 SE_{292} 12 13.2 359°.59 20°.4/ 4.3 17

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 51.21	− 6 14.3	1.047	1.844	24.4	20.2
11 17	5 47.28	−10 29.8	1.005	1.843	22.3	20.0
11 27	5 39.69	−14 20.0	0.983	1.842	20.8	19.9
12 7	5 29.51	−17 24.1	0.980	1.841	20.5	19.9
12 17	5 18.29	−19 26.9	0.996	1.842	21.4	20.0
12 27	5 7.93	−20 22.7	1.029	1.843	23.1	20.1
1 6	5 0.06	−20 17.2	1.076	1.844	25.2	20.2
1 16	4 55.65	−19 21.8	1.135	1.846	27.1	20.4

152065 2004 PC_{96} 12 13.2 34°.59 0°.9/13.1 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 48.87	+21 20.4	1.909	2.721	14.3	20.2
11 17	5 44.18	+21 10.6	1.834	2.726	10.9	20.0
11 27	5 37.09	+21 0.3	1.782	2.731	7.1	19.8
12 7	5 28.36	+20 49.7	1.757	2.736	2.8	19.5
12 17	5 18.98	+20 39.0	1.760	2.741	1.9	19.5
12 27	5 10.14	+20 29.4	1.792	2.747	6.1	19.7
1 6	5 2.87	+20 22.5	1.852	2.753	10.0	20.0
1 16	4 57.89	+20 19.7	1.935	2.759	13.4	20.2

456651 2007 RT_{19} 12 13.2 115°.04 14°.4/11.7 17

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	6 2.67	− 7 7.8	1.493	2.232	20.9	21.9
11 17	5 54.53	− 9 26.9	1.460	2.265	18.2	21.8
11 27	5 43.53	−11 20.1	1.447	2.296	15.9	21.8
12 7	5 30.76	−12 37.3	1.457	2.325	14.5	21.8
12 17	5 17.63	−13 12.8	1.491	2.353	14.6	21.8
12 27	5 5.64	−13 6.6	1.548	2.379	15.8	22.0
1 6	4 55.94	−12 24.4	1.627	2.403	17.6	22.2
1 16	4 49.22	−11 15.1	1.725	2.426	19.4	22.4

103946 2000 DG_{72} 12 13.2 161°.32 0°.4/13.3 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
11 7	5 48.58	+24 25.5	2.493	3.291	11.8	20.3
11 17	5 43.50	+24 30.0	2.408	3.292	9.0	20.1
11 27	5 36.47	+24 32.4	2.349	3.294	5.8	19.9
12 7	5 28.08	+24 32.0	2.317	3.296	2.3	19.7
12 17	5 19.15	+24 28.4	2.315	3.297	1.4	19.6
12 27	5 10.59	+24 22.2	2.344	3.298	4.9	19.9
1 6	5 3.25	+24 14.7	2.402	3.299	8.2	20.1
1 16	4 57.76	+24 7.6	2.486	3.300	11.0	20.3

297352 2000 AO_{19} 12 13.2 343°.29 1°.5/13.5 17

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 45.36	+26 55.1	1.210	2.056	18.9	19.4
11 17	5 43.15	+26 53.9	1.130	2.039	14.7	19.1
11 27	5 37.30	+26 46.3	1.070	2.024	9.7	18.8
12 7	5 28.68	+26 30.2	1.031	2.011	4.2	18.5
12 17	5 18.74	+26 5.2	1.017	1.999	2.6	18.3
12 27	5 9.39	+25 33.6	1.028	1.989	8.3	18.6
1 6	5 2.38	+25 0.0	1.061	1.980	13.8	18.9
1 16	4 58.86	+24 29.4	1.114	1.974	18.6	19.2

227916 2007 FZ_{11} 12 13.2 256°.99 1°.0/13.4 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 53.51	+25 44.0	1.717	2.527	15.8	21.1
11 17	5 48.37	+25 48.0	1.624	2.514	12.3	20.9
11 27	5 40.19	+25 48.4	1.553	2.500	8.0	20.6
12 7	5 29.71	+25 43.1	1.508	2.487	3.4	20.3
12 17	5 18.13	+25 31.1	1.491	2.473	2.1	20.2
12 27	5 6.97	+25 13.4	1.503	2.459	6.9	20.5
1 6	4 57.65	+24 53.0	1.542	2.444	11.5	20.7
1 16	4 51.17	+24 33.5	1.603	2.430	15.5	20.9

58793 1998 FJ_{84} 12 13.2 325°.71 4°.5/12.9 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 47.25	+11 56.5	1.674	2.490	15.8	18.7
11 17	5 43.39	+11 43.6	1.586	2.475	12.5	18.4
11 27	5 36.88	+11 39.1	1.520	2.461	8.8	18.2
12 7	5 28.39	+11 45.2	1.479	2.448	5.4	17.9
12 17	5 18.94	+12 3.1	1.465	2.435	4.9	17.9
12 27	5 9.83	+12 32.9	1.478	2.423	8.2	18.0
1 6	5 2.28	+13 13.5	1.516	2.412	12.2	18.2
1 16	4 57.19	+14 2.9	1.577	2.401	15.9	18.5

510542 2012 JD_{1} 12 13.2 151°.80 2°.6/13.0 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 54.97	+16 32.8	1.737	2.541	15.9	22.4
11 17	5 48.98	+16 22.4	1.663	2.549	12.3	22.2
11 27	5 40.26	+16 15.8	1.612	2.556	8.1	21.9
12 7	5 29.64	+16 13.7	1.588	2.563	4.0	21.7
12 17	5 18.28	+16 16.3	1.592	2.569	3.3	21.7
12 27	5 7.53	+16 24.4	1.625	2.575	7.2	21.9
1 6	4 58.58	+16 38.3	1.686	2.580	11.3	22.2
1 16	4 52.26	+16 58.0	1.770	2.584	14.9	22.4

51207 2000 JR_{11} 12 13.2 317°.09 5°.5/13.3 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 53.45	+33 20.8	1.706	2.509	16.1	17.7
11 17	5 48.78	+34 34.1	1.619	2.498	12.9	17.5
11 27	5 40.74	+35 42.3	1.554	2.487	9.4	17.3
12 7	5 30.04	+36 38.8	1.514	2.476	6.3	17.1
12 17	5 17.94	+37 17.6	1.501	2.466	5.8	17.0
12 27	5 6.18	+37 36.5	1.516	2.456	8.6	17.1
1 6	4 56.40	+37 37.6	1.556	2.446	12.3	17.3
1 16	4 49.79	+37 26.1	1.619	2.437	15.8	17.5

259009 2002 TV_{117} 12 13.2 354°.49 0°.9/13.1 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 50.42	+22 43.1	1.771	2.585	15.2	20.2
11 17	5 45.58	+22 13.0	1.691	2.584	11.7	20.0
11 27	5 38.11	+21 39.6	1.635	2.584	7.5	19.8
12 7	5 28.81	+21 3.7	1.604	2.583	3.0	19.5
12 17	5 18.78	+20 26.9	1.602	2.583	2.1	19.4
12 27	5 9.34	+19 51.7	1.628	2.583	6.6	19.7
1 6	5 1.63	+19 21.2	1.682	2.583	10.8	20.0
1 16	4 56.44	+18 57.8	1.758	2.583	14.5	20.2

441080 2007 RP_{155} 12 13.2 300°.97 9°.5/14.5 16

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 57.67	+44 39.9	1.677	2.448	17.7	20.7
11 17	5 52.61	+45 44.1	1.592	2.436	15.0	20.5
11 27	5 43.47	+46 32.3	1.527	2.423	12.3	20.3
12 7	5 31.15	+46 55.6	1.484	2.411	10.1	20.1
12 17	5 17.30	+46 47.2	1.466	2.400	9.5	20.1
12 27	5 4.13	+46 6.6	1.474	2.388	11.1	20.1
1 6	4 53.62	+45 0.0	1.505	2.376	13.9	20.3
1 16	4 47.03	+43 37.4	1.559	2.365	16.9	20.4

86628 2000 ED_{127} 12 13.3 283°.26 0°.8/13.3 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 51.38	+24 19.3	1.857	2.667	14.8	19.7
11 17	5 46.38	+24 37.0	1.775	2.665	11.4	19.5
11 27	5 38.70	+24 53.4	1.715	2.663	7.4	19.2
12 7	5 29.08	+25 6.5	1.682	2.660	3.0	19.0
12 17	5 18.60	+25 14.9	1.677	2.658	1.9	18.9
12 27	5 8.58	+25 18.8	1.701	2.656	6.3	19.2
1 6	5 0.24	+25 19.7	1.752	2.654	10.4	19.4
1 16	4 54.41	+25 19.7	1.827	2.652	14.0	19.6

305286 2008 AD_1 12 13.3 181°.74 3°.8/12.3 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
11 7	5 50.26	+14 35.4	2.146	2.944	13.4	21.2
11 17	5 44.90	+13 41.1	2.064	2.945	10.5	21.0
11 27	5 37.41	+12 48.9	2.007	2.945	7.2	20.8
12 7	5 28.48	+12 1.5	1.977	2.945	4.4	20.6
12 17	5 18.99	+11 21.6	1.977	2.944	4.3	20.6
12 27	5 9.96	+10 51.8	2.006	2.944	7.0	20.8
1 6	5 2.29	+10 33.3	2.064	2.942	10.3	21.0
1 16	4 56.66	+10 26.4	2.145	2.941	13.2	21.2

255013 2005 TN_{40} 12 13.3 16°.21 2°.3/13.5 17

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 50.91	+27 54.9	1.830	2.639	15.0	20.7
11 17	5 46.13	+28 27.8	1.753	2.641	11.6	20.4
11 27	5 38.58	+28 56.9	1.698	2.643	7.7	20.2
12 7	5 29.05	+29 19.3	1.670	2.645	3.8	20.0
12 17	5 18.66	+29 32.6	1.670	2.648	2.9	19.9
12 27	5 8.79	+29 36.6	1.698	2.651	6.5	20.2
1 6	5 0.67	+29 33.3	1.753	2.655	10.4	20.4
1 16	4 55.17	+29 26.0	1.832	2.658	13.9	20.6

396775 2003 YU_{119} 12 13.3 12°.96 7°.7/15.6 17

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 50.66	+41 3.8	1.138	1.959	21.4	19.1
11 17	5 47.56	+41 8.3	1.082	1.965	17.5	18.9
11 27	5 40.10	+40 48.7	1.043	1.973	13.2	18.6
12 7	5 29.68	+39 59.4	1.026	1.984	9.2	18.5
12 17	5 18.38	+38 39.7	1.031	1.996	7.8	18.4
12 27	5 8.52	+36 56.3	1.061	2.009	10.1	18.6
1 6	5 1.82	+35 1.3	1.113	2.025	14.1	18.9
1 16	4 59.09	+33 7.0	1.187	2.042	18.0	19.2

53596 2000 CD_{63} 12 13.3 297°.68 2°.7/13.6 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 52.92	+29 19.5	1.457	2.276	17.6	19.3
11 17	5 48.55	+29 29.0	1.369	2.262	13.8	19.0
11 27	5 40.63	+29 31.1	1.302	2.248	9.3	18.8
12 7	5 30.00	+29 22.5	1.258	2.234	4.5	18.4
12 17	5 18.06	+29 1.1	1.241	2.221	3.3	18.3
12 27	5 6.66	+28 28.3	1.251	2.207	7.9	18.6
1 6	4 57.48	+27 49.0	1.286	2.194	12.9	18.8
1 16	4 51.66	+27 9.0	1.343	2.182	17.3	19.0

442509 2011 WH_{47} 12 13.3 43°.97 0°.9/13.3 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 52.64	+22 50.1	1.530	2.350	16.9	20.8
11 17	5 47.63	+23 31.3	1.470	2.365	12.9	20.6
11 27	5 39.59	+24 13.3	1.432	2.381	8.3	20.3
12 7	5 29.43	+24 53.0	1.419	2.398	3.4	20.1
12 17	5 18.47	+25 27.5	1.433	2.415	2.1	20.0
12 27	5 8.26	+25 55.5	1.475	2.432	6.9	20.4
1 6	5 0.12	+26 17.8	1.544	2.450	11.3	20.7
1 16	4 54.90	+26 36.6	1.635	2.468	15.0	21.0

125895 2001 XX_{212} 12 13.3 23°.10 5°.4/13.0 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 49.77	+11 10.0	1.373	2.196	18.3	18.9
11 17	5 45.58	+10 49.2	1.308	2.200	14.5	18.7
11 27	5 38.35	+10 39.0	1.263	2.205	10.2	18.5
12 7	5 28.97	+10 42.3	1.242	2.210	6.4	18.3
12 17	5 18.74	+11 0.2	1.247	2.216	5.8	18.3
12 27	5 9.18	+11 32.6	1.277	2.223	9.2	18.5
1 6	5 1.64	+12 17.4	1.332	2.230	13.4	18.7
1 16	4 56.99	+13 11.5	1.409	2.237	17.2	19.0

469300 1997 LQ_4 12 13.3 172°.34 1°.9/12.9 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 53.92	+18 34.3	2.084	2.881	13.8	22.9
11 17	5 47.81	+18 14.5	2.003	2.885	10.7	22.7
11 27	5 39.35	+17 55.5	1.945	2.888	7.0	22.5
12 7	5 29.28	+17 37.9	1.915	2.891	3.2	22.2
12 17	5 18.56	+17 22.7	1.915	2.893	2.6	22.2
12 27	5 8.34	+17 11.1	1.945	2.894	6.2	22.4
1 6	4 59.64	+17 4.5	2.004	2.894	9.9	22.7
1 16	4 53.17	+17 4.0	2.088	2.894	13.2	22.9

320034 2007 DE_{98} 12 13.3 342°.65 3°.1/12.9 17

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 47.40	+15 34.5	1.696	2.516	15.5	20.9
11 17	5 43.43	+15 22.4	1.615	2.509	12.1	20.7
11 27	5 36.85	+15 15.3	1.556	2.503	8.1	20.4
12 7	5 28.39	+15 14.4	1.522	2.497	4.2	20.2
12 17	5 19.09	+15 20.6	1.516	2.492	3.7	20.1
12 27	5 10.22	+15 34.3	1.537	2.488	7.4	20.3
1 6	5 2.95	+15 55.6	1.584	2.484	11.5	20.6
1 16	4 58.14	+16 23.7	1.653	2.481	15.1	20.8

485742 2012 BV_{89} 12 13.3 340°.32 6°.6/13.1 17

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 46.05	+ 7 41.2	1.480	2.298	17.4	20.8
11 17	5 42.75	+ 7 22.7	1.399	2.284	14.1	20.5
11 27	5 36.62	+ 7 17.8	1.338	2.272	10.5	20.3
12 7	5 28.36	+ 7 30.2	1.300	2.260	7.4	20.1
12 17	5 19.08	+ 8 1.9	1.288	2.250	6.9	20.0
12 27	5 10.19	+ 8 52.4	1.301	2.240	9.8	20.2
1 6	5 2.99	+ 9 58.8	1.338	2.232	13.6	20.4
1 16	4 58.46	+11 16.6	1.397	2.225	17.4	20.6

23487 1991 PX_4 12 13.3 159°.85 0°.6/13.2 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
11 7	5 48.29	+21 31.4	2.722	3.517	11.0	19.4
11 17	5 43.08	+21 26.2	2.639	3.521	8.4	19.2
11 27	5 36.12	+21 20.3	2.581	3.526	5.4	19.0
12 7	5 27.98	+21 13.7	2.551	3.529	2.2	18.8
12 17	5 19.38	+21 6.5	2.552	3.533	1.4	18.8
12 27	5 11.12	+20 59.5	2.584	3.536	4.6	19.0
1 6	5 3.97	+20 53.7	2.645	3.539	7.7	19.2
1 16	4 58.47	+20 50.2	2.733	3.542	10.3	19.4

253334 2003 FL_9 12 13.3 283°.73 2°.6/13.4 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 51.82	+28 40.7	1.999	2.800	14.2	20.9
11 17	5 46.87	+29 18.1	1.901	2.784	11.1	20.7
11 27	5 39.17	+29 52.5	1.826	2.768	7.5	20.5
12 7	5 29.36	+30 20.3	1.778	2.752	3.9	20.2
12 17	5 18.48	+30 38.8	1.759	2.736	3.1	20.1
12 27	5 7.86	+30 46.9	1.769	2.720	6.5	20.3
1 6	4 58.79	+30 46.4	1.806	2.703	10.4	20.5
1 16	4 52.23	+30 40.3	1.867	2.687	13.9	20.7

207193 2005 EZ_{38} 12 13.3 314°.34 8°.4/13.9 17

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 55.68	+41 5.5	1.649	2.435	17.3	20.0
11 17	5 50.96	+42 16.3	1.566	2.424	14.5	19.8
11 27	5 42.37	+43 14.4	1.503	2.414	11.5	19.6
12 7	5 30.76	+43 51.4	1.464	2.403	9.0	19.4
12 17	5 17.64	+44 0.8	1.449	2.394	8.5	19.4
12 27	5 5.09	+43 41.4	1.461	2.384	10.4	19.5
1 6	4 54.97	+42 58.3	1.497	2.375	13.5	19.6
1 16	4 48.55	+42 0.0	1.554	2.367	16.6	19.8

493402 2014 WA_{189} 12 13.3 335°.21 0°.2/13.3 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 49.65	+20 49.6	2.088	2.893	13.5	21.1
11 17	5 44.86	+21 34.4	1.998	2.887	10.4	20.9
11 27	5 37.68	+22 22.6	1.933	2.880	6.7	20.6
12 7	5 28.73	+23 12.0	1.895	2.874	2.7	20.4
12 17	5 18.90	+24 0.2	1.886	2.868	1.6	20.3
12 27	5 9.34	+24 45.2	1.908	2.863	5.8	20.5
1 6	5 1.14	+25 26.4	1.958	2.858	9.6	20.8
1 16	4 55.12	+26 4.2	2.032	2.853	12.9	21.0

18066 2000 AR_{79} 12 13.3 281°.39 2°.4/12.9 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 49.84	+17 43.0	1.831	2.642	14.9	18.6
11 17	5 45.24	+17 25.1	1.737	2.628	11.6	18.3
11 27	5 38.03	+17 9.2	1.666	2.613	7.7	18.0
12 7	5 28.89	+16 56.3	1.621	2.598	3.7	17.8
12 17	5 18.81	+16 47.4	1.604	2.582	3.1	17.7
12 27	5 9.07	+16 43.7	1.616	2.567	7.0	17.9
1 6	5 0.85	+16 46.4	1.655	2.552	11.2	18.1
1 16	4 55.04	+16 56.2	1.717	2.537	14.9	18.3

418560 2008 SD_{139} 12 13.3 18°.29 0°.7/13.2 17

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 47.67	+20 41.6	2.026	2.837	13.6	21.2
11 17	5 43.21	+20 49.7	1.950	2.841	10.4	21.0
11 27	5 36.49	+20 58.9	1.897	2.845	6.7	20.8
12 7	5 28.20	+21 8.5	1.870	2.849	2.7	20.5
12 17	5 19.26	+21 18.1	1.873	2.854	1.7	20.5
12 27	5 10.77	+21 27.8	1.904	2.860	5.7	20.7
1 6	5 3.71	+21 38.3	1.964	2.865	9.5	21.0
1 16	4 58.80	+21 50.4	2.047	2.871	12.7	21.2

310561 2001 QQ_{230} 12 13.3 20°.84 3°.1/13.9 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 50.78	+31 40.2	1.467	2.286	17.5	20.3
11 17	5 46.50	+31 37.5	1.402	2.294	13.7	20.1
11 27	5 38.98	+31 24.1	1.357	2.302	9.2	19.9
12 7	5 29.22	+30 57.5	1.337	2.311	4.8	19.7
12 17	5 18.70	+30 17.5	1.343	2.321	3.5	19.6
12 27	5 9.08	+29 27.4	1.376	2.332	7.4	19.9
1 6	5 1.74	+28 32.9	1.434	2.343	11.7	20.1
1 16	4 57.50	+27 39.9	1.515	2.356	15.5	20.4

369437 2009 YS_{19} 12 13.3 340°.76 1°.6/13.6 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 48.64	+28 55.3	2.054	2.860	13.7	20.3
11 17	5 44.08	+28 45.9	1.968	2.855	10.6	20.1
11 27	5 37.11	+28 29.9	1.905	2.850	7.0	19.9
12 7	5 28.46	+28 6.2	1.868	2.845	3.2	19.6
12 17	5 19.12	+27 34.6	1.860	2.841	2.1	19.6
12 27	5 10.27	+26 57.3	1.882	2.837	5.8	19.8
1 6	5 2.96	+26 17.4	1.931	2.834	9.6	20.0
1 16	4 57.94	+25 38.6	2.004	2.830	12.9	20.2

300431 2007 TP_{16} 12 13.3 318°.83 8°.7/12.0 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 48.13	+ 3 36.5	1.672	2.468	16.7	20.4
11 17	5 43.88	+ 2 31.8	1.598	2.463	13.9	20.2
11 27	5 37.09	+ 1 39.9	1.544	2.457	11.0	20.0
12 7	5 28.48	+ 1 6.6	1.515	2.452	9.0	19.9
12 17	5 19.10	+ 0 56.1	1.510	2.447	9.0	19.8
12 27	5 10.17	+ 1 10.1	1.532	2.442	11.0	20.0
1 6	5 2.82	+ 1 46.9	1.578	2.438	14.0	20.1
1 16	4 57.86	+ 2 42.4	1.644	2.433	16.9	20.3

99271 2001 PJ_2 12 13.3 161°.66 0°.8/13.5 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
11 7	5 48.51	+26 31.9	2.808	3.599	10.8	20.3
11 17	5 43.26	+26 32.3	2.723	3.603	8.3	20.1
11 27	5 36.25	+26 29.2	2.663	3.606	5.4	20.0
12 7	5 28.05	+26 22.0	2.632	3.609	2.3	19.7
12 17	5 19.38	+26 10.4	2.631	3.612	1.4	19.7
12 27	5 11.07	+25 55.2	2.662	3.615	4.5	19.9
1 6	5 3.87	+25 38.1	2.722	3.617	7.4	20.1
1 16	4 58.36	+25 20.9	2.808	3.619	10.0	20.3

399073 2014 CX_{21} 12 13.3 238°.45 0°.4/13.3 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 53.40	+24 38.1	1.853	2.659	14.9	21.6
11 17	5 48.03	+24 37.6	1.761	2.649	11.6	21.4
11 27	5 39.85	+24 34.2	1.691	2.638	7.5	21.1
12 7	5 29.61	+24 26.4	1.648	2.627	3.0	20.8
12 17	5 18.41	+24 13.8	1.634	2.616	1.8	20.7
12 27	5 7.62	+23 57.3	1.649	2.604	6.5	21.0
1 6	4 58.52	+23 39.7	1.691	2.591	10.8	21.2
1 16	4 52.04	+23 23.7	1.757	2.579	14.6	21.4

176093 2000 YS_{112} 12 13.3 4°.98 5°.0/14.3 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 52.25	+34 18.9	1.098	1.932	21.1	19.1
11 17	5 48.86	+34 24.6	1.033	1.931	16.8	18.8
11 27	5 41.12	+34 14.2	0.987	1.932	11.8	18.5
12 7	5 30.23	+33 42.6	0.961	1.933	6.9	18.3
12 17	5 18.13	+32 48.5	0.959	1.935	5.3	18.2
12 27	5 7.18	+31 36.4	0.982	1.939	9.4	18.4
1 6	4 59.30	+30 16.3	1.027	1.943	14.5	18.7
1 16	4 55.51	+28 57.8	1.092	1.949	19.1	19.0

99286 2001 QO_{139} 12 13.3 114°.25 13°.8/ 8.8 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 56.23	+ 4 2.5	1.148	1.959	21.9	18.4
11 17	5 50.76	+ 0 48.0	1.095	1.965	18.5	18.2
11 27	5 41.77	− 2 15.3	1.063	1.970	15.4	18.1
12 7	5 30.35	− 4 51.3	1.055	1.976	13.9	18.0
12 17	5 18.10	− 6 46.3	1.069	1.981	14.6	18.1
12 27	5 6.83	− 7 53.1	1.107	1.986	17.1	18.2
1 6	4 58.06	− 8 13.2	1.164	1.991	20.1	18.4
1 16	4 52.69	− 7 54.1	1.237	1.996	23.0	18.7

96329 1997 GY_8 12 13.3 307°.71 1°.0/13.1 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 49.94	+21 37.2	1.625	2.446	16.0	20.0
11 17	5 45.67	+21 23.9	1.537	2.434	12.4	19.7
11 27	5 38.48	+21 9.5	1.472	2.422	8.1	19.4
12 7	5 29.13	+20 54.0	1.431	2.410	3.3	19.1
12 17	5 18.76	+20 38.0	1.417	2.399	2.2	19.0
12 27	5 8.84	+20 23.2	1.432	2.388	7.1	19.3
1 6	5 0.71	+20 11.7	1.472	2.377	11.8	19.5
1 16	4 55.31	+20 5.6	1.535	2.366	15.8	19.8

489212 2006 JN_{74} 12 13.3 250°.72 0°.3/13.2 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 48.32	+22 37.3	2.522	3.320	11.6	22.4
11 17	5 43.40	+22 33.1	2.425	3.309	8.9	22.2
11 27	5 36.51	+22 27.7	2.353	3.299	5.8	22.0
12 7	5 28.23	+22 20.6	2.308	3.287	2.3	21.8
12 17	5 19.33	+22 11.9	2.294	3.276	1.4	21.7
12 27	5 10.70	+22 2.5	2.311	3.264	5.0	21.9
1 6	5 3.22	+21 53.6	2.356	3.253	8.4	22.1
1 16	4 57.55	+21 46.6	2.427	3.241	11.3	22.3

280913 2005 YS_{84} 12 13.3 161°.86 0°.1/13.3 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 54.40	+23 7.5	2.127	2.922	13.6	21.8
11 17	5 48.24	+23 13.9	2.046	2.929	10.4	21.6
11 27	5 39.69	+23 18.9	1.990	2.935	6.7	21.3
12 7	5 29.48	+23 21.4	1.962	2.940	2.7	21.1
12 17	5 18.61	+23 20.8	1.963	2.945	1.6	21.0
12 27	5 8.22	+23 17.6	1.996	2.949	5.7	21.3
1 6	4 59.38	+23 13.4	2.056	2.952	9.4	21.5
1 16	4 52.83	+23 10.2	2.143	2.955	12.7	21.8

86209 1999 TZ_{16} 12 13.3 32°.00 0°.4/13.3 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 49.88	+23 9.1	1.548	2.372	16.5	18.1
11 17	5 45.41	+23 25.8	1.492	2.390	12.6	17.9
11 27	5 38.10	+23 41.7	1.458	2.409	8.1	17.7
12 7	5 28.88	+23 55.2	1.449	2.428	3.2	17.4
12 17	5 19.01	+24 5.2	1.467	2.449	1.9	17.4
12 27	5 9.93	+24 11.8	1.512	2.470	6.6	17.8
1 6	5 2.83	+24 16.7	1.584	2.492	10.9	18.1
1 16	4 58.46	+24 21.7	1.678	2.514	14.5	18.3

310279 2011 UT_{61} 12 13.3 315°.70 1°.3/13.1 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 50.18	+19 59.9	1.854	2.666	14.7	20.6
11 17	5 45.37	+19 54.5	1.773	2.664	11.3	20.4
11 27	5 38.03	+19 50.1	1.715	2.663	7.4	20.1
12 7	5 28.88	+19 46.5	1.683	2.661	3.1	19.9
12 17	5 18.97	+19 44.1	1.679	2.660	2.2	19.8
12 27	5 9.52	+19 43.5	1.704	2.659	6.4	20.1
1 6	5 1.67	+19 45.8	1.757	2.657	10.5	20.3
1 16	4 56.21	+19 52.2	1.833	2.656	14.0	20.5

110399 2001 TR_{10} 12 13.3 20°.53 1°.3/13.2 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
11 7	5 49.45	+19 11.9	1.657	2.476	15.8	19.3
11 17	5 45.03	+19 20.5	1.585	2.480	12.2	19.1
11 27	5 37.90	+19 32.1	1.535	2.485	7.9	18.9
12 7	5 28.85	+19 46.0	1.511	2.490	3.3	18.6
12 17	5 19.00	+20 1.7	1.514	2.496	2.3	18.5
12 27	5 9.72	+20 18.9	1.546	2.502	6.7	18.8
1 6	5 2.19	+20 37.9	1.603	2.508	11.0	19.1
1 16	4 57.25	+20 59.1	1.684	2.515	14.7	19.4

85501 1997 TP_{23} 12 13.3 172°.63 1°.9/12.9 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 53.43	+18 55.2	2.103	2.900	13.7	20.6
11 17	5 47.44	+18 29.8	2.021	2.904	10.6	20.4
11 27	5 39.14	+18 4.5	1.963	2.907	6.9	20.2
12 7	5 29.27	+17 40.4	1.933	2.909	3.2	20.0
12 17	5 18.77	+17 18.4	1.933	2.911	2.6	19.9
12 27	5 8.76	+17 0.4	1.963	2.912	6.2	20.2
1 6	5 0.25	+16 47.8	2.022	2.912	9.9	20.4
1 16	4 53.95	+16 41.7	2.105	2.912	13.1	20.6

413252 2003 SM_{322} 12 13.3 79°.70 2°.5/14.0 17

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 53.23	+32 41.5	2.305	3.090	13.0	20.6
11 17	5 47.07	+32 31.4	2.241	3.114	10.1	20.5
11 27	5 38.73	+32 12.6	2.201	3.137	6.9	20.3
12 7	5 29.02	+31 43.6	2.189	3.160	3.7	20.1
12 17	5 18.96	+31 4.7	2.207	3.183	2.8	20.1
12 27	5 9.63	+30 18.3	2.255	3.205	5.4	20.3
1 6	5 1.92	+29 28.2	2.332	3.227	8.5	20.6
1 16	4 56.41	+28 38.3	2.435	3.250	11.3	20.8

447544 2006 SS_{286} 12 13.3 52°.83 2°.7/13.4 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 54.51	+27 31.2	1.607	2.418	16.6	20.5
11 17	5 49.00	+28 19.9	1.551	2.440	12.8	20.3
11 27	5 40.46	+29 4.9	1.517	2.462	8.5	20.1
12 7	5 29.83	+29 41.7	1.509	2.485	4.2	19.9
12 17	5 18.47	+30 7.2	1.529	2.507	3.2	19.9
12 27	5 7.93	+30 21.0	1.577	2.530	7.0	20.2
1 6	4 59.53	+30 25.6	1.652	2.553	11.0	20.5
1 16	4 54.08	+30 24.5	1.749	2.576	14.4	20.8

479202 2013 CT_{101} 12 13.3 251°.53 11°.7/11.7 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 48.23	− 8 20.1	1.996	2.734	16.3	20.9
11 17	5 43.57	− 9 33.8	1.927	2.730	14.5	20.7
11 27	5 36.72	−10 27.9	1.878	2.725	12.8	20.6
12 7	5 28.34	−10 56.0	1.851	2.721	11.8	20.5
12 17	5 19.32	−10 54.1	1.848	2.716	11.9	20.5
12 27	5 10.69	−10 21.2	1.869	2.712	12.9	20.6
1 6	5 3.41	− 9 20.2	1.913	2.707	14.6	20.7
1 16	4 58.19	− 7 56.5	1.977	2.703	16.5	20.8

164274 2004 XM_{17} 12 13.3 344°.76 0°.5/13.3 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 51.31	+23 44.5	1.564	2.385	16.5	19.8
11 17	5 46.81	+23 56.4	1.486	2.382	12.8	19.6
11 27	5 39.25	+24 7.0	1.430	2.380	8.3	19.3
12 7	5 29.44	+24 14.8	1.398	2.377	3.3	19.0
12 17	5 18.65	+24 18.3	1.394	2.376	2.0	18.9
12 27	5 8.42	+24 18.1	1.417	2.374	7.0	19.3
1 6	5 0.14	+24 16.0	1.466	2.373	11.7	19.5
1 16	4 54.76	+24 14.6	1.538	2.372	15.7	19.8

158338 2001 WY_{83} 12 13.3 156°.75 0°.1/13.3 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 54.41	+22 50.9	1.900	2.702	14.8	21.0
11 17	5 48.55	+23 1.9	1.822	2.708	11.3	20.8
11 27	5 40.04	+23 12.2	1.767	2.713	7.3	20.5
12 7	5 29.68	+23 20.3	1.739	2.718	2.9	20.3
12 17	5 18.54	+23 25.2	1.740	2.722	1.7	20.2
12 27	5 7.95	+23 27.3	1.771	2.726	6.2	20.5
1 6	4 59.06	+23 28.0	1.830	2.729	10.2	20.7
1 16	4 52.69	+23 29.3	1.914	2.732	13.7	21.0

488030 2015 UT_{31} 12 13.3 68°.16 4°.5/12.6 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 49.62	+12 46.2	1.814	2.622	15.1	21.2
11 17	5 44.68	+12 4.6	1.750	2.634	11.8	21.0
11 27	5 37.41	+11 28.8	1.709	2.647	8.3	20.9
12 7	5 28.58	+11 1.5	1.693	2.660	5.2	20.7
12 17	5 19.22	+10 44.8	1.706	2.672	4.9	20.7
12 27	5 10.47	+10 40.2	1.746	2.685	7.7	20.9
1 6	5 3.31	+10 47.6	1.813	2.698	11.1	21.1
1 16	4 58.43	+11 6.0	1.903	2.711	14.2	21.4

311645 2006 RW_{22} 12 13.3 26°.72 7°.0/13.5 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 54.39	+35 20.2	1.452	2.261	18.2	19.3
11 17	5 49.81	+36 49.5	1.393	2.273	14.6	19.1
11 27	5 41.49	+38 9.3	1.355	2.285	10.8	18.9
12 7	5 30.39	+39 11.3	1.341	2.298	7.7	18.8
12 17	5 18.11	+39 49.2	1.353	2.311	7.2	18.8
12 27	5 6.63	+40 1.7	1.390	2.326	9.6	19.0
1 6	4 57.70	+39 53.2	1.452	2.342	13.0	19.2
1 16	4 52.36	+39 30.8	1.535	2.358	16.3	19.5

70721 1999 *VD* 12 13.3 74°.71 3°.3/12.9 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
11 7	5 51.13	+15 30.0	1.691	2.503	15.9	19.9
11 17	5 46.07	+15 8.2	1.625	2.514	12.3	19.7
11 27	5 38.42	+14 50.9	1.581	2.525	8.2	19.5
12 7	5 29.01	+14 39.6	1.563	2.536	4.4	19.3
12 17	5 18.96	+14 35.5	1.573	2.548	3.8	19.3
12 27	5 9.56	+14 39.5	1.611	2.559	7.4	19.5
1 6	5 1.91	+14 51.6	1.675	2.570	11.3	19.8
1 16	4 56.76	+15 11.6	1.762	2.581	14.7	20.0

11843 1987 DM_6 12 13.3 330°.26 3°.5/12.8 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 48.34	+17 56.5	1.187	2.029	19.4	17.7
11 17	5 45.29	+17 20.6	1.109	2.016	15.1	17.4
11 27	5 38.68	+16 46.3	1.051	2.003	10.1	17.1
12 7	5 29.34	+16 16.1	1.015	1.992	5.1	16.8
12 17	5 18.70	+15 52.9	1.003	1.981	4.4	16.7
12 27	5 8.64	+15 39.9	1.016	1.971	9.5	16.9
1 6	5 0.83	+15 38.9	1.051	1.962	14.8	17.2
1 16	4 56.43	+15 50.3	1.106	1.954	19.5	17.5

185616 2008 CC_{72} 12 13.3 298°.25 8°.5/11.8 17

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 47.26	+ 2 41.1	1.866	2.654	15.5	19.8
11 17	5 43.11	+ 1 39.7	1.780	2.638	13.0	19.6
11 27	5 36.60	+ 0 50.1	1.714	2.622	10.5	19.4
12 7	5 28.36	+ 0 17.9	1.674	2.606	8.7	19.3
12 17	5 19.31	+ 0 7.1	1.659	2.590	8.8	19.3
12 27	5 10.55	+ 0 19.7	1.670	2.574	10.7	19.3
1 6	5 3.16	+ 0 54.6	1.706	2.559	13.4	19.5
1 16	4 57.93	+ 1 48.4	1.763	2.544	16.2	19.6

67242 2000 EG_{47} 12 13.3 339°.20 0°.4/13.3 17

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 47.62	+24 3.3	1.900	2.715	14.3	18.9
11 17	5 43.52	+24 7.8	1.814	2.707	11.0	18.6
11 27	5 36.91	+24 10.4	1.750	2.699	7.1	18.4
12 7	5 28.49	+24 10.2	1.712	2.692	2.9	18.1
12 17	5 19.25	+24 6.6	1.703	2.685	1.7	18.0
12 27	5 10.43	+24 0.4	1.722	2.679	6.1	18.3
1 6	5 3.14	+23 53.3	1.768	2.673	10.1	18.5
1 16	4 58.19	+23 47.3	1.838	2.669	13.7	18.7

181304 2006 QO_{24} 12 13.3 50°.38 3°.6/13.9 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 53.14	+32 0.9	1.730	2.534	15.9	20.2
11 17	5 47.99	+32 22.2	1.660	2.542	12.5	20.0
11 27	5 39.85	+32 34.9	1.612	2.551	8.6	19.8
12 7	5 29.64	+32 35.6	1.589	2.559	4.8	19.6
12 17	5 18.64	+32 22.6	1.593	2.568	3.9	19.5
12 27	5 8.36	+31 57.1	1.626	2.577	7.0	19.7
1 6	5 0.12	+31 23.3	1.685	2.586	10.8	20.0
1 16	4 54.74	+30 46.2	1.768	2.595	14.3	20.2

114854 2003 PY_7 12 13.3 34°.19 0°.7/13.4 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 51.73	+26 27.3	1.329	2.159	18.4	19.1
11 17	5 47.27	+26 6.9	1.271	2.171	14.1	18.9
11 27	5 39.49	+25 39.8	1.234	2.185	9.1	18.7
12 7	5 29.48	+25 5.7	1.220	2.199	3.7	18.4
12 17	5 18.77	+24 25.8	1.232	2.215	2.1	18.3
12 27	5 9.06	+23 43.7	1.272	2.230	7.4	18.7
1 6	5 1.72	+23 4.1	1.336	2.247	12.2	19.0
1 16	4 57.56	+22 30.8	1.422	2.264	16.3	19.3

39971 József 12 13.3 162°.90 3°.1/12.7 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 51.71	+14 52.3	2.345	3.136	12.7	20.6
11 17	5 45.85	+14 19.2	2.266	3.142	9.8	20.4
11 27	5 38.00	+13 48.8	2.211	3.149	6.7	20.2
12 7	5 28.82	+13 22.7	2.184	3.154	3.8	20.0
12 17	5 19.13	+13 2.5	2.188	3.159	3.5	20.0
12 27	5 9.88	+12 49.7	2.222	3.163	6.2	20.2
1 6	5 1.93	+12 44.9	2.285	3.166	9.3	20.4
1 16	4 55.88	+12 48.4	2.374	3.169	12.1	20.6

37365 2001 UG_{153} 12 13.3 280°.96 0°.2/13.3 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 52.26	+23 22.6	1.611	2.428	16.3	19.0
11 17	5 47.55	+23 27.9	1.525	2.419	12.6	18.8
11 27	5 39.77	+23 32.0	1.461	2.410	8.2	18.5
12 7	5 29.70	+23 33.3	1.421	2.401	3.3	18.2
12 17	5 18.55	+23 31.0	1.410	2.392	1.9	18.1
12 27	5 7.87	+23 25.8	1.426	2.383	7.1	18.4
1 6	4 59.07	+23 19.8	1.469	2.374	11.8	18.6
1 16	4 53.15	+23 15.6	1.534	2.365	15.9	18.9

371516 2006 UM_{123} 12 13.3 93°.35 2°.9/13.6 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 59.20	+28 59.3	1.493	2.300	17.8	20.9
11 17	5 52.79	+29 29.6	1.435	2.321	13.8	20.7
11 27	5 42.99	+29 53.5	1.399	2.342	9.2	20.5
12 7	5 30.86	+30 6.8	1.388	2.362	4.6	20.3
12 17	5 17.96	+30 6.8	1.404	2.382	3.4	20.3
12 27	5 6.08	+29 54.8	1.448	2.401	7.5	20.5
1 6	4 56.67	+29 34.9	1.519	2.420	11.8	20.8
1 16	4 50.58	+29 12.3	1.613	2.439	15.5	21.1

132524 APL 12 13.3 98°.57 1°.1/13.4 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
11 7	5 55.76	+25 42.9	2.010	2.806	14.3	19.9
11 17	5 49.24	+25 58.4	1.950	2.831	10.9	19.7
11 27	5 40.28	+26 10.6	1.913	2.856	7.1	19.5
12 7	5 29.72	+26 17.6	1.903	2.881	3.0	19.3
12 17	5 18.65	+26 18.3	1.924	2.905	1.9	19.3
12 27	5 8.31	+26 13.6	1.975	2.928	5.7	19.6
1 6	4 59.72	+26 5.5	2.054	2.951	9.4	19.8
1 16	4 53.58	+25 56.7	2.158	2.973	12.5	20.1

269222 2008 OX_{20} 12 13.3 333°.57 9°.9/11.7 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 44.29	+ 0 5.2	1.732	2.522	16.4	19.7
11 17	5 41.02	− 1 0.6	1.649	2.504	14.0	19.5
11 27	5 35.35	− 1 51.5	1.587	2.486	11.7	19.3
12 7	5 27.91	− 2 21.3	1.547	2.470	10.1	19.2
12 17	5 19.63	− 2 25.0	1.532	2.454	10.2	19.1
12 27	5 11.66	− 2 0.8	1.541	2.439	11.9	19.2
1 6	5 5.09	− 1 10.7	1.574	2.425	14.5	19.3
1 16	5 0.74	+ 0 0.9	1.627	2.411	17.2	19.5

484395 2007 WQ_{39} 12 13.3 343°.83 3°.6/12.9 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 45.21	+16 6.8	1.272	2.114	18.4	20.6
11 17	5 42.66	+15 48.6	1.194	2.100	14.4	20.3
11 27	5 36.87	+15 35.9	1.135	2.087	9.7	20.0
12 7	5 28.63	+15 30.7	1.099	2.075	5.0	19.7
12 17	5 19.20	+15 34.8	1.087	2.065	4.3	19.6
12 27	5 10.26	+15 49.0	1.101	2.056	8.9	19.9
1 6	5 3.34	+16 13.3	1.137	2.049	13.9	20.1
1 16	4 59.50	+16 46.6	1.194	2.043	18.3	20.4

97523 2000 DW_{22} 12 13.3 25°.97 3°.7/13.9 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 50.43	+32 24.6	1.640	2.452	16.3	18.6
11 17	5 45.99	+32 44.5	1.579	2.465	12.8	18.4
11 27	5 38.58	+32 55.0	1.538	2.479	8.8	18.2
12 7	5 29.14	+32 53.0	1.523	2.493	5.0	18.0
12 17	5 19.00	+32 37.0	1.534	2.508	4.0	18.0
12 27	5 9.67	+32 8.8	1.573	2.524	7.1	18.2
1 6	5 2.40	+31 32.6	1.637	2.541	10.9	18.5
1 16	4 57.99	+30 53.7	1.725	2.559	14.3	18.7

477254 2009 SS_{48} 12 13.3 8°.73 8°.3/14.1 16

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 48.31	+35 55.9	0.954	1.802	22.6	20.5
11 17	5 46.57	+37 8.3	0.901	1.803	18.3	20.2
11 27	5 40.09	+38 5.9	0.866	1.807	13.6	20.0
12 7	5 30.01	+38 39.1	0.849	1.813	9.5	19.8
12 17	5 18.46	+38 41.3	0.854	1.820	8.5	19.7
12 27	5 8.10	+38 13.3	0.881	1.830	11.6	19.9
1 6	5 1.13	+37 23.6	0.928	1.842	15.9	20.2
1 16	4 58.66	+36 23.2	0.993	1.855	20.1	20.5

302655 2002 RG_{248} 12 13.3 106°.69 2°.2/13.7 16

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 54.01	+29 12.4	1.932	2.731	14.7	21.6
11 17	5 48.26	+29 27.0	1.861	2.742	11.4	21.4
11 27	5 39.85	+29 35.6	1.812	2.754	7.6	21.2
12 7	5 29.62	+29 35.7	1.790	2.765	3.7	21.0
12 17	5 18.72	+29 26.1	1.798	2.776	2.7	21.0
12 27	5 8.48	+29 8.0	1.834	2.787	6.2	21.2
1 6	5 0.04	+28 44.5	1.898	2.797	9.9	21.5
1 16	4 54.16	+28 19.2	1.987	2.808	13.2	21.7

249489 2009 UN_{131} 12 13.3 37°.50 7°.4/13.0 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 47.32	+ 2 43.0	1.932	2.717	15.2	19.6
11 17	5 42.83	+ 2 11.8	1.869	2.727	12.5	19.5
11 27	5 36.21	+ 1 54.7	1.827	2.737	9.8	19.3
12 7	5 28.16	+ 1 55.1	1.810	2.747	7.8	19.2
12 17	5 19.58	+ 2 14.7	1.819	2.758	7.6	19.2
12 27	5 11.49	+ 2 53.0	1.856	2.769	9.2	19.4
1 6	5 4.81	+ 3 47.6	1.919	2.781	11.7	19.6
1 16	5 0.17	+ 4 54.4	2.004	2.793	14.3	19.7

488440 2016 XG_{24} 12 13.3 338°.07 12°.8/10.0 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 45.42	− 0 1.3	1.368	2.173	19.3	19.9
11 17	5 42.38	− 2 4.4	1.299	2.161	16.7	19.7
11 27	5 36.44	− 3 52.3	1.251	2.149	14.3	19.6
12 7	5 28.40	− 5 14.5	1.223	2.139	12.9	19.4
12 17	5 19.40	− 6 2.5	1.218	2.129	13.3	19.4
12 27	5 10.89	− 6 11.8	1.236	2.121	15.2	19.5
1 6	5 4.19	− 5 44.3	1.273	2.113	17.9	19.7
1 16	5 0.20	− 4 45.8	1.328	2.107	20.7	19.9

479591 2014 *DV* 12 13.3 271°.73 0°.2/13.3 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 52.55	+23 28.2	1.663	2.477	16.0	21.6
11 17	5 47.74	+23 21.0	1.571	2.463	12.4	21.4
11 27	5 39.91	+23 11.3	1.500	2.449	8.1	21.1
12 7	5 29.79	+22 58.2	1.455	2.434	3.2	20.8
12 17	5 18.57	+22 41.5	1.437	2.419	1.9	20.6
12 27	5 7.75	+22 22.9	1.448	2.404	7.1	20.9
1 6	4 58.75	+22 5.0	1.485	2.389	11.8	21.2
1 16	4 52.57	+21 50.7	1.545	2.374	15.9	21.4

434423 2005 MM_{25} 12 13.3 124°.58 0°.5/13.4 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
11 7	5 56.86	+25 2.2	1.796	2.597	15.5	22.0
11 17	5 50.42	+25 0.3	1.729	2.613	11.9	21.8
11 27	5 41.21	+24 54.8	1.684	2.629	7.7	21.6
12 7	5 30.15	+24 44.3	1.665	2.644	3.1	21.3
12 17	5 18.46	+24 28.5	1.677	2.658	1.8	21.3
12 27	5 7.53	+24 9.1	1.718	2.672	6.3	21.6
1 6	4 58.54	+23 48.8	1.786	2.685	10.4	21.9
1 16	4 52.26	+23 30.8	1.879	2.697	13.9	22.1

168665 2000 EJ_{113} 12 13.3 337°.59 4°.7/13.4 17

11 7	5 47.43	+30 14.0	1.266	2.103	18.7	19.9
11 17	5 45.05	+31 8.4	1.182	2.083	14.9	19.6
11 27	5 38.86	+31 58.7	1.116	2.064	10.4	19.3
12 7	5 29.58	+32 39.0	1.073	2.046	6.0	19.0
12 17	5 18.64	+33 3.7	1.054	2.029	5.2	18.9
12 27	5 8.09	+33 10.5	1.060	2.014	9.3	19.1
1 6	4 59.89	+33 2.3	1.088	2.001	14.2	19.3
1 16	4 55.40	+32 44.8	1.137	1.989	18.8	19.5

117924 4699 *P–L* 12 13.3 101°.53 2°.1/13.0 18

11 7	5 55.50	+19 0.8	1.580	2.391	16.8	20.7
11 17	5 49.53	+18 41.3	1.519	2.409	12.9	20.5
11 27	5 40.70	+18 23.2	1.480	2.427	8.4	20.3
12 7	5 29.95	+18 7.2	1.467	2.444	3.7	20.0
12 17	5 18.59	+17 54.1	1.481	2.461	2.9	20.0
12 27	5 8.06	+17 45.5	1.525	2.477	7.2	20.3
1 6	4 59.58	+17 42.8	1.595	2.493	11.5	20.6
1 16	4 53.90	+17 46.8	1.688	2.508	15.1	20.9

322180 2010 XO_{39} 12 13.3 74°.69 2°.5/13.2 18

11 7	5 50.65	+15 0.0	1.998	2.800	14.1	20.2
11 17	5 45.38	+15 8.9	1.931	2.815	10.9	20.1
11 27	5 37.87	+15 23.4	1.887	2.829	7.2	19.9
12 7	5 28.83	+15 43.5	1.869	2.844	3.6	19.7
12 17	5 19.22	+16 8.6	1.881	2.858	2.9	19.7
12 27	5 10.14	+16 38.1	1.923	2.872	6.2	19.9
1 6	5 2.53	+17 11.3	1.992	2.887	9.8	20.1
1 16	4 57.09	+17 47.6	2.086	2.901	12.9	20.4

223423 2003 SD_{246} 12 13.3 60°.48 0°.3/13.3 18

11 7	5 50.05	+23 50.9	2.057	2.863	13.6	20.6
11 17	5 44.95	+23 56.3	1.991	2.879	10.4	20.5
11 27	5 37.58	+23 59.9	1.948	2.895	6.7	20.3
12 7	5 28.72	+24 0.7	1.933	2.912	2.6	20.0
12 17	5 19.33	+23 58.4	1.946	2.928	1.5	20.0
12 27	5 10.51	+23 53.7	1.989	2.945	5.5	20.3
1 6	5 3.22	+23 48.2	2.060	2.961	9.1	20.5
1 16	4 58.13	+23 43.6	2.156	2.978	12.2	20.8

79403 1997 HX_{9} 12 13.3 93°.82 3°.1/13.5 18

11 7	5 57.74	+28 31.5	1.569	2.376	17.1	19.3
11 17	5 51.74	+29 20.6	1.506	2.391	13.3	19.1
11 27	5 42.42	+30 5.3	1.464	2.406	8.9	18.8
12 7	5 30.74	+30 40.5	1.447	2.421	4.6	18.6
12 17	5 18.14	+31 2.6	1.459	2.435	3.6	18.6
12 27	5 6.35	+31 11.1	1.498	2.450	7.4	18.9
1 6	4 56.83	+31 9.0	1.564	2.464	11.6	19.1
1 16	4 50.51	+31 0.8	1.653	2.477	15.3	19.4

231082 2005 QK_{96} 12 13.3 100°.27 3°.8/13.9 18

11 7	5 59.80	+32 8.9	1.684	2.478	16.7	21.0
11 17	5 53.01	+32 39.6	1.624	2.501	13.0	20.8
11 27	5 43.03	+33 1.2	1.587	2.523	9.0	20.6
12 7	5 30.90	+33 9.4	1.575	2.544	5.1	20.4
12 17	5 18.09	+33 2.0	1.592	2.566	4.1	20.4
12 27	5 6.25	+32 40.4	1.638	2.586	7.3	20.7
1 6	4 56.73	+32 9.2	1.710	2.606	11.0	20.9
1 16	4 50.34	+31 34.2	1.807	2.625	14.4	21.2

113818 2002 TR_{216} 12 13.3 8°.86 7°.4/13.5 18

11 7	5 47.45	+ 5 46.1	1.379	2.196	18.6	18.6
11 17	5 43.84	+ 5 29.8	1.315	2.198	15.1	18.3
11 27	5 37.33	+ 5 30.4	1.270	2.200	11.3	18.1
12 7	5 28.74	+ 5 51.5	1.248	2.204	8.2	18.0
12 17	5 19.30	+ 6 34.4	1.251	2.210	7.7	18.0
12 27	5 10.47	+ 7 37.3	1.279	2.216	10.2	18.1
1 6	5 3.52	+ 8 55.7	1.331	2.223	13.8	18.3
1 16	4 59.33	+10 24.3	1.405	2.231	17.3	18.6

344964 2004 XN_{18} 12 13.3 74°.19 0°.5/13.3 18

11 7	5 55.23	+21 10.2	1.621	2.432	16.5	19.6
11 17	5 49.63	+22 1.2	1.553	2.444	12.7	19.3
11 27	5 41.00	+22 55.5	1.507	2.455	8.2	19.1
12 7	5 30.19	+23 49.7	1.487	2.466	3.2	18.8
12 17	5 18.46	+24 40.1	1.496	2.478	1.9	18.8
12 27	5 7.34	+25 24.4	1.534	2.489	6.8	19.1
1 6	4 58.19	+26 2.4	1.599	2.501	11.2	19.4
1 16	4 51.93	+26 35.5	1.687	2.512	14.9	19.7

336544 2009 BF_{63} 12 13.3 141°.49 3°.0/14.1 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
11 7	5 49.43	+34 24.8	2.904	3.681	10.8	20.9
11 17	5 44.09	+34 36.2	2.820	3.685	8.5	20.8
11 27	5 36.89	+34 40.4	2.761	3.689	6.0	20.6
12 7	5 28.44	+34 35.3	2.730	3.693	3.7	20.5
12 17	5 19.50	+34 20.2	2.728	3.697	3.1	20.4
12 27	5 10.96	+33 56.0	2.758	3.701	5.0	20.6
1 6	5 3.62	+33 24.8	2.816	3.705	7.5	20.7
1 16	4 58.06	+32 49.8	2.901	3.708	9.8	20.9

520562 2014 NV_{1} 12 13.3 216°.96 4°.5/12.1 18

11 7	5 50.56	+13 18.8	2.105	2.902	13.7	21.7
11 17	5 45.29	+12 16.6	2.018	2.896	10.8	21.5
11 27	5 37.84	+11 16.7	1.955	2.890	7.6	21.3
12 7	5 28.86	+10 22.5	1.920	2.884	5.0	21.1
12 17	5 19.25	+ 9 37.2	1.914	2.877	4.9	21.1
12 27	5 10.04	+ 9 3.9	1.938	2.870	7.6	21.3
1 6	5 2.20	+ 8 43.8	1.988	2.863	10.8	21.5
1 16	4 56.41	+ 8 37.1	2.063	2.855	13.8	21.6

278238 2007 EJ_{139} 12 13.3 152°.17 0°.3/13.3 18

11 7	5 54.94	+23 21.9	1.935	2.736	14.6	21.5
11 17	5 48.93	+23 32.6	1.858	2.743	11.2	21.3
11 27	5 40.31	+23 42.1	1.805	2.750	7.2	21.1
12 7	5 29.87	+23 48.8	1.778	2.757	2.9	20.8
12 17	5 18.68	+23 51.8	1.781	2.763	1.7	20.8
12 27	5 8.05	+23 51.5	1.814	2.768	6.1	21.1
1 6	4 59.12	+23 49.5	1.874	2.773	10.1	21.3
1 16	4 52.68	+23 47.9	1.960	2.777	13.5	21.6

350885 2002 QV_{105} 12 13.3 205°.45 1°.6/13.5 18

11 7	5 53.21	+26 58.8	2.093	2.891	13.7	21.3
11 17	5 47.64	+27 19.0	2.005	2.888	10.6	21.1
11 27	5 39.54	+27 35.9	1.941	2.884	7.0	20.9
12 7	5 29.59	+27 47.2	1.903	2.880	3.2	20.6
12 17	5 18.82	+27 51.2	1.895	2.876	2.2	20.5
12 27	5 8.45	+27 48.2	1.918	2.871	5.9	20.8
1 6	4 59.63	+27 40.1	1.968	2.866	9.7	21.0
1 16	4 53.17	+27 29.6	2.043	2.860	13.0	21.2

385436 2003 FQ_{133} 12 13.3 234°.11 1°.1/13.2 18

11 7	5 53.04	+20 33.6	1.898	2.703	14.7	22.2
11 17	5 47.69	+20 28.8	1.805	2.693	11.4	21.9
11 27	5 39.67	+20 24.2	1.735	2.682	7.4	21.7
12 7	5 29.69	+20 19.7	1.692	2.671	3.1	21.4
12 17	5 18.77	+20 15.2	1.678	2.659	2.1	21.3
12 27	5 8.23	+20 11.5	1.693	2.647	6.5	21.6
1 6	4 59.25	+20 10.0	1.736	2.634	10.7	21.8
1 16	4 52.73	+20 12.3	1.803	2.621	14.4	22.0

282655 2005 US_{166} 12 13.3 270°.84 2°.8/12.8 18

11 7	5 51.76	+18 29.6	1.626	2.442	16.2	21.1
11 17	5 47.05	+17 51.3	1.537	2.429	12.6	20.8
11 27	5 39.42	+17 12.7	1.469	2.416	8.4	20.5
12 7	5 29.62	+16 35.8	1.427	2.403	4.1	20.2
12 17	5 18.81	+16 2.7	1.413	2.390	3.6	20.2
12 27	5 8.45	+15 36.5	1.426	2.377	7.9	20.4
1 6	4 59.85	+15 19.5	1.466	2.363	12.4	20.6
1 16	4 53.98	+15 13.1	1.527	2.350	16.4	20.9

301385 2009 DR_{11} 12 13.3 289°.63 1°.1/13.5 18

11 7	5 51.89	+25 52.3	1.780	2.590	15.3	21.1
11 17	5 46.98	+25 58.7	1.697	2.587	11.8	20.8
11 27	5 39.27	+26 1.5	1.636	2.584	7.7	20.6
12 7	5 29.53	+25 59.0	1.602	2.580	3.3	20.3
12 17	5 18.90	+25 50.3	1.595	2.577	2.0	20.2
12 27	5 8.78	+25 36.4	1.617	2.573	6.5	20.5
1 6	5 0.43	+25 19.9	1.666	2.570	10.7	20.7
1 16	4 54.73	+25 3.8	1.739	2.567	14.4	21.0

178937 2001 QD_{82} 12 13.3 97°.00 5°.0/14.7 18

11 7	5 58.79	+39 13.2	2.200	2.964	14.2	20.3
11 17	5 51.65	+39 28.9	2.138	2.989	11.4	20.1
11 27	5 41.87	+39 31.5	2.099	3.014	8.4	20.0
12 7	5 30.40	+39 17.5	2.087	3.038	5.8	19.9
12 17	5 18.49	+38 45.7	2.104	3.062	5.1	19.9
12 27	5 7.48	+37 58.2	2.150	3.085	6.8	20.0
1 6	4 58.46	+37 0.2	2.225	3.107	9.5	20.2
1 16	4 52.10	+35 57.5	2.325	3.129	12.1	20.4

522978 2016 PA_{118} 12 13.3 294°.06 5°.5/12.9 18

11 7	5 51.40	+11 30.8	1.428	2.246	18.0	20.9
11 17	5 47.01	+11 2.9	1.350	2.239	14.3	20.6
11 27	5 39.50	+10 44.1	1.293	2.233	10.1	20.4
12 7	5 29.69	+10 37.6	1.259	2.226	6.4	20.1
12 17	5 18.81	+10 45.5	1.251	2.219	5.9	20.1
12 27	5 8.43	+11 8.5	1.269	2.213	9.4	20.3
1 6	4 59.98	+11 45.4	1.312	2.207	13.8	20.5
1 16	4 54.44	+12 33.8	1.376	2.201	17.7	20.7

276176 2002 PA_{107} 12 13.3 335°.76 0°.6/13.2 17

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
11 7	5 48.60	+23 2.1	2.284	3.087	12.6	20.4
11 17	5 43.73	+22 34.9	2.200	3.087	9.6	20.2
11 27	5 36.80	+22 4.8	2.139	3.086	6.2	20.0
12 7	5 28.46	+21 32.3	2.106	3.085	2.5	19.7
12 17	5 19.58	+20 58.7	2.103	3.085	1.6	19.7
12 27	5 11.14	+20 25.9	2.130	3.084	5.4	19.9
1 6	5 4.01	+19 56.1	2.186	3.084	8.9	20.1
1 16	4 58.84	+19 31.3	2.267	3.083	11.9	20.3

187952 2001 OL_2 12 13.3 99°.94 8°.3/12.4 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 53.35	+ 3 47.8	1.705	2.490	16.9	20.5
11 17	5 47.51	+ 2 39.5	1.653	2.511	13.8	20.4
11 27	5 39.24	+ 1 45.0	1.622	2.532	10.8	20.2
12 7	5 29.40	+ 1 9.2	1.616	2.552	8.7	20.2
12 17	5 19.08	+ 0 55.7	1.637	2.572	8.6	20.2
12 27	5 9.51	+ 1 5.0	1.685	2.591	10.5	20.4
1 6	5 1.69	+ 1 35.0	1.758	2.610	13.1	20.6
1 16	4 56.29	+ 2 21.5	1.852	2.629	15.7	20.8

484155 2006 UT_{26} 12 13.3 175°.07 4°.0/13.7 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 54.53	+33 14.8	2.143	2.929	13.8	21.7
11 17	5 48.77	+33 56.9	2.060	2.930	11.0	21.5
11 27	5 40.33	+34 32.1	2.000	2.931	7.8	21.3
12 7	5 29.95	+34 56.4	1.968	2.932	4.8	21.1
12 17	5 18.69	+35 6.9	1.964	2.932	4.2	21.1
12 27	5 7.90	+35 3.2	1.990	2.933	6.6	21.2
1 6	4 58.76	+34 48.1	2.044	2.933	9.8	21.4
1 16	4 52.14	+34 25.8	2.122	2.932	12.8	21.6

388604 2007 RO_{243} 12 13.3 75°.74 7°.8/14.1 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	6 1.39	+40 27.0	1.739	2.513	17.0	20.6
11 17	5 54.78	+41 50.6	1.684	2.535	14.0	20.4
11 27	5 44.52	+43 0.3	1.651	2.558	10.8	20.3
12 7	5 31.64	+43 48.2	1.642	2.580	8.4	20.2
12 17	5 17.76	+44 8.9	1.661	2.602	7.9	20.2
12 27	5 4.83	+44 2.5	1.706	2.624	9.5	20.4
1 6	4 54.45	+43 34.6	1.777	2.646	12.2	20.6
1 16	4 47.61	+42 53.2	1.871	2.668	14.8	20.8

187161 2005 RS_{22} 12 13.3 108°.45 3°.2/13.6 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 57.69	+29 26.3	1.628	2.432	16.8	20.3
11 17	5 51.65	+30 6.0	1.561	2.445	13.1	20.1
11 27	5 42.36	+30 40.1	1.516	2.458	8.8	19.9
12 7	5 30.76	+31 4.1	1.497	2.470	4.6	19.6
12 17	5 18.28	+31 14.9	1.506	2.482	3.6	19.6
12 27	5 6.57	+31 12.4	1.543	2.494	7.3	19.9
1 6	4 57.07	+31 0.3	1.607	2.506	11.4	20.1
1 16	4 50.70	+30 43.2	1.694	2.517	15.0	20.4

441155 2007 TZ_{226} 12 13.3 103°.27 6°.8/13.9 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 59.77	+39 20.3	1.930	2.702	15.6	21.2
11 17	5 53.25	+40 33.7	1.865	2.717	12.8	21.1
11 27	5 43.43	+41 35.6	1.821	2.731	9.8	20.9
12 7	5 31.21	+42 18.9	1.804	2.746	7.4	20.8
12 17	5 18.00	+42 39.0	1.814	2.760	6.9	20.8
12 27	5 5.49	+42 35.5	1.852	2.774	8.7	20.9
1 6	4 55.19	+42 12.7	1.916	2.787	11.3	21.1
1 16	4 48.05	+41 37.3	2.004	2.800	14.0	21.3

517548 2014 SM_{312} 12 13.3 116°.39 3°.2/12.8 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 48.39	+13 37.2	2.433	3.226	12.2	21.3
11 17	5 43.29	+13 12.7	2.360	3.238	9.4	21.1
11 27	5 36.38	+12 52.3	2.312	3.249	6.5	21.0
12 7	5 28.28	+12 37.5	2.291	3.259	3.8	20.8
12 17	5 19.74	+12 29.3	2.300	3.270	3.5	20.8
12 27	5 11.61	+12 28.6	2.340	3.280	5.9	21.0
1 6	5 4.67	+12 35.5	2.407	3.290	8.8	21.2
1 16	4 59.48	+12 49.7	2.500	3.300	11.4	21.4

191459 2003 SL_{254} 12 13.3 55°.33 1°.1/13.6 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 49.88	+27 45.9	2.182	2.982	13.1	19.7
11 17	5 44.84	+27 34.6	2.104	2.988	10.1	19.5
11 27	5 37.56	+27 17.8	2.049	2.994	6.6	19.3
12 7	5 28.78	+26 54.7	2.022	2.999	2.9	19.1
12 17	5 19.45	+26 25.6	2.024	3.005	1.8	19.0
12 27	5 10.65	+25 52.3	2.056	3.011	5.4	19.3
1 6	5 3.32	+25 17.6	2.116	3.017	8.9	19.5
1 16	4 58.15	+24 44.6	2.202	3.023	12.0	19.7

356750 2011 UY_{237} 12 13.3 104°.20 0°.2/13.4 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 52.26	+24 6.1	1.916	2.721	14.5	21.1
11 17	5 46.87	+24 1.4	1.842	2.730	11.1	20.9
11 27	5 38.97	+23 54.0	1.792	2.739	7.2	20.7
12 7	5 29.36	+23 43.2	1.769	2.748	2.8	20.4
12 17	5 19.11	+23 29.0	1.775	2.757	1.6	20.4
12 27	5 9.46	+23 12.7	1.810	2.765	6.0	20.7
1 6	5 1.49	+22 56.6	1.872	2.774	9.9	20.9
1 16	4 55.92	+22 43.1	1.960	2.782	13.3	21.2

31134 Zurria 12 13.3 257°.11 1°.3/13.4 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
11 7	5 53.84	+25 36.9	1.732	2.540	15.7	19.5
11 17	5 48.75	+25 54.9	1.640	2.529	12.2	19.2
11 27	5 40.61	+26 10.7	1.571	2.517	8.0	18.9
12 7	5 30.17	+26 21.6	1.527	2.505	3.5	18.6
12 17	5 18.59	+26 25.7	1.511	2.492	2.2	18.5
12 27	5 7.40	+26 23.2	1.524	2.480	6.9	18.8
1 6	4 58.01	+26 16.0	1.564	2.467	11.4	19.0
1 16	4 51.44	+26 7.5	1.627	2.454	15.3	19.3

127396 2002 LQ_{17} 12 13.3 157°.43 0°.5/13.2 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 49.09	+21 34.3	2.796	3.587	10.8	21.1
11 17	5 43.72	+21 32.7	2.713	3.594	8.3	20.9
11 27	5 36.64	+21 30.6	2.655	3.600	5.3	20.7
12 7	5 28.39	+21 27.7	2.626	3.605	2.1	20.5
12 17	5 19.69	+21 24.1	2.629	3.610	1.3	20.5
12 27	5 11.33	+21 20.3	2.662	3.615	4.5	20.7
1 6	5 4.04	+21 17.3	2.725	3.619	7.5	20.9
1 16	4 58.38	+21 16.0	2.815	3.623	10.1	21.1

482703 2013 CQ_{184} 12 13.3 245°.48 2°.8/13.2 17

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 51.70	+13 48.7	2.244	3.036	13.1	21.8
11 17	5 46.29	+13 54.7	2.143	3.020	10.3	21.6
11 27	5 38.63	+14 6.7	2.065	3.004	7.0	21.4
12 7	5 29.30	+14 25.2	2.015	2.987	3.8	21.2
12 17	5 19.11	+14 50.1	1.995	2.970	3.2	21.1
12 27	5 9.12	+15 21.0	2.006	2.952	6.3	21.2
1 6	5 0.33	+15 57.2	2.045	2.934	9.9	21.4
1 16	4 53.53	+16 37.8	2.110	2.915	13.1	21.6

24533 Kokhirova 12 13.3 173°.56 4°.2/13.9 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 53.02	+35 19.4	2.413	3.191	12.7	18.0
11 17	5 47.39	+35 59.1	2.329	3.192	10.1	17.8
11 27	5 39.33	+36 31.0	2.269	3.193	7.4	17.6
12 7	5 29.55	+36 51.6	2.236	3.194	4.9	17.5
12 17	5 19.01	+36 58.2	2.232	3.194	4.4	17.5
12 27	5 8.87	+36 51.0	2.257	3.195	6.3	17.6
1 6	5 0.22	+36 32.2	2.311	3.195	9.1	17.8
1 16	4 53.83	+36 6.0	2.390	3.195	11.7	17.9

521935 2015 UN_{90} 12 13.3 128°.24 9°.0/11.7 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 48.55	− 2 55.7	2.281	3.032	14.1	21.5
11 17	5 43.47	− 4 7.3	2.219	3.042	12.1	21.4
11 27	5 36.53	− 5 4.4	2.180	3.052	10.3	21.3
12 7	5 28.36	− 5 42.5	2.165	3.061	9.1	21.2
12 17	5 19.74	− 5 58.2	2.176	3.070	9.1	21.2
12 27	5 11.56	− 5 50.6	2.215	3.079	10.3	21.3
1 6	5 4.59	− 5 21.5	2.277	3.087	12.1	21.5
1 16	4 59.43	− 4 34.4	2.362	3.095	13.9	21.6

262156 2006 SQ_{85} 12 13.3 40°.13 4°.2/13.3 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 52.46	+13 54.6	1.122	1.958	20.7	20.0
11 17	5 48.16	+13 50.6	1.072	1.973	16.1	19.8
11 27	5 40.30	+13 57.0	1.040	1.989	10.8	19.6
12 7	5 29.99	+14 14.9	1.031	2.005	5.7	19.3
12 17	5 18.84	+14 43.8	1.046	2.023	4.8	19.3
12 27	5 8.70	+15 22.4	1.087	2.041	9.2	19.6
1 6	5 1.08	+16 8.5	1.151	2.060	14.0	20.0
1 16	4 56.86	+16 59.6	1.236	2.079	18.2	20.3

405551 2005 JM_{166} 12 13.3 220°.87 4°.2/13.7 17

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 56.09	+34 43.7	2.445	3.217	12.7	21.9
11 17	5 49.86	+35 30.6	2.347	3.207	10.2	21.7
11 27	5 41.05	+36 11.0	2.273	3.197	7.4	21.5
12 7	5 30.30	+36 40.5	2.226	3.185	4.9	21.4
12 17	5 18.58	+36 56.0	2.210	3.173	4.4	21.3
12 27	5 7.12	+36 56.7	2.224	3.160	6.5	21.4
1 6	4 57.11	+36 44.6	2.266	3.147	9.4	21.6
1 16	4 49.43	+36 23.6	2.334	3.133	12.2	21.8

359932 2011 XX_3 12 13.3 86°.05 0°.6/13.5 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 51.71	+25 51.2	1.894	2.701	14.6	21.1
11 17	5 46.56	+25 39.1	1.816	2.705	11.2	20.9
11 27	5 38.85	+25 22.4	1.761	2.708	7.3	20.6
12 7	5 29.36	+25 0.4	1.733	2.711	3.0	20.4
12 17	5 19.19	+24 33.4	1.733	2.715	1.7	20.3
12 27	5 9.60	+24 3.4	1.762	2.718	6.0	20.6
1 6	5 1.71	+23 33.3	1.819	2.721	10.1	20.8
1 16	4 56.27	+23 6.2	1.900	2.725	13.5	21.1

218096 2002 KB_{14} 12 13.3 184°.76 4°.5/12.9 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 54.30	+11 54.8	1.789	2.586	15.7	21.3
11 17	5 48.56	+11 31.3	1.709	2.587	12.4	21.1
11 27	5 40.18	+11 14.9	1.651	2.587	8.7	20.8
12 7	5 29.92	+11 7.6	1.620	2.586	5.4	20.6
12 17	5 18.84	+11 11.0	1.617	2.585	4.9	20.6
12 27	5 8.25	+11 25.7	1.642	2.583	8.0	20.8
1 6	4 59.31	+11 51.1	1.695	2.580	11.8	21.0
1 16	4 52.85	+12 25.9	1.771	2.576	15.2	21.2

270707 2002 QU_{88} 12 13.3 312°.86 4°.7/12.6 17

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
11 7	5 46.72	+ 9 49.5	2.272	3.066	12.9	20.6
11 17	5 42.26	+ 9 18.3	2.189	3.063	10.3	20.4
11 27	5 35.88	+ 8 53.7	2.131	3.060	7.4	20.2
12 7	5 28.16	+ 8 38.2	2.099	3.057	5.1	20.1
12 17	5 19.88	+ 8 33.5	2.095	3.055	4.9	20.0
12 27	5 11.93	+ 8 40.5	2.121	3.052	7.1	20.2
1 6	5 5.16	+ 8 58.8	2.173	3.050	9.9	20.4
1 16	5 0.18	+ 9 27.1	2.250	3.047	12.6	20.5

407118 2009 SE_{317} 12 13.3 31°.77 1°.7/13.2 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 48.90	+18 53.5	1.615	2.437	16.0	20.3
11 17	5 44.55	+18 48.2	1.557	2.453	12.3	20.1
11 27	5 37.58	+18 45.3	1.520	2.470	8.0	19.9
12 7	5 28.85	+18 45.1	1.509	2.487	3.5	19.7
12 17	5 19.52	+18 47.7	1.525	2.505	2.5	19.7
12 27	5 10.89	+18 53.7	1.569	2.524	6.7	20.0
1 6	5 4.07	+19 3.7	1.639	2.543	10.8	20.3
1 16	4 59.77	+19 18.0	1.731	2.563	14.3	20.5

493350 2014 WU_{10} 12 13.3 343°.17 2°.4/12.8 17

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 47.46	+18 0.1	2.143	2.950	13.1	21.6
11 17	5 42.98	+17 23.1	2.059	2.947	10.1	21.4
11 27	5 36.40	+16 46.5	2.000	2.945	6.7	21.2
12 7	5 28.38	+16 12.1	1.968	2.943	3.4	20.9
12 17	5 19.78	+15 41.6	1.965	2.941	3.0	20.9
12 27	5 11.59	+15 17.0	1.991	2.939	6.2	21.1
1 6	5 4.72	+15 0.0	2.044	2.937	9.6	21.3
1 16	4 59.83	+14 51.3	2.122	2.936	12.7	21.5

191871 2004 XP_{81} 12 13.3 273°.04 0°.5/13.2 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 48.98	+23 19.3	2.277	3.080	12.6	19.9
11 17	5 44.10	+22 52.9	2.187	3.074	9.7	19.7
11 27	5 37.12	+22 23.3	2.122	3.068	6.3	19.5
12 7	5 28.67	+21 50.9	2.083	3.062	2.5	19.2
12 17	5 19.62	+21 16.9	2.075	3.056	1.6	19.1
12 27	5 10.97	+20 43.2	2.097	3.051	5.4	19.4
1 6	5 3.63	+20 12.1	2.147	3.045	9.0	19.6
1 16	4 58.27	+19 45.9	2.222	3.039	12.1	19.8

265287 2004 FR_{145} 12 13.3 143°.14 2°.7/13.8 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 58.02	+30 39.8	1.950	2.740	14.9	21.4
11 17	5 51.39	+30 55.2	1.876	2.752	11.6	21.2
11 27	5 41.96	+31 3.3	1.825	2.763	7.8	21.0
12 7	5 30.60	+31 1.1	1.801	2.773	4.1	20.8
12 17	5 18.53	+30 47.0	1.807	2.783	3.1	20.7
12 27	5 7.16	+30 22.5	1.842	2.792	6.4	20.9
1 6	4 57.70	+29 51.0	1.905	2.801	10.1	21.2
1 16	4 50.96	+29 17.4	1.994	2.808	13.4	21.4

71415 2000 AD_{187} 12 13.3 345°.44 5°.8/13.6 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 50.76	+ 7 27.4	1.573	2.378	17.2	18.5
11 17	5 46.24	+ 7 33.4	1.496	2.374	13.8	18.2
11 27	5 38.91	+ 7 54.3	1.439	2.371	10.1	18.0
12 7	5 29.49	+ 8 32.3	1.406	2.368	6.7	17.8
12 17	5 19.12	+ 9 27.2	1.400	2.365	6.1	17.8
12 27	5 9.17	+10 37.0	1.421	2.363	8.9	17.9
1 6	5 0.94	+11 57.6	1.469	2.361	12.7	18.2
1 16	4 55.35	+13 24.9	1.539	2.360	16.4	18.4

186976 2004 RX_{221} 12 13.3 185°.08 1°.7/12.9 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 49.52	+18 47.2	2.741	3.532	11.0	21.1
11 17	5 44.07	+18 18.8	2.653	3.532	8.5	20.9
11 27	5 36.89	+17 50.3	2.589	3.531	5.6	20.8
12 7	5 28.53	+17 22.7	2.555	3.530	2.6	20.6
12 17	5 19.72	+16 56.9	2.551	3.529	2.2	20.5
12 27	5 11.24	+16 34.6	2.579	3.526	5.0	20.7
1 6	5 3.84	+16 16.9	2.636	3.524	8.0	20.9
1 16	4 58.07	+16 4.9	2.720	3.521	10.6	21.1

356817 2011 UJ_{383} 12 13.3 65°.43 2°.6/13.8 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 53.17	+30 21.5	1.795	2.599	15.4	21.1
11 17	5 47.95	+30 29.8	1.720	2.604	12.0	20.9
11 27	5 39.87	+30 30.6	1.668	2.610	8.1	20.7
12 7	5 29.82	+30 21.3	1.641	2.615	4.1	20.4
12 17	5 19.00	+30 0.9	1.643	2.621	3.0	20.4
12 27	5 8.85	+29 31.0	1.673	2.627	6.6	20.6
1 6	5 0.60	+28 55.5	1.730	2.632	10.5	20.9
1 16	4 55.09	+28 18.9	1.811	2.638	14.0	21.1

140338 2001 TX_{4} 12 13.3 320°.16 8°.9/12.1 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 47.24	+ 2 1.9	1.768	2.557	16.2	19.4
11 17	5 43.22	+ 1 1.5	1.689	2.548	13.6	19.2
11 27	5 36.79	+ 0 14.7	1.632	2.538	11.0	19.0
12 7	5 28.62	− 0 13.0	1.598	2.529	9.2	18.8
12 17	5 19.66	− 0 17.4	1.590	2.520	9.2	18.8
12 27	5 11.08	+ 0 2.9	1.607	2.512	11.0	18.9
1 6	5 3.95	+ 0 46.0	1.649	2.504	13.7	19.1
1 16	4 59.06	+ 1 48.0	1.711	2.496	16.5	19.2

50009 2000 AQ_{26} 12 13.3 122°.10 2°.4/13.8 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
11 7	5 57.87	+30 27.9	1.686	2.486	16.4	19.3
11 17	5 51.57	+30 24.0	1.616	2.498	12.8	19.1
11 27	5 42.18	+30 11.2	1.569	2.510	8.6	18.9
12 7	5 30.70	+29 46.9	1.547	2.522	4.2	18.6
12 17	5 18.52	+29 10.8	1.554	2.533	2.9	18.6
12 27	5 7.22	+28 25.7	1.589	2.543	6.8	18.8
1 6	4 58.11	+27 36.7	1.652	2.553	11.0	19.1
1 16	4 51.99	+26 49.1	1.739	2.563	14.6	19.4

108523 2001 LT 12 13.3 311°.01 4°.6/13.1 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 49.26	+11 56.4	1.655	2.467	16.1	19.9
11 17	5 45.08	+11 41.5	1.568	2.455	12.8	19.7
11 27	5 38.17	+11 35.0	1.503	2.443	9.0	19.4
12 7	5 29.22	+11 39.0	1.463	2.432	5.5	19.2
12 17	5 19.29	+11 54.8	1.450	2.420	5.0	19.1
12 27	5 9.72	+12 22.7	1.464	2.409	8.3	19.3
1 6	5 1.74	+13 1.6	1.504	2.399	12.3	19.5
1 16	4 56.29	+13 49.5	1.566	2.388	16.1	19.7

285855 2001 FO_{196} 12 13.3 161°.76 2°.6/12.9 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 51.08	+14 39.8	2.645	3.429	11.5	22.7
11 17	5 45.25	+14 23.0	2.564	3.437	8.9	22.5
11 27	5 37.64	+14 9.5	2.508	3.445	6.0	22.4
12 7	5 28.84	+14 0.0	2.481	3.451	3.3	22.2
12 17	5 19.58	+13 55.4	2.484	3.457	3.0	22.2
12 27	5 10.69	+13 56.4	2.519	3.462	5.5	22.3
1 6	5 2.91	+14 3.1	2.584	3.466	8.3	22.5
1 16	4 56.84	+14 15.6	2.674	3.469	10.9	22.7

518443 2004 HU_{13} 12 13.3 204°.27 1°.0/13.5 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 52.17	+25 10.3	2.214	3.011	13.1	22.0
11 17	5 46.73	+25 28.8	2.126	3.008	10.1	21.8
11 27	5 38.94	+25 45.4	2.061	3.005	6.6	21.6
12 7	5 29.46	+25 58.3	2.024	3.001	2.8	21.3
12 17	5 19.22	+26 6.2	2.016	2.997	1.7	21.2
12 27	5 9.34	+26 9.2	2.039	2.993	5.5	21.5
1 6	5 0.87	+26 8.5	2.091	2.989	9.2	21.7
1 16	4 54.57	+26 6.4	2.167	2.984	12.4	21.9

259838 2004 CC_{42} 12 13.3 289°.27 1°.2/13.3 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 52.43	+20 8.4	1.450	2.273	17.5	20.8
11 17	5 48.13	+20 11.0	1.361	2.258	13.6	20.5
11 27	5 40.49	+20 15.8	1.293	2.243	9.0	20.2
12 7	5 30.26	+20 22.3	1.249	2.229	3.7	19.9
12 17	5 18.71	+20 29.6	1.232	2.214	2.5	19.7
12 27	5 7.53	+20 38.3	1.242	2.199	7.9	20.0
1 6	4 58.33	+20 49.2	1.277	2.185	13.0	20.3
1 16	4 52.24	+21 3.8	1.334	2.170	17.5	20.5

213294 2001 QA_{162} 12 13.3 134°.48 2°.4/13.7 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 53.52	+29 43.2	2.105	2.899	13.8	20.8
11 17	5 47.84	+30 2.7	2.027	2.906	10.7	20.6
11 27	5 39.66	+30 16.5	1.973	2.912	7.2	20.4
12 7	5 29.73	+30 22.1	1.946	2.919	3.7	20.2
12 17	5 19.10	+30 18.0	1.948	2.925	2.8	20.2
12 27	5 9.00	+30 4.8	1.980	2.931	5.9	20.4
1 6	5 0.54	+29 45.2	2.040	2.937	9.4	20.6
1 16	4 54.46	+29 22.8	2.124	2.942	12.6	20.8

450945 2008 FM_{132} 12 13.3 322°.10 2°.5/13.0 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 49.02	+17 3.1	1.889	2.700	14.5	21.6
11 17	5 44.50	+16 44.9	1.807	2.696	11.2	21.3
11 27	5 37.58	+16 29.4	1.747	2.692	7.5	21.1
12 7	5 28.93	+16 17.7	1.713	2.688	3.7	20.9
12 17	5 19.54	+16 10.8	1.707	2.685	3.1	20.8
12 27	5 10.57	+16 9.7	1.731	2.681	6.7	21.0
1 6	5 3.08	+16 15.3	1.781	2.678	10.6	21.3
1 16	4 57.87	+16 27.6	1.854	2.675	14.0	21.5

398440 2011 UZ_{38} 12 13.3 95°.32 0°.3/13.3 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 51.91	+22 17.2	1.871	2.679	14.7	21.0
11 17	5 46.72	+22 21.5	1.796	2.685	11.3	20.8
11 27	5 38.98	+22 25.3	1.745	2.692	7.3	20.6
12 7	5 29.47	+22 27.6	1.720	2.699	2.9	20.3
12 17	5 19.25	+22 28.0	1.723	2.705	1.7	20.3
12 27	5 9.57	+22 27.1	1.756	2.712	6.1	20.6
1 6	5 1.56	+22 26.4	1.817	2.718	10.1	20.8
1 16	4 55.97	+22 27.4	1.901	2.725	13.6	21.1

322995 2002 OC_{29} 12 13.3 191°.56 1°.7/12.9 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 47.94	+17 49.6	2.984	3.773	10.3	22.1
11 17	5 42.77	+17 27.9	2.893	3.772	7.9	21.9
11 27	5 36.03	+17 7.0	2.828	3.769	5.2	21.8
12 7	5 28.22	+16 47.5	2.792	3.766	2.5	21.6
12 17	5 19.97	+16 30.4	2.787	3.763	2.1	21.6
12 27	5 12.01	+16 16.6	2.813	3.760	4.7	21.7
1 6	5 5.00	+16 7.1	2.869	3.755	7.4	21.9
1 16	4 59.45	+16 2.6	2.951	3.751	9.9	22.1

447623 2006 UE_{216} 12 13.3 26°.23 2°.4/13.6 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
11 7	5 51.74	+28 15.3	1.663	2.477	16.0	20.8
11 17	5 47.09	+28 41.4	1.592	2.482	12.4	20.6
11 27	5 39.46	+29 2.8	1.542	2.487	8.3	20.4
12 7	5 29.72	+29 16.3	1.517	2.492	4.0	20.2
12 17	5 19.10	+29 19.9	1.519	2.498	2.9	20.1
12 27	5 9.12	+29 13.9	1.550	2.505	6.8	20.4
1 6	5 1.08	+29 1.2	1.607	2.512	11.0	20.6
1 16	4 55.87	+28 45.6	1.687	2.519	14.6	20.9

474373 2002 RB_{235} 12 13.4 138°.60 2°.0/13.7 16

11 7	5 57.16	+28 36.4	1.679	2.482	16.4	22.3
11 17	5 51.12	+28 43.0	1.606	2.491	12.7	22.1
11 27	5 41.98	+28 43.1	1.556	2.499	8.4	21.8
12 7	5 30.69	+28 34.0	1.530	2.506	3.9	21.6
12 17	5 18.57	+28 14.6	1.534	2.514	2.6	21.5
12 27	5 7.22	+27 46.7	1.566	2.520	6.8	21.8
1 6	4 57.98	+27 14.3	1.625	2.527	11.1	22.1
1 16	4 51.71	+26 42.1	1.708	2.532	14.8	22.3

210339 2007 TD_{382} 12 13.4 205°.79 2°.8/13.6 18

11 7	5 55.07	+29 38.2	2.193	2.982	13.5	21.0
11 17	5 49.15	+30 17.6	2.102	2.977	10.6	20.8
11 27	5 40.64	+30 53.1	2.035	2.972	7.2	20.5
12 7	5 30.19	+31 21.1	1.996	2.967	3.9	20.3
12 17	5 18.83	+31 38.8	1.986	2.961	3.1	20.3
12 27	5 7.81	+31 45.5	2.007	2.955	6.1	20.4
1 6	4 58.30	+31 43.2	2.056	2.948	9.6	20.6
1 16	4 51.19	+31 34.9	2.130	2.941	12.8	20.8

137446 1999 TW_{252} 12 13.4 43°.76 2°.0/13.2 18

11 7	5 52.90	+19 17.0	1.264	2.096	19.1	19.7
11 17	5 48.41	+19 7.9	1.203	2.104	14.7	19.4
11 27	5 40.50	+19 1.2	1.162	2.113	9.6	19.2
12 7	5 30.16	+18 57.3	1.143	2.122	4.2	18.9
12 17	5 18.91	+18 56.5	1.151	2.132	3.0	18.9
12 27	5 8.51	+18 59.6	1.185	2.142	8.2	19.2
1 6	5 0.47	+19 7.8	1.243	2.152	13.1	19.5
1 16	4 55.70	+19 21.8	1.322	2.163	17.4	19.8

96586 1998 WE_{14} 12 13.4 49°.15 0°.5/13.4 18

11 7	5 50.27	+24 9.8	1.943	2.751	14.2	19.4
11 17	5 45.32	+24 20.3	1.878	2.767	10.9	19.3
11 27	5 37.99	+24 28.9	1.836	2.783	7.0	19.1
12 7	5 29.06	+24 34.5	1.821	2.800	2.8	18.8
12 17	5 19.55	+24 36.2	1.835	2.817	1.6	18.8
12 27	5 10.64	+24 34.8	1.877	2.834	5.7	19.1
1 6	5 3.35	+24 31.7	1.948	2.851	9.5	19.3
1 16	4 58.35	+24 28.9	2.043	2.868	12.7	19.6

493903 2015 XU_{266} 12 13.4 164°.51 0°.8/13.5 18

11 7	5 50.90	+25 8.9	2.166	2.967	13.2	21.9
11 17	5 45.74	+25 18.0	2.083	2.968	10.2	21.7
11 27	5 38.28	+25 24.7	2.024	2.969	6.6	21.5
12 7	5 29.20	+25 27.5	1.992	2.970	2.7	21.3
12 17	5 19.44	+25 25.8	1.990	2.971	1.6	21.2
12 27	5 10.11	+25 20.0	2.017	2.972	5.5	21.4
1 6	5 2.21	+25 11.9	2.073	2.973	9.2	21.7
1 16	4 56.48	+25 3.7	2.153	2.973	12.3	21.9

242262 2003 SY_{321} 12 13.4 46°.99 4°.7/12.2 18

11 7	5 50.65	+15 17.2	1.659	2.473	16.0	19.6
11 17	5 45.83	+14 4.0	1.589	2.478	12.5	19.4
11 27	5 38.41	+12 52.6	1.542	2.484	8.6	19.2
12 7	5 29.25	+11 47.2	1.522	2.490	5.3	19.0
12 17	5 19.45	+10 52.1	1.528	2.496	5.2	19.0
12 27	5 10.31	+10 11.1	1.563	2.503	8.4	19.2
1 6	5 2.93	+ 9 46.0	1.624	2.509	12.1	19.5
1 16	4 58.04	+ 9 36.7	1.707	2.516	15.5	19.7

208795 2002 QG_{69} 12 13.4 93°.69 0°.4/13.3 18

11 7	5 53.13	+22 19.0	1.875	2.681	14.8	21.2
11 17	5 47.53	+22 18.9	1.808	2.696	11.3	21.0
11 27	5 39.42	+22 17.9	1.765	2.712	7.3	20.8
12 7	5 29.63	+22 15.3	1.748	2.727	2.9	20.6
12 17	5 19.24	+22 10.9	1.760	2.742	1.7	20.5
12 27	5 9.50	+22 5.5	1.802	2.757	6.0	20.9
1 6	5 1.48	+22 0.8	1.871	2.772	9.9	21.1
1 16	4 55.88	+21 58.6	1.965	2.786	13.3	21.4

27056 Ginoloria 12 13.4 120°.72 3°.7/13.9 18

11 7	5 53.12	+34 17.1	2.486	3.264	12.4	19.0
11 17	5 47.31	+34 53.3	2.410	3.275	9.8	18.8
11 27	5 39.24	+35 22.1	2.358	3.285	7.0	18.7
12 7	5 29.59	+35 40.5	2.334	3.295	4.5	18.5
12 17	5 19.30	+35 46.3	2.339	3.304	3.9	18.5
12 27	5 9.47	+35 39.7	2.374	3.314	5.9	18.6
1 6	5 1.09	+35 23.1	2.437	3.323	8.6	18.8
1 16	4 54.87	+35 0.0	2.526	3.332	11.2	19.0

160986 2002 CX_{113} 12 13.4 185°.93 3°.0/13.1 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
11 7	5 52.43	+14 45.9	2.080	2.876	13.9	20.8
11 17	5 46.86	+14 34.5	1.996	2.876	10.8	20.6
11 27	5 39.00	+14 27.6	1.936	2.875	7.3	20.4
12 7	5 29.52	+14 26.0	1.902	2.874	3.9	20.2
12 17	5 19.33	+14 30.6	1.899	2.873	3.4	20.1
12 27	5 9.54	+14 41.6	1.925	2.871	6.6	20.3
1 6	5 1.16	+14 59.1	1.979	2.868	10.1	20.5
1 16	4 54.92	+15 22.7	2.058	2.865	13.3	20.7

331515 2000 DS_{95} 12 13.4 322°.71 9°.2/12.7 17

11 7	5 46.62	− 2 30.0	2.048	2.812	15.1	20.1
11 17	5 42.46	− 3 12.7	1.967	2.802	13.0	20.0
11 27	5 36.20	− 3 39.2	1.907	2.791	10.9	19.8
12 7	5 28.42	− 3 44.7	1.871	2.782	9.4	19.7
12 17	5 19.96	− 3 26.3	1.860	2.772	9.3	19.7
12 27	5 11.81	− 2 43.6	1.875	2.763	10.7	19.7
1 6	5 4.89	− 1 39.2	1.916	2.754	12.8	19.9
1 16	4 59.93	− 0 17.5	1.978	2.746	15.2	20.0

362337 2010 LO_{37} 12 13.4 54°.24 2°.5/13.0 17

11 7	5 50.00	+17 26.8	1.814	2.626	15.0	21.4
11 17	5 45.24	+17 6.1	1.743	2.633	11.5	21.2
11 27	5 38.02	+16 47.8	1.694	2.640	7.6	21.0
12 7	5 29.13	+16 33.0	1.672	2.647	3.7	20.8
12 17	5 19.59	+16 23.0	1.677	2.655	3.1	20.8
12 27	5 10.61	+16 18.9	1.712	2.663	6.7	21.0
1 6	5 3.24	+16 21.3	1.773	2.671	10.6	21.2
1 16	4 58.21	+16 30.7	1.858	2.679	14.0	21.5

449397 2013 GB_{124} 12 13.4 74°.40 2°.2/13.7 18

11 7	5 52.48	+28 44.8	1.940	2.742	14.5	21.5
11 17	5 47.23	+29 5.1	1.867	2.750	11.2	21.3
11 27	5 39.37	+29 20.4	1.816	2.758	7.5	21.1
12 7	5 29.68	+29 27.9	1.792	2.766	3.7	20.9
12 17	5 19.27	+29 26.4	1.796	2.775	2.7	20.9
12 27	5 9.43	+29 16.3	1.830	2.783	6.1	21.1
1 6	5 1.31	+29 0.2	1.891	2.791	9.9	21.4
1 16	4 55.69	+28 41.7	1.976	2.799	13.1	21.6

110480 2001 TO_{58} 12 13.4 154°.49 2°.0/13.6 18

11 7	5 52.72	+28 28.6	2.139	2.934	13.5	20.4
11 17	5 47.23	+28 45.9	2.057	2.938	10.5	20.2
11 27	5 39.30	+28 58.5	2.000	2.941	7.0	20.0
12 7	5 29.65	+29 4.2	1.969	2.944	3.4	19.7
12 17	5 19.28	+29 1.6	1.968	2.947	2.4	19.7
12 27	5 9.40	+28 51.4	1.997	2.949	5.8	19.9
1 6	5 1.05	+28 35.7	2.053	2.952	9.3	20.1
1 16	4 55.02	+28 17.7	2.135	2.954	12.5	20.3

323038 2002 RH_{22} 12 13.4 68°.55 0°.6/13.3 18

11 7	5 49.70	+21 31.8	2.226	3.028	12.9	20.7
11 17	5 44.53	+21 29.3	2.161	3.047	9.8	20.5
11 27	5 37.33	+21 26.4	2.120	3.066	6.3	20.3
12 7	5 28.79	+21 22.8	2.107	3.086	2.5	20.1
12 17	5 19.81	+21 18.8	2.124	3.105	1.6	20.1
12 27	5 11.36	+21 14.9	2.170	3.125	5.2	20.4
1 6	5 4.29	+21 12.3	2.245	3.144	8.6	20.6
1 16	4 59.22	+21 12.1	2.345	3.163	11.5	20.9

255064 2005 TC_{178} 12 13.4 54°.36 0°.3/13.4 18

11 7	5 50.89	+23 36.1	1.898	2.707	14.5	20.6
11 17	5 45.96	+23 45.9	1.824	2.714	11.1	20.4
11 27	5 38.53	+23 54.4	1.774	2.721	7.2	20.1
12 7	5 29.35	+24 0.4	1.750	2.729	2.9	19.9
12 17	5 19.48	+24 3.0	1.755	2.737	1.6	19.8
12 27	5 10.14	+24 2.7	1.789	2.745	5.9	20.1
1 6	5 2.44	+24 1.1	1.850	2.753	9.9	20.4
1 16	4 57.12	+24 0.0	1.935	2.761	13.3	20.6

332751 2009 TV_{46} 12 13.4 92°.92 0°.5/13.5 18

11 7	5 58.52	+25 21.9	1.609	2.415	16.9	21.0
11 17	5 51.88	+25 13.8	1.554	2.441	12.9	20.9
11 27	5 42.28	+25 1.3	1.520	2.466	8.3	20.6
12 7	5 30.78	+24 43.3	1.512	2.491	3.3	20.4
12 17	5 18.75	+24 19.8	1.533	2.515	1.9	20.4
12 27	5 7.72	+23 53.2	1.583	2.539	6.6	20.7
1 6	4 58.90	+23 27.1	1.661	2.562	10.9	21.0
1 16	4 53.02	+23 4.5	1.762	2.585	14.5	21.3

433398 2013 TL_{18} 12 13.4 56°.44 1°.1/13.5 18

11 7	5 55.47	+26 2.4	1.245	2.074	19.5	21.0
11 17	5 50.51	+26 1.9	1.188	2.087	15.0	20.8
11 27	5 41.89	+25 56.2	1.150	2.101	9.8	20.6
12 7	5 30.75	+25 43.3	1.136	2.115	4.0	20.3
12 17	5 18.74	+25 22.9	1.148	2.130	2.3	20.2
12 27	5 7.80	+24 57.3	1.186	2.144	7.9	20.6
1 6	4 59.48	+24 31.1	1.248	2.159	12.9	20.9
1 16	4 54.65	+24 8.3	1.332	2.174	17.2	21.2

514135 2015 HS_{152} 12 13.4 165°.85 0°.3/13.4 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
11 7	5 55.64	+24 30.1	2.007	2.803	14.3	22.5
11 17	5 49.47	+24 27.4	1.926	2.809	11.0	22.3
11 27	5 40.74	+24 21.7	1.869	2.813	7.1	22.0
12 7	5 30.23	+24 11.8	1.839	2.817	2.9	21.8
12 17	5 19.01	+23 57.6	1.839	2.821	1.6	21.7
12 27	5 8.34	+23 40.3	1.869	2.824	5.9	22.0
1 6	4 59.34	+23 22.2	1.928	2.826	9.9	22.2
1 16	4 52.77	+23 6.0	2.011	2.827	13.3	22.4

511711 2015 CF_{49} 12 13.4 168°.14 3°.5/13.1 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 53.83	+15 29.8	1.453	2.270	17.8	21.5
11 17	5 48.85	+15 13.7	1.380	2.271	13.9	21.3
11 27	5 40.73	+15 3.2	1.327	2.272	9.3	21.0
12 7	5 30.32	+14 59.7	1.298	2.273	4.9	20.8
12 17	5 18.94	+15 4.1	1.297	2.273	4.1	20.7
12 27	5 8.17	+15 17.1	1.323	2.274	8.3	21.0
1 6	4 59.42	+15 38.5	1.374	2.274	12.9	21.2
1 16	4 53.65	+16 7.6	1.447	2.274	16.9	21.5

409039 2003 QM_{117} 12 13.4 77°.23 6°.9/14.9 17

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 56.59	+43 35.3	2.232	2.987	14.3	20.8
11 17	5 50.49	+44 18.2	2.164	3.000	11.9	20.7
11 27	5 41.51	+44 46.9	2.118	3.013	9.4	20.5
12 7	5 30.55	+44 56.4	2.097	3.026	7.5	20.5
12 17	5 18.87	+44 43.8	2.104	3.040	6.9	20.4
12 27	5 7.92	+44 10.1	2.138	3.053	8.1	20.5
1 6	4 58.96	+43 20.0	2.199	3.066	10.3	20.7
1 16	4 52.78	+42 19.7	2.284	3.079	12.6	20.9

447592 2006 UC_{51} 12 13.4 39°.34 6°.6/13.7 17

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 55.94	+36 5.8	1.614	2.412	17.1	21.0
11 17	5 50.81	+37 24.4	1.551	2.423	13.8	20.8
11 27	5 42.17	+38 33.4	1.510	2.435	10.3	20.6
12 7	5 30.94	+39 25.1	1.493	2.448	7.3	20.4
12 17	5 18.61	+39 54.3	1.503	2.461	6.8	20.4
12 27	5 7.02	+40 0.0	1.540	2.474	9.0	20.6
1 6	4 57.77	+39 46.4	1.602	2.488	12.2	20.8
1 16	4 51.88	+39 20.2	1.686	2.502	15.3	21.1

264474 Rogerclark 12 13.4 106°.76 0°.1/13.4 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 49.68	+23 39.9	2.299	3.099	12.6	21.3
11 17	5 44.64	+23 40.6	2.219	3.104	9.6	21.1
11 27	5 37.51	+23 39.5	2.164	3.109	6.2	20.9
12 7	5 28.94	+23 36.0	2.136	3.114	2.5	20.7
12 17	5 19.80	+23 29.9	2.137	3.119	1.4	20.6
12 27	5 11.09	+23 21.9	2.169	3.124	5.2	20.9
1 6	5 3.71	+23 13.6	2.230	3.129	8.6	21.1
1 16	4 58.30	+23 6.5	2.316	3.134	11.6	21.3

384902 2012 TS_{32} 12 13.4 179°.15 1°.9/13.6 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 55.53	+27 31.9	1.836	2.637	15.2	21.2
11 17	5 49.80	+27 50.0	1.754	2.638	11.8	20.9
11 27	5 41.19	+28 3.7	1.695	2.639	7.9	20.7
12 7	5 30.50	+28 10.4	1.663	2.639	3.6	20.5
12 17	5 18.91	+28 8.4	1.659	2.639	2.5	20.4
12 27	5 7.85	+27 58.0	1.684	2.638	6.5	20.6
1 6	4 58.63	+27 42.1	1.737	2.637	10.6	20.9
1 16	4 52.13	+27 24.4	1.814	2.636	14.2	21.1

230743 2003 WM_{30} 12 13.4 315°.33 5°.6/13.2 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 52.98	+35 3.1	2.037	2.826	14.4	19.5
11 17	5 48.26	+36 20.1	1.939	2.807	11.6	19.3
11 27	5 40.52	+37 32.2	1.864	2.789	8.7	19.1
12 7	5 30.38	+38 33.4	1.816	2.771	6.2	18.9
12 17	5 18.89	+39 18.2	1.795	2.753	5.8	18.8
12 27	5 7.52	+39 44.0	1.803	2.736	8.1	18.9
1 6	4 57.74	+39 52.1	1.837	2.719	11.2	19.1
1 16	4 50.69	+39 46.6	1.895	2.702	14.3	19.3

269523 2009 VR_{7} 12 13.4 339°.50 1°.8/12.9 17

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 48.39	+20 40.6	2.010	2.820	13.8	19.6
11 17	5 43.91	+19 58.5	1.925	2.816	10.6	19.3
11 27	5 37.16	+19 14.3	1.864	2.812	6.9	19.1
12 7	5 28.84	+18 29.6	1.830	2.808	3.1	18.9
12 17	5 19.87	+17 46.6	1.825	2.804	2.5	18.8
12 27	5 11.37	+17 7.8	1.849	2.801	6.2	19.1
1 6	5 4.30	+16 35.9	1.901	2.798	10.0	19.3
1 16	4 59.38	+16 12.5	1.976	2.796	13.3	19.5

269483 2009 TB_{44} 12 13.4 198°.74 3°.2/13.1 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 53.58	+14 54.3	1.800	2.602	15.4	21.1
11 17	5 48.15	+14 41.5	1.717	2.600	12.1	20.9
11 27	5 40.07	+14 33.8	1.656	2.597	8.2	20.6
12 7	5 30.06	+14 32.3	1.622	2.594	4.4	20.4
12 17	5 19.20	+14 37.6	1.616	2.591	3.7	20.4
12 27	5 8.78	+14 50.4	1.639	2.587	7.3	20.6
1 6	4 59.98	+15 10.5	1.689	2.582	11.3	20.8
1 16	4 53.66	+15 37.6	1.763	2.577	14.9	21.0

78667 2002 TM_{97} 12 13.4 233°.51 1°.1/13.4 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
11 7	5 54.86	+23 38.7	2.192	2.984	13.4	19.2
11 17	5 49.04	+24 26.5	2.094	2.974	10.3	18.9
11 27	5 40.66	+25 15.7	2.020	2.963	6.8	18.7
12 7	5 30.34	+26 3.5	1.975	2.952	2.9	18.4
12 17	5 19.01	+26 46.8	1.960	2.940	1.9	18.3
12 27	5 7.86	+27 23.7	1.976	2.928	5.8	18.6
1 6	4 58.07	+27 54.3	2.021	2.916	9.6	18.8
1 16	4 50.54	+28 19.9	2.091	2.903	13.0	19.0

38531 1999 UF_{15} 12 13.4 79°.87 4°.6/13.7 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 55.11	+34 23.5	2.135	2.918	14.0	18.1
11 17	5 49.27	+35 22.9	2.066	2.932	11.1	17.9
11 27	5 40.74	+36 14.8	2.020	2.947	8.0	17.7
12 7	5 30.31	+36 54.5	2.002	2.961	5.3	17.6
12 17	5 19.08	+37 18.6	2.012	2.975	4.8	17.6
12 27	5 8.38	+37 26.6	2.051	2.989	6.9	17.8
1 6	4 59.41	+37 21.0	2.118	3.003	9.8	18.0
1 16	4 52.98	+37 6.1	2.210	3.016	12.5	18.2

167111 2003 SU_{77} 12 13.4 177°.39 2°.0/12.9 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 52.67	+18 34.0	2.218	3.013	13.1	21.0
11 17	5 46.90	+18 5.5	2.134	3.016	10.1	20.8
11 27	5 38.97	+17 37.2	2.075	3.017	6.7	20.6
12 7	5 29.55	+17 10.2	2.043	3.018	3.2	20.4
12 17	5 19.53	+16 45.8	2.041	3.019	2.6	20.3
12 27	5 9.95	+16 25.7	2.070	3.018	6.0	20.5
1 6	5 1.75	+16 11.3	2.127	3.017	9.5	20.8
1 16	4 55.61	+16 3.8	2.210	3.016	12.5	21.0

397398 2006 WS_{33} 12 13.4 150°.36 0°.4/13.4 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 51.41	+21 9.1	1.984	2.789	14.1	20.8
11 17	5 46.35	+21 24.6	1.902	2.790	10.8	20.6
11 27	5 38.84	+21 41.2	1.844	2.791	7.0	20.4
12 7	5 29.57	+21 57.9	1.813	2.791	2.8	20.1
12 17	5 19.53	+22 13.5	1.810	2.792	1.6	20.0
12 27	5 9.90	+22 27.8	1.837	2.793	5.9	20.3
1 6	5 1.78	+22 41.5	1.892	2.793	9.8	20.6
1 16	4 55.95	+22 55.7	1.972	2.794	13.2	20.8

399758 2005 JO_{91} 12 13.4 274°.95 8°.1/13.8 17

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 58.66	+42 20.6	1.950	2.715	15.7	21.1
11 17	5 53.14	+43 33.6	1.853	2.696	13.3	20.9
11 27	5 43.97	+44 35.5	1.777	2.676	10.7	20.7
12 7	5 31.86	+45 18.3	1.725	2.656	8.6	20.5
12 17	5 18.14	+45 35.4	1.701	2.636	8.3	20.4
12 27	5 4.69	+45 24.6	1.703	2.616	9.9	20.5
1 6	4 53.32	+44 49.7	1.730	2.595	12.7	20.6
1 16	4 45.34	+43 58.1	1.780	2.575	15.6	20.8

272048 2005 EF_{126} 12 13.4 303°.48 4°.5/13.3 16

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 52.66	+33 0.4	2.188	2.977	13.5	20.6
11 17	5 47.72	+34 6.5	2.087	2.958	10.8	20.4
11 27	5 40.03	+35 8.7	2.009	2.939	7.8	20.2
12 7	5 30.17	+36 2.2	1.959	2.920	5.2	20.0
12 17	5 19.12	+36 42.4	1.937	2.902	4.7	20.0
12 27	5 8.19	+37 7.3	1.945	2.883	7.1	20.1
1 6	4 58.68	+37 17.8	1.980	2.865	10.3	20.2
1 16	4 51.61	+37 17.3	2.039	2.847	13.4	20.4

60146 1999 TF_{316} 12 13.4 164°.08 1°.7/13.6 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 54.73	+27 24.2	2.136	2.929	13.6	20.2
11 17	5 48.78	+27 44.4	2.054	2.934	10.6	20.0
11 27	5 40.35	+28 0.7	1.996	2.938	7.0	19.8
12 7	5 30.15	+28 10.9	1.966	2.942	3.2	19.5
12 17	5 19.22	+28 13.5	1.965	2.945	2.2	19.5
12 27	5 8.75	+28 8.7	1.995	2.947	5.8	19.7
1 6	4 59.86	+27 58.6	2.053	2.950	9.4	19.9
1 16	4 53.32	+27 46.2	2.136	2.951	12.6	20.1

50149 2000 AU_{136} 12 13.4 251°.53 6°.6/12.7 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 49.59	+ 5 24.7	2.027	2.812	14.6	18.6
11 17	5 44.81	+ 4 48.8	1.940	2.803	11.9	18.4
11 27	5 37.79	+ 4 23.5	1.876	2.793	9.1	18.2
12 7	5 29.15	+ 4 12.3	1.837	2.783	7.0	18.1
12 17	5 19.77	+ 4 17.6	1.826	2.773	6.8	18.0
12 27	5 10.69	+ 4 40.4	1.843	2.762	8.9	18.1
1 6	5 2.92	+ 5 19.2	1.886	2.752	11.7	18.3
1 16	4 57.19	+ 6 11.3	1.952	2.741	14.6	18.5

414666 2009 WH_{39} 12 13.4 101°.31 0°.5/13.3 17

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 49.81	+23 33.3	2.331	3.130	12.4	21.3
11 17	5 44.63	+23 6.8	2.253	3.137	9.5	21.1
11 27	5 37.45	+22 37.2	2.199	3.145	6.1	20.9
12 7	5 28.93	+22 5.1	2.173	3.152	2.4	20.6
12 17	5 19.93	+21 31.5	2.177	3.159	1.5	20.6
12 27	5 11.42	+20 58.3	2.212	3.166	5.2	20.9
1 6	5 4.24	+20 27.8	2.275	3.173	8.6	21.1
1 16	4 59.00	+20 1.9	2.364	3.180	11.5	21.3

86670 2000 FN_{15} 12 13.4 189°.09 2°.4/13.1 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
11 7	5 53.95	+16 45.4	1.945	2.743	14.6	20.5
11 17	5 48.25	+16 34.4	1.860	2.743	11.3	20.2
11 27	5 40.05	+16 26.6	1.799	2.742	7.5	20.0
12 7	5 30.05	+16 22.5	1.765	2.740	3.7	19.8
12 17	5 19.27	+16 22.7	1.760	2.737	3.0	19.7
12 27	5 8.92	+16 27.8	1.785	2.734	6.7	19.9
1 6	5 0.12	+16 38.3	1.838	2.731	10.5	20.2
1 16	4 53.66	+16 54.5	1.915	2.726	14.0	20.4

477350 2009 UE_{52} 12 13.4 325°.98 1°.5/13.5 18

11 7	5 51.04	+25 53.0	1.289	2.123	18.7	21.1
11 17	5 47.58	+26 8.1	1.208	2.110	14.6	20.9
11 27	5 40.44	+26 20.0	1.146	2.097	9.7	20.5
12 7	5 30.44	+26 25.9	1.107	2.086	4.2	20.2
12 17	5 19.02	+26 23.7	1.093	2.075	2.6	20.1
12 27	5 8.13	+26 13.9	1.105	2.065	8.2	20.4
1 6	4 59.53	+25 59.7	1.141	2.055	13.6	20.6
1 16	4 54.45	+25 45.4	1.197	2.047	18.2	20.9

233310 2006 BR_{87} 12 13.4 198°.21 1°.3/13.6 18

11 7	5 54.57	+26 46.3	1.993	2.791	14.3	21.3
11 17	5 48.88	+26 55.6	1.906	2.788	11.1	21.1
11 27	5 40.54	+27 0.9	1.842	2.786	7.3	20.9
12 7	5 30.28	+27 0.2	1.805	2.782	3.2	20.6
12 17	5 19.18	+26 52.5	1.798	2.779	2.0	20.5
12 27	5 8.55	+26 38.4	1.820	2.774	6.0	20.8
1 6	4 59.55	+26 20.4	1.870	2.770	10.0	21.0
1 16	4 53.04	+26 1.9	1.945	2.765	13.5	21.2

144559 2004 FK_{10} 12 13.4 139°.57 0°.8/13.3 18

11 7	5 51.63	+20 36.4	2.174	2.973	13.2	20.5
11 17	5 46.20	+20 36.0	2.096	2.981	10.1	20.3
11 27	5 38.58	+20 36.0	2.042	2.987	6.6	20.1
12 7	5 29.44	+20 36.1	2.016	2.994	2.7	19.9
12 17	5 19.69	+20 36.1	2.019	3.000	1.7	19.8
12 27	5 10.39	+20 36.6	2.052	3.006	5.5	20.1
1 6	5 2.50	+20 38.6	2.114	3.012	9.1	20.3
1 16	4 56.71	+20 43.2	2.201	3.017	12.3	20.5

175316 2005 MO_{24} 12 13.4 260°.96 5°.0/13.1 18

11 7	5 49.92	+ 9 1.6	1.999	2.792	14.4	20.3
11 17	5 45.11	+ 8 47.8	1.913	2.786	11.5	20.1
11 27	5 38.02	+ 8 43.4	1.850	2.780	8.4	19.9
12 7	5 29.28	+ 8 50.3	1.813	2.773	5.6	19.8
12 17	5 19.78	+ 9 9.9	1.804	2.767	5.3	19.7
12 27	5 10.61	+ 9 41.9	1.824	2.760	7.7	19.9
1 6	5 2.78	+10 25.0	1.871	2.754	11.0	20.0
1 16	4 57.06	+11 17.0	1.942	2.747	14.1	20.2

398523 2011 UD_{288} 12 13.4 37°.50 0°.4/13.3 18

11 7	5 51.50	+23 41.3	1.714	2.528	15.6	20.2
11 17	5 46.69	+23 20.5	1.639	2.532	12.0	20.0
11 27	5 39.16	+22 56.4	1.587	2.536	7.8	19.8
12 7	5 29.74	+22 29.0	1.560	2.540	3.1	19.5
12 17	5 19.58	+21 59.2	1.562	2.544	1.8	19.4
12 27	5 10.06	+21 29.5	1.592	2.549	6.5	19.7
1 6	5 2.34	+21 2.6	1.649	2.553	10.8	20.0
1 16	4 57.22	+20 41.2	1.729	2.558	14.5	20.2

12631 Mariekebaan 12 13.4 124°.26 4°.1/12.6 18

11 7	5 48.77	+10 15.4	2.589	3.373	11.8	18.7
11 17	5 43.53	+ 9 38.9	2.519	3.387	9.3	18.6
11 27	5 36.62	+ 9 8.0	2.474	3.401	6.7	18.4
12 7	5 28.62	+ 8 44.8	2.456	3.414	4.6	18.3
12 17	5 20.23	+ 8 30.7	2.469	3.427	4.4	18.3
12 27	5 12.24	+ 8 26.8	2.511	3.440	6.3	18.5
1 6	5 5.36	+ 8 33.1	2.582	3.452	8.8	18.6
1 16	5 0.11	+ 8 48.5	2.678	3.464	11.1	18.8

72267 2001 AN_{41} 12 13.4 183°.11 5°.8/14.9 18

11 7	5 58.13	+39 43.2	1.915	2.689	15.7	19.4
11 17	5 52.01	+39 58.0	1.833	2.689	12.8	19.2
11 27	5 42.71	+39 58.2	1.773	2.689	9.6	19.0
12 7	5 31.18	+39 39.1	1.737	2.689	6.7	18.9
12 17	5 18.80	+38 58.4	1.730	2.689	5.9	18.8
12 27	5 7.20	+37 58.3	1.751	2.688	7.8	18.9
1 6	4 57.77	+36 44.7	1.799	2.688	11.0	19.1
1 16	4 51.39	+35 25.4	1.872	2.687	14.1	19.3

390128 2012 VF_{60} 12 13.4 253°.50 1°.7/13.1 18

11 7	5 52.50	+19 59.0	1.839	2.646	15.0	21.3
11 17	5 47.47	+19 37.0	1.745	2.633	11.6	21.0
11 27	5 39.75	+19 14.5	1.674	2.620	7.6	20.8
12 7	5 30.04	+18 52.1	1.629	2.606	3.4	20.5
12 17	5 19.39	+18 31.0	1.612	2.592	2.5	20.4
12 27	5 9.10	+18 12.8	1.625	2.578	6.8	20.6
1 6	5 0.39	+17 59.7	1.665	2.563	11.1	20.8
1 16	4 54.17	+17 53.3	1.728	2.548	14.9	21.0

180939 2005 LE_{51} 12 13.4 117°.16 2°.0/13.2 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
11 7	5 51.86	+16 45.9	2.328	3.121	12.7	20.8
11 17	5 46.11	+16 42.2	2.259	3.138	9.7	20.6
11 27	5 38.38	+16 41.3	2.214	3.156	6.4	20.4
12 7	5 29.34	+16 43.6	2.197	3.172	3.1	20.2
12 17	5 19.84	+16 49.1	2.211	3.188	2.4	20.2
12 27	5 10.81	+16 58.2	2.255	3.204	5.5	20.4
1 6	5 3.10	+17 10.9	2.328	3.219	8.7	20.7
1 16	4 57.31	+17 27.5	2.426	3.233	11.5	20.9

67239 2000 ER_{30} 12 13.4 198°.44 2°.9/13.6 18

11 7	5 56.74	+28 48.7	1.770	2.570	15.8	19.4
11 17	5 51.04	+29 27.5	1.686	2.568	12.3	19.2
11 27	5 42.21	+30 2.3	1.625	2.566	8.4	19.0
12 7	5 31.06	+30 28.9	1.590	2.563	4.3	18.7
12 17	5 18.82	+30 44.0	1.583	2.560	3.3	18.7
12 27	5 7.05	+30 47.1	1.606	2.557	7.0	18.9
1 6	4 57.20	+30 40.6	1.655	2.553	11.2	19.1
1 16	4 50.27	+30 28.6	1.728	2.549	14.8	19.3

382660 2002 TK_{80} 12 13.4 109°.80 1°.9/13.1 16

11 7	5 55.98	+19 54.6	1.631	2.440	16.5	21.5
11 17	5 50.01	+19 29.4	1.567	2.456	12.7	21.3
11 27	5 41.21	+19 4.4	1.525	2.472	8.2	21.1
12 7	5 30.53	+18 40.2	1.510	2.487	3.6	20.8
12 17	5 19.21	+18 18.2	1.522	2.502	2.7	20.8
12 27	5 8.69	+18 0.3	1.564	2.517	7.0	21.1
1 6	5 0.16	+17 48.4	1.632	2.531	11.3	21.4
1 16	4 54.37	+17 43.8	1.724	2.544	14.9	21.6

286780 2002 JH_{83} 12 13.4 245°.56 4°.3/13.7 18

11 7	5 57.60	+31 1.4	1.522	2.329	17.6	20.8
11 17	5 52.38	+31 49.2	1.437	2.321	14.0	20.5
11 27	5 43.47	+32 31.6	1.374	2.313	9.7	20.2
12 7	5 31.68	+33 2.6	1.335	2.305	5.6	20.0
12 17	5 18.46	+33 17.2	1.323	2.297	4.7	19.9
12 27	5 5.73	+33 14.4	1.338	2.288	8.3	20.1
1 6	4 55.27	+32 57.7	1.379	2.279	12.8	20.3
1 16	4 48.29	+32 33.3	1.442	2.270	16.9	20.6

515827 2015 MG_{126} 12 13.4 130°.58 0°.3/13.5 18

11 7	5 55.11	+24 10.5	2.106	2.900	13.8	22.5
11 17	5 48.90	+24 13.0	2.034	2.915	10.5	22.3
11 27	5 40.32	+24 13.1	1.986	2.930	6.8	22.1
12 7	5 30.16	+24 9.7	1.965	2.944	2.7	21.9
12 17	5 19.41	+24 2.4	1.975	2.957	1.5	21.8
12 27	5 9.25	+23 52.1	2.015	2.970	5.6	22.1
1 6	5 0.69	+23 40.8	2.084	2.982	9.2	22.4
1 16	4 54.42	+23 30.7	2.178	2.993	12.4	22.6

159702 2002 RY_{70} 12 13.4 332°.23 0°.6/13.6 18

11 7	5 49.39	+26 24.4	2.238	3.039	12.8	19.7
11 17	5 44.58	+26 8.8	2.151	3.037	9.9	19.5
11 27	5 37.59	+25 48.6	2.089	3.034	6.4	19.3
12 7	5 29.09	+25 23.1	2.054	3.032	2.7	19.1
12 17	5 19.99	+24 53.0	2.048	3.030	1.5	19.0
12 27	5 11.32	+24 19.9	2.073	3.028	5.3	19.2
1 6	5 4.03	+23 46.6	2.125	3.026	8.9	19.4
1 16	4 58.81	+23 15.7	2.203	3.025	12.0	19.6

402775 2007 CH_{3} 12 13.4 14°.24 5°.0/12.9 18

11 7	5 48.59	+10 2.5	1.942	2.743	14.5	21.3
11 17	5 44.08	+ 9 35.5	1.866	2.743	11.6	21.1
11 27	5 37.33	+ 9 16.7	1.812	2.744	8.3	20.9
12 7	5 29.01	+ 9 8.3	1.784	2.746	5.6	20.7
12 17	5 20.04	+ 9 12.2	1.784	2.747	5.3	20.7
12 27	5 11.48	+ 9 28.7	1.812	2.748	7.7	20.8
1 6	5 4.33	+ 9 57.1	1.867	2.750	10.9	21.0
1 16	4 59.28	+10 35.4	1.945	2.752	14.0	21.2

6435 Daveross 12 13.4 285°.15 21°.4/11.6 18 A

11 7	5 52.54	−16 48.2	1.179	1.918	25.4	18.0
11 17	5 48.51	−19 0.3	1.127	1.911	23.7	17.9
11 27	5 40.89	−20 36.2	1.089	1.904	22.3	17.8
12 7	5 30.61	−21 22.1	1.066	1.897	21.5	17.7
12 17	5 19.11	−21 8.1	1.059	1.889	21.5	17.7
12 27	5 8.24	−19 52.3	1.069	1.882	22.4	17.7
1 6	4 59.65	−17 42.2	1.094	1.876	24.0	17.8
1 16	4 54.43	−14 50.8	1.134	1.869	25.9	17.9

268367 2005 TO_{121} 12 13.4 115°.47 0°.6/13.3 18

11 7	5 56.67	+22 16.3	1.792	2.593	15.5	21.7
11 17	5 50.34	+22 7.3	1.727	2.612	11.9	21.5
11 27	5 41.35	+21 56.9	1.685	2.630	7.7	21.3
12 7	5 30.57	+21 44.6	1.669	2.648	3.1	21.0
12 17	5 19.21	+21 30.6	1.683	2.665	1.8	21.0
12 27	5 8.60	+21 16.4	1.727	2.681	6.3	21.3
1 6	4 59.86	+21 4.1	1.798	2.697	10.4	21.6
1 16	4 53.75	+20 55.6	1.894	2.712	13.8	21.8

387020 2012 RZ_{38} 12 13.4 76°.55 0°.9/13.6 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
11 7	5 57.52	+28 0.2	1.528	2.338	17.4	20.4
11 17	5 51.34	+27 28.2	1.471	2.359	13.4	20.2
11 27	5 42.08	+26 47.9	1.434	2.381	8.7	20.0
12 7	5 30.85	+25 58.9	1.424	2.402	3.6	19.7
12 17	5 19.10	+25 3.1	1.441	2.423	2.0	19.7
12 27	5 8.43	+24 4.7	1.487	2.444	6.8	20.0
1 6	5 0.07	+23 9.1	1.560	2.465	11.3	20.3
1 16	4 54.73	+22 20.7	1.657	2.486	15.0	20.6

253437 2003 QV_{106} 12 13.4 154°.14 2°.9/13.7 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 59.47	+29 11.8	1.684	2.482	16.5	21.0
11 17	5 53.13	+29 43.3	1.609	2.490	12.9	20.8
11 27	5 43.52	+30 9.3	1.556	2.496	8.7	20.5
12 7	5 31.56	+30 25.7	1.529	2.503	4.4	20.3
12 17	5 18.62	+30 29.4	1.531	2.508	3.3	20.2
12 27	5 6.37	+30 20.8	1.562	2.513	7.2	20.5
1 6	4 56.26	+30 3.4	1.619	2.518	11.4	20.8
1 16	4 49.26	+29 42.0	1.700	2.521	15.0	21.0

385773 2005 YB_{291} 12 13.4 214°.24 0°.9/13.3 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 53.63	+20 3.4	1.853	2.658	15.0	21.1
11 17	5 48.29	+20 11.5	1.767	2.654	11.6	20.9
11 27	5 40.26	+20 21.4	1.703	2.649	7.6	20.6
12 7	5 30.26	+20 32.3	1.666	2.645	3.1	20.3
12 17	5 19.34	+20 43.5	1.658	2.639	2.0	20.2
12 27	5 8.82	+20 54.9	1.679	2.634	6.4	20.5
1 6	4 59.92	+21 7.2	1.728	2.628	10.7	20.8
1 16	4 53.50	+21 21.6	1.800	2.621	14.3	21.0

471516 2012 DO_{68} 12 13.4 147°.08 2°.1/13.2 16

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 55.82	+19 19.1	1.452	2.268	17.8	22.0
11 17	5 50.42	+18 59.3	1.380	2.273	13.8	21.8
11 27	5 41.80	+18 40.6	1.330	2.278	9.0	21.5
12 7	5 30.88	+18 23.7	1.304	2.282	4.0	21.2
12 17	5 19.03	+18 9.5	1.306	2.285	3.0	21.2
12 27	5 7.89	+17 59.7	1.335	2.289	7.8	21.5
1 6	4 58.90	+17 56.2	1.390	2.292	12.6	21.8
1 16	4 52.98	+18 0.0	1.467	2.295	16.7	22.0

77375 2001 FV_{136} 12 13.4 105°.40 4°.0/13.1 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 48.88	+ 8 48.2	2.643	3.422	11.7	19.4
11 17	5 43.59	+ 8 37.1	2.576	3.440	9.3	19.3
11 27	5 36.66	+ 8 33.2	2.534	3.458	6.7	19.1
12 7	5 28.66	+ 8 37.9	2.519	3.476	4.5	19.0
12 17	5 20.29	+ 8 51.8	2.534	3.494	4.2	19.0
12 27	5 12.30	+ 9 14.6	2.580	3.511	6.0	19.2
1 6	5 5.39	+ 9 45.5	2.654	3.527	8.5	19.3
1 16	5 0.08	+10 23.0	2.754	3.544	10.8	19.5

347487 1995 MC_{7} 12 13.4 151°.32 2°.3/14.0 17

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 55.65	+31 29.4	1.748	2.548	15.9	20.8
11 17	5 49.99	+31 5.6	1.667	2.549	12.5	20.6
11 27	5 41.34	+30 30.6	1.609	2.550	8.4	20.3
12 7	5 30.64	+29 43.0	1.576	2.551	4.1	20.1
12 17	5 19.18	+28 43.4	1.572	2.552	2.7	20.0
12 27	5 8.49	+27 35.4	1.597	2.552	6.6	20.3
1 6	4 59.83	+26 25.1	1.650	2.553	10.9	20.5
1 16	4 54.03	+25 18.4	1.726	2.554	14.6	20.7

147913 2006 TB_{58} 12 13.4 116°.56 0°.9/13.3 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 51.54	+20 54.6	1.977	2.782	14.2	20.4
11 17	5 46.38	+20 48.6	1.900	2.788	10.9	20.2
11 27	5 38.83	+20 42.6	1.847	2.793	7.0	20.0
12 7	5 29.62	+20 36.6	1.820	2.798	2.9	19.7
12 17	5 19.75	+20 30.5	1.822	2.804	1.9	19.7
12 27	5 10.38	+20 25.3	1.854	2.809	5.9	20.0
1 6	5 2.54	+20 22.4	1.914	2.814	9.8	20.2
1 16	4 56.97	+20 22.9	1.998	2.819	13.1	20.4

30657 3258 $T\text{-}_{1}$ 12 13.4 101°.18 0°.2/13.4 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 51.52	+23 14.6	2.019	2.824	13.9	18.8
11 17	5 46.32	+23 9.1	1.944	2.831	10.7	18.6
11 27	5 38.76	+23 1.8	1.892	2.838	6.9	18.4
12 7	5 29.58	+22 52.1	1.867	2.846	2.7	18.1
12 17	5 19.78	+22 40.1	1.871	2.853	1.6	18.0
12 27	5 10.49	+22 26.9	1.905	2.860	5.7	18.3
1 6	5 2.76	+22 14.4	1.966	2.867	9.5	18.6
1 16	4 57.27	+22 4.5	2.052	2.874	12.8	18.8

268771 2006 SR_{327} 12 13.4 352°.05 2°.8/13.2 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 50.65	+18 7.1	1.214	2.051	19.3	20.6
11 17	5 47.09	+17 50.6	1.144	2.048	15.1	20.3
11 27	5 39.99	+17 37.6	1.093	2.045	10.0	20.0
12 7	5 30.27	+17 29.3	1.064	2.042	4.7	19.7
12 17	5 19.38	+17 26.8	1.061	2.040	3.6	19.6
12 27	5 9.16	+17 31.2	1.083	2.040	8.7	19.9
1 6	5 1.24	+17 43.4	1.128	2.039	14.0	20.2
1 16	4 56.65	+18 3.5	1.193	2.040	18.5	20.5

73940 1997 SX_{10} 12 13.4 109°.52 1°.8/13.8 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
11 7	5 51.93	+29 36.1	2.741	3.524	11.2	21.0
11 17	5 46.04	+29 48.1	2.672	3.544	8.7	20.9
11 27	5 38.30	+29 55.2	2.627	3.564	5.8	20.7
12 7	5 29.35	+29 55.7	2.610	3.583	2.9	20.6
12 17	5 19.97	+29 49.1	2.625	3.602	2.1	20.5
12 27	5 11.07	+29 36.0	2.670	3.621	4.6	20.7
1 6	5 3.42	+29 18.4	2.745	3.639	7.4	20.9
1 16	4 57.60	+28 58.7	2.847	3.656	9.9	21.1

145501 2006 BC_{101} 12 13.4 222°.78 3°.4/12.7 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 48.20	+14 0.0	2.346	3.143	12.5	20.2
11 17	5 43.46	+13 25.8	2.261	3.140	9.7	20.0
11 27	5 36.80	+12 55.0	2.200	3.137	6.7	19.8
12 7	5 28.80	+12 29.4	2.166	3.134	4.0	19.6
12 17	5 20.25	+12 10.6	2.161	3.130	3.8	19.6
12 27	5 12.03	+12 0.2	2.186	3.127	6.3	19.8
1 6	5 4.99	+11 58.6	2.240	3.123	9.3	19.9
1 16	4 59.74	+12 5.9	2.317	3.120	12.2	20.1

494613 2017 BL_{132} 12 13.4 50°.89 1°.0/13.4 17

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 51.13	+19 46.2	1.816	2.627	15.0	21.5
11 17	5 46.28	+19 54.5	1.743	2.633	11.5	21.3
11 27	5 38.89	+20 4.9	1.693	2.640	7.5	21.1
12 7	5 29.70	+20 16.7	1.668	2.647	3.1	20.8
12 17	5 19.78	+20 29.3	1.673	2.654	2.0	20.8
12 27	5 10.38	+20 42.6	1.706	2.661	6.3	21.1
1 6	5 2.61	+20 57.1	1.766	2.669	10.3	21.3
1 16	4 57.26	+21 13.7	1.850	2.676	13.8	21.6

42599 1997 UT_{22} 12 13.4 49°.84 3°.1/14.0 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 52.51	+31 55.6	1.974	2.771	14.5	17.9
11 17	5 47.19	+32 14.2	1.914	2.792	11.3	17.7
11 27	5 39.34	+32 25.0	1.877	2.814	7.7	17.6
12 7	5 29.82	+32 25.2	1.866	2.836	4.3	17.4
12 17	5 19.75	+32 13.8	1.884	2.859	3.4	17.4
12 27	5 10.41	+31 52.1	1.931	2.881	6.1	17.6
1 6	5 2.84	+31 23.5	2.005	2.904	9.5	17.9
1 16	4 57.74	+30 51.9	2.104	2.927	12.5	18.1

520660 2014 QY_{336} 12 13.4 123°.77 2°.8/13.9 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 53.20	+31 30.7	2.436	3.220	12.4	22.1
11 17	5 47.39	+31 54.1	2.361	3.232	9.7	21.9
11 27	5 39.37	+32 11.3	2.309	3.243	6.7	21.8
12 7	5 29.84	+32 19.9	2.286	3.255	3.7	21.6
12 17	5 19.73	+32 18.5	2.292	3.265	3.0	21.6
12 27	5 10.10	+32 7.4	2.328	3.276	5.4	21.8
1 6	5 1.90	+31 49.1	2.394	3.286	8.4	22.0
1 16	4 55.81	+31 26.8	2.484	3.296	11.2	22.2

379526 2010 UH_{104} 12 13.4 172°.24 1°.3/13.5 16

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 58.82	+24 56.2	1.754	2.552	15.9	22.4
11 17	5 52.50	+25 26.0	1.673	2.556	12.3	22.2
11 27	5 43.11	+25 54.5	1.616	2.560	8.1	21.9
12 7	5 31.46	+26 18.5	1.584	2.562	3.5	21.7
12 17	5 18.80	+26 35.3	1.582	2.564	2.2	21.6
12 27	5 6.69	+26 44.5	1.610	2.564	6.7	21.9
1 6	4 56.50	+26 47.9	1.665	2.564	11.1	22.1
1 16	4 49.20	+26 48.6	1.745	2.564	14.8	22.4

76652 2000 HF_{35} 12 13.4 342°.11 7°.0/12.1 17

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 46.49	+ 2 45.8	2.357	3.131	13.1	19.1
11 17	5 42.10	+ 1 50.1	2.281	3.130	10.9	18.9
11 27	5 35.90	+ 1 4.8	2.228	3.130	8.7	18.8
12 7	5 28.46	+ 0 33.6	2.201	3.129	7.2	18.7
12 17	5 20.52	+ 0 19.1	2.202	3.129	7.2	18.7
12 27	5 12.91	+ 0 22.7	2.230	3.129	8.7	18.8
1 6	5 6.41	+ 0 43.5	2.284	3.128	10.8	18.9
1 16	5 1.59	+ 1 19.1	2.361	3.128	13.0	19.1

394564 2007 UR_{141} 12 13.4 113°.90 1°.6/13.5 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 55.28	+25 19.4	1.958	2.756	14.5	21.5
11 17	5 49.44	+26 1.7	1.884	2.767	11.2	21.3
11 27	5 40.94	+26 42.9	1.834	2.777	7.3	21.1
12 7	5 30.55	+27 19.6	1.811	2.788	3.3	20.8
12 17	5 19.36	+27 49.3	1.818	2.798	2.2	20.8
12 27	5 8.68	+28 11.0	1.854	2.808	6.1	21.1
1 6	4 59.67	+28 25.8	1.919	2.817	9.9	21.3
1 16	4 53.17	+28 36.0	2.008	2.826	13.2	21.5

260517 2005 EA_{92} 12 13.4 270°.88 0°.2/13.4 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 54.59	+22 2.9	1.471	2.290	17.5	21.1
11 17	5 49.93	+22 16.6	1.382	2.277	13.6	20.8
11 27	5 41.85	+22 31.3	1.314	2.263	9.0	20.5
12 7	5 31.11	+22 45.4	1.270	2.249	3.6	20.1
12 17	5 18.98	+22 57.2	1.253	2.235	2.0	20.0
12 27	5 7.23	+23 6.3	1.264	2.222	7.7	20.3
1 6	4 57.48	+23 14.1	1.300	2.207	12.8	20.5
1 16	4 50.92	+23 23.0	1.358	2.193	17.3	20.8

450398 2005 SC_{141} 12 13.4 37°.79 0°.3/13.5 17

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
11 7	5 50.94	+23 29.7	1.859	2.670	14.7	21.4
11 17	5 46.18	+23 39.8	1.784	2.674	11.3	21.2
11 27	5 38.85	+23 48.7	1.732	2.679	7.3	21.0
12 7	5 29.72	+23 55.3	1.705	2.684	3.0	20.7
12 17	5 19.84	+23 58.5	1.707	2.690	1.6	20.6
12 27	5 10.48	+23 59.0	1.739	2.695	6.0	20.9
1 6	5 2.75	+23 58.1	1.797	2.701	10.1	21.2
1 16	4 57.45	+23 57.8	1.879	2.707	13.5	21.4

480974 2003 WZ_{2} 12 13.4 29°.03 1°.0/13.7 17

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 53.35	+29 31.2	1.358	2.181	18.4	20.2
11 17	5 48.66	+28 38.9	1.296	2.192	14.2	20.0
11 27	5 40.62	+27 34.6	1.255	2.204	9.3	19.7
12 7	5 30.40	+26 18.7	1.238	2.217	3.9	19.5
12 17	5 19.54	+24 54.9	1.248	2.230	2.1	19.4
12 27	5 9.75	+23 29.7	1.286	2.245	7.3	19.7
1 6	5 2.37	+22 10.3	1.349	2.260	12.1	20.1
1 16	4 58.16	+21 2.1	1.434	2.276	16.2	20.3

267295 2001 SF_{177} 12 13.4 116°.46 2°.4/13.2 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 55.69	+16 51.7	1.871	2.669	15.1	21.0
11 17	5 49.46	+16 41.1	1.807	2.689	11.6	20.8
11 27	5 40.76	+16 33.8	1.765	2.708	7.7	20.6
12 7	5 30.41	+16 30.2	1.751	2.726	3.7	20.4
12 17	5 19.50	+16 30.8	1.766	2.744	2.9	20.4
12 27	5 9.26	+16 36.0	1.811	2.761	6.6	20.7
1 6	5 0.73	+16 46.3	1.884	2.777	10.3	21.0
1 16	4 54.61	+17 1.9	1.981	2.793	13.6	21.2

228082 2008 QK_{30} 12 13.4 125°.80 0°.6/13.3 17

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 49.71	+22 34.9	2.385	3.183	12.2	20.6
11 17	5 44.60	+22 13.0	2.304	3.188	9.4	20.5
11 27	5 37.52	+21 49.0	2.248	3.194	6.0	20.3
12 7	5 29.12	+21 23.3	2.220	3.199	2.5	20.0
12 17	5 20.21	+20 56.7	2.222	3.204	1.5	20.0
12 27	5 11.74	+20 30.8	2.255	3.208	5.1	20.2
1 6	5 4.54	+20 7.5	2.316	3.213	8.5	20.4
1 16	4 59.22	+19 48.6	2.403	3.218	11.4	20.6

349658 2008 VR_{33} 12 13.4 134°.23 1°.4/13.3 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 54.25	+19 16.0	1.959	2.758	14.5	21.6
11 17	5 48.41	+19 11.3	1.886	2.770	11.1	21.4
11 27	5 40.14	+19 8.1	1.836	2.781	7.2	21.2
12 7	5 30.20	+19 6.1	1.814	2.791	3.1	20.9
12 17	5 19.62	+19 5.5	1.821	2.801	2.2	20.9
12 27	5 9.60	+19 6.9	1.858	2.811	6.1	21.2
1 6	5 1.18	+19 11.1	1.923	2.819	9.9	21.4
1 16	4 55.09	+19 19.2	2.012	2.828	13.2	21.6

245425 2005 JD_{76} 12 13.4 98°.56 3°.1/12.7 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 52.66	+16 42.2	2.072	2.870	13.9	20.9
11 17	5 46.85	+15 52.9	2.009	2.890	10.7	20.7
11 27	5 38.92	+15 5.3	1.970	2.910	7.1	20.5
12 7	5 29.65	+14 21.5	1.958	2.930	3.9	20.4
12 17	5 19.96	+13 43.8	1.977	2.949	3.5	20.4
12 27	5 10.91	+13 14.4	2.025	2.968	6.5	20.6
1 6	5 3.37	+12 54.7	2.101	2.987	9.8	20.8
1 16	4 57.93	+12 45.0	2.202	3.005	12.7	21.1

210298 2007 TE_{105} 12 13.4 309°.16 2°.7/13.7 17

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 52.74	+28 36.7	1.719	2.528	15.8	20.9
11 17	5 48.12	+29 8.1	1.633	2.520	12.3	20.7
11 27	5 40.45	+29 35.5	1.569	2.512	8.3	20.5
12 7	5 30.48	+29 55.1	1.530	2.504	4.2	20.2
12 17	5 19.41	+30 4.4	1.519	2.497	3.2	20.1
12 27	5 8.77	+30 2.8	1.536	2.490	7.0	20.3
1 6	4 59.98	+29 52.9	1.579	2.483	11.2	20.6
1 16	4 54.03	+29 38.6	1.646	2.476	15.0	20.8

223976 2004 XS_{181} 12 13.4 30°.76 5°.0/14.4 17

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 53.18	+36 58.1	2.046	2.830	14.5	19.6
11 17	5 48.03	+37 28.3	1.969	2.834	11.6	19.4
11 27	5 40.11	+37 48.0	1.914	2.838	8.6	19.3
12 7	5 30.25	+37 53.0	1.885	2.842	5.8	19.1
12 17	5 19.59	+37 41.1	1.884	2.846	5.1	19.1
12 27	5 9.52	+37 12.9	1.911	2.851	7.1	19.2
1 6	5 1.26	+36 32.6	1.965	2.856	10.1	19.4
1 16	4 55.62	+35 45.5	2.044	2.861	13.0	19.6

211205 2002 OD_{19} 12 13.4 5°.75 4°.1/15.2 17

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	6 1.14	+38 53.8	1.721	2.500	17.0	19.4
11 17	5 54.28	+38 1.6	1.636	2.500	13.7	19.1
11 27	5 44.10	+36 48.6	1.573	2.500	9.8	18.9
12 7	5 31.76	+35 12.4	1.536	2.500	5.8	18.7
12 17	5 18.83	+33 14.7	1.528	2.501	4.2	18.6
12 27	5 7.03	+31 2.8	1.550	2.502	7.2	18.8
1 6	4 57.70	+28 47.2	1.602	2.503	11.3	19.0
1 16	4 51.61	+26 38.1	1.679	2.504	15.0	19.3

121260 1999 RR_{96} 12 13.4 148°.91 1°.9/13.1 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
11 7	5 53.45	+18 38.8	2.214	3.007	13.2	20.8
11 17	5 47.51	+18 17.3	2.137	3.018	10.2	20.6
11 27	5 39.42	+17 56.5	2.085	3.027	6.7	20.4
12 7	5 29.88	+17 37.2	2.061	3.036	3.1	20.2
12 17	5 19.81	+17 20.2	2.066	3.045	2.4	20.2
12 27	5 10.23	+17 6.9	2.103	3.052	5.8	20.4
1 6	5 2.06	+16 58.6	2.168	3.059	9.2	20.6
1 16	4 55.96	+16 55.9	2.259	3.066	12.3	20.8

285476 2000 AV_{248} 12 13.4 49°.37 1°.7/13.4 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 53.36	+18 19.4	1.432	2.254	17.8	20.0
11 17	5 48.35	+18 28.3	1.379	2.275	13.6	19.8
11 27	5 40.34	+18 41.4	1.347	2.296	8.8	19.6
12 7	5 30.31	+18 57.7	1.340	2.318	3.8	19.3
12 17	5 19.60	+19 16.5	1.359	2.340	2.6	19.3
12 27	5 9.76	+19 37.3	1.406	2.363	7.2	19.6
1 6	5 2.03	+20 0.2	1.479	2.385	11.6	19.9
1 16	4 57.20	+20 25.4	1.574	2.408	15.4	20.2

340934 2007 EJ_{21} 12 13.4 188°.57 2°.1/13.2 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 53.61	+18 22.9	1.815	2.620	15.2	21.7
11 17	5 48.23	+18 8.1	1.733	2.620	11.8	21.5
11 27	5 40.21	+17 54.9	1.674	2.619	7.8	21.3
12 7	5 30.29	+17 44.1	1.641	2.618	3.6	21.0
12 17	5 19.56	+17 36.3	1.637	2.616	2.8	20.9
12 27	5 9.31	+17 32.6	1.663	2.614	6.8	21.2
1 6	5 0.72	+17 34.1	1.715	2.612	10.9	21.4
1 16	4 54.61	+17 41.5	1.791	2.609	14.5	21.7

243042 2006 WB_{139} 12 13.4 73°.97 3°.7/13.1 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 50.73	+13 40.9	1.861	2.666	14.9	20.4
11 17	5 45.74	+13 18.3	1.795	2.679	11.6	20.2
11 27	5 38.41	+13 1.4	1.752	2.691	8.0	20.0
12 7	5 29.51	+12 51.7	1.735	2.704	4.6	19.9
12 17	5 20.03	+12 50.6	1.746	2.717	4.1	19.9
12 27	5 11.11	+12 58.6	1.785	2.730	7.1	20.1
1 6	5 3.75	+13 15.4	1.852	2.743	10.6	20.3
1 16	4 58.64	+13 40.2	1.942	2.755	13.7	20.5

14260 2000 AF_{119} 12 13.4 10°.17 5°.0/13.1 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 47.91	+ 9 9.4	1.967	2.766	14.4	17.6
11 17	5 43.58	+ 8 52.5	1.892	2.768	11.5	17.4
11 27	5 37.06	+ 8 44.9	1.838	2.769	8.3	17.2
12 7	5 29.00	+ 8 48.8	1.811	2.771	5.6	17.1
12 17	5 20.29	+ 9 5.1	1.811	2.773	5.3	17.0
12 27	5 11.98	+ 9 34.0	1.839	2.776	7.6	17.2
1 6	5 5.02	+10 14.0	1.894	2.779	10.7	17.4
1 16	5 0.13	+11 2.8	1.973	2.782	13.7	17.6

418517 2008 SL_{56} 12 13.4 109°.63 1°.3/13.2 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 49.04	+19 19.9	2.525	3.321	11.7	22.1
11 17	5 43.94	+19 7.3	2.450	3.332	9.0	22.0
11 27	5 37.03	+18 55.4	2.400	3.344	5.8	21.8
12 7	5 28.91	+18 44.5	2.378	3.355	2.6	21.6
12 17	5 20.36	+18 35.2	2.387	3.367	1.9	21.6
12 27	5 12.21	+18 28.2	2.426	3.378	5.0	21.8
1 6	5 5.24	+18 24.4	2.494	3.388	8.1	22.0
1 16	5 0.00	+18 24.6	2.588	3.399	10.8	22.2

474757 2005 QD_{44} 12 13.4 46°.73 1°.3/13.3 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 54.07	+20 37.3	1.214	2.047	19.6	21.1
11 17	5 49.36	+20 30.9	1.164	2.066	15.0	20.8
11 27	5 41.18	+20 25.8	1.134	2.086	9.7	20.6
12 7	5 30.67	+20 21.6	1.127	2.106	4.0	20.3
12 17	5 19.43	+20 18.4	1.146	2.127	2.5	20.3
12 27	5 9.25	+20 17.3	1.191	2.149	7.9	20.7
1 6	5 1.56	+20 20.0	1.260	2.171	12.8	21.0
1 16	4 57.17	+20 27.5	1.350	2.193	16.9	21.4

420113 2011 FS_{15} 12 13.4 307°.30 4°.0/13.9 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 51.68	+33 57.3	2.285	3.071	13.1	20.8
11 17	5 46.69	+34 37.7	2.196	3.066	10.4	20.6
11 27	5 39.21	+35 11.3	2.131	3.060	7.5	20.4
12 7	5 29.91	+35 34.6	2.092	3.054	4.8	20.2
12 17	5 19.76	+35 44.8	2.082	3.049	4.2	20.2
12 27	5 9.96	+35 41.6	2.102	3.044	6.4	20.3
1 6	5 1.61	+35 27.2	2.149	3.039	9.4	20.5
1 16	4 55.55	+35 5.4	2.220	3.034	12.2	20.7

486383 2013 EY_{21} 12 13.4 299°.94 7°.1/14.5 17

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 56.30	+40 31.7	1.818	2.597	16.2	21.7
11 17	5 51.16	+41 19.7	1.734	2.589	13.4	21.5
11 27	5 42.57	+41 54.7	1.670	2.582	10.4	21.3
12 7	5 31.36	+42 10.1	1.630	2.574	7.9	21.2
12 17	5 18.95	+42 1.4	1.616	2.566	7.2	21.1
12 27	5 7.12	+41 28.6	1.630	2.559	9.1	21.2
1 6	4 57.49	+40 36.7	1.669	2.552	12.1	21.4
1 16	4 51.11	+39 33.4	1.731	2.545	15.1	21.6

402249 2005 LF_{39} 12 13.4 118°.83 2°.7/13.4 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
11 7	5 52.92	+13 47.4	2.203	2.993	13.4	21.3
11 17	5 47.10	+13 58.1	2.132	3.008	10.4	21.1
11 27	5 39.17	+14 14.7	2.084	3.023	7.0	20.9
12 7	5 29.80	+14 37.3	2.065	3.036	3.7	20.7
12 17	5 19.87	+15 5.4	2.075	3.050	3.0	20.7
12 27	5 10.40	+15 38.2	2.116	3.063	6.0	20.9
1 6	5 2.29	+16 14.8	2.186	3.076	9.2	21.2
1 16	4 56.20	+16 54.4	2.281	3.088	12.2	21.4

88066 2000 VX_{47} 12 13.4 90°.13 0°.9/13.3 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 50.54	+20 43.1	2.076	2.881	13.6	20.1
11 17	5 45.53	+20 37.4	2.000	2.887	10.4	19.9
11 27	5 38.28	+20 31.8	1.948	2.894	6.8	19.7
12 7	5 29.47	+20 26.4	1.922	2.901	2.8	19.4
12 17	5 20.06	+20 21.2	1.926	2.907	1.8	19.4
12 27	5 11.12	+20 17.2	1.960	2.914	5.7	19.6
1 6	5 3.62	+20 15.3	2.021	2.921	9.4	19.9
1 16	4 58.25	+20 16.8	2.107	2.927	12.6	20.1

310600 2001 WK_{77} 12 13.4 36°.02 1°.3/13.3 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 50.34	+21 2.7	1.748	2.564	15.3	21.0
11 17	5 45.75	+20 43.7	1.677	2.570	11.7	20.8
11 27	5 38.58	+20 24.2	1.628	2.577	7.6	20.6
12 7	5 29.63	+20 4.6	1.605	2.584	3.2	20.3
12 17	5 20.00	+19 45.7	1.610	2.592	2.2	20.3
12 27	5 10.97	+19 29.4	1.644	2.599	6.5	20.5
1 6	5 3.64	+19 17.4	1.704	2.607	10.6	20.8
1 16	4 58.76	+19 11.2	1.788	2.616	14.1	21.1

68202 2001 BM_{78} 12 13.4 156°.96 0°.1/13.4 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 50.68	+24 38.5	2.422	3.218	12.2	19.9
11 17	5 45.36	+24 16.1	2.339	3.221	9.3	19.7
11 27	5 38.03	+23 50.1	2.280	3.224	6.0	19.5
12 7	5 29.35	+23 20.6	2.249	3.227	2.4	19.3
12 17	5 20.16	+22 48.2	2.248	3.230	1.3	19.2
12 27	5 11.41	+22 14.9	2.278	3.232	5.0	19.5
1 6	5 3.96	+21 43.0	2.337	3.235	8.4	19.7
1 16	4 58.41	+21 14.7	2.422	3.237	11.3	19.9

55658 6061 P–L 12 13.5 104°.55 1°.3/13.6 18 R

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 57.94	+26 40.6	1.769	2.569	15.8	19.5
11 17	5 51.48	+26 49.8	1.707	2.590	12.1	19.4
11 27	5 42.21	+26 54.5	1.667	2.611	7.9	19.2
12 7	5 31.05	+26 52.5	1.654	2.631	3.4	18.9
12 17	5 19.28	+26 42.9	1.670	2.651	2.1	18.9
12 27	5 8.32	+26 27.0	1.716	2.671	6.3	19.2
1 6	4 59.37	+26 7.8	1.789	2.689	10.3	19.5
1 16	4 53.18	+25 48.8	1.886	2.707	13.8	19.7

97357 2000 AA_{29} 12 13.5 259°.55 1°.1/13.4 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 49.82	+18 31.8	2.322	3.121	12.5	19.2
11 17	5 44.91	+18 47.2	2.231	3.115	9.7	19.0
11 27	5 37.90	+19 5.4	2.164	3.109	6.3	18.8
12 7	5 29.37	+19 26.0	2.125	3.103	2.7	18.6
12 17	5 20.14	+19 48.3	2.116	3.096	1.8	18.5
12 27	5 11.17	+20 11.6	2.137	3.090	5.4	18.7
1 6	5 3.39	+20 36.1	2.186	3.084	8.9	18.9
1 16	4 57.52	+21 1.7	2.261	3.078	11.9	19.1

247994 2004 CO_{128} 12 13.5 126°.79 1°.7/13.1 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 51.32	+20 11.4	1.971	2.777	14.2	20.4
11 17	5 46.23	+19 41.3	1.893	2.780	10.9	20.2
11 27	5 38.77	+19 10.4	1.838	2.784	7.1	20.0
12 7	5 29.70	+18 39.8	1.810	2.787	3.2	19.7
12 17	5 20.00	+18 10.9	1.811	2.790	2.4	19.7
12 27	5 10.81	+17 45.7	1.841	2.794	6.2	19.9
1 6	5 3.14	+17 26.3	1.899	2.797	10.0	20.2
1 16	4 57.72	+17 13.9	1.982	2.800	13.3	20.4

488003 2015 TM_{346} 12 13.5 52°.73 1°.3/13.3 17

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 51.18	+19 26.6	1.777	2.589	15.2	21.7
11 17	5 46.36	+19 28.0	1.707	2.598	11.7	21.4
11 27	5 38.97	+19 31.5	1.659	2.607	7.6	21.2
12 7	5 29.81	+19 36.6	1.638	2.616	3.2	21.0
12 17	5 19.94	+19 43.2	1.644	2.625	2.2	20.9
12 27	5 10.63	+19 51.6	1.680	2.635	6.4	21.2
1 6	5 2.99	+20 2.5	1.742	2.645	10.4	21.5
1 16	4 57.79	+20 16.4	1.828	2.654	13.9	21.7

515849 2015 OU_{36} 12 13.5 52°.32 9°.2/13.2 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 50.25	+ 0 44.9	1.654	2.438	17.4	20.9
11 17	5 45.61	− 0 1.9	1.593	2.447	14.5	20.8
11 27	5 38.46	− 0 31.4	1.552	2.455	11.7	20.6
12 7	5 29.60	− 0 38.6	1.534	2.464	9.6	20.5
12 17	5 20.08	− 0 20.8	1.542	2.473	9.4	20.5
12 27	5 11.13	+ 0 21.7	1.575	2.482	11.0	20.6
1 6	5 3.83	+ 1 25.2	1.633	2.491	13.7	20.8
1 16	4 58.92	+ 2 44.5	1.713	2.501	16.3	21.0

90250 2003 BY_{63} 12 13.5 263°.94 4°.2/12.8 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
11 7	5 49.38	+11 42.7	2.160	2.955	13.4	19.8
11 17	5 44.68	+11 14.5	2.065	2.941	10.7	19.6
11 27	5 37.82	+10 51.9	1.993	2.926	7.6	19.4
12 7	5 29.37	+10 36.9	1.947	2.911	4.9	19.2
12 17	5 20.16	+10 31.4	1.931	2.896	4.6	19.1
12 27	5 11.21	+10 36.4	1.943	2.881	7.2	19.3
1 6	5 3.47	+10 52.1	1.983	2.865	10.4	19.4
1 16	4 57.69	+11 17.7	2.047	2.850	13.5	19.6

269925 2000 NS_{12} 12 13.5 121°.33 6°.0/12.9 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 54.00	+ 6 24.1	2.096	2.872	14.4	21.4
11 17	5 47.83	+ 5 44.9	2.035	2.893	11.6	21.3
11 27	5 39.58	+ 5 15.6	1.997	2.914	8.7	21.1
12 7	5 29.97	+ 4 59.3	1.986	2.934	6.4	21.0
12 17	5 19.91	+ 4 57.6	2.004	2.952	6.2	21.0
12 27	5 10.43	+ 5 11.1	2.051	2.970	8.1	21.2
1 6	5 2.40	+ 5 38.3	2.126	2.988	10.8	21.4
1 16	4 56.44	+ 6 16.9	2.224	3.004	13.3	21.6

153086 2000 RX_{41} 12 13.5 73°.77 5°.5/14.8 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 56.40	+39 6.0	1.994	2.769	15.1	19.7
11 17	5 50.46	+39 27.1	1.926	2.783	12.2	19.6
11 27	5 41.64	+39 34.8	1.880	2.797	9.1	19.4
12 7	5 30.86	+39 25.2	1.859	2.811	6.4	19.3
12 17	5 19.43	+38 56.4	1.866	2.825	5.6	19.3
12 27	5 8.81	+38 10.2	1.902	2.838	7.4	19.4
1 6	5 0.23	+37 12.0	1.964	2.852	10.2	19.6
1 16	4 54.45	+36 8.1	2.052	2.866	13.1	19.8

366550 2002 QE_{142} 12 13.5 17°.80 0°.4/13.4 17

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 49.02	+23 44.6	2.062	2.869	13.6	20.9
11 17	5 44.43	+23 18.1	1.983	2.872	10.4	20.7
11 27	5 37.60	+22 48.2	1.928	2.875	6.7	20.5
12 7	5 29.24	+22 15.4	1.899	2.878	2.7	20.3
12 17	5 20.30	+21 40.9	1.900	2.882	1.6	20.2
12 27	5 11.86	+21 6.9	1.930	2.886	5.6	20.5
1 6	5 4.87	+20 35.8	1.988	2.890	9.4	20.7
1 16	5 0.02	+20 9.9	2.070	2.895	12.6	20.9

47867 2000 FC_{6} 12 13.5 66°.04 0°.4/13.4 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 49.61	+22 22.5	2.233	3.036	12.8	19.0
11 17	5 44.64	+22 18.3	2.164	3.050	9.8	18.8
11 27	5 37.62	+22 13.1	2.118	3.064	6.3	18.6
12 7	5 29.22	+22 6.5	2.099	3.078	2.5	18.4
12 17	5 20.33	+21 58.9	2.110	3.092	1.4	18.4
12 27	5 11.92	+21 50.9	2.151	3.107	5.2	18.7
1 6	5 4.88	+21 43.9	2.221	3.121	8.6	18.9
1 16	4 59.83	+21 39.3	2.315	3.135	11.6	19.1

361797 2008 BA_{54} 12 13.5 247°.43 1°.7/13.2 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 50.61	+19 13.3	1.994	2.800	14.0	21.4
11 17	5 45.78	+18 59.5	1.909	2.797	10.8	21.2
11 27	5 38.58	+18 46.6	1.848	2.794	7.1	21.0
12 7	5 29.68	+18 35.2	1.813	2.790	3.2	20.7
12 17	5 20.06	+18 25.8	1.807	2.787	2.3	20.7
12 27	5 10.84	+18 19.6	1.830	2.783	6.2	20.9
1 6	5 3.07	+18 17.6	1.881	2.780	10.0	21.1
1 16	4 57.51	+18 20.8	1.956	2.776	13.4	21.4

427285 2014 WM_{219} 12 13.5 63°.23 0°.2/13.4 16

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 49.71	+24 16.5	2.247	3.049	12.8	21.0
11 17	5 44.75	+23 52.1	2.170	3.056	9.8	20.8
11 27	5 37.70	+23 24.3	2.117	3.063	6.3	20.6
12 7	5 29.26	+22 53.2	2.092	3.071	2.5	20.4
12 17	5 20.32	+22 20.1	2.096	3.079	1.4	20.3
12 27	5 11.88	+21 46.7	2.131	3.086	5.2	20.6
1 6	5 4.81	+21 15.5	2.194	3.094	8.7	20.9
1 16	4 59.74	+20 48.6	2.282	3.102	11.7	21.1

116801 2004 ES_{63} 12 13.5 338°.84 5°.5/12.8 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 50.96	+12 54.2	1.367	2.191	18.3	20.0
11 17	5 46.91	+12 9.0	1.294	2.187	14.5	19.8
11 27	5 39.72	+11 30.4	1.242	2.184	10.2	19.5
12 7	5 30.24	+11 2.4	1.212	2.181	6.4	19.3
12 17	5 19.75	+10 48.2	1.208	2.178	6.0	19.3
12 27	5 9.85	+10 49.9	1.231	2.175	9.6	19.5
1 6	5 1.94	+11 7.3	1.277	2.173	13.9	19.7
1 16	4 56.98	+11 38.5	1.344	2.172	17.9	20.0

1214 Richilde 12 13.5 109°.91 2°.1/13.9 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 54.74	+30 35.6	2.025	2.818	14.3	15.7
11 17	5 48.88	+30 26.5	1.951	2.829	11.1	15.5
11 27	5 40.48	+30 9.4	1.900	2.840	7.4	15.3
12 7	5 30.39	+29 42.6	1.876	2.850	3.7	15.1
12 17	5 19.72	+29 6.1	1.882	2.861	2.5	15.0
12 27	5 9.72	+28 22.3	1.917	2.871	5.9	15.3
1 6	5 1.48	+27 35.2	1.980	2.881	9.5	15.5
1 16	4 55.70	+26 49.0	2.069	2.890	12.7	15.7

517037 2012 XU_{158} 12 13.5 3°.68 1°.6/13.4 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
11 7	5 55.22	+22 51.0	1.614	2.426	16.5	20.4
11 17	5 50.13	+23 57.9	1.535	2.425	12.8	20.1
11 27	5 41.86	+25 8.7	1.478	2.425	8.4	19.9
12 7	5 31.15	+26 18.7	1.448	2.426	3.6	19.6
12 17	5 19.22	+27 22.8	1.445	2.426	2.4	19.5
12 27	5 7.69	+28 17.7	1.472	2.427	7.1	19.8
1 6	4 58.06	+29 2.8	1.525	2.428	11.6	20.1
1 16	4 51.40	+29 39.6	1.602	2.429	15.5	20.3

14563 1998 AV_{5} 12 13.5 189°.45 2°.1/13.2 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 55.74	+17 46.1	1.879	2.678	15.0	19.0
11 17	5 49.83	+17 37.6	1.794	2.677	11.7	18.8
11 27	5 41.27	+17 31.6	1.732	2.676	7.7	18.6
12 7	5 30.79	+17 28.3	1.697	2.673	3.6	18.3
12 17	5 19.46	+17 28.2	1.692	2.671	2.7	18.3
12 27	5 8.58	+17 31.8	1.716	2.667	6.7	18.5
1 6	4 59.32	+17 39.9	1.768	2.662	10.8	18.7
1 16	4 52.54	+17 53.1	1.844	2.657	14.4	19.0

67261 2000 EO_{127} 12 13.5 15°.05 15°.2/12.9 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 45.91	−15 42.7	1.760	2.475	18.9	18.3
11 17	5 42.24	−17 14.1	1.715	2.481	17.4	18.2
11 27	5 36.26	−18 17.6	1.686	2.488	16.1	18.1
12 7	5 28.74	−18 45.7	1.677	2.496	15.4	18.1
12 17	5 20.63	−18 34.5	1.687	2.505	15.3	18.1
12 27	5 13.07	−17 43.9	1.717	2.515	15.9	18.1
1 6	5 7.02	−16 19.0	1.767	2.525	17.0	18.2
1 16	5 3.16	−14 27.1	1.834	2.537	18.4	18.4

224092 2005 OH_{8} 12 13.5 118°.58 1°.7/13.9 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 56.75	+29 19.3	1.553	2.361	17.2	20.3
11 17	5 51.17	+28 59.8	1.478	2.366	13.4	20.1
11 27	5 42.33	+28 31.0	1.426	2.370	8.9	19.8
12 7	5 31.22	+27 51.1	1.398	2.375	4.0	19.6
12 17	5 19.29	+27 0.8	1.398	2.379	2.4	19.5
12 27	5 8.19	+26 3.9	1.427	2.384	7.1	19.8
1 6	4 59.33	+25 5.9	1.482	2.388	11.7	20.1
1 16	4 53.58	+24 12.4	1.560	2.392	15.6	20.3

427843 2005 LN_{22} 12 13.5 179°.12 1°.6/13.3 16

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 55.89	+19 15.5	1.932	2.730	14.7	22.9
11 17	5 49.84	+19 4.6	1.849	2.732	11.4	22.7
11 27	5 41.22	+18 54.8	1.790	2.733	7.5	22.5
12 7	5 30.76	+18 46.0	1.757	2.734	3.3	22.2
12 17	5 19.51	+18 38.6	1.754	2.734	2.4	22.2
12 27	5 8.75	+18 33.6	1.781	2.733	6.4	22.4
1 6	4 59.61	+18 32.3	1.836	2.731	10.4	22.7
1 16	4 52.90	+18 35.8	1.916	2.729	13.9	22.9

427554 2002 TB_{339} 12 13.5 125°.03 0°.2/13.5 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 57.29	+22 19.6	1.739	2.542	15.9	21.9
11 17	5 51.09	+22 28.5	1.671	2.557	12.2	21.7
11 27	5 42.07	+22 36.8	1.625	2.571	7.9	21.5
12 7	5 31.08	+22 43.2	1.606	2.584	3.2	21.2
12 17	5 19.37	+22 46.8	1.615	2.598	1.7	21.1
12 27	5 8.35	+22 47.9	1.655	2.610	6.4	21.5
1 6	4 59.24	+22 48.4	1.721	2.622	10.7	21.7
1 16	4 52.85	+22 50.1	1.812	2.633	14.3	22.0

152175 2005 OL_{26} 12 13.5 39°.06 10°.3/13.2 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 50.84	+ 3 17.1	1.179	1.995	21.1	18.8
11 17	5 46.74	+ 2 10.4	1.135	2.011	17.4	18.6
11 27	5 39.46	+ 1 23.9	1.109	2.029	13.7	18.4
12 7	5 30.06	+ 1 4.2	1.104	2.047	10.9	18.4
12 17	5 19.97	+ 1 15.0	1.122	2.066	10.5	18.4
12 27	5 10.82	+ 1 55.4	1.164	2.085	12.7	18.6
1 6	5 3.92	+ 3 0.2	1.227	2.105	15.8	18.8
1 16	5 0.05	+ 4 22.1	1.311	2.126	19.0	19.1

77327 2001 FX_{92} 12 13.5 161°.37 0°.6/13.4 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 56.60	+20 53.5	1.914	2.711	14.8	19.9
11 17	5 50.43	+21 2.8	1.835	2.718	11.4	19.7
11 27	5 41.62	+21 12.9	1.779	2.724	7.4	19.5
12 7	5 30.93	+21 22.7	1.751	2.729	3.0	19.2
12 17	5 19.45	+21 31.3	1.752	2.734	1.8	19.1
12 27	5 8.48	+21 38.9	1.784	2.738	6.2	19.4
1 6	4 59.19	+21 46.4	1.843	2.741	10.2	19.7
1 16	4 52.40	+21 55.3	1.927	2.743	13.7	19.9

207811 2007 TV_{251} 12 13.5 80°.37 4°.3/14.3 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 57.50	+34 9.9	1.760	2.552	16.1	20.6
11 17	5 51.45	+34 34.2	1.698	2.572	12.7	20.5
11 27	5 42.34	+34 47.9	1.659	2.591	9.0	20.3
12 7	5 31.19	+34 47.3	1.645	2.610	5.4	20.1
12 17	5 19.36	+34 30.3	1.658	2.629	4.4	20.1
12 27	5 8.40	+33 58.8	1.701	2.648	7.1	20.3
1 6	4 59.62	+33 17.6	1.770	2.666	10.7	20.5
1 16	4 53.78	+32 32.5	1.863	2.685	13.9	20.8

48979 1998 QZ_{40} 12 13.5 256°.44 2°.6/13.8 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
11 7	5 55.88	+29 28.8	1.633	2.440	16.6	18.4
11 17	5 50.75	+29 38.9	1.543	2.428	13.1	18.1
11 27	5 42.31	+29 42.2	1.474	2.417	8.8	17.9
12 7	5 31.35	+29 35.3	1.430	2.405	4.4	17.6
12 17	5 19.19	+29 16.2	1.414	2.393	3.0	17.5
12 27	5 7.51	+28 46.1	1.425	2.381	7.3	17.7
1 6	4 57.86	+28 9.3	1.464	2.368	11.9	17.9
1 16	4 51.31	+27 31.2	1.525	2.355	16.0	18.1

137037 1998 UM_{19} 12 13.5 20°.13 19°.0/10.6 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	6 9.61	+46 31.2	0.954	1.754	26.1	19.3
11 17	6 6.63	+50 40.8	0.908	1.757	23.1	19.1
11 27	5 56.13	+54 34.5	0.880	1.761	20.6	19.0
12 7	5 38.11	+57 44.8	0.872	1.766	19.1	18.9
12 17	5 15.11	+59 47.0	0.882	1.772	19.4	18.9
12 27	4 52.52	+60 32.9	0.912	1.778	21.0	19.1
1 6	4 35.76	+60 15.3	0.957	1.786	23.4	19.3
1 16	4 27.65	+59 16.8	1.016	1.794	25.8	19.5

155563 1999 VR_{197} 12 13.5 106°.14 2°.1/13.6 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 52.95	+27 40.2	2.245	3.038	13.1	19.4
11 17	5 47.45	+28 18.3	2.168	3.047	10.1	19.3
11 27	5 39.61	+28 53.5	2.115	3.055	6.7	19.1
12 7	5 30.12	+29 23.0	2.090	3.064	3.3	18.9
12 17	5 19.92	+29 44.6	2.094	3.072	2.5	18.8
12 27	5 10.14	+29 57.8	2.129	3.080	5.6	19.0
1 6	5 1.79	+30 3.8	2.192	3.088	8.9	19.3
1 16	4 55.64	+30 5.2	2.280	3.096	11.9	19.5

61336 2000 OT_{67} 12 13.5 155°.72 3°.4/14.1 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 57.03	+32 24.9	1.804	2.599	15.7	19.6
11 17	5 51.18	+32 37.2	1.726	2.603	12.4	19.4
11 27	5 42.28	+32 40.4	1.670	2.606	8.6	19.2
12 7	5 31.23	+32 31.0	1.640	2.610	4.8	19.0
12 17	5 19.33	+32 7.4	1.638	2.613	3.7	18.9
12 27	5 8.11	+31 31.3	1.664	2.615	6.9	19.1
1 6	4 58.91	+30 47.1	1.719	2.618	10.8	19.3
1 16	4 52.60	+30 0.6	1.797	2.620	14.3	19.6

399883 2005 WJ_{18} 12 13.5 31°.29 1°.4/13.4 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 53.20	+23 25.6	1.858	2.664	14.9	20.2
11 17	5 48.10	+24 22.2	1.782	2.669	11.5	20.0
11 27	5 40.28	+25 20.6	1.729	2.675	7.5	19.8
12 7	5 30.46	+26 17.0	1.703	2.681	3.2	19.5
12 17	5 19.73	+27 8.0	1.706	2.687	2.1	19.5
12 27	5 9.40	+27 51.3	1.739	2.693	6.2	19.7
1 6	5 0.72	+28 26.8	1.799	2.700	10.2	20.0
1 16	4 54.58	+28 56.2	1.883	2.707	13.7	20.2

182266 2001 HO_{25} 12 13.5 124°.06 2°.3/13.8 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 59.37	+28 34.2	1.879	2.670	15.3	21.2
11 17	5 52.62	+28 59.2	1.811	2.688	11.9	21.1
11 27	5 43.03	+29 18.8	1.767	2.706	7.9	20.9
12 7	5 31.49	+29 29.9	1.749	2.723	3.8	20.6
12 17	5 19.25	+29 30.6	1.761	2.740	2.7	20.6
12 27	5 7.74	+29 21.6	1.803	2.755	6.3	20.9
1 6	4 58.18	+29 5.7	1.873	2.770	10.2	21.1
1 16	4 51.37	+28 47.1	1.968	2.784	13.5	21.4

21841 1999 TE_{102} 12 13.5 118°.59 3°.9/13.2 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 49.63	+10 46.9	2.319	3.108	12.8	18.6
11 17	5 44.56	+10 35.2	2.244	3.116	10.1	18.5
11 27	5 37.56	+10 30.3	2.193	3.125	7.1	18.3
12 7	5 29.27	+10 33.7	2.169	3.133	4.5	18.2
12 17	5 20.45	+10 46.0	2.175	3.141	4.1	18.1
12 27	5 12.02	+11 7.3	2.210	3.148	6.4	18.3
1 6	5 4.79	+11 36.7	2.274	3.156	9.3	18.5
1 16	4 59.38	+12 12.9	2.362	3.163	12.0	18.7

242530 2005 AG_{56} 12 13.5 289°.77 2°.2/13.3 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 51.26	+17 55.7	1.697	2.511	15.7	20.7
11 17	5 46.85	+17 47.3	1.606	2.497	12.3	20.5
11 27	5 39.62	+17 41.9	1.536	2.483	8.2	20.2
12 7	5 30.26	+17 39.9	1.492	2.469	3.8	19.9
12 17	5 19.85	+17 41.8	1.476	2.455	2.9	19.8
12 27	5 9.76	+17 48.3	1.487	2.441	7.2	20.0
1 6	5 1.30	+18 0.1	1.525	2.427	11.7	20.3
1 16	4 55.43	+18 17.7	1.586	2.414	15.6	20.5

436448 2011 CZ_{67} 12 13.5 219°.40 0°.2/13.5 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 55.78	+23 17.8	1.837	2.639	15.2	21.8
11 17	5 50.17	+23 27.1	1.746	2.631	11.8	21.5
11 27	5 41.69	+23 35.4	1.678	2.623	7.7	21.3
12 7	5 31.07	+23 41.2	1.636	2.615	3.1	21.0
12 17	5 19.42	+23 43.1	1.623	2.605	1.7	20.8
12 27	5 8.16	+23 41.6	1.640	2.596	6.5	21.1
1 6	4 58.59	+23 38.4	1.684	2.585	10.8	21.4
1 16	4 51.67	+23 35.9	1.753	2.574	14.6	21.6

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
222329 2000 UV_{64}			12 13.5 139°.13		3°.6/14.2 18	
	h m	° ′			°	m
11 7	5 55.46	+35 10.4	2.705	3.472	11.8	20.9
11 17	5 49.03	+35 38.7	2.628	3.486	9.3	20.7
11 27	5 40.46	+35 59.3	2.576	3.499	6.7	20.6
12 7	5 30.43	+36 9.0	2.553	3.512	4.3	20.4
12 17	5 19.83	+36 6.4	2.559	3.523	3.7	20.4
12 27	5 9.71	+35 51.9	2.596	3.535	5.5	20.6
1 6	5 0.97	+35 27.9	2.662	3.546	8.1	20.7
1 16	4 54.30	+34 58.2	2.755	3.556	10.5	20.9
485600 2011 UN_{266}			12 13.5 41°.26		3°.6/13.5 17	
11 7	5 52.57	+13 42.3	1.377	2.198	18.3	21.2
11 17	5 47.78	+13 47.7	1.329	2.222	14.2	21.0
11 27	5 40.03	+14 2.3	1.301	2.246	9.5	20.8
12 7	5 30.30	+14 26.3	1.297	2.270	5.0	20.6
12 17	5 19.94	+14 58.8	1.319	2.296	4.1	20.6
12 27	5 10.45	+15 38.4	1.369	2.321	7.9	20.9
1 6	5 3.07	+16 23.3	1.444	2.348	12.1	21.2
1 16	4 58.56	+17 11.6	1.541	2.374	15.7	21.5
66508 1999 RS_{86}			12 13.5 71°.50		3°.7/14.0 18	
11 7	5 59.67	+31 46.9	1.644	2.441	16.9	19.1
11 17	5 53.08	+32 20.6	1.594	2.472	13.2	18.9
11 27	5 43.36	+32 45.5	1.566	2.503	9.0	18.8
12 7	5 31.60	+32 57.2	1.564	2.533	5.1	18.6
12 17	5 19.26	+32 53.7	1.590	2.564	4.0	18.6
12 27	5 7.95	+32 36.4	1.644	2.594	7.1	18.9
1 6	4 58.96	+32 9.8	1.725	2.623	10.8	19.2
1 16	4 53.06	+31 39.3	1.830	2.652	14.1	19.4
339038 2004 JA_{13}			12 13.5 120°.06		20°.8/10.7 17	
11 7	5 55.85	−14 18.9	1.168	1.914	25.2	20.5
11 17	5 50.83	−17 11.6	1.132	1.922	23.2	20.4
11 27	5 42.29	−19 28.3	1.112	1.931	21.7	20.3
12 7	5 31.30	−20 55.1	1.108	1.939	20.8	20.3
12 17	5 19.41	−21 22.9	1.122	1.946	20.9	20.3
12 27	5 8.44	−20 50.9	1.152	1.953	21.9	20.4
1 6	4 59.89	−19 27.3	1.198	1.960	23.4	20.6
1 16	4 54.70	−17 24.3	1.258	1.966	25.0	20.7
55677 3201 $T\text{-}_{1}$			12 13.5 16°.70		5°.8/14.2 18	
11 7	5 51.61	+34 38.2	1.354	2.173	18.7	17.3
11 17	5 47.98	+35 24.1	1.293	2.181	14.9	17.1
11 27	5 40.67	+35 58.7	1.253	2.190	10.7	16.9
12 7	5 30.71	+36 16.0	1.235	2.200	7.0	16.7
12 17	5 19.72	+36 12.4	1.242	2.211	6.0	16.7
12 27	5 9.61	+35 48.9	1.275	2.223	8.8	16.9
1 6	5 2.02	+35 11.1	1.331	2.237	12.7	17.1
1 16	4 57.90	+34 26.1	1.409	2.251	16.4	17.4
515756 2015 FM_{334}			12 13.5 123°.70		3°.4/13.2 18	
11 7	5 54.40	+14 18.4	1.768	2.569	15.7	21.7
11 17	5 48.76	+14 5.7	1.699	2.581	12.2	21.5
11 27	5 40.53	+13 58.8	1.652	2.592	8.3	21.3
12 7	5 30.52	+13 58.8	1.631	2.603	4.5	21.1
12 17	5 19.82	+14 6.3	1.639	2.613	3.9	21.1
12 27	5 9.72	+14 21.6	1.676	2.623	7.2	21.3
1 6	5 1.32	+14 44.2	1.740	2.633	11.0	21.6
1 16	4 55.39	+15 13.4	1.827	2.642	14.4	21.8
56792 2000 OP_{56}			12 13.5 189°.45		0°.2/13.5 18	
11 7	5 54.94	+22 21.4	2.022	2.819	14.2	20.2
11 17	5 49.16	+22 28.4	1.936	2.819	10.9	20.0
11 27	5 40.84	+22 34.9	1.873	2.817	7.1	19.7
12 7	5 30.68	+22 39.8	1.837	2.816	2.9	19.5
12 17	5 19.71	+22 42.3	1.831	2.813	1.6	19.4
12 27	5 9.15	+22 42.8	1.855	2.810	5.9	19.7
1 6	5 0.13	+22 42.6	1.908	2.806	9.9	19.9
1 16	4 53.48	+22 43.6	1.985	2.802	13.3	20.1
363212 2001 UA_{220}			12 13.5 357°.61		6°.8/13.3 17	
11 7	5 53.34	+34 14.4	1.494	2.305	17.7	20.5
11 17	5 49.44	+35 48.5	1.420	2.301	14.3	20.3
11 27	5 41.84	+37 16.7	1.368	2.299	10.6	20.1
12 7	5 31.32	+38 30.8	1.339	2.297	7.5	19.9
12 17	5 19.30	+39 23.2	1.336	2.296	7.0	19.9
12 27	5 7.74	+39 51.0	1.359	2.297	9.6	20.0
1 6	4 58.46	+39 56.6	1.406	2.298	13.2	20.2
1 16	4 52.71	+39 46.3	1.475	2.300	16.7	20.4
273386 2006 VJ_{44}			12 13.5 73°.18		0°.4/13.5 18	
11 7	5 57.01	+20 22.2	1.368	2.187	18.6	20.0
11 17	5 51.53	+20 51.0	1.309	2.204	14.3	19.8
11 27	5 42.67	+21 22.9	1.272	2.221	9.2	19.6
12 7	5 31.45	+21 55.5	1.258	2.237	3.7	19.3
12 17	5 19.34	+22 26.2	1.272	2.254	2.0	19.2
12 27	5 8.08	+22 53.8	1.313	2.271	7.4	19.6
1 6	4 59.16	+23 18.8	1.380	2.288	12.2	19.9
1 16	4 53.47	+23 42.6	1.470	2.304	16.3	20.2

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
346332 2008 RW_{29}			12 13.5 129°.43		4°.4/14.2 18	
	h m	° ′			°	m
11 7	5 58.66	+34 9.1	1.835	2.623	15.8	21.4
11 17	5 52.44	+34 41.4	1.763	2.633	12.5	21.2
11 27	5 43.11	+35 4.3	1.713	2.643	8.9	21.0
12 7	5 31.61	+35 13.1	1.689	2.653	5.5	20.8
12 17	5 19.25	+35 5.1	1.693	2.662	4.6	20.8
12 27	5 7.61	+34 41.3	1.726	2.671	7.3	20.9
1 6	4 58.06	+34 6.0	1.786	2.680	10.8	21.2
1 16	4 51.47	+33 25.1	1.870	2.688	14.0	21.4
461611 2004 YP_{13}			12 13.5 265°.61		2°.6/13.3 18	
11 7	5 48.94	+14 25.5	2.321	3.117	12.6	21.1
11 17	5 44.18	+14 26.5	2.235	3.115	9.8	21.0
11 27	5 37.43	+14 32.5	2.174	3.113	6.6	20.8
12 7	5 29.28	+14 43.9	2.139	3.111	3.6	20.6
12 17	5 20.49	+15 1.0	2.134	3.109	3.0	20.5
12 27	5 12.00	+15 23.7	2.159	3.107	5.8	20.7
1 6	5 4.69	+15 51.3	2.212	3.105	9.0	20.9
1 16	4 59.20	+16 23.4	2.291	3.103	12.0	21.1
51866 2001 PH_{3}			12 13.5 315°.81		0°.9/13.8 18	
11 7	5 57.36	+32 27.5	1.330	2.146	19.2	17.3
11 17	5 52.49	+30 57.0	1.233	2.125	15.2	16.9
11 27	5 43.68	+29 2.0	1.157	2.104	10.2	16.6
12 7	5 31.98	+26 42.1	1.106	2.084	4.4	16.2
12 17	5 19.04	+24 2.6	1.082	2.065	2.2	16.0
12 27	5 6.93	+21 15.7	1.088	2.046	8.5	16.3
1 6	4 57.42	+18 36.2	1.119	2.028	14.3	16.6
1 16	4 51.59	+16 16.4	1.174	2.011	19.4	16.8
365554 2010 TM_{23}			12 13.5 67°.75		2°.6/13.1 18	
11 7	5 50.20	+16 58.3	1.953	2.759	14.3	21.5
11 17	5 45.43	+16 35.1	1.876	2.763	11.0	21.3
11 27	5 38.34	+16 14.3	1.822	2.766	7.4	21.0
12 7	5 29.65	+15 57.1	1.795	2.769	3.7	20.8
12 17	5 20.31	+15 44.9	1.796	2.773	3.1	20.8
12 27	5 11.44	+15 38.8	1.827	2.776	6.5	21.0
1 6	5 4.03	+15 39.6	1.884	2.780	10.2	21.2
1 16	4 58.81	+15 47.6	1.966	2.784	13.4	21.5
458086 2010 AS_{62}			12 13.5 328°.52		2°.0/13.5 18	
11 7	5 49.44	+15 36.3	2.001	2.806	14.0	20.7
11 17	5 45.02	+15 59.5	1.910	2.796	10.9	20.5
11 27	5 38.23	+16 29.3	1.843	2.787	7.3	20.3
12 7	5 29.68	+17 5.4	1.802	2.777	3.5	20.0
12 17	5 20.26	+17 46.5	1.789	2.769	2.5	19.9
12 27	5 11.09	+18 31.3	1.807	2.760	6.2	20.2
1 6	5 3.24	+19 18.5	1.852	2.752	10.0	20.4
1 16	4 57.54	+20 7.1	1.921	2.745	13.5	20.6
132489 2002 JJ_{28}			12 13.5 186°.98		3°.6/13.7 18	
11 7	5 57.55	+31 41.1	2.260	3.039	13.4	21.7
11 17	5 51.23	+32 32.6	2.172	3.039	10.6	21.5
11 27	5 42.25	+33 19.2	2.107	3.038	7.4	21.3
12 7	5 31.30	+33 56.6	2.071	3.037	4.5	21.1
12 17	5 19.39	+34 21.6	2.065	3.035	3.8	21.0
12 27	5 7.82	+34 32.9	2.089	3.032	6.4	21.2
1 6	4 57.79	+34 32.5	2.142	3.029	9.6	21.4
1 16	4 50.18	+34 23.9	2.220	3.025	12.5	21.6
139556 2001 QT_{67}			12 13.5 33°.05		3°.3/13.5 18	
11 7	5 50.96	+13 51.9	1.536	2.353	17.0	19.0
11 17	5 46.50	+14 1.7	1.473	2.364	13.2	18.8
11 27	5 39.26	+14 20.2	1.432	2.376	8.9	18.6
12 7	5 30.07	+14 47.5	1.415	2.389	4.7	18.3
12 17	5 20.11	+15 22.9	1.426	2.402	3.7	18.3
12 27	5 10.79	+16 4.9	1.464	2.416	7.4	18.6
1 6	5 3.31	+16 51.8	1.528	2.431	11.6	18.9
1 16	4 58.48	+17 42.0	1.615	2.446	15.2	19.1
26011 2001 FA_{136}			12 13.5 23°.65		3°.3/13.4 18	
11 7	5 51.69	+13 54.0	1.639	2.450	16.3	18.4
11 17	5 47.04	+13 59.7	1.564	2.452	12.8	18.2
11 27	5 39.64	+14 13.4	1.512	2.455	8.7	17.9
12 7	5 30.25	+14 35.6	1.484	2.457	4.6	17.7
12 17	5 19.99	+15 6.1	1.484	2.460	3.7	17.7
12 27	5 10.22	+15 43.7	1.512	2.464	7.4	17.9
1 6	5 2.17	+16 27.1	1.567	2.467	11.5	18.1
1 16	4 56.70	+17 14.8	1.645	2.471	15.2	18.4
130244 2000 CD_{76}			12 13.5 271°.17		6°.1/14.7 18	
11 7	5 55.00	+42 12.8	2.433	3.189	13.2	20.0
11 17	5 49.42	+42 46.8	2.336	3.176	11.0	19.8
11 27	5 41.13	+43 8.9	2.263	3.163	8.7	19.7
12 7	5 30.85	+43 14.3	2.214	3.150	6.7	19.5
12 17	5 19.66	+43 0.2	2.194	3.137	6.2	19.5
12 27	5 8.88	+42 26.6	2.203	3.124	7.5	19.5
1 6	4 59.74	+41 37.1	2.238	3.110	9.9	19.7
1 16	4 53.11	+40 37.3	2.298	3.097	12.4	19.8

180027 2003 AY_{24} 12 13.5 3°.92 1°.5/13.4 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
11 7	5 48.35	+19 15.2	1.375	2.209	17.7	19.6
11 17	5 45.03	+19 20.6	1.306	2.208	13.7	19.4
11 27	5 38.60	+19 29.5	1.256	2.208	9.0	19.1
12 7	5 29.89	+19 41.6	1.231	2.210	3.8	18.8
12 17	5 20.19	+19 56.3	1.231	2.212	2.5	18.7
12 27	5 11.09	+20 13.5	1.257	2.216	7.5	19.1
1 6	5 3.98	+20 33.5	1.308	2.221	12.3	19.4
1 16	4 59.82	+20 56.5	1.381	2.227	16.4	19.6

434050 2001 TU_{257} 12 13.5 123°.76 0°.2/13.5 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 56.82	+22 4.6	1.855	2.654	15.2	21.9
11 17	5 50.61	+22 18.0	1.786	2.670	11.6	21.7
11 27	5 41.74	+22 31.3	1.740	2.685	7.5	21.5
12 7	5 31.03	+22 43.0	1.721	2.700	3.0	21.2
12 17	5 19.63	+22 52.0	1.732	2.714	1.6	21.2
12 27	5 8.86	+22 58.4	1.772	2.727	6.1	21.5
1 6	4 59.87	+23 3.7	1.840	2.740	10.1	21.8
1 16	4 53.45	+23 9.4	1.933	2.752	13.6	22.0

477817 2011 EY_{25} 12 13.5 132°.79 0°.5/13.6 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 57.16	+24 8.7	1.951	2.746	14.7	22.1
11 17	5 50.79	+24 20.3	1.880	2.761	11.3	21.9
11 27	5 41.82	+24 29.8	1.832	2.776	7.3	21.7
12 7	5 31.06	+24 35.7	1.811	2.789	3.0	21.4
12 17	5 19.63	+24 36.9	1.820	2.802	1.6	21.3
12 27	5 8.81	+24 33.9	1.860	2.814	5.9	21.7
1 6	4 59.74	+24 28.6	1.927	2.826	9.8	21.9
1 16	4 53.17	+24 23.5	2.020	2.837	13.2	22.2

281199 2007 FD_{18} 12 13.5 268°.49 0°.9/13.4 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 53.62	+20 54.4	1.650	2.463	16.2	21.4
11 17	5 48.86	+20 56.1	1.557	2.449	12.6	21.2
11 27	5 41.06	+20 58.8	1.486	2.434	8.3	20.9
12 7	5 30.93	+21 1.7	1.440	2.419	3.4	20.5
12 17	5 19.62	+21 4.3	1.422	2.404	2.1	20.4
12 27	5 8.63	+21 7.0	1.433	2.389	7.1	20.7
1 6	4 59.39	+21 11.1	1.469	2.374	11.9	20.9
1 16	4 52.94	+21 18.3	1.529	2.358	16.0	21.2

210599 1999 YG_{6} 12 13.5 0°.67 11°.1/18.9 17

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	6 7.02	+53 2.0	1.358	2.106	22.1	18.7
11 17	6 0.62	+52 40.2	1.282	2.104	19.3	18.5
11 27	5 48.97	+51 42.6	1.222	2.102	16.0	18.3
12 7	5 33.94	+49 59.2	1.182	2.102	12.9	18.1
12 17	5 18.26	+47 26.9	1.167	2.103	11.2	18.0
12 27	5 4.77	+44 14.6	1.178	2.105	12.0	18.1
1 6	4 55.35	+40 41.2	1.216	2.108	14.8	18.3
1 16	4 50.63	+37 6.9	1.278	2.113	18.2	18.5

108619 2001 ME_{26} 12 13.5 137°.73 4°.5/13.1 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 55.29	+10 49.0	2.041	2.825	14.5	20.1
11 17	5 49.03	+10 24.1	1.972	2.841	11.4	19.9
11 27	5 40.53	+10 6.5	1.926	2.856	8.1	19.8
12 7	5 30.51	+ 9 57.9	1.908	2.870	5.2	19.6
12 17	5 19.95	+ 9 59.6	1.919	2.884	4.8	19.6
12 27	5 9.94	+10 12.0	1.960	2.896	7.3	19.8
1 6	5 1.44	+10 34.4	2.029	2.908	10.4	20.0
1 16	4 55.11	+11 5.5	2.123	2.918	13.4	20.2

167282 2003 UT_{169} 12 13.5 22°.65 0°.5/13.4 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 51.44	+22 53.9	1.515	2.337	16.9	19.7
11 17	5 47.11	+22 43.8	1.445	2.341	13.0	19.5
11 27	5 39.79	+22 31.7	1.396	2.346	8.4	19.3
12 7	5 30.34	+22 17.5	1.372	2.351	3.4	19.0
12 17	5 20.04	+22 1.4	1.374	2.357	1.9	18.9
12 27	5 10.42	+21 45.1	1.405	2.363	7.0	19.2
1 6	5 2.77	+21 31.2	1.460	2.369	11.6	19.5
1 16	4 57.96	+21 21.7	1.539	2.376	15.5	19.8

356679 2011 UW_{97} 12 13.5 129°.38 1°.9/13.8 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 54.60	+28 25.9	1.970	2.767	14.5	21.7
11 17	5 48.99	+28 37.7	1.893	2.775	11.2	21.5
11 27	5 40.74	+28 44.2	1.840	2.782	7.5	21.3
12 7	5 30.67	+28 43.2	1.813	2.789	3.5	21.1
12 17	5 19.87	+28 33.6	1.816	2.795	2.4	21.0
12 27	5 9.64	+28 16.2	1.848	2.802	6.0	21.2
1 6	5 1.12	+27 54.1	1.907	2.808	9.8	21.5
1 16	4 55.09	+27 30.6	1.992	2.814	13.1	21.7

444552 2006 SU_{307} 12 13.5 67°.71 3°.5/14.1 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 55.12	+32 0.6	1.788	2.586	15.7	21.1
11 17	5 49.65	+32 24.3	1.722	2.601	12.3	20.9
11 27	5 41.27	+32 39.8	1.679	2.616	8.5	20.7
12 7	5 30.89	+32 43.6	1.661	2.631	4.8	20.5
12 17	5 19.80	+32 33.9	1.672	2.646	3.8	20.5
12 27	5 9.44	+32 11.9	1.711	2.661	6.8	20.7
1 6	5 1.08	+31 41.5	1.776	2.676	10.4	20.9
1 16	4 55.51	+31 7.5	1.866	2.691	13.7	21.2

162410 2000 DE_{104} 12 13.5 211°.40 1°.8/13.3 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
11 7	5 48.61	+16 59.5	2.715	3.506	11.1	20.4
11 17	5 43.70	+16 54.2	2.623	3.502	8.6	20.2
11 27	5 37.03	+16 51.1	2.556	3.497	5.7	20.0
12 7	5 29.14	+16 50.7	2.517	3.492	2.8	19.8
12 17	5 20.71	+16 53.2	2.509	3.486	2.2	19.8
12 27	5 12.53	+16 59.0	2.531	3.481	5.0	19.9
1 6	5 5.35	+17 8.6	2.583	3.475	7.9	20.1
1 16	4 59.76	+17 21.9	2.661	3.469	10.6	20.3

150456 2000 HX_{55} 12 13.5 307°.62 2°.0/13.7 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 52.72	+26 47.4	1.397	2.221	18.0	20.3
11 17	5 48.92	+27 7.1	1.307	2.204	14.1	20.0
11 27	5 41.51	+27 23.4	1.238	2.187	9.4	19.7
12 7	5 31.25	+27 32.9	1.193	2.170	4.3	19.3
12 17	5 19.50	+27 33.1	1.173	2.154	2.8	19.2
12 27	5 8.13	+27 23.9	1.180	2.138	7.9	19.5
1 6	4 58.89	+27 8.5	1.211	2.123	13.2	19.7
1 16	4 53.05	+26 51.3	1.264	2.108	17.8	20.0

320878 2008 GH_{18} 12 13.5 227°.18 1°.8/13.3 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 54.88	+19 3.9	1.645	2.455	16.3	21.7
11 17	5 49.70	+18 55.5	1.559	2.448	12.7	21.5
11 27	5 41.52	+18 49.0	1.495	2.441	8.4	21.2
12 7	5 31.11	+18 44.5	1.456	2.434	3.7	20.9
12 17	5 19.66	+18 42.1	1.446	2.426	2.6	20.8
12 27	5 8.63	+18 42.7	1.464	2.418	7.2	21.1
1 6	4 59.41	+18 47.5	1.508	2.409	11.8	21.3
1 16	4 52.97	+18 57.7	1.575	2.400	15.8	21.6

171673 2000 QB_{33} 12 13.5 135°.49 0°.6/13.6 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	6 0.17	+23 36.3	1.762	2.558	16.0	20.7
11 17	5 53.38	+23 58.5	1.692	2.574	12.3	20.5
11 27	5 43.66	+24 19.6	1.645	2.589	8.0	20.3
12 7	5 31.89	+24 37.2	1.625	2.603	3.3	20.1
12 17	5 19.32	+24 49.3	1.635	2.617	1.8	20.0
12 27	5 7.44	+24 56.0	1.674	2.629	6.4	20.3
1 6	4 57.55	+24 59.0	1.742	2.641	10.7	20.6
1 16	4 50.47	+25 0.9	1.834	2.651	14.3	20.8

368523 2003 WZ_{18} 12 13.5 22°.83 0°.6/13.7 17

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 50.88	+27 35.2	2.092	2.893	13.6	20.0
11 17	5 45.91	+27 1.7	2.012	2.896	10.5	19.8
11 27	5 38.64	+26 21.4	1.955	2.900	6.8	19.6
12 7	5 29.82	+25 34.3	1.925	2.903	2.9	19.3
12 17	5 20.44	+24 41.9	1.925	2.907	1.5	19.2
12 27	5 11.62	+23 47.1	1.955	2.911	5.5	19.5
1 6	5 4.33	+22 53.7	2.013	2.916	9.2	19.8
1 16	4 59.25	+22 5.1	2.096	2.920	12.5	20.0

176321 2001 SS_{210} 12 13.5 325°.45 2°.7/13.8 17

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 52.45	+29 19.2	1.814	2.620	15.2	20.2
11 17	5 47.79	+29 43.3	1.730	2.615	11.9	20.0
11 27	5 40.25	+30 2.1	1.668	2.610	8.1	19.8
12 7	5 30.60	+30 12.7	1.632	2.606	4.1	19.5
12 17	5 19.98	+30 12.8	1.623	2.601	3.0	19.4
12 27	5 9.81	+30 2.8	1.643	2.597	6.6	19.7
1 6	5 1.41	+29 45.3	1.690	2.594	10.6	19.9
1 16	4 55.69	+29 24.2	1.761	2.590	14.2	20.1

375683 2009 HD_{104} 12 13.5 245°.66 1°.4/13.6 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 56.79	+25 5.2	1.476	2.290	17.7	21.4
11 17	5 51.77	+25 31.9	1.391	2.282	13.8	21.1
11 27	5 43.21	+25 57.6	1.326	2.274	9.1	20.8
12 7	5 31.91	+26 18.9	1.287	2.265	4.0	20.5
12 17	5 19.24	+26 32.7	1.275	2.256	2.4	20.4
12 27	5 7.02	+26 38.3	1.290	2.247	7.6	20.7
1 6	4 56.94	+26 38.1	1.331	2.237	12.7	20.9
1 16	4 50.15	+26 35.5	1.394	2.228	17.0	21.2

132389 2002 GJ_{90} 12 13.5 346°.33 1°.7/13.7 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 52.97	+26 37.9	1.548	2.365	16.9	19.7
11 17	5 48.53	+26 55.7	1.470	2.362	13.1	19.5
11 27	5 40.89	+27 9.9	1.413	2.360	8.7	19.2
12 7	5 30.90	+27 17.8	1.380	2.358	3.9	18.9
12 17	5 19.84	+27 17.5	1.375	2.356	2.5	18.8
12 27	5 9.34	+27 9.4	1.397	2.355	7.1	19.1
1 6	5 0.86	+26 56.3	1.445	2.354	11.7	19.4
1 16	4 55.39	+26 42.0	1.516	2.353	15.7	19.6

110533 2001 TW_{88} 12 13.5 280°.52 5°.2/14.0 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 54.85	+35 42.8	1.985	2.772	14.8	19.7
11 17	5 49.77	+36 28.8	1.892	2.759	12.0	19.5
11 27	5 41.66	+37 6.6	1.821	2.746	8.8	19.3
12 7	5 31.23	+37 31.1	1.775	2.733	6.0	19.1
12 17	5 19.63	+37 38.3	1.757	2.720	5.3	19.0
12 27	5 8.38	+37 27.6	1.767	2.707	7.6	19.1
1 6	4 58.88	+37 2.0	1.804	2.693	10.9	19.3
1 16	4 52.17	+36 26.8	1.865	2.680	14.1	19.5

224056 2005 MH_{50} 12 13.5 157°.39 0°.8/13.6 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
11 7	5 57.51	+25 10.4	1.909	2.705	14.9	21.6
11 17	5 51.25	+25 20.3	1.831	2.713	11.5	21.4
11 27	5 42.26	+25 27.4	1.776	2.720	7.5	21.2
12 7	5 31.34	+25 29.7	1.748	2.726	3.2	20.9
12 17	5 19.64	+25 26.1	1.750	2.732	1.8	20.8
12 27	5 8.50	+25 17.3	1.782	2.737	6.1	21.1
1 6	4 59.13	+25 5.7	1.842	2.741	10.2	21.4
1 16	4 52.36	+24 54.1	1.926	2.744	13.6	21.6

374722 2006 SY_{35} 12 13.5 106°.26 1°.5/13.4 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 58.17	+18 57.2	1.583	2.389	17.1	21.3
11 17	5 51.93	+19 2.2	1.522	2.408	13.1	21.1
11 27	5 42.73	+19 9.8	1.482	2.428	8.5	20.9
12 7	5 31.51	+19 19.5	1.469	2.447	3.7	20.6
12 17	5 19.59	+19 30.3	1.484	2.465	2.4	20.6
12 27	5 8.46	+19 42.5	1.528	2.483	7.0	20.9
1 6	4 59.40	+19 56.6	1.599	2.500	11.3	21.2
1 16	4 53.22	+20 13.5	1.693	2.516	15.0	21.5

46211 2001 FO_{161} 12 13.5 191°.60 2°.6/12.9 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 48.72	+16 28.5	2.467	3.262	12.0	19.3
11 17	5 43.88	+15 54.8	2.382	3.262	9.3	19.1
11 27	5 37.20	+15 22.7	2.321	3.261	6.2	18.9
12 7	5 29.25	+14 53.6	2.288	3.260	3.4	18.7
12 17	5 20.78	+14 28.9	2.285	3.259	3.0	18.7
12 27	5 12.66	+14 10.3	2.313	3.258	5.7	18.8
1 6	5 5.67	+13 58.7	2.368	3.256	8.7	19.0
1 16	5 0.41	+13 54.7	2.449	3.255	11.5	19.2

151556 2002 TO_{52} 12 13.5 59°.97 3°.2/13.7 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 57.87	+28 20.4	1.322	2.140	19.1	19.2
11 17	5 52.55	+29 5.0	1.267	2.159	14.8	19.0
11 27	5 43.53	+29 44.3	1.232	2.177	9.9	18.8
12 7	5 31.93	+30 13.4	1.221	2.196	5.0	18.6
12 17	5 19.38	+30 28.4	1.237	2.215	3.7	18.5
12 27	5 7.84	+30 29.5	1.279	2.234	7.9	18.8
1 6	4 58.90	+30 20.6	1.347	2.254	12.5	19.2
1 16	4 53.49	+30 6.8	1.436	2.273	16.4	19.5

281082 2006 SH_{33} 12 13.5 87°.86 1°.3/13.2 17

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 47.64	+19 45.1	2.651	3.448	11.2	20.9
11 17	5 42.92	+19 23.0	2.573	3.455	8.6	20.7
11 27	5 36.50	+19 0.9	2.519	3.463	5.6	20.6
12 7	5 28.95	+18 39.4	2.493	3.470	2.5	20.4
12 17	5 20.96	+18 19.5	2.498	3.477	1.9	20.3
12 27	5 13.34	+18 2.3	2.533	3.484	4.8	20.5
1 6	5 6.80	+17 48.9	2.597	3.492	7.8	20.7
1 16	5 1.88	+17 40.3	2.687	3.499	10.4	20.9

91672 1999 TV_{114} 12 13.5 280°.11 8°.4/14.3 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 58.84	+42 18.2	1.797	2.568	16.7	18.6
11 17	5 53.60	+43 26.2	1.707	2.554	14.0	18.4
11 27	5 44.57	+44 21.5	1.639	2.541	11.2	18.2
12 7	5 32.54	+44 56.0	1.594	2.527	9.0	18.0
12 17	5 18.96	+45 3.1	1.575	2.514	8.5	18.0
12 27	5 5.81	+44 41.6	1.582	2.500	10.1	18.0
1 6	4 54.97	+43 55.9	1.614	2.487	13.0	18.2
1 16	4 47.69	+42 54.5	1.669	2.473	16.0	18.3

485704 2011 YR_{47} 12 13.5 200°.97 0°.6/13.7 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 53.53	+26 41.4	2.249	3.042	13.1	21.4
11 17	5 47.87	+26 20.5	2.159	3.039	10.1	21.2
11 27	5 39.92	+25 54.2	2.093	3.036	6.6	21.0
12 7	5 30.39	+25 21.9	2.054	3.032	2.8	20.8
12 17	5 20.20	+24 44.2	2.046	3.028	1.5	20.7
12 27	5 10.47	+24 3.1	2.068	3.024	5.4	20.9
1 6	5 2.18	+23 21.9	2.120	3.019	9.0	21.1
1 16	4 56.04	+22 43.6	2.197	3.013	12.2	21.3

231586 2008 UP_{266} 12 13.5 103°.28 1°.8/13.8 17

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 51.01	+28 43.1	2.505	3.295	12.0	21.3
11 17	5 45.74	+28 57.4	2.428	3.305	9.2	21.1
11 27	5 38.44	+29 7.3	2.376	3.315	6.2	21.0
12 7	5 29.76	+29 11.1	2.351	3.325	3.0	20.8
12 17	5 20.54	+29 7.9	2.356	3.335	2.1	20.7
12 27	5 11.75	+28 58.3	2.392	3.344	4.9	20.9
1 6	5 4.24	+28 44.1	2.456	3.354	8.0	21.1
1 16	4 58.66	+28 27.7	2.546	3.363	10.8	21.3

231687 1996 TV_{47} 12 13.5 147°.86 1°.1/13.7 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 56.02	+26 7.3	2.116	2.907	13.8	20.9
11 17	5 49.86	+26 17.6	2.038	2.917	10.6	20.7
11 27	5 41.24	+26 24.6	1.985	2.927	7.0	20.5
12 7	5 30.92	+26 26.3	1.959	2.936	3.0	20.3
12 17	5 19.93	+26 21.8	1.963	2.944	1.8	20.2
12 27	5 9.46	+26 11.9	1.997	2.951	5.6	20.5
1 6	5 0.59	+25 58.7	2.060	2.958	9.3	20.7
1 16	4 54.06	+25 44.9	2.148	2.964	12.5	21.0

506082 2015 VX_{152} 12 13.5 147°.92 11°.5/16.9 17

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
11 7	6 12.10	+48 26.3	1.217	1.985	23.2	20.8
11 17	6 5.25	+48 56.8	1.150	1.989	19.9	20.6
11 27	5 52.57	+48 58.7	1.099	1.993	16.2	20.4
12 7	5 35.69	+48 18.9	1.067	1.996	12.9	20.2
12 17	5 17.48	+46 50.7	1.059	1.999	11.5	20.1
12 27	5 1.31	+44 39.4	1.075	2.001	13.0	20.2
1 6	4 49.58	+42 1.9	1.116	2.004	16.2	20.4
1 16	4 43.25	+39 17.6	1.177	2.006	19.9	20.7

487108 2014 OZ_{158} 12 13.5 226°.25 2°.3/13.7 17

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 53.36	+28 10.2	1.996	2.795	14.3	22.0
11 17	5 48.21	+28 40.3	1.912	2.794	11.1	21.8
11 27	5 40.41	+29 6.9	1.851	2.792	7.5	21.6
12 7	5 30.66	+29 26.8	1.817	2.791	3.7	21.4
12 17	5 20.04	+29 38.0	1.811	2.789	2.7	21.3
12 27	5 9.82	+29 40.1	1.835	2.788	6.1	21.5
1 6	5 1.20	+29 35.1	1.886	2.786	9.9	21.7
1 16	4 55.04	+29 26.0	1.961	2.784	13.3	22.0

333729 2009 UJ_{106} 12 13.5 8°.90 0°.3/13.6 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 50.22	+24 6.3	1.133	1.976	20.0	20.2
11 17	5 47.16	+24 5.2	1.070	1.977	15.5	20.0
11 27	5 40.33	+24 1.3	1.025	1.980	10.1	19.7
12 7	5 30.75	+23 53.4	1.003	1.983	4.1	19.4
12 17	5 20.02	+23 41.1	1.005	1.988	2.2	19.3
12 27	5 10.14	+23 26.3	1.032	1.993	8.2	19.6
1 6	5 2.79	+23 12.2	1.082	2.000	13.7	20.0
1 16	4 58.99	+23 2.0	1.152	2.009	18.3	20.3

209946 2006 DA_{98} 12 13.5 124°.79 5°.1/13.3 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 52.73	+ 8 13.8	2.067	2.851	14.3	20.5
11 17	5 47.14	+ 7 57.9	1.998	2.864	11.4	20.3
11 27	5 39.38	+ 7 51.7	1.951	2.876	8.3	20.1
12 7	5 30.15	+ 7 56.9	1.932	2.888	5.7	20.0
12 17	5 20.36	+ 8 14.4	1.941	2.900	5.3	20.0
12 27	5 11.05	+ 8 44.0	1.979	2.911	7.5	20.1
1 6	5 3.14	+ 9 24.2	2.045	2.922	10.4	20.3
1 16	4 57.30	+10 12.6	2.135	2.932	13.2	20.6

151928 2004 FG_{19} 12 13.5 169°.45 0°.1/13.5 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 56.16	+23 43.7	1.886	2.685	15.0	21.4
11 17	5 50.24	+23 36.6	1.805	2.689	11.5	21.1
11 27	5 41.63	+23 26.9	1.747	2.692	7.5	20.9
12 7	5 31.13	+23 13.7	1.716	2.695	3.0	20.6
12 17	5 19.84	+22 57.0	1.715	2.697	1.6	20.5
12 27	5 9.10	+22 38.2	1.743	2.699	6.2	20.8
1 6	5 0.09	+22 19.8	1.799	2.699	10.3	21.1
1 16	4 53.62	+22 4.3	1.880	2.700	13.9	21.3

138394 2000 HA_{4} 12 13.5 355°.81 0°.8/13.4 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 51.21	+21 55.9	1.789	2.601	15.1	20.1
11 17	5 46.60	+21 44.8	1.709	2.600	11.7	19.9
11 27	5 39.35	+21 32.6	1.652	2.600	7.6	19.6
12 7	5 30.23	+21 19.2	1.620	2.599	3.1	19.3
12 17	5 20.31	+21 5.1	1.617	2.599	1.9	19.2
12 27	5 10.89	+20 51.6	1.642	2.599	6.3	19.5
1 6	5 3.12	+20 40.6	1.695	2.599	10.6	19.8
1 16	4 57.82	+20 33.9	1.771	2.599	14.2	20.0

479466 2013 YB_{140} 12 13.5 339°.64 1°.0/13.5 18 R

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 50.39	+20 55.1	1.235	2.073	19.1	21.0
11 17	5 47.17	+20 55.2	1.159	2.064	14.8	20.7
11 27	5 40.36	+20 56.7	1.102	2.055	9.7	20.4
12 7	5 30.82	+20 59.3	1.068	2.048	4.1	20.1
12 17	5 19.96	+21 2.4	1.059	2.041	2.4	19.9
12 27	5 9.65	+21 6.6	1.075	2.036	8.2	20.3
1 6	5 1.59	+21 13.5	1.115	2.031	13.7	20.6
1 16	4 56.92	+21 24.5	1.175	2.027	18.4	20.8

418635 2008 TA_{48} 12 13.5 103°.22 2°.9/12.8 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 49.15	+15 13.4	2.515	3.307	11.8	22.2
11 17	5 44.05	+14 33.3	2.444	3.321	9.2	22.1
11 27	5 37.21	+13 55.7	2.398	3.335	6.2	21.9
12 7	5 29.24	+13 22.1	2.380	3.349	3.6	21.7
12 17	5 20.88	+12 54.4	2.392	3.363	3.3	21.8
12 27	5 12.94	+12 34.1	2.435	3.376	5.7	21.9
1 6	5 6.16	+12 21.9	2.506	3.389	8.5	22.1
1 16	5 1.07	+12 18.1	2.602	3.402	11.0	22.3

446435 2014 JX_{39} 12 13.5 105°.09 3°.4/13.1 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 51.90	+14 33.0	1.985	2.785	14.3	21.7
11 17	5 46.61	+14 5.4	1.917	2.798	11.1	21.5
11 27	5 39.08	+13 42.0	1.871	2.810	7.6	21.3
12 7	5 30.05	+13 24.5	1.852	2.823	4.3	21.2
12 17	5 20.46	+13 14.4	1.863	2.835	3.8	21.2
12 27	5 11.41	+13 12.6	1.902	2.847	6.7	21.4
1 6	5 3.84	+13 19.4	1.969	2.858	10.1	21.6
1 16	4 58.43	+13 34.3	2.060	2.870	13.2	21.8

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
458064 2009 YT_8			12 13.5 336°.04		1°.2/13.8 16	
	h m	° ′			°	m
11 7	5 49.18	+28 15.5	1.855	2.666	14.7	21.0
11 17	5 45.15	+27 54.6	1.764	2.654	11.4	20.8
11 27	5 38.48	+27 26.1	1.696	2.642	7.6	20.5
12 7	5 29.91	+26 49.4	1.654	2.631	3.3	20.2
12 17	5 20.50	+26 5.1	1.639	2.621	1.9	20.1
12 27	5 11.56	+25 15.8	1.654	2.611	6.1	20.4
1 6	5 4.26	+24 25.7	1.695	2.603	10.3	20.6
1 16	4 59.41	+23 38.8	1.760	2.594	14.0	20.8
447662 2006 WL_{57}			12 13.5 242°.40		4°.0/12.6 18	
11 7	5 50.62	+14 52.4	2.010	2.812	14.1	21.0
11 17	5 45.76	+13 56.8	1.926	2.808	11.0	20.8
11 27	5 38.63	+13 3.0	1.864	2.803	7.7	20.5
12 7	5 29.91	+12 13.9	1.830	2.798	4.6	20.3
12 17	5 20.52	+11 32.6	1.824	2.793	4.4	20.3
12 27	5 11.54	+11 1.7	1.848	2.788	7.3	20.5
1 6	5 3.95	+10 43.0	1.899	2.783	10.7	20.7
1 16	4 58.48	+10 36.5	1.973	2.778	13.9	20.9
262573 2006 VZ_{57}			12 13.5	5°.65	0°.6/13.5 18	
11 7	5 50.96	+20 52.8	1.741	2.555	15.4	20.5
11 17	5 46.51	+21 2.6	1.663	2.555	11.9	20.3
11 27	5 39.36	+21 13.8	1.608	2.556	7.7	20.0
12 7	5 30.27	+21 25.5	1.578	2.556	3.2	19.7
12 17	5 20.32	+21 36.9	1.575	2.558	1.8	19.6
12 27	5 10.84	+21 48.0	1.602	2.559	6.4	20.0
1 6	5 3.03	+21 59.5	1.655	2.561	10.7	20.2
1 16	4 57.73	+22 12.5	1.731	2.563	14.3	20.4
277094 2005 EN_{261}			12 13.5 312°.79		6°.8/12.1 16	
11 7	5 46.62	+ 6 5.3	2.081	2.873	14.0	21.3
11 17	5 42.72	+ 5 8.5	1.990	2.856	11.5	21.1
11 27	5 36.71	+ 4 20.0	1.922	2.839	8.9	20.9
12 7	5 29.17	+ 3 43.9	1.879	2.822	7.1	20.7
12 17	5 20.90	+ 3 23.8	1.863	2.806	7.0	20.7
12 27	5 12.87	+ 3 21.8	1.874	2.790	9.0	20.8
1 6	5 6.03	+ 3 37.6	1.911	2.774	11.7	20.9
1 16	5 1.09	+ 4 9.3	1.970	2.759	14.5	21.1
327153 2005 GO_{84}			12 13.5 102°.44		12°.2/15.4 18	
11 7	6 15.68	+51 30.2	1.744	2.462	19.0	20.7
11 17	6 7.44	+53 29.7	1.695	2.487	16.6	20.6
11 27	5 53.94	+55 7.8	1.666	2.511	14.3	20.5
12 7	5 36.38	+56 11.8	1.660	2.534	12.7	20.5
12 17	5 17.09	+56 33.4	1.678	2.557	12.2	20.5
12 27	4 59.09	+56 12.5	1.720	2.579	13.1	20.6
1 6	4 44.89	+55 18.0	1.786	2.600	14.7	20.8
1 16	4 35.75	+54 2.6	1.872	2.621	16.6	20.9
176288 2001 SL_{39}			12 13.5 104°.70		4°.1/13.0 18	
11 7	5 51.42	+11 57.7	2.118	2.911	13.8	20.3
11 17	5 46.07	+11 28.4	2.052	2.926	10.8	20.2
11 27	5 38.65	+11 5.2	2.009	2.942	7.6	20.0
12 7	5 29.87	+10 49.9	1.993	2.957	4.8	19.9
12 17	5 20.60	+10 43.8	2.006	2.972	4.4	19.9
12 27	5 11.83	+10 47.8	2.049	2.987	6.8	20.0
1 6	5 4.45	+11 1.5	2.119	3.002	9.9	20.3
1 16	4 59.06	+11 24.0	2.214	3.016	12.7	20.5
417373 2006 GJ_{55}			12 13.5 145°.92		4°.0/13.9 18	
11 7	5 53.11	+34 23.1	2.462	3.240	12.5	21.5
11 17	5 47.69	+35 6.6	2.379	3.243	9.9	21.3
11 27	5 39.93	+35 43.4	2.319	3.245	7.1	21.1
12 7	5 30.48	+36 9.9	2.287	3.247	4.7	21.0
12 17	5 20.26	+36 23.7	2.284	3.248	4.1	20.9
12 27	5 10.41	+36 24.2	2.311	3.250	6.1	21.1
1 6	5 1.95	+36 13.7	2.366	3.252	8.8	21.2
1 16	4 55.64	+35 55.4	2.446	3.254	11.4	21.4
136536 2006 LJ_5			12 13.5 100°.37		4°.3/13.5 18	
11 7	5 53.42	+ 9 57.1	1.992	2.780	14.7	19.9
11 17	5 47.73	+ 9 55.4	1.926	2.798	11.6	19.8
11 27	5 39.80	+10 2.8	1.884	2.815	8.1	19.6
12 7	5 30.37	+10 20.6	1.868	2.832	5.1	19.4
12 17	5 20.38	+10 48.6	1.882	2.848	4.6	19.4
12 27	5 10.91	+11 26.0	1.925	2.865	7.1	19.6
1 6	5 2.93	+12 11.3	1.995	2.881	10.3	19.9
1 16	4 57.11	+13 2.3	2.091	2.896	13.2	20.1
16883 1998 BA_{20}			12 13.5 74°.58		0°.1/13.5 18	
11 7	5 51.89	+23 10.3	1.930	2.737	14.4	18.9
11 17	5 46.90	+23 7.8	1.856	2.744	11.1	18.7
11 27	5 39.44	+23 3.8	1.804	2.751	7.2	18.5
12 7	5 30.27	+22 57.5	1.779	2.758	2.9	18.3
12 17	5 20.42	+22 48.8	1.783	2.765	1.5	18.2
12 27	5 11.10	+22 38.8	1.815	2.772	5.8	18.5
1 6	5 3.37	+22 29.2	1.876	2.779	9.8	18.7
1 16	4 57.97	+22 22.0	1.961	2.786	13.1	19.0

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
368292 2002 NV_{80}			12 13.5 116°.61		5°.0/12.3 18	
	h m	° ′			°	m
11 7	5 48.55	+ 8 32.6	2.557	3.338	12.0	20.9
11 17	5 43.57	+ 7 35.1	2.486	3.349	9.6	20.7
11 27	5 36.91	+ 6 43.6	2.441	3.360	7.2	20.6
12 7	5 29.16	+ 6 1.1	2.422	3.371	5.3	20.5
12 17	5 21.02	+ 5 30.0	2.434	3.382	5.3	20.5
12 27	5 13.26	+ 5 11.9	2.474	3.392	7.0	20.6
1 6	5 6.59	+ 5 6.9	2.543	3.402	9.3	20.8
1 16	5 1.53	+ 5 14.0	2.635	3.412	11.6	21.0
44020 1997 WS_{39}			12 13.5 45°.34		1°.9/13.4 18	
11 7	5 53.95	+18 38.0	1.267	2.096	19.2	17.4
11 17	5 49.28	+18 38.4	1.216	2.115	14.7	17.2
11 27	5 41.29	+18 42.8	1.185	2.135	9.6	16.9
12 7	5 31.05	+18 50.7	1.177	2.156	4.2	16.7
12 17	5 20.07	+19 1.8	1.196	2.177	2.8	16.7
12 27	5 10.04	+19 16.0	1.241	2.198	7.8	17.0
1 6	5 2.36	+19 33.8	1.310	2.220	12.5	17.4
1 16	4 57.85	+19 55.3	1.402	2.243	16.5	17.7
163879 2003 SY_{168}			12 13.5 88°.76		0°.4/13.5 18	
11 7	5 55.28	+20 30.4	1.757	2.562	15.6	19.9
11 17	5 49.65	+20 55.2	1.691	2.578	12.0	19.7
11 27	5 41.29	+21 22.1	1.647	2.593	7.8	19.5
12 7	5 31.03	+21 49.3	1.630	2.609	3.1	19.3
12 17	5 20.04	+22 15.0	1.642	2.624	1.7	19.2
12 27	5 9.67	+22 38.7	1.683	2.639	6.3	19.5
1 6	5 1.09	+23 0.5	1.751	2.654	10.4	19.8
1 16	4 55.11	+23 21.6	1.844	2.668	13.9	20.1
107603 2001 EN_2			12 13.5 256°.13		2°.1/13.6 18	
11 7	5 54.77	+26 40.4	1.892	2.693	14.9	20.0
11 17	5 49.59	+27 20.8	1.800	2.683	11.6	19.7
11 27	5 41.53	+28 0.0	1.730	2.673	7.8	19.5
12 7	5 31.26	+28 34.3	1.688	2.663	3.7	19.2
12 17	5 19.86	+29 0.6	1.674	2.653	2.6	19.1
12 27	5 8.76	+29 17.6	1.689	2.643	6.5	19.3
1 6	4 59.28	+29 26.6	1.732	2.632	10.6	19.6
1 16	4 52.42	+29 30.3	1.799	2.621	14.3	19.8
327557 2006 CT_{42}			12 13.5 294°.85		4°.8/12.7 18	
11 7	5 47.98	+10 35.5	2.166	2.962	13.4	21.1
11 17	5 43.65	+ 9 56.1	2.078	2.953	10.7	20.9
11 27	5 37.27	+ 9 22.5	2.013	2.943	7.7	20.7
12 7	5 29.41	+ 8 57.5	1.974	2.934	5.3	20.5
12 17	5 20.89	+ 8 43.3	1.964	2.925	5.1	20.5
12 27	5 12.67	+ 8 41.4	1.983	2.916	7.4	20.6
1 6	5 5.64	+ 8 51.8	2.028	2.907	10.4	20.8
1 16	5 0.50	+ 9 13.6	2.097	2.898	13.3	21.0
324085 2005 WJ_{102}			12 13.5 44°.44		0°.1/13.6 18	
11 7	5 50.97	+22 57.6	1.940	2.748	14.3	20.8
11 17	5 46.21	+23 5.5	1.866	2.755	11.0	20.6
11 27	5 39.02	+23 12.6	1.815	2.762	7.1	20.4
12 7	5 30.13	+23 17.8	1.790	2.769	2.9	20.2
12 17	5 20.54	+23 20.6	1.794	2.776	1.5	20.1
12 27	5 11.44	+23 21.4	1.827	2.784	5.8	20.4
1 6	5 3.89	+23 21.4	1.887	2.791	9.7	20.6
1 16	4 58.65	+23 22.4	1.972	2.799	13.0	20.9
269862 2000 EN_{15}			12 13.5 79°.05		19°.6/16.9 17	
11 7	5 57.01	−16 43.7	1.154	1.888	26.1	19.9
11 17	5 51.87	−18 4.6	1.110	1.896	23.9	19.7
11 27	5 43.12	−18 44.6	1.080	1.905	21.8	19.6
12 7	5 31.85	−18 32.3	1.065	1.914	20.2	19.6
12 17	5 19.65	−17 22.0	1.068	1.922	19.6	19.5
12 27	5 8.40	−15 16.3	1.090	1.931	20.2	19.6
1 6	4 59.65	−12 26.9	1.131	1.940	21.8	19.8
1 16	4 54.33	− 9 9.3	1.189	1.948	23.7	19.9
185585 2008 BF_{23}			12 13.5 100°.32		3°.5/13.2 18	
11 7	5 50.72	+13 52.5	1.996	2.796	14.2	20.6
11 17	5 45.82	+13 32.7	1.921	2.802	11.1	20.4
11 27	5 38.67	+13 18.0	1.869	2.808	7.6	20.2
12 7	5 29.96	+13 10.0	1.844	2.814	4.4	20.1
12 17	5 20.63	+13 9.7	1.848	2.820	3.9	20.0
12 27	5 11.75	+13 17.7	1.880	2.825	6.8	20.2
1 6	5 4.29	+13 33.9	1.940	2.831	10.2	20.5
1 16	4 58.94	+13 57.6	2.024	2.836	13.3	20.7
187913 2000 VM_{39}			12 13.5 35°.29		3°.8/12.7 18	
11 7	5 49.81	+16 13.8	1.734	2.548	15.5	19.7
11 17	5 45.35	+15 18.5	1.668	2.557	12.0	19.5
11 27	5 38.43	+14 25.3	1.624	2.567	8.2	19.3
12 7	5 29.87	+13 37.2	1.606	2.577	4.6	19.1
12 17	5 20.72	+12 57.3	1.615	2.588	4.3	19.1
12 27	5 12.18	+12 28.4	1.653	2.599	7.5	19.3
1 6	5 5.28	+12 11.8	1.717	2.610	11.2	19.5
1 16	5 0.73	+12 7.5	1.804	2.622	14.4	19.8

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
479565 2014 CP_6			12 13.5 250°.92		2°.1/13.4 18	
	h m	° ′			°	m
11 7	5 53.50	+17 50.4	1.647	2.458	16.3	21.6
11 17	5 48.66	+17 48.9	1.563	2.453	12.6	21.4
11 27	5 40.90	+17 51.1	1.502	2.448	8.4	21.1
12 7	5 31.00	+17 57.0	1.465	2.442	3.9	20.8
12 17	5 20.07	+18 6.7	1.457	2.437	2.8	20.7
12 27	5 9.57	+18 20.3	1.477	2.431	7.2	21.0
1 6	5 0.82	+18 38.0	1.523	2.425	11.7	21.2
1 16	4 54.76	+19 0.3	1.592	2.419	15.6	21.5
389494 2010 FJ_6			12 13.6 142°.42		1°.5/13.7 18	
11 7	5 56.11	+27 2.1	2.118	2.909	13.8	22.1
11 17	5 50.00	+27 20.3	2.042	2.920	10.7	22.0
11 27	5 41.40	+27 34.7	1.989	2.930	7.0	21.7
12 7	5 31.08	+27 43.3	1.964	2.940	3.2	21.5
12 17	5 20.07	+27 44.5	1.969	2.949	2.0	21.5
12 27	5 9.58	+27 38.8	2.004	2.957	5.6	21.7
1 6	5 0.69	+27 28.3	2.067	2.965	9.3	22.0
1 16	4 54.15	+27 16.0	2.156	2.973	12.4	22.2
370363 2002 SQ_{63}			12 13.6 66°.00		3°.6/13.9 17	
11 7	5 52.37	+32 56.1	2.327	3.113	12.9	20.8
11 17	5 47.17	+33 34.0	2.248	3.118	10.2	20.6
11 27	5 39.61	+34 5.5	2.193	3.124	7.2	20.4
12 7	5 30.38	+34 27.4	2.165	3.130	4.4	20.2
12 17	5 20.43	+34 37.3	2.166	3.136	3.7	20.2
12 27	5 10.89	+34 35.3	2.197	3.141	6.0	20.4
1 6	5 2.80	+34 23.4	2.256	3.147	8.9	20.6
1 16	4 56.91	+34 5.1	2.339	3.153	11.7	20.8
273971 2007 LK_8			12 13.6 217°.84		2°.1/13.4 18	
11 7	5 49.74	+15 50.5	2.496	3.288	11.9	21.3
11 17	5 44.77	+15 52.2	2.405	3.284	9.3	21.1
11 27	5 37.90	+15 57.6	2.339	3.279	6.2	20.9
12 7	5 29.66	+16 7.1	2.300	3.274	3.1	20.7
12 17	5 20.80	+16 20.5	2.292	3.269	2.5	20.6
12 27	5 12.21	+16 37.9	2.314	3.263	5.4	20.8
1 6	5 4.70	+16 59.2	2.365	3.258	8.5	21.0
1 16	4 58.92	+17 24.2	2.442	3.252	11.4	21.2
152597 1995 TP_6			12 13.6 71°.64		0°.6/13.6 18	
11 7	5 51.80	+24 58.3	2.007	2.811	14.0	20.9
11 17	5 46.78	+24 59.9	1.933	2.819	10.8	20.7
11 27	5 39.35	+24 58.6	1.881	2.827	7.0	20.4
12 7	5 30.26	+24 53.4	1.857	2.835	2.9	20.2
12 17	5 20.52	+24 44.1	1.861	2.843	1.5	20.1
12 27	5 11.30	+24 31.5	1.895	2.851	5.6	20.4
1 6	5 3.64	+24 17.7	1.957	2.860	9.4	20.7
1 16	4 58.25	+24 5.0	2.043	2.868	12.7	20.9
236766 2007 OB_3			12 13.6 113°.84		0°.8/13.4 18	
11 7	5 54.87	+21 53.7	1.893	2.695	14.8	20.4
11 17	5 49.09	+21 39.3	1.824	2.710	11.4	20.2
11 27	5 40.80	+21 23.6	1.778	2.724	7.4	20.0
12 7	5 30.82	+21 6.7	1.759	2.738	3.0	19.7
12 17	5 20.24	+20 49.0	1.770	2.751	1.8	19.7
12 27	5 10.30	+20 32.0	1.809	2.764	6.0	20.0
1 6	5 2.07	+20 17.7	1.877	2.777	10.0	20.2
1 16	4 56.24	+20 8.0	1.969	2.789	13.3	20.5
326562 2002 PD_{175}			12 13.6 141°.40		0°.1/13.6 17	
11 7	5 50.44	+22 41.1	2.602	3.394	11.5	21.4
11 17	5 45.23	+22 52.2	2.520	3.401	8.8	21.3
11 27	5 38.13	+23 2.8	2.463	3.407	5.7	21.1
12 7	5 29.74	+23 11.9	2.434	3.413	2.3	20.9
12 17	5 20.80	+23 19.1	2.436	3.419	1.2	20.8
12 27	5 12.21	+23 24.5	2.469	3.424	4.6	21.0
1 6	5 4.75	+23 28.8	2.531	3.429	7.8	21.2
1 16	4 59.05	+23 33.1	2.620	3.434	10.5	21.4
233923 2009 TD_{20}			12 13.6 95°.39		0°.5/13.5 18	
11 7	5 51.09	+22 1.9	2.348	3.144	12.5	20.9
11 17	5 45.77	+21 55.5	2.277	3.160	9.5	20.7
11 27	5 38.47	+21 48.3	2.232	3.176	6.1	20.5
12 7	5 29.85	+21 39.9	2.214	3.192	2.5	20.3
12 17	5 20.76	+21 30.6	2.226	3.208	1.4	20.3
12 27	5 12.16	+21 21.4	2.268	3.223	5.0	20.5
1 6	5 4.86	+21 13.4	2.340	3.238	8.3	20.8
1 16	4 59.49	+21 8.0	2.437	3.253	11.2	21.0
292897 2006 VF_{41}			12 13.6 288°.73		1°.1/13.4 18	
11 7	5 51.04	+21 6.9	1.927	2.735	14.4	21.2
11 17	5 46.35	+20 53.0	1.841	2.730	11.1	21.0
11 27	5 39.19	+20 38.5	1.778	2.725	7.2	20.8
12 7	5 30.25	+20 23.6	1.742	2.720	3.1	20.5
12 17	5 20.53	+20 8.8	1.734	2.716	1.9	20.4
12 27	5 11.21	+19 55.4	1.756	2.711	6.1	20.7
1 6	5 3.41	+19 45.2	1.804	2.706	10.2	20.9
1 16	4 57.90	+19 39.7	1.877	2.702	13.7	21.1

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
415130 2012 DA_{38}			12 13.6 154°.98		3°.2/13.9 17	
	h m	° ′			°	m
11 7	5 53.98	+32 7.1	2.472	3.252	12.4	21.2
11 17	5 48.27	+32 44.9	2.389	3.257	9.7	21.0
11 27	5 40.28	+33 17.2	2.331	3.262	6.8	20.8
12 7	5 30.66	+33 40.8	2.300	3.266	4.1	20.6
12 17	5 20.32	+33 53.4	2.299	3.270	3.4	20.6
12 27	5 10.35	+33 54.8	2.328	3.273	5.7	20.8
1 6	5 1.75	+33 46.8	2.386	3.276	8.6	21.0
1 16	4 55.27	+33 32.7	2.470	3.279	11.3	21.1
132861 2002 RO_{74}			12 13.6 28°.03		4°.7/12.9 18	
11 7	5 47.75	+10 11.5	2.154	2.950	13.4	19.5
11 17	5 43.39	+ 9 39.2	2.079	2.953	10.7	19.3
11 27	5 37.04	+ 9 13.9	2.027	2.957	7.7	19.1
12 7	5 29.32	+ 8 57.8	2.001	2.961	5.2	19.0
12 17	5 21.04	+ 8 52.9	2.004	2.965	5.0	19.0
12 27	5 13.14	+ 8 59.8	2.035	2.969	7.2	19.1
1 6	5 6.49	+ 9 18.1	2.093	2.973	10.1	19.3
1 16	5 1.70	+ 9 46.5	2.175	2.978	12.8	19.5
356064 2009 DS_{50}			12 13.6 319°.73		8°.6/14.5 17	
11 7	5 57.31	+42 8.3	1.685	2.463	17.3	20.8
11 17	5 52.57	+43 15.6	1.603	2.455	14.5	20.6
11 27	5 43.98	+44 9.2	1.541	2.446	11.6	20.4
12 7	5 32.40	+44 41.0	1.503	2.438	9.2	20.2
12 17	5 19.35	+44 44.7	1.489	2.431	8.6	20.2
12 27	5 6.87	+44 19.4	1.502	2.424	10.3	20.3
1 6	4 56.82	+43 30.4	1.539	2.417	13.2	20.4
1 16	4 50.40	+42 26.3	1.598	2.410	16.3	20.6
45584 2000 CY_{88}			12 13.6 332°.20		9°.6/12.7 18	
11 7	5 47.58	− 6 22.8	2.322	3.059	14.3	19.4
11 17	5 43.13	− 7 13.9	2.251	3.058	12.5	19.2
11 27	5 36.82	− 7 48.3	2.200	3.056	10.8	19.1
12 7	5 29.22	− 8 1.6	2.173	3.055	9.8	19.0
12 17	5 21.09	− 7 50.8	2.171	3.054	9.7	19.0
12 27	5 13.28	− 7 15.6	2.195	3.053	10.7	19.1
1 6	5 6.60	− 6 18.5	2.244	3.052	12.3	19.2
1 16	5 1.63	− 5 3.5	2.314	3.051	14.1	19.3
3935 Toatenmongakkai			12 13.6 21°.01		5°.1/14.8 18	R
11 7	5 52.85	+35 24.5	1.153	1.981	20.7	14.7
11 17	5 49.31	+35 22.3	1.098	1.992	16.5	14.5
11 27	5 41.70	+35 2.9	1.062	2.004	11.6	14.3
12 7	5 31.32	+34 22.5	1.048	2.017	6.9	14.0
12 17	5 20.06	+33 21.0	1.058	2.032	5.2	14.0
12 27	5 10.07	+32 4.1	1.092	2.049	8.7	14.2
1 6	5 2.97	+30 41.0	1.150	2.066	13.3	14.6
1 16	4 59.60	+29 20.8	1.229	2.085	17.4	14.9
517240 2014 DG_{24}			12 13.6 317°.85		0°.3/13.5 18	
11 7	5 51.12	+22 24.0	1.338	2.169	18.2	21.5
11 17	5 47.72	+22 28.0	1.251	2.152	14.2	21.2
11 27	5 40.80	+22 32.0	1.184	2.136	9.4	20.8
12 7	5 31.13	+22 34.8	1.140	2.120	3.9	20.5
12 17	5 20.03	+22 35.6	1.122	2.105	2.1	20.3
12 27	5 9.29	+22 34.9	1.130	2.090	7.9	20.6
1 6	5 0.64	+22 34.5	1.162	2.076	13.4	20.9
1 16	4 55.28	+22 37.0	1.215	2.063	18.1	21.1
316346 2010 RR_{147}			12 13.6 355°.44		1°.8/13.8 17	
11 7	5 51.93	+27 14.4	1.820	2.628	15.1	20.6
11 17	5 47.34	+27 35.1	1.739	2.627	11.7	20.4
11 27	5 39.98	+27 52.1	1.681	2.626	7.8	20.2
12 7	5 30.62	+28 3.1	1.649	2.625	3.6	19.9
12 17	5 20.36	+28 6.2	1.644	2.624	2.4	19.8
12 27	5 10.57	+28 1.6	1.668	2.624	6.3	20.1
1 6	5 2.48	+27 51.7	1.719	2.624	10.4	20.3
1 16	4 56.98	+27 39.6	1.794	2.625	13.9	20.6
469326 1999 VH_{191}			12 13.6 57°.43		1°.5/13.7 18	
11 7	5 58.70	+25 32.1	1.205	2.030	20.2	20.8
11 17	5 53.16	+25 52.8	1.159	2.056	15.5	20.6
11 27	5 43.89	+26 9.9	1.133	2.082	10.1	20.4
12 7	5 32.14	+26 20.0	1.131	2.109	4.3	20.2
12 17	5 19.66	+26 21.2	1.154	2.136	2.5	20.1
12 27	5 8.41	+26 14.8	1.204	2.163	7.8	20.5
1 6	4 59.92	+26 4.5	1.278	2.189	12.7	20.9
1 16	4 55.00	+25 54.2	1.374	2.216	16.8	21.2
96264 1995 SF_{17}			12 13.6 15°.95		4°.3/13.2 18	
11 7	5 47.99	+15 44.5	1.155	1.998	19.7	18.2
11 17	5 45.06	+15 11.4	1.099	2.005	15.4	18.0
11 27	5 38.78	+14 44.4	1.063	2.013	10.4	17.7
12 7	5 30.16	+14 26.3	1.048	2.023	5.6	17.5
12 17	5 20.64	+14 19.4	1.058	2.034	4.8	17.5
12 27	5 11.96	+14 25.0	1.093	2.047	9.0	17.8
1 6	5 5.53	+14 42.7	1.150	2.061	13.8	18.1
1 16	5 2.25	+15 10.8	1.227	2.077	17.9	18.4

399106 2014 DU_{62} 12 13.6 295°.25 0°.6/13.6 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
11 7	5 53.05	+23 57.6	1.552	2.370	16.8	21.7
11 17	5 48.78	+24 8.9	1.461	2.355	13.1	21.4
11 27	5 41.27	+24 19.1	1.391	2.340	8.6	21.2
12 7	5 31.27	+24 26.3	1.346	2.325	3.6	20.8
12 17	5 19.97	+24 28.9	1.328	2.310	1.9	20.7
12 27	5 9.02	+24 27.1	1.337	2.295	7.2	21.0
1 6	4 59.95	+24 23.0	1.372	2.281	12.2	21.2
1 16	4 53.87	+24 19.4	1.429	2.267	16.5	21.4

494892 2008 TW_{135} 12 13.6 263°.54 6°.2/11.5 17

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 47.80	+ 6 17.8	2.441	3.221	12.5	21.5
11 17	5 43.21	+ 5 0.8	2.358	3.216	10.3	21.4
11 27	5 36.84	+ 3 50.2	2.300	3.211	8.0	21.2
12 7	5 29.23	+ 2 50.0	2.269	3.207	6.4	21.1
12 17	5 21.11	+ 2 3.8	2.267	3.202	6.5	21.1
12 27	5 13.30	+ 1 34.2	2.293	3.197	8.2	21.2
1 6	5 6.56	+ 1 21.5	2.346	3.193	10.5	21.3
1 16	5 1.47	+ 1 24.8	2.422	3.188	12.8	21.5

146979 2002 NJ_{48} 12 13.6 323°.05 17°.1/19.4 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	6 12.57	+60 7.1	1.340	2.056	23.8	18.8
11 17	6 7.62	+61 10.1	1.263	2.040	21.9	18.6
11 27	5 55.32	+61 41.0	1.199	2.026	19.9	18.4
12 7	5 37.23	+61 22.6	1.151	2.012	18.1	18.3
12 17	5 16.99	+60 2.1	1.122	1.999	17.2	18.2
12 27	4 59.19	+57 38.9	1.114	1.986	17.6	18.1
1 6	4 47.08	+54 27.9	1.127	1.975	19.2	18.2
1 16	4 41.64	+50 50.7	1.160	1.964	21.6	18.3

164035 2003 UH_{254} 12 13.6 113°.11 0°.3/13.6 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 55.31	+24 15.0	1.974	2.773	14.4	21.5
11 17	5 49.39	+24 17.0	1.905	2.789	11.1	21.3
11 27	5 41.00	+24 16.6	1.860	2.804	7.2	21.1
12 7	5 30.93	+24 12.7	1.841	2.819	2.9	20.9
12 17	5 20.25	+24 4.7	1.852	2.834	1.5	20.8
12 27	5 10.19	+23 53.8	1.893	2.849	5.7	21.1
1 6	5 1.80	+23 42.0	1.962	2.862	9.6	21.4
1 16	4 55.81	+23 31.5	2.056	2.876	12.8	21.6

386057 2007 FH_{37} 12 13.6 273°.91 0°.4/13.6 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 54.29	+23 30.5	1.662	2.473	16.1	21.5
11 17	5 49.57	+23 41.7	1.566	2.456	12.6	21.3
11 27	5 41.72	+23 52.3	1.491	2.438	8.3	21.0
12 7	5 31.44	+24 0.4	1.442	2.421	3.4	20.6
12 17	5 19.88	+24 4.6	1.420	2.403	1.8	20.5
12 27	5 8.59	+24 4.8	1.427	2.384	7.0	20.8
1 6	4 59.06	+24 2.9	1.460	2.366	11.8	21.0
1 16	4 52.38	+24 1.4	1.517	2.348	16.0	21.2

430929 2005 TK_{190} 12 13.6 121°.75 3°.1/13.9 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 58.93	+30 30.8	1.768	2.563	16.0	21.9
11 17	5 52.69	+30 58.8	1.699	2.576	12.5	21.7
11 27	5 43.40	+31 19.9	1.652	2.590	8.5	21.5
12 7	5 31.96	+31 30.3	1.631	2.602	4.6	21.3
12 17	5 19.70	+31 27.7	1.639	2.615	3.4	21.3
12 27	5 8.18	+31 12.8	1.675	2.626	6.8	21.5
1 6	4 58.71	+30 49.3	1.739	2.638	10.7	21.8
1 16	4 52.17	+30 22.1	1.827	2.649	14.1	22.0

414317 2008 RJ_{124} 12 13.6 50°.13 1°.6/13.8 16

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 51.17	+27 46.5	2.079	2.880	13.7	21.8
11 17	5 46.27	+27 56.4	2.007	2.891	10.6	21.6
11 27	5 39.01	+28 1.8	1.959	2.902	7.0	21.4
12 7	5 30.14	+28 1.0	1.937	2.913	3.2	21.2
12 17	5 20.66	+27 53.3	1.944	2.924	2.1	21.1
12 27	5 11.71	+27 39.5	1.981	2.936	5.5	21.4
1 6	5 4.29	+27 21.9	2.045	2.948	9.1	21.6
1 16	4 59.11	+27 3.4	2.134	2.960	12.2	21.8

233713 2008 SG_{107} 12 13.6 78°.75 4°.4/13.9 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 55.90	+ 9 59.3	1.574	2.373	17.4	20.1
11 17	5 50.32	+10 21.7	1.508	2.386	13.7	19.9
11 27	5 41.85	+10 57.2	1.463	2.399	9.6	19.7
12 7	5 31.35	+11 45.9	1.444	2.412	5.6	19.5
12 17	5 20.02	+12 46.1	1.452	2.424	4.6	19.4
12 27	5 9.30	+13 54.9	1.490	2.437	7.9	19.7
1 6	5 0.45	+15 8.9	1.554	2.450	11.9	19.9
1 16	4 54.33	+16 24.8	1.642	2.462	15.5	20.2

443323 2014 FB_{64} 12 13.6 81°.58 2°.7/13.0 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 52.89	+18 49.9	1.682	2.494	16.0	20.4
11 17	5 47.88	+18 5.3	1.610	2.500	12.3	20.2
11 27	5 40.18	+17 20.5	1.561	2.507	8.2	19.9
12 7	5 30.64	+16 37.7	1.538	2.513	4.0	19.7
12 17	5 20.41	+15 59.3	1.542	2.519	3.3	19.7
12 27	5 10.81	+15 28.4	1.575	2.526	7.2	19.9
1 6	5 2.99	+15 6.9	1.634	2.532	11.3	20.2
1 16	4 57.73	+14 55.8	1.717	2.538	14.9	20.4

59440 1999 GL_{24} 12 13.6 259°.31 0°.1/13.6 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
11 7	5 54.20	+22 34.0	1.776	2.583	15.4	20.1
11 17	5 49.23	+22 41.8	1.681	2.570	12.0	19.8
11 27	5 41.35	+22 49.2	1.609	2.555	7.9	19.5
12 7	5 31.25	+22 55.2	1.562	2.541	3.2	19.2
12 17	5 20.02	+22 58.6	1.544	2.526	1.7	19.1
12 27	5 9.09	+22 59.6	1.554	2.511	6.6	19.4
1 6	4 59.81	+22 59.7	1.592	2.495	11.2	19.6
1 16	4 53.18	+23 1.1	1.653	2.480	15.1	19.8

14011 1993 US 12 13.6 93°.42 1°.0/13.4 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 52.64	+20 46.5	1.893	2.698	14.7	18.9
11 17	5 47.47	+20 38.2	1.821	2.708	11.3	18.7
11 27	5 39.83	+20 29.9	1.771	2.718	7.3	18.4
12 7	5 30.49	+20 21.8	1.749	2.727	3.1	18.2
12 17	5 20.50	+20 13.9	1.755	2.736	1.9	18.1
12 27	5 11.06	+20 7.4	1.791	2.746	6.1	18.4
1 6	5 3.23	+20 3.5	1.853	2.755	10.0	18.7
1 16	4 57.75	+20 3.5	1.941	2.764	13.4	18.9

326620 2002 RH_{163} 12 13.6 94°.28 0°.5/13.5 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 50.25	+21 49.5	2.457	3.253	12.0	21.5
11 17	5 45.08	+21 45.6	2.385	3.267	9.2	21.4
11 27	5 38.03	+21 41.1	2.338	3.282	5.9	21.2
12 7	5 29.71	+21 35.7	2.318	3.296	2.4	21.0
12 17	5 20.93	+21 29.7	2.329	3.311	1.4	20.9
12 27	5 12.58	+21 23.5	2.370	3.325	4.8	21.2
1 6	5 5.47	+21 18.5	2.440	3.339	8.0	21.4
1 16	5 0.17	+21 15.6	2.537	3.353	10.8	21.6

24012 1999 RO_{111} 12 13.6 60°.03 9°.5/13.3 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 51.93	+ 1 11.5	1.545	2.332	18.2	18.1
11 17	5 47.06	+ 0 16.0	1.495	2.350	15.2	18.0
11 27	5 39.58	− 0 21.4	1.464	2.369	12.1	17.8
12 7	5 30.38	− 0 35.5	1.457	2.387	9.9	17.8
12 17	5 20.60	− 0 23.6	1.474	2.406	9.6	17.8
12 27	5 11.54	+ 0 13.9	1.517	2.425	11.3	17.9
1 6	5 4.28	+ 1 12.9	1.584	2.444	13.9	18.1
1 16	4 59.54	+ 2 27.9	1.673	2.463	16.6	18.4

180850 2005 GX_{160} 12 13.6 190°.01 1°.9/13.7 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 58.41	+27 12.1	1.868	2.663	15.3	21.4
11 17	5 52.30	+27 37.4	1.782	2.662	11.9	21.2
11 27	5 43.23	+27 59.3	1.719	2.661	7.9	21.0
12 7	5 31.97	+28 14.7	1.683	2.658	3.7	20.7
12 17	5 19.70	+28 21.1	1.676	2.656	2.5	20.6
12 27	5 7.88	+28 18.5	1.698	2.652	6.5	20.9
1 6	4 57.87	+28 9.2	1.749	2.647	10.6	21.1
1 16	4 50.60	+27 56.9	1.823	2.642	14.3	21.3

161098 2002 PS_{118} 12 13.6 27°.23 1°.2/13.8 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 54.63	+27 51.4	1.269	2.096	19.3	19.5
11 17	5 50.26	+27 30.7	1.202	2.100	15.0	19.2
11 27	5 42.21	+27 1.1	1.156	2.105	9.9	19.0
12 7	5 31.58	+26 21.6	1.132	2.111	4.2	18.7
12 17	5 19.97	+25 33.0	1.135	2.117	2.3	18.6
12 27	5 9.29	+24 39.7	1.163	2.123	7.8	18.9
1 6	5 1.13	+23 47.5	1.216	2.130	13.0	19.2
1 16	4 56.43	+23 1.9	1.291	2.138	17.3	19.5

130595 2000 RP_{90} 12 13.6 355°.37 3°.7/12.7 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 49.51	+19 14.7	1.287	2.123	18.5	18.7
11 17	5 46.13	+18 7.3	1.215	2.118	14.4	18.5
11 27	5 39.47	+16 57.5	1.164	2.115	9.7	18.2
12 7	5 30.48	+15 49.3	1.137	2.113	5.0	17.9
12 17	5 20.52	+14 47.7	1.135	2.111	4.5	17.9
12 27	5 11.25	+13 57.9	1.158	2.111	8.9	18.1
1 6	5 4.12	+13 23.7	1.206	2.112	13.7	18.4
1 16	5 0.04	+13 6.0	1.274	2.113	18.0	18.7

900 Rosalinde 12 13.6 121°.56 6°.2/12.7 18 R

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 53.18	+ 7 50.8	1.899	2.686	15.3	16.1
11 17	5 47.64	+ 6 58.6	1.834	2.700	12.3	15.9
11 27	5 39.82	+ 6 15.5	1.791	2.713	9.2	15.8
12 7	5 30.47	+ 5 45.2	1.775	2.726	6.7	15.7
12 17	5 20.56	+ 5 30.4	1.787	2.738	6.5	15.7
12 27	5 11.21	+ 5 32.3	1.827	2.750	8.7	15.8
1 6	5 3.40	+ 5 49.9	1.893	2.762	11.6	16.0
1 16	4 57.80	+ 6 21.0	1.983	2.773	14.4	16.3

231272 2006 AK_{46} 12 13.6 185°.52 1°.1/13.4 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 54.43	+20 38.5	2.084	2.880	13.8	21.7
11 17	5 48.74	+20 29.5	1.998	2.881	10.7	21.5
11 27	5 40.65	+20 20.3	1.936	2.880	7.0	21.2
12 7	5 30.86	+20 11.0	1.902	2.879	3.0	21.0
12 17	5 20.33	+20 1.6	1.897	2.878	1.9	20.9
12 27	5 10.22	+19 53.2	1.922	2.875	5.9	21.2
1 6	5 1.57	+19 47.2	1.976	2.873	9.7	21.4
1 16	4 55.16	+19 45.1	2.054	2.869	13.0	21.6

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
312572 2009 HB_{42}		12 13.6 161°.16	0°.6/13.5 18			
	h m	° ′			°	m
11 7	5 52.52	+20 56.8	2.050	2.852	13.9	21.1
11 17	5 47.33	+21 3.3	1.969	2.854	10.7	20.9
11 27	5 39.77	+21 10.5	1.911	2.856	6.9	20.7
12 7	5 30.51	+21 17.7	1.879	2.858	2.9	20.4
12 17	5 20.52	+21 24.3	1.877	2.859	1.6	20.4
12 27	5 10.94	+21 30.7	1.905	2.861	5.7	20.6
1 6	5 2.81	+21 37.5	1.961	2.862	9.6	20.9
1 16	4 56.90	+21 46.0	2.042	2.863	12.9	21.1
412276 2013 JK_{6}		12 13.6 207°.47	5°.5/13.2 18			
11 7	5 50.16	+ 5 45.8	2.359	3.134	13.0	21.5
11 17	5 45.13	+ 5 26.3	2.274	3.131	10.6	21.3
11 27	5 38.16	+ 5 16.6	2.211	3.127	8.0	21.2
12 7	5 29.83	+ 5 19.1	2.176	3.123	6.0	21.0
12 17	5 20.88	+ 5 35.0	2.169	3.118	5.7	21.0
12 27	5 12.21	+ 6 4.5	2.191	3.114	7.5	21.1
1 6	5 4.66	+ 6 46.3	2.241	3.109	10.1	21.3
1 16	4 58.89	+ 7 38.0	2.316	3.103	12.6	21.4
345740 2007 DN_{72}		12 13.6 150°.44	1°.1/13.4 18			
11 7	5 55.58	+20 20.3	2.039	2.834	14.1	22.4
11 17	5 49.56	+20 15.2	1.963	2.844	10.9	22.2
11 27	5 41.13	+20 10.6	1.909	2.853	7.1	22.0
12 7	5 31.03	+20 6.0	1.884	2.861	3.0	21.8
12 17	5 20.27	+20 1.6	1.888	2.869	1.9	21.7
12 27	5 10.02	+19 58.0	1.922	2.876	5.9	22.0
1 6	5 1.33	+19 56.6	1.985	2.882	9.7	22.2
1 16	4 54.92	+19 58.6	2.073	2.887	13.0	22.4
443173 2014 DT_{15}		12 13.6 201°.96	3°.5/13.3 18			
11 7	5 53.35	+13 7.8	2.124	2.914	13.8	21.6
11 17	5 47.84	+12 55.9	2.035	2.910	10.9	21.4
11 27	5 40.06	+12 49.6	1.970	2.906	7.5	21.2
12 7	5 30.63	+12 50.2	1.932	2.901	4.4	21.0
12 17	5 20.45	+12 58.3	1.924	2.895	3.8	21.0
12 27	5 10.59	+13 14.4	1.945	2.889	6.7	21.2
1 6	5 2.06	+13 38.0	1.995	2.882	10.1	21.4
1 16	4 55.61	+14 8.5	2.070	2.875	13.3	21.5
201350 2002 TG_{211}		12 13.6 89°.97	4°.7/14.2 17			
11 7	5 53.80	+37 3.2	2.440	3.213	12.7	20.4
11 17	5 48.31	+37 48.5	2.363	3.220	10.3	20.3
11 27	5 40.40	+38 25.3	2.309	3.226	7.6	20.1
12 7	5 30.77	+38 49.6	2.282	3.233	5.4	20.0
12 17	5 20.39	+38 58.8	2.283	3.240	4.8	20.0
12 27	5 10.44	+38 52.7	2.314	3.247	6.5	20.1
1 6	5 1.98	+38 34.0	2.373	3.254	9.0	20.2
1 16	4 55.78	+38 6.7	2.456	3.260	11.5	20.4
367708 2010 TV_{18}		12 13.6 64°.52	0°.6/13.6 18			
11 7	6 0.80	+24 30.1	1.179	2.003	20.6	20.7
11 17	5 54.66	+24 33.1	1.137	2.033	15.8	20.5
11 27	5 44.78	+24 32.8	1.114	2.063	10.2	20.3
12 7	5 32.49	+24 27.0	1.115	2.094	4.1	20.0
12 17	5 19.61	+24 15.3	1.142	2.124	2.1	20.0
12 27	5 8.10	+23 59.7	1.195	2.154	7.8	20.4
1 6	4 59.44	+23 44.1	1.274	2.184	12.8	20.8
1 16	4 54.39	+23 31.7	1.373	2.213	16.9	21.1
212555 2006 SQ_{46}		12 13.6 163°.80	6°.8/14.9 17			
11 7	5 58.89	+42 0.6	2.046	2.808	15.2	20.5
11 17	5 52.86	+42 40.5	1.967	2.810	12.6	20.4
11 27	5 43.64	+43 6.4	1.909	2.812	9.8	20.2
12 7	5 32.14	+43 12.9	1.876	2.813	7.5	20.1
12 17	5 19.69	+42 56.3	1.870	2.815	6.9	20.0
12 27	5 7.91	+42 17.4	1.892	2.816	8.4	20.1
1 6	4 58.21	+41 21.2	1.941	2.817	11.0	20.3
1 16	4 51.52	+40 14.8	2.013	2.817	13.7	20.5
247501 2002 PS_{40}		12 13.6 71°.14	5°.6/15.1 18			
11 7	6 1.45	+39 6.6	1.767	2.543	16.7	19.7
11 17	5 54.51	+39 18.8	1.714	2.572	13.4	19.5
11 27	5 44.41	+39 15.6	1.682	2.601	9.9	19.3
12 7	5 32.30	+38 52.8	1.675	2.629	6.7	19.2
12 17	5 19.71	+38 9.4	1.696	2.657	5.6	19.2
12 27	5 8.30	+37 8.8	1.745	2.685	7.6	19.4
1 6	4 59.32	+35 57.8	1.821	2.713	10.7	19.6
1 16	4 53.47	+34 43.9	1.922	2.740	13.7	19.9
351800 2006 JG_{56}		12 13.6 182°.78	5°.0/13.6 18			
11 7	5 53.23	+ 8 29.5	1.913	2.702	15.2	20.6
11 17	5 47.93	+ 8 26.8	1.832	2.702	12.1	20.4
11 27	5 40.19	+ 8 35.0	1.774	2.702	8.8	20.2
12 7	5 30.71	+ 8 55.8	1.742	2.702	5.8	20.0
12 17	5 20.44	+ 9 29.6	1.738	2.702	5.3	20.0
12 27	5 10.54	+10 15.6	1.763	2.701	7.8	20.1
1 6	5 2.10	+11 11.6	1.815	2.700	11.1	20.3
1 16	4 55.90	+12 14.7	1.892	2.699	14.3	20.6

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
198522 2004 XF_{98}		12 13.6 99°.15	2°.3/14.1 17			
	h m	° ′			°	m
11 7	5 52.21	+31 13.0	2.333	3.122	12.8	20.1
11 17	5 46.89	+31 10.9	2.253	3.128	10.0	19.9
11 27	5 39.35	+31 1.7	2.197	3.134	6.8	19.7
12 7	5 30.31	+30 43.7	2.168	3.140	3.5	19.5
12 17	5 20.70	+30 16.6	2.168	3.146	2.5	19.4
12 27	5 11.59	+29 41.9	2.199	3.152	5.3	19.6
1 6	5 3.93	+29 2.6	2.258	3.157	8.5	19.9
1 16	4 58.38	+28 22.4	2.343	3.163	11.5	20.1
333769 2011 EN_{7}		12 13.6 209°.44	5°.5/12.9 17			
11 7	5 48.22	+ 6 15.5	2.399	3.179	12.7	21.2
11 17	5 43.60	+ 5 45.4	2.318	3.178	10.3	21.0
11 27	5 37.15	+ 5 24.1	2.260	3.176	7.8	20.8
12 7	5 29.42	+ 5 14.2	2.228	3.175	5.9	20.7
12 17	5 21.15	+ 5 17.4	2.225	3.173	5.7	20.7
12 27	5 13.17	+ 5 34.3	2.250	3.171	7.4	20.8
1 6	5 6.28	+ 6 3.8	2.303	3.169	9.9	21.0
1 16	5 1.09	+ 6 44.1	2.381	3.168	12.3	21.1
287723 2003 QX_{119}		12 13.6 62°.21	3°.9/14.8 17			
11 7	5 54.63	+36 24.8	2.142	2.922	14.0	20.6
11 17	5 48.97	+36 20.0	2.067	2.931	11.2	20.4
11 27	5 40.77	+36 3.4	2.014	2.941	8.0	20.2
12 7	5 30.88	+35 32.7	1.988	2.951	5.0	20.1
12 17	5 20.43	+34 47.3	1.991	2.960	4.0	20.0
12 27	5 10.68	+33 49.8	2.023	2.970	6.2	20.2
1 6	5 2.69	+32 45.0	2.084	2.980	9.3	20.4
1 16	4 57.16	+31 38.3	2.170	2.990	12.2	20.6
418577 2008 SJ_{188}		12 13.6 127°.46	4°.1/12.6 18			
11 7	5 48.68	+ 9 48.6	2.857	3.634	10.9	22.2
11 17	5 43.53	+ 9 2.9	2.785	3.648	8.7	22.0
11 27	5 36.88	+ 8 22.2	2.739	3.662	6.3	21.9
12 7	5 29.26	+ 7 48.7	2.722	3.676	4.5	21.8
12 17	5 21.28	+ 7 24.2	2.735	3.689	4.3	21.8
12 27	5 13.65	+ 7 9.9	2.778	3.701	6.0	21.9
1 6	5 7.01	+ 7 6.0	2.849	3.713	8.3	22.1
1 16	5 1.83	+ 7 11.9	2.946	3.725	10.4	22.3
290721 2005 UE_{430}		12 13.6 67°.69	0°.4/13.6 18			
11 7	5 55.93	+24 58.1	1.446	2.263	17.8	21.2
11 17	5 50.67	+24 50.9	1.385	2.279	13.7	21.0
11 27	5 42.20	+24 39.7	1.346	2.294	8.9	20.7
12 7	5 31.53	+24 23.4	1.331	2.310	3.6	20.5
12 17	5 20.12	+24 2.2	1.343	2.326	1.9	20.4
12 27	5 9.60	+23 38.2	1.383	2.342	7.0	20.8
1 6	5 1.33	+23 14.8	1.449	2.357	11.7	21.1
1 16	4 56.13	+22 55.3	1.537	2.373	15.6	21.4
73376 2002 LO_{2}		12 13.6 86°.28	3°.8/13.1 18			
11 7	5 53.89	+14 26.4	1.803	2.604	15.5	19.3
11 17	5 48.27	+13 49.4	1.745	2.626	12.0	19.1
11 27	5 40.25	+13 17.2	1.709	2.648	8.2	19.0
12 7	5 30.67	+12 51.8	1.700	2.670	4.7	18.8
12 17	5 20.59	+12 35.1	1.720	2.691	4.2	18.8
12 27	5 11.21	+12 28.3	1.768	2.712	7.2	19.0
1 6	5 3.52	+12 31.7	1.843	2.732	10.7	19.3
1 16	4 58.18	+12 44.7	1.942	2.752	13.8	19.5
76924 2001 AJ_{21}		12 13.6 72°.99	3°.6/14.2 18			
11 7	5 59.52	+31 43.9	1.334	2.146	19.3	19.3
11 17	5 53.87	+31 53.1	1.276	2.163	15.1	19.0
11 27	5 44.46	+31 51.3	1.238	2.180	10.3	18.8
12 7	5 32.49	+31 34.8	1.224	2.197	5.5	18.6
12 17	5 19.67	+31 2.2	1.236	2.213	3.9	18.5
12 27	5 7.99	+30 16.7	1.275	2.230	7.9	18.8
1 6	4 59.03	+29 24.9	1.339	2.247	12.5	19.1
1 16	4 53.65	+28 33.8	1.425	2.263	16.5	19.4
157832 1998 BO_{28}		12 13.6 357°.02	2°.9/13.3 18			
11 7	5 45.17	+14 2.8	2.229	3.035	12.7	19.2
11 17	5 41.53	+13 56.5	2.147	3.031	9.9	19.0
11 27	5 35.95	+13 55.4	2.088	3.028	6.8	18.8
12 7	5 29.00	+14 0.6	2.055	3.026	3.8	18.6
12 17	5 21.44	+14 12.4	2.051	3.025	3.3	18.6
12 27	5 14.19	+14 31.1	2.076	3.024	5.9	18.8
1 6	5 8.07	+14 56.2	2.128	3.024	9.1	19.0
1 16	5 3.75	+15 26.9	2.205	3.025	12.1	19.1
214655 2006 SV_{93}		12 13.6 93°.22	5°.2/12.7 18			
11 7	5 50.91	+10 45.9	1.942	2.739	14.7	20.8
11 17	5 45.96	+ 9 54.7	1.873	2.748	11.6	20.6
11 27	5 38.79	+ 9 9.8	1.828	2.758	8.4	20.4
12 7	5 30.12	+ 8 34.7	1.808	2.767	5.8	20.3
12 17	5 20.89	+ 8 12.0	1.817	2.777	5.5	20.3
12 27	5 12.17	+ 8 3.3	1.854	2.786	7.9	20.4
1 6	5 4.91	+ 8 8.5	1.918	2.795	11.0	20.6
1 16	4 59.77	+ 8 26.3	2.005	2.805	13.9	20.8

114433 2003 AL_7 12 13.6 128°.92 1°.2/13.4 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
11 7	5 48.42	+19 8.9	2.646	3.441	11.3	20.1
11 17	5 43.67	+19 5.0	2.564	3.445	8.6	19.9
11 27	5 37.16	+19 2.2	2.505	3.449	5.6	19.7
12 7	5 29.45	+19 0.6	2.475	3.452	2.5	19.5
12 17	5 21.23	+19 0.4	2.475	3.456	1.7	19.5
12 27	5 13.33	+19 2.1	2.506	3.459	4.7	19.7
1 6	5 6.48	+19 6.1	2.566	3.462	7.8	19.9
1 16	5 1.27	+19 13.1	2.652	3.465	10.5	20.1

517268 2014 FX_{10} 12 13.6 267°.37 1°.7/13.4 18

11 7	5 53.12	+19 35.7	1.744	2.554	15.6	21.9
11 17	5 48.39	+19 20.8	1.650	2.539	12.1	21.6
11 27	5 40.82	+19 6.5	1.578	2.524	8.0	21.4
12 7	5 31.10	+18 53.3	1.532	2.509	3.6	21.1
12 17	5 20.33	+18 41.7	1.513	2.494	2.5	21.0
12 27	5 9.86	+18 33.1	1.524	2.478	7.0	21.2
1 6	5 1.02	+18 29.2	1.561	2.462	11.5	21.4
1 16	4 54.76	+18 31.2	1.621	2.446	15.4	21.6

274293 2008 QU_{16} 12 13.6 102°.26 5°.6/12.8 18

11 7	5 48.24	+ 6 33.3	2.364	3.145	12.8	20.8
11 17	5 43.59	+ 5 54.4	2.291	3.151	10.4	20.7
11 27	5 37.13	+ 5 24.0	2.241	3.158	7.9	20.5
12 7	5 29.44	+ 5 4.9	2.218	3.164	5.9	20.4
12 17	5 21.25	+ 4 59.1	2.223	3.170	5.8	20.4
12 27	5 13.44	+ 5 7.2	2.257	3.176	7.5	20.5
1 6	5 6.75	+ 5 28.6	2.318	3.182	9.9	20.7
1 16	5 1.77	+ 6 1.3	2.403	3.188	12.3	20.9

187685 2008 DO_{21} 12 13.6 310°.50 2°.7/13.3 18

11 7	5 52.51	+18 11.6	1.323	2.151	18.6	20.9
11 17	5 48.63	+17 52.0	1.242	2.141	14.5	20.6
11 27	5 41.31	+17 35.1	1.182	2.132	9.7	20.3
12 7	5 31.39	+17 22.1	1.145	2.122	4.6	20.0
12 17	5 20.19	+17 14.1	1.134	2.113	3.5	19.9
12 27	5 9.49	+17 12.9	1.149	2.105	8.5	20.2
1 6	5 0.88	+17 19.5	1.188	2.097	13.6	20.5
1 16	4 55.48	+17 34.6	1.247	2.089	18.2	20.7

160858 2001 FA_{121} 12 13.6 206°.17 1°.5/13.8 18

11 7	5 51.40	+28 2.4	3.077	3.856	10.2	21.3
11 17	5 45.89	+28 22.3	2.979	3.850	7.9	21.2
11 27	5 38.60	+28 39.2	2.906	3.844	5.3	21.0
12 7	5 30.06	+28 51.5	2.863	3.836	2.6	20.8
12 17	5 20.92	+28 58.1	2.850	3.829	1.8	20.7
12 27	5 12.00	+28 58.9	2.869	3.821	4.3	20.9
1 6	5 4.06	+28 55.0	2.919	3.812	7.1	21.1
1 16	4 57.70	+28 48.3	2.995	3.803	9.5	21.2

27072 Aggarwal 12 13.6 193°.21 1°.0/13.8 18

11 7	5 56.91	+26 17.5	1.899	2.696	15.0	19.0
11 17	5 51.04	+26 19.1	1.813	2.694	11.6	18.8
11 27	5 42.37	+26 16.6	1.749	2.692	7.7	18.5
12 7	5 31.68	+26 8.0	1.712	2.690	3.3	18.2
12 17	5 20.09	+25 52.6	1.705	2.686	1.8	18.1
12 27	5 9.00	+25 31.6	1.727	2.682	6.2	18.4
1 6	4 59.64	+25 7.9	1.777	2.678	10.4	18.6
1 16	4 52.89	+24 44.9	1.851	2.673	14.0	18.9

441250 2007 VY_{255} 12 13.6 69°.42 2°.1/13.8 17

11 7	5 55.64	+27 49.1	1.691	2.497	16.1	21.9
11 17	5 50.16	+28 9.8	1.629	2.515	12.5	21.7
11 27	5 41.77	+28 25.5	1.589	2.533	8.3	21.5
12 7	5 31.39	+28 33.5	1.575	2.551	3.9	21.3
12 17	5 20.29	+28 32.2	1.589	2.569	2.6	21.2
12 27	5 9.94	+28 22.5	1.631	2.587	6.5	21.5
1 6	5 1.60	+28 7.2	1.701	2.605	10.5	21.8
1 16	4 56.05	+27 50.2	1.793	2.623	14.0	22.1

413340 2003 WB_{162} 12 13.6 348°.50 2°.3/13.6 18

11 7	5 51.99	+27 6.4	2.065	2.865	13.8	20.6
11 17	5 47.23	+27 57.3	1.980	2.862	10.7	20.3
11 27	5 39.92	+28 47.0	1.918	2.860	7.2	20.1
12 7	5 30.71	+29 31.9	1.883	2.857	3.6	19.9
12 17	5 20.57	+30 9.0	1.877	2.855	2.7	19.8
12 27	5 10.73	+30 36.7	1.901	2.854	6.0	20.0
1 6	5 2.35	+30 55.7	1.953	2.852	9.7	20.3
1 16	4 56.29	+31 8.1	2.029	2.851	12.9	20.5

439053 2011 HB_6 12 13.6 170°.53 1°.2/13.7 18

11 7	5 57.55	+25 5.2	2.132	2.921	13.8	21.7
11 17	5 51.26	+25 38.1	2.048	2.925	10.7	21.5
11 27	5 42.39	+26 9.8	1.988	2.929	7.0	21.2
12 7	5 31.67	+26 37.6	1.955	2.932	3.1	21.0
12 17	5 20.10	+26 59.2	1.953	2.934	1.9	20.9
12 27	5 8.93	+27 14.0	1.982	2.936	5.7	21.2
1 6	4 59.29	+27 23.0	2.040	2.937	9.5	21.4
1 16	4 52.01	+27 28.6	2.124	2.937	12.7	21.6

224648 2005 YS_{217} 12 13.6 319°.96 0°.6/13.7 17

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
11 7	5 50.28	+24 20.1	1.869	2.680	14.6	20.7
11 17	5 46.09	+24 29.6	1.778	2.668	11.3	20.5
11 27	5 39.26	+24 37.4	1.709	2.657	7.4	20.2
12 7	5 30.46	+24 42.3	1.667	2.645	3.1	19.9
12 17	5 20.71	+24 43.1	1.653	2.635	1.7	19.8
12 27	5 11.30	+24 40.4	1.667	2.624	6.1	20.1
1 6	5 3.41	+24 35.6	1.708	2.614	10.3	20.3
1 16	4 57.96	+24 31.1	1.773	2.605	14.0	20.5

369126 2008 RP_6 12 13.6 318°.58 0°.5/13.7 18

11 7	5 51.22	+26 46.4	2.168	2.967	13.3	20.2
11 17	5 46.28	+26 21.5	2.081	2.965	10.2	20.0
11 27	5 39.07	+25 51.0	2.018	2.962	6.7	19.8
12 7	5 30.28	+25 14.6	1.982	2.959	2.8	19.5
12 17	5 20.86	+24 33.1	1.975	2.957	1.4	19.4
12 27	5 11.90	+23 48.9	1.998	2.955	5.4	19.7
1 6	5 4.38	+23 5.2	2.050	2.953	9.1	19.9
1 16	4 58.99	+22 25.1	2.127	2.951	12.3	20.1

145929 1999 WJ_{12} 12 13.6 47°.54 1°.1/13.4 18

11 7	5 54.47	+22 18.7	1.286	2.114	19.0	19.9
11 17	5 49.91	+21 56.5	1.225	2.124	14.6	19.7
11 27	5 41.91	+21 32.3	1.184	2.135	9.5	19.4
12 7	5 31.52	+21 6.5	1.166	2.145	3.9	19.2
12 17	5 20.25	+20 40.3	1.175	2.156	2.3	19.1
12 27	5 9.87	+20 16.4	1.209	2.168	7.8	19.4
1 6	5 1.86	+19 57.7	1.269	2.180	12.8	19.8
1 16	4 57.10	+19 46.4	1.350	2.192	17.0	20.1

413762 2006 DK_{166} 12 13.6 106°.05 4°.2/14.2 17

11 7	5 53.83	+35 30.1	2.368	3.145	12.9	21.5
11 17	5 48.36	+36 5.4	2.290	3.152	10.3	21.4
11 27	5 40.46	+36 32.6	2.235	3.158	7.5	21.2
12 7	5 30.87	+36 48.0	2.206	3.164	5.0	21.0
12 17	5 20.55	+36 49.6	2.207	3.170	4.3	21.0
12 27	5 10.69	+36 37.4	2.237	3.176	6.2	21.1
1 6	5 2.33	+36 14.2	2.295	3.182	9.0	21.3
1 16	4 56.24	+35 43.9	2.378	3.188	11.6	21.5

129231 2005 PE_2 12 13.6 129°.51 1°.3/13.5 18

11 7	5 56.80	+19 42.0	1.768	2.570	15.7	20.9
11 17	5 50.83	+19 42.2	1.698	2.582	12.1	20.7
11 27	5 42.14	+19 43.9	1.650	2.595	7.9	20.5
12 7	5 31.55	+19 46.7	1.629	2.607	3.4	20.3
12 17	5 20.23	+19 50.1	1.637	2.618	2.1	20.2
12 27	5 9.53	+19 54.7	1.674	2.628	6.5	20.5
1 6	5 0.64	+20 1.4	1.739	2.638	10.6	20.8
1 16	4 54.34	+20 11.3	1.828	2.648	14.2	21.0

197119 2003 UR_{211} 12 13.6 281°.41 2°.3/13.0 18

11 7	5 49.04	+18 25.0	2.322	3.122	12.5	20.2
11 17	5 44.43	+17 45.3	2.229	3.113	9.7	20.0
11 27	5 37.81	+17 5.3	2.161	3.104	6.4	19.8
12 7	5 29.78	+16 26.4	2.120	3.095	3.2	19.6
12 17	5 21.13	+15 50.6	2.109	3.086	2.7	19.6
12 27	5 12.80	+15 20.0	2.128	3.077	5.8	19.7
1 6	5 5.67	+14 56.3	2.175	3.068	9.2	19.9
1 16	5 0.38	+14 40.7	2.247	3.059	12.2	20.1

252084 2000 TR_{17} 12 13.6 16°.99 5°.6/13.8 18

11 7	5 57.53	+31 47.7	1.254	2.074	19.9	20.2
11 17	5 53.18	+32 56.7	1.186	2.075	15.8	19.9
11 27	5 44.64	+33 59.7	1.137	2.077	11.2	19.7
12 7	5 32.84	+34 48.5	1.111	2.079	6.9	19.4
12 17	5 19.51	+35 16.4	1.110	2.082	5.9	19.4
12 27	5 6.91	+35 21.6	1.135	2.085	9.5	19.6
1 6	4 57.07	+35 8.5	1.183	2.088	14.1	19.9
1 16	4 51.23	+34 44.7	1.252	2.092	18.2	20.1

164529 2006 HS_{86} 12 13.6 174°.60 0°.6/13.5 18

11 7	5 49.27	+21 17.9	2.901	3.690	10.5	21.3
11 17	5 44.19	+21 12.3	2.813	3.692	8.1	21.1
11 27	5 37.46	+21 6.3	2.751	3.694	5.2	21.0
12 7	5 29.59	+20 59.7	2.717	3.695	2.2	20.8
12 17	5 21.24	+20 52.8	2.714	3.696	1.3	20.7
12 27	5 13.19	+20 46.2	2.743	3.696	4.3	20.9
1 6	5 6.12	+20 40.7	2.801	3.696	7.2	21.1
1 16	5 0.59	+20 37.4	2.886	3.696	9.8	21.3

444556 2006 SQ_{334} 12 13.6 98°.57 5°.3/14.1 18

11 7	5 57.82	+35 56.2	1.975	2.756	15.0	20.8
11 17	5 51.93	+36 54.1	1.904	2.767	12.1	20.6
11 27	5 43.04	+37 43.0	1.856	2.778	8.9	20.5
12 7	5 31.98	+38 17.5	1.834	2.789	6.1	20.3
12 17	5 20.00	+38 33.7	1.840	2.800	5.5	20.3
12 27	5 8.60	+38 31.4	1.875	2.811	7.5	20.5
1 6	4 59.11	+38 13.7	1.937	2.821	10.5	20.7
1 16	4 52.46	+37 46.2	2.022	2.832	13.4	20.9

3734 Waland 12 13.6 326°.83 2°.1/13.3 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
11 7	5 50.66	+18 37.2	1.826	2.637	14.9	17.0
11 17	5 46.21	+18 19.1	1.743	2.633	11.6	16.8
11 27	5 39.22	+18 2.4	1.683	2.629	7.7	16.6
12 7	5 30.42	+17 47.9	1.649	2.626	3.6	16.3
12 17	5 20.80	+17 36.7	1.643	2.623	2.7	16.3
12 27	5 11.62	+17 29.9	1.666	2.620	6.6	16.5
1 6	5 3.98	+17 28.8	1.715	2.617	10.6	16.7
1 16	4 58.69	+17 34.0	1.788	2.614	14.2	17.0

91671 1999 TL_{114} 12 13.6 129°.41 0°.8/13.7 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 52.02	+25 35.0	2.302	3.097	12.7	20.1
11 17	5 46.75	+25 41.2	2.222	3.103	9.8	19.9
11 27	5 39.32	+25 44.6	2.166	3.110	6.4	19.7
12 7	5 30.38	+25 44.0	2.138	3.116	2.7	19.5
12 17	5 20.84	+25 38.8	2.140	3.122	1.5	19.4
12 27	5 11.72	+25 29.6	2.172	3.128	5.1	19.7
1 6	5 3.96	+25 18.2	2.233	3.133	8.6	19.9
1 16	4 58.24	+25 6.7	2.319	3.138	11.6	20.1

487248 2014 PQ_{18} 12 13.6 107°.18 4°.8/14.5 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 55.72	+36 56.3	2.152	2.928	14.1	21.5
11 17	5 50.03	+37 26.5	2.075	2.936	11.3	21.3
11 27	5 41.65	+37 46.4	2.022	2.943	8.3	21.1
12 7	5 31.37	+37 52.2	1.994	2.950	5.6	21.0
12 17	5 20.34	+37 41.4	1.995	2.957	4.9	21.0
12 27	5 9.88	+37 14.9	2.025	2.964	6.8	21.1
1 6	5 1.18	+36 36.4	2.082	2.971	9.7	21.3
1 16	4 55.04	+35 51.2	2.165	2.977	12.5	21.5

67430 2000 QL_{105} 12 13.6 136°.43 0°.1/13.6 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 59.22	+22 9.2	1.651	2.453	16.6	19.8
11 17	5 52.98	+22 26.5	1.580	2.465	12.8	19.6
11 27	5 43.69	+22 44.1	1.532	2.477	8.3	19.4
12 7	5 32.24	+23 0.0	1.509	2.488	3.4	19.1
12 17	5 19.91	+23 12.6	1.516	2.498	1.7	19.0
12 27	5 8.24	+23 21.6	1.551	2.508	6.7	19.4
1 6	4 58.59	+23 28.7	1.614	2.516	11.1	19.6
1 16	4 51.84	+23 35.9	1.701	2.525	14.9	19.9

246804 2009 FJ_{7} 12 13.6 147°.01 1°.8/13.4 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 52.48	+18 19.6	2.019	2.820	14.1	20.9
11 17	5 47.30	+18 13.1	1.940	2.824	10.9	20.7
11 27	5 39.78	+18 8.7	1.884	2.828	7.1	20.5
12 7	5 30.62	+18 6.7	1.855	2.832	3.3	20.2
12 17	5 20.76	+18 7.3	1.856	2.835	2.3	20.2
12 27	5 11.34	+18 11.0	1.886	2.838	6.0	20.4
1 6	5 3.37	+18 18.4	1.943	2.841	9.8	20.6
1 16	4 57.59	+18 30.2	2.026	2.844	13.1	20.9

316989 2001 NL_{5} 12 13.6 79°.83 3°.1/14.0 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 54.59	+30 59.8	1.876	2.674	15.1	20.6
11 17	5 49.39	+31 23.1	1.799	2.678	11.8	20.4
11 27	5 41.35	+31 39.6	1.744	2.682	8.1	20.2
12 7	5 31.30	+31 46.0	1.716	2.687	4.4	20.0
12 17	5 20.41	+31 40.4	1.716	2.691	3.4	20.0
12 27	5 10.07	+31 23.5	1.744	2.696	6.5	20.2
1 6	5 1.55	+30 58.4	1.800	2.700	10.3	20.4
1 16	4 55.68	+30 29.5	1.879	2.705	13.6	20.6

226387 2003 OD_{20} 12 13.6 73°.66 2°.9/13.3 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 51.16	+15 10.9	2.147	2.944	13.5	19.9
11 17	5 45.91	+14 51.4	2.087	2.967	10.4	19.7
11 27	5 38.64	+14 35.9	2.051	2.990	7.0	19.6
12 7	5 30.07	+14 25.4	2.042	3.013	3.8	19.4
12 17	5 21.08	+14 20.8	2.062	3.036	3.2	19.4
12 27	5 12.63	+14 22.8	2.112	3.059	6.0	19.6
1 6	5 5.57	+14 31.4	2.190	3.082	9.2	19.9
1 16	5 0.47	+14 46.4	2.293	3.104	12.0	20.1

259398 2003 QT_{2} 12 13.6 39°.43 1°.2/13.8 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 55.41	+27 10.6	1.101	1.937	21.0	19.9
11 17	5 51.18	+26 56.4	1.047	1.950	16.2	19.6
11 27	5 42.97	+26 34.5	1.012	1.964	10.6	19.4
12 7	5 32.01	+26 3.3	0.999	1.978	4.5	19.1
12 17	5 20.13	+25 23.7	1.011	1.993	2.4	19.0
12 27	5 9.43	+24 39.8	1.047	2.009	8.2	19.4
1 6	5 1.57	+23 57.4	1.108	2.025	13.6	19.7
1 16	4 57.44	+23 21.5	1.189	2.042	18.1	20.1

316312 2010 RH_{78} 12 13.6 97°.81 3°.9/14.1 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 56.29	+33 13.9	2.086	2.871	14.2	21.3
11 17	5 50.42	+33 54.3	2.017	2.886	11.2	21.1
11 27	5 41.89	+34 27.2	1.970	2.900	7.9	20.9
12 7	5 31.49	+34 48.8	1.950	2.914	4.9	20.8
12 17	5 20.34	+34 56.3	1.959	2.928	4.1	20.8
12 27	5 9.78	+34 50.0	1.998	2.942	6.5	20.9
1 6	5 0.95	+34 32.8	2.064	2.955	9.6	21.2
1 16	4 54.66	+34 9.0	2.155	2.969	12.5	21.4

306779 2001 FR_{28} 12 13.6 336°.22 5°.4/13.6 17

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
11 7	5 49.49	+30 41.0	1.237	2.072	19.2	19.2
11 17	5 47.26	+31 48.6	1.152	2.051	15.4	18.9
11 27	5 41.05	+32 53.3	1.087	2.032	10.9	18.6
12 7	5 31.55	+33 48.2	1.043	2.013	6.7	18.3
12 17	5 20.19	+34 26.1	1.023	1.997	5.8	18.2
12 27	5 9.10	+34 43.6	1.028	1.981	9.7	18.4
1 6	5 0.39	+34 42.7	1.055	1.968	14.6	18.6
1 16	4 55.54	+34 29.4	1.102	1.956	19.2	18.8

117285 2004 TK_{173} 12 13.6 304°.14 3°.9/14.4 17

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 53.44	+34 40.4	2.208	2.992	13.5	19.5
11 17	5 48.23	+35 0.0	2.124	2.992	10.8	19.3
11 27	5 40.48	+35 10.9	2.062	2.991	7.7	19.1
12 7	5 30.94	+35 9.9	2.027	2.991	4.8	18.9
12 17	5 20.63	+34 55.3	2.021	2.990	4.0	18.9
12 27	5 10.80	+34 27.8	2.044	2.990	6.3	19.0
1 6	5 2.55	+33 50.8	2.095	2.989	9.4	19.2
1 16	4 56.68	+33 8.7	2.170	2.989	12.3	19.4

510579 2012 RF_{40} 12 13.6 91°.60 3°.0/13.3 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 56.03	+16 14.9	1.642	2.447	16.6	21.1
11 17	5 50.21	+15 55.1	1.584	2.469	12.8	20.9
11 27	5 41.69	+15 39.5	1.547	2.490	8.5	20.7
12 7	5 31.37	+15 29.2	1.536	2.510	4.3	20.5
12 17	5 20.46	+15 25.0	1.554	2.530	3.5	20.5
12 27	5 10.31	+15 27.7	1.600	2.550	7.2	20.8
1 6	5 2.05	+15 37.7	1.673	2.570	11.2	21.1
1 16	4 56.43	+15 54.6	1.769	2.589	14.6	21.3

231019 2005 EP_{86} 12 13.6 303°.92 2°.5/13.9 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 50.98	+29 40.2	2.244	3.039	13.0	20.0
11 17	5 46.34	+30 7.6	2.149	3.028	10.2	19.8
11 27	5 39.31	+30 30.8	2.078	3.017	7.0	19.6
12 7	5 30.51	+30 47.0	2.034	3.006	3.7	19.4
12 17	5 20.84	+30 54.4	2.019	2.995	2.8	19.3
12 27	5 11.45	+30 52.7	2.033	2.985	5.7	19.5
1 6	5 3.41	+30 43.7	2.075	2.974	9.2	19.7
1 16	4 57.54	+30 30.1	2.142	2.964	12.3	19.8

183127 2002 RM_{200} 12 13.6 166°.52 0°.7/13.5 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 56.83	+22 53.2	1.742	2.546	15.8	20.6
11 17	5 51.04	+22 31.6	1.664	2.550	12.2	20.4
11 27	5 42.39	+22 7.3	1.607	2.553	8.0	20.1
12 7	5 31.73	+21 40.0	1.577	2.556	3.3	19.9
12 17	5 20.27	+21 10.7	1.576	2.558	1.9	19.8
12 27	5 9.41	+20 41.5	1.605	2.560	6.6	20.1
1 6	5 0.40	+20 15.5	1.660	2.561	10.9	20.3
1 16	4 54.09	+19 55.3	1.739	2.562	14.7	20.6

215758 2004 FM_{68} 12 13.6 262°.30 4°.2/13.1 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 50.61	+12 44.2	1.942	2.742	14.5	20.8
11 17	5 45.98	+12 14.8	1.858	2.738	11.5	20.6
11 27	5 39.01	+11 50.9	1.797	2.733	8.0	20.4
12 7	5 30.36	+11 34.8	1.762	2.729	5.0	20.2
12 17	5 20.95	+11 28.2	1.755	2.724	4.5	20.2
12 27	5 11.92	+11 32.2	1.777	2.719	7.3	20.4
1 6	5 4.27	+11 46.8	1.826	2.715	10.8	20.6
1 16	4 58.79	+12 11.1	1.898	2.710	14.1	20.8

215666 2003 UO_{242} 12 13.6 86°.97 0°.6/13.7 15

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	6 1.11	+23 52.2	1.455	2.262	18.2	21.2
11 17	5 54.51	+24 7.3	1.403	2.290	13.9	21.0
11 27	5 44.64	+24 20.6	1.372	2.318	9.0	20.8
12 7	5 32.59	+24 29.4	1.367	2.345	3.7	20.6
12 17	5 19.90	+24 32.3	1.389	2.371	1.9	20.5
12 27	5 8.24	+24 30.3	1.440	2.397	7.0	20.9
1 6	4 58.98	+24 25.8	1.518	2.423	11.5	21.2
1 16	4 52.92	+24 21.9	1.618	2.447	15.3	21.5

130903 2000 VE_{35} 12 13.6 38°.68 1°.4/13.5 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 56.30	+21 50.5	1.362	2.183	18.5	17.9
11 17	5 51.42	+23 2.2	1.301	2.196	14.3	17.7
11 27	5 43.06	+24 18.4	1.261	2.209	9.3	17.4
12 7	5 32.12	+25 33.6	1.245	2.224	4.0	17.2
12 17	5 20.07	+26 42.1	1.257	2.239	2.4	17.1
12 27	5 8.73	+27 40.2	1.297	2.254	7.5	17.5
1 6	4 59.66	+28 27.4	1.362	2.270	12.3	17.8
1 16	4 53.91	+29 5.6	1.449	2.287	16.3	18.1

291922 2006 QM_{23} 12 13.6 45°.65 2°.2/13.9 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 54.15	+28 53.3	1.571	2.384	16.9	20.7
11 17	5 49.25	+28 59.5	1.510	2.399	13.1	20.5
11 27	5 41.31	+28 58.8	1.470	2.415	8.7	20.2
12 7	5 31.29	+28 49.0	1.455	2.431	4.1	20.0
12 17	5 20.55	+28 29.3	1.468	2.448	2.7	20.0
12 27	5 10.64	+28 1.7	1.508	2.465	6.7	20.3
1 6	5 2.83	+27 30.2	1.574	2.482	10.9	20.5
1 16	4 57.92	+26 59.0	1.663	2.499	14.6	20.8

373070 2011 FW_{65} 12 13.6 243°.05 0°.1/13.6 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
11 7	5 49.82	+23 55.0	2.593	3.387	11.5	21.9
11 17	5 44.94	+23 46.1	2.497	3.378	8.9	21.7
11 27	5 38.13	+23 34.8	2.426	3.370	5.8	21.5
12 7	5 29.96	+23 20.9	2.382	3.361	2.4	21.3
12 17	5 21.19	+23 4.6	2.369	3.351	1.2	21.2
12 27	5 12.69	+22 46.7	2.387	3.342	4.7	21.4
1 6	5 5.31	+22 29.0	2.433	3.333	8.0	21.6
1 16	4 59.68	+22 13.2	2.506	3.323	10.9	21.8

154194 2002 GZ_{145} 12 13.6 149°.45 4°.4/13.0 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 49.27	+ 9 48.2	2.373	3.160	12.6	20.1
11 17	5 44.46	+ 9 21.9	2.294	3.163	10.1	20.0
11 27	5 37.77	+ 9 2.3	2.239	3.167	7.3	19.8
12 7	5 29.80	+ 8 51.4	2.211	3.170	4.9	19.6
12 17	5 21.29	+ 8 50.6	2.212	3.173	4.6	19.6
12 27	5 13.12	+ 9 0.6	2.243	3.175	6.7	19.8
1 6	5 6.09	+ 9 20.9	2.301	3.178	9.4	19.9
1 16	5 0.80	+ 9 50.1	2.384	3.180	12.0	20.1

108972 2001 PM_{42} 12 13.6 127°.67 5°.2/14.3 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 59.06	+37 44.9	2.330	3.094	13.5	20.2
11 17	5 52.48	+38 37.3	2.258	3.108	10.9	20.0
11 27	5 43.23	+39 20.2	2.209	3.122	8.2	19.9
12 7	5 32.07	+39 48.8	2.187	3.136	5.8	19.7
12 17	5 20.12	+39 59.9	2.195	3.149	5.3	19.7
12 27	5 8.71	+39 53.5	2.232	3.161	6.9	19.9
1 6	4 59.01	+39 32.6	2.297	3.173	9.5	20.0
1 16	4 51.84	+39 2.2	2.387	3.184	12.0	20.2

240433 2003 WY_{118} 12 13.6 30°.42 0°.5/13.7 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 50.91	+26 36.0	1.749	2.562	15.4	19.6
11 17	5 46.37	+26 7.7	1.685	2.576	11.8	19.4
11 27	5 39.24	+25 33.5	1.644	2.592	7.7	19.2
12 7	5 30.41	+24 53.6	1.629	2.608	3.2	19.0
12 17	5 21.03	+24 9.3	1.642	2.624	1.6	18.9
12 27	5 12.38	+23 23.8	1.683	2.641	6.0	19.2
1 6	5 5.51	+22 40.7	1.752	2.659	10.0	19.5
1 16	5 1.12	+22 3.0	1.844	2.678	13.5	19.7

38495 1999 TP_{119} 12 13.6 136°.95 1°.0/13.8 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 51.80	+26 24.9	2.197	2.994	13.2	19.0
11 17	5 46.77	+26 28.5	2.114	2.996	10.2	18.8
11 27	5 39.45	+26 28.4	2.054	2.998	6.7	18.6
12 7	5 30.53	+26 23.5	2.022	2.999	2.9	18.3
12 17	5 20.94	+26 13.1	2.019	3.001	1.6	18.2
12 27	5 11.76	+25 58.2	2.046	3.002	5.3	18.5
1 6	5 4.00	+25 40.8	2.102	3.004	8.9	18.7
1 16	4 58.37	+25 23.4	2.182	3.005	12.1	18.9

381365 2008 EA_{38} 12 13.6 191°.13 1°.5/13.8 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 57.97	+26 5.4	1.806	2.604	15.6	21.7
11 17	5 52.10	+26 27.7	1.721	2.603	12.1	21.5
11 27	5 43.25	+26 47.4	1.659	2.602	8.0	21.2
12 7	5 32.18	+27 1.6	1.623	2.600	3.6	21.0
12 17	5 20.08	+27 8.2	1.616	2.597	2.2	20.9
12 27	5 8.43	+27 7.0	1.638	2.594	6.5	21.1
1 6	4 58.61	+27 0.4	1.688	2.590	10.8	21.4
1 16	4 51.56	+26 51.6	1.762	2.585	14.5	21.6

248199 2005 EG_{8} 12 13.6 233°.78 8°.4/11.7 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 46.92	− 3 51.8	2.612	3.354	12.8	20.3
11 17	5 42.53	− 4 57.2	2.536	3.350	11.0	20.1
11 27	5 36.47	− 5 49.7	2.482	3.346	9.5	20.0
12 7	5 29.28	− 6 25.3	2.453	3.342	8.5	20.0
12 17	5 21.58	− 6 40.8	2.451	3.337	8.6	20.0
12 27	5 14.15	− 6 35.1	2.475	3.333	9.6	20.0
1 6	5 7.69	− 6 9.2	2.524	3.329	11.2	20.1
1 16	5 2.76	− 5 25.9	2.595	3.324	12.9	20.2

21132 1993 FN_{10} 12 13.6 81°.85 0°.1/13.6 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 52.31	+23 4.4	2.038	2.841	13.9	18.7
11 17	5 47.20	+23 12.1	1.965	2.851	10.7	18.5
11 27	5 39.73	+23 18.8	1.916	2.861	6.9	18.3
12 7	5 30.64	+23 23.5	1.893	2.872	2.8	18.1
12 17	5 20.90	+23 25.6	1.900	2.882	1.4	18.0
12 27	5 11.66	+23 25.6	1.936	2.892	5.5	18.3
1 6	5 3.92	+23 24.7	2.000	2.903	9.3	18.5
1 16	4 58.41	+23 24.5	2.089	2.913	12.5	18.8

116420 2003 YW_{146} 12 13.6 284°.41 6°.7/13.7 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 57.59	+37 50.1	1.948	2.726	15.3	19.4
11 17	5 52.47	+39 2.0	1.846	2.704	12.6	19.1
11 27	5 43.94	+40 6.7	1.767	2.682	9.7	18.9
12 7	5 32.64	+40 57.1	1.713	2.660	7.3	18.7
12 17	5 19.75	+41 27.0	1.686	2.638	6.8	18.7
12 27	5 6.96	+41 33.8	1.687	2.615	8.9	18.7
1 6	4 55.96	+41 19.7	1.715	2.593	12.0	18.9
1 16	4 48.03	+40 50.7	1.765	2.570	15.2	19.0

104876 2000 HH_{98} 12 13.6 41°.91 0°.1/13.6 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
11 7	5 46.82	+22 43.8	2.887	3.682	10.4	20.1
11 17	5 42.39	+22 48.5	2.805	3.687	8.0	19.9
11 27	5 36.36	+22 52.5	2.749	3.693	5.2	19.8
12 7	5 29.22	+22 55.4	2.720	3.699	2.1	19.6
12 17	5 21.63	+22 57.0	2.722	3.704	1.1	19.5
12 27	5 14.32	+22 57.5	2.755	3.710	4.2	19.7
1 6	5 7.99	+22 57.8	2.817	3.717	7.0	19.9
1 16	5 3.15	+22 58.8	2.905	3.723	9.5	20.1

520365 2014 HK_{160} 12 13.6 269°.79 3°.6/13.2 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 52.47	+14 47.0	1.780	2.585	15.5	22.3
11 17	5 47.83	+14 25.8	1.685	2.569	12.2	22.0
11 27	5 40.48	+14 9.1	1.612	2.553	8.4	21.8
12 7	5 31.08	+13 58.7	1.565	2.537	4.7	21.5
12 17	5 20.64	+13 55.9	1.546	2.520	4.0	21.4
12 27	5 10.45	+14 2.0	1.555	2.503	7.6	21.6
1 6	5 1.77	+14 17.2	1.590	2.486	11.7	21.8
1 16	4 55.54	+14 41.2	1.649	2.469	15.5	22.0

183630 2003 US_{356} 12 13.6 137°.54 1°.0/13.5 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 54.44	+21 9.0	2.097	2.893	13.8	21.5
11 17	5 48.67	+20 54.1	2.021	2.904	10.6	21.3
11 27	5 40.61	+20 38.6	1.970	2.914	6.9	21.1
12 7	5 30.98	+20 22.4	1.946	2.924	2.9	20.9
12 17	5 20.76	+20 6.1	1.952	2.933	1.8	20.8
12 27	5 11.06	+19 51.0	1.988	2.942	5.7	21.1
1 6	5 2.86	+19 38.8	2.053	2.951	9.4	21.3
1 16	4 56.86	+19 30.9	2.143	2.959	12.5	21.6

47387 1999 XF_{103} 12 13.6 89°.15 0°.1/13.6 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 58.01	+21 16.5	1.505	2.316	17.6	19.0
11 17	5 52.27	+21 44.9	1.443	2.332	13.5	18.8
11 27	5 43.35	+22 15.3	1.402	2.349	8.8	18.6
12 7	5 32.19	+22 45.1	1.386	2.365	3.6	18.3
12 17	5 20.16	+23 12.0	1.399	2.381	1.8	18.2
12 27	5 8.89	+23 34.9	1.440	2.397	6.9	18.6
1 6	4 59.77	+23 54.8	1.507	2.413	11.5	18.9
1 16	4 53.68	+24 13.3	1.598	2.428	15.4	19.2

33990 2000 ND_{27} 12 13.6 143°.54 1°.1/13.8 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 57.00	+26 19.7	2.000	2.793	14.4	19.6
11 17	5 50.87	+26 25.4	1.924	2.804	11.2	19.5
11 27	5 42.16	+26 27.2	1.871	2.814	7.3	19.2
12 7	5 31.65	+26 23.4	1.846	2.823	3.2	19.0
12 17	5 20.44	+26 13.0	1.850	2.832	1.8	18.9
12 27	5 9.80	+25 57.3	1.885	2.840	5.8	19.2
1 6	5 0.86	+25 38.6	1.947	2.847	9.6	19.5
1 16	4 54.38	+25 20.1	2.035	2.854	13.0	19.7

9053 Hamamelis 12 13.6 144°.90 1°.7/13.5 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 54.63	+17 30.4	2.162	2.954	13.5	17.9
11 17	5 48.78	+17 36.4	2.085	2.964	10.5	17.7
11 27	5 40.69	+17 45.5	2.032	2.973	6.9	17.5
12 7	5 31.04	+17 57.4	2.006	2.982	3.2	17.3
12 17	5 20.75	+18 11.8	2.011	2.991	2.2	17.2
12 27	5 10.89	+18 28.3	2.047	2.999	5.7	17.5
1 6	5 2.43	+18 47.3	2.111	3.006	9.3	17.7
1 16	4 56.08	+19 8.8	2.200	3.012	12.4	17.9

384274 2009 PD_{2} 12 13.6 65°.62 1°.0/13.8 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 57.65	+26 40.5	1.337	2.157	18.9	21.0
11 17	5 52.25	+26 29.8	1.281	2.175	14.6	20.7
11 27	5 43.37	+26 12.9	1.246	2.194	9.5	20.5
12 7	5 32.17	+25 48.4	1.234	2.213	4.0	20.2
12 17	5 20.23	+25 16.6	1.249	2.232	2.1	20.2
12 27	5 9.35	+24 40.6	1.292	2.250	7.3	20.6
1 6	5 0.96	+24 5.1	1.359	2.269	12.2	20.9
1 16	4 55.88	+23 34.3	1.449	2.288	16.2	21.2

225106 2008 DN_{68} 12 13.6 163°.28 2°.3/14.0 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 53.94	+31 17.3	2.889	3.663	10.9	22.2
11 17	5 47.93	+31 37.4	2.804	3.669	8.6	22.0
11 27	5 40.00	+31 52.3	2.744	3.675	5.9	21.9
12 7	5 30.74	+31 59.7	2.712	3.681	3.3	21.7
12 17	5 20.92	+31 58.6	2.711	3.685	2.5	21.7
12 27	5 11.44	+31 49.2	2.742	3.689	4.7	21.8
1 6	5 3.14	+31 33.3	2.802	3.693	7.4	22.0
1 16	4 56.63	+31 13.5	2.890	3.696	9.9	22.2

13552 1992 GA 12 13.6 254°.10 4°.7/14.6 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 56.87	+36 46.4	2.008	2.788	14.9	18.2
11 17	5 51.31	+37 0.8	1.914	2.777	12.0	18.0
11 27	5 42.75	+37 3.9	1.842	2.766	8.8	17.7
12 7	5 32.00	+36 51.3	1.796	2.755	5.8	17.5
12 17	5 20.26	+36 20.7	1.778	2.744	4.8	17.5
12 27	5 9.02	+35 33.5	1.789	2.733	7.2	17.6
1 6	4 59.62	+34 34.2	1.827	2.721	10.5	17.8
1 16	4 53.01	+33 29.3	1.890	2.709	13.8	17.9

77225 2001 FZ_{33} 12 13.6 201°.13 1°.5/13.4 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
11 7	5 53.14	+19 59.0	2.081	2.879	13.8	20.2
11 17	5 47.84	+19 38.0	1.994	2.877	10.6	20.0
11 27	5 40.19	+19 16.7	1.930	2.874	7.0	19.7
12 7	5 30.88	+18 55.6	1.893	2.870	3.1	19.5
12 17	5 20.85	+18 35.7	1.886	2.866	2.2	19.4
12 27	5 11.21	+18 18.5	1.909	2.862	6.0	19.7
1 6	5 2.99	+18 5.7	1.960	2.858	9.8	19.9
1 16	4 56.95	+17 58.5	2.036	2.853	13.1	20.1

70914 1999 VA_{194} 12 13.6 355°.00 4°.8/13.8 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 54.29	+31 41.0	1.498	2.311	17.5	19.2
11 17	5 50.12	+32 40.0	1.422	2.308	13.9	19.0
11 27	5 42.41	+33 33.3	1.367	2.306	9.9	18.7
12 7	5 31.99	+34 14.9	1.336	2.304	6.0	18.5
12 17	5 20.26	+34 39.7	1.331	2.303	5.1	18.5
12 27	5 9.06	+34 46.3	1.353	2.303	8.3	18.6
1 6	5 0.05	+34 37.8	1.400	2.303	12.5	18.9
1 16	4 54.38	+34 19.6	1.469	2.304	16.3	19.1

334146 2001 RF_{122} 12 13.6 48°.83 2°.0/13.9 16

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 56.59	+27 1.5	1.264	2.089	19.5	20.6
11 17	5 51.69	+27 21.2	1.213	2.109	15.0	20.4
11 27	5 43.15	+27 35.8	1.181	2.129	9.9	20.1
12 7	5 32.14	+27 42.0	1.173	2.150	4.5	19.9
12 17	5 20.30	+27 38.0	1.191	2.172	2.7	19.9
12 27	5 9.53	+27 25.2	1.235	2.194	7.6	20.2
1 6	5 1.35	+27 7.6	1.304	2.216	12.4	20.5
1 16	4 56.61	+26 49.6	1.395	2.238	16.4	20.9

161861 2007 BX_{44} 12 13.6 296°.64 1°.0/13.5 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 53.32	+21 53.0	1.467	2.288	17.4	20.7
11 17	5 49.08	+21 37.3	1.382	2.278	13.6	20.5
11 27	5 41.58	+21 20.0	1.318	2.268	8.9	20.2
12 7	5 31.62	+21 1.3	1.279	2.257	3.8	19.9
12 17	5 20.47	+20 41.7	1.266	2.248	2.2	19.7
12 27	5 9.79	+20 23.1	1.280	2.238	7.5	20.0
1 6	5 1.09	+20 8.2	1.319	2.228	12.6	20.3
1 16	4 55.42	+19 59.4	1.381	2.219	16.9	20.5

190211 2006 BY_{20} 12 13.6 283°.08 4°.4/13.2 17

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 49.25	+10 9.4	2.196	2.988	13.4	20.5
11 17	5 44.71	+ 9 52.3	2.109	2.982	10.6	20.3
11 27	5 38.12	+ 9 42.6	2.046	2.976	7.6	20.1
12 7	5 30.04	+ 9 42.3	2.010	2.971	5.0	19.9
12 17	5 21.30	+ 9 52.5	2.002	2.966	4.6	19.9
12 27	5 12.84	+10 13.5	2.023	2.960	6.9	20.0
1 6	5 5.57	+10 44.5	2.071	2.955	10.0	20.2
1 16	5 0.18	+11 24.0	2.144	2.949	12.9	20.4

407561 2010 XE_{66} 12 13.6 323°.37 2°.9/13.5 17

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 49.48	+14 36.7	1.909	2.716	14.5	21.2
11 17	5 45.32	+14 37.7	1.820	2.705	11.4	21.0
11 27	5 38.74	+14 44.8	1.753	2.695	7.7	20.7
12 7	5 30.37	+14 58.8	1.712	2.685	4.1	20.5
12 17	5 21.12	+15 19.8	1.700	2.676	3.3	20.4
12 27	5 12.15	+15 47.6	1.715	2.667	6.7	20.6
1 6	5 4.55	+16 21.4	1.758	2.658	10.5	20.8
1 16	4 59.15	+17 0.3	1.825	2.650	14.0	21.0

196252 2003 DY_{23} 12 13.6 223°.72 2°.8/13.3 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 53.80	+16 49.1	1.800	2.604	15.4	21.0
11 17	5 48.72	+16 26.7	1.714	2.599	12.0	20.8
11 27	5 40.97	+16 6.9	1.650	2.593	8.1	20.5
12 7	5 31.27	+15 51.1	1.612	2.586	4.1	20.3
12 17	5 20.67	+15 40.4	1.602	2.579	3.4	20.2
12 27	5 10.47	+15 36.1	1.622	2.572	7.1	20.4
1 6	5 1.87	+15 39.3	1.668	2.565	11.2	20.7
1 16	4 55.71	+15 50.2	1.738	2.557	14.9	20.9

92533 2000 OQ_{14} 12 13.6 156°.62 0°.8/13.8 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 57.26	+26 15.7	2.280	3.065	13.1	21.4
11 17	5 50.77	+26 14.5	2.200	3.075	10.1	21.2
11 27	5 41.97	+26 9.2	2.144	3.084	6.6	21.0
12 7	5 31.58	+25 58.7	2.116	3.092	2.8	20.8
12 17	5 20.59	+25 42.5	2.118	3.100	1.5	20.7
12 27	5 10.09	+25 21.8	2.152	3.106	5.3	21.0
1 6	5 1.10	+24 58.9	2.215	3.112	8.8	21.2
1 16	4 54.32	+24 36.6	2.305	3.117	11.9	21.4

367775 2010 XE_{38} 12 13.6 206°.89 0°.8/13.6 17

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 51.35	+19 30.0	2.347	3.142	12.5	21.1
11 17	5 46.29	+19 46.1	2.259	3.140	9.6	20.9
11 27	5 39.14	+20 4.4	2.195	3.138	6.3	20.7
12 7	5 30.47	+20 24.1	2.158	3.136	2.7	20.4
12 17	5 21.12	+20 44.4	2.152	3.134	1.5	20.3
12 27	5 12.04	+21 4.9	2.176	3.131	5.2	20.6
1 6	5 4.16	+21 25.7	2.230	3.129	8.7	20.8
1 16	4 58.19	+21 47.1	2.308	3.126	11.7	21.0

279649 2011 FS_{1} 12 13.6 317°.87 2°.1/13.3 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
11 7	5 48.88	+17 19.7	2.226	3.028	12.9	20.7
11 17	5 44.45	+17 6.1	2.139	3.024	10.0	20.5
11 27	5 37.96	+16 54.8	2.076	3.019	6.7	20.3
12 7	5 29.99	+16 46.5	2.040	3.015	3.3	20.1
12 17	5 21.37	+16 41.9	2.033	3.011	2.6	20.0
12 27	5 13.07	+16 41.8	2.056	3.007	5.7	20.2
1 6	5 5.98	+16 46.9	2.106	3.004	9.2	20.4
1 16	5 0.80	+16 57.3	2.182	3.000	12.3	20.6

179662 2002 QW_{27} 12 13.6 79°.50 0°.2/13.6 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 58.48	+22 7.4	1.425	2.239	18.2	20.6
11 17	5 52.66	+22 19.4	1.370	2.261	14.0	20.4
11 27	5 43.59	+22 31.4	1.335	2.283	9.0	20.1
12 7	5 32.30	+22 41.7	1.325	2.304	3.7	19.9
12 17	5 20.27	+22 48.9	1.343	2.326	1.8	19.8
12 27	5 9.17	+22 53.5	1.389	2.347	7.1	20.2
1 6	5 0.36	+22 57.3	1.461	2.368	11.7	20.5
1 16	4 54.68	+23 2.3	1.555	2.388	15.6	20.8

328842 2009 WY_{73} 12 13.6 68°.22 1°.8/13.3 17

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 49.82	+19 7.1	2.214	3.016	13.0	21.1
11 17	5 45.09	+18 43.1	2.136	3.021	10.0	20.9
11 27	5 38.30	+18 19.4	2.081	3.025	6.6	20.7
12 7	5 30.11	+17 57.2	2.054	3.030	3.1	20.5
12 17	5 21.35	+17 37.3	2.056	3.035	2.3	20.4
12 27	5 13.01	+17 21.3	2.088	3.040	5.6	20.7
1 6	5 5.97	+17 10.5	2.148	3.045	9.0	20.9
1 16	5 0.86	+17 5.5	2.232	3.050	12.0	21.1

227205 2005 QM_{139} 12 13.6 126°.70 1°.2/13.8 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 58.72	+26 11.3	1.838	2.634	15.4	21.6
11 17	5 52.37	+26 22.8	1.769	2.650	11.9	21.4
11 27	5 43.22	+26 30.5	1.722	2.665	7.8	21.2
12 7	5 32.14	+26 32.2	1.702	2.679	3.4	20.9
12 17	5 20.34	+26 26.9	1.711	2.693	1.9	20.8
12 27	5 9.23	+26 15.3	1.751	2.706	6.1	21.2
1 6	5 0.00	+26 0.1	1.818	2.718	10.2	21.4
1 16	4 53.45	+25 44.7	1.909	2.730	13.6	21.7

47117 1999 CE_{72} 12 13.6 331°.36 1°.1/13.4 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 48.71	+21 50.7	1.987	2.798	13.9	18.3
11 17	5 44.66	+21 23.0	1.897	2.787	10.7	18.1
11 27	5 38.25	+20 53.2	1.830	2.777	7.0	17.9
12 7	5 30.16	+20 22.0	1.790	2.768	3.0	17.6
12 17	5 21.32	+19 50.7	1.778	2.759	1.9	17.5
12 27	5 12.84	+19 21.3	1.795	2.750	6.0	17.7
1 6	5 5.76	+18 56.3	1.839	2.742	9.9	18.0
1 16	5 0.85	+18 37.4	1.907	2.735	13.4	18.2

206505 2003 UR_{116} 12 13.6 29°.82 2°.9/13.9 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 53.70	+28 23.8	1.395	2.217	18.1	19.7
11 17	5 49.46	+28 56.0	1.333	2.227	14.1	19.5
11 27	5 41.79	+29 23.1	1.292	2.238	9.5	19.2
12 7	5 31.67	+29 41.0	1.274	2.249	4.7	19.0
12 17	5 20.58	+29 47.1	1.282	2.261	3.3	18.9
12 27	5 10.27	+29 41.7	1.317	2.274	7.5	19.2
1 6	5 2.26	+29 28.3	1.377	2.287	12.0	19.5
1 16	4 57.48	+29 11.3	1.459	2.301	15.9	19.8

356053 2009 DQ_{5} 12 13.6 299°.96 1°.5/13.5 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 51.93	+19 45.7	1.708	2.521	15.7	21.6
11 17	5 47.53	+19 37.3	1.621	2.512	12.2	21.4
11 27	5 40.34	+19 30.1	1.557	2.504	8.0	21.1
12 7	5 31.08	+19 24.3	1.518	2.496	3.5	20.8
12 17	5 20.84	+19 20.1	1.506	2.487	2.3	20.7
12 27	5 10.99	+19 18.5	1.523	2.479	6.8	21.0
1 6	5 2.80	+19 20.7	1.567	2.472	11.2	21.2
1 16	4 57.17	+19 27.7	1.633	2.464	15.1	21.5

302106 2001 GG_{4} 12 13.6 218°.30 3°.1/14.0 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 55.62	+30 45.3	1.973	2.766	14.6	21.5
11 17	5 50.24	+31 13.3	1.886	2.763	11.5	21.3
11 27	5 42.04	+31 35.5	1.822	2.758	7.9	21.1
12 7	5 31.76	+31 48.4	1.784	2.754	4.4	20.8
12 17	5 20.51	+31 49.6	1.774	2.750	3.4	20.8
12 27	5 9.68	+31 39.0	1.794	2.745	6.5	21.0
1 6	5 0.55	+31 19.4	1.841	2.740	10.2	21.2
1 16	4 54.01	+30 55.1	1.913	2.734	13.6	21.4

295051 2008 EY_{110} 12 13.6 11°.97 1°.7/13.5 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 51.39	+18 11.1	1.809	2.619	15.1	20.7
11 17	5 46.85	+18 15.3	1.731	2.619	11.7	20.5
11 27	5 39.74	+18 22.9	1.675	2.620	7.7	20.3
12 7	5 30.79	+18 33.8	1.645	2.622	3.5	20.0
12 17	5 21.02	+18 47.5	1.643	2.623	2.3	19.9
12 27	5 11.68	+19 4.0	1.670	2.625	6.4	20.2
1 6	5 3.90	+19 23.5	1.723	2.627	10.5	20.4
1 16	4 58.51	+19 46.0	1.801	2.629	14.0	20.7

321948 2010 TZ_{166} 12 13.6 81°.13 0°.7/13.6 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
11 7	5 59.98	+21 27.7	1.329	2.145	19.2	21.1
11 17	5 53.91	+21 29.7	1.277	2.169	14.7	20.9
11 27	5 44.42	+21 32.1	1.246	2.194	9.5	20.7
12 7	5 32.65	+21 33.5	1.239	2.218	3.9	20.5
12 17	5 20.16	+21 33.4	1.260	2.242	2.1	20.4
12 27	5 8.74	+21 32.5	1.308	2.265	7.4	20.8
1 6	4 59.80	+21 32.9	1.381	2.288	12.2	21.1
1 16	4 54.17	+21 36.6	1.477	2.311	16.2	21.4

32596 2001 QS_{154} 12 13.7 76°.33 4°.2/13.2 18

11 7	5 54.32	+14 42.2	1.528	2.340	17.3	18.9
11 17	5 49.18	+14 4.9	1.467	2.355	13.5	18.7
11 27	5 41.21	+13 32.8	1.429	2.370	9.2	18.5
12 7	5 31.34	+13 8.4	1.415	2.385	5.2	18.3
12 17	5 20.80	+12 53.8	1.428	2.401	4.6	18.3
12 27	5 11.00	+12 50.5	1.469	2.416	8.1	18.5
1 6	5 3.13	+12 58.5	1.535	2.431	12.0	18.8
1 16	4 57.96	+13 17.0	1.624	2.446	15.6	19.0

3954 Mendelssohn 12 13.7 211°.40 2°.3/13.4 18

11 7	5 56.59	+18 32.8	1.520	2.332	17.4	18.3
11 17	5 51.38	+18 16.2	1.439	2.328	13.6	18.0
11 27	5 42.98	+18 1.6	1.378	2.324	9.0	17.7
12 7	5 32.20	+17 49.6	1.343	2.319	4.2	17.4
12 17	5 20.32	+17 40.9	1.335	2.314	3.0	17.4
12 27	5 8.94	+17 36.9	1.355	2.309	7.7	17.6
1 6	4 59.52	+17 39.0	1.400	2.303	12.5	17.9
1 16	4 53.08	+17 48.2	1.469	2.296	16.6	18.1

482551 2012 VH_9 12 13.7 110°.60 0°.1/13.7 18

11 7	5 57.95	+24 3.8	1.857	2.654	15.3	22.1
11 17	5 51.59	+23 57.2	1.793	2.675	11.7	21.9
11 27	5 42.60	+23 47.8	1.751	2.696	7.6	21.7
12 7	5 31.87	+23 34.7	1.737	2.715	3.1	21.5
12 17	5 20.56	+23 17.9	1.752	2.734	1.5	21.4
12 27	5 9.98	+22 59.0	1.797	2.753	6.0	21.7
1 6	5 1.25	+22 40.5	1.870	2.771	9.9	22.0
1 16	4 55.07	+22 24.9	1.968	2.788	13.3	22.3

283815 2003 SU_{251} 12 13.7 35°.35 3°.6/13.9 18

11 7	5 55.80	+28 34.0	1.213	2.041	19.9	19.5
11 17	5 51.29	+29 26.7	1.169	2.065	15.4	19.3
11 27	5 43.01	+30 13.5	1.144	2.090	10.4	19.1
12 7	5 32.15	+30 48.8	1.142	2.117	5.4	18.9
12 17	5 20.43	+31 8.8	1.166	2.144	4.0	18.9
12 27	5 9.85	+31 13.6	1.215	2.172	8.1	19.2
1 6	5 1.95	+31 7.3	1.289	2.200	12.6	19.5
1 16	4 57.60	+30 55.2	1.384	2.230	16.5	19.8

421050 2013 QV 12 13.7 342°.66 1°.4/13.9 17

11 7	5 51.31	+28 43.9	2.280	3.075	12.8	20.6
11 17	5 46.37	+28 35.2	2.194	3.074	10.0	20.4
11 27	5 39.22	+28 20.6	2.132	3.073	6.6	20.2
12 7	5 30.53	+27 59.0	2.097	3.073	3.1	20.0
12 17	5 21.21	+27 30.6	2.091	3.072	1.9	19.9
12 27	5 12.32	+26 56.7	2.116	3.072	5.2	20.1
1 6	5 4.82	+26 20.3	2.169	3.071	8.7	20.3
1 16	4 59.40	+25 44.6	2.247	3.071	11.8	20.5

370485 2003 QQ_{67} 12 13.7 107°.07 2°.6/13.3 15

11 7	5 59.19	+18 5.5	1.578	2.382	17.2	21.6
11 17	5 52.77	+17 37.6	1.520	2.404	13.3	21.4
11 27	5 43.46	+17 11.6	1.483	2.426	8.7	21.2
12 7	5 32.23	+16 48.8	1.472	2.448	4.2	21.0
12 17	5 20.40	+16 30.5	1.490	2.468	3.2	20.9
12 27	5 9.44	+16 18.3	1.537	2.488	7.3	21.2
1 6	5 0.55	+16 13.7	1.610	2.507	11.5	21.5
1 16	4 54.49	+16 17.2	1.707	2.525	15.1	21.8

364484 2007 DE_{70} 12 13.7 86°.51 1°.3/13.5 18

11 7	5 51.29	+19 45.0	2.129	2.930	13.4	21.4
11 17	5 46.29	+19 36.3	2.055	2.940	10.3	21.2
11 27	5 39.12	+19 28.4	2.006	2.950	6.7	21.0
12 7	5 30.47	+19 21.6	1.983	2.960	2.9	20.7
12 17	5 21.25	+19 16.0	1.990	2.970	1.9	20.7
12 27	5 12.49	+19 12.6	2.026	2.980	5.5	21.0
1 6	5 5.11	+19 12.2	2.091	2.990	9.1	21.2
1 16	4 59.79	+19 15.6	2.180	3.000	12.2	21.4

45666 2000 EX_{91} 12 13.7 1°.17 7°.9/11.9 18

11 7	5 47.43	+ 3 37.7	2.027	2.811	14.6	18.3
11 17	5 43.38	+ 2 22.1	1.954	2.810	12.1	18.1
11 27	5 37.28	+ 1 16.8	1.905	2.810	9.7	18.0
12 7	5 29.75	+ 0 27.0	1.880	2.810	8.1	17.9
12 17	5 21.62	− 0 3.5	1.882	2.810	8.1	17.9
12 27	5 13.88	− 0 12.5	1.910	2.811	9.8	18.0
1 6	5 7.40	− 0 0.8	1.964	2.812	12.1	18.1
1 16	5 2.83	+ 0 29.0	2.039	2.814	14.5	18.3

431652 2008 BL_{32} 12 13.7 194°.02 1°.2/13.5 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
11 7	5 56.62	+20 23.3	1.860	2.659	15.2	22.5
11 17	5 50.85	+20 15.0	1.774	2.657	11.7	22.3
11 27	5 42.36	+20 6.9	1.711	2.655	7.7	22.0
12 7	5 31.89	+19 58.9	1.674	2.652	3.3	21.8
12 17	5 20.53	+19 51.1	1.667	2.648	2.1	21.7
12 27	5 9.60	+19 44.4	1.689	2.644	6.4	21.9
1 6	5 0.32	+19 40.4	1.739	2.638	10.7	22.2
1 16	4 53.56	+19 40.7	1.814	2.632	14.3	22.4

169988 2002 TC_{220} 12 13.7 131°.63 4°.6/12.3 18

11 7	5 48.84	+10 43.7	2.542	3.328	11.9	19.9
11 17	5 44.01	+ 9 40.8	2.464	3.332	9.5	19.7
11 27	5 37.46	+ 8 42.0	2.411	3.336	6.9	19.5
12 7	5 29.77	+ 7 50.3	2.386	3.340	4.9	19.4
12 17	5 21.63	+ 7 8.4	2.390	3.344	4.9	19.4
12 27	5 13.84	+ 6 38.6	2.424	3.348	6.8	19.6
1 6	5 7.13	+ 6 21.5	2.486	3.352	9.3	19.7
1 16	5 2.04	+ 6 16.7	2.573	3.356	11.6	19.9

421061 2013 QS_{12} 12 13.7 61°.58 3°.0/14.6 18

11 7	5 52.99	+34 25.4	2.405	3.185	12.7	20.3
11 17	5 47.58	+34 15.8	2.322	3.189	10.0	20.1
11 27	5 39.94	+33 56.5	2.262	3.192	7.0	19.9
12 7	5 30.80	+33 26.0	2.229	3.195	4.1	19.7
12 17	5 21.12	+32 44.0	2.225	3.199	3.1	19.7
12 27	5 11.96	+31 52.5	2.252	3.202	5.4	19.8
1 6	5 4.27	+30 55.3	2.308	3.206	8.5	20.0
1 16	4 58.71	+29 56.7	2.390	3.209	11.3	20.2

220949 2005 KD_{10} 12 13.7 115°.88 4°.4/13.3 18

11 7	5 56.16	+12 49.4	1.654	2.455	16.7	20.9
11 17	5 50.43	+12 24.0	1.590	2.470	13.1	20.7
11 27	5 41.98	+12 5.8	1.547	2.484	9.1	20.5
12 7	5 31.68	+11 56.5	1.530	2.498	5.4	20.4
12 17	5 20.68	+11 57.6	1.541	2.511	4.8	20.3
12 27	5 10.36	+12 9.6	1.580	2.524	7.9	20.6
1 6	5 1.85	+12 31.8	1.646	2.537	11.7	20.8
1 16	4 55.94	+13 2.9	1.735	2.549	15.1	21.1

304221 2006 QJ_{158} 12 13.7 5°.18 0°.3/13.6 17

11 7	5 50.60	+22 59.8	1.482	2.308	17.1	20.5
11 17	5 46.83	+22 53.8	1.410	2.307	13.2	20.2
11 27	5 40.00	+22 46.3	1.358	2.308	8.6	20.0
12 7	5 30.98	+22 36.6	1.330	2.309	3.5	19.7
12 17	5 21.01	+22 24.9	1.329	2.312	1.8	19.6
12 27	5 11.64	+22 12.5	1.355	2.315	7.0	19.9
1 6	5 4.21	+22 1.7	1.406	2.319	11.7	20.2
1 16	4 59.65	+21 54.8	1.480	2.323	15.7	20.4

268728 2006 JX_{52} 12 13.7 118°.16 1°.3/13.4 18

11 7	5 49.77	+19 1.1	2.678	3.469	11.2	21.1
11 17	5 44.68	+18 49.6	2.603	3.482	8.6	21.0
11 27	5 37.88	+18 38.9	2.552	3.494	5.6	20.8
12 7	5 29.93	+18 29.4	2.529	3.505	2.6	20.6
12 17	5 21.55	+18 21.5	2.537	3.517	1.8	20.6
12 27	5 13.54	+18 15.9	2.576	3.528	4.7	20.8
1 6	5 6.61	+18 13.5	2.644	3.539	7.7	21.0
1 16	5 1.31	+18 14.8	2.739	3.550	10.3	21.2

45030 1999 WJ_{13} 12 13.7 244°.53 0°.7/13.7 18

11 7	5 54.12	+24 35.7	1.955	2.756	14.4	20.1
11 17	5 49.02	+24 47.6	1.862	2.746	11.2	19.8
11 27	5 41.24	+24 57.6	1.792	2.737	7.4	19.6
12 7	5 31.47	+25 4.3	1.749	2.727	3.1	19.3
12 17	5 20.74	+25 6.2	1.735	2.717	1.6	19.2
12 27	5 10.33	+25 3.7	1.750	2.707	6.0	19.4
1 6	5 1.45	+24 58.4	1.793	2.696	10.2	19.7
1 16	4 55.01	+24 52.7	1.861	2.685	13.8	19.9

332626 2008 TU_{118} 12 13.7 321°.50 4°.3/12.7 17

11 7	5 48.28	+12 23.4	2.201	2.998	13.1	20.7
11 17	5 43.96	+11 37.8	2.117	2.994	10.4	20.5
11 27	5 37.63	+10 56.5	2.056	2.990	7.4	20.3
12 7	5 29.90	+10 22.0	2.023	2.986	4.8	20.1
12 17	5 21.56	+ 9 56.7	2.017	2.982	4.6	20.1
12 27	5 13.56	+ 9 42.4	2.041	2.978	7.0	20.2
1 6	5 6.75	+ 9 39.7	2.092	2.974	10.0	20.4
1 16	5 1.80	+ 9 48.2	2.167	2.971	12.8	20.6

485576 2011 UK_{193} 12 13.7 46°.44 3°.7/13.9 18

11 7	5 53.93	+12 2.7	1.530	2.339	17.4	20.2
11 17	5 48.96	+12 23.6	1.471	2.356	13.6	20.0
11 27	5 41.15	+12 55.4	1.433	2.373	9.3	19.8
12 7	5 31.37	+13 37.9	1.420	2.391	5.1	19.6
12 17	5 20.85	+14 29.6	1.434	2.410	4.0	19.6
12 27	5 10.99	+15 28.0	1.477	2.428	7.5	19.8
1 6	5 3.02	+16 30.3	1.546	2.448	11.6	20.1
1 16	4 57.74	+17 34.2	1.638	2.467	15.1	20.4

116787 2004 EX_{34} 12 13.7 264°.21 3°.9/13.2 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
11 7	5 53.57	+15 5.9	1.598	2.409	16.7	20.3
11 17	5 48.96	+14 38.2	1.510	2.397	13.2	20.1
11 27	5 41.40	+14 14.8	1.443	2.385	9.1	19.8
12 7	5 31.59	+13 57.9	1.401	2.373	5.0	19.5
12 17	5 20.69	+13 49.2	1.386	2.360	4.4	19.5
12 27	5 10.13	+13 50.4	1.399	2.348	8.1	19.7
1 6	5 1.28	+14 1.9	1.437	2.335	12.6	19.9
1 16	4 55.15	+14 23.6	1.498	2.322	16.6	20.1

195004 2002 CX_{3} 12 13.7 344°.49 5°.9/14.1 18

11 7	5 50.18	+32 49.8	1.175	2.010	20.0	19.3
11 17	5 47.94	+33 43.0	1.099	1.997	16.1	19.0
11 27	5 41.56	+34 28.1	1.042	1.985	11.6	18.7
12 7	5 31.88	+34 57.9	1.006	1.975	7.3	18.4
12 17	5 20.51	+35 6.6	0.994	1.966	6.2	18.3
12 27	5 9.71	+34 53.1	1.005	1.959	9.8	18.5
1 6	5 1.55	+34 22.1	1.039	1.953	14.6	18.8
1 16	4 57.37	+33 41.6	1.092	1.949	19.0	19.0

419413 2010 AK_{70} 12 13.7 340°.76 7°.5/14.4 17

11 7	5 50.89	− 0 13.9	2.020	2.785	15.3	19.9
11 17	5 46.17	− 0 7.3	1.935	2.778	12.8	19.7
11 27	5 39.21	+ 0 17.3	1.871	2.771	10.2	19.5
12 7	5 30.60	+ 1 2.6	1.831	2.764	8.1	19.4
12 17	5 21.21	+ 2 9.1	1.819	2.758	7.6	19.3
12 27	5 12.09	+ 3 35.1	1.836	2.753	9.1	19.4
1 6	5 4.25	+ 5 16.1	1.880	2.748	11.7	19.6
1 16	4 58.44	+ 7 6.9	1.948	2.743	14.4	19.8

145387 2005 NV_{18} 12 13.7 209°.50 0°.8/13.6 18 R

11 7	5 56.65	+21 28.8	1.920	2.717	14.8	21.1
11 17	5 50.88	+21 20.6	1.828	2.711	11.5	20.9
11 27	5 42.41	+21 11.6	1.760	2.704	7.5	20.6
12 7	5 31.94	+21 1.5	1.718	2.696	3.2	20.3
12 17	5 20.54	+20 50.2	1.706	2.688	1.8	20.2
12 27	5 9.52	+20 38.9	1.724	2.679	6.3	20.5
1 6	5 0.09	+20 29.3	1.770	2.669	10.5	20.7
1 16	4 53.14	+20 23.4	1.840	2.658	14.2	21.0

410836 2009 QN_{28} 12 13.7 92°.73 0°.9/13.8 18

11 7	5 53.19	+25 56.4	2.169	2.965	13.4	21.9
11 17	5 47.76	+25 59.9	2.099	2.980	10.3	21.7
11 27	5 40.08	+26 0.0	2.052	2.995	6.7	21.5
12 7	5 30.88	+25 55.6	2.032	3.010	2.9	21.3
12 17	5 21.12	+25 46.1	2.042	3.024	1.5	21.3
12 27	5 11.89	+25 32.6	2.082	3.038	5.3	21.5
1 6	5 4.15	+25 17.1	2.151	3.053	8.8	21.8
1 16	4 58.56	+25 2.0	2.245	3.066	11.8	22.0

369546 2011 AN_{31} 12 13.7 255°.30 1°.7/13.6 17

11 7	5 50.62	+17 13.6	2.286	3.083	12.7	21.3
11 17	5 45.81	+17 21.0	2.196	3.077	9.9	21.1
11 27	5 38.90	+17 31.8	2.129	3.072	6.6	20.9
12 7	5 30.46	+17 46.0	2.090	3.066	3.1	20.6
12 17	5 21.31	+18 3.3	2.080	3.060	2.2	20.6
12 27	5 12.41	+18 23.4	2.101	3.054	5.5	20.8
1 6	5 4.71	+18 46.3	2.150	3.048	9.0	21.0
1 16	4 58.91	+19 11.9	2.225	3.042	12.1	21.2

378078 2006 UQ_{69} 12 13.7 90°.00 2°.7/13.8 17

11 7	6 0.19	+27 28.1	1.465	2.273	18.1	21.0
11 17	5 54.26	+28 11.2	1.404	2.290	14.0	20.8
11 27	5 44.84	+28 50.4	1.365	2.308	9.4	20.6
12 7	5 32.95	+29 21.0	1.350	2.325	4.6	20.4
12 17	5 20.11	+29 39.4	1.363	2.343	3.2	20.3
12 27	5 8.12	+29 45.4	1.405	2.359	7.4	20.6
1 6	4 58.53	+29 42.1	1.472	2.376	11.9	20.9
1 16	4 52.26	+29 33.9	1.561	2.392	15.7	21.2

91018 1998 DA_{20} 12 13.7 342°.70 2°.2/13.5 18

11 7	5 49.30	+18 53.1	1.267	2.104	18.7	19.1
11 17	5 46.38	+18 41.7	1.190	2.093	14.6	18.8
11 27	5 40.06	+18 33.2	1.132	2.084	9.7	18.5
12 7	5 31.15	+18 28.4	1.098	2.076	4.4	18.2
12 17	5 20.98	+18 28.1	1.088	2.069	3.1	18.1
12 27	5 11.30	+18 33.1	1.103	2.062	8.2	18.4
1 6	5 3.71	+18 44.4	1.142	2.057	13.5	18.6
1 16	4 59.32	+19 2.5	1.202	2.053	18.0	18.9

125292 2001 VU_{24} 12 13.7 24°.72 1°.2/13.8 18

11 7	5 52.41	+25 51.7	1.153	1.992	20.1	19.3
11 17	5 48.89	+25 55.7	1.097	2.001	15.5	19.1
11 27	5 41.61	+25 55.0	1.060	2.012	10.2	18.8
12 7	5 31.69	+25 47.7	1.046	2.025	4.3	18.5
12 17	5 20.78	+25 33.2	1.056	2.038	2.3	18.4
12 27	5 10.85	+25 13.3	1.091	2.052	7.9	18.8
1 6	5 3.49	+24 52.2	1.150	2.068	13.1	19.1
1 16	4 59.64	+24 33.8	1.229	2.084	17.5	19.5

218120 2002 PR_{110} 12 13.7 102°.99 0°.5/13.7 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
11 7	5 58.12	+20 59.6	1.552	2.360	17.2	20.8
11 17	5 52.32	+21 17.0	1.487	2.376	13.3	20.6
11 27	5 43.43	+21 36.0	1.444	2.391	8.6	20.4
12 7	5 32.36	+21 54.8	1.427	2.405	3.5	20.1
12 17	5 20.44	+22 11.8	1.437	2.420	1.8	20.0
12 27	5 9.25	+22 26.6	1.477	2.434	6.8	20.4
1 6	5 0.13	+22 40.2	1.542	2.447	11.4	20.7
1 16	4 53.96	+22 54.3	1.631	2.460	15.2	21.0

102394 1999 TL_{161} 12 13.7 140°.75 2°.3/13.9 18

11 7	5 59.29	+28 42.6	1.684	2.483	16.5	20.5
11 17	5 53.26	+28 59.5	1.610	2.491	12.9	20.3
11 27	5 44.08	+29 10.6	1.559	2.500	8.6	20.0
12 7	5 32.64	+29 12.5	1.533	2.508	4.2	19.8
12 17	5 20.30	+29 3.6	1.536	2.515	2.8	19.7
12 27	5 8.65	+28 44.7	1.567	2.522	6.8	20.0
1 6	4 59.08	+28 19.5	1.626	2.529	11.0	20.3
1 16	4 52.51	+27 52.7	1.708	2.534	14.8	20.5

451899 2014 JM_{65} 12 13.7 117°.41 1°.4/13.5 18

11 7	5 53.77	+19 1.0	2.150	2.945	13.5	22.2
11 17	5 48.13	+18 55.6	2.080	2.961	10.4	22.0
11 27	5 40.30	+18 51.6	2.032	2.975	6.8	21.8
12 7	5 31.00	+18 49.1	2.013	2.990	3.0	21.6
12 17	5 21.14	+18 48.2	2.023	3.004	2.0	21.6
12 27	5 11.78	+18 49.4	2.064	3.017	5.6	21.8
1 6	5 3.85	+18 53.5	2.133	3.030	9.1	22.1
1 16	4 58.00	+19 1.2	2.227	3.043	12.1	22.3

243883 2000 YO_{46} 12 13.7 269°.43 0°.4/13.7 18

11 7	5 53.80	+25 9.3	1.809	2.615	15.2	20.2
11 17	5 48.98	+25 1.5	1.716	2.603	11.9	20.0
11 27	5 41.33	+24 49.8	1.645	2.591	7.8	19.7
12 7	5 31.58	+24 33.1	1.600	2.579	3.3	19.4
12 17	5 20.81	+24 11.3	1.584	2.566	1.6	19.3
12 27	5 10.42	+23 45.8	1.596	2.554	6.4	19.5
1 6	5 1.70	+23 19.7	1.636	2.541	10.8	19.8
1 16	4 55.57	+22 56.1	1.699	2.528	14.7	20.0

454329 Ericpiquette 12 13.7 115°.61 3°.1/13.5 18

11 7	5 53.04	+13 17.5	2.262	3.050	13.2	22.1
11 17	5 47.41	+13 10.8	2.193	3.067	10.3	21.9
11 27	5 39.76	+13 9.6	2.148	3.083	7.0	21.7
12 7	5 30.77	+13 14.6	2.131	3.099	4.0	21.6
12 17	5 21.28	+13 26.1	2.143	3.115	3.4	21.6
12 27	5 12.23	+13 44.2	2.186	3.130	6.0	21.7
1 6	5 4.50	+14 8.2	2.257	3.145	9.1	22.0
1 16	4 58.68	+14 37.5	2.354	3.159	11.9	22.2

402990 2007 VJ_{100} 12 13.7 17°.62 0°.4/13.7 18

11 7	5 52.56	+25 28.3	1.582	2.399	16.6	21.1
11 17	5 48.15	+25 10.9	1.508	2.401	12.8	20.8
11 27	5 40.78	+24 48.7	1.456	2.404	8.4	20.6
12 7	5 31.31	+24 21.0	1.429	2.408	3.5	20.3
12 17	5 21.00	+23 48.5	1.429	2.412	1.7	20.2
12 27	5 11.34	+23 13.9	1.457	2.416	6.7	20.5
1 6	5 3.62	+22 40.6	1.511	2.421	11.2	20.8
1 16	4 58.68	+22 12.2	1.588	2.426	15.1	21.1

523380 2017 DB_{12} 12 13.7 357°.36 0°.6/13.7 18

11 7	5 52.63	+23 11.6	1.791	2.600	15.2	21.0
11 17	5 48.02	+23 36.9	1.710	2.599	11.8	20.8
11 27	5 40.67	+24 2.6	1.652	2.598	7.7	20.5
12 7	5 31.29	+24 26.6	1.619	2.598	3.2	20.2
12 17	5 20.98	+24 47.0	1.615	2.598	1.7	20.1
12 27	5 11.09	+25 3.1	1.640	2.598	6.2	20.4
1 6	5 2.84	+25 16.0	1.692	2.598	10.4	20.7
1 16	4 57.13	+25 27.1	1.767	2.599	14.1	20.9

198672 2005 BJ_{42} 12 13.7 186°.05 0°.5/13.6 18

11 7	5 49.89	+21 23.4	2.812	3.602	10.8	21.4
11 17	5 44.84	+21 21.3	2.723	3.601	8.3	21.2
11 27	5 38.07	+21 18.9	2.658	3.601	5.4	21.0
12 7	5 30.10	+21 16.0	2.622	3.600	2.2	20.8
12 17	5 21.61	+21 12.6	2.617	3.599	1.3	20.7
12 27	5 13.38	+21 9.1	2.643	3.597	4.4	21.0
1 6	5 6.17	+21 6.5	2.698	3.595	7.4	21.2
1 16	5 0.54	+21 5.7	2.780	3.593	10.1	21.3

438481 2007 ED_{195} 12 13.7 237°.85 1°.6/13.5 18

11 7	5 54.49	+19 43.3	1.733	2.540	15.7	22.2
11 17	5 49.49	+19 31.1	1.645	2.533	12.2	21.9
11 27	5 41.66	+19 19.8	1.579	2.525	8.1	21.7
12 7	5 31.72	+19 9.6	1.539	2.517	3.6	21.4
12 17	5 20.78	+19 0.8	1.528	2.508	2.4	21.3
12 27	5 10.24	+18 54.6	1.545	2.500	6.8	21.5
1 6	5 1.37	+18 52.5	1.589	2.491	11.3	21.8
1 16	4 55.12	+18 55.8	1.656	2.482	15.2	22.0

439106 2011 SN_{67} 12 13.7 65°.92 0°.3/13.7 16

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
11 7	5 58.23	+25 0.7	1.659	2.462	16.5	21.2
11 17	5 51.88	+24 48.0	1.611	2.497	12.6	21.1
11 27	5 42.78	+24 31.4	1.586	2.531	8.1	20.9
12 7	5 31.98	+24 10.3	1.587	2.566	3.3	20.7
12 17	5 20.77	+23 45.3	1.617	2.599	1.6	20.6
12 27	5 10.56	+23 18.5	1.676	2.633	6.2	21.0
1 6	5 2.42	+22 53.1	1.762	2.666	10.2	21.3
1 16	4 57.02	+22 31.8	1.872	2.699	13.6	21.6

203036 2000 CX_{65} 12 13.7 232°.53 2°.8/13.3 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 52.19	+15 38.6	2.166	2.961	13.4	20.7
11 17	5 47.13	+15 20.3	2.072	2.951	10.5	20.5
11 27	5 39.83	+15 5.1	2.002	2.941	7.1	20.3
12 7	5 30.91	+14 54.2	1.959	2.931	3.8	20.1
12 17	5 21.21	+14 48.7	1.945	2.920	3.2	20.0
12 27	5 11.78	+14 49.3	1.961	2.909	6.3	20.2
1 6	5 3.62	+14 56.7	2.005	2.897	9.8	20.4
1 16	4 57.48	+15 10.9	2.074	2.885	13.1	20.5

443983 2003 WP_{19} 12 13.7 332°.58 0°.7/13.9 17

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 53.75	+28 15.5	1.590	2.403	16.7	20.7
11 17	5 49.18	+27 31.8	1.506	2.396	13.0	20.4
11 27	5 41.51	+26 37.8	1.443	2.390	8.6	20.2
12 7	5 31.65	+25 33.4	1.405	2.384	3.6	19.9
12 17	5 20.88	+24 20.8	1.396	2.378	1.8	19.7
12 27	5 10.75	+23 4.9	1.414	2.373	6.8	20.0
1 6	5 2.63	+21 51.8	1.459	2.368	11.6	20.3
1 16	4 57.39	+20 47.1	1.528	2.364	15.7	20.5

940 Kordula 12 13.7 71°.60 0°.7/13.8 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 50.96	+24 47.8	2.437	3.231	12.1	14.8
11 17	5 45.87	+25 4.2	2.366	3.247	9.3	14.6
11 27	5 38.81	+25 18.9	2.320	3.263	6.0	14.4
12 7	5 30.42	+25 30.5	2.302	3.279	2.6	14.2
12 17	5 21.50	+25 38.1	2.314	3.296	1.4	14.1
12 27	5 13.01	+25 42.0	2.356	3.312	4.8	14.4
1 6	5 5.78	+25 43.3	2.427	3.328	8.0	14.6
1 16	5 0.42	+25 43.4	2.524	3.344	10.7	14.9

331841 2003 UO_{166} 12 13.7 273°.00 3°.1/12.9 17

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 49.11	+15 23.3	2.319	3.116	12.6	21.2
11 17	5 44.53	+14 43.3	2.234	3.114	9.8	21.1
11 27	5 37.99	+14 5.3	2.173	3.112	6.7	20.9
12 7	5 30.11	+13 31.4	2.140	3.109	3.9	20.7
12 17	5 21.66	+13 3.4	2.136	3.107	3.5	20.6
12 27	5 13.54	+12 43.2	2.161	3.105	6.1	20.8
1 6	5 6.61	+12 31.7	2.214	3.102	9.2	21.0
1 16	5 1.47	+12 29.3	2.293	3.100	12.1	21.2

210077 2006 QF_{25} 12 13.7 56°.41 3°.4/13.4 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 51.91	+14 47.3	1.737	2.545	15.7	20.2
11 17	5 47.22	+14 30.7	1.668	2.553	12.2	20.0
11 27	5 39.99	+14 19.6	1.620	2.562	8.3	19.8
12 7	5 30.97	+14 15.2	1.598	2.570	4.5	19.6
12 17	5 21.25	+14 18.4	1.604	2.579	3.8	19.5
12 27	5 12.05	+14 29.8	1.638	2.587	7.1	19.8
1 6	5 4.49	+14 49.0	1.698	2.596	11.0	20.0
1 16	4 59.33	+15 15.3	1.782	2.605	14.4	20.2

8072 Yojikondo 12 13.7 282°.40 1°.7/13.9 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 55.01	+26 47.9	1.598	2.409	16.7	18.2
11 17	5 50.50	+27 3.6	1.504	2.393	13.1	17.9
11 27	5 42.68	+27 15.9	1.432	2.377	8.8	17.7
12 7	5 32.29	+27 21.7	1.384	2.361	4.0	17.3
12 17	5 20.55	+27 19.0	1.363	2.344	2.4	17.2
12 27	5 9.12	+27 7.8	1.370	2.328	7.2	17.4
1 6	4 59.59	+26 51.0	1.403	2.311	12.0	17.7
1 16	4 53.10	+26 32.8	1.459	2.295	16.3	17.9

472836 2015 FB_{226} 12 13.7 15°.48 5°.2/13.3 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 53.11	+13 15.7	1.253	2.079	19.5	21.4
11 17	5 49.09	+12 44.2	1.186	2.081	15.4	21.1
11 27	5 41.69	+12 20.9	1.139	2.082	10.8	20.9
12 7	5 31.81	+12 9.1	1.114	2.084	6.4	20.6
12 17	5 20.86	+12 10.9	1.114	2.087	5.6	20.6
12 27	5 10.57	+12 27.3	1.140	2.090	9.5	20.8
1 6	5 2.45	+12 57.1	1.189	2.093	14.1	21.1
1 16	4 57.52	+13 38.1	1.259	2.097	18.3	21.4

148249 2000 EO_{125} 12 13.7 240°.70 1°.2/13.8 18 R

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 56.52	+25 34.2	1.797	2.598	15.5	20.9
11 17	5 51.22	+25 49.6	1.703	2.587	12.1	20.6
11 27	5 42.92	+26 2.6	1.631	2.575	8.0	20.4
12 7	5 32.32	+26 10.9	1.585	2.562	3.5	20.1
12 17	5 20.57	+26 12.6	1.568	2.550	2.0	19.9
12 27	5 9.14	+26 7.7	1.580	2.536	6.5	20.2
1 6	4 59.42	+25 58.5	1.619	2.522	11.0	20.4
1 16	4 52.44	+25 48.1	1.682	2.508	14.9	20.7

520977 2015 AF_3 12 13.7 85°.92 2°.0/13.8 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
11 7	5 54.75	+13 29.5	2.497	3.275	12.3	21.1
11 17	5 48.56	+14 6.2	2.429	3.299	9.5	20.9
11 27	5 40.48	+14 49.1	2.387	3.322	6.4	20.8
12 7	5 31.11	+15 37.2	2.373	3.346	3.2	20.6
12 17	5 21.24	+16 28.9	2.391	3.368	2.3	20.6
12 27	5 11.78	+17 22.6	2.442	3.391	5.1	20.8
1 6	5 3.54	+18 16.9	2.522	3.413	8.1	21.0
1 16	4 57.10	+19 10.7	2.630	3.435	10.8	21.3

464478 2016 BK_{52} 12 13.7 32°.56 10°.5/14.9 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 50.18	− 6 20.2	1.830	2.580	17.2	20.2
11 17	5 45.60	− 6 47.2	1.775	2.594	14.8	20.0
11 27	5 38.77	− 6 51.9	1.740	2.609	12.6	19.9
12 7	5 30.45	− 6 29.9	1.728	2.625	10.9	19.9
12 17	5 21.59	− 5 39.9	1.740	2.642	10.5	19.9
12 27	5 13.28	− 4 23.6	1.777	2.659	11.5	20.0
1 6	5 6.45	− 2 46.1	1.839	2.676	13.3	20.1
1 16	5 1.76	− 0 54.2	1.924	2.695	15.4	20.3

139244 2001 HM_{30} 12 13.7 240°.57 1°.7/13.4 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 55.48	+20 57.4	1.676	2.484	16.2	20.8
11 17	5 50.38	+20 28.5	1.587	2.475	12.6	20.5
11 27	5 42.32	+19 57.7	1.519	2.465	8.3	20.2
12 7	5 32.05	+19 25.8	1.477	2.454	3.7	19.9
12 17	5 20.75	+18 54.1	1.463	2.444	2.5	19.8
12 27	5 9.87	+18 25.2	1.478	2.432	7.1	20.1
1 6	5 0.77	+18 1.9	1.519	2.421	11.7	20.3
1 16	4 54.40	+17 46.5	1.584	2.409	15.7	20.6

159361 2007 GU_{23} 12 13.7 226°.96 0°.7/13.8 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 55.80	+24 52.4	1.882	2.682	15.0	21.1
11 17	5 50.44	+24 58.8	1.790	2.674	11.6	20.9
11 27	5 42.28	+25 2.7	1.721	2.665	7.7	20.7
12 7	5 32.03	+25 2.4	1.679	2.657	3.3	20.4
12 17	5 20.77	+24 56.9	1.665	2.647	1.7	20.2
12 27	5 9.89	+24 46.8	1.681	2.638	6.2	20.5
1 6	5 0.64	+24 34.3	1.725	2.628	10.5	20.7
1 16	4 53.96	+24 22.1	1.792	2.617	14.2	21.0

493218 2014 UP_{59} 12 13.7 45°.30 6°.1/12.6 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 48.84	+ 7 53.0	1.997	2.791	14.4	20.5
11 17	5 44.43	+ 6 54.5	1.934	2.803	11.6	20.4
11 27	5 37.96	+ 6 4.6	1.894	2.816	8.7	20.2
12 7	5 30.12	+ 5 27.1	1.880	2.829	6.5	20.1
12 17	5 21.77	+ 5 4.7	1.893	2.843	6.4	20.1
12 27	5 13.92	+ 4 58.9	1.934	2.857	8.3	20.3
1 6	5 7.41	+ 5 9.1	2.001	2.871	11.0	20.5
1 16	5 2.87	+ 5 33.2	2.091	2.885	13.6	20.7

180882 2005 JU_{111} 12 13.7 169°.75 2°.8/13.9 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 59.94	+29 25.3	1.842	2.632	15.6	21.4
11 17	5 53.71	+29 57.9	1.761	2.637	12.2	21.2
11 27	5 44.43	+30 25.5	1.703	2.640	8.3	20.9
12 7	5 32.90	+30 44.1	1.671	2.643	4.3	20.7
12 17	5 20.37	+30 50.8	1.668	2.645	3.2	20.6
12 27	5 8.36	+30 45.6	1.695	2.647	6.7	20.9
1 6	4 58.25	+30 31.2	1.749	2.648	10.7	21.1
1 16	4 51.00	+30 12.2	1.828	2.648	14.2	21.3

486382 2013 EH_{21} 12 13.7 187°.85 2°.5/14.1 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 55.22	+30 27.5	2.017	2.810	14.4	21.7
11 17	5 49.81	+30 37.2	1.933	2.810	11.3	21.5
11 27	5 41.74	+30 40.1	1.871	2.809	7.7	21.3
12 7	5 31.75	+30 33.7	1.836	2.808	4.0	21.0
12 17	5 20.95	+30 16.8	1.830	2.808	2.8	20.9
12 27	5 10.64	+29 50.4	1.853	2.807	6.1	21.2
1 6	5 1.98	+29 17.8	1.904	2.805	9.8	21.4
1 16	4 55.82	+28 43.2	1.980	2.804	13.1	21.6

453886 2011 UW_{177} 12 13.7 282°.74 4°.0/12.9 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 51.13	+15 7.1	1.862	2.667	14.9	21.4
11 17	5 46.67	+14 19.8	1.772	2.656	11.7	21.2
11 27	5 39.72	+13 34.6	1.705	2.645	8.1	20.9
12 7	5 30.96	+12 54.2	1.664	2.633	4.8	20.7
12 17	5 21.35	+12 21.6	1.651	2.622	4.4	20.7
12 27	5 12.08	+11 59.1	1.666	2.610	7.6	20.8
1 6	5 4.27	+11 48.5	1.708	2.599	11.3	21.0
1 16	4 58.72	+11 49.8	1.773	2.588	14.8	21.2

486975 2014 NQ_{26} 12 13.7 168°.49 1°.7/13.5 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 52.03	+18 46.9	2.068	2.869	13.8	22.0
11 17	5 47.07	+18 34.4	1.986	2.870	10.6	21.8
11 27	5 39.82	+18 23.4	1.927	2.871	7.0	21.5
12 7	5 30.95	+18 14.2	1.895	2.872	3.2	21.3
12 17	5 21.39	+18 7.3	1.893	2.872	2.3	21.2
12 27	5 12.23	+18 3.7	1.920	2.873	5.9	21.5
1 6	5 4.46	+18 4.3	1.975	2.874	9.6	21.7
1 16	4 58.81	+18 9.7	2.054	2.874	12.9	21.9

50859 2000 FR_{64} 12 13.7 202°.17 3°.4/14.4 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
11 7	5 52.90	+34 21.4	2.540	3.318	12.2	19.3
11 17	5 47.62	+34 40.9	2.452	3.316	9.7	19.1
11 27	5 40.13	+34 52.9	2.388	3.315	6.9	18.9
12 7	5 31.07	+34 54.6	2.351	3.313	4.3	18.7
12 17	5 21.34	+34 44.6	2.343	3.312	3.6	18.7
12 27	5 11.97	+34 23.5	2.365	3.310	5.6	18.8
1 6	5 3.95	+33 53.6	2.416	3.308	8.4	19.0
1 16	4 57.97	+33 18.7	2.492	3.306	11.1	19.2

125272 2001 VC_{6} 12 13.7 54°.66 0°.6/13.8 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 56.80	+24 37.0	1.324	2.146	18.9	20.3
11 17	5 51.67	+24 40.6	1.272	2.168	14.5	20.1
11 27	5 43.15	+24 41.2	1.241	2.190	9.4	19.9
12 7	5 32.34	+24 37.1	1.233	2.212	3.9	19.6
12 17	5 20.79	+24 27.5	1.252	2.235	1.9	19.6
12 27	5 10.26	+24 14.2	1.298	2.257	7.2	20.0
1 6	5 2.15	+24 0.2	1.369	2.280	12.0	20.3
1 16	4 57.27	+23 48.6	1.462	2.303	16.0	20.6

348293 2004 XJ_{109} 12 13.7 34°.49 3°.7/14.3 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 55.75	+30 44.4	1.139	1.970	20.8	19.2
11 17	5 51.46	+31 4.9	1.096	1.993	16.2	19.0
11 27	5 43.24	+31 15.3	1.071	2.018	10.9	18.8
12 7	5 32.40	+31 11.4	1.069	2.043	5.7	18.6
12 17	5 20.79	+30 51.8	1.092	2.070	4.1	18.5
12 27	5 10.47	+30 19.4	1.139	2.097	8.2	18.9
1 6	5 3.00	+29 40.4	1.211	2.126	12.9	19.2
1 16	4 59.18	+29 1.1	1.303	2.155	16.9	19.5

164685 1997 LH_{13} 12 13.7 127°.04 1°.3/13.6 16

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 59.86	+20 1.8	1.595	2.398	17.1	21.3
11 17	5 53.55	+19 57.6	1.529	2.414	13.2	21.1
11 27	5 44.21	+19 54.6	1.484	2.429	8.6	20.9
12 7	5 32.78	+19 52.2	1.466	2.443	3.7	20.6
12 17	5 20.55	+19 50.3	1.476	2.457	2.2	20.6
12 27	5 9.08	+19 49.6	1.515	2.470	6.9	20.9
1 6	4 59.66	+19 51.5	1.581	2.482	11.4	21.2
1 16	4 53.15	+19 57.5	1.671	2.494	15.2	21.4

269837 2000 BP_{37} 12 13.7 7°.68 2°.3/14.1 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 53.42	+28 36.8	1.199	2.032	19.8	20.2
11 17	5 49.89	+28 40.0	1.132	2.032	15.5	20.0
11 27	5 42.49	+28 35.3	1.084	2.033	10.4	19.7
12 7	5 32.24	+28 19.7	1.058	2.035	4.9	19.4
12 17	5 20.80	+27 52.1	1.057	2.038	3.0	19.3
12 27	5 10.19	+27 15.2	1.081	2.042	8.1	19.6
1 6	5 2.17	+26 34.6	1.129	2.047	13.4	19.9
1 16	4 57.76	+25 56.1	1.198	2.052	17.9	20.2

226663 2004 GV_{13} 12 13.7 122°.99 0°.1/13.7 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 57.34	+24 42.0	1.714	2.517	16.1	20.3
11 17	5 51.52	+24 20.5	1.643	2.528	12.4	20.1
11 27	5 42.84	+23 54.7	1.594	2.539	8.1	19.9
12 7	5 32.21	+23 24.2	1.571	2.549	3.3	19.6
12 17	5 20.86	+22 49.9	1.577	2.559	1.6	19.5
12 27	5 10.23	+22 14.3	1.612	2.569	6.4	19.9
1 6	5 1.53	+21 40.8	1.674	2.578	10.7	20.2
1 16	4 55.55	+21 12.6	1.761	2.586	14.4	20.4

470957 2009 PL_{20} 12 13.7 63°.70 3°.6/13.5 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 57.69	+15 43.6	1.298	2.117	19.4	21.5
11 17	5 52.07	+15 22.9	1.253	2.144	15.0	21.3
11 27	5 43.25	+15 8.5	1.227	2.172	10.0	21.1
12 7	5 32.35	+15 1.6	1.226	2.200	5.2	20.9
12 17	5 20.85	+15 3.1	1.251	2.228	4.1	20.9
12 27	5 10.40	+15 13.2	1.303	2.255	8.2	21.2
1 6	5 2.30	+15 31.7	1.380	2.283	12.6	21.5
1 16	4 57.30	+15 57.6	1.479	2.310	16.4	21.8

77477 2001 HF_{29} 12 13.7 111°.55 3°.5/12.9 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 49.76	+13 15.0	2.595	3.382	11.7	19.6
11 17	5 44.70	+12 30.7	2.524	3.396	9.1	19.5
11 27	5 37.96	+11 49.8	2.477	3.409	6.4	19.3
12 7	5 30.13	+11 14.3	2.458	3.422	4.0	19.2
12 17	5 21.89	+10 46.1	2.469	3.435	3.8	19.2
12 27	5 14.05	+10 26.7	2.511	3.447	5.9	19.4
1 6	5 7.30	+10 16.7	2.581	3.460	8.5	19.5
1 16	5 2.16	+10 15.8	2.677	3.471	10.9	19.7

7846 Setvák 12 13.7 303°.75 1°.4/13.9 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 53.65	+26 59.5	1.414	2.236	17.9	18.0
11 17	5 49.88	+26 57.7	1.321	2.216	14.1	17.7
11 27	5 42.53	+26 50.1	1.248	2.196	9.5	17.4
12 7	5 32.36	+26 34.2	1.198	2.176	4.2	17.1
12 17	5 20.70	+26 9.0	1.174	2.156	2.3	16.9
12 27	5 9.38	+25 36.0	1.177	2.137	7.7	17.2
1 6	5 0.16	+24 59.7	1.205	2.118	13.1	17.4
1 16	4 54.25	+24 25.4	1.254	2.100	17.8	17.6

98903 2001 BB_{57} 12 13.7 255°.51 2°.3/13.4 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
11 7	5 53.03	+17 6.3	2.016	2.815	14.1	20.3
11 17	5 48.09	+16 54.0	1.917	2.800	11.1	20.0
11 27	5 40.68	+16 44.4	1.842	2.784	7.4	19.8
12 7	5 31.42	+16 38.2	1.793	2.767	3.7	19.5
12 17	5 21.21	+16 36.0	1.772	2.750	2.8	19.4
12 27	5 11.23	+16 38.6	1.782	2.733	6.5	19.6
1 6	5 2.59	+16 46.7	1.819	2.716	10.4	19.8
1 16	4 56.15	+17 0.7	1.881	2.698	14.0	20.0

474427 2003 BR_{11} 12 13.7 317°.92 12°.6/17.4 16

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	6 7.02	+52 42.4	1.514	2.253	20.6	20.4
11 17	6 1.42	+53 29.4	1.435	2.245	18.2	20.2
11 27	5 50.53	+53 50.7	1.373	2.236	15.7	20.0
12 7	5 35.65	+53 34.5	1.330	2.228	13.5	19.8
12 17	5 19.21	+52 32.9	1.311	2.221	12.6	19.8
12 27	5 4.20	+50 47.3	1.315	2.214	13.4	19.8
1 6	4 53.01	+48 28.9	1.342	2.207	15.6	19.9
1 16	4 46.75	+45 53.4	1.392	2.201	18.4	20.1

179615 2002 PJ_{26} 12 13.7 195°.79 1°.0/13.9 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 57.92	+26 7.3	1.740	2.541	16.0	21.4
11 17	5 52.24	+26 8.6	1.655	2.539	12.4	21.2
11 27	5 43.53	+26 5.7	1.593	2.537	8.2	20.9
12 7	5 32.60	+25 56.6	1.556	2.534	3.6	20.6
12 17	5 20.67	+25 40.5	1.549	2.530	1.9	20.5
12 27	5 9.26	+25 18.5	1.570	2.527	6.5	20.8
1 6	4 59.72	+24 54.0	1.618	2.522	11.0	21.0
1 16	4 53.01	+24 30.5	1.691	2.517	14.9	21.3

198111 2004 SZ_{56} 12 13.7 245°.22 3°.3/13.4 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 53.50	+15 16.8	1.743	2.549	15.7	20.1
11 17	5 48.69	+15 1.5	1.658	2.542	12.4	19.9
11 27	5 41.16	+14 51.0	1.594	2.536	8.4	19.6
12 7	5 31.63	+14 46.7	1.556	2.529	4.5	19.4
12 17	5 21.13	+14 49.3	1.546	2.522	3.7	19.3
12 27	5 11.01	+14 59.7	1.564	2.514	7.3	19.5
1 6	5 2.47	+15 17.8	1.609	2.507	11.5	19.7
1 16	4 56.43	+15 43.3	1.677	2.499	15.2	20.0

378018 2006 SW_{164} 12 13.7 147°.21 2°.3/13.4 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 57.63	+18 49.7	1.744	2.544	16.0	21.4
11 17	5 51.64	+18 20.6	1.671	2.554	12.4	21.2
11 27	5 42.90	+17 52.1	1.620	2.563	8.2	21.0
12 7	5 32.25	+17 25.3	1.596	2.571	3.9	20.7
12 17	5 20.87	+17 1.6	1.600	2.579	2.9	20.7
12 27	5 10.12	+16 43.0	1.634	2.586	6.9	20.9
1 6	5 1.18	+16 31.3	1.696	2.592	11.0	21.2
1 16	4 54.85	+16 27.5	1.781	2.598	14.6	21.4

308113 2004 XV_{23} 12 13.7 63°.82 3°.5/14.1 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 57.99	+30 25.9	1.527	2.334	17.5	19.5
11 17	5 52.53	+31 1.8	1.469	2.353	13.7	19.3
11 27	5 43.74	+31 30.6	1.432	2.372	9.4	19.1
12 7	5 32.64	+31 47.9	1.419	2.391	5.1	18.9
12 17	5 20.70	+31 50.8	1.434	2.410	3.8	18.8
12 27	5 9.62	+31 40.1	1.476	2.429	7.3	19.1
1 6	5 0.85	+31 19.8	1.545	2.449	11.4	19.4
1 16	4 55.24	+30 55.1	1.636	2.468	15.0	19.7

13810 1998 XU_{51} 12 13.7 167°.41 2°.7/13.9 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 53.75	+31 20.7	2.877	3.651	11.0	18.4
11 17	5 48.02	+32 2.8	2.790	3.654	8.6	18.2
11 27	5 40.31	+32 40.7	2.728	3.657	6.0	18.1
12 7	5 31.18	+33 11.6	2.694	3.660	3.5	17.9
12 17	5 21.37	+33 33.4	2.692	3.663	2.9	17.9
12 27	5 11.81	+33 45.6	2.720	3.665	5.0	18.0
1 6	5 3.37	+33 49.2	2.778	3.666	7.6	18.2
1 16	4 56.72	+33 46.5	2.863	3.668	10.0	18.4

322271 2011 EH_{42} 12 13.7 134°.60 3°.7/14.3 17

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 53.52	+34 48.8	2.614	3.388	11.9	20.9
11 17	5 48.06	+35 21.2	2.533	3.393	9.5	20.7
11 27	5 40.40	+35 46.4	2.475	3.399	6.9	20.5
12 7	5 31.22	+36 1.5	2.445	3.404	4.4	20.4
12 17	5 21.37	+36 4.4	2.444	3.409	3.8	20.4
12 27	5 11.89	+35 55.4	2.473	3.414	5.6	20.5
1 6	5 3.74	+35 36.6	2.531	3.419	8.2	20.7
1 16	4 57.61	+35 11.4	2.615	3.424	10.7	20.8

91859 1999 UX_{17} 12 13.7 86°.67 0°.4/13.8 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 52.02	+24 5.6	2.138	2.937	13.4	20.0
11 17	5 47.09	+24 14.1	2.057	2.941	10.3	19.8
11 27	5 39.86	+24 21.0	2.001	2.945	6.7	19.6
12 7	5 31.01	+24 25.1	1.971	2.949	2.8	19.3
12 17	5 21.47	+24 25.8	1.971	2.953	1.4	19.2
12 27	5 12.34	+24 23.5	2.000	2.957	5.4	19.5
1 6	5 4.62	+24 19.5	2.058	2.961	9.0	19.7
1 16	4 59.03	+24 15.8	2.140	2.965	12.2	19.9

263693 2008 GZ_{143} 12 13.7 118°.21 0°.6/13.6 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
11 7	5 52.01	+21 52.5	2.224	3.021	13.0	21.4
11 17	5 46.89	+21 43.7	2.146	3.029	10.0	21.2
11 27	5 39.62	+21 34.0	2.092	3.036	6.5	21.0
12 7	5 30.88	+21 23.2	2.065	3.043	2.7	20.8
12 17	5 21.56	+21 11.8	2.068	3.050	1.5	20.7
12 27	5 12.66	+21 0.6	2.101	3.057	5.3	21.0
1 6	5 5.11	+20 51.0	2.163	3.064	8.8	21.2
1 16	4 59.58	+20 44.6	2.250	3.070	11.9	21.4

289188 2004 VH_{84} 12 13.7 358°.16 1°.4/13.5 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 46.18	+19 13.0	2.379	3.184	12.1	20.1
11 17	5 42.38	+19 2.2	2.295	3.182	9.3	19.9
11 27	5 36.69	+18 52.4	2.235	3.180	6.1	19.7
12 7	5 29.69	+18 44.2	2.202	3.179	2.8	19.5
12 17	5 22.13	+18 38.0	2.198	3.178	1.9	19.5
12 27	5 14.87	+18 34.5	2.224	3.178	5.1	19.7
1 6	5 8.72	+18 34.7	2.278	3.179	8.4	19.9
1 16	5 4.30	+18 38.8	2.356	3.180	11.3	20.1

384381 2009 VQ_{28} 12 13.7 9°.59 2°.5/13.3 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 53.04	+20 22.7	1.333	2.161	18.5	20.5
11 17	5 48.97	+19 37.9	1.263	2.162	14.3	20.3
11 27	5 41.58	+18 51.5	1.213	2.163	9.5	20.0
12 7	5 31.83	+18 5.5	1.187	2.164	4.4	19.7
12 17	5 21.10	+17 22.9	1.187	2.166	3.3	19.7
12 27	5 11.08	+16 47.5	1.213	2.169	8.1	20.0
1 6	5 3.22	+16 22.4	1.263	2.172	13.0	20.3
1 16	4 58.45	+16 9.1	1.335	2.175	17.3	20.5

127438 2002 PF_{52} 12 13.7 178°.58 1°.9/14.1 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 52.22	+29 36.3	2.677	3.460	11.5	20.7
11 17	5 46.89	+29 47.2	2.589	3.461	8.9	20.6
11 27	5 39.57	+29 53.4	2.525	3.462	6.0	20.4
12 7	5 30.87	+29 53.0	2.490	3.462	3.1	20.2
12 17	5 21.57	+29 45.4	2.484	3.462	2.1	20.1
12 27	5 12.61	+29 31.0	2.510	3.462	4.8	20.3
1 6	5 4.83	+29 11.7	2.564	3.462	7.7	20.5
1 16	4 58.89	+28 50.0	2.646	3.461	10.4	20.7

245347 2005 ED_{212} 12 13.7 219°.03 2°.8/13.4 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 52.85	+15 12.7	2.105	2.899	13.8	21.1
11 17	5 47.74	+15 2.2	2.015	2.894	10.8	20.9
11 27	5 40.32	+14 56.0	1.948	2.887	7.3	20.7
12 7	5 31.25	+14 54.8	1.908	2.881	3.9	20.5
12 17	5 21.38	+14 59.4	1.898	2.873	3.2	20.4
12 27	5 11.82	+15 10.0	1.917	2.866	6.3	20.6
1 6	5 3.57	+15 26.9	1.965	2.858	9.9	20.8
1 16	4 57.39	+15 49.7	2.037	2.850	13.2	21.0

460459 2014 SP_{228} 12 13.7 339°.65 6°.7/12.2 17

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 46.95	+ 9 28.8	1.742	2.551	15.6	20.8
11 17	5 43.58	+ 8 16.7	1.659	2.539	12.6	20.6
11 27	5 37.79	+ 7 10.7	1.598	2.527	9.5	20.4
12 7	5 30.24	+ 6 15.8	1.563	2.517	7.1	20.2
12 17	5 21.88	+ 5 36.7	1.553	2.507	7.1	20.2
12 27	5 13.88	+ 5 16.5	1.570	2.498	9.5	20.3
1 6	5 7.30	+ 5 15.9	1.612	2.490	12.7	20.5
1 16	5 2.94	+ 5 33.2	1.675	2.482	15.8	20.7

101470 1998 WV_{16} 12 13.7 143°.24 2°.7/13.7 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 56.94	+27 20.1	1.953	2.747	14.7	19.3
11 17	5 51.36	+28 19.8	1.872	2.750	11.5	19.1
11 27	5 42.94	+29 18.3	1.814	2.753	7.8	18.8
12 7	5 32.40	+30 11.2	1.782	2.755	4.0	18.6
12 17	5 20.82	+30 54.5	1.781	2.758	3.1	18.6
12 27	5 9.58	+31 26.2	1.809	2.760	6.4	18.8
1 6	4 59.99	+31 47.2	1.865	2.762	10.2	19.0
1 16	4 52.98	+32 0.2	1.945	2.764	13.5	19.2

131180 2001 CR_{41} 12 13.7 275°.13 1°.1/13.9 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 51.72	+26 16.9	2.243	3.039	13.0	20.3
11 17	5 46.96	+26 24.1	2.145	3.027	10.1	20.1
11 27	5 39.88	+26 28.2	2.072	3.014	6.7	19.9
12 7	5 31.09	+26 27.7	2.025	3.002	3.0	19.6
12 17	5 21.47	+26 21.8	2.007	2.989	1.6	19.5
12 27	5 12.12	+26 11.0	2.020	2.976	5.4	19.7
1 6	5 4.08	+25 57.0	2.061	2.963	9.1	19.9
1 16	4 58.13	+25 42.4	2.127	2.951	12.3	20.1

199644 2006 GB_{18} 12 13.7 212°.42 0°.1/13.7 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 50.54	+23 5.8	2.758	3.547	11.0	21.2
11 17	5 45.51	+23 7.8	2.663	3.541	8.5	21.1
11 27	5 38.65	+23 8.6	2.593	3.536	5.5	20.9
12 7	5 30.51	+23 7.7	2.552	3.530	2.3	20.6
12 17	5 21.77	+23 4.9	2.541	3.524	1.1	20.5
12 27	5 13.29	+23 0.6	2.562	3.517	4.5	20.8
1 6	5 5.83	+22 55.9	2.612	3.510	7.6	21.0
1 16	5 0.02	+22 51.9	2.688	3.503	10.3	21.1

383106 2005 SG_{190} 12 13.7 45°.72 0°.9/13.7 17

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
11 7	5 55.94	+21 13.5	1.186	2.017	20.1	20.3
11 17	5 51.23	+21 12.9	1.139	2.040	15.4	20.1
11 27	5 42.97	+21 13.3	1.112	2.063	10.0	19.8
12 7	5 32.34	+21 13.8	1.108	2.087	4.1	19.6
12 17	5 20.96	+21 13.9	1.129	2.112	2.2	19.5
12 27	5 10.67	+21 14.5	1.177	2.137	7.7	20.0
1 6	5 2.93	+21 17.4	1.249	2.162	12.7	20.3
1 16	4 58.54	+21 24.1	1.342	2.188	16.8	20.6

161478 2004 GX_{25} 12 13.7 348°.55 6°.1/12.5 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 46.99	+ 5 32.0	2.394	3.174	12.7	19.8
11 17	5 42.86	+ 4 39.6	2.315	3.172	10.4	19.6
11 27	5 36.95	+ 3 55.6	2.259	3.171	8.1	19.4
12 7	5 29.80	+ 3 23.3	2.230	3.169	6.4	19.3
12 17	5 22.13	+ 3 5.3	2.228	3.168	6.3	19.3
12 27	5 14.76	+ 3 2.9	2.255	3.167	7.9	19.4
1 6	5 8.44	+ 3 15.9	2.308	3.166	10.2	19.6
1 16	5 3.77	+ 3 42.3	2.384	3.165	12.5	19.7

344279 2001 TO_{167} 12 13.7 55°.85 8°.0/15.1 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	6 5.68	+39 8.5	1.302	2.096	20.7	20.2
11 17	5 59.12	+40 16.7	1.264	2.130	16.8	20.0
11 27	5 48.24	+41 7.4	1.246	2.164	12.6	19.9
12 7	5 34.49	+41 32.0	1.249	2.199	9.1	19.8
12 17	5 19.96	+41 26.1	1.278	2.234	8.0	19.8
12 27	5 6.97	+40 52.3	1.333	2.268	10.1	20.1
1 6	4 57.27	+39 59.6	1.412	2.302	13.3	20.3
1 16	4 51.67	+38 58.0	1.513	2.337	16.5	20.6

432312 2009 TJ_{18} 12 13.7 74°.81 4°.4/13.9 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	6 3.22	+30 37.8	1.429	2.231	18.8	21.0
11 17	5 56.74	+31 40.6	1.379	2.259	14.7	20.8
11 27	5 46.57	+32 36.4	1.349	2.287	10.1	20.6
12 7	5 33.85	+33 18.4	1.345	2.314	5.8	20.4
12 17	5 20.24	+33 42.1	1.368	2.341	4.7	20.4
12 27	5 7.69	+33 47.4	1.419	2.368	8.0	20.7
1 6	4 57.79	+33 38.5	1.495	2.395	12.1	21.0
1 16	4 51.43	+33 21.7	1.595	2.421	15.6	21.3

116185 2003 XK_{6} 12 13.7 248°.70 3°.7/14.6 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 56.87	+34 27.2	1.978	2.763	14.9	20.0
11 17	5 51.34	+34 28.6	1.885	2.754	11.9	19.8
11 27	5 42.91	+34 19.4	1.814	2.745	8.4	19.6
12 7	5 32.38	+33 56.1	1.769	2.736	5.0	19.3
12 17	5 20.91	+33 17.6	1.753	2.726	3.8	19.3
12 27	5 9.95	+32 25.5	1.766	2.716	6.6	19.4
1 6	5 0.80	+31 24.6	1.807	2.706	10.3	19.6
1 16	4 54.34	+30 21.1	1.873	2.696	13.7	19.8

381016 2006 UZ_{166} 12 13.7 167°.61 0°.4/13.8 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 58.46	+23 25.2	1.771	2.570	15.8	21.9
11 17	5 52.54	+23 39.9	1.691	2.574	12.2	21.6
11 27	5 43.69	+23 53.9	1.634	2.578	8.0	21.4
12 7	5 32.70	+24 5.0	1.603	2.581	3.3	21.1
12 17	5 20.76	+24 11.8	1.601	2.583	1.6	21.0
12 27	5 9.34	+24 14.4	1.629	2.585	6.4	21.3
1 6	4 59.73	+24 14.4	1.684	2.586	10.7	21.6
1 16	4 52.86	+24 14.4	1.763	2.587	14.5	21.8

332256 2006 MU_{11} 12 13.7 100°.31 0°.2/13.7 17

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 52.30	+21 34.4	2.435	3.227	12.2	20.6
11 17	5 47.07	+22 9.4	2.353	3.232	9.4	20.4
11 27	5 39.78	+22 45.8	2.295	3.238	6.1	20.2
12 7	5 31.02	+23 22.0	2.265	3.243	2.5	20.0
12 17	5 21.59	+23 56.2	2.266	3.249	1.2	19.9
12 27	5 12.45	+24 27.4	2.298	3.254	4.9	20.2
1 6	5 4.49	+24 55.6	2.360	3.259	8.2	20.4
1 16	4 58.41	+25 21.4	2.447	3.264	11.1	20.6

452879 2006 TQ_{31} 12 13.7 129°.51 1°.1/13.6 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 52.75	+20 49.0	2.002	2.804	14.1	21.4
11 17	5 47.73	+20 36.6	1.923	2.808	10.9	21.2
11 27	5 40.33	+20 24.0	1.867	2.812	7.1	21.0
12 7	5 31.27	+20 11.4	1.838	2.816	3.1	20.8
12 17	5 21.51	+19 59.1	1.838	2.819	1.8	20.7
12 27	5 12.20	+19 48.3	1.867	2.823	5.8	21.0
1 6	5 4.38	+19 40.5	1.924	2.826	9.7	21.2
1 16	4 58.77	+19 37.0	2.006	2.829	13.0	21.4

300528 2007 TY_{222} 12 13.7 328°.70 4°.4/13.2 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 49.47	+14 47.3	1.480	2.303	17.2	20.6
11 17	5 46.10	+14 12.5	1.396	2.289	13.6	20.3
11 27	5 39.76	+13 42.2	1.332	2.276	9.4	20.0
12 7	5 31.19	+13 19.3	1.292	2.264	5.5	19.8
12 17	5 21.51	+13 6.5	1.278	2.252	4.8	19.7
12 27	5 12.20	+13 5.7	1.290	2.241	8.5	19.9
1 6	5 4.62	+13 17.4	1.327	2.230	13.0	20.1
1 16	4 59.78	+13 40.9	1.386	2.221	17.0	20.3

100091 1993 FT_6 12 13.7 281°.46 4°.7/13.1 17

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
11 7	5 51.95	+12 11.8	1.819	2.620	15.3	20.4
11 17	5 47.54	+11 39.6	1.720	2.599	12.3	20.2
11 27	5 40.51	+11 13.2	1.643	2.578	8.8	19.9
12 7	5 31.46	+10 55.3	1.591	2.557	5.6	19.7
12 17	5 21.36	+10 48.2	1.568	2.536	5.1	19.6
12 27	5 11.44	+10 53.6	1.572	2.514	8.1	19.8
1 6	5 2.92	+11 11.5	1.602	2.492	12.0	19.9
1 16	4 56.73	+11 41.0	1.656	2.470	15.7	20.1

462545 2009 BH_{155} 12 13.7 344°.74 3°.5/14.4 16

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 51.64	+34 48.5	2.600	3.377	11.9	21.5
11 17	5 46.67	+35 8.3	2.513	3.376	9.5	21.4
11 27	5 39.55	+35 20.4	2.450	3.376	6.8	21.2
12 7	5 30.93	+35 22.5	2.414	3.375	4.3	21.0
12 17	5 21.67	+35 13.0	2.407	3.375	3.6	21.0
12 27	5 12.77	+34 52.4	2.430	3.374	5.5	21.1
1 6	5 5.15	+34 23.2	2.481	3.374	8.2	21.3
1 16	4 59.51	+33 48.8	2.559	3.373	10.8	21.5

369919 2013 CU_{210} 12 13.7 150°.57 0°.6/13.6 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 53.96	+21 56.3	2.147	2.942	13.5	21.9
11 17	5 48.50	+21 48.0	2.067	2.949	10.4	21.7
11 27	5 40.75	+21 38.8	2.011	2.955	6.8	21.5
12 7	5 31.43	+21 28.3	1.982	2.960	2.8	21.2
12 17	5 21.45	+21 16.9	1.983	2.965	1.5	21.1
12 27	5 11.92	+21 5.3	2.014	2.970	5.5	21.4
1 6	5 3.82	+20 55.3	2.074	2.974	9.2	21.7
1 16	4 57.86	+20 48.4	2.159	2.978	12.3	21.9

358659 2007 VK_{334} 12 13.7 321°.63 0°.7/13.6 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 52.84	+23 48.9	1.735	2.546	15.6	20.2
11 17	5 48.25	+23 17.1	1.651	2.541	12.1	19.9
11 27	5 40.90	+22 40.8	1.590	2.537	7.9	19.7
12 7	5 31.57	+22 0.6	1.554	2.532	3.3	19.4
12 17	5 21.39	+21 18.0	1.546	2.528	1.8	19.3
12 27	5 11.72	+20 35.8	1.567	2.524	6.5	19.6
1 6	5 3.77	+19 57.8	1.615	2.521	10.9	19.8
1 16	4 58.40	+19 26.7	1.686	2.517	14.7	20.1

228719 2002 TP 12 13.7 96°.63 2°.2/13.5 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 50.09	+16 2.4	2.478	3.270	12.0	20.6
11 17	5 45.15	+15 52.7	2.405	3.283	9.3	20.4
11 27	5 38.40	+15 46.1	2.356	3.296	6.2	20.2
12 7	5 30.43	+15 43.2	2.335	3.308	3.2	20.1
12 17	5 21.97	+15 44.4	2.344	3.321	2.5	20.0
12 27	5 13.90	+15 50.1	2.384	3.333	5.2	20.2
1 6	5 6.97	+16 0.6	2.452	3.345	8.2	20.4
1 16	5 1.75	+16 15.6	2.546	3.357	10.9	20.6

220816 2004 TW_{280} 12 13.7 302°.73 0°.5/13.7 17

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 50.88	+22 21.6	2.156	2.958	13.2	20.9
11 17	5 46.25	+22 14.1	2.070	2.955	10.2	20.7
11 27	5 39.37	+22 5.4	2.006	2.951	6.7	20.5
12 7	5 30.90	+21 55.4	1.970	2.948	2.8	20.2
12 17	5 21.72	+21 44.1	1.963	2.945	1.4	20.1
12 27	5 12.91	+21 32.6	1.986	2.942	5.4	20.4
1 6	5 5.42	+21 22.4	2.036	2.939	9.1	20.6
1 16	4 59.99	+21 15.0	2.112	2.936	12.4	20.8

514162 2015 LA_{37} 12 13.7 194°.34 1°.8/13.5 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 56.26	+19 28.4	1.944	2.740	14.7	22.7
11 17	5 50.54	+19 6.0	1.857	2.739	11.4	22.4
11 27	5 42.25	+18 43.8	1.793	2.736	7.5	22.2
12 7	5 32.11	+18 22.2	1.756	2.733	3.5	21.9
12 17	5 21.15	+18 2.2	1.749	2.729	2.4	21.9
12 27	5 10.61	+17 45.5	1.772	2.724	6.4	22.1
1 6	5 1.63	+17 33.8	1.822	2.719	10.4	22.3
1 16	4 55.02	+17 28.4	1.897	2.713	13.9	22.6

351443 2005 JR_{35} 12 13.7 41°.83 3°.1/13.4 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 51.97	+15 29.3	1.821	2.627	15.2	20.9
11 17	5 47.33	+15 12.8	1.744	2.629	11.8	20.7
11 27	5 40.19	+15 0.8	1.689	2.630	8.0	20.5
12 7	5 31.26	+14 54.4	1.659	2.632	4.3	20.3
12 17	5 21.56	+14 54.6	1.658	2.634	3.5	20.2
12 27	5 12.31	+15 2.2	1.685	2.636	6.9	20.5
1 6	5 4.58	+15 17.0	1.739	2.638	10.7	20.7
1 16	4 59.17	+15 38.9	1.817	2.640	14.2	20.9

50890 2000 GS_{40} 12 13.7 342°.42 7°.3/14.2 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 58.16	+39 26.0	1.799	2.578	16.3	19.3
11 17	5 53.09	+40 39.2	1.720	2.576	13.5	19.1
11 27	5 44.51	+41 41.7	1.663	2.574	10.5	18.9
12 7	5 33.22	+42 26.2	1.630	2.572	8.0	18.8
12 17	5 20.58	+42 47.0	1.623	2.571	7.5	18.7
12 27	5 8.42	+42 42.6	1.644	2.570	9.3	18.8
1 6	4 58.40	+42 17.0	1.690	2.569	12.1	19.0
1 16	4 51.65	+41 37.1	1.758	2.568	15.1	19.2

420610 2012 HF_{59} 12 13.7 122°.64 1°.8/13.6 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
11 7	5 50.70	+16 26.6	2.452	3.244	12.1	20.9
11 17	5 45.74	+16 33.9	2.371	3.249	9.4	20.8
11 27	5 38.87	+16 44.9	2.314	3.255	6.2	20.6
12 7	5 30.66	+16 59.4	2.285	3.260	3.0	20.4
12 17	5 21.88	+17 17.3	2.286	3.265	2.2	20.3
12 27	5 13.40	+17 38.2	2.318	3.270	5.1	20.5
1 6	5 6.06	+18 2.0	2.378	3.274	8.3	20.7
1 16	5 0.47	+18 28.4	2.465	3.279	11.1	20.9

248744 2006 QE_{163} 12 13.7 116°.92 0°.9/13.6 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 53.55	+21 36.8	1.948	2.751	14.4	20.8
11 17	4 58.39	+21 21.9	1.872	2.757	11.1	20.6
11 27	5 40.78	+21 6.0	1.819	2.764	7.3	20.3
12 7	5 31.48	+20 49.2	1.792	2.770	3.1	20.1
12 17	5 21.50	+20 32.0	1.795	2.776	1.8	20.0
12 27	5 12.02	+20 16.0	1.827	2.782	5.9	20.3
1 6	5 4.10	+20 2.8	1.886	2.788	9.8	20.5
1 16	4 58.48	+19 54.0	1.970	2.794	13.2	20.8

239691 2008 YY_{120} 12 13.7 65°.81 0°.4/13.8 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 55.24	+23 40.0	1.603	2.415	16.6	20.6
11 17	5 50.18	+23 49.2	1.538	2.428	12.8	20.4
11 27	5 42.16	+23 57.1	1.494	2.441	8.3	20.2
12 7	5 32.09	+24 1.9	1.476	2.454	3.4	19.9
12 17	5 21.22	+24 2.7	1.485	2.468	1.7	19.8
12 27	5 11.03	+24 0.1	1.523	2.481	6.5	20.2
1 6	5 2.81	+23 56.1	1.587	2.495	10.9	20.5
1 16	4 57.37	+23 53.1	1.675	2.509	14.6	20.7

66992 1999 XY_{106} 12 13.7 163°.54 1°.2/13.5 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 51.55	+21 15.2	2.366	3.161	12.4	19.3
11 17	5 46.44	+20 45.0	2.281	3.163	9.6	19.1
11 27	5 39.33	+20 13.2	2.222	3.165	6.3	18.9
12 7	5 30.85	+19 40.6	2.190	3.167	2.7	18.7
12 17	5 21.81	+19 8.4	2.188	3.168	1.8	18.6
12 27	5 13.17	+18 38.4	2.216	3.170	5.2	18.9
1 6	5 5.78	+18 12.6	2.274	3.171	8.6	19.1
1 16	5 0.26	+17 52.5	2.357	3.172	11.6	19.3

514706 2006 SX_{17} 12 13.8 106°.25 6°.2/14.6 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	6 1.24	+39 50.1	2.154	2.914	14.6	21.7
11 17	5 54.60	+40 49.6	2.089	2.933	11.9	21.6
11 27	5 44.98	+41 37.5	2.046	2.952	9.1	21.4
12 7	5 33.24	+42 8.3	2.030	2.970	6.9	21.3
12 17	5 20.66	+42 18.3	2.041	2.988	6.3	21.3
12 27	5 8.73	+42 7.5	2.082	3.005	7.8	21.4
1 6	4 58.76	+41 39.7	2.149	3.022	10.2	21.6
1 16	4 51.60	+41 1.1	2.241	3.038	12.7	21.8

303118 2004 CF_{20} 12 13.8 147°.96 0°.9/13.7 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 53.60	+20 14.8	2.046	2.845	14.0	21.8
11 17	5 48.38	+20 18.6	1.966	2.849	10.8	21.6
11 27	5 40.78	+20 23.6	1.909	2.854	7.0	21.4
12 7	5 31.50	+20 29.2	1.880	2.857	3.0	21.2
12 17	5 21.50	+20 35.0	1.879	2.861	1.7	21.1
12 27	5 11.90	+20 41.3	1.909	2.864	5.7	21.3
1 6	5 3.75	+20 48.9	1.966	2.867	9.5	21.6
1 16	4 57.80	+20 58.5	2.048	2.870	12.8	21.8

70692 1999 UY_{19} 12 13.8 56°.18 8°.3/12.6 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 51.98	+ 5 56.5	1.562	2.362	17.5	19.5
11 17	5 47.39	+ 4 38.6	1.506	2.375	14.3	19.3
11 27	5 40.20	+ 3 32.9	1.470	2.388	11.1	19.1
12 7	5 31.25	+ 2 45.0	1.459	2.402	8.7	19.0
12 17	5 21.67	+ 2 19.4	1.473	2.416	8.6	19.0
12 27	5 12.74	+ 2 17.8	1.513	2.430	10.6	19.2
1 6	5 5.57	+ 2 38.4	1.577	2.444	13.6	19.4
1 16	5 0.87	+ 3 17.5	1.663	2.459	16.4	19.6

212211 2005 GO_{167} 12 13.8 251°.35 1°.2/13.5 17

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 53.35	+20 49.4	2.103	2.901	13.7	21.4
11 17	5 48.30	+20 32.2	2.003	2.886	10.6	21.2
11 27	5 40.84	+20 14.1	1.927	2.871	7.0	20.9
12 7	5 31.58	+19 55.4	1.878	2.855	3.1	20.7
12 17	5 21.45	+19 36.6	1.858	2.839	1.9	20.5
12 27	5 11.58	+19 19.3	1.868	2.822	5.9	20.8
1 6	5 3.04	+19 5.1	1.906	2.805	9.9	21.0
1 16	4 56.68	+18 55.9	1.969	2.788	13.4	21.2

10103 Jungfrun 12 13.8 111°.56 4°.4/14.3 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 59.61	+32 58.7	1.693	2.486	16.6	18.1
11 17	5 53.79	+33 38.8	1.623	2.497	13.2	17.9
11 27	5 44.68	+34 10.5	1.575	2.507	9.3	17.7
12 7	5 33.19	+34 28.8	1.551	2.517	5.6	17.5
12 17	5 20.72	+34 30.4	1.556	2.527	4.6	17.5
12 27	5 8.95	+34 15.6	1.589	2.536	7.5	17.7
1 6	4 59.35	+33 48.5	1.648	2.546	11.2	17.9
1 16	4 52.86	+33 15.0	1.731	2.555	14.7	18.2

523478 2017 FR_{162} 12 13.8 251°.56 6°.6/12.1 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
11 7	5 48.27	+ 3 4.1	2.592	3.357	12.2	21.7
11 17	5 43.80	+ 2 5.0	2.502	3.346	10.2	21.6
11 27	5 37.60	+ 1 14.5	2.436	3.334	8.2	21.4
12 7	5 30.17	+ 0 36.2	2.396	3.322	6.8	21.3
12 17	5 22.17	+ 0 12.9	2.385	3.310	6.8	21.3
12 27	5 14.39	+ 0 6.4	2.401	3.298	8.2	21.4
1 6	5 7.57	+ 0 16.5	2.444	3.286	10.3	21.5
1 16	5 2.29	+ 0 41.5	2.511	3.273	12.5	21.6

22328 1991 VJ_{1} 12 13.8 29°.97 1°.0/13.7 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 53.12	+20 35.6	1.053	1.898	21.2	17.4
11 17	5 49.36	+20 41.7	1.015	1.922	16.2	17.2
11 27	5 41.90	+20 50.1	0.996	1.949	10.5	17.0
12 7	5 32.00	+20 59.7	0.998	1.977	4.3	16.8
12 17	5 21.39	+21 9.7	1.024	2.007	2.3	16.7
12 27	5 11.97	+21 20.2	1.075	2.037	8.0	17.2
1 6	5 5.20	+21 32.3	1.150	2.069	13.0	17.5
1 16	5 1.86	+21 46.9	1.245	2.101	17.2	17.9

347447 2012 TC_{232} 12 13.8 36°.98 2°.5/14.2 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 55.67	+29 56.3	1.300	2.123	19.2	20.1
11 17	5 51.23	+29 50.6	1.240	2.134	14.9	19.8
11 27	5 43.15	+29 35.3	1.199	2.145	10.0	19.6
12 7	5 32.57	+29 7.9	1.182	2.158	4.8	19.3
12 17	5 21.09	+28 28.3	1.190	2.171	3.0	19.3
12 27	5 10.60	+27 40.0	1.225	2.185	7.6	19.6
1 6	5 2.62	+26 49.1	1.285	2.199	12.4	19.9
1 16	4 58.05	+26 1.3	1.366	2.214	16.5	20.2

298017 2002 PB_{29} 12 13.8 136°.24 0°.5/13.9 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 55.50	+25 27.3	2.113	2.906	13.8	21.1
11 17	5 49.74	+25 21.7	2.036	2.916	10.6	20.9
11 27	5 41.60	+25 12.5	1.983	2.926	6.9	20.7
12 7	5 31.82	+24 58.7	1.958	2.935	2.9	20.5
12 17	5 21.42	+24 40.4	1.962	2.944	1.4	20.4
12 27	5 11.55	+24 18.7	1.996	2.952	5.4	20.7
1 6	5 3.21	+23 56.2	2.059	2.960	9.1	20.9
1 16	4 57.13	+23 35.4	2.148	2.968	12.3	21.2

458460 2011 BJ_{34} 12 13.8 292°.29 3°.2/14.2 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 53.16	+31 47.0	2.208	2.998	13.4	21.4
11 17	5 48.44	+32 10.8	2.100	2.974	10.6	21.2
11 27	5 41.11	+32 28.9	2.015	2.949	7.5	20.9
12 7	5 31.78	+32 37.9	1.957	2.925	4.3	20.7
12 17	5 21.38	+32 35.7	1.927	2.901	3.4	20.6
12 27	5 11.15	+32 21.9	1.926	2.876	6.2	20.7
1 6	5 2.30	+31 58.8	1.954	2.852	9.7	20.9
1 16	4 55.74	+31 30.1	2.006	2.828	13.0	21.0

105984 2000 SQ_{269} 12 13.8 26°.43 3°.0/13.6 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 52.86	+17 27.1	1.057	1.900	21.2	19.1
11 17	5 49.46	+17 15.9	1.002	1.908	16.5	18.8
11 27	5 42.24	+17 10.6	0.965	1.916	11.0	18.5
12 7	5 32.28	+17 12.1	0.949	1.926	5.2	18.2
12 17	5 21.22	+17 20.7	0.957	1.937	3.7	18.2
12 27	5 11.07	+17 36.6	0.990	1.949	8.9	18.5
1 6	5 3.49	+17 59.7	1.045	1.962	14.2	18.9
1 16	4 59.49	+18 29.2	1.120	1.976	18.8	19.2

240200 2002 RX_{96} 12 13.8 79°.73 1°.7/13.6 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 55.98	+18 57.7	1.855	2.655	15.2	20.7
11 17	5 50.06	+18 44.7	1.800	2.683	11.6	20.5
11 27	5 41.73	+18 33.3	1.768	2.711	7.6	20.3
12 7	5 31.83	+18 23.8	1.762	2.739	3.4	20.2
12 17	5 21.46	+18 16.7	1.786	2.766	2.3	20.1
12 27	5 11.81	+18 12.8	1.839	2.793	6.1	20.4
1 6	5 3.88	+18 13.1	1.920	2.819	9.8	20.7
1 16	4 58.32	+18 18.3	2.025	2.845	13.0	21.0

367601 2009 SQ_{341} 12 13.8 300°.10 4°.8/12.9 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 49.08	+11 27.9	2.063	2.861	13.9	20.6
11 17	5 44.98	+10 45.9	1.967	2.843	11.1	20.4
11 27	5 38.67	+10 8.8	1.893	2.825	8.0	20.2
12 7	5 30.71	+ 9 39.6	1.845	2.807	5.4	20.0
12 17	5 21.93	+ 9 20.9	1.825	2.789	5.1	20.0
12 27	5 13.38	+ 9 14.6	1.834	2.771	7.6	20.1
1 6	5 6.03	+ 9 21.1	1.869	2.753	10.9	20.2
1 16	5 0.66	+ 9 39.8	1.928	2.736	14.1	20.4

256577 2007 TB_{172} 12 13.8 94°.48 0°.4/13.8 17

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	6 1.16	+23 19.7	1.390	2.201	18.7	20.8
11 17	5 55.02	+23 34.7	1.333	2.223	14.4	20.6
11 27	5 45.44	+23 48.6	1.297	2.243	9.4	20.3
12 7	5 33.48	+23 59.0	1.285	2.264	3.9	20.1
12 17	5 20.68	+24 4.2	1.301	2.284	1.8	20.0
12 27	5 8.85	+24 4.8	1.345	2.303	7.2	20.4
1 6	4 59.44	+24 3.2	1.415	2.322	12.0	20.7
1 16	4 53.33	+24 2.2	1.507	2.340	16.0	21.0

178557 1999 VY_{135} 12 13.8 203°.78 10°.6/13.0 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
11 7	6 10.52	+44 56.3	1.832	2.575	17.4	20.3
11 17	6 3.73	+47 9.3	1.751	2.571	14.9	20.1
11 27	5 52.28	+49 11.7	1.692	2.567	12.6	19.9
12 7	5 36.80	+50 51.0	1.658	2.563	10.9	19.8
12 17	5 18.88	+51 56.1	1.651	2.557	10.7	19.8
12 27	5 1.01	+52 22.3	1.670	2.551	12.1	19.9
1 6	4 45.73	+52 13.7	1.714	2.545	14.4	20.0
1 16	4 34.80	+51 40.1	1.779	2.538	16.9	20.2

228527 2001 UN_{101} 12 13.8 336°.90 0°.3/13.8 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 53.52	+22 50.9	1.403	2.227	17.9	20.0
11 17	5 49.57	+23 5.8	1.325	2.222	13.9	19.7
11 27	5 42.23	+23 21.1	1.267	2.216	9.2	19.5
12 7	5 32.32	+23 34.8	1.233	2.212	3.8	19.1
12 17	5 21.17	+23 45.4	1.225	2.208	1.8	19.0
12 27	5 10.52	+23 52.5	1.244	2.204	7.4	19.3
1 6	5 1.92	+23 57.8	1.288	2.201	12.5	19.6
1 16	4 56.48	+24 3.6	1.353	2.198	16.8	19.9

65388 2002 QF_{47} 12 13.8 70°.25 7°.7/14.5 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	6 1.04	+40 22.3	1.766	2.540	16.8	18.9
11 17	5 55.22	+41 40.0	1.703	2.554	13.9	18.7
11 27	5 45.81	+42 44.9	1.662	2.569	10.8	18.5
12 7	5 33.75	+43 29.5	1.645	2.583	8.3	18.4
12 17	5 20.54	+43 48.2	1.655	2.598	7.7	18.4
12 27	5 8.08	+43 40.7	1.691	2.613	9.4	18.5
1 6	4 57.98	+43 11.9	1.753	2.628	12.0	18.7
1 16	4 51.27	+42 29.2	1.838	2.643	14.8	19.0

486870 2014 KM_{32} 12 13.8 73°.49 1°.8/13.6 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 53.40	+18 19.0	1.797	2.603	15.3	21.1
11 17	5 48.41	+18 14.5	1.728	2.615	11.8	20.9
11 27	5 40.88	+18 12.8	1.682	2.627	7.8	20.7
12 7	5 31.59	+18 13.9	1.662	2.638	3.6	20.5
12 17	5 21.60	+18 17.9	1.670	2.650	2.4	20.4
12 27	5 12.16	+18 25.2	1.707	2.662	6.3	20.7
1 6	5 4.36	+18 36.2	1.771	2.674	10.3	20.9
1 16	4 58.96	+18 51.4	1.859	2.685	13.7	21.2

483003 2014 RX_{62} 12 13.8 100°.66 3°.4/14.6 17

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 55.05	+34 17.3	2.256	3.036	13.4	20.9
11 17	5 49.46	+34 25.5	2.179	3.046	10.6	20.7
11 27	5 41.45	+34 24.5	2.126	3.055	7.5	20.5
12 7	5 31.79	+34 12.1	2.099	3.064	4.5	20.3
12 17	5 21.52	+33 47.0	2.102	3.073	3.5	20.3
12 27	5 11.80	+33 10.9	2.134	3.082	5.8	20.5
1 6	5 3.67	+32 27.1	2.195	3.091	8.9	20.7
1 16	4 57.84	+31 40.2	2.281	3.100	11.8	20.9

290901 2005 WV_{97} 12 13.8 16°.32 0°.4/13.8 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 51.46	+23 40.3	1.776	2.589	15.2	20.1
11 17	5 47.18	+23 52.1	1.701	2.592	11.8	19.8
11 27	5 40.23	+24 2.8	1.648	2.595	7.7	19.6
12 7	5 31.37	+24 11.2	1.621	2.599	3.2	19.3
12 17	5 21.69	+24 16.1	1.621	2.604	1.5	19.2
12 27	5 12.49	+24 17.8	1.650	2.609	6.1	19.5
1 6	5 4.94	+24 17.9	1.706	2.615	10.2	19.8
1 16	4 59.87	+24 18.2	1.786	2.621	13.8	20.0

168857 2000 UA_{102} 12 13.8 65°.34 0°.8/13.9 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 59.76	+26 27.3	1.228	2.050	20.1	20.1
11 17	5 54.22	+26 10.8	1.177	2.072	15.5	19.9
11 27	5 44.98	+25 48.0	1.145	2.094	10.1	19.7
12 7	5 33.29	+25 17.5	1.137	2.116	4.2	19.4
12 17	5 20.86	+24 40.2	1.156	2.138	2.0	19.3
12 27	5 9.65	+23 59.8	1.200	2.160	7.6	19.7
1 6	5 1.13	+23 21.4	1.270	2.183	12.6	20.1
1 16	4 56.13	+22 49.2	1.362	2.205	16.8	20.4

332021 2005 OA_{3} 12 13.8 134°.63 6°.5/16.1 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	6 9.70	+43 59.5	1.975	2.716	16.3	20.4
11 17	6 1.07	+43 54.7	1.900	2.731	13.5	20.3
11 27	5 49.06	+43 30.7	1.847	2.745	10.4	20.1
12 7	5 34.86	+42 42.1	1.819	2.759	7.6	19.9
12 17	5 20.13	+41 27.6	1.821	2.771	6.5	19.9
12 27	5 6.65	+39 51.3	1.852	2.783	8.0	20.0
1 6	4 55.79	+38 1.8	1.913	2.794	10.8	20.2
1 16	4 48.29	+36 8.9	1.999	2.805	13.7	20.4

111959 2002 GP_{73} 12 13.8 129°.28 4°.8/13.3 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 57.23	+12 5.5	1.686	2.482	16.6	20.1
11 17	5 51.36	+11 33.1	1.620	2.496	13.1	19.9
11 27	5 42.79	+11 7.9	1.575	2.509	9.2	19.7
12 7	5 32.37	+10 52.3	1.557	2.522	5.7	19.5
12 17	5 21.26	+10 48.1	1.566	2.534	5.1	19.5
12 27	5 10.77	+10 56.0	1.604	2.545	8.1	19.7
1 6	5 2.07	+11 15.6	1.668	2.556	11.8	20.0
1 16	4 55.94	+11 45.3	1.756	2.566	15.1	20.2

260040 2004 GW_{50} 12 13.8 42°.39 1°.1/13.6 17

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
11 7	5 52.38	+20 24.5	1.812	2.621	15.1	21.1
11 17	5 47.74	+20 18.9	1.736	2.625	11.7	20.9
11 27	5 40.53	+20 14.0	1.683	2.629	7.6	20.7
12 7	5 31.49	+20 9.8	1.656	2.634	3.3	20.4
12 17	5 21.68	+20 6.4	1.657	2.638	1.9	20.3
12 27	5 12.35	+20 4.6	1.686	2.643	6.2	20.6
1 6	5 4.63	+20 5.4	1.743	2.648	10.3	20.9
1 16	4 59.31	+20 10.0	1.824	2.653	13.8	21.1

35839 1999 JV_{58} 12 13.8 154°.00 1°.9/13.5 18

11 7	5 58.06	+19 43.0	1.728	2.529	16.1	18.2
11 17	5 52.12	+19 19.0	1.653	2.536	12.4	18.0
11 27	5 43.37	+18 55.2	1.600	2.544	8.2	17.7
12 7	5 32.65	+18 32.1	1.574	2.550	3.7	17.5
12 17	5 21.14	+18 10.8	1.576	2.556	2.6	17.4
12 27	5 10.22	+17 53.2	1.608	2.561	6.8	17.7
1 6	5 1.14	+17 41.1	1.666	2.565	11.1	17.9
1 16	4 54.71	+17 36.1	1.749	2.569	14.7	18.2

279156 2009 SR_{90} 12 13.8 279°.57 3°.1/14.2 18

11 7	5 57.20	+30 36.0	1.488	2.297	17.8	21.4
11 17	5 52.43	+30 47.2	1.406	2.292	14.1	21.1
11 27	5 44.10	+30 50.1	1.346	2.287	9.6	20.9
12 7	5 33.10	+30 40.9	1.309	2.283	5.0	20.6
12 17	5 20.89	+30 17.5	1.299	2.278	3.5	20.5
12 27	5 9.28	+29 41.4	1.316	2.273	7.6	20.7
1 6	4 59.92	+28 57.7	1.359	2.268	12.3	21.0
1 16	4 53.88	+28 12.7	1.425	2.263	16.5	21.2

73003 2002 EJ_{26} 12 13.8 98°.86 1°.6/13.6 18

11 7	5 58.43	+20 46.7	1.443	2.256	18.1	19.9
11 17	5 52.77	+20 24.1	1.381	2.271	13.9	19.7
11 27	5 43.92	+20 1.2	1.340	2.286	9.1	19.4
12 7	5 32.88	+19 38.4	1.324	2.301	4.0	19.2
12 17	5 21.06	+19 16.8	1.335	2.316	2.5	19.1
12 27	5 10.08	+18 58.5	1.374	2.331	7.4	19.5
1 6	5 1.32	+18 45.8	1.439	2.344	12.0	19.8
1 16	4 55.60	+18 40.3	1.527	2.358	15.9	20.0

441180 2007 TW_{423} 12 13.8 16°.82 5°.9/12.8 18

11 7	5 50.79	+12 3.0	1.517	2.333	17.2	20.9
11 17	5 46.79	+11 0.3	1.449	2.335	13.7	20.6
11 27	5 40.02	+10 3.7	1.402	2.338	9.8	20.4
12 7	5 31.30	+ 9 17.8	1.379	2.342	6.6	20.2
12 17	5 21.80	+ 8 46.6	1.383	2.347	6.3	20.2
12 27	5 12.87	+ 8 32.6	1.412	2.351	9.2	20.4
1 6	5 5.71	+ 8 36.1	1.467	2.357	12.9	20.7
1 16	5 1.13	+ 8 55.4	1.543	2.362	16.4	20.9

369463 2010 RA_{112} 12 13.8 135°.76 3°.0/14.1 13 C

11 7	6 3.38	+30 1.4	1.729	2.517	16.6	22.3
11 17	5 56.46	+30 28.9	1.660	2.533	13.0	22.1
11 27	5 46.31	+30 49.8	1.612	2.549	8.8	21.9
12 7	5 33.89	+31 0.0	1.591	2.563	4.6	21.7
12 17	5 20.58	+30 56.8	1.599	2.576	3.3	21.6
12 27	5 8.05	+30 41.1	1.637	2.589	6.9	21.8
1 6	4 57.70	+30 16.6	1.702	2.600	10.9	22.1
1 16	4 50.42	+29 48.7	1.791	2.611	14.4	22.4

12700 1990 FH 12 13.8 273°.18 9°.3/12.2 18

11 7	6 6.72	+38 35.7	1.694	2.465	17.5	18.3
11 17	6 1.02	+40 52.3	1.593	2.442	14.7	18.1
11 27	5 50.78	+43 7.3	1.514	2.418	11.8	17.8
12 7	5 36.39	+45 8.3	1.460	2.394	9.7	17.7
12 17	5 19.10	+46 42.2	1.435	2.369	9.6	17.6
12 27	5 1.25	+47 40.7	1.437	2.344	11.9	17.7
1 6	4 45.43	+48 4.5	1.464	2.319	15.2	17.8
1 16	4 33.72	+48 1.4	1.512	2.293	18.5	18.0

385731 2005 UP_{397} 12 13.8 65°.85 1°.6/13.9 18

11 7	6 0.64	+25 20.7	1.381	2.193	18.8	21.0
11 17	5 54.59	+25 52.7	1.333	2.222	14.4	20.8
11 27	5 45.12	+26 21.8	1.306	2.252	9.4	20.6
12 7	5 33.37	+26 44.4	1.304	2.281	4.1	20.3
12 17	5 20.90	+26 58.0	1.329	2.310	2.3	20.3
12 27	5 9.49	+27 2.8	1.381	2.339	7.1	20.7
1 6	5 0.57	+27 1.7	1.460	2.368	11.7	21.0
1 16	4 54.93	+26 58.4	1.561	2.396	15.5	21.3

143984 2003 YZ_{152} 12 13.8 187°.28 4°.6/14.1 18

11 7	5 58.46	+35 14.0	2.335	3.105	13.3	20.4
11 17	5 52.37	+36 7.9	2.247	3.105	10.7	20.2
11 27	5 43.59	+36 55.0	2.183	3.104	7.8	20.0
12 7	5 32.82	+37 30.5	2.147	3.102	5.3	19.9
12 17	5 21.06	+37 50.9	2.140	3.101	4.7	19.8
12 27	5 9.63	+37 55.1	2.162	3.098	6.7	19.9
1 6	4 59.71	+37 45.5	2.213	3.095	9.5	20.1
1 16	4 52.22	+37 26.2	2.289	3.092	12.3	20.3

335293 2005 PL_{8} 12 13.8 149°.76 1°.5/13.7 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
11 7	5 57.52	+18 45.4	1.837	2.634	15.4	21.9
11 17	5 51.62	+18 50.6	1.761	2.643	11.9	21.7
11 27	5 43.03	+18 58.5	1.708	2.651	7.8	21.4
12 7	5 32.54	+19 8.5	1.682	2.658	3.5	21.2
12 17	5 21.23	+19 19.9	1.684	2.665	2.1	21.1
12 27	5 10.43	+19 32.8	1.717	2.671	6.3	21.4
1 6	5 1.31	+19 47.6	1.777	2.677	10.4	21.7
1 16	4 54.71	+20 5.0	1.862	2.681	14.0	21.9

325397 2009 DQ_{136} 12 13.8 222°.34 1°.5/13.6 18

11 7	5 57.35	+21 6.9	1.580	2.388	17.0	21.9
11 17	5 52.10	+20 44.2	1.494	2.382	13.2	21.6
11 27	5 43.69	+20 20.1	1.429	2.375	8.7	21.3
12 7	5 32.91	+19 54.9	1.390	2.368	3.8	21.0
12 17	5 21.03	+19 29.6	1.378	2.360	2.4	20.9
12 27	5 9.62	+19 6.4	1.395	2.351	7.3	21.2
1 6	5 0.12	+18 48.0	1.439	2.342	12.1	21.5
1 16	4 53.54	+18 36.7	1.505	2.333	16.3	21.7

427295 2014 WJ_{253} 12 13.8 72°.58 0°.1/13.8 18

11 7	5 54.03	+20 57.4	2.220	3.013	13.2	20.7
11 17	5 48.47	+21 31.0	2.154	3.034	10.1	20.5
11 27	5 40.74	+22 6.0	2.113	3.056	6.5	20.3
12 7	5 31.53	+22 40.8	2.099	3.077	2.7	20.1
12 17	5 21.74	+23 13.6	2.116	3.098	1.3	20.1
12 27	5 12.41	+23 43.4	2.163	3.119	5.1	20.4
1 6	5 4.47	+24 10.3	2.239	3.140	8.5	20.6
1 16	4 58.58	+24 35.0	2.341	3.161	11.5	20.9

250470 2004 CY_{28} 12 13.8 209°.02 0°.8/13.9 18

11 7	5 54.10	+25 33.5	1.983	2.782	14.3	20.7
11 17	5 49.02	+25 34.8	1.897	2.781	11.1	20.5
11 27	5 41.37	+25 32.8	1.835	2.779	7.3	20.3
12 7	5 31.88	+25 26.2	1.799	2.777	3.1	20.0
12 17	5 21.56	+25 14.4	1.792	2.774	1.6	19.9
12 27	5 11.67	+24 58.4	1.815	2.772	5.8	20.2
1 6	5 3.33	+24 40.5	1.865	2.770	9.8	20.4
1 16	4 57.36	+24 23.4	1.941	2.767	13.2	20.6

171143 2005 GC_{59} 12 13.8 251°.33 2°.3/13.5 18

11 7	5 52.92	+17 11.0	1.992	2.792	14.2	20.3
11 17	5 48.08	+17 1.7	1.899	2.781	11.1	20.1
11 27	5 40.78	+16 55.3	1.828	2.771	7.5	19.9
12 7	5 31.66	+16 52.4	1.785	2.759	3.7	19.6
12 17	5 21.65	+16 53.5	1.770	2.748	2.7	19.5
12 27	5 11.91	+16 59.2	1.784	2.736	6.4	19.7
1 6	5 3.54	+17 10.0	1.826	2.724	10.3	19.9
1 16	4 57.38	+17 26.2	1.892	2.712	13.8	20.1

322920 2002 CM_{211} 12 13.8 223°.62 3°.4/14.3 17

11 7	5 54.50	+32 49.5	2.161	2.948	13.7	20.9
11 17	5 49.32	+33 12.6	2.076	2.946	10.9	20.7
11 27	5 41.57	+33 28.5	2.013	2.945	7.6	20.5
12 7	5 31.97	+33 33.9	1.977	2.943	4.5	20.3
12 17	5 21.53	+33 27.0	1.969	2.941	3.6	20.3
12 27	5 11.52	+33 8.2	1.991	2.940	6.1	20.4
1 6	5 3.05	+32 40.3	2.041	2.938	9.4	20.6
1 16	4 56.96	+32 7.5	2.115	2.936	12.5	20.8

483292 2015 TP_{345} 12 13.8 160°.64 4°.1/14.1 18

11 7	5 57.74	+33 16.9	2.145	2.925	14.0	21.5
11 17	5 51.90	+34 6.8	2.063	2.929	11.2	21.3
11 27	5 43.32	+34 50.3	2.005	2.932	8.0	21.1
12 7	5 32.72	+35 23.0	1.973	2.935	5.0	20.9
12 17	5 21.17	+35 41.6	1.971	2.938	4.3	20.9
12 27	5 10.01	+35 45.1	1.998	2.941	6.6	21.0
1 6	5 0.49	+35 36.1	2.053	2.943	9.8	21.2
1 16	4 53.49	+35 18.7	2.133	2.945	12.7	21.4

482728 2013 EE_{64} 12 13.8 326°.79 1°.5/13.6 18

11 7	5 50.84	+20 8.6	1.535	2.357	16.7	21.1
11 17	5 47.24	+20 1.0	1.448	2.344	13.0	20.8
11 27	5 40.62	+19 54.5	1.383	2.332	8.6	20.5
12 7	5 31.70	+19 49.5	1.342	2.320	3.8	20.2
12 17	5 21.64	+19 46.0	1.327	2.309	2.3	20.1
12 27	5 11.94	+19 45.2	1.340	2.298	7.2	20.4
1 6	5 4.00	+19 48.2	1.377	2.288	12.0	20.6
1 16	4 58.84	+19 56.2	1.437	2.279	16.2	20.9

181604 2006 WE_{44} 12 13.8 207°.64 1°.8/13.6 18

11 7	5 56.22	+19 0.1	1.675	2.481	16.3	21.4
11 17	5 51.02	+18 52.9	1.592	2.478	12.7	21.1
11 27	5 42.88	+18 47.7	1.530	2.474	8.4	20.9
12 7	5 32.57	+18 44.6	1.494	2.471	3.8	20.6
12 17	5 21.25	+18 43.7	1.486	2.466	2.5	20.5
12 27	5 10.36	+18 45.7	1.506	2.462	7.0	20.8
1 6	5 1.22	+18 51.6	1.554	2.456	11.5	21.0
1 16	4 54.79	+19 2.5	1.625	2.451	15.4	21.2

156827 2003 BH_{66} 12 13.8 338°.79 1°.2/13.7 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
11 7	5 50.45	+20 37.6	1.212	2.051	19.3	19.5
11 17	5 47.67	+20 37.5	1.134	2.039	15.1	19.2
11 27	5 41.28	+20 39.3	1.076	2.028	10.0	18.8
12 7	5 32.08	+20 42.8	1.039	2.019	4.3	18.5
12 17	5 21.46	+20 47.5	1.028	2.010	2.4	18.3
12 27	5 11.30	+20 54.1	1.041	2.002	8.2	18.7
1 6	5 3.35	+21 3.5	1.077	1.996	13.7	19.0
1 16	4 58.79	+21 17.3	1.134	1.990	18.5	19.2

386718 2009 WX_{259} 12 13.8 333°.37 0°.6/13.8 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 52.00	+23 29.3	1.274	2.107	18.9	20.5
11 17	5 48.84	+23 47.3	1.193	2.095	14.7	20.2
11 27	5 42.05	+24 5.5	1.133	2.084	9.8	19.9
12 7	5 32.40	+24 21.6	1.095	2.074	4.1	19.6
12 17	5 21.30	+24 33.6	1.082	2.064	2.0	19.4
12 27	5 10.62	+24 41.0	1.095	2.056	7.9	19.7
1 6	5 2.14	+24 45.4	1.131	2.048	13.4	20.0
1 16	4 57.08	+24 49.7	1.188	2.042	18.1	20.3

84358 2002 TC_{83} 12 13.8 77°.33 6°.2/14.4 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	6 4.50	+35 16.1	1.442	2.235	19.0	19.2
11 17	5 58.02	+36 22.4	1.391	2.261	15.2	19.0
11 27	5 47.64	+37 17.2	1.360	2.287	11.0	18.9
12 7	5 34.51	+37 52.9	1.354	2.313	7.3	18.7
12 17	5 20.41	+38 4.4	1.374	2.338	6.4	18.7
12 27	5 7.43	+37 52.4	1.421	2.363	8.9	18.9
1 6	4 57.24	+37 23.0	1.494	2.387	12.5	19.2
1 16	4 50.80	+36 44.2	1.589	2.411	15.9	19.5

46292 2001 KY_{56} 12 13.8 218°.67 2°.3/13.7 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 50.74	+15 3.6	2.367	3.159	12.5	19.1
11 17	5 45.94	+15 8.9	2.281	3.158	9.7	18.9
11 27	5 39.15	+15 18.9	2.218	3.157	6.6	18.7
12 7	5 30.93	+15 33.8	2.182	3.155	3.4	18.5
12 17	5 22.06	+15 53.7	2.177	3.154	2.6	18.5
12 27	5 13.46	+16 18.1	2.202	3.152	5.5	18.7
1 6	5 6.00	+16 46.5	2.255	3.150	8.7	18.9
1 16	5 0.33	+17 18.6	2.334	3.148	11.7	19.0

217289 2004 FD_{129} 12 13.8 187°.21 4°.7/13.4 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 51.84	+ 8 5.2	2.440	3.216	12.7	21.0
11 17	5 46.63	+ 7 47.0	2.355	3.215	10.2	20.8
11 27	5 39.51	+ 7 36.8	2.293	3.214	7.5	20.7
12 7	5 31.06	+ 7 36.4	2.259	3.213	5.2	20.5
12 17	5 22.01	+ 7 47.1	2.254	3.211	4.9	20.5
12 27	5 13.24	+ 8 9.0	2.279	3.209	6.8	20.6
1 6	5 5.56	+ 8 41.3	2.332	3.206	9.5	20.8
1 16	4 59.61	+ 9 22.3	2.411	3.203	12.0	21.0

523497 2017 HG_{62} 12 13.8 253°.93 4°.2/13.4 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 49.93	+ 8 29.8	2.671	3.447	11.7	22.7
11 17	5 45.14	+ 8 20.2	2.571	3.432	9.4	22.5
11 27	5 38.57	+ 8 18.2	2.494	3.416	6.9	22.4
12 7	5 30.70	+ 8 25.1	2.445	3.401	4.7	22.2
12 17	5 22.19	+ 8 42.0	2.425	3.385	4.4	22.2
12 27	5 13.82	+ 9 8.8	2.436	3.369	6.2	22.3
1 6	5 6.38	+ 9 44.9	2.476	3.352	8.9	22.4
1 16	5 0.47	+10 28.8	2.541	3.335	11.4	22.5

32131 Ravindran 12 13.8 165°.79 3°.9/13.4 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 54.91	+13 38.9	1.828	2.625	15.4	19.6
11 17	5 49.60	+13 16.3	1.750	2.628	12.1	19.3
11 27	5 41.73	+12 59.4	1.694	2.631	8.4	19.1
12 7	5 32.05	+12 49.7	1.665	2.634	4.9	18.9
12 17	5 21.58	+12 48.6	1.664	2.636	4.2	18.9
12 27	5 11.56	+12 56.9	1.692	2.638	7.3	19.1
1 6	5 3.11	+13 14.4	1.747	2.639	11.1	19.3
1 16	4 57.03	+13 40.4	1.826	2.640	14.5	19.5

480599 2015 MX_{92} 12 13.8 72°.49 2°.0/13.7 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 55.58	+17 58.7	1.512	2.326	17.4	20.3
11 17	5 50.55	+17 58.2	1.448	2.338	13.4	20.1
11 27	5 42.53	+18 1.7	1.405	2.351	8.9	19.9
12 7	5 32.40	+18 9.1	1.387	2.363	4.1	19.6
12 17	5 21.44	+18 19.9	1.396	2.376	2.7	19.6
12 27	5 11.15	+18 34.2	1.432	2.389	7.1	19.9
1 6	5 2.84	+18 52.3	1.495	2.401	11.6	20.2
1 16	4 57.35	+19 14.3	1.581	2.414	15.4	20.5

161798 2006 VN_{48} 12 13.8 6°.60 9°.5/13.7 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 46.58	+ 3 55.1	1.258	2.079	19.8	19.2
11 17	5 44.04	+ 3 6.4	1.200	2.080	16.4	19.0
11 27	5 38.49	+ 2 36.2	1.159	2.082	12.9	18.8
12 7	5 30.80	+ 2 30.3	1.140	2.087	10.1	18.6
12 17	5 22.20	+ 2 52.3	1.144	2.093	9.6	18.6
12 27	5 14.19	+ 3 41.6	1.171	2.101	11.8	18.8
1 6	5 8.09	+ 4 53.6	1.221	2.110	15.0	19.0
1 16	5 4.77	+ 6 21.8	1.291	2.121	18.4	19.2

416714 2005 BC_{38} 12 13.8 228°.35 2°.7/13.6 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
11 7	5 50.13	+14 15.1	2.411	3.202	12.3	21.3
11 17	5 45.43	+14 12.3	2.324	3.200	9.6	21.1
11 27	5 38.80	+14 14.2	2.261	3.198	6.6	20.9
12 7	5 30.81	+14 21.6	2.225	3.196	3.6	20.7
12 17	5 22.18	+14 34.6	2.219	3.193	3.0	20.7
12 27	5 13.83	+14 53.4	2.243	3.191	5.6	20.8
1 6	5 6.57	+15 17.5	2.296	3.189	8.7	21.0
1 16	5 1.06	+15 46.5	2.374	3.186	11.6	21.2

121003 1998 YT_{19} 12 13.8 356°.57 0°.8/13.9 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 50.14	+24 26.7	1.127	1.971	20.1	19.2
11 17	5 47.66	+24 36.2	1.058	1.966	15.6	18.9
11 27	5 41.35	+24 43.7	1.008	1.962	10.3	18.6
12 7	5 32.13	+24 47.1	0.980	1.959	4.4	18.3
12 17	5 21.55	+24 44.9	0.975	1.958	2.1	18.2
12 27	5 11.64	+24 38.1	0.995	1.958	8.2	18.5
1 6	5 4.18	+24 29.5	1.038	1.960	13.8	18.8
1 16	5 0.33	+24 22.6	1.101	1.963	18.5	19.1

409075 2003 SE_{282} 12 13.8 60°.00 1°.9/14.3 17

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 53.99	+30 26.8	2.080	2.873	14.0	20.8
11 17	5 48.65	+30 12.7	2.011	2.888	10.8	20.6
11 27	5 40.94	+29 51.0	1.965	2.904	7.3	20.4
12 7	5 31.65	+29 20.5	1.947	2.921	3.6	20.2
12 17	5 21.85	+28 41.5	1.957	2.937	2.2	20.2
12 27	5 12.69	+27 56.4	1.997	2.953	5.5	20.4
1 6	5 5.17	+27 9.0	2.066	2.970	9.0	20.6
1 16	4 59.94	+26 23.0	2.160	2.986	12.1	20.9

8660 Sano 12 13.8 90°.40 0°.2/13.8 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 50.63	+21 54.0	2.458	3.253	12.0	16.6
11 17	5 45.83	+22 5.1	2.375	3.257	9.2	16.5
11 27	5 39.06	+22 16.3	2.317	3.260	6.0	16.3
12 7	5 30.91	+22 27.0	2.286	3.264	2.5	16.0
12 17	5 22.16	+22 36.4	2.286	3.268	1.2	15.9
12 27	5 13.72	+22 44.6	2.315	3.272	4.8	16.2
1 6	5 6.45	+22 52.2	2.374	3.276	8.1	16.4
1 16	5 0.97	+23 0.2	2.459	3.279	11.0	16.6

414293 2008 QE_{6} 12 13.8 137°.61 2°.0/13.3 17

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 50.78	+18 24.0	2.463	3.256	12.0	21.3
11 17	5 45.81	+17 52.4	2.382	3.262	9.3	21.2
11 27	5 38.96	+17 21.1	2.326	3.267	6.2	21.0
12 7	5 30.85	+16 51.5	2.298	3.272	3.1	20.8
12 17	5 22.23	+16 24.8	2.299	3.277	2.4	20.8
12 27	5 13.99	+16 2.5	2.332	3.281	5.3	21.0
1 6	5 6.91	+15 46.0	2.393	3.286	8.4	21.2
1 16	5 1.58	+15 36.1	2.479	3.290	11.2	21.4

459715 2013 PU_{41} 12 13.8 310°.27 8°.7/15.5 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 58.71	+48 32.4	2.258	2.990	14.7	20.9
11 17	5 53.32	+49 24.5	2.168	2.979	12.8	20.7
11 27	5 44.62	+50 1.0	2.099	2.967	10.8	20.5
12 7	5 33.40	+50 15.6	2.053	2.956	9.2	20.4
12 17	5 21.00	+50 3.5	2.033	2.945	8.7	20.4
12 27	5 9.12	+49 24.4	2.040	2.934	9.6	20.4
1 6	4 59.29	+48 22.6	2.072	2.923	11.5	20.5
1 16	4 52.55	+47 5.4	2.127	2.913	13.7	20.6

369189 2008 SP_{285} 12 13.8 343°.36 0°.4/13.9 17

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 50.09	+25 18.7	1.998	2.805	14.0	20.1
11 17	5 45.96	+25 9.3	1.912	2.799	10.8	19.9
11 27	5 39.42	+24 56.3	1.848	2.794	7.1	19.7
12 7	5 31.14	+24 39.0	1.811	2.789	3.0	19.4
12 17	5 22.10	+24 17.7	1.802	2.784	1.4	19.3
12 27	5 13.45	+23 53.7	1.822	2.780	5.6	19.6
1 6	5 6.24	+23 29.5	1.869	2.777	9.5	19.8
1 16	5 1.25	+23 7.6	1.941	2.774	13.0	20.0

493474 2014 XH_{12} 12 13.8 167°.13 1°.0/13.5 17

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 50.73	+21 57.6	2.700	3.490	11.2	21.5
11 17	5 45.65	+21 24.3	2.613	3.492	8.6	21.3
11 27	5 38.81	+20 48.9	2.551	3.493	5.6	21.1
12 7	5 30.79	+20 12.2	2.518	3.495	2.4	20.9
12 17	5 22.30	+19 35.3	2.516	3.497	1.5	20.8
12 27	5 14.16	+19 0.0	2.545	3.498	4.6	21.0
1 6	5 7.10	+18 28.3	2.603	3.499	7.7	21.2
1 16	5 1.70	+18 1.7	2.688	3.500	10.4	21.4

74957 1999 TN_{196} 12 13.8 162°.62 3°.4/13.0 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 54.22	+16 18.1	2.079	2.873	13.9	20.2
11 17	5 48.73	+15 25.4	1.999	2.877	10.9	20.0
11 27	5 41.01	+14 33.8	1.943	2.881	7.4	19.8
12 7	5 31.74	+13 45.5	1.915	2.885	4.2	19.6
12 17	5 21.86	+13 3.3	1.916	2.888	3.8	19.6
12 27	5 12.45	+12 29.8	1.947	2.890	6.7	19.8
1 6	5 4.45	+12 6.7	2.005	2.892	10.1	20.0
1 16	4 58.56	+11 54.5	2.089	2.894	13.2	20.2

92021 1999 VJ_{164} 12 13.8 85°.01 2°.0/13.4 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
11 7	5 52.15	+19 26.6	2.170	2.967	13.3	19.6
11 17	5 47.02	+18 48.5	2.099	2.981	10.2	19.4
11 27	5 39.80	+18 10.1	2.052	2.994	6.7	19.2
12 7	5 31.21	+17 32.8	2.033	3.008	3.2	19.1
12 17	5 22.12	+16 58.4	2.043	3.021	2.4	19.0
12 27	5 13.55	+16 28.9	2.083	3.034	5.7	19.3
1 6	5 6.35	+16 5.9	2.152	3.048	9.1	19.5
1 16	5 1.14	+15 50.6	2.245	3.061	12.1	19.7

49897 1999 XY_{160} 12 13.8 235°.65 2°.6/13.6 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 55.84	+16 29.3	1.834	2.633	15.3	19.6
11 17	5 50.60	+16 19.9	1.739	2.621	12.0	19.3
11 27	5 42.62	+16 14.2	1.667	2.608	8.2	19.1
12 7	5 32.55	+16 13.1	1.621	2.595	4.1	18.8
12 17	5 21.43	+16 17.0	1.604	2.582	3.1	18.7
12 27	5 10.56	+16 26.3	1.616	2.568	7.0	18.9
1 6	5 1.21	+16 41.5	1.655	2.553	11.2	19.1
1 16	4 54.33	+17 2.7	1.718	2.538	15.0	19.3

390735 2003 QY_{62} 12 13.8 78°.82 6°.9/13.4 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 53.96	+ 6 26.7	1.712	2.502	16.6	20.4
11 17	5 48.74	+ 5 44.2	1.656	2.521	13.4	20.3
11 27	5 41.07	+ 5 13.9	1.621	2.541	10.1	20.1
12 7	5 31.77	+ 4 59.4	1.611	2.560	7.5	20.0
12 17	5 21.90	+ 5 2.7	1.628	2.580	7.1	20.0
12 27	5 12.67	+ 5 24.0	1.673	2.599	9.1	20.2
1 6	5 5.11	+ 6 1.2	1.743	2.618	12.1	20.4
1 16	4 59.89	+ 6 51.0	1.836	2.636	14.9	20.7

415391 2013 NM_{12} 12 13.8 287°.26 1°.2/14.1 17

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 52.83	+28 31.2	2.184	2.978	13.3	20.8
11 17	5 47.87	+28 11.2	2.092	2.972	10.4	20.6
11 27	5 40.57	+27 44.4	2.024	2.966	6.9	20.4
12 7	5 31.61	+27 10.2	1.983	2.959	3.1	20.2
12 17	5 21.94	+26 28.9	1.971	2.953	1.7	20.0
12 27	5 12.69	+25 42.6	1.990	2.947	5.4	20.3
1 6	5 4.88	+24 55.0	2.037	2.941	9.1	20.5
1 16	4 59.25	+24 9.4	2.109	2.934	12.3	20.7

487001 2014 NX_{56} 12 13.8 184°.09 0°.1/13.8 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 54.11	+21 52.5	2.555	3.340	11.9	21.9
11 17	5 48.47	+22 8.1	2.464	3.340	9.2	21.7
11 27	5 40.80	+22 24.1	2.399	3.340	6.0	21.5
12 7	5 31.68	+22 39.2	2.362	3.339	2.5	21.3
12 17	5 21.90	+22 52.6	2.356	3.338	1.2	21.1
12 27	5 12.38	+23 4.2	2.381	3.336	4.8	21.4
1 6	5 4.01	+23 14.4	2.436	3.334	8.1	21.6
1 16	4 57.47	+23 24.4	2.517	3.331	11.0	21.8

395178 2010 EZ_{82} 12 13.8 324°.57 3°.0/13.9 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 54.71	+28 1.4	1.486	2.302	17.5	21.0
11 17	5 50.65	+28 43.2	1.403	2.293	13.8	20.7
11 27	5 43.12	+29 22.3	1.341	2.285	9.4	20.5
12 7	5 32.89	+29 54.2	1.303	2.277	4.8	20.2
12 17	5 21.28	+30 14.9	1.291	2.270	3.4	20.1
12 27	5 10.07	+30 23.0	1.306	2.263	7.6	20.3
1 6	5 0.91	+30 20.9	1.347	2.256	12.3	20.6
1 16	4 54.98	+30 12.7	1.410	2.250	16.5	20.8

386041 2007 EZ_{96} 12 13.8 250°.76 3°.2/13.3 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 54.52	+16 41.0	1.799	2.602	15.4	22.1
11 17	5 49.62	+16 9.1	1.705	2.588	12.1	21.9
11 27	5 41.98	+15 38.9	1.633	2.575	8.3	21.6
12 7	5 32.30	+15 12.3	1.587	2.560	4.4	21.3
12 17	5 21.60	+14 51.1	1.569	2.545	3.6	21.3
12 27	5 11.20	+14 37.4	1.581	2.530	7.3	21.4
1 6	5 2.32	+14 32.4	1.618	2.515	11.5	21.7
1 16	4 55.91	+14 37.0	1.680	2.499	15.3	21.9

293691 2007 PG_{35} 12 13.8 80°.39 7°.3/13.5 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 54.20	+ 4 56.8	1.742	2.526	16.6	20.9
11 17	5 48.85	+ 4 13.2	1.688	2.548	13.5	20.7
11 27	5 41.11	+ 3 42.8	1.655	2.569	10.3	20.6
12 7	5 31.78	+ 3 29.5	1.647	2.591	7.9	20.5
12 17	5 21.92	+ 3 35.4	1.666	2.612	7.5	20.5
12 27	5 12.70	+ 4 0.3	1.713	2.633	9.4	20.7
1 6	5 5.13	+ 4 41.8	1.785	2.654	12.1	20.9
1 16	4 59.87	+ 5 36.1	1.879	2.674	14.9	21.1

56364 2000 CU_{116} 12 13.8 342°.89 1°.3/13.8 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 54.67	+18 46.6	1.398	2.219	18.1	19.1
11 17	5 50.44	+19 4.8	1.321	2.216	14.1	18.8
11 27	5 42.86	+19 28.3	1.265	2.213	9.4	18.6
12 7	5 32.74	+19 55.8	1.233	2.211	4.1	18.2
12 17	5 21.39	+20 25.6	1.227	2.209	2.2	18.1
12 27	5 10.51	+20 56.5	1.248	2.207	7.5	18.4
1 6	5 1.65	+21 27.9	1.295	2.206	12.5	18.7
1 16	4 55.90	+22 0.3	1.363	2.205	16.9	19.0

73458 2002 NZ_{47} 12 13.8 15°.85 3°.0/13.5 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
11 7	5 46.62	+12 51.9	2.576	3.369	11.6	18.6
11 17	5 42.60	+12 43.0	2.497	3.373	9.1	18.4
11 27	5 36.90	+12 39.1	2.443	3.378	6.3	18.3
12 7	5 30.04	+12 41.3	2.416	3.383	3.7	18.1
12 17	5 22.70	+12 50.2	2.418	3.388	3.2	18.1
12 27	5 15.64	+13 5.9	2.449	3.394	5.4	18.2
1 6	5 9.57	+13 28.0	2.509	3.400	8.2	18.4
1 16	5 5.04	+13 55.7	2.595	3.407	10.7	18.6

493144 2014 TP_{51} 12 13.8 245°.90 0°.9/13.6 17

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 51.46	+22 17.1	2.296	3.093	12.7	21.5
11 17	5 46.61	+21 50.3	2.206	3.088	9.8	21.3
11 27	5 39.66	+21 21.1	2.140	3.084	6.4	21.1
12 7	5 31.22	+20 50.2	2.102	3.079	2.7	20.8
12 17	5 22.15	+20 18.6	2.093	3.075	1.6	20.7
12 27	5 13.44	+19 48.1	2.115	3.070	5.3	21.0
1 6	5 5.98	+19 20.8	2.165	3.065	8.8	21.2
1 16	5 0.46	+18 58.6	2.241	3.060	11.9	21.4

397227 2006 KA_{42} 12 13.8 201°.44 3°.6/12.9 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 54.04	+16 7.0	2.040	2.835	14.1	21.9
11 17	5 48.73	+15 11.4	1.953	2.832	11.1	21.7
11 27	5 41.10	+14 16.6	1.891	2.829	7.6	21.5
12 7	5 31.84	+13 25.0	1.856	2.825	4.4	21.3
12 17	5 21.88	+12 39.7	1.850	2.822	4.0	21.3
12 27	5 12.33	+12 3.5	1.874	2.817	7.0	21.4
1 6	5 4.19	+11 38.3	1.926	2.812	10.5	21.6
1 16	4 58.19	+11 24.9	2.002	2.807	13.7	21.8

386670 2009 UD_{121} 12 13.8 7°.32 0°.6/13.8 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 49.97	+22 56.4	1.061	1.909	20.7	20.1
11 17	5 47.54	+22 43.6	1.000	1.910	16.1	19.8
11 27	5 41.24	+22 28.7	0.957	1.912	10.6	19.5
12 7	5 32.10	+22 11.7	0.935	1.915	4.4	19.2
12 17	5 21.76	+21 53.2	0.937	1.920	2.2	19.0
12 27	5 12.24	+21 35.6	0.963	1.926	8.4	19.4
1 6	5 5.26	+21 22.0	1.011	1.934	14.0	19.8
1 16	5 1.88	+21 14.8	1.079	1.943	18.7	20.1

286044 2001 SL_{218} 12 13.8 66°.53 7°.1/13.0 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 51.71	+ 5 56.3	1.823	2.612	15.8	20.5
11 17	5 46.93	+ 5 1.4	1.764	2.628	12.8	20.4
11 27	5 39.88	+ 4 17.9	1.727	2.644	9.8	20.2
12 7	5 31.30	+ 3 49.7	1.715	2.660	7.5	20.1
12 17	5 22.17	+ 3 39.7	1.730	2.676	7.3	20.2
12 27	5 13.60	+ 3 48.7	1.773	2.692	9.2	20.3
1 6	5 6.54	+ 4 15.1	1.840	2.708	11.9	20.5
1 16	5 1.65	+ 4 55.9	1.931	2.725	14.5	20.7

487316 2014 QW_{121} 12 13.8 109°.77 0°.6/13.9 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 53.03	+25 5.4	2.168	2.965	13.4	21.8
11 17	5 47.95	+25 9.1	2.089	2.971	10.3	21.6
11 27	5 40.58	+25 10.3	2.033	2.976	6.8	21.4
12 7	5 31.62	+25 7.8	2.005	2.982	2.9	21.2
12 17	5 22.00	+25 1.1	2.005	2.988	1.4	21.1
12 27	5 12.80	+24 50.8	2.036	2.993	5.3	21.4
1 6	5 5.01	+24 38.9	2.095	2.999	8.9	21.6
1 16	4 59.36	+24 27.4	2.180	3.004	12.0	21.8

197699 2004 ON_{7} 12 13.8 71°.43 3°.0/14.4 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 59.52	+31 37.0	1.515	2.318	17.8	20.1
11 17	5 53.75	+31 36.6	1.456	2.337	13.9	19.9
11 27	5 44.64	+31 26.1	1.417	2.357	9.5	19.6
12 7	5 33.31	+31 2.4	1.404	2.376	4.9	19.4
12 17	5 21.26	+30 25.1	1.418	2.396	3.3	19.4
12 27	5 10.22	+29 37.4	1.459	2.415	7.0	19.7
1 6	5 1.56	+28 45.0	1.528	2.435	11.3	19.9
1 16	4 56.07	+27 53.7	1.619	2.454	15.0	20.2

262644 2006 WK_{51} 12 13.8 34°.03 2°.2/13.6 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 51.87	+18 2.2	1.620	2.435	16.3	20.4
11 17	5 47.58	+17 52.6	1.554	2.445	12.6	20.1
11 27	5 40.57	+17 46.0	1.509	2.455	8.3	19.9
12 7	5 31.67	+17 43.2	1.490	2.466	3.9	19.7
12 17	5 22.01	+17 44.4	1.498	2.477	2.7	19.6
12 27	5 12.94	+17 50.4	1.533	2.489	6.8	19.9
1 6	5 5.62	+18 1.4	1.595	2.501	11.0	20.2
1 16	5 0.84	+18 17.6	1.680	2.514	14.6	20.4

460509 2014 SU_{334} 12 13.8 301°.08 5°.9/14.4 17

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 56.25	+38 54.9	2.249	3.018	13.8	21.0
11 17	5 50.97	+39 52.7	2.165	3.015	11.3	20.9
11 27	5 42.89	+40 41.3	2.102	3.012	8.7	20.7
12 7	5 32.70	+41 15.5	2.066	3.010	6.5	20.6
12 17	5 21.49	+41 31.4	2.058	3.007	6.0	20.5
12 27	5 10.62	+41 28.1	2.078	3.005	7.6	20.6
1 6	5 1.37	+41 8.3	2.125	3.002	10.1	20.8
1 16	4 54.68	+40 36.9	2.197	3.000	12.7	20.9

343219 2009 WW_{43} 12 13.8 297°.73 1°.7/14.1 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
11 7	5 55.15	+27 58.9	1.553	2.366	17.0	20.5
11 17	5 50.74	+27 58.5	1.467	2.356	13.4	20.3
11 27	5 43.03	+27 51.8	1.401	2.346	9.0	20.0
12 7	5 32.83	+27 36.4	1.360	2.337	4.2	19.7
12 17	5 21.44	+27 11.3	1.346	2.328	2.3	19.5
12 27	5 10.53	+26 38.2	1.360	2.318	7.1	19.8
1 6	5 1.63	+26 1.2	1.399	2.309	11.9	20.1
1 16	4 55.78	+25 25.3	1.461	2.301	16.1	20.3

115829 2003 UU_{253} 12 13.8 1°.29 9°.6/14.3 17

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 50.06	− 5 28.1	2.059	2.803	15.6	19.1
11 17	5 45.61	− 5 54.4	1.986	2.802	13.6	18.9
11 27	5 39.06	− 6 1.2	1.933	2.802	11.5	18.8
12 7	5 31.01	− 5 44.6	1.904	2.802	10.0	18.7
12 17	5 22.32	− 5 2.3	1.899	2.803	9.7	18.7
12 27	5 13.97	− 3 55.1	1.921	2.804	10.7	18.7
1 6	5 6.88	− 2 26.8	1.969	2.805	12.6	18.9
1 16	5 1.73	− 0 43.1	2.039	2.807	14.8	19.0

127318 2002 JT_{97} 12 13.8 288°.82 0°.8/13.7 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 51.42	+20 48.3	2.100	2.902	13.5	19.5
11 17	5 46.88	+20 47.4	2.009	2.894	10.5	19.3
11 27	5 40.03	+20 47.0	1.941	2.885	6.9	19.1
12 7	5 31.47	+20 46.9	1.899	2.877	3.0	18.8
12 17	5 22.11	+20 46.9	1.887	2.869	1.6	18.7
12 27	5 13.03	+20 47.4	1.905	2.861	5.6	18.9
1 6	5 5.28	+20 49.5	1.950	2.853	9.4	19.2
1 16	4 59.61	+20 54.3	2.020	2.845	12.8	19.4

517273 2014 FE_{73} 12 13.8 189°.59 2°.6/13.9 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 57.89	+28 20.1	2.126	2.913	13.9	22.3
11 17	5 52.03	+29 6.2	2.038	2.912	10.9	22.1
11 27	5 43.50	+29 49.8	1.974	2.911	7.4	21.8
12 7	5 32.95	+30 27.2	1.937	2.909	3.9	21.6
12 17	5 21.41	+30 55.0	1.930	2.907	2.9	21.5
12 27	5 10.18	+31 12.2	1.953	2.904	6.0	21.7
1 6	5 0.45	+31 19.9	2.005	2.901	9.6	22.0
1 16	4 53.14	+31 21.1	2.082	2.898	12.9	22.2

474944 2005 SJ_{288} 12 13.8 114°.30 3°.4/13.6 16

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 57.64	+14 5.6	1.817	2.610	15.7	22.4
11 17	5 51.55	+13 53.4	1.753	2.630	12.2	22.3
11 27	5 42.93	+13 47.0	1.712	2.649	8.3	22.1
12 7	5 32.60	+13 47.6	1.697	2.667	4.6	21.9
12 17	5 21.65	+13 55.4	1.711	2.685	3.8	21.9
12 27	5 11.32	+14 10.6	1.755	2.703	6.9	22.1
1 6	5 2.69	+14 32.8	1.826	2.719	10.6	22.4
1 16	4 56.49	+15 1.2	1.922	2.735	13.9	22.6

175050 2004 FA_{102} 12 13.8 284°.23 4°.9/14.6 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 56.74	+36 4.8	1.974	2.756	15.0	20.0
11 17	5 51.74	+36 30.7	1.869	2.734	12.2	19.8
11 27	5 43.63	+36 46.9	1.786	2.711	9.0	19.5
12 7	5 33.11	+36 48.6	1.728	2.688	5.9	19.3
12 17	5 21.32	+36 32.5	1.699	2.665	5.0	19.2
12 27	5 9.80	+35 58.5	1.697	2.641	7.4	19.3
1 6	5 0.01	+35 10.4	1.723	2.618	11.0	19.5
1 16	4 53.02	+34 14.4	1.773	2.595	14.5	19.6

297998 2002 NU_{66} 12 13.8 48°.56 3°.2/14.4 17

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 56.90	+31 30.2	1.500	2.309	17.7	20.7
11 17	5 51.80	+31 35.0	1.443	2.328	13.8	20.5
11 27	5 43.43	+31 30.0	1.407	2.347	9.4	20.3
12 7	5 32.86	+31 12.4	1.395	2.367	5.0	20.1
12 17	5 21.57	+30 41.5	1.409	2.387	3.4	20.1
12 27	5 11.23	+30 0.0	1.452	2.408	7.0	20.3
1 6	5 3.19	+29 13.2	1.520	2.429	11.2	20.6
1 16	4 58.25	+28 26.7	1.611	2.450	14.9	20.9

305013 2007 TN_{343} 12 13.8 201°.44 0°.8/13.8 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 54.83	+20 27.7	2.199	2.991	13.3	21.7
11 17	5 49.37	+20 32.8	2.108	2.988	10.3	21.5
11 27	5 41.59	+20 38.8	2.041	2.984	6.8	21.2
12 7	5 32.11	+20 45.2	2.002	2.979	2.9	21.0
12 17	5 21.85	+20 51.5	1.992	2.974	1.6	20.9
12 27	5 11.88	+20 57.7	2.013	2.968	5.5	21.1
1 6	5 3.23	+21 4.7	2.063	2.962	9.2	21.3
1 16	4 56.68	+21 13.4	2.138	2.956	12.5	21.5

485361 2011 CQ_{90} 12 13.8 165°.91 2°.8/14.5 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 53.66	+33 28.8	2.717	3.491	11.5	21.9
11 17	5 48.13	+33 35.1	2.630	3.494	9.1	21.7
11 27	5 40.58	+33 34.2	2.568	3.496	6.4	21.6
12 7	5 31.62	+33 23.9	2.533	3.499	3.8	21.4
12 17	5 22.10	+33 3.6	2.528	3.501	2.9	21.3
12 27	5 12.97	+32 34.1	2.554	3.503	5.0	21.5
1 6	5 5.10	+31 58.1	2.610	3.504	7.7	21.7
1 16	4 59.12	+31 18.8	2.692	3.505	10.3	21.8

412371 2013 NC_{13} 12 13.8 264°.13 0°.7/14.0 17

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
11 7	5 52.40	+26 50.0	2.255	3.050	13.0	21.2
11 17	5 47.46	+26 33.1	2.165	3.045	10.1	21.0
11 27	5 40.29	+26 11.2	2.098	3.041	6.6	20.8
12 7	5 31.55	+25 43.6	2.059	3.037	2.9	20.6
12 17	5 22.13	+25 10.8	2.050	3.032	1.4	20.5
12 27	5 13.11	+24 34.5	2.071	3.028	5.2	20.7
1 6	5 5.43	+23 57.5	2.120	3.023	8.8	20.9
1 16	4 59.83	+23 22.8	2.195	3.019	12.0	21.1

228953 2003 UA_{82} 12 13.8 22°.42 0°.8/13.8 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 51.59	+19 22.9	2.135	2.935	13.4	19.9
11 17	5 46.91	+19 43.0	2.054	2.937	10.4	19.7
11 27	5 39.99	+20 5.9	1.995	2.939	6.8	19.5
12 7	5 31.45	+20 30.6	1.964	2.942	2.9	19.2
12 17	5 22.17	+20 56.1	1.962	2.944	1.5	19.1
12 27	5 13.22	+21 21.6	1.991	2.947	5.4	19.4
1 6	5 5.58	+21 47.1	2.047	2.950	9.1	19.6
1 16	4 59.98	+22 12.8	2.128	2.953	12.3	19.8

189820 2002 OG_{7} 12 13.8 81°.29 6°.4/13.0 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 49.79	+ 3 47.2	2.375	3.145	13.1	19.7
11 17	5 44.98	+ 3 0.7	2.315	3.163	10.8	19.6
11 27	5 38.41	+ 2 24.7	2.278	3.182	8.4	19.5
12 7	5 30.70	+ 2 2.3	2.266	3.200	6.7	19.4
12 17	5 22.57	+ 1 55.3	2.283	3.218	6.5	19.4
12 27	5 14.85	+ 2 4.4	2.328	3.236	7.9	19.5
1 6	5 8.29	+ 2 28.3	2.400	3.253	10.0	19.7
1 16	5 3.40	+ 3 4.8	2.496	3.271	12.2	19.9

307349 2002 RC_{157} 12 13.8 138°.93 1°.0/13.7 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 55.16	+20 45.3	2.377	3.164	12.6	21.9
11 17	5 49.22	+20 32.0	2.301	3.178	9.7	21.8
11 27	5 41.24	+20 18.4	2.250	3.191	6.3	21.6
12 7	5 31.89	+20 4.4	2.227	3.203	2.7	21.4
12 17	5 22.01	+19 50.5	2.234	3.215	1.6	21.3
12 27	5 12.59	+19 37.8	2.273	3.227	5.1	21.6
1 6	5 4.48	+19 27.5	2.341	3.237	8.4	21.8
1 16	4 58.32	+19 21.0	2.435	3.247	11.3	22.0

363496 2003 TT_{39} 12 13.8 80°.64 4°.3/12.9 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 51.09	+12 12.3	2.269	3.058	13.1	21.5
11 17	5 46.06	+11 18.9	2.205	3.077	10.3	21.3
11 27	5 39.14	+10 30.2	2.165	3.095	7.3	21.2
12 7	5 31.00	+ 9 48.8	2.152	3.113	4.8	21.0
12 17	5 22.44	+ 9 17.1	2.169	3.131	4.6	21.1
12 27	5 14.36	+ 8 56.7	2.215	3.149	6.7	21.2
1 6	5 7.53	+ 8 48.2	2.288	3.166	9.4	21.4
1 16	5 2.52	+ 8 50.9	2.387	3.184	12.0	21.6

404289 2013 EN_{106} 12 13.8 262°.61 0°.4/13.9 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 53.76	+23 20.4	1.980	2.781	14.3	21.4
11 17	5 48.92	+23 37.6	1.890	2.774	11.1	21.2
11 27	5 41.50	+23 54.5	1.822	2.766	7.3	20.9
12 7	5 32.15	+24 9.6	1.781	2.759	3.1	20.7
12 17	5 21.86	+24 21.4	1.769	2.751	1.5	20.5
12 27	5 11.86	+24 29.8	1.786	2.743	5.8	20.8
1 6	5 3.32	+24 35.7	1.831	2.736	9.9	21.0
1 16	4 57.11	+24 40.9	1.901	2.728	13.4	21.3

375655 2009 BV_{154} 12 13.8 305°.43 2°.1/14.2 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 50.85	+29 56.0	2.597	3.384	11.7	21.3
11 17	5 46.12	+30 10.6	2.507	3.381	9.1	21.2
11 27	5 39.36	+30 20.5	2.441	3.378	6.2	21.0
12 7	5 31.18	+30 23.9	2.403	3.375	3.3	20.8
12 17	5 22.34	+30 19.7	2.395	3.372	2.3	20.7
12 27	5 13.81	+30 8.3	2.417	3.370	4.9	20.9
1 6	5 6.44	+29 51.4	2.468	3.367	7.9	21.1
1 16	5 0.92	+29 31.6	2.544	3.365	10.6	21.2

511709 2015 CG_{44} 12 13.8 229°.73 3°.2/13.5 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 56.38	+16 35.9	1.541	2.350	17.3	22.2
11 17	5 51.45	+16 14.3	1.457	2.344	13.6	21.9
11 27	5 43.41	+15 56.2	1.394	2.337	9.2	21.7
12 7	5 33.01	+15 43.2	1.356	2.330	4.7	21.4
12 17	5 21.48	+15 36.4	1.345	2.323	3.7	21.3
12 27	5 10.37	+15 37.1	1.362	2.315	7.9	21.6
1 6	5 1.11	+15 46.2	1.405	2.307	12.5	21.8
1 16	4 54.71	+16 3.7	1.471	2.298	16.6	22.0

358279 2006 UX_{33} 12 13.8 171°.60 5°.0/12.8 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 51.79	+11 24.4	2.043	2.836	14.2	21.3
11 17	5 46.97	+10 27.7	1.964	2.837	11.3	21.1
11 27	5 39.96	+ 9 35.8	1.908	2.838	8.2	20.9
12 7	5 31.43	+ 8 52.2	1.879	2.838	5.6	20.8
12 17	5 22.25	+ 8 19.8	1.878	2.839	5.3	20.8
12 27	5 13.48	+ 8 0.8	1.907	2.839	7.7	20.9
1 6	5 6.04	+ 7 55.9	1.961	2.839	10.8	21.1
1 16	5 0.63	+ 8 4.2	2.040	2.839	13.7	21.3

271263 2003 UU_{147} 12 13.8 33°.00 0°.9/13.8 17

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
11 7	5 51.20	+19 48.5	1.970	2.776	14.2	20.6
11 17	5 46.72	+19 59.7	1.897	2.784	10.9	20.4
11 27	5 39.89	+20 13.0	1.847	2.792	7.1	20.2
12 7	5 31.42	+20 27.7	1.823	2.800	3.1	19.9
12 17	5 22.26	+20 43.1	1.827	2.809	1.7	19.9
12 27	5 13.51	+20 59.0	1.861	2.819	5.6	20.2
1 6	5 6.21	+21 15.7	1.923	2.828	9.4	20.4
1 16	5 1.08	+21 33.7	2.009	2.838	12.7	20.6

238223 2003 UX_{144} 12 13.8 93°.63 4°.2/14.6 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 59.98	+34 14.4	1.880	2.663	15.6	20.7
11 17	5 53.72	+34 41.3	1.816	2.683	12.3	20.5
11 27	5 44.53	+34 58.4	1.775	2.704	8.7	20.3
12 7	5 33.33	+35 1.7	1.760	2.724	5.4	20.1
12 17	5 21.42	+34 49.3	1.773	2.743	4.3	20.1
12 27	5 10.29	+34 22.4	1.815	2.762	6.8	20.3
1 6	5 1.19	+33 45.2	1.885	2.781	10.2	20.6
1 16	4 54.91	+33 3.4	1.979	2.799	13.3	20.8

21861 Maryhedberg 12 13.8 276°.61 1°.8/14.3 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 53.41	+29 53.5	2.177	2.969	13.5	19.1
11 17	5 48.41	+29 44.9	2.087	2.964	10.5	18.9
11 27	5 41.00	+29 29.3	2.020	2.959	7.1	18.7
12 7	5 31.89	+29 5.3	1.980	2.954	3.5	18.5
12 17	5 22.05	+28 32.7	1.970	2.950	2.2	18.4
12 27	5 12.62	+27 53.1	1.989	2.945	5.5	18.6
1 6	5 4.67	+27 9.9	2.036	2.940	9.1	18.8
1 16	4 58.93	+26 26.8	2.109	2.935	12.3	19.0

408693 2014 MM_{61} 12 13.8 239°.95 2°.4/14.3 17

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 55.05	+30 44.1	2.045	2.837	14.2	21.0
11 17	5 49.86	+30 43.3	1.957	2.833	11.2	20.8
11 27	5 42.05	+30 35.1	1.891	2.829	7.6	20.6
12 7	5 32.36	+30 17.2	1.852	2.824	3.9	20.4
12 17	5 21.84	+29 48.9	1.841	2.820	2.6	20.3
12 27	5 11.78	+29 11.8	1.861	2.816	5.9	20.5
1 6	5 3.33	+28 29.4	1.908	2.811	9.6	20.7
1 16	4 57.31	+27 46.0	1.980	2.806	13.0	20.9

396275 2014 CD_{21} 12 13.8 345°.49 5°.2/14.5 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 56.51	+34 2.7	1.411	2.221	18.6	20.3
11 17	5 52.34	+34 37.2	1.334	2.217	14.9	20.1
11 27	5 44.37	+35 1.4	1.278	2.214	10.7	19.8
12 7	5 33.50	+35 9.5	1.245	2.211	6.7	19.6
12 17	5 21.29	+34 57.5	1.237	2.208	5.4	19.5
12 27	5 9.75	+34 26.0	1.255	2.207	8.6	19.7
1 6	5 0.63	+33 40.7	1.298	2.205	12.9	19.9
1 16	4 55.08	+32 49.1	1.363	2.204	16.9	20.2

403708 2010 VF_{175} 12 13.8 211°.42 1°.2/13.7 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 52.02	+19 55.1	2.139	2.939	13.4	21.8
11 17	5 47.23	+19 47.4	2.054	2.938	10.4	21.6
11 27	5 40.19	+19 40.4	1.993	2.936	6.8	21.3
12 7	5 31.56	+19 34.3	1.958	2.935	3.0	21.1
12 17	5 22.22	+19 29.2	1.953	2.934	1.8	21.0
12 27	5 13.22	+19 26.0	1.977	2.932	5.6	21.3
1 6	5 5.55	+19 25.6	2.030	2.931	9.2	21.5
1 16	4 59.93	+19 28.9	2.107	2.929	12.5	21.7

132494 2002 JQ_{30} 12 13.8 193°.36 1°.5/13.7 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 54.61	+19 30.3	2.050	2.847	14.0	21.1
11 17	5 49.31	+19 20.6	1.964	2.845	10.9	20.9
11 27	5 41.60	+19 11.7	1.901	2.844	7.2	20.7
12 7	5 32.17	+19 3.9	1.865	2.842	3.2	20.4
12 17	5 21.95	+18 57.5	1.858	2.839	2.1	20.4
12 27	5 12.10	+18 53.2	1.882	2.836	5.9	20.6
1 6	5 3.67	+18 52.3	1.933	2.832	9.7	20.8
1 16	4 57.44	+18 55.6	2.009	2.829	13.1	21.0

360655 2004 RO_{22} 12 13.8 118°.49 3°.4/14.5 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 56.50	+34 0.7	2.503	3.275	12.5	21.5
11 17	5 50.43	+34 23.7	2.430	3.291	9.9	21.4
11 27	5 42.13	+34 39.1	2.381	3.307	7.0	21.2
12 7	5 32.31	+34 44.1	2.360	3.322	4.3	21.1
12 17	5 21.91	+34 37.3	2.368	3.337	3.5	21.0
12 27	5 12.01	+34 19.2	2.407	3.352	5.5	21.2
1 6	5 3.55	+33 52.5	2.475	3.366	8.3	21.4
1 16	4 57.22	+33 21.0	2.569	3.380	10.8	21.6

11827 Wasyuzan 12 13.8 0°.93 1°.9/13.6 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 51.05	+21 30.3	1.094	1.939	20.5	17.5
11 17	5 48.32	+20 59.6	1.028	1.936	15.9	17.3
11 27	5 41.78	+20 27.0	0.981	1.935	10.5	17.0
12 7	5 32.43	+19 53.9	0.956	1.935	4.6	16.6
12 17	5 21.85	+19 22.6	0.954	1.936	2.9	16.5
12 27	5 12.02	+18 56.5	0.977	1.938	8.6	16.9
1 6	5 4.66	+18 38.7	1.022	1.941	14.2	17.2
1 16	5 0.84	+18 31.3	1.087	1.946	19.0	17.5

219953 2002 GB_{180} 12 13.9 94°.70 4°.4/13.0 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
11 7	5 50.57	+11 23.2	2.227	3.018	13.2	20.3
11 17	5 45.81	+10 40.1	2.155	3.026	10.5	20.1
11 27	5 39.10	+10 2.3	2.106	3.035	7.5	20.0
12 7	5 31.07	+ 9 32.6	2.083	3.044	5.0	19.8
12 17	5 22.51	+ 9 12.8	2.090	3.052	4.7	19.8
12 27	5 14.35	+ 9 4.4	2.126	3.060	6.9	20.0
1 6	5 7.42	+ 9 7.5	2.189	3.069	9.7	20.2
1 16	5 2.32	+ 9 21.2	2.276	3.077	12.4	20.4

512215 2015 TZ_{195} 12 13.9 133°.91 6°.1/15.3 17

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	6 0.29	+41 4.9	2.076	2.838	15.0	21.0
11 17	5 54.12	+41 31.4	1.999	2.844	12.4	20.8
11 27	5 44.90	+41 44.0	1.943	2.850	9.5	20.6
12 7	5 33.55	+41 38.0	1.913	2.856	7.0	20.5
12 17	5 21.37	+41 10.7	1.910	2.861	6.2	20.5
12 27	5 9.89	+40 23.3	1.936	2.867	7.7	20.6
1 6	5 0.44	+39 21.1	1.989	2.872	10.4	20.7
1 16	4 53.85	+38 10.9	2.067	2.877	13.1	20.9

492345 2014 HM_{7} 12 13.9 158°.65 1°.4/13.9 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 56.72	+26 18.9	2.258	3.044	13.2	22.1
11 17	5 50.82	+26 45.5	2.175	3.051	10.2	21.9
11 27	5 42.54	+27 9.8	2.117	3.056	6.8	21.7
12 7	5 32.55	+27 29.3	2.086	3.062	3.1	21.4
12 17	5 21.81	+27 42.4	2.086	3.067	1.9	21.4
12 27	5 11.45	+27 48.7	2.116	3.071	5.3	21.6
1 6	5 2.50	+27 49.6	2.176	3.075	8.8	21.8
1 16	4 55.75	+27 47.5	2.261	3.078	11.9	22.0

63324 2001 FH_{51} 12 13.9 203°.27 1°.7/13.6 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 53.85	+19 5.1	2.089	2.886	13.8	20.5
11 17	5 48.69	+18 48.6	2.002	2.883	10.7	20.3
11 27	5 41.18	+18 32.9	1.937	2.880	7.1	20.1
12 7	5 32.00	+18 18.5	1.900	2.876	3.3	19.8
12 17	5 22.07	+18 6.0	1.892	2.872	2.3	19.7
12 27	5 12.48	+17 56.7	1.914	2.868	5.9	20.0
1 6	5 4.27	+17 51.8	1.965	2.863	9.7	20.2
1 16	4 58.20	+17 52.1	2.040	2.858	13.0	20.4

575 Renate 12 13.9 104°.52 8°.4/15.4 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	6 3.99	+44 35.8	1.883	2.635	16.6	15.2
11 17	5 57.56	+45 35.0	1.817	2.648	14.0	15.0
11 27	5 47.45	+46 18.2	1.771	2.661	11.3	14.9
12 7	5 34.69	+46 37.8	1.749	2.673	9.1	14.8
12 17	5 20.86	+46 29.4	1.753	2.685	8.4	14.7
12 27	5 7.90	+45 53.4	1.785	2.697	9.6	14.8
1 6	4 57.43	+44 55.9	1.842	2.708	11.9	15.0
1 16	4 50.42	+43 45.6	1.922	2.719	14.5	15.2

437970 2003 ND_{12} 12 13.9 50°.62 6°.1/13.7 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 53.06	+ 8 39.8	1.553	2.356	17.4	20.4
11 17	5 48.53	+ 8 13.0	1.489	2.366	14.0	20.2
11 27	5 41.26	+ 7 57.8	1.445	2.375	10.2	20.0
12 7	5 32.06	+ 7 57.5	1.426	2.385	7.0	19.9
12 17	5 22.09	+ 8 13.5	1.433	2.395	6.4	19.9
12 27	5 12.69	+ 8 45.7	1.467	2.405	8.9	20.0
1 6	5 5.04	+ 9 31.7	1.526	2.416	12.5	20.3
1 16	4 59.96	+10 28.2	1.607	2.427	15.8	20.5

137517 1999 VT_{42} 12 13.9 70°.53 1°.0/13.9 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 59.55	+25 40.3	1.340	2.156	19.0	20.2
11 17	5 54.01	+25 42.2	1.286	2.177	14.7	20.0
11 27	5 44.99	+25 39.8	1.252	2.199	9.6	19.7
12 7	5 33.60	+25 31.2	1.242	2.220	4.1	19.5
12 17	5 21.43	+25 15.5	1.258	2.241	2.0	19.4
12 27	5 10.27	+24 54.9	1.302	2.262	7.2	19.8
1 6	5 1.59	+24 33.1	1.372	2.283	12.0	20.1
1 16	4 56.22	+24 13.9	1.464	2.303	16.0	20.4

41193 1999 VV_{206} 12 13.9 143°.10 6°.8/15.5 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	6 3.85	+43 37.1	2.180	2.924	14.9	19.2
11 17	5 56.81	+44 11.6	2.105	2.935	12.4	19.0
11 27	5 46.64	+44 31.1	2.051	2.945	9.8	18.8
12 7	5 34.28	+44 30.4	2.023	2.954	7.6	18.7
12 17	5 21.10	+44 6.1	2.023	2.963	6.9	18.7
12 27	5 8.68	+43 19.4	2.052	2.971	8.1	18.8
1 6	4 58.40	+42 15.7	2.107	2.978	10.5	19.0
1 16	4 51.11	+41 2.3	2.188	2.985	12.9	19.1

224740 2006 DZ_{42} 12 13.9 65°.11 0°.3/13.8 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 51.82	+22 29.7	2.148	2.948	13.3	20.7
11 17	5 47.04	+22 28.3	2.071	2.955	10.3	20.5
11 27	5 40.05	+22 26.1	2.018	2.962	6.7	20.3
12 7	5 31.52	+22 22.5	1.991	2.969	2.8	20.1
12 17	5 22.35	+22 17.5	1.994	2.976	1.3	20.0
12 27	5 13.60	+22 11.7	2.026	2.983	5.3	20.2
1 6	5 6.22	+22 6.5	2.086	2.990	8.9	20.5
1 16	5 0.89	+22 3.2	2.172	2.997	12.0	20.7

511787 2015 EF_{63} 12 13.9 190°.15 2°.9/14.1 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
11 7	6 0.99	+30 11.1	2.134	2.912	14.1	22.5
11 17	5 54.46	+30 45.5	2.043	2.911	11.1	22.3
11 27	5 45.14	+31 15.1	1.976	2.909	7.7	22.0
12 7	5 33.73	+31 36.0	1.936	2.906	4.2	21.8
12 17	5 21.31	+31 45.5	1.927	2.902	3.1	21.8
12 27	5 9.26	+31 43.0	1.948	2.897	6.2	21.9
1 6	4 58.82	+31 30.9	1.998	2.892	9.8	22.1
1 16	4 50.91	+31 13.2	2.073	2.885	13.0	22.3

97545 2000 DL_{48} 12 13.9 28°.69 4°.2/14.6 17

11 7	5 54.05	+34 50.2	2.033	2.821	14.4	19.4
11 17	5 49.21	+35 16.3	1.957	2.826	11.5	19.2
11 27	5 41.69	+35 33.2	1.903	2.831	8.3	19.0
12 7	5 32.25	+35 37.6	1.875	2.837	5.3	18.9
12 17	5 22.02	+35 27.3	1.874	2.843	4.4	18.8
12 27	5 12.31	+35 3.1	1.902	2.849	6.6	19.0
1 6	5 4.30	+34 28.5	1.958	2.855	9.8	19.2
1 16	4 58.79	+33 48.2	2.038	2.862	12.8	19.4

99050 2001 EG_{14} 12 13.9 28°.06 4°.7/14.0 17

11 7	5 55.89	+34 7.6	2.144	2.927	14.0	19.2
11 17	5 50.69	+35 9.2	2.063	2.928	11.2	19.0
11 27	5 42.75	+36 4.7	2.005	2.930	8.1	18.8
12 7	5 32.75	+36 49.3	1.973	2.931	5.4	18.7
12 17	5 21.76	+37 18.9	1.970	2.933	4.8	18.6
12 27	5 11.08	+37 32.4	1.996	2.935	6.9	18.8
1 6	5 1.98	+37 31.7	2.049	2.937	9.9	18.9
1 16	4 55.37	+37 20.6	2.127	2.939	12.7	19.1

367879 2011 FO_{157} 12 13.9 347°.32 4°.5/13.5 17

11 7	5 49.44	+10 43.1	2.018	2.815	14.2	20.4
11 17	5 45.32	+10 24.7	1.936	2.812	11.3	20.2
11 27	5 39.01	+10 14.1	1.877	2.809	8.1	20.0
12 7	5 31.13	+10 13.2	1.843	2.806	5.2	19.8
12 17	5 22.53	+10 23.2	1.838	2.804	4.7	19.8
12 27	5 14.24	+10 44.4	1.860	2.802	7.1	19.9
1 6	5 7.23	+11 16.0	1.910	2.800	10.4	20.1
1 16	5 2.21	+11 56.3	1.984	2.799	13.4	20.3

329880 2005 CZ_{28} 12 13.9 227°.45 1°.6/13.7 18

11 7	5 57.30	+19 5.8	1.619	2.425	16.7	21.9
11 17	5 52.15	+19 5.5	1.532	2.418	13.1	21.6
11 27	5 43.91	+19 7.9	1.465	2.410	8.7	21.3
12 7	5 33.30	+19 12.6	1.425	2.402	3.9	21.0
12 17	5 21.50	+19 19.2	1.412	2.393	2.4	20.9
12 27	5 10.07	+19 28.0	1.428	2.384	7.1	21.2
1 6	5 0.43	+19 39.6	1.470	2.374	11.9	21.4
1 16	4 53.62	+19 55.2	1.535	2.364	16.0	21.7

157010 2003 QY_{32} 12 13.9 78°.88 0°.4/13.8 18

11 7	5 52.73	+22 21.2	2.202	2.998	13.2	20.5
11 17	5 47.58	+22 19.0	2.133	3.015	10.1	20.3
11 27	5 40.30	+22 16.1	2.089	3.032	6.6	20.1
12 7	5 31.59	+22 11.8	2.071	3.049	2.7	19.9
12 17	5 22.35	+22 6.3	2.084	3.066	1.3	19.8
12 27	5 13.59	+22 0.1	2.126	3.083	5.1	20.1
1 6	5 6.22	+21 54.6	2.197	3.099	8.6	20.4
1 16	5 0.87	+21 51.2	2.293	3.116	11.6	20.6

78425 2002 QO_{42} 12 13.9 26°.61 2°.2/13.9 18

11 7	5 52.85	+16 6.9	1.102	1.941	20.8	17.5
11 17	5 49.22	+16 37.8	1.060	1.963	16.0	17.3
11 27	5 42.04	+17 17.9	1.036	1.987	10.5	17.0
12 7	5 32.43	+18 5.4	1.035	2.013	4.8	16.8
12 17	5 22.00	+18 57.0	1.059	2.040	2.9	16.8
12 27	5 12.56	+19 50.0	1.108	2.069	7.9	17.2
1 6	5 5.60	+20 42.1	1.180	2.098	12.9	17.5
1 16	5 1.94	+21 32.5	1.274	2.129	17.0	17.9

173750 2001 RB_{43} 12 13.9 172°.69 1°.5/14.2 18

11 7	5 55.72	+29 2.6	2.247	3.034	13.3	20.4
11 17	5 50.04	+28 51.8	2.161	3.036	10.3	20.2
11 27	5 42.01	+28 34.5	2.099	3.038	6.9	20.0
12 7	5 32.35	+28 9.6	2.065	3.039	3.3	19.8
12 17	5 22.03	+27 36.9	2.060	3.040	1.9	19.7
12 27	5 12.17	+26 58.3	2.086	3.041	5.3	19.9
1 6	5 3.80	+26 17.0	2.140	3.041	8.8	20.2
1 16	4 57.62	+25 36.4	2.221	3.041	12.0	20.4

77545 2001 JR_{1} 12 13.9 134°.55 1°.5/14.1 17

11 7	5 52.72	+27 57.6	2.654	3.439	11.5	20.3
11 17	5 47.40	+28 10.7	2.573	3.447	8.9	20.1
11 27	5 40.14	+28 20.0	2.517	3.455	5.9	20.0
12 7	5 31.55	+28 24.1	2.489	3.463	2.8	19.8
12 17	5 22.39	+28 22.2	2.491	3.471	1.8	19.7
12 27	5 13.59	+28 14.6	2.524	3.478	4.6	19.9
1 6	5 5.96	+28 2.8	2.586	3.485	7.6	20.1
1 16	5 0.14	+27 49.1	2.674	3.492	10.3	20.3

470967 2009 RF_{16} 12 13.9 30°.44 2°.2/14.0 16

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
11 7	5 54.98	+26 33.2	1.103	1.941	20.9	21.2
11 17	5 51.35	+27 0.9	1.051	1.953	16.2	20.9
11 27	5 43.72	+27 24.5	1.017	1.967	10.7	20.7
12 7	5 33.24	+27 40.2	1.004	1.982	5.0	20.4
12 17	5 21.65	+27 45.1	1.016	1.998	2.9	20.3
12 27	5 11.08	+27 39.9	1.053	2.015	8.2	20.7
1 6	5 3.26	+27 28.5	1.114	2.032	13.4	21.0
1 16	4 59.15	+27 15.4	1.194	2.051	17.8	21.4

104189 2000 EQ_{100} 12 13.9 21°.07 1°.0/13.9 18

11 7	5 52.24	+25 26.4	1.035	1.882	21.3	19.1
11 17	5 49.37	+25 27.2	0.982	1.891	16.5	18.8
11 27	5 42.48	+25 23.5	0.948	1.901	10.8	18.6
12 7	5 32.73	+25 13.7	0.934	1.913	4.6	18.3
12 17	5 21.89	+24 57.2	0.944	1.927	2.2	18.1
12 27	5 12.07	+24 36.4	0.978	1.941	8.2	18.6
1 6	5 4.99	+24 15.3	1.034	1.957	13.7	18.9
1 16	5 1.60	+23 57.9	1.111	1.974	18.3	19.3

408523 2013 JK_{40} 12 13.9 96°.50 3°.2/13.7 18

11 7	5 52.19	+13 0.7	2.173	2.964	13.5	20.9
11 17	5 47.20	+12 58.2	2.099	2.974	10.6	20.7
11 27	5 40.11	+13 1.9	2.048	2.983	7.3	20.6
12 7	5 31.57	+13 12.6	2.024	2.992	4.2	20.4
12 17	5 22.43	+13 30.5	2.029	3.002	3.5	20.4
12 27	5 13.67	+13 55.2	2.064	3.011	6.1	20.5
1 6	5 6.19	+14 26.1	2.127	3.020	9.3	20.8
1 16	5 0.64	+15 2.1	2.215	3.029	12.3	21.0

441895 2010 EM 12 13.9 267°.96 9°.3/14.4 18

11 7	5 55.00	− 2 54.4	1.868	2.620	16.8	20.6
11 17	5 49.85	− 3 9.1	1.780	2.609	14.4	20.4
11 27	5 42.14	− 3 4.0	1.712	2.597	11.9	20.3
12 7	5 32.53	− 2 34.3	1.668	2.586	9.9	20.1
12 17	5 21.95	− 1 37.8	1.650	2.574	9.4	20.1
12 27	5 11.61	− 0 15.5	1.660	2.562	10.8	20.1
1 6	5 2.66	+ 1 27.8	1.695	2.551	13.4	20.3
1 16	4 55.96	+ 3 25.9	1.755	2.539	16.2	20.4

306210 2011 QR_{24} 12 13.9 217°.20 1°.1/14.0 18

11 7	5 55.93	+26 18.8	1.930	2.728	14.7	21.3
11 17	5 50.69	+26 25.0	1.842	2.723	11.5	21.1
11 27	5 42.72	+26 27.7	1.776	2.719	7.6	20.9
12 7	5 32.76	+26 24.8	1.737	2.714	3.4	20.6
12 17	5 21.87	+26 15.5	1.727	2.708	1.8	20.5
12 27	5 11.36	+26 0.4	1.746	2.703	6.0	20.7
1 6	5 2.48	+25 41.9	1.793	2.697	10.1	21.0
1 16	4 56.08	+25 23.4	1.864	2.691	13.7	21.2

23941 1998 UW_{1} 12 13.9 71°.51 3°.0/13.9 18

11 7	5 56.19	+13 13.9	1.744	2.541	16.1	17.1
11 17	5 50.64	+13 33.2	1.683	2.562	12.5	16.9
11 27	5 42.50	+14 1.0	1.644	2.582	8.5	16.7
12 7	5 32.59	+14 36.8	1.631	2.603	4.5	16.5
12 17	5 21.99	+15 19.4	1.647	2.623	3.4	16.5
12 27	5 11.99	+16 7.0	1.692	2.644	6.7	16.8
1 6	5 3.69	+16 57.8	1.765	2.664	10.5	17.0
1 16	4 57.85	+17 50.3	1.862	2.684	13.9	17.3

312851 2011 UZ_{84} 12 13.9 81°.96 3°.1/14.2 18

11 7	5 56.92	+30 6.6	1.849	2.644	15.4	21.1
11 17	5 51.51	+30 40.5	1.779	2.657	12.0	20.9
11 27	5 43.24	+31 8.8	1.732	2.669	8.2	20.7
12 7	5 32.95	+31 27.8	1.710	2.681	4.5	20.5
12 17	5 21.82	+31 35.0	1.717	2.694	3.3	20.5
12 27	5 11.27	+31 30.6	1.753	2.706	6.4	20.7
1 6	5 2.56	+31 17.3	1.817	2.718	10.1	20.9
1 16	4 56.53	+30 59.1	1.904	2.730	13.5	21.2

54275 2000 JF_{43} 12 13.9 331°.23 0°.4/13.9 18

11 7	5 52.05	+22 54.6	1.251	2.085	19.1	18.9
11 17	5 49.09	+23 12.8	1.169	2.071	14.9	18.6
11 27	5 42.45	+23 32.2	1.107	2.058	9.9	18.2
12 7	5 32.88	+23 50.7	1.067	2.046	4.2	17.9
12 17	5 21.78	+24 5.9	1.052	2.035	2.0	17.7
12 27	5 11.05	+24 17.2	1.063	2.025	8.0	18.0
1 6	5 2.51	+24 26.0	1.097	2.016	13.5	18.3
1 16	4 57.42	+24 34.7	1.152	2.008	18.4	18.6

387018 2012 RR_{33} 12 13.9 94°.28 1°.6/13.7 18

11 7	5 57.33	+19 10.1	1.657	2.461	16.5	20.9
11 17	5 51.70	+19 5.9	1.594	2.479	12.7	20.7
11 27	5 43.27	+19 3.9	1.553	2.497	8.3	20.5
12 7	5 32.92	+19 3.7	1.538	2.514	3.7	20.3
12 17	5 21.86	+19 5.3	1.551	2.532	2.3	20.2
12 27	5 11.49	+19 9.3	1.593	2.548	6.6	20.5
1 6	5 3.00	+19 16.5	1.662	2.565	10.8	20.8
1 16	4 57.17	+19 27.7	1.754	2.581	14.4	21.1

74165 1998 QU_{104} 12 13.9 95°.45 0°.9/13.9 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
11 7	5 57.24	+24 44.0	1.922	2.718	14.8	19.7
11 17	5 51.40	+25 4.1	1.856	2.737	11.4	19.5
11 27	5 42.98	+25 22.3	1.814	2.756	7.5	19.3
12 7	5 32.79	+25 36.5	1.798	2.775	3.2	19.1
12 17	5 21.92	+25 45.2	1.812	2.794	1.6	19.0
12 27	5 11.65	+25 48.7	1.855	2.812	5.7	19.3
1 6	5 3.08	+25 48.5	1.927	2.830	9.6	19.6
1 16	4 56.98	+25 47.0	2.023	2.847	12.8	19.9

16548 1991 RR_{9} 12 13.9 58°.84 2°.7/14.2 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	6 1.27	+28 49.5	1.263	2.079	20.0	18.1
11 17	5 55.50	+29 7.6	1.218	2.108	15.5	17.9
11 27	5 46.01	+29 18.3	1.192	2.136	10.3	17.7
12 7	5 34.06	+29 17.8	1.190	2.165	5.0	17.5
12 17	5 21.40	+29 4.5	1.214	2.194	3.1	17.4
12 27	5 9.98	+28 40.6	1.265	2.224	7.6	17.8
1 6	5 1.31	+28 11.3	1.342	2.252	12.2	18.1
1 16	4 56.17	+27 42.0	1.440	2.281	16.2	18.5

101015 1998 QE_{55} 12 13.9 79°.13 9°.4/15.9 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	6 6.37	+47 21.4	1.845	2.586	17.3	19.6
11 17	5 59.56	+48 29.4	1.789	2.608	14.7	19.5
11 27	5 48.83	+49 18.7	1.754	2.630	12.2	19.4
12 7	5 35.31	+49 41.3	1.742	2.652	10.1	19.3
12 17	5 20.79	+49 32.4	1.756	2.673	9.4	19.3
12 27	5 7.35	+48 53.2	1.796	2.694	10.4	19.4
1 6	4 56.69	+47 50.4	1.860	2.715	12.4	19.6
1 16	4 49.76	+46 33.7	1.948	2.736	14.6	19.8

485941 2012 HD_{33} 12 13.9 140°.36 5°.2/12.9 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 49.16	+ 4 46.5	2.919	3.681	11.1	22.2
11 17	5 44.30	+ 4 9.3	2.845	3.691	9.1	22.1
11 27	5 37.96	+ 3 40.0	2.796	3.701	7.0	22.0
12 7	5 30.63	+ 3 20.9	2.774	3.710	5.5	21.9
12 17	5 22.90	+ 3 13.7	2.781	3.719	5.3	21.9
12 27	5 15.46	+ 3 19.0	2.818	3.727	6.6	22.0
1 6	5 8.92	+ 3 36.2	2.883	3.736	8.6	22.1
1 16	5 3.76	+ 4 3.9	2.973	3.743	10.5	22.3

410883 2009 SZ_{47} 12 13.9 359°.08 5°.0/14.5 17

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 55.05	+35 57.8	2.051	2.835	14.5	20.6
11 17	5 50.16	+36 41.0	1.970	2.834	11.7	20.4
11 27	5 42.46	+37 15.6	1.910	2.833	8.6	20.3
12 7	5 32.68	+37 36.9	1.877	2.833	5.9	20.1
12 17	5 21.94	+37 41.9	1.871	2.833	5.1	20.0
12 27	5 11.62	+37 30.2	1.893	2.834	7.1	20.2
1 6	5 3.00	+37 5.0	1.942	2.834	10.1	20.4
1 16	4 56.97	+36 31.0	2.016	2.835	13.1	20.6

394587 2007 VJ_{128} 12 13.9 115°.47 0°.9/14.0 15

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 55.77	+25 39.1	1.868	2.669	15.0	22.0
11 17	5 50.48	+25 45.2	1.793	2.676	11.6	21.8
11 27	5 42.51	+25 48.1	1.739	2.683	7.7	21.6
12 7	5 32.64	+25 46.1	1.712	2.690	3.3	21.3
12 17	5 21.98	+25 38.4	1.714	2.696	1.7	21.2
12 27	5 11.85	+25 26.0	1.745	2.703	5.9	21.5
1 6	5 3.41	+25 11.0	1.804	2.709	10.0	21.8
1 16	4 57.48	+24 56.5	1.887	2.715	13.5	22.0

324757 2007 GB_{4} 12 13.9 138°.31 2°.0/14.0 17

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 54.14	+27 51.6	2.318	3.106	12.8	21.1
11 17	5 48.89	+28 23.6	2.235	3.110	10.0	21.0
11 27	5 41.35	+28 52.5	2.176	3.114	6.7	20.8
12 7	5 32.15	+29 16.0	2.144	3.118	3.4	20.6
12 17	5 22.20	+29 32.0	2.142	3.121	2.3	20.5
12 27	5 12.58	+29 40.1	2.171	3.124	5.3	20.7
1 6	5 4.30	+29 41.7	2.228	3.128	8.6	20.9
1 16	4 58.11	+29 39.1	2.311	3.131	11.6	21.1

167449 2003 XP_{9} 12 13.9 6°.97 10°.0/14.0 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 53.43	+38 30.4	1.162	1.983	21.0	18.2
11 17	5 51.12	+40 22.4	1.103	1.984	17.5	18.0
11 27	5 44.25	+42 2.4	1.063	1.987	13.7	17.8
12 7	5 33.74	+43 18.5	1.044	1.991	10.8	17.7
12 17	5 21.44	+44 1.3	1.047	1.998	10.2	17.7
12 27	5 9.89	+44 8.0	1.074	2.006	12.3	17.8
1 6	5 1.37	+43 44.6	1.121	2.015	15.6	18.0
1 16	4 57.23	+43 1.1	1.188	2.027	19.1	18.3

436663 2011 SF_{33} 12 13.9 73°.86 7°.8/13.2 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 53.47	+ 4 39.8	1.726	2.512	16.7	20.8
11 17	5 48.42	+ 3 42.0	1.672	2.532	13.6	20.6
11 27	5 40.97	+ 2 57.4	1.639	2.551	10.6	20.5
12 7	5 31.94	+ 2 30.3	1.631	2.571	8.3	20.4
12 17	5 22.35	+ 2 23.7	1.649	2.590	7.9	20.4
12 27	5 13.39	+ 2 38.1	1.694	2.610	9.8	20.6
1 6	5 6.06	+ 3 11.3	1.764	2.629	12.5	20.8
1 16	5 1.02	+ 3 59.6	1.856	2.648	15.1	21.0

431339 2006 XT_{59} 12 13.9 53°.29 1°.0/13.9 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
11 7	5 57.86	+17 56.0	1.293	2.114	19.4	20.7
11 17	5 52.95	+18 37.2	1.234	2.128	15.0	20.4
11 27	5 44.54	+19 25.7	1.196	2.143	9.8	20.2
12 7	5 33.59	+20 18.8	1.181	2.159	4.2	19.9
12 17	5 21.59	+21 12.7	1.193	2.175	2.1	19.8
12 27	5 10.35	+22 4.4	1.232	2.191	7.5	20.2
1 6	5 1.43	+22 52.7	1.296	2.208	12.5	20.5
1 16	4 55.81	+23 37.7	1.382	2.224	16.7	20.8

181553 2006 UB_{270} 12 13.9 275°.53 2°.8/13.9 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 55.51	+28 58.3	2.029	2.822	14.3	20.2
11 17	5 50.58	+29 40.4	1.929	2.806	11.3	20.0
11 27	5 42.85	+30 19.9	1.852	2.789	7.8	19.7
12 7	5 32.93	+30 53.1	1.801	2.773	4.2	19.5
12 17	5 21.83	+31 16.6	1.780	2.756	3.1	19.4
12 27	5 10.88	+31 29.1	1.787	2.739	6.4	19.5
1 6	5 1.39	+31 31.9	1.823	2.722	10.2	19.7
1 16	4 54.39	+31 28.0	1.883	2.705	13.7	19.9

213633 2002 QX_{108} 12 13.9 329°.28 5°.0/13.1 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 49.23	+14 45.6	1.431	2.257	17.5	19.9
11 17	5 46.23	+13 54.2	1.345	2.239	13.9	19.6
11 27	5 40.19	+13 5.8	1.279	2.223	9.8	19.3
12 7	5 31.85	+12 24.3	1.237	2.207	6.0	19.0
12 17	5 22.34	+11 53.7	1.220	2.192	5.4	19.0
12 27	5 13.17	+11 37.2	1.229	2.178	9.1	19.1
1 6	5 5.74	+11 36.3	1.262	2.165	13.5	19.4
1 16	5 1.08	+11 50.5	1.316	2.153	17.7	19.6

10621 1997 XN 12 13.9 52°.82 2°.1/14.3 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 54.78	+29 51.0	1.945	2.741	14.7	18.4
11 17	5 49.75	+29 48.6	1.863	2.743	11.5	18.1
11 27	5 42.05	+29 39.1	1.805	2.744	7.8	17.9
12 7	5 32.47	+29 20.7	1.772	2.746	3.8	17.7
12 17	5 22.11	+28 52.8	1.768	2.748	2.4	17.6
12 27	5 12.27	+28 17.1	1.794	2.750	5.9	17.8
1 6	5 4.12	+27 37.2	1.846	2.752	9.8	18.1
1 16	4 58.44	+26 57.2	1.924	2.754	13.2	18.3

304212 2006 QN_{127} 12 13.9 127°.72 5°.5/13.5 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 53.64	+ 6 51.0	2.190	2.965	13.9	21.2
11 17	5 48.19	+ 6 23.7	2.121	2.978	11.2	21.0
11 27	5 40.71	+ 6 5.9	2.074	2.991	8.4	20.8
12 7	5 31.84	+ 6 0.1	2.054	3.004	6.1	20.7
12 17	5 22.44	+ 6 7.7	2.063	3.016	5.7	20.7
12 27	5 13.46	+ 6 28.9	2.102	3.027	7.5	20.9
1 6	5 5.76	+ 7 2.3	2.167	3.038	10.2	21.0
1 16	4 59.99	+ 7 45.7	2.257	3.049	12.8	21.2

260586 2005 EK_{292} 12 13.9 254°.05 1°.2/13.8 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 56.72	+19 48.7	1.539	2.350	17.2	20.8
11 17	5 51.97	+19 53.3	1.450	2.339	13.5	20.5
11 27	5 43.98	+20 0.7	1.383	2.329	9.0	20.2
12 7	5 33.46	+20 10.0	1.340	2.318	3.9	19.9
12 17	5 21.64	+20 20.3	1.325	2.307	2.2	19.8
12 27	5 10.15	+20 31.7	1.338	2.295	7.3	20.1
1 6	5 0.50	+20 44.8	1.376	2.284	12.3	20.3
1 16	4 53.82	+21 1.0	1.438	2.272	16.6	20.6

270126 2001 RQ_{110} 12 13.9 77°.91 0°.7/13.8 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 58.49	+21 26.1	1.508	2.317	17.6	21.0
11 17	5 52.83	+21 28.3	1.451	2.339	13.5	20.8
11 27	5 44.11	+21 30.8	1.415	2.361	8.8	20.6
12 7	5 33.32	+21 32.7	1.405	2.383	3.7	20.4
12 17	5 21.81	+21 33.3	1.423	2.405	1.8	20.3
12 27	5 11.13	+21 33.4	1.468	2.426	6.7	20.7
1 6	5 2.58	+21 34.5	1.541	2.448	11.2	21.0
1 16	4 56.95	+21 38.3	1.636	2.469	15.0	21.3

295459 2008 PD_{10} 12 13.9 86°.71 8°.6/17.4 16

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	6 5.74	+52 6.3	2.366	3.070	14.9	20.6
11 17	5 58.34	+52 29.3	2.292	3.079	12.9	20.5
11 27	5 47.64	+52 32.9	2.239	3.089	10.9	20.4
12 7	5 34.74	+52 11.2	2.210	3.099	9.3	20.3
12 17	5 21.20	+51 21.5	2.206	3.108	8.6	20.3
12 27	5 8.73	+50 5.5	2.230	3.118	9.2	20.3
1 6	4 58.69	+48 29.7	2.281	3.127	10.8	20.4
1 16	4 51.85	+46 42.4	2.357	3.137	12.7	20.6

108528 2001 LQ_{2} 12 13.9 84°.00 0°.9/13.8 18 R

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 59.39	+20 47.7	1.536	2.342	17.5	19.1
11 17	5 53.44	+20 52.2	1.480	2.366	13.4	18.9
11 27	5 44.47	+20 57.8	1.445	2.390	8.7	18.7
12 7	5 33.46	+21 3.3	1.436	2.414	3.7	18.4
12 17	5 21.76	+21 8.0	1.455	2.437	1.9	18.4
12 27	5 10.90	+21 12.4	1.503	2.460	6.7	18.7
1 6	5 2.15	+21 17.8	1.577	2.483	11.1	19.1
1 16	4 56.30	+21 25.5	1.674	2.505	14.8	19.3

448678 2010 VO_{210} 12 13.9 353°.73 2°.9/14.5 17

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
11 7	5 53.77	+31 42.9	1.761	2.563	15.7	20.9
11 17	5 49.34	+31 41.4	1.680	2.561	12.4	20.7
11 27	5 41.98	+31 30.7	1.620	2.559	8.5	20.5
12 7	5 32.51	+31 8.4	1.585	2.557	4.6	20.2
12 17	5 22.15	+30 33.7	1.578	2.556	3.1	20.1
12 27	5 12.35	+29 48.7	1.599	2.555	6.5	20.4
1 6	5 4.40	+28 58.0	1.647	2.555	10.5	20.6
1 16	4 59.16	+28 6.7	1.719	2.555	14.2	20.8

303557 2005 GU_{44} 12 13.9 104°.28 0°.7/14.0 17

11 7	5 56.66	+25 25.8	2.045	2.837	14.2	21.8
11 17	5 50.81	+25 29.0	1.977	2.856	10.9	21.6
11 27	5 42.55	+25 29.1	1.932	2.874	7.1	21.4
12 7	5 32.64	+25 24.7	1.915	2.892	3.1	21.2
12 17	5 22.14	+25 15.3	1.927	2.910	1.5	21.1
12 27	5 12.22	+25 2.0	1.970	2.927	5.4	21.4
1 6	5 3.92	+24 46.8	2.041	2.943	9.1	21.7
1 16	4 57.93	+24 32.3	2.137	2.959	12.3	21.9

46150 2001 FY_{67} 12 13.9 191°.33 8°.0/12.8 18

11 7	5 52.11	+ 2 18.0	2.017	2.788	15.1	19.7
11 17	5 47.31	+ 1 19.6	1.941	2.787	12.6	19.5
11 27	5 40.31	+ 0 33.3	1.886	2.786	10.1	19.4
12 7	5 31.76	+ 0 3.7	1.857	2.785	8.4	19.2
12 17	5 22.51	− 0 5.8	1.855	2.784	8.2	19.2
12 27	5 13.62	+ 0 6.1	1.879	2.782	9.8	19.3
1 6	5 6.03	+ 0 37.9	1.929	2.780	12.2	19.5
1 16	5 0.46	+ 1 26.6	2.002	2.778	14.7	19.7

21829 Kaylacornale 12 13.9 94°.47 4°.4/13.7 18

11 7	5 58.46	+13 0.1	1.524	2.326	17.8	18.3
11 17	5 52.65	+12 40.6	1.467	2.347	13.9	18.1
11 27	5 43.93	+12 29.0	1.431	2.368	9.6	17.9
12 7	5 33.25	+12 27.1	1.420	2.389	5.6	17.7
12 17	5 21.89	+12 35.5	1.436	2.409	4.7	17.7
12 27	5 11.29	+12 54.3	1.481	2.428	8.0	17.9
1 6	5 2.68	+13 22.5	1.552	2.447	12.0	18.2
1 16	4 56.85	+13 58.5	1.645	2.466	15.5	18.5

302718 2002 TS_{277} 12 13.9 94°.39 0°.1/13.9 18

11 7	5 54.70	+24 26.9	1.872	2.674	14.9	20.2
11 17	5 49.61	+24 10.5	1.796	2.681	11.5	20.0
11 27	5 41.92	+23 50.7	1.742	2.687	7.5	19.8
12 7	5 32.44	+23 27.0	1.715	2.693	3.1	19.5
12 17	5 22.23	+23 0.1	1.717	2.699	1.4	19.4
12 27	5 12.57	+22 31.7	1.748	2.705	5.9	19.7
1 6	5 4.57	+22 4.7	1.806	2.711	9.9	20.0
1 16	4 58.99	+21 41.7	1.889	2.717	13.4	20.2

392559 2011 SC_{74} 12 13.9 52°.49 7°.8/12.3 18

11 7	5 52.85	+ 8 9.8	1.572	2.374	17.3	20.3
11 17	5 48.21	+ 6 36.8	1.516	2.388	14.0	20.1
11 27	5 40.98	+ 5 13.2	1.481	2.403	10.7	19.9
12 7	5 32.01	+ 4 5.1	1.471	2.419	8.2	19.8
12 17	5 22.45	+ 3 17.7	1.488	2.434	8.1	19.9
12 27	5 13.56	+ 2 53.8	1.531	2.450	10.3	20.0
1 6	5 6.42	+ 2 52.9	1.598	2.466	13.3	20.3
1 16	5 1.74	+ 3 11.9	1.686	2.482	16.2	20.5

209829 2005 GH_{140} 12 13.9 169°.14 3°.8/13.3 18

11 7	5 53.06	+12 53.0	2.219	3.007	13.4	20.6
11 17	5 47.86	+12 20.3	2.138	3.010	10.5	20.4
11 27	5 40.58	+11 52.2	2.080	3.013	7.4	20.2
12 7	5 31.85	+11 30.6	2.050	3.015	4.6	20.1
12 17	5 22.50	+11 17.2	2.049	3.017	4.1	20.0
12 27	5 13.50	+11 13.1	2.078	3.018	6.6	20.2
1 6	5 5.77	+11 18.7	2.135	3.019	9.7	20.4
1 16	4 59.95	+11 33.4	2.216	3.020	12.6	20.6

280123 2002 JM_{114} 12 13.9 116°.52 1°.5/13.6 18

11 7	5 56.22	+20 22.3	2.055	2.849	14.1	21.6
11 17	5 50.34	+19 56.3	1.986	2.866	10.9	21.5
11 27	5 42.17	+19 29.9	1.941	2.883	7.1	21.3
12 7	5 32.48	+19 3.6	1.923	2.899	3.2	21.0
12 17	5 22.24	+18 38.6	1.935	2.915	2.1	21.0
12 27	5 12.58	+18 16.6	1.977	2.930	5.7	21.3
1 6	5 4.45	+17 59.3	2.047	2.945	9.4	21.5
1 16	4 58.53	+17 48.0	2.143	2.959	12.5	21.8

1634 Ndola 12 13.9 151°.14 0°.7/13.9 18

11 7	5 59.46	+20 13.3	1.755	2.552	16.0	16.9
11 17	5 53.46	+20 29.4	1.679	2.560	12.4	16.7
11 27	5 44.57	+20 47.7	1.625	2.568	8.1	16.5
12 7	5 33.60	+21 6.7	1.598	2.575	3.5	16.2
12 17	5 21.70	+21 24.9	1.600	2.582	1.7	16.1
12 27	5 10.32	+21 42.0	1.631	2.588	6.4	16.4
1 6	5 0.72	+21 58.3	1.690	2.593	10.7	16.7
1 16	4 53.81	+22 15.3	1.774	2.597	14.4	16.9

439069 2011 JU_{11} 12 13.9 179°.97 0°.3/13.8 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
11 7	5 57.19	+23 16.3	2.076	2.867	14.0	22.4
11 17	5 51.33	+23 2.9	1.990	2.869	10.9	22.2
11 27	5 42.99	+22 47.2	1.928	2.870	7.1	21.9
12 7	5 32.89	+22 28.5	1.893	2.871	3.0	21.7
12 17	5 22.03	+22 7.3	1.888	2.870	1.4	21.6
12 27	5 11.61	+21 44.8	1.913	2.869	5.6	21.9
1 6	5 2.71	+21 23.5	1.967	2.867	9.6	22.1
1 16	4 56.09	+21 5.6	2.047	2.865	12.9	22.3

107383 2001 CN_{40} 12 13.9 351°.14 7°.1/13.9 18

11 7	5 58.98	+36 14.1	1.605	2.397	17.4	19.3
11 17	5 54.27	+37 41.0	1.528	2.395	14.2	19.1
11 27	5 45.79	+39 0.4	1.472	2.394	10.8	18.9
12 7	5 34.33	+40 3.9	1.441	2.392	7.8	18.7
12 17	5 21.32	+40 44.4	1.435	2.391	7.2	18.7
12 27	5 8.71	+40 59.2	1.457	2.391	9.5	18.8
1 6	4 58.34	+40 51.6	1.503	2.390	12.9	19.0
1 16	4 51.48	+40 28.3	1.572	2.390	16.2	19.2

391630 2007 VO_{141} 12 13.9 143°.02 2°.2/14.0 18

11 7	5 58.26	+27 38.6	2.190	2.975	13.6	21.4
11 17	5 52.19	+28 21.4	2.111	2.984	10.6	21.2
11 27	5 43.58	+29 1.6	2.057	2.994	7.1	21.0
12 7	5 33.16	+29 35.8	2.029	3.002	3.6	20.8
12 17	5 21.91	+30 1.3	2.032	3.011	2.5	20.7
12 27	5 11.04	+30 17.3	2.066	3.018	5.6	20.9
1 6	5 1.69	+30 25.1	2.129	3.025	9.1	21.2
1 16	4 54.65	+30 27.3	2.217	3.032	12.2	21.4

461653 2005 GN_{15} 12 13.9 174°.17 17°.0/10.4 17

11 7	5 56.62	− 8 39.5	1.339	2.094	22.1	21.6
11 17	5 51.77	−11 13.3	1.286	2.096	19.9	21.4
11 27	5 43.69	−13 22.3	1.251	2.097	18.1	21.3
12 7	5 33.28	−14 53.9	1.236	2.098	17.1	21.3
12 17	5 21.87	−15 38.5	1.242	2.098	17.2	21.3
12 27	5 11.06	−15 33.3	1.267	2.098	18.5	21.4
1 6	5 2.29	−14 42.7	1.311	2.098	20.5	21.5
1 16	4 56.51	−13 15.8	1.371	2.097	22.6	21.7

138237 2000 FQ_{28} 12 13.9 339°.31 9°.2/14.7 17

11 7	5 57.78	+42 26.8	1.587	2.368	18.1	19.4
11 17	5 53.69	+43 42.0	1.508	2.360	15.3	19.2
11 27	5 45.58	+44 43.5	1.449	2.353	12.3	19.0
12 7	5 34.28	+45 22.2	1.413	2.346	9.9	18.8
12 17	5 21.37	+45 31.4	1.401	2.340	9.2	18.8
12 27	5 8.99	+45 9.4	1.414	2.335	10.9	18.9
1 6	4 59.12	+44 21.7	1.451	2.330	13.7	19.0
1 16	4 53.03	+43 17.2	1.509	2.326	16.8	19.2

108587 2001 MC_{10} 12 13.9 109°.76 2°.8/13.9 18

11 7	5 58.77	+27 58.9	1.946	2.737	14.9	19.4
11 17	5 52.92	+28 57.4	1.872	2.748	11.6	19.2
11 27	5 44.24	+29 53.6	1.821	2.758	7.9	19.0
12 7	5 33.49	+30 43.1	1.797	2.769	4.2	18.8
12 17	5 21.77	+31 21.9	1.803	2.779	3.1	18.7
12 27	5 10.50	+31 48.5	1.838	2.789	6.3	18.9
1 6	5 0.92	+32 4.2	1.902	2.799	10.0	19.2
1 16	4 53.96	+32 12.0	1.990	2.809	13.2	19.4

11411 1999 HK_{1} 12 13.9 157°.38 16°.9/10.0 18

11 7	5 58.52	− 4 13.5	1.169	1.950	23.3	18.1
11 17	5 53.53	− 7 8.7	1.118	1.954	20.6	17.9
11 27	5 44.97	− 9 41.9	1.086	1.958	18.2	17.8
12 7	5 33.84	−11 38.1	1.074	1.961	17.0	17.7
12 17	5 21.64	−12 45.8	1.083	1.964	17.3	17.7
12 27	5 10.20	−13 0.5	1.112	1.966	19.0	17.9
1 6	5 1.09	−12 26.9	1.159	1.968	21.3	18.0
1 16	4 55.31	−11 14.7	1.222	1.969	23.8	18.2

63216 2001 AF_{26} 12 13.9 94°.74 1°.7/13.9 18

11 7	5 55.32	+26 1.3	2.169	2.961	13.5	19.1
11 17	5 49.92	+26 44.1	2.092	2.970	10.5	18.9
11 27	5 42.11	+27 25.5	2.039	2.979	7.0	18.7
12 7	5 32.55	+28 2.7	2.014	2.989	3.3	18.5
12 17	5 22.21	+28 33.0	2.018	2.998	2.1	18.5
12 27	5 12.24	+28 55.6	2.052	3.007	5.5	18.7
1 6	5 3.70	+29 11.2	2.115	3.016	9.0	18.9
1 16	4 57.38	+29 21.8	2.204	3.025	12.1	19.1

486483 2013 GE_{81} 12 13.9 207°.64 1°.6/14.1 17

11 7	5 54.81	+27 45.6	2.406	3.192	12.5	22.3
11 17	5 49.39	+28 1.9	2.313	3.187	9.8	22.1
11 27	5 41.71	+28 14.5	2.244	3.182	6.5	21.9
12 7	5 32.39	+28 21.7	2.202	3.177	3.1	21.6
12 17	5 22.29	+28 22.0	2.191	3.171	1.9	21.5
12 27	5 12.49	+28 15.6	2.210	3.165	5.1	21.8
1 6	5 3.96	+28 4.2	2.258	3.158	8.5	22.0
1 16	4 57.46	+27 50.4	2.333	3.151	11.6	22.1

276287 2002 TU_{20} 12 13.9 80°.57 1°.3/13.8 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
11 7	6 0.02	+20 10.9	1.466	2.275	18.1	20.8
11 17	5 53.99	+20 9.0	1.413	2.301	13.9	20.6
11 27	5 44.86	+20 8.7	1.382	2.327	9.0	20.3
12 7	5 33.66	+20 9.2	1.375	2.353	3.9	20.1
12 17	5 21.80	+20 10.1	1.396	2.378	2.1	20.1
12 27	5 10.86	+20 12.1	1.446	2.403	6.9	20.4
1 6	5 2.12	+20 16.4	1.522	2.428	11.4	20.7
1 16	4 56.38	+20 24.4	1.621	2.452	15.2	21.0

414995 2011 EO_{84} 12 13.9 318°.30 1°.4/14.1 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 51.86	+26 32.8	2.130	2.929	13.5	21.1
11 17	5 47.43	+26 52.2	2.039	2.921	10.5	20.8
11 27	5 40.59	+27 9.1	1.971	2.913	7.0	20.6
12 7	5 31.97	+27 21.5	1.930	2.906	3.2	20.4
12 17	5 22.49	+27 27.9	1.918	2.899	1.9	20.3
12 27	5 13.29	+27 28.4	1.935	2.891	5.5	20.5
1 6	5 5.45	+27 24.2	1.980	2.885	9.2	20.7
1 16	4 59.78	+27 17.7	2.049	2.878	12.5	20.9

251613 2009 HH_{105} 12 13.9 152°.06 1°.0/13.8 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 53.53	+21 3.3	2.016	2.817	14.1	21.4
11 17	5 48.58	+20 53.5	1.935	2.819	10.9	21.2
11 27	5 41.24	+20 43.4	1.876	2.820	7.2	20.9
12 7	5 32.20	+20 33.1	1.845	2.822	3.1	20.7
12 17	5 22.43	+20 22.8	1.842	2.824	1.7	20.6
12 27	5 13.06	+20 13.5	1.869	2.825	5.7	20.9
1 6	5 5.15	+20 6.7	1.924	2.827	9.6	21.1
1 16	4 59.44	+20 3.7	2.003	2.828	12.9	21.3

312613 2009 SB_{112} 12 13.9 250°.19 5°.2/12.6 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 50.61	+ 9 42.2	2.328	3.113	12.9	21.1
11 17	5 45.99	+ 8 45.8	2.237	3.103	10.4	20.9
11 27	5 39.41	+ 7 54.2	2.170	3.092	7.7	20.7
12 7	5 31.42	+ 7 10.8	2.129	3.082	5.6	20.5
12 17	5 22.79	+ 6 38.5	2.118	3.072	5.4	20.5
12 27	5 14.40	+ 6 19.4	2.135	3.061	7.4	20.6
1 6	5 7.12	+ 6 14.2	2.180	3.050	10.2	20.8
1 16	5 1.60	+ 6 22.3	2.249	3.039	12.9	20.9

387847 2004 OT_{8} 12 13.9 104°.52 1°.1/13.8 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 57.89	+20 13.3	1.756	2.556	15.9	21.4
11 17	5 52.07	+20 14.9	1.691	2.574	12.2	21.2
11 27	5 43.54	+20 17.7	1.648	2.592	8.0	21.0
12 7	5 33.15	+20 21.1	1.632	2.609	3.4	20.8
12 17	5 22.05	+20 24.7	1.644	2.626	1.8	20.7
12 27	5 11.60	+20 28.7	1.686	2.642	6.2	21.0
1 6	5 2.95	+20 34.4	1.755	2.658	10.3	21.3
1 16	4 56.87	+20 42.7	1.849	2.674	13.8	21.6

488080 2015 VT_{25} 12 13.9 149°.38 2°.6/14.1 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 57.58	+29 27.3	2.355	3.134	12.9	21.7
11 17	5 51.57	+30 9.2	2.274	3.143	10.1	21.5
11 27	5 43.15	+30 47.2	2.217	3.150	6.9	21.3
12 7	5 33.01	+31 18.2	2.188	3.158	3.8	21.1
12 17	5 22.08	+31 39.6	2.189	3.165	2.8	21.1
12 27	5 11.51	+31 50.8	2.221	3.171	5.5	21.3
1 6	5 2.34	+31 53.2	2.283	3.177	8.7	21.5
1 16	4 55.36	+31 49.6	2.370	3.182	11.6	21.7

100037 1991 RM 12 13.9 59°.38 9°.9/14.2 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 58.03	+ 2 11.6	1.276	2.070	21.0	18.5
11 17	5 52.39	+ 1 16.6	1.241	2.103	17.3	18.4
11 27	5 43.73	+ 0 42.8	1.225	2.136	13.5	18.3
12 7	5 33.16	+ 0 35.3	1.231	2.169	10.6	18.2
12 17	5 22.11	+ 0 55.9	1.262	2.202	10.0	18.3
12 27	5 12.12	+ 1 42.9	1.317	2.235	11.8	18.5
1 6	5 4.38	+ 2 50.5	1.396	2.268	14.7	18.7
1 16	4 59.58	+ 4 12.0	1.496	2.300	17.6	19.0

254100 2004 KH_{12} 12 13.9 222°.50 4°.0/12.9 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 52.23	+13 16.7	2.263	3.052	13.1	21.1
11 17	5 47.29	+12 28.2	2.173	3.045	10.4	20.9
11 27	5 40.27	+11 42.7	2.106	3.039	7.3	20.7
12 7	5 31.79	+11 2.7	2.067	3.031	4.7	20.5
12 17	5 22.64	+10 30.7	2.058	3.024	4.3	20.5
12 27	5 13.79	+10 8.8	2.078	3.016	6.8	20.6
1 6	5 6.13	+ 9 58.0	2.126	3.007	9.9	20.8
1 16	5 0.34	+ 9 58.3	2.198	2.999	12.8	20.9

131312 2001 FR_{160} 12 13.9 143°.04 5°.2/13.5 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 53.59	+ 7 53.7	2.207	2.984	13.8	20.6
11 17	5 48.22	+ 7 25.8	2.133	2.993	11.1	20.4
11 27	5 40.80	+ 7 6.5	2.082	3.002	8.2	20.3
12 7	5 31.98	+ 6 58.3	2.058	3.011	5.8	20.1
12 17	5 22.58	+ 7 2.5	2.063	3.019	5.4	20.1
12 27	5 13.57	+ 7 19.5	2.098	3.026	7.4	20.2
1 6	5 5.82	+ 7 48.4	2.160	3.033	10.1	20.4
1 16	4 59.98	+ 8 27.2	2.246	3.040	12.8	20.6

123967 2001 FX_{22} 12 13.9 260°.45 0°.4/13.9 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
11 7	5 51.86	+21 55.2	2.508	3.300	11.9	20.8
11 17	5 47.04	+21 56.2	2.404	3.283	9.2	20.6
11 27	5 40.17	+21 56.9	2.324	3.266	6.1	20.4
12 7	5 31.79	+21 56.8	2.272	3.249	2.6	20.1
12 17	5 22.64	+21 55.5	2.250	3.232	1.2	20.0
12 27	5 13.66	+21 53.6	2.258	3.214	4.9	20.2
1 6	5 5.75	+21 51.9	2.296	3.196	8.4	20.4
1 16	4 59.62	+21 51.8	2.359	3.178	11.4	20.6

31971 Beatricechoi 12 13.9 157°.71 0°.6/13.9 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 58.19	+24 20.1	1.969	2.762	14.7	19.4
11 17	5 52.28	+24 31.9	1.889	2.768	11.4	19.2
11 27	5 43.73	+24 41.8	1.833	2.775	7.5	19.0
12 7	5 33.28	+24 48.2	1.803	2.780	3.2	18.7
12 17	5 22.01	+24 49.9	1.803	2.785	1.5	18.6
12 27	5 11.20	+24 47.2	1.833	2.790	5.8	18.9
1 6	5 2.03	+24 41.8	1.891	2.793	9.8	19.2
1 16	4 55.31	+24 36.3	1.975	2.796	13.2	19.4

354646 2005 JW_{20} 12 13.9 239°.58 0°.7/13.9 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 55.80	+19 3.3	2.042	2.836	14.2	21.1
11 17	5 50.53	+19 35.0	1.947	2.827	11.0	20.9
11 27	5 42.70	+20 11.0	1.876	2.818	7.3	20.6
12 7	5 32.92	+20 49.8	1.832	2.809	3.1	20.4
12 17	5 22.13	+21 29.4	1.818	2.800	1.5	20.2
12 27	5 11.53	+22 8.3	1.834	2.791	5.8	20.5
1 6	5 2.28	+22 45.7	1.879	2.781	9.8	20.7
1 16	4 55.28	+23 21.9	1.949	2.771	13.4	20.9

399784 2005 NG_{60} 12 13.9 131°.10 2°.9/13.8 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 53.07	+14 26.5	1.998	2.794	14.3	21.2
11 17	5 48.21	+14 24.4	1.918	2.797	11.2	21.0
11 27	5 41.01	+14 28.0	1.860	2.799	7.7	20.8
12 7	5 32.14	+14 38.1	1.829	2.801	4.1	20.6
12 17	5 22.52	+14 54.6	1.827	2.803	3.3	20.6
12 27	5 13.26	+15 17.5	1.854	2.805	6.4	20.8
1 6	5 5.37	+15 46.1	1.909	2.806	10.0	21.0
1 16	4 59.61	+16 19.7	1.989	2.808	13.2	21.2

346407 2008 SE_{156} 12 13.9 75°.08 0°.2/13.9 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 58.43	+22 21.4	1.556	2.364	17.2	21.4
11 17	5 52.77	+22 29.2	1.500	2.387	13.2	21.2
11 27	5 44.10	+22 36.6	1.465	2.410	8.6	21.0
12 7	5 33.41	+22 42.2	1.455	2.433	3.6	20.8
12 17	5 22.02	+22 45.1	1.473	2.456	1.6	20.7
12 27	5 11.45	+22 45.9	1.520	2.479	6.5	21.1
1 6	5 2.94	+22 46.3	1.594	2.501	10.9	21.4
1 16	4 57.29	+22 48.2	1.691	2.523	14.6	21.7

492243 2013 TL_{133} 12 13.9 158°.08 5°.2/15.1 17

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 57.24	+42 50.4	3.105	3.840	11.0	22.1
11 17	5 51.03	+43 27.7	3.022	3.846	9.2	21.9
11 27	5 42.67	+43 54.7	2.963	3.852	7.3	21.8
12 7	5 32.79	+44 7.9	2.931	3.858	5.7	21.7
12 17	5 22.26	+44 5.4	2.928	3.863	5.2	21.7
12 27	5 12.10	+43 47.0	2.955	3.868	6.2	21.8
1 6	5 3.25	+43 15.4	3.010	3.872	8.0	21.9
1 16	4 56.38	+42 34.3	3.092	3.876	9.8	22.0

516255 2016 UB_{124} 12 13.9 22°.24 2°.1/14.3 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 55.15	+29 1.9	1.302	2.126	19.1	20.5
11 17	5 51.16	+28 55.1	1.236	2.131	14.9	20.2
11 27	5 43.53	+28 39.6	1.189	2.136	10.0	20.0
12 7	5 33.31	+28 13.1	1.166	2.143	4.7	19.7
12 17	5 22.05	+27 35.6	1.169	2.150	2.6	19.6
12 27	5 11.64	+26 50.2	1.197	2.158	7.5	19.9
1 6	5 3.64	+26 2.5	1.250	2.166	12.5	20.2
1 16	4 59.02	+25 18.1	1.325	2.175	16.8	20.5

267563 2002 QP_{44} 12 13.9 125°.20 8°.3/16.1 17

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	6 3.17	+51 16.9	2.653	3.356	13.4	20.5
11 17	5 56.38	+52 9.9	2.581	3.365	11.7	20.4
11 27	5 46.52	+52 47.2	2.529	3.374	10.0	20.3
12 7	5 34.47	+53 3.1	2.502	3.382	8.7	20.2
12 17	5 21.53	+52 54.0	2.501	3.391	8.3	20.2
12 27	5 9.24	+52 20.0	2.527	3.399	8.9	20.3
1 6	4 58.96	+51 25.4	2.578	3.407	10.3	20.4
1 16	4 51.57	+50 16.5	2.654	3.414	11.9	20.5

369487 2010 US_{39} 12 13.9 49°.56 1°.1/13.8 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 58.09	+22 37.6	1.078	1.913	21.4	20.5
11 17	5 53.45	+22 11.7	1.032	1.934	16.5	20.3
11 27	5 44.93	+21 43.8	1.004	1.956	10.7	20.0
12 7	5 33.81	+21 14.4	0.999	1.978	4.5	19.8
12 17	5 21.90	+20 44.9	1.018	2.000	2.3	19.7
12 27	5 11.21	+20 18.6	1.063	2.024	8.2	20.1
1 6	5 3.30	+19 58.8	1.131	2.047	13.5	20.5
1 16	4 59.00	+19 47.6	1.220	2.071	17.9	20.8

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
197407 2003 YD_{46}			12 13.9 202°.74		4°.8/14.2 18	
	h m	° ′			°	m
11 7	5 56.04	+36 24.3	2.496	3.264	12.6	20.1
11 17	5 50.60	+37 21.9	2.409	3.263	10.2	19.9
11 27	5 42.68	+38 12.5	2.346	3.262	7.6	19.8
12 7	5 32.91	+38 51.8	2.310	3.261	5.4	19.6
12 17	5 22.21	+39 16.5	2.303	3.260	4.9	19.6
12 27	5 11.77	+39 25.4	2.326	3.258	6.5	19.7
1 6	5 2.70	+39 20.4	2.377	3.257	9.0	19.9
1 16	4 55.83	+39 5.1	2.453	3.255	11.6	20.0
411131 2009 WA_{216}			12 13.9 116°.65		3°.7/13.2 18	R
11 7	5 50.71	+12 59.8	2.364	3.153	12.6	21.1
11 17	5 45.95	+12 22.7	2.287	3.160	9.9	20.9
11 27	5 39.30	+11 49.7	2.234	3.167	7.0	20.8
12 7	5 31.38	+11 22.9	2.209	3.173	4.4	20.6
12 17	5 22.94	+11 3.9	2.212	3.179	4.0	20.6
12 27	5 14.85	+10 54.1	2.246	3.185	6.2	20.8
1 6	5 7.92	+10 53.8	2.307	3.191	9.1	20.9
1 16	5 2.73	+11 2.7	2.393	3.197	11.8	21.1
228506 2001 TM_{27}			12 13.9 56°.77		1°.0/14.1 18	
11 7	5 59.27	+25 51.8	1.315	2.133	19.2	20.4
11 17	5 53.84	+25 53.6	1.267	2.160	14.8	20.2
11 27	5 44.96	+25 50.9	1.239	2.186	9.7	20.0
12 7	5 33.79	+25 41.7	1.235	2.213	4.2	19.8
12 17	5 21.93	+25 25.6	1.257	2.240	1.9	19.7
12 27	5 11.17	+25 4.7	1.307	2.267	7.1	20.1
1 6	5 2.90	+24 42.7	1.382	2.294	11.8	20.4
1 16	4 57.90	+24 23.3	1.479	2.321	15.8	20.7
442286 2011 SD_{3}			12 13.9 123°.02		2°.0/13.6 18	
11 7	5 55.54	+18 36.2	2.001	2.796	14.4	22.7
11 17	5 49.99	+18 15.8	1.929	2.809	11.1	22.6
11 27	5 42.08	+17 56.7	1.880	2.821	7.4	22.4
12 7	5 32.57	+17 39.5	1.858	2.834	3.5	22.1
12 17	5 22.45	+17 25.1	1.866	2.845	2.5	22.1
12 27	5 12.84	+17 14.8	1.904	2.856	6.0	22.3
1 6	5 4.74	+17 9.7	1.969	2.867	9.7	22.6
1 16	4 58.86	+17 10.5	2.060	2.878	12.9	22.8
516582 2007 EP_{167}			12 13.9 265°.39		0°.9/13.8 18	
11 7	5 56.42	+21 42.9	1.791	2.593	15.5	22.1
11 17	5 51.50	+21 31.0	1.686	2.571	12.2	21.8
11 27	5 43.62	+21 17.9	1.604	2.549	8.1	21.5
12 7	5 33.43	+21 3.3	1.548	2.526	3.5	21.2
12 17	5 21.99	+20 47.2	1.520	2.502	1.9	21.0
12 27	5 10.71	+20 31.0	1.521	2.478	6.7	21.3
1 6	5 0.98	+20 16.9	1.550	2.454	11.4	21.5
1 16	4 53.87	+20 7.3	1.602	2.429	15.5	21.7
113567 2002 TV_{36}			12 13.9 251°.71		0°.1/13.9 18	R
11 7	5 56.92	+21 37.3	1.563	2.373	17.0	19.5
11 17	5 52.13	+21 59.9	1.479	2.368	13.3	19.3
11 27	5 44.12	+22 24.7	1.417	2.363	8.8	19.0
12 7	5 33.64	+22 49.7	1.380	2.358	3.7	18.7
12 17	5 21.92	+23 12.7	1.370	2.353	1.7	18.6
12 27	5 10.58	+23 32.6	1.388	2.347	6.9	18.9
1 6	5 1.11	+23 50.1	1.433	2.342	11.8	19.1
1 16	4 54.59	+24 6.9	1.501	2.336	15.9	19.4
135825 2002 RW_{223}			12 13.9 199°.77		1°.0/14.1 18	
11 7	5 55.13	+25 57.5	1.930	2.730	14.7	20.3
11 17	5 50.09	+26 1.3	1.846	2.729	11.4	20.1
11 27	5 42.40	+26 1.6	1.785	2.728	7.5	19.9
12 7	5 32.80	+25 56.9	1.750	2.727	3.3	19.6
12 17	5 22.33	+25 46.4	1.743	2.725	1.6	19.5
12 27	5 12.29	+25 31.0	1.766	2.724	5.8	19.8
1 6	5 3.84	+25 13.1	1.817	2.723	9.9	20.0
1 16	4 57.83	+24 55.5	1.892	2.721	13.4	20.2
484803 2009 DT_{125}			12 13.9 265°.72		1°.5/13.7 18	
11 7	5 53.61	+19 52.4	1.935	2.737	14.5	22.3
11 17	5 48.94	+19 37.8	1.840	2.724	11.3	22.1
11 27	5 41.70	+19 23.6	1.767	2.711	7.5	21.8
12 7	5 32.54	+19 10.1	1.721	2.698	3.4	21.6
12 17	5 22.43	+18 57.9	1.703	2.684	2.1	21.4
12 27	5 12.58	+18 48.1	1.715	2.670	6.2	21.7
1 6	5 4.16	+18 42.3	1.754	2.656	10.4	21.9
1 16	4 58.04	+18 41.6	1.817	2.642	14.0	22.1
21511 Chiardola			12 13.9 238°.27		0°.3/13.9 18	
11 7	5 57.34	+23 47.1	1.631	2.438	16.6	18.5
11 17	5 52.31	+23 32.4	1.543	2.430	13.0	18.2
11 27	5 44.14	+23 14.4	1.476	2.421	8.6	18.0
12 7	5 33.61	+22 52.4	1.434	2.412	3.6	17.6
12 17	5 21.96	+22 26.6	1.420	2.403	1.7	17.5
12 27	5 10.74	+21 59.0	1.435	2.393	6.8	17.8
1 6	5 1.38	+21 32.7	1.476	2.383	11.6	18.0
1 16	4 54.88	+21 11.1	1.541	2.373	15.8	18.3

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
104548 2000 GS_{62}			12 13.9 165°.60		0°.1/13.9 18	
	h m	° ′			°	m
11 7	5 51.14	+23 8.0	2.882	3.668	10.7	21.0
11 17	5 46.09	+23 5.5	2.795	3.671	8.2	20.8
11 27	5 39.34	+23 1.8	2.733	3.674	5.4	20.6
12 7	5 31.41	+22 56.4	2.700	3.677	2.2	20.4
12 17	5 22.99	+22 49.3	2.697	3.680	1.0	20.3
12 27	5 14.84	+22 41.1	2.726	3.682	4.2	20.6
1 6	5 7.68	+22 32.7	2.785	3.684	7.1	20.8
1 16	5 2.09	+22 25.5	2.870	3.686	9.7	21.0
513497 2009 HB_{82}			12 13.9 190°.94		2°.6/14.6 18	
11 7	5 56.72	+34 32.3	3.660	4.410	9.2	24.4
11 17	5 50.12	+34 44.7	3.560	4.408	7.4	24.2
11 27	5 41.87	+34 50.8	3.485	4.405	5.2	24.1
12 7	5 32.45	+34 48.8	3.440	4.400	3.3	23.9
12 17	5 22.53	+34 37.7	3.428	4.395	2.6	23.9
12 27	5 12.86	+34 17.9	3.448	4.389	4.2	24.0
1 6	5 4.14	+33 51.0	3.499	4.382	6.3	24.1
1 16	4 56.92	+33 19.6	3.578	4.375	8.4	24.3
253393 2003 MZ_{5}			12 13.9 105°.28		0°.8/13.8 16	
11 7	6 1.87	+23 1.3	1.564	2.365	17.4	21.0
11 17	5 55.32	+22 35.0	1.504	2.388	13.4	20.8
11 27	5 45.72	+22 5.8	1.466	2.410	8.8	20.5
12 7	5 34.11	+21 33.8	1.454	2.432	3.7	20.3
12 17	5 21.86	+21 0.3	1.471	2.453	1.9	20.2
12 27	5 10.53	+20 27.8	1.517	2.473	6.7	20.6
1 6	5 1.38	+19 59.7	1.590	2.493	11.2	20.9
1 16	4 55.18	+19 38.5	1.686	2.512	14.9	21.2
232060 2001 UF_{118}			12 13.9 353°.78		3°.1/13.6 18	
11 7	5 50.45	+18 45.5	1.208	2.046	19.4	19.5
11 17	5 47.66	+18 11.2	1.137	2.041	15.1	19.3
11 27	5 41.39	+17 38.2	1.086	2.036	10.2	19.0
12 7	5 32.53	+17 8.7	1.056	2.033	5.0	18.7
12 17	5 22.49	+16 45.2	1.051	2.031	3.7	18.6
12 27	5 13.03	+16 30.4	1.072	2.030	8.6	18.9
1 6	5 5.75	+16 26.1	1.115	2.030	13.7	19.2
1 16	5 1.68	+16 32.8	1.178	2.031	18.2	19.4
514852 2008 EB_{153}			12 13.9 256°.06		2°.8/14.0 18	
11 7	5 58.54	+27 25.2	1.504	2.313	17.7	21.9
11 17	5 53.72	+28 8.7	1.422	2.309	13.9	21.7
11 27	5 45.36	+28 50.3	1.361	2.304	9.4	21.4
12 7	5 34.24	+29 25.2	1.325	2.300	4.7	21.1
12 17	5 21.72	+29 49.0	1.316	2.295	3.2	21.0
12 27	5 9.61	+30 0.4	1.334	2.291	7.5	21.3
1 6	4 59.60	+30 1.4	1.378	2.286	12.3	21.5
1 16	4 52.87	+29 56.2	1.445	2.281	16.4	21.8
251475 2008 DV_{32}			12 13.9 155°.14		2°.1/13.7 18	
11 7	5 52.88	+17 16.9	2.074	2.872	13.8	20.9
11 17	5 48.02	+17 8.9	1.992	2.874	10.8	20.7
11 27	5 40.90	+17 3.7	1.934	2.875	7.2	20.5
12 7	5 32.15	+17 2.0	1.902	2.877	3.5	20.2
12 17	5 22.69	+17 3.9	1.899	2.878	2.5	20.2
12 27	5 13.58	+17 10.0	1.926	2.879	5.9	20.4
1 6	5 5.82	+17 20.7	1.981	2.880	9.5	20.6
1 16	5 0.14	+17 36.1	2.060	2.881	12.8	20.8
186541 2002 WJ_{1}			12 13.9 133°.97		3°.5/14.3 18	
11 7	6 0.68	+30 45.3	1.704	2.498	16.5	20.4
11 17	5 54.82	+31 19.8	1.631	2.507	13.0	20.2
11 27	5 45.72	+31 47.9	1.579	2.515	9.0	20.0
12 7	5 34.25	+32 5.2	1.553	2.523	5.0	19.8
12 17	5 21.76	+32 8.4	1.555	2.531	3.7	19.7
12 27	5 9.90	+31 57.8	1.586	2.538	7.0	19.9
1 6	5 0.11	+31 37.0	1.644	2.545	11.0	20.2
1 16	4 53.36	+31 10.9	1.725	2.551	14.6	20.4
490067 2008 TF_{104}			12 13.9 25°.41		5°.8/14.6 17	
11 7	5 55.36	+37 44.8	2.018	2.798	14.8	20.9
11 17	5 50.57	+38 39.6	1.945	2.804	12.0	20.7
11 27	5 42.87	+39 24.6	1.894	2.810	9.1	20.5
12 7	5 33.06	+39 54.7	1.868	2.818	6.6	20.4
12 17	5 22.30	+40 6.2	1.870	2.825	5.9	20.4
12 27	5 12.02	+39 58.9	1.899	2.833	7.6	20.5
1 6	5 3.52	+39 35.8	1.955	2.841	10.4	20.7
1 16	4 57.70	+39 2.2	2.035	2.850	13.1	20.9
158528 2002 GP_{35}			12 13.9 325°.44		4°.4/13.2 17	
11 7	5 50.57	+12 43.5	2.010	2.809	14.2	20.3
11 17	5 46.29	+12 2.5	1.927	2.805	11.2	20.1
11 27	5 39.79	+11 26.1	1.867	2.801	8.0	19.9
12 7	5 31.70	+10 57.1	1.833	2.798	5.1	19.7
12 17	5 22.91	+10 37.7	1.828	2.795	4.6	19.6
12 27	5 14.45	+10 29.5	1.851	2.791	7.2	19.8
1 6	5 7.30	+10 33.1	1.900	2.788	10.5	20.0
1 16	5 2.17	+10 47.7	1.974	2.786	13.6	20.2

165560 2001 DJ_{51} 12 13.9 187°.78 5°.5/14.4 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
11 7	6 0.50	+37 9.8	2.168	2.935	14.3	20.1
11 17	5 54.45	+38 5.8	2.082	2.935	11.6	19.9
11 27	5 45.42	+38 53.3	2.020	2.934	8.7	19.8
12 7	5 34.16	+39 26.8	1.983	2.933	6.2	19.6
12 17	5 21.80	+39 42.2	1.975	2.931	5.6	19.6
12 27	5 9.80	+39 38.6	1.996	2.929	7.4	19.7
1 6	4 59.51	+39 18.8	2.045	2.926	10.2	19.8
1 16	4 51.93	+38 48.1	2.119	2.923	13.1	20.0

117598 2005 EA_{69} 12 13.9 346°.53 1°.9/13.6 17

11 7	5 49.68	+19 17.2	1.979	2.787	14.0	19.2
11 17	5 45.74	+18 54.2	1.894	2.782	10.9	19.0
11 27	5 39.50	+18 31.8	1.832	2.777	7.2	18.8
12 7	5 31.60	+18 10.8	1.797	2.773	3.4	18.5
12 17	5 22.95	+17 52.5	1.789	2.769	2.4	18.4
12 27	5 14.66	+17 38.2	1.811	2.766	6.0	18.7
1 6	5 7.72	+17 29.5	1.859	2.763	9.8	18.9
1 16	5 2.89	+17 27.1	1.932	2.761	13.2	19.1

211811 2004 DV_{42} 12 13.9 183°.23 5°.2/13.1 18

11 7	5 52.15	+10 35.5	1.965	2.758	14.7	20.5
11 17	5 47.50	+ 9 48.9	1.886	2.759	11.7	20.3
11 27	5 40.56	+ 9 8.7	1.830	2.759	8.5	20.1
12 7	5 32.02	+ 8 37.9	1.800	2.758	5.8	19.9
12 17	5 22.78	+ 8 19.3	1.798	2.758	5.5	19.9
12 27	5 13.91	+ 8 14.5	1.824	2.758	7.8	20.1
1 6	5 6.41	+ 8 23.4	1.876	2.758	11.0	20.3
1 16	5 1.00	+ 8 44.8	1.953	2.757	14.0	20.5

84417 Ritabo 12 13.9 40°.79 6°.9/15.5 18

11 7	5 59.09	+39 55.6	1.560	2.347	18.1	18.5
11 17	5 54.04	+40 26.8	1.499	2.361	14.8	18.3
11 27	5 45.33	+40 42.0	1.458	2.375	11.2	18.1
12 7	5 34.08	+40 35.4	1.440	2.390	8.0	17.9
12 17	5 21.92	+40 4.1	1.447	2.405	6.9	17.9
12 27	5 10.74	+39 10.5	1.481	2.421	8.8	18.1
1 6	5 2.10	+38 1.6	1.541	2.437	12.0	18.3
1 16	4 56.87	+36 46.1	1.623	2.453	15.2	18.5

191414 2003 SW_{109} 12 13.9 339°.74 5°.8/14.9 18

11 7	5 55.86	+39 18.3	2.146	2.917	14.3	19.6
11 17	5 50.89	+39 58.9	2.062	2.915	11.7	19.4
11 27	5 43.06	+40 28.7	2.000	2.912	9.0	19.2
12 7	5 33.15	+40 43.0	1.963	2.909	6.6	19.1
12 17	5 22.27	+40 38.4	1.954	2.907	5.9	19.0
12 27	5 11.83	+40 15.1	1.973	2.905	7.5	19.1
1 6	5 3.10	+39 36.5	2.019	2.903	10.2	19.3
1 16	4 56.99	+38 48.2	2.089	2.902	12.9	19.5

40072 1998 KZ_{59} 12 13.9 223°.97 8°.1/12.9 18

11 7	5 52.82	+ 2 22.0	1.977	2.748	15.4	19.2
11 17	5 48.03	+ 1 27.4	1.896	2.742	12.9	19.0
11 27	5 40.95	+ 0 45.0	1.836	2.736	10.3	18.9
12 7	5 32.21	+ 0 19.6	1.801	2.730	8.5	18.7
12 17	5 22.69	+ 0 14.6	1.792	2.723	8.3	18.7
12 27	5 13.48	+ 0 31.2	1.811	2.716	9.9	18.8
1 6	5 5.57	+ 1 8.1	1.855	2.709	12.5	18.9
1 16	4 59.74	+ 2 1.9	1.922	2.701	15.1	19.1

338922 2004 EJ_{13} 12 13.9 202°.53 3°.7/14.2 18

11 7	5 59.72	+30 42.1	1.695	2.491	16.5	21.0
11 17	5 54.31	+31 22.0	1.612	2.489	13.1	20.8
11 27	5 45.56	+31 56.3	1.550	2.486	9.1	20.5
12 7	5 34.28	+32 20.4	1.514	2.484	5.1	20.3
12 17	5 21.76	+32 30.4	1.506	2.481	3.9	20.2
12 27	5 9.69	+32 25.7	1.526	2.477	7.3	20.4
1 6	4 59.62	+32 9.3	1.572	2.474	11.4	20.7
1 16	4 52.61	+31 46.4	1.642	2.470	15.2	20.9

404611 2014 GL_{5} 12 13.9 39°.50 7°.0/13.3 18

11 7	5 53.25	+10 26.4	1.268	2.090	19.6	19.5
11 17	5 49.05	+ 9 21.1	1.223	2.111	15.6	19.3
11 27	5 41.80	+ 8 26.7	1.198	2.133	11.3	19.1
12 7	5 32.53	+ 7 48.5	1.195	2.155	7.8	19.0
12 17	5 22.63	+ 7 29.9	1.217	2.179	7.3	19.0
12 27	5 13.62	+ 7 32.3	1.264	2.203	10.1	19.3
1 6	5 6.74	+ 7 53.8	1.335	2.227	13.7	19.6
1 16	5 2.71	+ 8 30.6	1.426	2.252	17.1	19.8

374845 2006 UB_{301} 12 13.9 315°.00 4°.8/14.2 18

11 7	5 57.24	+31 25.9	1.309	2.127	19.3	20.6
11 17	5 53.42	+32 13.5	1.229	2.118	15.4	20.3
11 27	5 45.56	+32 55.1	1.168	2.108	10.9	20.0
12 7	5 34.46	+33 24.1	1.130	2.099	6.5	19.8
12 17	5 21.67	+33 34.9	1.116	2.091	5.1	19.7
12 27	5 9.34	+33 26.2	1.129	2.083	8.9	19.9
1 6	4 59.48	+33 2.3	1.165	2.075	13.7	20.1
1 16	4 53.42	+32 30.2	1.222	2.068	18.2	20.4

13307 1998 RE_{59} 12 13.9 144°.17 0°.7/13.8 18

	h m	° ′			°	m
11 7	5 52.06	+21 46.1	2.345	3.140	12.5	19.0
11 17	5 47.17	+21 35.4	2.262	3.143	9.7	18.8
11 27	5 40.23	+21 23.9	2.203	3.145	6.3	18.6
12 7	5 31.86	+21 11.5	2.171	3.148	2.7	18.4
12 17	5 22.88	+20 58.5	2.169	3.151	1.4	18.3
12 27	5 14.26	+20 46.0	2.197	3.153	5.0	18.5
1 6	5 6.86	+20 35.3	2.254	3.155	8.4	18.7
1 16	5 1.35	+20 27.7	2.337	3.158	11.4	18.9

133714 2003 US_{248} 12 13.9 92°.67 0°.4/14.0 17

11 7	5 52.58	+24 6.1	2.286	3.081	12.8	19.8
11 17	5 47.68	+24 16.7	2.206	3.087	9.9	19.6
11 27	5 40.62	+24 25.9	2.149	3.092	6.5	19.4
12 7	5 32.04	+24 32.7	2.120	3.098	2.8	19.2
12 17	5 22.80	+24 36.1	2.120	3.103	1.2	19.1
12 27	5 13.93	+24 36.4	2.151	3.108	5.0	19.3
1 6	5 6.34	+24 34.9	2.210	3.114	8.5	19.6
1 16	5 0.74	+24 33.2	2.295	3.119	11.5	19.8

199934 2007 GR_{45} 12 13.9 175°.38 1°.6/13.7 18

11 7	5 56.41	+19 7.8	2.130	2.920	13.8	22.1
11 17	5 50.69	+18 56.5	2.045	2.923	10.7	21.9
11 27	5 42.62	+18 46.1	1.984	2.925	7.1	21.6
12 7	5 32.90	+18 37.0	1.951	2.926	3.3	21.4
12 17	5 22.44	+18 29.4	1.947	2.927	2.1	21.3
12 27	5 12.36	+18 24.2	1.974	2.928	5.7	21.6
1 6	5 3.69	+18 22.5	2.030	2.927	9.5	21.8
1 16	4 57.16	+18 25.2	2.111	2.926	12.7	22.0

273689 2007 ER_{31} 12 13.9 237°.76 1°.0/13.9 18

11 7	5 56.29	+20 42.2	1.732	2.536	15.9	21.4
11 17	5 51.33	+20 41.4	1.642	2.528	12.4	21.1
11 27	5 43.45	+20 41.5	1.575	2.520	8.2	20.9
12 7	5 33.37	+20 42.0	1.533	2.511	3.6	20.6
12 17	5 22.20	+20 42.5	1.520	2.502	1.9	20.4
12 27	5 11.36	+20 43.3	1.536	2.493	6.6	20.7
1 6	5 2.19	+20 45.8	1.578	2.483	11.1	21.0
1 16	4 55.66	+20 51.5	1.644	2.474	15.1	21.2

410976 2009 TR_{44} 12 13.9 88°.83 0°.2/13.9 18

11 7	5 53.91	+20 55.3	2.190	2.984	13.3	20.6
11 17	5 48.76	+21 21.8	2.113	2.993	10.3	20.5
11 27	5 41.36	+21 50.1	2.059	3.002	6.7	20.3
12 7	5 32.37	+22 18.7	2.034	3.011	2.8	20.0
12 17	5 22.67	+22 45.9	2.038	3.020	1.2	19.9
12 27	5 13.34	+23 11.1	2.072	3.029	5.2	20.2
1 6	5 5.34	+23 34.3	2.135	3.038	8.8	20.5
1 16	4 59.39	+23 56.3	2.224	3.047	11.9	20.7

302675 2002 SK_{69} 12 13.9 148°.32 0°.9/14.0 18

11 7	5 56.66	+24 10.4	2.080	2.872	14.0	20.6
11 17	5 51.09	+24 40.5	1.999	2.878	10.8	20.4
11 27	5 43.00	+25 10.2	1.942	2.883	7.1	20.2
12 7	5 33.09	+25 37.1	1.912	2.889	3.1	19.9
12 17	5 22.35	+25 59.2	1.912	2.894	1.6	19.8
12 27	5 11.99	+26 15.8	1.942	2.898	5.5	20.1
1 6	5 3.10	+26 27.7	2.000	2.902	9.3	20.3
1 16	4 56.51	+26 36.7	2.084	2.906	12.6	20.6

193040 2000 EC_{160} 12 13.9 16°.13 8°.9/13.2 17

11 7	5 49.03	− 0 26.1	1.958	2.728	15.5	19.9
11 17	5 45.05	− 1 19.6	1.890	2.731	13.1	19.7
11 27	5 38.95	− 1 57.9	1.844	2.735	10.8	19.6
12 7	5 31.36	− 2 16.2	1.821	2.739	9.2	19.5
12 17	5 23.14	− 2 11.8	1.824	2.743	9.0	19.5
12 27	5 15.30	− 1 43.8	1.853	2.748	10.3	19.6
1 6	5 8.76	− 0 54.9	1.906	2.754	12.5	19.7
1 16	5 4.17	+ 0 10.9	1.982	2.760	14.8	19.9

24900 1997 AZ_{17} 12 13.9 315°.66 1°.2/14.0 18

11 7	5 55.02	+24 40.8	1.336	2.160	18.6	17.5
11 17	5 51.33	+25 1.1	1.253	2.150	14.6	17.2
11 27	5 43.98	+25 20.6	1.190	2.139	9.8	16.9
12 7	5 33.76	+25 36.4	1.151	2.129	4.3	16.5
12 17	5 22.03	+25 45.8	1.136	2.119	2.1	16.4
12 27	5 10.70	+25 48.5	1.149	2.109	7.7	16.7
1 6	5 1.53	+25 46.6	1.185	2.101	13.1	16.9
1 16	4 55.75	+25 43.6	1.243	2.092	17.7	17.2

511676 2015 BS_{427} 12 13.9 259°.38 4°.7/14.5 18

11 7	6 0.08	+32 50.6	1.388	2.195	19.0	22.3
11 17	5 55.31	+33 20.5	1.309	2.191	15.2	22.0
11 27	5 46.58	+33 40.9	1.251	2.188	10.7	21.8
12 7	5 34.81	+33 46.2	1.216	2.184	6.3	21.5
12 17	5 21.60	+33 32.1	1.206	2.180	4.9	21.4
12 27	5 9.03	+32 59.4	1.223	2.177	8.5	21.6
1 6	4 58.97	+32 13.9	1.265	2.173	13.1	21.9
1 16	4 52.61	+31 23.4	1.329	2.169	17.3	22.1

78726 2002 TC_{231} 12 13.9 129°.03 2°.5/13.8 17

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
11 7	5 50.99	+14 23.2	2.497	3.285	12.1	20.1
11 17	5 46.18	+14 21.4	2.415	3.289	9.4	19.9
11 27	5 39.52	+14 24.2	2.358	3.294	6.4	19.7
12 7	5 31.57	+14 32.0	2.328	3.298	3.5	19.6
12 17	5 23.06	+14 45.0	2.328	3.302	2.8	19.5
12 27	5 14.83	+15 3.4	2.358	3.307	5.3	19.7
1 6	5 7.68	+15 26.5	2.417	3.311	8.3	19.9
1 16	5 2.21	+15 54.1	2.502	3.314	11.1	20.1

448014 2008 DQ_{53} 12 13.9 325°.31 6°.0/12.9 17

11 7	5 49.04	+11 54.4	1.523	2.342	17.0	20.9
11 17	5 46.02	+10 59.1	1.432	2.320	13.7	20.6
11 27	5 40.13	+10 8.9	1.362	2.300	10.0	20.3
12 7	5 32.05	+ 9 28.5	1.316	2.280	6.8	20.1
12 17	5 22.81	+ 9 2.1	1.295	2.260	6.4	20.0
12 27	5 13.80	+ 8 52.9	1.300	2.242	9.5	20.1
1 6	5 6.38	+ 9 1.7	1.329	2.224	13.6	20.3
1 16	5 1.54	+ 9 27.2	1.379	2.208	17.5	20.5

153553 2001 SM_{134} 12 13.9 146°.34 0°.5/13.9 18

11 7	5 56.40	+22 47.7	1.624	2.433	16.6	20.7
11 17	5 51.44	+22 36.7	1.547	2.435	12.9	20.4
11 27	5 43.49	+22 23.9	1.491	2.437	8.5	20.2
12 7	5 33.36	+22 8.8	1.460	2.438	3.6	19.9
12 17	5 22.29	+21 51.6	1.457	2.440	1.7	19.8
12 27	5 11.75	+21 33.8	1.483	2.441	6.6	20.1
1 6	5 3.09	+21 17.9	1.535	2.443	11.2	20.4
1 16	4 57.21	+21 6.3	1.610	2.444	15.1	20.6

387414 2013 TB_{123} 12 13.9 265°.63 7°.5/12.2 17

11 7	5 48.95	+ 1 27.6	2.419	3.182	13.1	21.1
11 17	5 44.64	+ 0 21.3	2.341	3.179	11.0	20.9
11 27	5 38.53	− 0 34.8	2.285	3.176	9.0	20.8
12 7	5 31.17	− 1 16.5	2.255	3.173	7.7	20.7
12 17	5 23.26	− 1 40.5	2.253	3.170	7.6	20.7
12 27	5 15.62	− 1 45.2	2.278	3.167	8.9	20.8
1 6	5 9.01	− 1 31.2	2.328	3.164	10.9	20.9
1 16	5 4.03	− 1 0.8	2.401	3.161	13.0	21.1

207323 2005 GQ_{119} 12 13.9 228°.12 4°.7/14.8 18

11 7	5 59.24	+37 17.0	2.287	3.053	13.7	20.7
11 17	5 53.31	+37 42.3	2.189	3.042	11.1	20.5
11 27	5 44.60	+37 57.8	2.114	3.031	8.2	20.3
12 7	5 33.83	+37 59.2	2.065	3.020	5.6	20.1
12 17	5 22.08	+37 43.9	2.046	3.008	4.8	20.1
12 27	5 10.69	+37 12.1	2.056	2.995	6.7	20.2
1 6	5 0.90	+36 27.4	2.094	2.982	9.7	20.3
1 16	4 53.62	+35 35.0	2.157	2.968	12.6	20.5

256241 2006 WN_{13} 12 13.9 128°.25 1°.3/13.8 18

11 7	5 53.73	+19 18.6	2.111	2.908	13.7	21.2
11 17	5 48.65	+19 16.8	2.033	2.914	10.6	21.0
11 27	5 41.31	+19 16.7	1.977	2.920	7.0	20.8
12 7	5 32.37	+19 18.0	1.949	2.926	3.1	20.6
12 17	5 22.75	+19 20.6	1.950	2.931	1.9	20.5
12 27	5 13.52	+19 25.1	1.981	2.937	5.5	20.8
1 6	5 5.66	+19 32.0	2.041	2.942	9.2	21.0
1 16	4 59.89	+19 41.9	2.125	2.947	12.4	21.2

361751 2007 XO_{59} 12 13.9 255°.36 3°.2/13.8 17

11 7	5 53.99	+12 59.7	2.158	2.946	13.7	21.5
11 17	5 48.99	+13 2.8	2.058	2.931	10.8	21.3
11 27	5 41.68	+13 12.8	1.980	2.915	7.5	21.1
12 7	5 32.61	+13 30.3	1.930	2.899	4.3	20.8
12 17	5 22.62	+13 55.6	1.909	2.883	3.5	20.7
12 27	5 12.77	+14 28.2	1.918	2.866	6.4	20.9
1 6	5 4.10	+15 7.2	1.955	2.849	10.0	21.1
1 16	4 57.43	+15 51.4	2.018	2.832	13.3	21.3

238560 2004 XO_{44} 12 13.9 17°.17 0°.4/14.0 18

11 7	5 48.74	+23 59.5	2.212	3.016	12.9	19.5
11 17	5 44.80	+24 11.0	2.140	3.026	9.9	19.3
11 27	5 38.78	+24 21.2	2.091	3.036	6.5	19.1
12 7	5 31.31	+24 29.3	2.069	3.047	2.7	18.9
12 17	5 23.25	+24 34.5	2.075	3.058	1.2	18.8
12 27	5 15.57	+24 37.2	2.112	3.070	4.9	19.1
1 6	5 9.16	+24 38.3	2.175	3.083	8.4	19.3
1 16	5 4.67	+24 39.1	2.264	3.096	11.4	19.5

395018 2009 CD_{3} 12 13.9 15°.88 1°.1/13.8 18

11 7	5 53.79	+18 13.2	1.022	1.867	21.6	18.7
11 17	5 50.86	+19 57.8	0.969	1.876	16.8	18.4
11 27	5 43.86	+21 55.7	0.935	1.888	11.0	18.1
12 7	5 33.74	+23 59.0	0.923	1.902	4.6	17.8
12 17	5 22.17	+25 57.6	0.935	1.918	2.4	17.7
12 27	5 11.34	+27 42.7	0.973	1.936	8.5	18.2
1 6	5 3.19	+29 10.5	1.035	1.955	14.0	18.5
1 16	4 58.89	+30 21.8	1.116	1.976	18.5	18.9

454295 2014 JT_{24} 12 13.9 147°.38 7°.1/15.3 17

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
11 7	6 6.63	+ 3 17.5	1.175	1.963	22.8	20.5
11 17	6 0.36	+ 4 6.7	1.103	1.968	18.7	20.2
11 27	5 49.95	+ 5 24.9	1.049	1.973	13.8	20.0
12 7	5 36.31	+ 7 13.7	1.017	1.977	9.0	19.7
12 17	5 21.02	+ 9 28.7	1.013	1.981	7.2	19.6
12 27	5 6.25	+12 0.1	1.037	1.984	10.5	19.8
1 6	4 54.00	+14 36.5	1.087	1.987	15.4	20.1
1 16	4 45.60	+17 8.5	1.160	1.990	20.0	20.4

223325 2003 QZ_{47} 12 13.9 22°.17 0°.2/14.0 18

11 7	5 52.30	+25 59.6	1.816	2.625	15.1	19.4
11 17	5 47.92	+25 31.3	1.743	2.631	11.7	19.2
11 27	5 40.97	+24 57.5	1.692	2.637	7.6	19.0
12 7	5 32.25	+24 18.5	1.667	2.645	3.2	18.7
12 17	5 22.86	+23 35.4	1.670	2.652	1.4	18.6
12 27	5 14.04	+22 51.0	1.702	2.661	5.8	18.9
1 6	5 6.89	+22 8.9	1.761	2.670	9.9	19.2
1 16	5 2.14	+21 32.1	1.844	2.679	13.4	19.4

441100 2007 RF_{325} 12 13.9 49°.48 0°.5/14.0 18

11 7	5 55.08	+23 41.5	1.623	2.434	16.5	21.7
11 17	5 50.40	+23 54.0	1.554	2.443	12.7	21.4
11 27	5 42.78	+24 5.6	1.506	2.453	8.4	21.2
12 7	5 33.07	+24 14.3	1.484	2.462	3.5	21.0
12 17	5 22.49	+24 19.0	1.490	2.473	1.6	20.8
12 27	5 12.49	+24 20.0	1.524	2.483	6.4	21.2
1 6	5 4.36	+24 19.0	1.584	2.493	10.8	21.5
1 16	4 58.97	+24 18.3	1.667	2.504	14.5	21.7

328127 2008 BV 12 13.9 152°.28 3°.6/14.3 18

11 7	6 2.42	+30 46.1	1.738	2.527	16.5	21.5
11 17	5 56.20	+31 25.8	1.662	2.535	13.0	21.3
11 27	5 46.69	+31 59.5	1.608	2.542	9.0	21.1
12 7	5 34.75	+32 22.4	1.580	2.549	5.0	20.8
12 17	5 21.74	+32 30.9	1.580	2.555	3.8	20.8
12 27	5 9.31	+32 24.8	1.610	2.561	7.1	21.0
1 6	4 58.95	+32 7.5	1.666	2.565	11.1	21.2
1 16	4 51.65	+31 44.0	1.747	2.569	14.6	21.5

190259 2007 JX_{6} 12 13.9 249°.39 1°.4/13.7 17

11 7	5 51.65	+20 0.1	2.271	3.068	12.8	20.6
11 17	5 46.98	+19 41.0	2.183	3.064	9.9	20.4
11 27	5 40.21	+19 21.8	2.118	3.060	6.6	20.2
12 7	5 31.94	+19 3.0	2.080	3.056	3.0	19.9
12 17	5 23.00	+18 45.5	2.071	3.052	1.9	19.8
12 27	5 14.37	+18 30.5	2.093	3.048	5.4	20.1
1 6	5 6.97	+18 19.4	2.143	3.043	8.9	20.3
1 16	5 1.47	+18 13.2	2.219	3.039	12.0	20.5

2714 Matti 12 13.9 152°.73 2°.8/13.7 18

11 7	5 58.79	+15 53.6	1.851	2.642	15.5	17.2
11 17	5 52.76	+15 42.0	1.775	2.652	12.1	17.0
11 27	5 44.11	+15 34.7	1.723	2.661	8.2	16.8
12 7	5 33.60	+15 32.2	1.696	2.669	4.2	16.6
12 17	5 22.31	+15 35.0	1.699	2.676	3.2	16.5
12 27	5 11.51	+15 43.5	1.732	2.683	6.7	16.7
1 6	5 2.36	+15 58.0	1.793	2.688	10.6	17.0
1 16	4 55.66	+16 18.3	1.878	2.693	14.1	17.2

159829 2003 TV_{57} 12 13.9 178°.81 4°.7/13.2 18

11 7	5 50.19	+ 8 45.8	2.472	3.252	12.4	20.1
11 17	5 45.57	+ 8 11.4	2.390	3.253	9.9	19.9
11 27	5 39.15	+ 7 43.7	2.332	3.253	7.4	19.7
12 7	5 31.46	+ 7 25.2	2.300	3.253	5.2	19.6
12 17	5 23.23	+ 7 17.4	2.298	3.253	4.9	19.6
12 27	5 15.28	+ 7 21.3	2.325	3.253	6.7	19.7
1 6	5 8.37	+ 7 36.6	2.379	3.253	9.3	19.9
1 16	5 3.11	+ 8 2.2	2.459	3.252	11.8	20.0

247511 2002 PZ_{123} 12 13.9 51°.98 7°.2/15.3 18

11 7	6 1.62	+39 37.7	1.534	2.319	18.4	19.6
11 17	5 56.01	+40 28.8	1.483	2.343	15.0	19.4
11 27	5 46.65	+41 4.4	1.452	2.367	11.4	19.3
12 7	5 34.70	+41 17.9	1.444	2.392	8.3	19.2
12 17	5 21.88	+41 5.7	1.461	2.416	7.3	19.2
12 27	5 10.14	+40 29.4	1.506	2.441	9.1	19.3
1 6	5 1.05	+39 35.9	1.575	2.466	12.1	19.6
1 16	4 55.49	+38 33.8	1.668	2.491	15.2	19.8

152027 2004 ND_{8} 12 13.9 173°.52 1°.4/13.8 18

11 7	5 57.11	+19 42.3	2.085	2.875	14.0	21.0
11 17	5 51.31	+19 33.9	2.001	2.879	10.9	20.8
11 27	5 43.10	+19 26.1	1.940	2.882	7.2	20.6
12 7	5 33.17	+19 19.1	1.907	2.884	3.2	20.3
12 17	5 22.49	+19 13.0	1.904	2.885	1.9	20.2
12 27	5 12.20	+19 8.5	1.931	2.886	5.8	20.5
1 6	5 3.36	+19 6.9	1.987	2.886	9.6	20.7
1 16	4 56.73	+19 9.1	2.068	2.885	12.9	20.9

460612 2014 UX_{67} 12 13.9 30°.35 3°.7/13.2 17

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
11 7	5 50.16	+14 27.1	2.155	2.953	13.4	21.4
11 17	5 45.79	+13 41.4	2.078	2.957	10.5	21.2
11 27	5 39.39	+12 58.8	2.025	2.961	7.3	21.0
12 7	5 31.59	+12 21.6	1.998	2.965	4.4	20.9
12 17	5 23.20	+11 52.1	2.000	2.970	4.0	20.8
12 27	5 15.21	+11 32.2	2.031	2.974	6.5	21.0
1 6	5 8.46	+11 22.7	2.090	2.979	9.7	21.2
1 16	5 3.60	+11 23.5	2.173	2.984	12.5	21.4

43839 1993 FC_{60} 12 13.9 104°.62 5°.7/13.2 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 55.35	+ 7 52.2	2.117	2.893	14.3	20.2
11 17	5 49.53	+ 7 2.2	2.059	2.917	11.5	20.1
11 27	5 41.67	+ 6 20.7	2.024	2.941	8.5	20.0
12 7	5 32.48	+ 5 50.9	2.016	2.965	6.2	19.9
12 17	5 22.85	+ 5 35.0	2.037	2.987	5.9	19.9
12 27	5 13.77	+ 5 33.9	2.086	3.009	7.8	20.0
1 6	5 6.09	+ 5 46.8	2.163	3.031	10.4	20.2
1 16	5 0.39	+ 6 11.9	2.265	3.051	12.9	20.5

317889 2003 UZ_{159} 12 13.9 153°.44 0°.4/14.0 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	6 0.39	+24 17.7	1.778	2.573	15.9	22.0
11 17	5 54.27	+24 19.1	1.702	2.582	12.3	21.8
11 27	5 45.23	+24 18.0	1.648	2.590	8.1	21.5
12 7	5 34.11	+24 12.9	1.620	2.597	3.4	21.3
12 17	5 22.12	+24 3.0	1.621	2.604	1.5	21.1
12 27	5 10.71	+23 49.3	1.652	2.610	6.2	21.5
1 6	5 1.15	+23 34.3	1.711	2.615	10.5	21.7
1 16	4 54.32	+23 20.9	1.794	2.619	14.2	22.0

124930 2001 TY_{71} 12 13.9 278°.41 3°.2/13.4 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 54.38	+17 51.5	1.612	2.423	16.6	19.8
11 17	5 49.98	+17 8.7	1.524	2.412	13.0	19.6
11 27	5 42.64	+16 26.2	1.457	2.401	8.8	19.3
12 7	5 33.11	+15 46.1	1.416	2.390	4.6	19.0
12 17	5 22.52	+15 11.2	1.402	2.379	3.7	19.0
12 27	5 12.30	+14 44.2	1.416	2.368	7.7	19.2
1 6	5 3.80	+14 27.7	1.456	2.357	12.2	19.4
1 16	4 57.96	+14 22.4	1.518	2.346	16.2	19.6

41255 1999 XV_{43} 12 13.9 105°.34 1°.5/14.2 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 58.27	+27 4.2	1.943	2.735	14.8	19.2
11 17	5 52.36	+27 18.5	1.875	2.753	11.5	19.0
11 27	5 43.82	+27 28.7	1.830	2.770	7.6	18.8
12 7	5 33.46	+27 32.6	1.812	2.787	3.5	18.6
12 17	5 22.43	+27 29.1	1.823	2.804	2.0	18.5
12 27	5 12.00	+27 18.8	1.864	2.820	5.7	18.8
1 6	5 3.30	+27 4.1	1.933	2.836	9.5	19.0
1 16	4 57.09	+26 48.3	2.027	2.852	12.8	19.3

509446 2007 GC_{54} 12 13.9 222°.83 1°.6/13.8 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 56.43	+18 54.1	1.962	2.757	14.6	22.3
11 17	5 51.11	+18 51.1	1.868	2.748	11.4	22.1
11 27	5 43.18	+18 50.1	1.797	2.739	7.6	21.8
12 7	5 33.30	+18 51.0	1.753	2.730	3.5	21.5
12 17	5 22.46	+18 53.7	1.739	2.719	2.1	21.4
12 27	5 11.88	+18 58.5	1.754	2.709	6.2	21.7
1 6	5 2.74	+19 6.3	1.797	2.697	10.3	21.9
1 16	4 55.93	+19 17.9	1.864	2.685	13.9	22.1

254500 2005 EF_{58} 12 13.9 1°.22 0°.9/13.9 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 54.25	+23 11.2	1.159	1.995	20.2	19.9
11 17	5 50.86	+22 47.3	1.091	1.994	15.7	19.6
11 27	5 43.66	+22 19.9	1.041	1.993	10.4	19.3
12 7	5 33.63	+21 49.3	1.014	1.993	4.4	19.0
12 17	5 22.34	+21 16.8	1.011	1.993	2.2	18.9
12 27	5 11.78	+20 45.7	1.033	1.995	8.2	19.2
1 6	5 3.69	+20 19.8	1.079	1.997	13.8	19.6
1 16	4 59.12	+20 2.4	1.145	2.000	18.5	19.8

287273 2002 TO_{161} 12 13.9 69°.50 1°.1/13.9 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	6 0.43	+23 18.7	1.744	2.540	16.1	20.6
11 17	5 54.13	+24 8.6	1.690	2.571	12.4	20.4
11 27	5 45.01	+24 58.6	1.659	2.602	8.1	20.2
12 7	5 33.97	+25 44.9	1.655	2.632	3.5	20.0
12 17	5 22.23	+26 24.4	1.680	2.662	1.8	20.0
12 27	5 11.22	+26 55.8	1.736	2.692	6.0	20.3
1 6	5 2.14	+27 20.0	1.819	2.722	10.0	20.6
1 16	4 55.78	+27 39.0	1.926	2.751	13.4	20.9

71812 2000 TT_{67} 12 13.9 233°.91 0°.8/14.1 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 58.82	+25 11.4	1.598	2.403	17.0	19.7
11 17	5 53.68	+25 14.4	1.509	2.394	13.3	19.5
11 27	5 45.24	+25 14.2	1.441	2.385	8.8	19.2
12 7	5 34.27	+25 8.8	1.398	2.376	3.8	18.9
12 17	5 22.03	+24 57.0	1.383	2.366	1.8	18.7
12 27	5 10.19	+24 39.7	1.397	2.355	6.9	19.0
1 6	5 0.29	+24 19.9	1.437	2.344	11.8	19.3
1 16	4 53.40	+24 1.3	1.500	2.333	16.1	19.5

159315 2006 BU_{166} 12 13.9 14°.67 0°.5/14.0 17

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
11 7	5 52.17	+24 29.4	1.888	2.695	14.7	20.1
11 17	5 47.86	+24 33.7	1.810	2.697	11.3	19.8
11 27	5 41.02	+24 36.0	1.755	2.700	7.5	19.6
12 7	5 32.36	+24 35.0	1.725	2.703	3.2	19.4
12 17	5 22.90	+24 30.2	1.724	2.706	1.4	19.2
12 27	5 13.88	+24 22.3	1.751	2.710	5.7	19.5
1 6	5 6.40	+24 13.1	1.806	2.715	9.7	19.8
1 16	5 1.27	+24 4.8	1.885	2.719	13.2	20.0

131319 2001 GB_{5} 12 13.9 142°.60 5°.7/13.6 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 54.01	+ 6 10.1	2.220	2.992	13.9	20.2
11 17	5 48.61	+ 5 45.0	2.147	3.001	11.2	20.0
11 27	5 41.18	+ 5 29.9	2.096	3.011	8.5	19.9
12 7	5 32.34	+ 5 27.1	2.072	3.019	6.2	19.8
12 17	5 22.92	+ 5 38.2	2.077	3.027	5.8	19.8
12 27	5 13.88	+ 6 3.2	2.111	3.035	7.6	19.9
1 6	5 6.08	+ 6 40.6	2.172	3.042	10.2	20.1
1 16	5 0.17	+ 7 28.2	2.258	3.049	12.8	20.2

119114 2001 OY_{77} 12 13.9 128°.48 0°.3/14.0 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 59.98	+22 56.3	1.924	2.714	15.0	20.6
11 17	5 53.66	+23 14.1	1.853	2.731	11.6	20.4
11 27	5 44.69	+23 31.4	1.805	2.747	7.6	20.2
12 7	5 33.86	+23 46.3	1.785	2.762	3.2	20.0
12 17	5 22.27	+23 57.4	1.794	2.777	1.4	19.9
12 27	5 11.25	+24 4.6	1.834	2.791	5.8	20.2
1 6	5 1.93	+24 9.3	1.902	2.804	9.7	20.5
1 16	4 55.12	+24 13.4	1.995	2.816	13.1	20.7

179079 2001 SH_{146} 12 13.9 131°.65 2°.3/13.6 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 53.20	+18 9.9	2.009	2.809	14.2	20.6
11 17	5 48.36	+17 43.8	1.929	2.812	11.0	20.4
11 27	5 41.19	+17 19.0	1.873	2.815	7.4	20.1
12 7	5 32.39	+16 56.5	1.843	2.817	3.6	19.9
12 17	5 22.90	+16 37.5	1.842	2.820	2.7	19.9
12 27	5 13.82	+16 23.7	1.870	2.822	6.1	20.1
1 6	5 6.15	+16 16.2	1.926	2.825	9.8	20.3
1 16	5 0.63	+16 15.7	2.006	2.827	13.1	20.5

225479 2000 GX_{89} 12 13.9 301°.74 1°.1/14.0 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 55.36	+23 35.4	1.431	2.250	17.9	20.1
11 17	5 51.56	+24 6.5	1.338	2.231	14.1	19.8
11 27	5 44.21	+24 39.4	1.265	2.213	9.4	19.5
12 7	5 33.98	+25 11.2	1.217	2.195	4.1	19.1
12 17	5 22.11	+25 38.5	1.195	2.177	2.0	18.9
12 27	5 10.40	+25 59.6	1.199	2.160	7.6	19.2
1 6	5 0.62	+26 15.1	1.229	2.142	12.9	19.5
1 16	4 54.09	+26 27.6	1.280	2.125	17.6	19.7

261778 2006 BH_{113} 12 13.9 32°.99 3°.6/14.7 17

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 54.79	+33 24.8	2.029	2.818	14.4	20.3
11 17	5 49.90	+33 40.8	1.950	2.822	11.4	20.1
11 27	5 42.35	+33 48.3	1.894	2.826	8.1	19.9
12 7	5 32.92	+33 44.3	1.864	2.830	4.8	19.7
12 17	5 22.69	+33 27.2	1.862	2.834	3.7	19.7
12 27	5 12.97	+32 58.1	1.888	2.839	6.2	19.8
1 6	5 4.92	+32 20.5	1.942	2.844	9.6	20.0
1 16	4 59.32	+31 39.0	2.021	2.849	12.7	20.3

64205 2001 TL_{96} 12 13.9 278°.61 2°.4/13.5 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 55.21	+19 52.6	1.671	2.480	16.2	19.4
11 17	5 50.73	+19 14.3	1.571	2.459	12.7	19.1
11 27	5 43.25	+18 34.1	1.493	2.437	8.6	18.8
12 7	5 33.45	+17 53.3	1.440	2.416	4.1	18.5
12 17	5 22.43	+17 13.9	1.414	2.394	3.0	18.4
12 27	5 11.63	+16 39.1	1.417	2.372	7.4	18.6
1 6	5 2.47	+16 12.0	1.446	2.349	12.1	18.8
1 16	4 55.98	+15 54.9	1.499	2.327	16.3	19.0

175632 2007 TG_{85} 12 13.9 60°.37 0°.5/14.0 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 56.81	+23 37.3	1.585	2.394	16.9	19.9
11 17	5 51.67	+23 51.7	1.526	2.414	13.0	19.7
11 27	5 43.56	+24 4.9	1.488	2.434	8.5	19.5
12 7	5 33.42	+24 15.1	1.476	2.454	3.6	19.2
12 17	5 22.53	+24 21.0	1.492	2.474	1.6	19.1
12 27	5 12.37	+24 23.0	1.536	2.495	6.3	19.5
1 6	5 4.20	+24 22.8	1.606	2.515	10.7	19.8
1 16	4 58.82	+24 22.7	1.700	2.536	14.4	20.1

200020 Cadi Ayyad 12 13.9 128°.66 6°.2/13.4 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 49.89	+ 1 58.6	2.624	3.382	12.3	20.4
11 17	5 45.20	+ 1 27.4	2.550	3.389	10.2	20.2
11 27	5 38.85	+ 1 7.0	2.500	3.396	8.1	20.1
12 7	5 31.37	+ 1 0.0	2.475	3.402	6.6	20.0
12 17	5 23.42	+ 1 7.9	2.479	3.408	6.4	20.0
12 27	5 15.75	+ 1 31.2	2.511	3.415	7.6	20.1
1 6	5 9.07	+ 2 8.3	2.570	3.421	9.6	20.2
1 16	5 3.92	+ 2 57.0	2.654	3.426	11.6	20.4

385636 2005 QS_{75} 12 13.9 39°.42 0°.4/13.9 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
11 7	6 0.09	+20 58.2	1.006	1.843	22.5	19.3
11 17	5 55.15	+21 45.7	0.973	1.876	17.2	19.1
11 27	5 46.17	+22 36.1	0.959	1.911	11.1	18.9
12 7	5 34.53	+23 24.7	0.967	1.946	4.6	18.7
12 17	5 22.15	+24 7.1	1.000	1.982	2.0	18.6
12 27	5 11.16	+24 41.7	1.057	2.019	8.0	19.1
1 6	5 3.15	+25 9.6	1.139	2.057	13.2	19.5
1 16	4 58.92	+25 33.2	1.241	2.094	17.4	19.9

260705 2005 JA_{133} 12 13.9 161°.50 3°.8/13.3 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 53.34	+13 45.5	2.131	2.922	13.7	21.8
11 17	5 48.29	+13 6.4	2.051	2.925	10.8	21.6
11 27	5 41.07	+12 31.2	1.994	2.928	7.6	21.4
12 7	5 32.35	+12 2.0	1.965	2.931	4.6	21.2
12 17	5 23.00	+11 40.6	1.965	2.934	4.1	21.2
12 27	5 14.02	+11 28.8	1.994	2.936	6.7	21.3
1 6	5 6.36	+11 27.1	2.051	2.938	9.9	21.5
1 16	5 0.68	+11 35.3	2.132	2.939	12.9	21.7

327155 2005 GJ_{100} 12 13.9 131°.18 2°.6/14.4 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	6 2.36	+29 41.5	1.754	2.544	16.3	21.5
11 17	5 55.90	+29 58.0	1.684	2.558	12.8	21.3
11 27	5 46.35	+30 7.9	1.635	2.572	8.6	21.1
12 7	5 34.62	+30 7.9	1.613	2.586	4.4	20.9
12 17	5 22.04	+29 56.0	1.620	2.598	2.9	20.8
12 27	5 10.17	+29 33.4	1.656	2.610	6.5	21.1
1 6	5 0.37	+29 4.0	1.719	2.622	10.6	21.3
1 16	4 53.50	+28 32.6	1.807	2.632	14.1	21.6

4479 Charlieparker 12 13.9 237°.03 2°.6/13.6 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 52.84	+16 12.9	2.153	2.948	13.5	17.7
11 17	5 48.05	+15 55.7	2.062	2.941	10.6	17.5
11 27	5 41.03	+15 41.5	1.994	2.933	7.2	17.3
12 7	5 32.38	+15 31.3	1.953	2.925	3.8	17.0
12 17	5 22.96	+15 25.9	1.941	2.917	3.0	17.0
12 27	5 13.81	+15 26.3	1.959	2.909	6.1	17.2
1 6	5 5.91	+15 32.9	2.005	2.901	9.6	17.4
1 16	5 0.00	+15 45.8	2.075	2.892	12.8	17.5

272507 2005 UW_{180} 12 13.9 144°.92 1°.2/13.9 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 57.34	+19 59.8	1.804	2.603	15.5	21.5
11 17	5 51.84	+19 57.9	1.727	2.610	12.0	21.3
11 27	5 43.64	+19 57.4	1.674	2.617	7.9	21.1
12 7	5 33.49	+19 57.8	1.646	2.623	3.5	20.8
12 17	5 22.51	+19 58.7	1.647	2.629	1.9	20.7
12 27	5 12.02	+20 0.9	1.678	2.634	6.2	21.0
1 6	5 3.21	+20 5.2	1.736	2.639	10.4	21.3
1 16	4 56.92	+20 12.7	1.819	2.644	14.0	21.5

10776 Musashitomiyo 12 13.9 328°.69 2°.2/13.9 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 52.74	+17 56.1	1.376	2.201	18.2	17.6
11 17	5 49.30	+17 57.7	1.294	2.190	14.2	17.4
11 27	5 42.54	+18 4.4	1.232	2.180	9.6	17.1
12 7	5 33.22	+18 16.3	1.193	2.170	4.5	16.8
12 17	5 22.57	+18 33.1	1.180	2.161	2.8	16.6
12 27	5 12.27	+18 54.5	1.193	2.152	7.8	16.9
1 6	5 3.88	+19 20.3	1.231	2.144	12.9	17.2
1 16	4 58.54	+19 50.4	1.290	2.137	17.3	17.4

184793 2005 TJ_{64} 12 13.9 51°.28 0°.7/13.9 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 53.14	+21 50.3	1.913	2.717	14.6	21.1
11 17	5 48.48	+21 42.0	1.838	2.724	11.3	20.9
11 27	5 41.37	+21 33.0	1.785	2.730	7.4	20.7
12 7	5 32.52	+21 23.3	1.759	2.736	3.1	20.4
12 17	5 22.95	+21 12.9	1.761	2.743	1.5	20.3
12 27	5 13.85	+21 2.9	1.792	2.750	5.8	20.6
1 6	5 6.27	+20 54.9	1.851	2.757	9.7	20.9
1 16	5 0.98	+20 50.4	1.934	2.764	13.1	21.1

47989 2000 YD_{35} 12 13.9 221°.68 1°.7/13.8 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 57.05	+19 19.8	1.631	2.437	16.6	19.4
11 17	5 52.06	+19 11.8	1.546	2.432	13.0	19.1
11 27	5 44.05	+19 5.6	1.483	2.427	8.7	18.9
12 7	5 33.76	+19 1.2	1.445	2.422	3.9	18.6
12 17	5 22.39	+18 58.8	1.435	2.416	2.4	18.5
12 27	5 11.40	+18 59.0	1.454	2.410	7.0	18.7
1 6	5 2.19	+19 3.2	1.498	2.404	11.6	19.0
1 16	4 55.74	+19 12.3	1.567	2.397	15.6	19.2

332980 2011 FJ_{29} 12 13.9 337°.57 6°.7/13.2 17

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 49.17	+ 2 55.1	2.376	3.144	13.1	20.4
11 17	5 44.89	+ 2 14.0	2.297	3.143	10.9	20.3
11 27	5 38.79	+ 1 43.6	2.241	3.142	8.7	20.1
12 7	5 31.40	+ 1 27.1	2.210	3.141	7.0	20.0
12 17	5 23.45	+ 1 26.8	2.207	3.140	6.8	20.0
12 27	5 15.77	+ 1 43.4	2.232	3.140	8.2	20.1
1 6	5 9.14	+ 2 15.8	2.284	3.139	10.4	20.2
1 16	5 4.16	+ 3 1.5	2.359	3.138	12.7	20.4

212234 2005 JP_{31} 12 13.9 111°.90 4°.8/14.4 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
11 7	6 0.97	+35 35.4	2.207	2.976	14.0	20.3
11 17	5 54.55	+36 32.8	2.138	2.994	11.3	20.1
11 27	5 45.37	+37 22.1	2.093	3.011	8.2	20.0
12 7	5 34.22	+37 58.3	2.074	3.028	5.6	19.8
12 17	5 22.23	+38 18.0	2.085	3.045	4.9	19.8
12 27	5 10.76	+38 20.6	2.125	3.061	6.8	20.0
1 6	5 1.00	+38 9.0	2.194	3.077	9.5	20.2
1 16	4 53.80	+37 47.7	2.287	3.092	12.2	20.4

459338 2012 HZ_{40} 12 13.9 240°.80 3°.7/14.6 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 55.47	+34 24.7	2.444	3.218	12.7	21.2
11 17	5 50.19	+34 50.5	2.348	3.209	10.1	21.0
11 27	5 42.50	+35 9.1	2.275	3.200	7.3	20.8
12 7	5 33.04	+35 17.2	2.230	3.191	4.6	20.7
12 17	5 22.73	+35 12.7	2.213	3.182	3.8	20.6
12 27	5 12.70	+34 55.7	2.227	3.172	5.9	20.7
1 6	5 4.01	+34 28.6	2.269	3.162	8.8	20.9
1 16	4 57.49	+33 55.2	2.336	3.152	11.6	21.0

110265 2001 SM_{248} 12 13.9 184°.66 4°.3/14.3 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 57.61	+33 42.6	2.125	2.906	14.1	20.0
11 17	5 52.18	+34 30.5	2.041	2.906	11.3	19.8
11 27	5 43.98	+35 12.0	1.979	2.906	8.1	19.6
12 7	5 33.71	+35 42.5	1.944	2.905	5.2	19.4
12 17	5 22.44	+35 58.7	1.938	2.905	4.4	19.3
12 27	5 11.52	+35 59.7	1.961	2.904	6.7	19.5
1 6	5 2.20	+35 47.9	2.011	2.903	9.8	19.7
1 16	4 55.39	+35 27.5	2.087	2.902	12.8	19.9

74415 1999 AR_{9} 12 14.0 49°.30 11°.1/17.8 17

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	6 8.00	+57 8.2	2.232	2.914	16.2	17.9
11 17	6 1.28	+58 11.2	2.170	2.926	14.5	17.8
11 27	5 50.36	+58 53.0	2.128	2.938	12.9	17.7
12 7	5 36.42	+59 5.9	2.106	2.951	11.7	17.7
12 17	5 21.35	+58 45.0	2.107	2.963	11.1	17.7
12 27	5 7.43	+57 50.9	2.132	2.976	11.5	17.7
1 6	4 56.48	+56 29.9	2.182	2.989	12.6	17.8
1 16	4 49.49	+54 51.1	2.253	3.002	14.1	18.0

162895 2001 HR_{4} 12 14.0 303°.74 5°.4/12.6 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 52.41	+14 38.2	1.592	2.404	16.7	18.4
11 17	5 48.57	+13 21.8	1.497	2.383	13.3	18.1
11 27	5 41.84	+12 5.2	1.423	2.362	9.5	17.9
12 7	5 32.89	+10 53.1	1.375	2.341	6.2	17.6
12 17	5 22.79	+ 9 50.7	1.353	2.320	5.9	17.6
12 27	5 12.96	+ 9 3.3	1.359	2.300	9.3	17.7
1 6	5 4.74	+ 8 33.8	1.389	2.280	13.4	17.9
1 16	4 59.11	+ 8 22.9	1.441	2.260	17.4	18.1

326328 2000 BO_{9} 12 14.0 176°.36 4°.8/13.6 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 50.55	+ 6 8.0	2.729	3.495	11.7	21.3
11 17	5 45.71	+ 5 48.8	2.645	3.497	9.5	21.2
11 27	5 39.22	+ 5 37.9	2.585	3.498	7.2	21.0
12 7	5 31.57	+ 5 37.2	2.553	3.499	5.3	20.9
12 17	5 23.41	+ 5 47.8	2.550	3.499	5.0	20.9
12 27	5 15.49	+ 6 9.9	2.576	3.499	6.5	21.0
1 6	5 8.51	+ 6 42.6	2.631	3.499	8.7	21.1
1 16	5 3.03	+ 7 24.2	2.712	3.499	11.0	21.3

513738 2012 UO_{5} 12 14.0 138°.37 0°.3/14.0 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 59.10	+23 36.4	1.989	2.779	14.6	22.3
11 17	5 52.97	+23 46.0	1.914	2.792	11.3	22.1
11 27	5 44.26	+23 54.3	1.863	2.804	7.4	21.9
12 7	5 33.75	+23 59.6	1.839	2.816	3.1	21.7
12 17	5 22.49	+24 1.0	1.844	2.827	1.3	21.6
12 27	5 11.75	+23 58.9	1.881	2.837	5.6	21.9
1 6	5 2.65	+23 55.0	1.945	2.847	9.5	22.1
1 16	4 55.96	+23 51.3	2.035	2.856	12.9	22.4

386020 2007 DH_{92} 12 14.0 27°.69 2°.0/13.9 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 53.45	+19 10.4	1.085	1.926	20.9	20.0
11 17	5 50.13	+19 4.7	1.033	1.938	16.2	19.8
11 27	5 43.08	+19 2.9	0.999	1.951	10.7	19.5
12 7	5 33.39	+19 5.0	0.988	1.966	4.8	19.3
12 17	5 22.67	+19 10.9	1.000	1.982	2.8	19.2
12 27	5 12.88	+19 21.0	1.037	1.998	8.2	19.6
1 6	5 5.60	+19 35.9	1.097	2.016	13.5	19.9
1 16	5 1.77	+19 55.7	1.178	2.035	17.9	20.2

322291 2011 FE_{45} 12 14.0 338°.15 6°.9/12.9 17

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 47.78	+ 8 4.5	1.717	2.523	15.9	20.4
11 17	5 44.67	+ 7 7.7	1.632	2.508	13.0	20.2
11 27	5 39.10	+ 6 19.5	1.569	2.494	9.9	20.0
12 7	5 31.69	+ 5 44.4	1.529	2.481	7.4	19.8
12 17	5 23.38	+ 5 26.5	1.515	2.469	7.2	19.8
12 27	5 15.35	+ 5 28.0	1.528	2.458	9.5	19.9
1 6	5 8.70	+ 5 48.6	1.564	2.447	12.7	20.1
1 16	5 4.28	+ 6 25.9	1.623	2.438	15.9	20.3