122163 2000 KA_2 12 9.9 142°.65 2°.5/ 9.6 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
11 7	5 40.08	+17 37.2	1.569	2.408	15.6	19.9
11 17	5 32.98	+17 15.8	1.507	2.418	11.5	19.7
11 27	5 23.19	+16 56.1	1.468	2.427	7.0	19.5
12 7	5 11.77	+16 39.3	1.456	2.436	2.9	19.2
12 17	5 0.09	+16 27.1	1.472	2.444	4.6	19.4
12 27	4 49.61	+16 21.3	1.517	2.452	9.1	19.7
1 6	4 41.47	+16 23.2	1.587	2.459	13.2	19.9
1 16	4 36.34	+16 33.4	1.679	2.465	16.7	20.2

474969 2005 TH_{63} 12 9.9 68°.64 2°.2/10.3 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 39.50	+26 55.4	1.425	2.269	16.6	21.4
11 17	5 32.97	+27 23.0	1.369	2.283	12.3	21.2
11 27	5 23.34	+27 44.5	1.336	2.296	7.4	21.0
12 7	5 11.82	+27 56.9	1.328	2.309	2.8	20.7
12 17	4 59.99	+27 58.8	1.347	2.323	4.2	20.9
12 27	4 49.56	+27 52.2	1.394	2.337	8.9	21.2
1 6	4 41.83	+27 41.1	1.465	2.350	13.3	21.5
1 16	4 37.50	+27 29.8	1.558	2.364	16.9	21.7

321441 2009 QS_{52} 12 9.9 80°.05 2°.8/ 9.4 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 32.73	+15 37.0	2.072	2.908	12.5	20.5
11 17	5 27.11	+15 14.8	2.006	2.915	9.2	20.4
11 27	5 19.59	+14 55.5	1.965	2.922	5.7	20.2
12 7	5 10.92	+14 40.8	1.952	2.930	2.9	20.0
12 17	5 2.05	+14 31.8	1.968	2.937	4.1	20.1
12 27	4 53.97	+14 29.9	2.014	2.944	7.5	20.3
1 6	4 47.51	+14 35.5	2.085	2.952	10.8	20.5
1 16	4 43.23	+14 48.5	2.180	2.959	13.6	20.7

281912 2011 EX_{52} 12 9.9 285°.20 2°.2/ 9.7 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 36.29	+18 2.3	1.475	2.324	15.9	21.4
11 17	5 30.71	+17 56.1	1.395	2.311	11.8	21.2
11 27	5 22.17	+17 52.3	1.337	2.299	7.2	20.9
12 7	5 11.60	+17 51.5	1.304	2.286	2.6	20.6
12 17	5 0.37	+17 54.6	1.299	2.274	4.6	20.6
12 27	4 50.06	+18 2.7	1.321	2.261	9.6	20.9
1 6	4 42.06	+18 16.9	1.367	2.249	14.3	21.1
1 16	4 37.23	+18 37.8	1.434	2.237	18.3	21.4

480216 2015 GS_{28} 12 9.9 136°.92 2°.5/ 9.5 16

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 38.36	+17 41.5	1.828	2.661	14.0	22.8
11 17	5 31.36	+17 9.8	1.765	2.674	10.3	22.6
11 27	5 22.09	+16 39.0	1.728	2.686	6.2	22.4
12 7	5 11.50	+16 10.8	1.718	2.698	2.7	22.2
12 17	5 0.75	+15 47.1	1.738	2.708	4.3	22.3
12 27	4 51.04	+15 30.2	1.787	2.718	8.2	22.6
1 6	4 43.34	+15 21.5	1.862	2.728	11.9	22.8
1 16	4 38.24	+15 21.7	1.960	2.737	15.0	23.1

119862 2002 CY_{121} 12 9.9 251°.91 0°.2/ 9.9 17

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 33.67	+23 3.3	2.184	3.018	12.0	20.4
11 17	5 27.93	+22 51.7	2.099	3.010	8.8	20.2
11 27	5 20.15	+22 37.2	2.040	3.001	5.2	20.0
12 7	5 11.08	+22 19.8	2.009	2.993	1.2	19.7
12 17	5 1.65	+22 0.5	2.008	2.984	2.9	19.8
12 27	4 52.94	+21 40.9	2.036	2.976	6.8	20.0
1 6	4 45.84	+21 23.4	2.092	2.967	10.4	20.2
1 16	4 40.98	+21 10.0	2.172	2.958	13.4	20.4

409137 2003 UP_{55} 12 10.0 44°.97 5°.9/11.0 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 38.86	+37 5.9	1.830	2.644	14.7	19.8
11 17	5 32.18	+38 4.7	1.782	2.668	11.6	19.7
11 27	5 22.76	+38 49.9	1.758	2.692	8.4	19.6
12 7	5 11.68	+39 16.7	1.759	2.717	6.1	19.5
12 17	5 0.38	+39 23.2	1.789	2.741	6.4	19.5
12 27	4 50.35	+39 11.3	1.845	2.766	8.7	19.7
1 6	4 42.74	+38 46.1	1.928	2.792	11.6	20.0
1 16	4 38.20	+38 13.7	2.032	2.817	14.2	20.2

514782 2007 GC_{40} 12 10.0 233°.36 1°.5/10.2 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 38.57	+26 1.4	1.845	2.677	13.9	22.3
11 17	5 32.02	+26 21.7	1.760	2.668	10.4	22.0
11 27	5 22.79	+26 37.9	1.699	2.658	6.3	21.8
12 7	5 11.75	+26 47.8	1.665	2.647	2.1	21.5
12 17	5 0.11	+26 50.1	1.660	2.636	3.5	21.5
12 27	4 49.31	+26 45.9	1.685	2.625	7.9	21.8
1 6	4 40.58	+26 37.9	1.736	2.613	12.0	22.0
1 16	4 34.71	+26 29.7	1.810	2.600	15.5	22.2

365997 2012 BE_{91} 12 10.0 224°.94 5°.1/ 9.3 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 32.77	+ 8 3.5	2.114	2.937	12.7	20.6
11 17	5 27.17	+ 7 44.5	2.041	2.935	9.9	20.4
11 27	5 19.66	+ 7 34.5	1.991	2.933	7.0	20.3
12 7	5 10.97	+ 7 35.8	1.969	2.931	5.1	20.1
12 17	5 1.97	+ 7 49.5	1.976	2.928	5.9	20.2
12 27	4 53.66	+ 8 15.9	2.012	2.926	8.6	20.3
1 6	4 46.86	+ 8 53.6	2.073	2.923	11.5	20.5
1 16	4 42.18	+ 9 40.7	2.157	2.921	14.2	20.7

484627 2008 SA_{159} 12 10.0 19°.46 4°.7/11.2 17

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
11 7	5 35.57	+36 28.7	2.090	2.903	13.2	21.1
11 17	5 29.61	+36 54.3	2.018	2.906	10.3	20.9
11 27	5 21.23	+37 7.9	1.970	2.908	7.3	20.7
12 7	5 11.35	+37 6.6	1.948	2.911	5.0	20.6
12 17	5 1.13	+36 49.2	1.955	2.914	5.3	20.6
12 27	4 51.88	+36 17.8	1.990	2.917	7.8	20.8
1 6	4 44.64	+35 36.9	2.051	2.921	10.7	21.0
1 16	4 40.08	+34 51.8	2.136	2.925	13.5	21.2

470250 2006 XP_{72} 12 10.0 348°.60 4°.6/10.8 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 35.91	+32 0.1	1.166	2.022	18.7	20.5
11 17	5 31.27	+32 22.2	1.100	2.016	14.3	20.2
11 27	5 22.82	+32 31.1	1.053	2.010	9.4	20.0
12 7	5 11.79	+32 22.1	1.029	2.006	5.1	19.7
12 17	5 0.09	+31 54.0	1.029	2.002	5.9	19.7
12 27	4 49.90	+31 10.7	1.054	1.999	10.7	20.0
1 6	4 42.89	+30 20.0	1.101	1.998	15.6	20.3
1 16	4 39.97	+29 29.7	1.167	1.997	19.9	20.5

40826 1999 TP_{91} 12 10.0 111°.32 1°.8/10.3 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 39.33	+27 9.8	1.923	2.751	13.6	19.3
11 17	5 32.17	+27 32.4	1.863	2.768	10.1	19.1
11 27	5 22.63	+27 49.4	1.827	2.784	6.1	18.9
12 7	5 11.66	+27 58.7	1.820	2.801	2.3	18.7
12 17	5 0.47	+27 59.6	1.842	2.817	3.4	18.8
12 27	4 50.36	+27 53.5	1.894	2.832	7.3	19.1
1 6	4 42.33	+27 43.4	1.973	2.847	10.9	19.3
1 16	4 37.01	+27 32.6	2.075	2.861	13.9	19.6

197067 2003 UJ_{161} 12 10.0 352°.35 4°.2/10.6 17

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 32.05	+31 37.4	1.538	2.384	15.5	19.1
11 17	5 27.73	+32 13.9	1.465	2.376	11.9	18.8
11 27	5 20.46	+32 41.4	1.414	2.368	7.9	18.6
12 7	5 11.22	+32 55.9	1.387	2.362	4.5	18.4
12 17	5 1.39	+32 55.5	1.387	2.357	5.3	18.4
12 27	4 52.60	+32 41.6	1.413	2.353	9.0	18.6
1 6	4 46.18	+32 18.4	1.462	2.351	13.1	18.8
1 16	4 42.97	+31 51.3	1.534	2.350	16.6	19.1

367407 2008 QZ_{29} 12 10.0 104°.06 3°.5/ 9.3 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 31.97	+11 56.0	2.368	3.194	11.4	21.2
11 17	5 26.33	+11 35.2	2.305	3.205	8.6	21.0
11 27	5 19.05	+11 19.8	2.267	3.216	5.7	20.9
12 7	5 10.81	+11 11.2	2.257	3.227	3.6	20.8
12 17	5 2.42	+11 10.7	2.277	3.238	4.5	20.8
12 27	4 54.71	+11 18.7	2.327	3.248	7.2	21.0
1 6	4 48.41	+11 35.0	2.403	3.258	9.9	21.2
1 16	4 43.99	+11 59.0	2.503	3.268	12.4	21.4

59695 1999 JU_{116} 12 10.0 248°.84 1°.7/10.2 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 39.62	+26 23.1	1.463	2.306	16.3	19.3
11 17	5 33.34	+26 40.1	1.385	2.298	12.2	19.0
11 27	5 23.79	+26 51.6	1.329	2.290	7.4	18.8
12 7	5 12.02	+26 55.0	1.299	2.282	2.5	18.4
12 17	4 59.56	+26 48.9	1.297	2.273	4.1	18.5
12 27	4 48.21	+26 35.4	1.322	2.264	9.3	18.8
1 6	4 39.47	+26 18.5	1.371	2.255	14.0	19.1
1 16	4 34.24	+26 2.7	1.441	2.246	18.1	19.3

88371 2001 PF_{15} 12 10.0 58°.94 1°.1/ 9.8 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 38.23	+21 20.4	1.318	2.171	17.1	19.2
11 17	5 31.87	+21 3.7	1.272	2.191	12.5	19.0
11 27	5 22.58	+20 45.3	1.247	2.211	7.3	18.7
12 7	5 11.65	+20 26.1	1.248	2.232	1.9	18.5
12 17	5 0.63	+20 7.6	1.276	2.253	4.1	18.7
12 27	4 51.13	+19 52.5	1.331	2.274	9.2	19.0
1 6	4 44.30	+19 43.3	1.409	2.295	13.7	19.3
1 16	4 40.72	+19 41.5	1.509	2.316	17.3	19.6

328963 2010 VX_{158} 12 10.0 18°.31 6°.1/ 8.9 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 35.31	+12 37.6	1.199	2.058	18.2	20.4
11 17	5 30.08	+11 39.7	1.142	2.059	13.8	20.1
11 27	5 21.76	+10 48.9	1.106	2.062	9.3	19.9
12 7	5 11.51	+10 10.7	1.093	2.064	6.2	19.7
12 17	5 0.88	+ 9 49.3	1.105	2.068	7.7	19.8
12 27	4 51.58	+ 9 47.2	1.141	2.071	11.9	20.1
1 6	4 44.91	+10 3.7	1.200	2.075	16.3	20.4
1 16	4 41.60	+10 36.3	1.277	2.080	20.1	20.6

94855 2001 XR_{210} 12 10.0 229°.57 1°.9/ 9.6 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 36.04	+19 57.3	1.673	2.516	14.6	19.6
11 17	5 30.07	+19 24.8	1.599	2.514	10.8	19.4
11 27	5 21.56	+18 50.7	1.549	2.511	6.4	19.1
12 7	5 11.45	+18 16.6	1.526	2.508	2.3	18.9
12 17	5 0.97	+17 44.8	1.531	2.505	4.1	19.0
12 27	4 51.49	+17 18.4	1.564	2.501	8.6	19.3
1 6	4 44.10	+16 59.9	1.622	2.498	12.8	19.5
1 16	4 39.50	+16 50.7	1.703	2.494	16.3	19.7

111081 2001 VJ_{57} 12 10.0 62°.80 1°.8/10.4 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
11 7	5 35.80	+28 29.2	1.846	2.680	13.8	20.2
11 17	5 29.73	+28 26.4	1.780	2.688	10.3	20.0
11 27	5 21.26	+28 16.0	1.738	2.696	6.2	19.7
12 7	5 11.36	+27 56.9	1.723	2.704	2.4	19.5
12 17	5 1.23	+27 29.8	1.737	2.712	3.4	19.6
12 27	4 52.15	+26 57.3	1.779	2.720	7.4	19.9
1 6	4 45.14	+26 23.6	1.848	2.729	11.2	20.1
1 16	4 40.81	+25 52.2	1.940	2.737	14.4	20.3

325411 2009 KQ_{1} 12 10.0 193°.83 1°.8/10.2 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 41.47	+26 13.0	1.633	2.467	15.3	21.4
11 17	5 34.37	+26 40.4	1.558	2.466	11.4	21.1
11 27	5 24.25	+27 3.3	1.505	2.464	6.9	20.9
12 7	5 12.12	+27 18.7	1.480	2.462	2.4	20.6
12 17	4 59.40	+27 24.7	1.483	2.458	3.9	20.7
12 27	4 47.76	+27 22.5	1.515	2.455	8.6	20.9
1 6	4 38.55	+27 15.5	1.573	2.450	13.0	21.2
1 16	4 32.60	+27 7.8	1.652	2.445	16.7	21.4

187582 2006 WN_{46} 12 10.0 261°.17 1°.0/10.2 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 35.07	+25 53.4	1.956	2.791	13.1	20.7
11 17	5 29.18	+25 56.3	1.880	2.789	9.7	20.4
11 27	5 20.98	+25 54.4	1.828	2.788	5.8	20.2
12 7	5 11.32	+25 46.7	1.804	2.786	1.7	19.9
12 17	5 1.31	+25 33.4	1.809	2.785	3.1	20.0
12 27	4 52.17	+25 16.3	1.843	2.783	7.2	20.3
1 6	4 44.91	+24 58.3	1.903	2.782	11.0	20.5
1 16	4 40.19	+24 42.1	1.987	2.781	14.2	20.7

23057 Angelawilson 12 10.0 164°.36 0°.9/ 9.8 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 36.29	+21 46.4	2.176	3.005	12.2	19.6
11 17	5 29.70	+21 21.4	2.102	3.010	8.9	19.4
11 27	5 21.11	+20 53.7	2.054	3.015	5.2	19.2
12 7	5 11.34	+20 24.3	2.035	3.019	1.4	18.9
12 17	5 1.35	+19 54.5	2.047	3.022	3.1	19.1
12 27	4 52.21	+19 26.8	2.089	3.025	6.9	19.3
1 6	4 44.76	+19 3.3	2.158	3.027	10.3	19.5
1 16	4 39.57	+18 46.1	2.252	3.029	13.3	19.7

50628 2000 EA_{69} 12 10.0 85°.67 0°.1/10.0 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 33.25	+23 14.0	2.375	3.205	11.2	19.0
11 17	5 27.34	+23 14.6	2.312	3.221	8.2	18.8
11 27	5 19.68	+23 12.9	2.275	3.236	4.8	18.6
12 7	5 11.00	+23 8.7	2.267	3.250	1.1	18.4
12 17	5 2.17	+23 2.3	2.289	3.265	2.6	18.5
12 27	4 54.10	+22 54.9	2.341	3.280	6.0	18.8
1 6	4 47.56	+22 48.2	2.421	3.295	9.2	19.0
1 16	4 43.04	+22 43.6	2.525	3.309	11.8	19.2

351367 2005 CD_{40} 12 10.0 204°.52 2°.0/ 9.6 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 35.25	+17 16.8	2.255	3.083	11.8	21.6
11 17	5 28.98	+17 6.0	2.172	3.078	8.8	21.4
11 27	5 20.75	+16 56.7	2.115	3.073	5.3	21.2
12 7	5 11.29	+16 49.7	2.087	3.067	2.2	21.0
12 17	5 1.48	+16 45.8	2.089	3.061	3.5	21.1
12 27	4 52.34	+16 46.1	2.122	3.054	7.0	21.3
1 6	4 44.74	+16 51.3	2.182	3.047	10.4	21.5
1 16	4 39.29	+17 2.1	2.266	3.039	13.3	21.7

89238 2001 UQ_{153} 12 10.0 350°.14 3°.4/ 9.3 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 34.19	+17 34.9	1.364	2.220	16.5	19.3
11 17	5 29.12	+16 49.3	1.297	2.217	12.3	19.0
11 27	5 21.18	+16 4.4	1.252	2.214	7.6	18.8
12 7	5 11.42	+15 23.5	1.232	2.212	3.6	18.5
12 17	5 1.24	+14 50.0	1.239	2.210	5.5	18.6
12 27	4 52.21	+14 27.6	1.271	2.209	10.1	18.9
1 6	4 45.57	+14 18.1	1.327	2.208	14.6	19.2
1 16	4 42.06	+14 21.6	1.403	2.208	18.5	19.4

135781 2002 RF_{74} 12 10.0 148°.05 1°.6/ 9.7 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 35.20	+19 0.5	1.882	2.721	13.4	20.3
11 17	5 29.21	+18 49.5	1.811	2.723	9.9	20.1
11 27	5 20.97	+18 39.2	1.765	2.726	5.9	19.9
12 7	5 11.35	+18 30.0	1.746	2.728	2.0	19.6
12 17	5 1.41	+18 23.0	1.756	2.730	3.6	19.7
12 27	4 52.35	+18 19.5	1.794	2.732	7.7	20.0
1 6	4 45.15	+18 20.8	1.860	2.734	11.5	20.2
1 16	4 40.44	+18 27.9	1.948	2.735	14.7	20.5

286274 2001 VZ_{77} 12 10.0 286°.49 0°.1/10.0 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 36.30	+23 37.7	1.560	2.406	15.3	21.0
11 17	5 30.67	+23 27.8	1.478	2.394	11.4	20.7
11 27	5 22.14	+23 13.6	1.419	2.382	6.7	20.4
12 7	5 11.67	+22 55.0	1.386	2.370	1.6	20.1
12 17	5 0.61	+22 32.8	1.380	2.357	3.7	20.2
12 27	4 50.52	+22 9.5	1.402	2.345	8.8	20.5
1 6	4 42.70	+21 48.8	1.449	2.333	13.4	20.7
1 16	4 38.00	+21 33.8	1.517	2.321	17.4	20.9

176904 2002 VQ_{67} 12 10.0 31°.47 7°.3/11.3 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
11 7	5 38.97	+37 58.7	1.379	2.209	17.8	19.0
11 17	5 33.08	+38 58.9	1.331	2.224	14.1	18.9
11 27	5 23.63	+39 41.8	1.303	2.240	10.4	18.7
12 7	5 11.99	+40 0.8	1.299	2.257	7.7	18.6
12 17	5 0.03	+39 53.5	1.320	2.275	7.9	18.6
12 27	4 49.72	+39 23.2	1.367	2.294	10.6	18.9
1 6	4 42.51	+38 37.7	1.436	2.313	14.1	19.1
1 16	4 39.12	+37 45.4	1.527	2.333	17.2	19.4

489223 2006 KF_{62} 12 10.0 232°.46 0°.8/ 9.9 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 32.88	+19 8.3	2.633	3.459	10.4	21.8
11 17	5 27.10	+19 22.4	2.545	3.452	7.6	21.6
11 27	5 19.61	+19 37.7	2.484	3.444	4.5	21.4
12 7	5 11.03	+19 53.8	2.453	3.435	1.3	21.1
12 17	5 2.11	+20 10.6	2.452	3.427	2.6	21.2
12 27	4 53.70	+20 28.0	2.482	3.418	5.9	21.4
1 6	4 46.56	+20 46.5	2.541	3.410	9.0	21.6
1 16	4 41.26	+21 6.7	2.624	3.400	11.6	21.8

157703 2006 AW_{27} 12 10.0 4°.49 0°.9/10.1 17

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 34.35	+24 31.8	2.071	2.905	12.5	20.2
11 17	5 28.57	+24 52.9	1.996	2.905	9.2	20.0
11 27	5 20.62	+25 11.5	1.945	2.905	5.5	19.8
12 7	5 11.28	+25 26.0	1.923	2.906	1.6	19.5
12 17	5 1.57	+25 35.9	1.930	2.906	3.0	19.6
12 27	4 52.63	+25 41.6	1.966	2.906	6.9	19.9
1 6	4 45.42	+25 44.9	2.029	2.907	10.5	20.1
1 16	4 40.61	+25 47.9	2.116	2.907	13.5	20.3

493178 2014 UU_{11} 12 10.0 140°.37 0°.3/ 9.9 17

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 32.88	+23 21.0	2.461	3.291	10.9	21.8
11 17	5 27.06	+23 0.0	2.388	3.296	8.0	21.6
11 27	5 19.54	+22 35.9	2.340	3.300	4.7	21.4
12 7	5 11.00	+22 9.1	2.321	3.305	1.1	21.2
12 17	5 2.28	+21 40.9	2.333	3.309	2.6	21.3
12 27	4 54.27	+21 13.2	2.375	3.313	6.0	21.6
1 6	4 47.71	+20 48.3	2.445	3.317	9.2	21.8
1 16	4 43.12	+20 27.8	2.540	3.321	11.8	21.9

14640 1998 WF_{4} 12 10.0 45°.80 0°.6/10.1 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 34.44	+24 16.9	1.834	2.674	13.6	18.2
11 17	5 28.62	+24 24.9	1.780	2.693	9.9	18.0
11 27	5 20.57	+24 29.5	1.751	2.713	5.8	17.8
12 7	5 11.24	+24 30.0	1.749	2.732	1.5	17.6
12 17	5 1.76	+24 26.4	1.775	2.752	3.1	17.8
12 27	4 53.32	+24 20.3	1.830	2.772	7.2	18.1
1 6	4 46.85	+24 14.0	1.912	2.793	10.8	18.3
1 16	4 42.91	+24 9.5	2.016	2.813	13.9	18.6

187170 2005 SH_{13} 12 10.0 97°.02 0°.3/10.1 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 40.44	+24 2.1	1.614	2.451	15.3	20.8
11 17	5 33.16	+23 58.6	1.561	2.473	11.2	20.6
11 27	5 23.26	+23 50.9	1.532	2.494	6.5	20.4
12 7	5 11.88	+23 38.4	1.530	2.514	1.6	20.1
12 17	5 0.39	+23 21.8	1.557	2.534	3.4	20.3
12 27	4 50.23	+23 3.7	1.613	2.554	8.1	20.6
1 6	4 42.47	+22 47.3	1.694	2.573	12.1	20.9
1 16	4 37.70	+22 35.1	1.798	2.591	15.5	21.2

490603 2009 WO_{179} 12 10.0 277°.49 3°.4/10.3 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 36.43	+31 9.6	2.315	3.133	11.9	21.3
11 17	5 30.23	+32 2.2	2.224	3.120	9.1	21.1
11 27	5 21.71	+32 49.4	2.158	3.106	6.1	20.9
12 7	5 11.58	+33 27.8	2.121	3.093	3.6	20.7
12 17	5 0.83	+33 54.8	2.114	3.079	4.3	20.7
12 27	4 50.67	+34 9.8	2.136	3.065	7.2	20.9
1 6	4 42.16	+34 15.0	2.186	3.052	10.3	21.1
1 16	4 36.08	+34 13.7	2.259	3.038	13.2	21.3

145946 1999 XL_{151} 12 10.0 171°.38 1°.0/10.2 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 39.78	+26 4.8	1.984	2.810	13.3	20.8
11 17	5 32.54	+26 3.8	1.910	2.815	9.8	20.6
11 27	5 22.92	+25 57.2	1.860	2.818	5.9	20.4
12 7	5 11.82	+25 44.1	1.838	2.821	1.7	20.1
12 17	5 0.41	+25 24.7	1.847	2.823	3.1	20.2
12 27	4 49.97	+25 1.2	1.886	2.824	7.3	20.5
1 6	4 41.54	+24 36.9	1.952	2.825	11.1	20.7
1 16	4 35.76	+24 15.1	2.042	2.825	14.2	20.9

374684 2006 QD_{64} 12 10.0 97°.58 5°.6/ 9.3 16

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 40.41	+10 13.6	1.566	2.396	16.1	21.4
11 17	5 32.89	+ 9 32.0	1.523	2.423	12.2	21.3
11 27	5 22.99	+ 8 59.8	1.503	2.450	8.3	21.1
12 7	5 11.80	+ 8 40.2	1.510	2.477	5.7	21.0
12 17	5 0.63	+ 8 35.2	1.546	2.502	6.8	21.1
12 27	4 50.78	+ 8 45.2	1.609	2.527	10.0	21.4
1 6	4 43.22	+ 9 8.9	1.697	2.551	13.4	21.7
1 16	4 38.48	+ 9 43.8	1.806	2.574	16.4	21.9

387698 2002 VG_{100} 12 10.0 66°.59 0°.5/ 9.9 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
11 7	5 38.91	+24 9.1	1.341	2.192	17.1	20.3
11 17	5 32.42	+23 33.6	1.290	2.208	12.5	20.1
11 27	5 22.97	+22 52.3	1.260	2.224	7.3	19.9
12 7	5 11.82	+22 6.3	1.256	2.240	1.7	19.6
12 17	5 0.59	+21 18.8	1.279	2.256	4.0	19.8
12 27	4 50.89	+20 34.5	1.329	2.272	9.2	20.1
1 6	4 43.89	+19 57.8	1.404	2.289	13.7	20.4
1 16	4 40.18	+19 31.4	1.499	2.305	17.4	20.7

407075 2009 SV_{198} 12 10.0 73°.21 2°.4/10.6 17

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 35.43	+30 7.9	2.085	2.912	12.7	21.8
11 17	5 29.28	+30 15.4	2.021	2.923	9.5	21.6
11 27	5 20.96	+30 15.1	1.981	2.935	6.0	21.4
12 7	5 11.36	+30 5.4	1.968	2.947	2.8	21.2
12 17	5 1.56	+29 46.6	1.985	2.958	3.5	21.3
12 27	4 52.71	+29 20.6	2.032	2.970	6.9	21.5
1 6	4 45.74	+28 51.1	2.105	2.982	10.2	21.7
1 16	4 41.22	+28 21.7	2.202	2.993	13.1	22.0

302593 2002 QF_{14} 12 10.0 44°.60 5°.7/11.9 17

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 40.09	+38 43.6	1.536	2.356	16.8	20.3
11 17	5 33.38	+38 36.7	1.479	2.370	13.2	20.1
11 27	5 23.54	+38 10.1	1.444	2.384	9.3	19.9
12 7	5 11.96	+37 21.1	1.434	2.398	6.2	19.8
12 17	5 0.33	+36 11.0	1.450	2.413	6.2	19.8
12 27	4 50.36	+34 46.1	1.494	2.429	9.2	20.0
1 6	4 43.25	+33 15.5	1.563	2.444	12.8	20.3
1 16	4 39.57	+31 47.5	1.655	2.460	16.1	20.5

187032 2005 GF_{32} 12 10.0 208°.05 4°.7/ 9.3 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 37.34	+12 25.0	1.580	2.418	15.5	20.8
11 17	5 31.13	+11 56.3	1.508	2.415	11.8	20.5
11 27	5 22.28	+11 34.3	1.459	2.412	7.8	20.3
12 7	5 11.72	+11 21.7	1.436	2.409	4.8	20.1
12 17	5 0.71	+11 20.7	1.441	2.405	6.1	20.2
12 27	4 50.68	+11 32.4	1.473	2.401	10.0	20.4
1 6	4 42.78	+11 56.3	1.530	2.396	14.0	20.6
1 16	4 37.78	+12 31.0	1.608	2.391	17.5	20.8

246807 2009 FE_{31} 12 10.0 204°.95 4°.9/ 8.6 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 33.41	+ 8 20.1	2.450	3.265	11.4	21.4
11 17	5 27.45	+ 7 35.7	2.370	3.259	8.9	21.2
11 27	5 19.80	+ 6 57.7	2.316	3.253	6.4	21.1
12 7	5 11.10	+ 6 28.8	2.291	3.247	5.0	21.0
12 17	5 2.14	+ 6 11.4	2.295	3.240	5.8	21.0
12 27	4 53.77	+ 6 6.7	2.328	3.232	8.1	21.2
1 6	4 46.73	+ 6 14.7	2.389	3.224	10.7	21.3
1 16	4 41.56	+ 6 34.4	2.472	3.215	13.1	21.5

367634 2009 VL_{87} 12 10.0 8°.70 0°.4/ 9.9 17

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 33.75	+20 21.1	2.019	2.856	12.7	20.5
11 17	5 28.15	+20 45.7	1.945	2.857	9.3	20.2
11 27	5 20.39	+21 11.5	1.896	2.858	5.5	20.0
12 7	5 11.27	+21 37.5	1.875	2.859	1.3	19.7
12 17	5 1.76	+22 2.5	1.884	2.860	3.0	19.9
12 27	4 53.00	+22 26.6	1.922	2.862	7.0	20.1
1 6	4 45.95	+22 50.1	1.986	2.864	10.7	20.3
1 16	4 41.25	+23 14.1	2.075	2.866	13.7	20.6

240229 2002 TC_{116} 12 10.0 114°.15 2°.2/ 9.4 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 36.69	+18 27.5	2.199	3.027	12.1	20.7
11 17	5 29.77	+17 43.6	2.142	3.048	8.9	20.6
11 27	5 21.06	+16 59.5	2.111	3.069	5.3	20.4
12 7	5 11.37	+16 17.3	2.109	3.089	2.4	20.2
12 17	5 1.65	+15 39.1	2.138	3.108	3.7	20.4
12 27	4 52.85	+15 7.4	2.197	3.127	7.0	20.6
1 6	4 45.74	+14 43.8	2.284	3.145	10.2	20.8
1 16	4 40.79	+14 29.3	2.395	3.162	12.8	21.1

321644 2010 AD_{29} 12 10.0 218°.12 0°.9/10.3 17

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 32.91	+26 18.7	2.445	3.273	11.0	21.0
11 17	5 27.24	+26 18.0	2.366	3.272	8.2	20.8
11 27	5 19.73	+26 12.9	2.311	3.270	4.9	20.6
12 7	5 11.10	+26 2.7	2.285	3.268	1.5	20.4
12 17	5 2.19	+25 47.9	2.290	3.266	2.6	20.5
12 27	4 53.96	+25 29.7	2.325	3.264	6.1	20.7
1 6	4 47.21	+25 10.6	2.387	3.262	9.2	20.9
1 16	4 42.50	+24 52.8	2.474	3.260	12.0	21.1

407259 2010 AS_{137} 12 10.0 36°.15 1°.7/ 9.8 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 33.28	+17 43.9	1.912	2.753	13.2	20.6
11 17	5 27.77	+17 50.0	1.847	2.760	9.7	20.4
11 27	5 20.14	+17 58.6	1.806	2.767	5.8	20.2
12 7	5 11.20	+18 10.0	1.793	2.774	2.1	19.9
12 17	5 1.99	+18 24.0	1.808	2.782	3.5	20.0
12 27	4 53.61	+18 41.0	1.852	2.791	7.4	20.3
1 6	4 47.01	+19 1.2	1.923	2.799	11.0	20.5
1 16	4 42.77	+19 25.0	2.016	2.808	14.1	20.8

328438 2008 TF_{32} 12 10.0 89°.56 2°.1/ 9.5 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
11 7	5 32.19	+17 0.5	2.398	3.229	11.1	21.0
11 17	5 26.50	+16 37.5	2.337	3.244	8.2	20.9
11 27	5 19.19	+16 16.1	2.301	3.259	5.0	20.7
12 7	5 10.95	+15 57.4	2.294	3.273	2.3	20.5
12 17	5 2.59	+15 42.7	2.318	3.288	3.4	20.6
12 27	4 54.96	+15 33.4	2.371	3.302	6.5	20.9
1 6	4 48.75	+15 30.1	2.452	3.317	9.4	21.1
1 16	4 44.44	+15 33.2	2.557	3.331	11.9	21.3

158257 2001 TY_{126} 12 10.0 289°.37 0°.4/ 9.9 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 36.19	+22 29.4	1.537	2.384	15.4	20.6
11 17	5 30.65	+22 21.6	1.454	2.371	11.4	20.3
11 27	5 22.19	+22 11.0	1.395	2.358	6.8	20.0
12 7	5 11.75	+21 57.4	1.361	2.345	1.6	19.6
12 17	5 0.67	+21 41.6	1.354	2.331	3.8	19.8
12 27	4 50.54	+21 25.9	1.375	2.318	9.0	20.0
1 6	4 42.69	+21 13.2	1.421	2.305	13.6	20.3
1 16	4 37.97	+21 6.2	1.488	2.293	17.6	20.5

404871 2014 KU_{43} 12 10.0 285°.03 3°.8/ 9.9 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 36.41	+11 35.5	1.729	2.562	14.6	20.8
11 17	5 30.40	+11 52.9	1.650	2.555	11.1	20.5
11 27	5 21.87	+12 20.3	1.594	2.547	7.2	20.3
12 7	5 11.66	+12 58.1	1.565	2.540	4.0	20.1
12 17	5 0.89	+13 45.6	1.565	2.533	5.1	20.1
12 27	4 50.89	+14 41.1	1.593	2.526	8.9	20.3
1 6	4 42.81	+15 42.6	1.648	2.519	12.9	20.5
1 16	4 37.44	+16 48.2	1.725	2.511	16.3	20.8

308915 2006 SG_{291} 12 10.0 70°.87 0°.2/10.0 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 39.58	+20 52.4	1.745	2.580	14.5	20.1
11 17	5 32.46	+21 37.1	1.694	2.604	10.6	19.9
11 27	5 22.88	+22 22.5	1.668	2.629	6.1	19.7
12 7	5 11.85	+23 5.8	1.669	2.653	1.4	19.4
12 17	5 0.61	+23 44.8	1.700	2.677	3.2	19.6
12 27	4 50.51	+24 19.1	1.761	2.701	7.6	19.9
1 6	4 42.58	+24 49.5	1.848	2.725	11.4	20.2
1 16	4 37.44	+25 17.5	1.959	2.748	14.5	20.5

50204 2000 AR_{203} 12 10.0 204°.69 2°.9/10.9 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 37.75	+32 39.9	2.198	3.013	12.6	18.7
11 17	5 31.04	+32 35.3	2.115	3.010	9.6	18.4
11 27	5 22.06	+32 20.4	2.057	3.006	6.2	18.2
12 7	5 11.67	+31 53.6	2.027	3.002	3.3	18.0
12 17	5 0.98	+31 15.0	2.027	2.997	3.8	18.1
12 27	4 51.20	+30 27.6	2.056	2.992	7.0	18.3
1 6	4 43.30	+29 35.8	2.114	2.987	10.3	18.5
1 16	4 37.92	+28 44.4	2.196	2.981	13.3	18.7

483194 2015 PX_{221} 12 10.0 264°.66 7°.2/ 7.9 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 33.60	+ 7 11.8	1.761	2.590	14.6	21.0
11 17	5 28.09	+ 5 52.4	1.692	2.587	11.6	20.8
11 27	5 20.38	+ 4 41.5	1.647	2.583	8.7	20.6
12 7	5 11.28	+ 3 44.6	1.629	2.579	7.2	20.5
12 17	5 1.88	+ 3 6.6	1.637	2.576	8.3	20.6
12 27	4 53.32	+ 2 49.8	1.672	2.572	11.0	20.8
1 6	4 46.58	+ 2 53.8	1.731	2.568	14.1	20.9
1 16	4 42.29	+ 3 16.4	1.811	2.564	16.9	21.1

285917 2001 QC_{172} 12 10.0 116°.92 1°.2/10.4 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 36.98	+27 36.8	2.103	2.929	12.6	21.1
11 17	5 30.30	+27 25.4	2.038	2.943	9.3	20.9
11 27	5 21.52	+27 7.3	1.998	2.955	5.6	20.7
12 7	5 11.53	+26 42.1	1.986	2.968	1.8	20.5
12 17	5 1.39	+26 10.8	2.004	2.980	3.0	20.6
12 27	4 52.22	+25 35.9	2.052	2.992	6.7	20.8
1 6	4 44.93	+25 1.0	2.128	3.003	10.2	21.1
1 16	4 40.05	+24 29.3	2.228	3.014	13.1	21.3

275001 2009 TZ_{29} 12 10.0 7°.96 3°.7/ 9.9 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 31.97	+12 39.6	1.587	2.434	15.0	18.9
11 17	5 27.17	+12 48.4	1.523	2.436	11.3	18.6
11 27	5 19.95	+13 6.1	1.482	2.439	7.2	18.4
12 7	5 11.20	+13 33.3	1.466	2.443	3.9	18.2
12 17	5 2.08	+14 9.9	1.478	2.448	5.1	18.3
12 27	4 53.87	+14 54.6	1.517	2.454	8.9	18.6
1 6	4 47.65	+15 45.7	1.581	2.460	12.8	18.8
1 16	4 44.10	+16 41.4	1.666	2.468	16.2	19.0

222903 2002 GS_{181} 12 10.0 199°.35 3°.9/ 8.9 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 31.99	+12 51.7	2.276	3.105	11.7	20.4
11 17	5 26.52	+12 5.5	2.201	3.104	8.9	20.2
11 27	5 19.30	+11 22.9	2.153	3.103	5.9	20.0
12 7	5 11.02	+10 46.4	2.132	3.102	3.9	19.9
12 17	5 2.51	+10 18.6	2.141	3.100	4.9	19.9
12 27	4 54.68	+10 1.3	2.180	3.099	7.7	20.1
1 6	4 48.28	+ 9 55.1	2.245	3.097	10.7	20.3
1 16	4 43.84	+ 9 59.8	2.333	3.095	13.3	20.5

418637 2008 TE_{52} 12 10.0 118°.67 5°.4/11.6 17

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
11 7	5 37.28	+40 24.4	2.455	3.246	12.2	21.0
11 17	5 30.68	+40 52.9	2.382	3.250	9.8	20.9
11 27	5 21.85	+41 8.4	2.334	3.255	7.3	20.7
12 7	5 11.63	+41 7.6	2.312	3.260	5.6	20.6
12 17	5 1.13	+40 49.5	2.319	3.265	5.7	20.7
12 27	4 51.54	+40 15.8	2.355	3.269	7.5	20.8
1 6	4 43.82	+39 30.8	2.418	3.273	9.9	20.9
1 16	4 38.62	+38 39.8	2.505	3.278	12.2	21.1

92924 2000 RH_{21} 12 10.0 156°.65 1°.2/10.3 18

11 7	5 38.66	+27 20.4	1.899	2.728	13.7	19.8
11 17	5 31.82	+27 10.8	1.827	2.733	10.1	19.5
11 27	5 22.55	+26 54.1	1.780	2.739	6.1	19.3
12 7	5 11.81	+26 29.6	1.761	2.743	2.0	19.1
12 17	5 0.81	+25 58.0	1.771	2.747	3.2	19.2
12 27	4 50.85	+25 22.4	1.811	2.751	7.4	19.4
1 6	4 42.96	+24 46.6	1.878	2.754	11.2	19.7
1 16	4 37.78	+24 14.3	1.967	2.757	14.5	19.9

367406 Buser 12 10.0 90°.56 2°.3/ 9.4 18

11 7	5 33.08	+16 37.7	2.403	3.232	11.2	21.2
11 17	5 27.09	+16 5.5	2.347	3.253	8.2	21.1
11 27	5 19.51	+15 35.0	2.318	3.274	5.0	20.9
12 7	5 11.06	+15 7.7	2.317	3.295	2.5	20.8
12 17	5 2.55	+14 45.1	2.347	3.315	3.6	20.9
12 27	4 54.81	+14 28.9	2.407	3.335	6.5	21.1
1 6	4 48.52	+14 19.8	2.494	3.355	9.4	21.3
1 16	4 44.13	+14 18.2	2.605	3.374	11.9	21.5

5953 Shelton 12 10.0 116°.48 12°.5/10.1 18

11 7	5 38.45	−10 23.4	1.734	2.493	17.6	17.7
11 17	5 31.46	−11 10.0	1.689	2.508	15.4	17.6
11 27	5 22.23	−11 29.7	1.664	2.523	13.6	17.5
12 7	5 11.72	−11 17.3	1.661	2.538	12.6	17.5
12 17	5 1.10	−10 31.1	1.683	2.552	12.8	17.5
12 27	4 51.55	− 9 13.7	1.729	2.565	14.1	17.6
1 6	4 44.02	− 7 31.7	1.798	2.578	16.0	17.8
1 16	4 39.07	− 5 32.8	1.887	2.590	17.9	18.0

358793 2008 EE_{25} 12 10.0 209°.05 3°.1/10.7 17

11 7	5 37.31	+32 26.5	2.473	3.284	11.5	22.0
11 17	5 30.65	+32 54.3	2.387	3.278	8.8	21.8
11 27	5 21.86	+33 14.5	2.326	3.272	5.8	21.6
12 7	5 11.68	+33 24.5	2.294	3.266	3.4	21.4
12 17	5 1.08	+33 23.2	2.293	3.259	3.9	21.4
12 27	4 51.17	+33 11.4	2.321	3.251	6.7	21.6
1 6	4 42.89	+32 51.9	2.377	3.243	9.6	21.8
1 16	4 36.93	+32 28.6	2.458	3.235	12.3	21.9

69830 1998 RA_{75} 12 10.0 355°.11 8°.2/11.1 18

11 7	5 38.15	+39 34.2	1.442	2.266	17.5	18.0
11 17	5 32.84	+40 43.5	1.374	2.262	14.2	17.8
11 27	5 23.80	+41 36.4	1.328	2.259	10.8	17.6
12 7	5 12.21	+42 5.3	1.305	2.257	8.5	17.4
12 17	4 59.86	+42 5.5	1.307	2.255	8.8	17.4
12 27	4 48.88	+41 38.8	1.334	2.255	11.4	17.6
1 6	4 40.96	+40 52.5	1.383	2.255	14.8	17.8
1 16	4 37.04	+39 55.8	1.453	2.256	18.0	18.0

31862 Garfinkle 12 10.0 68°.83 3°.1/ 9.9 18 R

11 7	5 38.35	+14 39.2	1.410	2.256	16.7	18.3
11 17	5 31.95	+14 46.7	1.357	2.271	12.4	18.1
11 27	5 22.76	+15 1.4	1.327	2.286	7.6	17.9
12 7	5 11.88	+15 23.3	1.322	2.301	3.5	17.7
12 17	5 0.74	+15 51.9	1.344	2.316	5.0	17.8
12 27	4 50.88	+16 26.5	1.394	2.332	9.4	18.1
1 6	4 43.46	+17 6.2	1.468	2.347	13.6	18.4
1 16	4 39.16	+17 50.1	1.564	2.362	17.2	18.6

275660 2000 KO_{79} 12 10.0 147°.62 3°.2/ 9.5 18

11 7	5 37.54	+13 52.4	2.096	2.921	12.8	21.8
11 17	5 30.62	+13 36.1	2.031	2.932	9.5	21.6
11 27	5 21.71	+13 24.3	1.990	2.943	6.1	21.4
12 7	5 11.61	+13 18.0	1.979	2.954	3.4	21.3
12 17	5 1.31	+13 18.4	1.997	2.963	4.4	21.4
12 27	4 51.86	+13 26.2	2.045	2.972	7.7	21.6
1 6	4 44.12	+13 41.4	2.121	2.979	10.9	21.8
1 16	4 38.65	+14 3.6	2.220	2.987	13.8	22.0

305727 2009 CF_{37} 12 10.0 242°.53 0°.4/ 9.9 18

11 7	5 36.36	+21 27.6	2.070	2.902	12.6	21.4
11 17	5 30.15	+21 34.3	1.980	2.889	9.3	21.2
11 27	5 21.67	+21 40.3	1.915	2.876	5.5	21.0
12 7	5 11.65	+21 45.1	1.879	2.862	1.4	20.6
12 17	5 1.13	+21 48.3	1.872	2.848	3.1	20.7
12 27	4 51.27	+21 50.9	1.895	2.834	7.3	21.0
1 6	4 43.11	+21 54.4	1.945	2.819	11.1	21.2
1 16	4 37.39	+22 0.3	2.019	2.803	14.3	21.4

171613 2000 AZ_{257} 12 10.0 278°.35 7°.9/ 7.9 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
11 7	5 33.03	+ 3 49.0	1.906	2.723	14.1	20.0
11 17	5 27.73	+ 2 42.6	1.821	2.704	11.5	19.8
11 27	5 20.25	+ 1 46.6	1.760	2.684	9.1	19.6
12 7	5 11.32	+ 1 6.4	1.724	2.664	7.9	19.5
12 17	5 1.91	+ 0 46.2	1.716	2.644	8.8	19.5
12 27	4 53.12	+ 0 48.2	1.734	2.623	11.3	19.6
1 6	4 45.94	+ 1 11.5	1.775	2.603	14.2	19.7
1 16	4 41.09	+ 1 53.2	1.838	2.582	17.0	19.9

357411 2003 WU_{126} 12 10.0 7°.97 4°.0/ 9.7 17

11 7	5 36.23	+24 30.7	1.090	1.957	18.9	19.2
11 17	5 31.70	+26 29.4	1.034	1.959	14.2	18.9
11 27	5 23.28	+28 31.0	1.000	1.962	8.8	18.7
12 7	5 12.13	+30 25.7	0.989	1.968	4.3	18.4
12 17	5 0.09	+32 3.9	1.003	1.976	6.1	18.6
12 27	4 49.41	+33 20.5	1.042	1.985	11.1	18.9
1 6	4 41.94	+34 16.8	1.104	1.997	15.9	19.2
1 16	4 38.69	+34 57.4	1.184	2.010	20.0	19.5

61552 2000 QT_{71} 12 10.1 191°.32 0°.3/10.1 18

11 7	5 38.02	+24 13.8	1.986	2.816	13.1	20.0
11 17	5 31.33	+24 7.5	1.908	2.815	9.7	19.8
11 27	5 22.30	+23 57.1	1.854	2.814	5.7	19.5
12 7	5 11.79	+23 42.2	1.828	2.811	1.4	19.2
12 17	5 0.93	+23 23.3	1.832	2.809	3.1	19.4
12 27	4 50.95	+23 2.5	1.866	2.805	7.3	19.6
1 6	4 42.86	+22 42.6	1.927	2.801	11.1	19.9
1 16	4 37.35	+22 26.3	2.012	2.797	14.4	20.1

68259 2001 DC_{104} 12 10.1 114°.19 0°.8/10.2 18

11 7	5 34.38	+25 37.8	2.329	3.157	11.5	19.7
11 17	5 28.32	+25 39.3	2.260	3.167	8.5	19.6
11 27	5 20.38	+25 36.8	2.217	3.176	5.0	19.4
12 7	5 11.32	+25 29.5	2.202	3.185	1.5	19.1
12 17	5 2.05	+25 17.9	2.217	3.194	2.7	19.2
12 27	4 53.56	+25 3.2	2.263	3.202	6.2	19.5
1 6	4 46.67	+24 47.9	2.336	3.211	9.4	19.7
1 16	4 41.91	+24 34.1	2.434	3.219	12.2	19.9

278703 2008 RP_{143} 12 10.1 134°.27 0°.8/ 9.9 18

11 7	5 38.51	+21 11.8	1.898	2.730	13.6	22.5
11 17	5 31.57	+21 2.2	1.834	2.743	9.9	22.3
11 27	5 22.36	+20 51.0	1.795	2.755	5.8	22.0
12 7	5 11.80	+20 38.6	1.783	2.767	1.5	21.8
12 17	5 1.03	+20 25.7	1.802	2.777	3.3	21.9
12 27	4 51.27	+20 14.0	1.850	2.788	7.5	22.2
1 6	4 43.49	+20 5.6	1.925	2.797	11.2	22.5
1 16	4 38.29	+20 2.2	2.023	2.806	14.3	22.7

449710 2014 MS_{35} 12 10.1 190°.01 0°.6/10.2 18

11 7	5 36.35	+25 18.4	2.083	2.913	12.6	21.7
11 17	5 30.02	+25 10.4	2.005	2.912	9.3	21.5
11 27	5 21.50	+24 57.6	1.952	2.911	5.5	21.2
12 7	5 11.61	+24 39.6	1.927	2.910	1.5	20.9
12 17	5 1.41	+24 17.0	1.932	2.908	2.9	21.0
12 27	4 52.05	+23 52.1	1.966	2.906	6.9	21.3
1 6	4 44.49	+23 27.6	2.028	2.904	10.6	21.5
1 16	4 39.35	+23 6.3	2.114	2.901	13.7	21.7

293797 2007 RP_{142} 12 10.1 42°.99 3°.7/ 9.6 17

11 7	5 38.86	+15 54.8	1.207	2.062	18.3	19.6
11 17	5 32.12	+15 25.0	1.183	2.101	13.4	19.5
11 27	5 22.63	+15 1.0	1.180	2.141	8.1	19.3
12 7	5 11.81	+14 45.0	1.202	2.180	4.0	19.2
12 17	5 1.24	+14 38.4	1.250	2.221	5.5	19.4
12 27	4 52.41	+14 42.2	1.324	2.261	9.8	19.7
1 6	4 46.31	+14 56.1	1.421	2.302	13.9	20.1
1 16	4 43.35	+15 18.7	1.539	2.342	17.2	20.4

487538 2014 UN_{184} 12 10.1 112°.30 6°.6/11.4 17

11 7	5 39.35	+42 20.8	2.305	3.090	13.0	21.1
11 17	5 32.56	+43 15.3	2.233	3.093	10.7	21.0
11 27	5 23.15	+43 55.7	2.185	3.095	8.4	20.8
12 7	5 12.04	+44 17.3	2.162	3.098	6.8	20.7
12 17	5 0.46	+44 17.7	2.168	3.101	6.9	20.8
12 27	4 49.81	+43 58.0	2.202	3.103	8.6	20.9
1 6	4 41.27	+43 22.7	2.261	3.106	10.9	21.0
1 16	4 35.57	+42 37.9	2.344	3.109	13.2	21.2

493077 2014 SQ_{307} 12 10.1 94°.11 3°.4/ 9.1 18

11 7	5 31.83	+13 54.7	2.332	3.162	11.4	21.5
11 17	5 26.31	+13 12.0	2.267	3.171	8.6	21.4
11 27	5 19.15	+12 32.5	2.228	3.180	5.6	21.2
12 7	5 11.04	+11 58.5	2.217	3.189	3.5	21.1
12 17	5 2.78	+11 32.1	2.237	3.199	4.5	21.2
12 27	4 55.23	+11 15.0	2.285	3.208	7.2	21.4
1 6	4 49.10	+11 7.8	2.361	3.216	10.1	21.6
1 16	4 44.88	+11 10.2	2.460	3.225	12.6	21.7

258694 2002 GM_3 12 10.1 174°.22 5°.6/10.7 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
11 7	5 44.25	+34 38.4	1.646	2.464	16.0	20.5
11 17	5 36.77	+35 37.8	1.575	2.466	12.5	20.3
11 27	5 25.90	+36 25.9	1.526	2.468	8.7	20.1
12 7	5 12.73	+36 56.4	1.504	2.469	5.9	19.9
12 17	4 58.90	+37 5.6	1.510	2.470	6.4	19.9
12 27	4 46.29	+36 54.4	1.544	2.470	9.7	20.1
1 6	4 36.43	+36 28.7	1.602	2.470	13.3	20.4
1 16	4 30.21	+35 55.7	1.683	2.469	16.7	20.6

191471 2003 SE_{289} 12 10.1 102°.28 5°.4/ 8.9 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 31.52	+ 6 36.0	2.313	3.130	12.0	20.5
11 17	5 26.10	+ 5 59.7	2.249	3.138	9.4	20.4
11 27	5 19.04	+ 5 32.3	2.211	3.145	6.9	20.2
12 7	5 11.02	+ 5 16.4	2.200	3.152	5.5	20.1
12 17	5 2.81	+ 5 13.7	2.218	3.160	6.2	20.2
12 27	4 55.28	+ 5 24.8	2.264	3.167	8.3	20.4
1 6	4 49.13	+ 5 48.7	2.336	3.174	10.8	20.5
1 16	4 44.87	+ 6 23.6	2.431	3.181	13.1	20.7

229824 2008 UQ_1 12 10.1 126°.30 2°.0/ 9.7 17

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 31.89	+16 33.5	2.422	3.253	11.0	20.1
11 17	5 26.43	+16 24.7	2.348	3.255	8.2	19.9
11 27	5 19.27	+16 18.2	2.300	3.258	5.0	19.7
12 7	5 11.09	+16 14.7	2.281	3.261	2.2	19.5
12 17	5 2.68	+16 14.8	2.292	3.263	3.3	19.6
12 27	4 54.89	+16 19.4	2.333	3.266	6.5	19.8
1 6	4 48.48	+16 28.9	2.401	3.268	9.5	20.0
1 16	4 43.96	+16 43.4	2.494	3.271	12.1	20.2

495330 2014 KL_{88} 12 10.1 57°.75 7°.5/ 9.6 17

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 34.42	+ 3 5.5	1.722	2.541	15.3	21.0
11 17	5 28.67	+ 2 41.8	1.665	2.550	12.3	20.9
11 27	5 20.71	+ 2 34.0	1.631	2.559	9.4	20.7
12 7	5 11.44	+ 2 45.0	1.622	2.569	7.6	20.6
12 17	5 1.94	+ 3 16.1	1.640	2.578	8.2	20.7
12 27	4 53.36	+ 4 6.0	1.684	2.588	10.6	20.9
1 6	4 46.66	+ 5 11.3	1.753	2.598	13.5	21.1
1 16	4 42.44	+ 6 27.6	1.844	2.608	16.2	21.3

202810 2008 SE_{42} 12 10.1 94°.35 0°.2/10.0 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 33.77	+23 6.5	2.360	3.190	11.3	21.0
11 17	5 27.76	+22 54.3	2.297	3.205	8.3	20.8
11 27	5 20.01	+22 39.4	2.260	3.221	4.8	20.6
12 7	5 11.25	+22 22.2	2.252	3.236	1.1	20.4
12 17	5 2.37	+22 3.4	2.275	3.251	2.6	20.5
12 27	4 54.28	+21 44.9	2.327	3.266	6.1	20.8
1 6	4 47.73	+21 28.5	2.408	3.281	9.2	21.0
1 16	4 43.21	+21 15.8	2.513	3.295	11.9	21.2

485007 2009 VG_{90} 12 10.1 216°.23 0°.9/10.3 17

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 33.85	+27 15.6	2.305	3.133	11.6	21.0
11 17	5 28.01	+26 55.4	2.226	3.132	8.6	20.8
11 27	5 20.25	+26 29.0	2.172	3.131	5.1	20.6
12 7	5 11.33	+25 56.1	2.147	3.130	1.6	20.3
12 17	5 2.18	+25 18.2	2.152	3.129	2.7	20.4
12 27	4 53.80	+24 37.7	2.187	3.128	6.3	20.7
1 6	4 47.03	+23 57.8	2.250	3.126	9.7	20.9
1 16	4 42.43	+23 21.6	2.338	3.125	12.5	21.1

227241 2005 SU_{34} 12 10.1 323°.31 3°.8/10.2 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 36.11	+27 52.9	1.239	2.096	17.8	20.0
11 17	5 31.62	+28 49.8	1.157	2.076	13.5	19.7
11 27	5 23.34	+29 43.8	1.096	2.057	8.6	19.4
12 7	5 12.23	+30 28.8	1.059	2.038	4.2	19.0
12 17	4 59.94	+30 59.9	1.047	2.020	5.6	19.1
12 27	4 48.63	+31 15.9	1.059	2.004	10.8	19.3
1 6	4 40.22	+31 20.2	1.094	1.988	16.0	19.6
1 16	4 35.90	+31 18.3	1.148	1.973	20.5	19.8

157795 1995 CE_3 12 10.1 166°.76 5°.1/ 8.9 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 31.13	+ 3 43.7	2.950	3.748	10.1	21.4
11 17	5 25.54	+ 3 17.1	2.880	3.753	8.1	21.2
11 27	5 18.64	+ 2 59.3	2.835	3.757	6.2	21.1
12 7	5 10.94	+ 2 52.3	2.820	3.760	5.2	21.1
12 17	5 3.08	+ 2 57.3	2.834	3.763	5.7	21.1
12 27	4 55.72	+ 3 14.5	2.877	3.766	7.3	21.2
1 6	4 49.44	+ 3 43.0	2.947	3.768	9.3	21.3
1 16	4 44.68	+ 4 21.1	3.042	3.770	11.2	21.5

238282 2003 WP_{116} 12 10.1 14°.16 1°.3/10.3 17

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 33.16	+26 9.1	1.892	2.732	13.3	20.3
11 17	5 27.89	+26 20.1	1.823	2.735	9.8	20.1
11 27	5 20.35	+26 26.6	1.778	2.739	5.9	19.9
12 7	5 11.38	+26 27.3	1.760	2.743	1.9	19.7
12 17	5 2.09	+26 22.1	1.771	2.747	3.2	19.8
12 27	4 53.70	+26 12.4	1.810	2.753	7.2	20.0
1 6	4 47.18	+26 0.8	1.875	2.758	10.9	20.3
1 16	4 43.20	+25 50.0	1.963	2.764	14.1	20.5

260245 2004 RC_{328} 12 10.1 53°.77 1°.4/10.5 17

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
11 7	5 34.91	+28 8.2	1.958	2.791	13.2	20.9
11 17	5 29.02	+27 56.8	1.892	2.800	9.8	20.7
11 27	5 20.91	+27 38.2	1.850	2.809	5.9	20.4
12 7	5 11.50	+27 11.8	1.836	2.818	2.1	20.2
12 17	5 1.90	+26 38.8	1.852	2.828	3.1	20.3
12 27	4 53.28	+26 1.8	1.896	2.837	7.0	20.6
1 6	4 46.59	+25 24.8	1.967	2.847	10.6	20.8
1 16	4 42.39	+24 51.0	2.061	2.857	13.7	21.0

260064 2004 HL_{40} 12 10.1 106°.74 1°.9/10.5 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 36.73	+28 20.3	2.021	2.849	13.0	21.2
11 17	5 30.36	+28 32.2	1.954	2.858	9.7	21.0
11 27	5 21.72	+28 37.6	1.911	2.867	5.9	20.8
12 7	5 11.70	+28 35.0	1.896	2.876	2.4	20.6
12 17	5 1.43	+28 24.2	1.911	2.885	3.4	20.6
12 27	4 52.10	+28 6.8	1.954	2.894	7.0	20.9
1 6	4 44.69	+27 46.1	2.025	2.902	10.5	21.1
1 16	4 39.82	+27 25.5	2.120	2.910	13.5	21.3

517417 2014 MP_3 12 10.1 139°.76 2°.9/ 9.8 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 36.20	+13 27.1	2.037	2.865	13.0	21.7
11 17	5 29.82	+13 35.9	1.967	2.871	9.7	21.5
11 27	5 21.37	+13 50.8	1.923	2.877	6.1	21.3
12 7	5 11.63	+14 12.1	1.906	2.883	3.2	21.1
12 17	5 1.59	+14 39.5	1.920	2.889	4.2	21.2
12 27	4 52.32	+15 12.6	1.963	2.894	7.6	21.4
1 6	4 44.76	+15 50.7	2.033	2.899	11.0	21.6
1 16	4 39.50	+16 32.8	2.127	2.904	14.0	21.9

12249 1988 SH_2 12 10.1 92°.55 2°.8/ 9.7 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 33.85	+13 44.9	2.188	3.017	12.1	17.5
11 17	5 27.94	+13 46.3	2.123	3.028	9.0	17.3
11 27	5 20.19	+13 52.7	2.084	3.039	5.7	17.2
12 7	5 11.34	+14 4.9	2.073	3.049	3.0	17.0
12 17	5 2.27	+14 22.9	2.092	3.060	4.0	17.1
12 27	4 53.95	+14 46.7	2.141	3.071	7.1	17.3
1 6	4 47.17	+15 15.9	2.216	3.081	10.3	17.5
1 16	4 42.48	+15 49.8	2.316	3.092	13.0	17.7

516532 2006 SK_{100} 12 10.1 254°.89 3°.3/ 9.3 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 33.98	+15 10.6	1.936	2.772	13.2	21.7
11 17	5 28.38	+14 39.2	1.857	2.765	9.9	21.5
11 27	5 20.61	+14 10.7	1.802	2.758	6.3	21.3
12 7	5 11.47	+13 47.0	1.775	2.751	3.4	21.1
12 17	5 1.96	+13 30.3	1.776	2.744	4.7	21.1
12 27	4 53.20	+13 22.3	1.806	2.736	8.3	21.3
1 6	4 46.15	+13 23.8	1.863	2.729	11.9	21.5
1 16	4 41.47	+13 35.0	1.941	2.721	15.0	21.7

132563 2002 JE_{95} 12 10.1 189°.02 1°.4/10.3 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 38.03	+26 59.0	2.207	3.030	12.3	21.7
11 17	5 31.24	+27 12.3	2.127	3.029	9.1	21.5
11 27	5 22.26	+27 20.6	2.071	3.028	5.5	21.2
12 7	5 11.86	+27 22.4	2.045	3.026	2.0	21.0
12 17	5 1.10	+27 17.1	2.048	3.023	3.1	21.1
12 27	4 51.11	+27 6.0	2.082	3.020	6.8	21.3
1 6	4 42.88	+26 51.8	2.144	3.017	10.2	21.5
1 16	4 37.07	+26 37.4	2.230	3.012	13.2	21.7

269132 2007 RZ_{133} 12 10.1 22°.54 24°.3/ 3.7 17

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 34.10	−15 43.8	0.905	1.706	27.1	19.3
11 17	5 29.76	−19 10.4	0.883	1.710	25.5	19.2
11 27	5 21.85	−21 47.7	0.876	1.714	24.5	19.1
12 7	5 11.79	−23 19.9	0.882	1.719	24.4	19.1
12 17	5 1.41	−23 39.5	0.903	1.725	25.0	19.2
12 27	4 52.67	−22 49.5	0.936	1.732	26.3	19.3
1 6	4 47.00	−21 1.9	0.981	1.739	27.7	19.5
1 16	4 45.10	−18 32.2	1.037	1.747	29.3	19.7

330489 2007 GS_{63} 12 10.1 347°.98 2°.1/10.4 17

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 34.98	+28 35.4	2.142	2.970	12.4	21.4
11 17	5 29.11	+28 57.5	2.066	2.970	9.3	21.2
11 27	5 21.05	+29 13.9	2.014	2.969	5.8	20.9
12 7	5 11.58	+29 22.7	1.990	2.969	2.6	20.7
12 17	5 1.75	+29 23.1	1.995	2.969	3.4	20.8
12 27	4 52.69	+29 16.0	2.030	2.968	6.9	21.0
1 6	4 45.39	+29 4.2	2.092	2.968	10.3	21.2
1 16	4 40.50	+28 50.7	2.177	2.968	13.2	21.4

181368 2006 SS_3 12 10.1 42°.48 7°.0/ 8.9 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 33.23	+ 7 31.5	1.561	2.399	15.7	19.6
11 17	5 27.91	+ 6 34.3	1.513	2.413	12.3	19.4
11 27	5 20.31	+ 5 48.7	1.487	2.427	9.0	19.3
12 7	5 11.39	+ 5 19.4	1.485	2.442	7.1	19.2
12 17	5 2.33	+ 5 9.3	1.511	2.458	8.0	19.3
12 27	4 54.34	+ 5 19.0	1.562	2.474	10.8	19.5
1 6	4 48.36	+ 5 46.5	1.637	2.490	13.9	19.7
1 16	4 44.96	+ 6 28.5	1.732	2.506	16.8	20.0

513618 2011 HW_{68} 12 10.1 109°.33 0°.1/10.1 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
11 7	5 39.54	+22 50.4	1.779	2.613	14.3	21.9
11 17	5 32.48	+22 59.0	1.721	2.631	10.5	21.7
11 27	5 22.99	+23 5.3	1.687	2.648	6.1	21.5
12 7	5 12.04	+23 8.3	1.680	2.664	1.5	21.2
12 17	5 0.90	+23 7.9	1.704	2.680	3.2	21.4
12 27	4 50.88	+23 5.4	1.756	2.696	7.6	21.7
1 6	4 43.01	+23 3.0	1.835	2.711	11.5	22.0
1 16	4 37.90	+23 3.0	1.936	2.726	14.7	22.2

285384 1999 TG_{161} 12 10.1 28°.50 5°.4/ 8.5 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 31.97	+ 9 56.6	2.007	2.838	13.0	19.8
11 17	5 26.71	+ 8 53.7	1.940	2.840	10.0	19.7
11 27	5 19.54	+ 7 57.0	1.898	2.842	7.1	19.5
12 7	5 11.23	+ 7 10.4	1.884	2.844	5.4	19.4
12 17	5 2.70	+ 6 37.2	1.897	2.846	6.4	19.5
12 27	4 54.94	+ 6 19.4	1.939	2.849	9.1	19.6
1 6	4 48.77	+ 6 17.4	2.005	2.851	12.0	19.8
1 16	4 44.75	+ 6 29.5	2.094	2.854	14.7	20.0

59103 1998 WF_{15} 12 10.1 80°.31 0°.6/10.0 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 36.63	+20 49.1	1.779	2.618	14.0	19.5
11 17	5 30.41	+20 59.3	1.718	2.630	10.3	19.3
11 27	5 21.81	+21 9.5	1.680	2.642	6.0	19.1
12 7	5 11.78	+21 19.0	1.670	2.653	1.5	18.8
12 17	5 1.49	+21 27.4	1.689	2.665	3.3	19.0
12 27	4 52.19	+21 35.6	1.736	2.677	7.6	19.3
1 6	4 44.91	+21 44.9	1.810	2.689	11.5	19.5
1 16	4 40.28	+21 56.6	1.907	2.700	14.7	19.8

384664 2011 FD_{33} 12 10.1 236°.62 1°.2/10.2 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 39.23	+25 17.1	1.799	2.632	14.2	22.2
11 17	5 32.69	+25 36.8	1.713	2.621	10.6	21.9
11 27	5 23.40	+25 53.2	1.650	2.610	6.4	21.7
12 7	5 12.22	+26 4.0	1.615	2.598	2.0	21.4
12 17	5 0.40	+26 7.8	1.609	2.586	3.5	21.4
12 27	4 49.41	+26 5.8	1.633	2.573	8.1	21.7
1 6	4 40.52	+26 0.4	1.682	2.560	12.3	21.9
1 16	4 34.55	+25 55.1	1.754	2.546	15.9	22.1

238117 2003 OR_{4} 12 10.1 54°.78 2°.4/ 9.7 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 38.08	+18 40.3	1.384	2.234	16.7	19.8
11 17	5 31.58	+18 11.3	1.345	2.262	12.2	19.6
11 27	5 22.44	+17 43.8	1.328	2.290	7.2	19.4
12 7	5 11.89	+17 19.5	1.337	2.319	2.8	19.3
12 17	5 1.39	+17 0.4	1.374	2.348	4.5	19.4
12 27	4 52.36	+16 48.8	1.437	2.376	9.1	19.8
1 6	4 45.83	+16 45.7	1.525	2.405	13.1	20.1
1 16	4 42.30	+16 51.6	1.634	2.434	16.5	20.4

483116 2015 NL_{11} 12 10.1 51°.64 2°.6/10.2 16

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 40.25	+13 56.7	1.352	2.196	17.3	20.3
11 17	5 33.38	+14 41.2	1.308	2.221	12.8	20.1
11 27	5 23.63	+15 34.8	1.287	2.247	7.8	19.9
12 7	5 12.21	+16 35.2	1.292	2.273	3.1	19.7
12 17	5 0.62	+17 39.1	1.324	2.299	4.5	19.8
12 27	4 50.44	+18 43.9	1.385	2.325	9.2	20.2
1 6	4 42.86	+19 47.6	1.470	2.352	13.4	20.5
1 16	4 38.50	+20 49.4	1.577	2.378	16.9	20.8

391962 2008 WA_{99} 12 10.1 104°.66 4°.1/10.6 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 41.10	+31 38.6	1.672	2.499	15.3	21.4
11 17	5 34.17	+32 27.1	1.608	2.508	11.7	21.1
11 27	5 24.25	+33 6.6	1.568	2.517	7.7	20.9
12 7	5 12.40	+33 32.5	1.553	2.526	4.5	20.8
12 17	5 0.10	+33 42.0	1.567	2.535	5.2	20.8
12 27	4 49.00	+33 36.7	1.610	2.543	8.7	21.1
1 6	4 40.40	+33 20.8	1.677	2.552	12.5	21.3
1 16	4 35.08	+33 0.0	1.767	2.560	15.7	21.5

9133 d′Arrest 12 10.1 58°.44 5°.7/ 8.6 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 35.24	+12 9.2	1.559	2.401	15.5	17.9
11 17	5 29.33	+10 50.4	1.511	2.419	11.8	17.7
11 27	5 21.10	+ 9 37.9	1.486	2.436	8.0	17.6
12 7	5 11.59	+ 8 36.9	1.488	2.454	5.8	17.5
12 17	5 2.02	+ 7 51.8	1.517	2.472	7.0	17.6
12 27	4 53.62	+ 7 25.3	1.573	2.490	10.3	17.8
1 6	4 47.33	+ 7 17.3	1.653	2.509	13.7	18.1
1 16	4 43.68	+ 7 25.9	1.753	2.527	16.6	18.3

255861 2006 ST_{169} 12 10.1 234°.77 5°.1/ 8.6 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 33.75	+10 4.4	2.096	2.922	12.7	21.0
11 17	5 28.05	+ 9 11.0	2.016	2.913	9.8	20.8
11 27	5 20.38	+ 8 23.1	1.960	2.904	6.9	20.6
12 7	5 11.46	+ 7 44.1	1.933	2.894	5.2	20.5
12 17	5 2.20	+ 7 17.3	1.934	2.884	6.2	20.5
12 27	4 53.62	+ 7 4.5	1.963	2.874	8.9	20.7
1 6	4 46.58	+ 7 6.1	2.019	2.864	12.0	20.8
1 16	4 41.69	+ 7 21.1	2.096	2.853	14.8	21.0

481410 2006 SG_{405} 12 10.1 337°.14 2°.8/ 9.2 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
11 7	5 33.24	+19 8.6	1.662	2.510	14.4	20.6
11 17	5 28.12	+18 5.8	1.587	2.504	10.7	20.4
11 27	5 20.58	+17 0.5	1.536	2.497	6.5	20.1
12 7	5 11.53	+15 56.0	1.511	2.491	3.0	19.9
12 17	5 2.13	+14 56.6	1.515	2.486	4.8	20.0
12 27	4 53.68	+14 6.8	1.546	2.481	9.0	20.2
1 6	4 47.23	+13 29.7	1.602	2.476	13.0	20.5
1 16	4 43.43	+13 6.7	1.680	2.472	16.5	20.7

474645 2004 XS_{32} 12 10.1 31°.42 0°.8/ 9.9 17

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 35.40	+23 8.6	1.212	2.074	17.7	19.9
11 17	5 30.19	+22 36.8	1.164	2.088	13.0	19.7
11 27	5 21.89	+22 0.5	1.137	2.103	7.6	19.4
12 7	5 11.83	+21 21.4	1.135	2.119	1.9	19.1
12 17	5 1.62	+20 42.5	1.158	2.135	4.2	19.3
12 27	4 52.94	+20 8.1	1.207	2.153	9.5	19.7
1 6	4 47.00	+19 41.8	1.279	2.172	14.2	20.0
1 16	4 44.39	+19 25.6	1.371	2.191	18.1	20.3

513590 2011 CW_{54} 12 10.1 8°.05 3°.9/10.8 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 37.69	+31 5.7	1.181	2.036	18.6	21.3
11 17	5 32.52	+31 22.6	1.120	2.036	14.2	21.0
11 27	5 23.63	+31 27.1	1.079	2.037	9.1	20.7
12 7	5 12.31	+31 15.3	1.060	2.039	4.6	20.5
12 17	5 0.47	+30 46.4	1.067	2.041	5.4	20.5
12 27	4 50.19	+30 4.7	1.099	2.045	10.3	20.8
1 6	4 43.08	+29 17.6	1.153	2.049	15.2	21.1
1 16	4 39.94	+28 32.3	1.227	2.053	19.3	21.4

189998 2004 HX_{6} 12 10.1 155°.34 0°.7/ 9.9 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 39.11	+20 58.6	1.986	2.815	13.2	21.5
11 17	5 32.05	+20 58.1	1.917	2.824	9.7	21.3
11 27	5 22.74	+20 56.7	1.872	2.832	5.7	21.1
12 7	5 12.04	+20 54.0	1.856	2.839	1.5	20.8
12 17	5 1.07	+20 50.3	1.870	2.845	3.2	20.9
12 27	4 51.01	+20 47.0	1.913	2.851	7.3	21.2
1 6	4 42.85	+20 45.6	1.985	2.856	11.0	21.5
1 16	4 37.22	+20 47.9	2.080	2.860	14.1	21.7

291223 2006 BM_{5} 12 10.1 323°.39 6°.6/ 9.4 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 34.29	+ 8 21.4	1.424	2.267	16.7	20.2
11 17	5 29.26	+ 7 55.1	1.352	2.258	13.0	20.0
11 27	5 21.46	+ 7 41.3	1.301	2.249	9.3	19.7
12 7	5 11.79	+ 7 43.7	1.275	2.240	6.7	19.6
12 17	5 1.55	+ 8 4.5	1.274	2.232	7.7	19.6
12 27	4 52.24	+ 8 43.7	1.299	2.224	11.3	19.8
1 6	4 45.11	+ 9 38.8	1.348	2.217	15.3	20.0
1 16	4 40.98	+10 46.0	1.416	2.210	18.9	20.2

388269 2006 QF_{120} 12 10.1 141°.13 4°.7/ 8.9 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 34.87	+ 8 16.8	2.456	3.268	11.5	22.2
11 17	5 28.43	+ 7 39.9	2.394	3.282	8.9	22.1
11 27	5 20.41	+ 7 10.2	2.358	3.296	6.3	21.9
12 7	5 11.46	+ 6 50.0	2.351	3.308	4.8	21.9
12 17	5 2.38	+ 6 40.9	2.374	3.320	5.5	21.9
12 27	4 54.01	+ 6 43.7	2.427	3.332	7.7	22.1
1 6	4 47.03	+ 6 57.9	2.506	3.342	10.3	22.3
1 16	4 41.93	+ 7 22.1	2.610	3.352	12.5	22.5

256821 2008 CV_{135} 12 10.1 193°.49 2°.0/ 9.7 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 34.38	+17 30.1	2.080	2.914	12.5	21.0
11 17	5 28.56	+17 20.1	2.005	2.913	9.2	20.7
11 27	5 20.70	+17 11.8	1.954	2.913	5.6	20.5
12 7	5 11.56	+17 6.1	1.931	2.912	2.3	20.3
12 17	5 2.11	+17 3.6	1.938	2.910	3.6	20.4
12 27	4 53.39	+17 5.6	1.974	2.909	7.3	20.6
1 6	4 46.31	+17 12.7	2.037	2.908	10.8	20.8
1 16	4 41.48	+17 25.4	2.123	2.906	13.8	21.0

35466 1998 DO_{34} 12 10.1 182°.40 3°.9/ 9.3 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 35.72	+11 29.2	2.256	3.076	12.1	20.1
11 17	5 29.33	+11 4.6	2.180	3.077	9.2	19.9
11 27	5 21.07	+10 45.6	2.130	3.077	6.2	19.8
12 7	5 11.65	+10 33.9	2.108	3.077	4.0	19.6
12 17	5 1.95	+10 31.0	2.117	3.076	4.9	19.7
12 27	4 52.94	+10 37.8	2.155	3.074	7.8	19.9
1 6	4 45.45	+10 54.0	2.221	3.072	10.8	20.0
1 16	4 40.03	+11 19.0	2.310	3.069	13.5	20.2

413771 2006 FW_{27} 12 10.1 5°.15 4°.6/ 8.8 17

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 31.13	+11 30.5	2.053	2.887	12.6	20.8
11 17	5 26.11	+10 40.0	1.984	2.887	9.6	20.6
11 27	5 19.23	+ 9 54.8	1.940	2.888	6.6	20.4
12 7	5 11.21	+ 9 17.9	1.922	2.888	4.7	20.3
12 17	5 2.96	+ 8 52.1	1.933	2.889	5.7	20.4
12 27	4 55.43	+ 8 39.3	1.973	2.891	8.5	20.6
1 6	4 49.44	+ 8 39.7	2.038	2.892	11.5	20.8
1 16	4 45.55	+ 8 52.4	2.125	2.894	14.2	20.9

406736 2008 GA_{142} 12 10.1 210°.81 5°.4/ 8.7 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
11 7	5 32.98	+ 7 24.5	2.320	3.136	12.0	21.3
11 17	5 27.31	+ 6 40.8	2.243	3.131	9.4	21.2
11 27	5 19.90	+ 6 4.7	2.191	3.126	6.9	21.0
12 7	5 11.40	+ 5 39.1	2.167	3.121	5.4	20.9
12 17	5 2.61	+ 5 26.3	2.172	3.115	6.2	20.9
12 27	4 54.44	+ 5 27.6	2.205	3.108	8.5	21.1
1 6	4 47.65	+ 5 42.6	2.265	3.102	11.2	21.2
1 16	4 42.79	+ 6 9.6	2.347	3.094	13.6	21.4

160882 2001 PC_{29} 12 10.1 199°.77 0°.7/10.3 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 32.82	+26 6.9	2.756	3.579	10.1	20.1
11 17	5 27.09	+26 1.8	2.673	3.577	7.4	19.9
11 27	5 19.72	+25 52.6	2.616	3.574	4.4	19.7
12 7	5 11.35	+25 38.8	2.588	3.571	1.3	19.5
12 17	5 2.74	+25 21.0	2.592	3.568	2.3	19.6
12 27	4 54.72	+25 0.6	2.626	3.565	5.5	19.8
1 6	4 48.00	+24 39.6	2.688	3.561	8.4	20.0
1 16	4 43.11	+24 20.0	2.776	3.557	10.9	20.2

305761 2009 DR_{24} 12 10.1 195°.88 4°.2/10.9 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 39.18	+34 20.7	2.074	2.887	13.3	21.4
11 17	5 32.46	+34 53.3	1.996	2.886	10.3	21.2
11 27	5 23.17	+35 15.8	1.941	2.884	7.1	21.0
12 7	5 12.22	+35 24.6	1.914	2.882	4.5	20.8
12 17	5 0.81	+35 18.1	1.916	2.879	4.9	20.8
12 27	4 50.31	+34 57.7	1.947	2.877	7.8	21.0
1 6	4 41.86	+34 27.6	2.005	2.874	11.0	21.2
1 16	4 36.18	+33 52.9	2.087	2.871	13.9	21.4

473648 2015 XC_{330} 12 10.1 94°.42 0°.4/10.2 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 34.92	+24 38.6	2.114	2.946	12.4	21.1
11 17	5 28.93	+24 35.8	2.046	2.955	9.1	20.9
11 27	5 20.89	+24 29.4	2.004	2.964	5.3	20.7
12 7	5 11.64	+24 18.8	1.989	2.973	1.4	20.4
12 17	5 2.16	+24 4.6	2.005	2.982	2.8	20.6
12 27	4 53.54	+23 48.5	2.050	2.990	6.6	20.8
1 6	4 46.64	+23 32.7	2.122	2.999	10.1	21.1
1 16	4 42.05	+23 19.7	2.218	3.007	13.0	21.3

256565 2007 RC_{291} 12 10.1 52°.71 3°.9/ 9.5 17

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 37.69	+16 24.6	1.208	2.065	18.1	20.6
11 17	5 31.96	+15 46.6	1.152	2.072	13.5	20.4
11 27	5 23.05	+15 12.2	1.118	2.079	8.4	20.1
12 7	5 12.20	+14 44.5	1.108	2.087	4.2	19.9
12 17	5 1.02	+14 26.2	1.123	2.095	5.9	20.0
12 27	4 51.26	+14 20.0	1.164	2.103	10.8	20.3
1 6	4 44.23	+14 26.6	1.228	2.111	15.4	20.6
1 16	4 40.65	+14 45.2	1.311	2.120	19.4	20.9

343331 2010 CY_{19} 12 10.1 346°.27 2°.9/10.7 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 37.98	+30 25.0	1.450	2.293	16.5	20.4
11 17	5 32.21	+30 27.0	1.380	2.290	12.4	20.1
11 27	5 23.26	+30 18.1	1.331	2.288	7.9	19.9
12 7	5 12.27	+29 55.7	1.307	2.287	3.6	19.6
12 17	5 0.80	+29 20.1	1.310	2.285	4.5	19.7
12 27	4 50.61	+28 35.1	1.340	2.284	9.1	19.9
1 6	4 43.07	+27 46.9	1.395	2.283	13.6	20.2
1 16	4 38.96	+27 1.3	1.470	2.283	17.4	20.4

402765 2007 BA_{33} 12 10.1 61°.02 1°.8/10.5 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 35.88	+28 35.3	1.902	2.735	13.5	20.9
11 17	5 29.88	+28 31.9	1.835	2.742	10.1	20.7
11 27	5 21.55	+28 21.1	1.792	2.749	6.2	20.4
12 7	5 11.82	+28 1.7	1.776	2.757	2.4	20.2
12 17	5 1.84	+27 34.4	1.789	2.765	3.3	20.3
12 27	4 52.87	+27 1.8	1.831	2.772	7.2	20.6
1 6	4 45.90	+26 27.8	1.900	2.780	10.9	20.8
1 16	4 41.54	+25 56.1	1.991	2.788	14.1	21.0

183146 2002 RH_{251} 12 10.1 226°.61 3°.7/ 9.4 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 37.65	+14 47.3	1.660	2.498	14.9	20.7
11 17	5 31.46	+14 17.5	1.582	2.491	11.3	20.5
11 27	5 22.65	+13 51.5	1.527	2.483	7.2	20.2
12 7	5 12.13	+13 31.5	1.498	2.475	3.9	20.0
12 17	5 1.11	+13 19.6	1.498	2.466	5.3	20.1
12 27	4 50.98	+13 17.8	1.526	2.457	9.4	20.3
1 6	4 42.90	+13 26.7	1.579	2.447	13.5	20.5
1 16	4 37.64	+13 46.1	1.654	2.437	17.0	20.7

487319 2014 QT_{129} 12 10.1 69°.20 5°.2/ 9.1 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 32.56	+ 8 36.6	2.049	2.875	12.9	21.0
11 17	5 27.08	+ 8 1.7	1.990	2.886	10.0	20.8
11 27	5 19.78	+ 7 35.3	1.955	2.896	7.1	20.7
12 7	5 11.39	+ 7 20.2	1.947	2.907	5.3	20.6
12 17	5 2.82	+ 7 17.9	1.967	2.918	6.1	20.7
12 27	4 55.04	+ 7 29.1	2.015	2.929	8.6	20.8
1 6	4 48.83	+ 7 52.8	2.090	2.940	11.5	21.0
1 16	4 44.72	+ 8 27.2	2.186	2.950	14.0	21.2

140590 2001 TR_{231} 12 10.1 78°.49 0°.2/10.1 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
11 7	5 35.52	+22 39.8	1.882	2.720	13.4	20.9
11 17	5 29.56	+22 35.7	1.817	2.729	9.9	20.7
11 27	5 21.36	+22 29.4	1.776	2.737	5.8	20.5
12 7	5 11.79	+22 20.6	1.762	2.746	1.4	20.2
12 17	5 1.97	+22 9.8	1.777	2.754	3.1	20.4
12 27	4 53.08	+21 58.9	1.821	2.763	7.3	20.6
1 6	4 46.11	+21 49.9	1.892	2.771	11.1	20.9
1 16	4 41.64	+21 44.7	1.986	2.779	14.2	21.1

28558 Kathcordwell 12 10.1 158°.64 0°.3/10.0 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 38.82	+22 48.1	1.827	2.660	14.0	18.9
11 17	5 32.06	+22 38.3	1.756	2.666	10.3	18.7
11 27	5 22.86	+22 25.5	1.710	2.671	6.0	18.5
12 7	5 12.16	+22 9.5	1.692	2.675	1.5	18.2
12 17	5 1.16	+21 51.2	1.703	2.679	3.3	18.3
12 27	4 51.15	+21 32.8	1.743	2.683	7.7	18.6
1 6	4 43.20	+21 17.0	1.810	2.686	11.6	18.8
1 16	4 37.96	+21 6.0	1.900	2.688	15.0	19.1

294602 2008 AR_5 12 10.1 347°.44 0°.7/10.0 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 35.39	+20 57.3	1.657	2.502	14.6	20.3
11 17	5 29.84	+20 59.8	1.584	2.500	10.8	20.1
11 27	5 21.71	+21 2.0	1.536	2.498	6.4	19.8
12 7	5 11.91	+21 3.7	1.513	2.497	1.7	19.5
12 17	5 1.67	+21 4.9	1.519	2.495	3.5	19.6
12 27	4 52.37	+21 6.8	1.552	2.494	8.2	19.9
1 6	4 45.15	+21 11.1	1.611	2.494	12.4	20.2
1 16	4 40.76	+21 19.3	1.692	2.493	16.0	20.4

359905 2011 WX_{82} 12 10.1 272°.17 0°.8/10.2 17

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 37.28	+23 9.1	1.925	2.758	13.4	21.2
11 17	5 31.18	+23 47.6	1.837	2.746	9.9	21.0
11 27	5 22.54	+24 26.1	1.774	2.734	5.9	20.7
12 7	5 12.14	+25 2.3	1.739	2.722	1.7	20.4
12 17	5 1.09	+25 34.0	1.733	2.710	3.2	20.5
12 27	4 50.72	+26 0.5	1.757	2.697	7.6	20.7
1 6	4 42.19	+26 23.0	1.808	2.685	11.6	20.9
1 16	4 36.33	+26 43.3	1.881	2.672	15.0	21.1

49271 1998 UG_{15} 12 10.1 223°.22 3°.0/ 9.8 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 37.68	+15 15.7	1.600	2.440	15.3	18.3
11 17	5 31.56	+15 12.0	1.526	2.437	11.5	18.1
11 27	5 22.75	+15 13.6	1.475	2.433	7.1	17.8
12 7	5 12.17	+15 21.4	1.450	2.429	3.4	17.6
12 17	5 1.09	+15 35.7	1.454	2.425	4.8	17.6
12 27	4 50.93	+15 57.0	1.485	2.421	9.1	17.9
1 6	4 42.91	+16 25.1	1.542	2.417	13.3	18.1
1 16	4 37.81	+16 59.5	1.620	2.412	17.0	18.4

273147 2006 HO_{28} 12 10.1 183°.18 6°.4/ 8.1 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 30.21	+ 0 40.9	2.814	3.606	10.7	21.5
11 17	5 25.01	− 0 9.7	2.745	3.606	8.8	21.4
11 27	5 18.46	− 0 50.0	2.701	3.606	7.2	21.3
12 7	5 11.08	− 1 17.0	2.685	3.606	6.4	21.2
12 17	5 3.52	− 1 28.6	2.696	3.605	6.9	21.3
12 27	4 56.47	− 1 24.2	2.736	3.604	8.4	21.4
1 6	4 50.51	− 1 4.6	2.802	3.603	10.3	21.5
1 16	4 46.10	− 0 31.8	2.890	3.602	12.1	21.6

449265 2013 EF_{15} 12 10.1 247°.46 1°.5/10.4 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 36.45	+27 8.3	1.897	2.730	13.5	21.7
11 17	5 30.45	+27 14.5	1.819	2.727	10.1	21.4
11 27	5 22.00	+27 15.0	1.765	2.724	6.1	21.2
12 7	5 11.98	+27 8.1	1.738	2.720	2.1	20.9
12 17	5 1.55	+26 53.9	1.741	2.717	3.3	21.0
12 27	4 52.00	+26 34.2	1.772	2.713	7.5	21.2
1 6	4 44.43	+26 12.3	1.830	2.710	11.3	21.5
1 16	4 39.53	+25 51.6	1.910	2.706	14.6	21.7

141337 2002 AO_2 12 10.1 338°.56 16°.3/ 2.9 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 35.32	+ 2 27.2	0.945	1.800	22.1	19.2
11 17	5 30.76	− 1 22.8	0.897	1.793	18.9	19.0
11 27	5 22.61	− 4 58.3	0.869	1.787	16.7	18.8
12 7	5 12.17	− 7 58.0	0.863	1.782	16.5	18.8
12 17	5 1.21	−10 4.8	0.877	1.777	18.4	18.9
12 27	4 51.73	−11 11.1	0.910	1.773	21.4	19.1
1 6	4 45.23	−11 21.1	0.959	1.770	24.6	19.3
1 16	4 42.53	−10 45.1	1.020	1.768	27.5	19.5

500759 2013 AN_{141} 12 10.1 199°.90 0°.7/10.3 17

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 45.51	+30 19.5	1.194	2.038	19.2	20.9
11 17	5 38.01	+28 53.1	1.124	2.037	14.4	20.6
11 27	5 26.70	+27 5.5	1.074	2.036	8.6	20.3
12 7	5 13.11	+24 59.2	1.051	2.034	2.3	19.9
12 17	4 59.26	+22 42.1	1.055	2.032	4.4	20.0
12 27	4 47.29	+20 27.1	1.087	2.030	10.7	20.4
1 6	4 38.69	+18 26.8	1.143	2.028	16.2	20.7
1 16	4 34.14	+16 48.6	1.219	2.026	20.7	21.0

8343 Tugendhat 12 10.1 22°.33 1°.1/ 9.9 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
11 7	5 34.06	+20 49.0	1.807	2.650	13.7	17.8
11 17	5 28.61	+20 36.3	1.738	2.652	10.1	17.6
11 27	5 20.86	+20 22.5	1.693	2.655	5.9	17.3
12 7	5 11.70	+20 8.4	1.675	2.658	1.7	17.1
12 17	5 2.22	+19 54.9	1.685	2.661	3.4	17.2
12 27	4 53.65	+19 43.8	1.724	2.665	7.7	17.5
1 6	4 46.98	+19 36.9	1.788	2.668	11.5	17.7
1 16	4 42.85	+19 35.7	1.876	2.672	14.8	17.9

460679 2014 UJ_{172} 12 10.1 76°.48 2°.2/ 9.8 17

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 32.99	+15 18.6	2.281	3.111	11.7	20.7
11 17	5 27.37	+15 21.9	2.213	3.119	8.6	20.5
11 27	5 19.96	+15 29.0	2.170	3.126	5.3	20.3
12 7	5 11.47	+15 40.4	2.155	3.134	2.5	20.1
12 17	5 2.74	+15 56.1	2.170	3.141	3.5	20.2
12 27	4 54.69	+16 16.3	2.216	3.149	6.7	20.4
1 6	4 48.10	+16 40.8	2.288	3.156	9.8	20.6
1 16	4 43.52	+17 9.4	2.385	3.164	12.5	20.8

17980 Vanschaik 12 10.1 55°.97 0°.1/10.1 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 35.20	+22 30.0	1.858	2.697	13.5	18.3
11 17	5 29.40	+22 35.6	1.792	2.704	9.9	18.1
11 27	5 21.31	+22 39.6	1.750	2.712	5.8	17.8
12 7	5 11.82	+22 41.3	1.735	2.719	1.4	17.6
12 17	5 2.03	+22 40.7	1.749	2.726	3.1	17.7
12 27	4 53.16	+22 39.1	1.792	2.734	7.3	18.0
1 6	4 46.20	+22 38.3	1.862	2.742	11.1	18.2
1 16	4 41.78	+22 40.0	1.954	2.750	14.3	18.5

293583 2007 JM_2 12 10.1 178°.99 2°.6/ 9.5 17

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 32.07	+13 39.9	2.914	3.733	9.7	21.7
11 17	5 26.37	+13 24.0	2.836	3.735	7.3	21.6
11 27	5 19.27	+13 11.4	2.784	3.736	4.7	21.4
12 7	5 11.31	+13 3.1	2.763	3.736	2.7	21.3
12 17	5 3.15	+12 59.9	2.772	3.736	3.5	21.3
12 27	4 55.50	+13 2.6	2.812	3.736	6.0	21.5
1 6	4 48.97	+13 11.4	2.880	3.735	8.5	21.6
1 16	4 44.03	+13 26.1	2.974	3.733	10.8	21.8

177165 2003 SD_{128} 12 10.1 69°.69 5°.7/10.9 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 45.83	+33 46.6	1.258	2.093	18.9	19.9
11 17	5 38.16	+34 39.2	1.216	2.118	14.5	19.7
11 27	5 26.75	+35 16.9	1.196	2.144	9.8	19.5
12 7	5 13.13	+35 33.3	1.199	2.169	6.1	19.4
12 17	4 59.37	+35 26.4	1.229	2.195	6.6	19.5
12 27	4 47.59	+35 0.0	1.285	2.220	10.3	19.7
1 6	4 39.24	+34 22.4	1.364	2.245	14.4	20.0
1 16	4 34.94	+33 41.5	1.464	2.269	17.8	20.3

314790 2006 TT_{20} 12 10.1 5°.41 1°.9/ 9.8 17

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 32.77	+19 46.6	1.451	2.308	15.7	20.9
11 17	5 28.11	+19 22.0	1.387	2.308	11.6	20.6
11 27	5 20.76	+18 57.0	1.345	2.308	6.9	20.4
12 7	5 11.72	+18 33.2	1.328	2.310	2.4	20.1
12 17	5 2.33	+18 12.7	1.338	2.313	4.2	20.2
12 27	4 54.01	+17 58.1	1.374	2.317	9.0	20.5
1 6	4 47.93	+17 51.1	1.434	2.321	13.4	20.8
1 16	4 44.77	+17 52.9	1.515	2.327	17.0	21.0

57355 2001 QJ_{292} 12 10.1 356°.38 5°.2/ 8.6 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 32.81	+12 22.9	1.742	2.582	14.2	18.6
11 17	5 27.67	+11 16.0	1.674	2.581	10.8	18.4
11 27	5 20.32	+10 13.6	1.629	2.580	7.4	18.2
12 7	5 11.61	+ 9 19.9	1.612	2.579	5.2	18.0
12 17	5 2.61	+ 8 39.2	1.622	2.579	6.4	18.1
12 27	4 54.50	+ 8 14.2	1.659	2.579	9.7	18.3
1 6	4 48.21	+ 8 5.6	1.721	2.579	13.1	18.5
1 16	4 44.37	+ 8 12.5	1.804	2.580	16.1	18.7

266492 2008 DY_{20} 12 10.1 257°.14 1°.4/10.4 17

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 35.98	+26 42.2	2.109	2.938	12.5	21.6
11 17	5 30.02	+26 53.5	2.020	2.926	9.3	21.4
11 27	5 21.78	+27 0.1	1.957	2.915	5.7	21.1
12 7	5 12.01	+27 0.6	1.921	2.902	2.0	20.9
12 17	5 1.75	+26 54.5	1.914	2.890	3.1	20.9
12 27	4 52.19	+26 42.8	1.938	2.878	7.0	21.2
1 6	4 44.38	+26 28.3	1.988	2.865	10.7	21.4
1 16	4 39.01	+26 14.0	2.062	2.852	13.9	21.5

22918 1999 TZ_{80} 12 10.1 64°.51 3°.2/ 9.6 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 35.88	+16 3.6	1.594	2.438	15.1	18.8
11 17	5 30.02	+15 37.0	1.536	2.449	11.2	18.6
11 27	5 21.72	+15 13.8	1.502	2.460	7.0	18.4
12 7	5 11.96	+14 56.0	1.494	2.472	3.4	18.2
12 17	5 1.98	+14 45.4	1.513	2.484	4.8	18.3
12 27	4 53.08	+14 43.5	1.561	2.496	8.9	18.6
1 6	4 46.31	+14 50.8	1.633	2.507	12.8	18.8
1 16	4 42.28	+15 7.1	1.727	2.519	16.1	19.1

444551 2006 SO_{306} 12 10.1 32°.09 2°.6/ 9.7 17

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
11 7	5 34.21	+16 53.4	1.719	2.562	14.2	21.6
11 17	5 28.77	+16 34.1	1.653	2.566	10.6	21.4
11 27	5 21.00	+16 17.5	1.611	2.571	6.5	21.2
12 7	5 11.80	+16 4.8	1.596	2.575	2.9	21.0
12 17	5 2.30	+15 57.6	1.608	2.580	4.3	21.1
12 27	4 53.73	+15 57.2	1.649	2.585	8.3	21.3
1 6	4 47.10	+16 4.4	1.715	2.591	12.2	21.6
1 16	4 43.05	+16 19.1	1.803	2.597	15.4	21.8

289142 2004 VD_9 12 10.1 10°.10 4°.2/ 9.3 17

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 28.40	+11 40.3	1.969	2.811	12.8	19.2
11 17	5 24.23	+11 13.1	1.909	2.817	9.7	19.0
11 27	5 18.22	+10 52.6	1.873	2.824	6.5	18.8
12 7	5 11.12	+10 41.0	1.863	2.833	4.3	18.7
12 17	5 3.81	+10 39.8	1.881	2.842	5.2	18.8
12 27	4 57.25	+10 49.7	1.927	2.853	8.1	19.0
1 6	4 52.21	+11 10.0	1.998	2.864	11.1	19.2
1 16	4 49.24	+11 39.5	2.091	2.877	13.9	19.4

124688 2001 SU_{121} 12 10.1 328°.96 1°.6/10.5 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 37.01	+27 56.6	1.384	2.233	16.7	18.9
11 17	5 31.63	+27 44.5	1.311	2.227	12.5	18.7
11 27	5 23.05	+27 22.8	1.259	2.220	7.6	18.4
12 7	5 12.35	+26 50.4	1.232	2.214	2.6	18.1
12 17	5 1.12	+26 8.3	1.231	2.209	4.0	18.1
12 27	4 51.12	+25 21.0	1.257	2.203	9.3	18.4
1 6	4 43.76	+24 34.3	1.308	2.199	14.1	18.7
1 16	4 39.85	+23 53.5	1.378	2.194	18.2	18.9

104479 2000 GC_{22} 12 10.1 246°.94 0°.5/10.0 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 32.72	+21 30.8	2.556	3.384	10.6	20.7
11 17	5 27.19	+21 25.2	2.467	3.374	7.8	20.5
11 27	5 19.93	+21 18.4	2.404	3.364	4.6	20.2
12 7	5 11.55	+21 10.5	2.370	3.354	1.2	20.0
12 17	5 2.85	+21 1.9	2.367	3.343	2.6	20.1
12 27	4 54.69	+20 53.7	2.394	3.332	6.0	20.3
1 6	4 47.86	+20 47.4	2.450	3.321	9.1	20.5
1 16	4 42.91	+20 44.3	2.529	3.310	11.9	20.6

444836 2007 VN_{77} 12 10.1 101°.90 0°.8/ 9.9 15

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 37.57	+21 24.7	1.913	2.746	13.4	22.1
11 17	5 30.93	+21 12.6	1.855	2.764	9.8	21.9
11 27	5 22.12	+20 58.9	1.821	2.782	5.7	21.7
12 7	5 12.06	+20 44.0	1.816	2.799	1.5	21.4
12 17	5 1.86	+20 28.8	1.840	2.816	3.2	21.6
12 27	4 52.67	+20 15.1	1.893	2.832	7.2	21.9
1 6	4 45.42	+20 5.0	1.974	2.848	10.9	22.1
1 16	4 40.65	+19 59.9	2.077	2.864	13.9	22.4

83630 2001 SD_{317} 12 10.1 45°.85 0°.1/10.1 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 35.82	+22 5.9	1.833	2.672	13.7	19.4
11 17	5 29.98	+22 20.5	1.763	2.675	10.1	19.2
11 27	5 21.75	+22 34.4	1.716	2.678	5.9	19.0
12 7	5 12.01	+22 46.4	1.697	2.681	1.4	18.7
12 17	5 1.89	+22 56.0	1.707	2.684	3.1	18.8
12 27	4 52.65	+23 3.8	1.745	2.687	7.5	19.1
1 6	4 45.34	+23 11.5	1.810	2.690	11.4	19.3
1 16	4 40.64	+23 20.6	1.898	2.694	14.7	19.6

197410 2003 YW_{47} 12 10.1 18°.00 0°.2/10.1 17

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 33.87	+21 9.0	2.079	2.915	12.4	19.7
11 17	5 28.33	+21 32.2	2.006	2.917	9.1	19.4
11 27	5 20.71	+21 55.8	1.959	2.920	5.4	19.2
12 7	5 11.76	+22 18.7	1.939	2.923	1.3	18.9
12 17	5 2.45	+22 40.1	1.949	2.926	2.8	19.1
12 27	4 53.88	+23 0.0	1.988	2.929	6.8	19.3
1 6	4 46.96	+23 19.1	2.055	2.933	10.3	19.6
1 16	4 42.33	+23 38.4	2.144	2.937	13.3	19.8

43474 2001 AE_{40} 12 10.1 104°.17 0°.1/10.1 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 41.75	+21 59.8	1.502	2.342	16.1	19.4
11 17	5 34.58	+22 20.8	1.446	2.358	11.9	19.2
11 27	5 24.51	+22 40.9	1.412	2.374	6.9	18.9
12 7	5 12.68	+22 58.1	1.406	2.389	1.7	18.6
12 17	5 0.55	+23 11.4	1.427	2.404	3.6	18.8
12 27	4 49.73	+23 21.5	1.477	2.419	8.6	19.2
1 6	4 41.43	+23 30.6	1.552	2.433	12.9	19.4
1 16	4 36.36	+23 40.9	1.649	2.447	16.5	19.7

488109 2015 VQ_{78} 12 10.1 351°.60 6°.2/ 9.2 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 30.63	+10 4.1	1.402	2.255	16.3	20.0
11 17	5 26.61	+ 9 23.6	1.335	2.247	12.6	19.7
11 27	5 19.96	+ 8 53.1	1.290	2.241	8.9	19.5
12 7	5 11.61	+ 8 36.8	1.268	2.235	6.4	19.4
12 17	5 2.79	+ 8 37.6	1.272	2.231	7.5	19.4
12 27	4 54.91	+ 8 56.7	1.300	2.228	11.0	19.6
1 6	4 49.14	+ 9 32.5	1.352	2.226	14.9	19.8
1 16	4 46.23	+10 21.9	1.423	2.225	18.4	20.1

19739 2000 AL_{104} 12 10.1 136°.34 3°.3/ 9.6 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
11 7	5 39.00	+15 8.9	1.763	2.595	14.5	18.0
11 17	5 32.12	+14 42.3	1.701	2.607	10.8	17.8
11 27	5 22.89	+14 19.5	1.664	2.619	6.8	17.6
12 7	5 12.27	+14 2.1	1.653	2.630	3.5	17.4
12 17	5 1.43	+13 51.9	1.672	2.640	4.8	17.5
12 27	4 51.63	+13 50.3	1.720	2.650	8.6	17.8
1 6	4 43.86	+13 57.6	1.794	2.659	12.3	18.0
1 16	4 38.73	+14 13.8	1.890	2.668	15.4	18.3

352235 2007 TW_{107} 12 10.1 94°.52 4°.3/10.9 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 40.04	+33 15.9	1.772	2.595	14.8	20.5
11 17	5 33.35	+33 52.1	1.707	2.603	11.4	20.3
11 27	5 23.84	+34 17.8	1.665	2.612	7.6	20.1
12 7	5 12.55	+34 29.0	1.650	2.621	4.7	20.0
12 17	5 0.87	+34 24.0	1.663	2.629	5.1	20.0
12 27	4 50.35	+34 4.7	1.704	2.638	8.4	20.2
1 6	4 42.20	+33 35.9	1.771	2.646	11.9	20.5
1 16	4 37.14	+33 3.2	1.861	2.654	15.0	20.7

2474 Ruby 12 10.1 188°.51 1°.1/ 9.8 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 35.58	+20 38.4	2.451	3.276	11.1	17.0
11 17	5 29.23	+20 13.3	2.370	3.275	8.2	16.8
11 27	5 21.09	+19 46.5	2.315	3.274	4.8	16.6
12 7	5 11.86	+19 18.8	2.289	3.272	1.5	16.4
12 17	5 2.37	+18 51.7	2.295	3.269	2.9	16.5
12 27	4 53.56	+18 27.0	2.331	3.266	6.3	16.7
1 6	4 46.21	+18 6.7	2.396	3.262	9.5	16.9
1 16	4 40.86	+17 52.1	2.485	3.258	12.3	17.1

133686 2003 UD_{205} 12 10.1 186°.07 1°.5/ 9.8 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 36.43	+19 3.5	2.113	2.943	12.5	20.3
11 17	5 30.12	+18 51.7	2.035	2.943	9.2	20.1
11 27	5 21.72	+18 40.2	1.983	2.942	5.5	19.9
12 7	5 12.02	+18 29.5	1.959	2.941	1.9	19.6
12 17	5 2.00	+18 20.5	1.966	2.940	3.3	19.7
12 27	4 52.74	+18 14.4	2.002	2.938	7.1	20.0
1 6	4 45.15	+18 12.8	2.065	2.935	10.7	20.2
1 16	4 39.85	+18 16.4	2.152	2.932	13.7	20.4

448582 2010 TG_{28} 12 10.1 68°.37 0°.8/10.3 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 35.75	+25 37.7	1.890	2.726	13.5	21.6
11 17	5 29.83	+25 32.8	1.822	2.732	9.9	21.4
11 27	5 21.62	+25 22.9	1.778	2.738	5.9	21.2
12 7	5 12.00	+25 7.4	1.761	2.744	1.7	20.9
12 17	5 2.10	+24 47.1	1.773	2.750	3.1	21.0
12 27	4 53.16	+24 24.1	1.814	2.756	7.2	21.3
1 6	4 46.16	+24 1.5	1.881	2.762	11.0	21.6
1 16	4 41.72	+23 42.1	1.972	2.768	14.2	21.8

331676 2002 PA_{195} 12 10.1 163°.47 4°.0/ 9.6 17

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 38.88	+12 55.5	1.737	2.568	14.7	21.6
11 17	5 32.17	+12 38.0	1.669	2.573	11.1	21.4
11 27	5 23.02	+12 26.8	1.624	2.577	7.2	21.1
12 7	5 12.35	+12 23.7	1.607	2.581	4.2	21.0
12 17	5 1.34	+12 29.7	1.619	2.584	5.3	21.0
12 27	4 51.27	+12 45.4	1.659	2.587	9.0	21.3
1 6	4 43.23	+13 10.6	1.725	2.589	12.7	21.5
1 16	4 37.87	+13 44.0	1.813	2.590	16.0	21.7

225143 2008 FW_{123} 12 10.1 8°.88 5°.8/ 9.1 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 35.26	+12 38.6	1.275	2.129	17.5	20.9
11 17	5 30.15	+11 44.7	1.214	2.129	13.4	20.6
11 27	5 22.08	+10 57.8	1.175	2.130	9.0	20.4
12 7	5 12.14	+10 22.6	1.160	2.132	5.9	20.2
12 17	5 1.80	+10 3.1	1.170	2.133	7.3	20.3
12 27	4 52.66	+10 1.6	1.205	2.136	11.4	20.6
1 6	4 46.00	+10 17.5	1.263	2.138	15.7	20.8
1 16	4 42.54	+10 48.7	1.340	2.142	19.4	21.1

393065 2013 AX_{78} 12 10.1 66°.86 15°.8/13.3 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 38.91	−21 59.0	1.785	2.474	19.5	20.1
11 17	5 31.87	−22 35.7	1.751	2.493	18.0	20.0
11 27	5 22.63	−22 37.3	1.733	2.511	16.7	20.0
12 7	5 12.21	−21 58.6	1.734	2.530	15.9	20.0
12 17	5 1.77	−20 38.8	1.756	2.549	15.8	20.0
12 27	4 52.52	−18 41.9	1.800	2.568	16.4	20.1
1 6	4 45.33	−16 16.2	1.864	2.587	17.5	20.2
1 16	4 40.73	−13 31.5	1.949	2.606	18.7	20.4

217568 2007 TC_{111} 12 10.1 36°.04 11°.9/13.1 17

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 45.45	+49 5.7	1.453	2.237	19.4	20.0
11 17	5 38.75	+50 29.0	1.405	2.250	16.6	19.9
11 27	5 27.58	+51 25.9	1.375	2.263	14.0	19.8
12 7	5 13.52	+51 46.6	1.366	2.277	12.3	19.7
12 17	4 58.93	+51 27.0	1.381	2.291	12.1	19.7
12 27	4 46.43	+50 30.9	1.419	2.306	13.5	19.9
1 6	4 37.82	+49 9.4	1.479	2.322	15.7	20.0
1 16	4 33.88	+47 34.8	1.559	2.338	18.1	20.2

481757 2008 JC_{29} 12 10.1 151°.54 0°.5/10.1 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
11 7	5 40.88	+20 11.6	1.980	2.806	13.4	21.8
11 17	5 33.48	+20 34.8	1.911	2.816	9.8	21.6
11 27	5 23.74	+20 58.7	1.866	2.825	5.8	21.4
12 7	5 12.53	+21 22.0	1.851	2.834	1.5	21.1
12 17	5 0.98	+21 43.6	1.866	2.842	3.1	21.2
12 27	4 50.32	+22 3.6	1.911	2.849	7.3	21.5
1 6	4 41.58	+22 22.8	1.984	2.855	11.0	21.8
1 16	4 35.43	+22 42.6	2.081	2.861	14.1	22.0

264263 1994 YS_{3} 12 10.1 205°.64 0°.4/10.2 17

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 33.98	+24 42.7	2.324	3.153	11.5	21.0
11 17	5 28.24	+24 38.0	2.245	3.152	8.5	20.8
11 27	5 20.60	+24 29.8	2.191	3.150	5.0	20.6
12 7	5 11.76	+24 17.6	2.165	3.149	1.3	20.4
12 17	5 2.63	+24 1.9	2.170	3.147	2.6	20.5
12 27	4 54.21	+23 44.3	2.205	3.145	6.3	20.7
1 6	4 47.32	+23 27.1	2.267	3.143	9.6	20.9
1 16	4 42.54	+23 12.3	2.354	3.141	12.5	21.1

188803 2005 WZ_{72} 12 10.1 71°.15 1°.1/10.4 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 40.09	+27 7.0	1.450	2.292	16.5	20.2
11 17	5 33.36	+26 46.2	1.398	2.310	12.1	20.0
11 27	5 23.74	+26 17.1	1.368	2.329	7.2	19.7
12 7	5 12.50	+25 39.4	1.365	2.348	2.1	19.5
12 17	5 1.18	+24 55.5	1.389	2.366	3.6	19.6
12 27	4 51.34	+24 9.6	1.441	2.385	8.5	20.0
1 6	4 44.13	+23 27.0	1.518	2.403	12.9	20.3
1 16	4 40.12	+22 51.4	1.617	2.422	16.4	20.5

147619 2004 HW_{12} 12 10.1 357°.82 1°.5/10.1 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 34.47	+17 52.7	1.050	1.921	19.1	18.9
11 17	5 30.36	+18 24.0	0.989	1.917	14.3	18.6
11 27	5 22.60	+19 2.7	0.948	1.914	8.5	18.3
12 7	5 12.35	+19 47.1	0.929	1.912	2.5	17.9
12 17	5 1.34	+20 34.5	0.934	1.912	4.7	18.1
12 27	4 51.64	+21 23.1	0.963	1.913	10.8	18.4
1 6	4 44.91	+22 11.7	1.014	1.915	16.2	18.7
1 16	4 42.12	+23 0.3	1.083	1.919	20.7	19.0

361401 2006 WL_{37} 12 10.1 244°.30 2°.4/ 9.7 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 34.29	+16 52.7	1.989	2.825	12.9	21.5
11 17	5 28.67	+16 34.8	1.913	2.822	9.6	21.3
11 27	5 20.93	+16 19.1	1.860	2.819	5.9	21.1
12 7	5 11.86	+16 6.6	1.836	2.815	2.7	20.8
12 17	5 2.43	+15 58.6	1.840	2.812	4.0	20.9
12 27	4 53.75	+15 56.4	1.873	2.808	7.7	21.2
1 6	4 46.76	+16 0.9	1.933	2.804	11.2	21.4
1 16	4 42.09	+16 12.5	2.016	2.801	14.3	21.6

198818 2005 EK_{247} 12 10.1 334°.96 4°.1/10.9 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 35.74	+34 16.6	2.178	2.994	12.6	20.3
11 17	5 29.93	+34 52.1	2.099	2.990	9.8	20.1
11 27	5 21.77	+35 18.5	2.044	2.987	6.8	19.9
12 7	5 12.08	+35 32.5	2.017	2.984	4.4	19.8
12 17	5 1.94	+35 32.5	2.018	2.981	4.8	19.8
12 27	4 52.59	+35 19.4	2.049	2.978	7.4	20.0
1 6	4 45.09	+34 56.8	2.105	2.976	10.5	20.2
1 16	4 40.13	+34 29.0	2.185	2.973	13.3	20.3

215177 2000 GM_{163} 12 10.1 297°.81 0°.7/10.0 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 35.11	+21 3.5	1.755	2.598	14.0	20.3
11 17	5 29.70	+21 3.1	1.672	2.586	10.4	20.0
11 27	5 21.75	+21 2.2	1.612	2.574	6.2	19.8
12 7	5 12.10	+21 0.5	1.579	2.562	1.6	19.4
12 17	5 1.91	+20 58.4	1.574	2.551	3.4	19.6
12 27	4 52.50	+20 57.1	1.598	2.539	8.0	19.8
1 6	4 45.03	+20 58.3	1.647	2.528	12.3	20.0
1 16	4 40.28	+21 3.7	1.718	2.517	15.9	20.2

278134 2007 CJ_{51} 12 10.1 309°.04 1°.0/ 9.9 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 35.83	+22 19.9	1.339	2.195	16.8	20.9
11 17	5 30.92	+21 55.8	1.258	2.179	12.5	20.6
11 27	5 22.77	+21 27.5	1.198	2.162	7.5	20.3
12 7	5 12.40	+20 55.8	1.163	2.146	2.0	19.9
12 17	5 1.27	+20 22.7	1.154	2.131	4.3	20.0
12 27	4 51.17	+19 52.0	1.171	2.116	9.9	20.3
1 6	4 43.59	+19 27.8	1.211	2.101	15.0	20.6
1 16	4 39.47	+19 13.1	1.271	2.087	19.4	20.8

213939 2003 WW_{64} 12 10.1 317°.45 2°.6/10.1 17

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 37.67	+25 17.1	1.503	2.348	15.8	20.3
11 17	5 32.37	+26 25.0	1.414	2.328	11.9	20.0
11 27	5 23.76	+27 34.2	1.349	2.309	7.4	19.7
12 7	5 12.69	+28 39.6	1.309	2.290	3.1	19.4
12 17	5 0.52	+29 36.0	1.297	2.271	4.6	19.4
12 27	4 49.06	+30 20.9	1.312	2.253	9.5	19.7
1 6	4 39.95	+30 55.1	1.351	2.236	14.2	19.9
1 16	4 34.33	+31 21.8	1.412	2.220	18.3	20.1

121456 1999 TQ_{206} 12 10.2 9°.88 8°.0/12.4 17

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
11 7	5 36.98	+42 12.7	1.506	2.322	17.3	18.8
11 17	5 31.79	+42 42.6	1.445	2.325	14.1	18.6
11 27	5 23.18	+42 51.5	1.404	2.329	10.8	18.5
12 7	5 12.44	+42 34.0	1.386	2.335	8.4	18.3
12 17	5 1.34	+41 48.9	1.393	2.341	8.3	18.3
12 27	4 51.78	+40 40.5	1.425	2.349	10.5	18.5
1 6	4 45.15	+39 17.8	1.481	2.358	13.7	18.7
1 16	4 42.15	+37 50.1	1.559	2.368	16.7	18.9

52034 2002 PX_{42} 12 10.2 248°.85 6°.9/11.8 18

11 7	5 41.70	+41 44.2	1.942	2.735	14.8	18.9
11 17	5 34.83	+42 18.6	1.860	2.728	12.1	18.7
11 27	5 24.87	+42 36.5	1.801	2.720	9.3	18.5
12 7	5 12.88	+42 32.5	1.767	2.712	7.2	18.3
12 17	5 0.34	+42 4.3	1.760	2.704	7.3	18.3
12 27	4 48.92	+41 14.1	1.781	2.696	9.4	18.4
1 6	4 40.01	+40 8.5	1.828	2.688	12.3	18.6
1 16	4 34.41	+38 55.5	1.897	2.680	15.2	18.8

2233 Kuznetsov 12 10.2 25°.63 0°.6/10.0 18

11 7	5 37.44	+23 20.8	1.246	2.104	17.7	15.4
11 17	5 31.96	+22 56.3	1.186	2.107	13.0	15.2
11 27	5 23.23	+22 26.8	1.147	2.111	7.7	14.9
12 7	5 12.47	+21 53.3	1.132	2.115	1.9	14.5
12 17	5 1.32	+21 17.9	1.143	2.120	4.2	14.7
12 27	4 51.59	+20 44.9	1.180	2.126	9.7	15.0
1 6	4 44.63	+20 18.4	1.240	2.131	14.7	15.3
1 16	4 41.16	+20 1.2	1.320	2.137	18.8	15.6

146028 2000 DG_{64} 12 10.2 301°.01 0°.6/10.0 18

11 7	5 36.70	+22 33.2	1.416	2.268	16.3	20.3
11 17	5 31.38	+22 18.8	1.338	2.256	12.1	20.0
11 27	5 22.96	+22 1.0	1.281	2.244	7.2	19.7
12 7	5 12.44	+21 39.9	1.249	2.233	1.8	19.4
12 17	5 1.26	+21 16.9	1.244	2.221	4.0	19.5
12 27	4 51.12	+20 54.7	1.266	2.210	9.4	19.8
1 6	4 43.41	+20 36.9	1.311	2.199	14.3	20.0
1 16	4 39.02	+20 26.4	1.378	2.189	18.4	20.2

409157 2003 UB_{161} 12 10.2 89°.42 2°.5/ 9.4 18

11 7	5 32.94	+16 40.9	2.294	3.125	11.6	21.0
11 17	5 27.29	+16 3.2	2.230	3.137	8.5	20.8
11 27	5 19.94	+15 27.0	2.192	3.149	5.3	20.6
12 7	5 11.62	+14 54.0	2.183	3.160	2.7	20.5
12 17	5 3.15	+14 26.1	2.204	3.172	3.8	20.6
12 27	4 55.44	+14 5.3	2.254	3.184	6.9	20.8
1 6	4 49.20	+13 52.7	2.332	3.195	9.9	21.0
1 16	4 44.92	+13 48.4	2.433	3.206	12.5	21.2

2475 Semenov 12 10.2 38°.29 3°.6/ 9.2 18

11 7	5 32.54	+14 47.7	1.952	2.790	13.0	16.0
11 17	5 27.28	+14 1.8	1.888	2.797	9.7	15.8
11 27	5 20.05	+13 19.0	1.849	2.804	6.3	15.7
12 7	5 11.66	+12 42.0	1.837	2.811	3.7	15.5
12 17	5 3.06	+12 13.3	1.854	2.818	4.9	15.6
12 27	4 55.30	+11 55.0	1.899	2.826	8.1	15.8
1 6	4 49.21	+11 48.0	1.970	2.834	11.4	16.0
1 16	4 45.34	+11 51.9	2.063	2.842	14.2	16.2

199138 2005 YX_{112} 12 10.2 190°.91 0°.2/10.1 18

11 7	5 38.10	+22 52.7	1.915	2.748	13.5	21.6
11 17	5 31.61	+22 45.3	1.838	2.747	9.9	21.4
11 27	5 22.73	+22 35.0	1.785	2.745	5.9	21.1
12 7	5 12.35	+22 21.5	1.760	2.744	1.4	20.8
12 17	5 1.58	+22 5.6	1.765	2.741	3.1	20.9
12 27	4 51.70	+21 49.0	1.799	2.739	7.5	21.2
1 6	4 43.73	+21 34.5	1.860	2.735	11.4	21.4
1 16	4 38.38	+21 24.2	1.944	2.732	14.7	21.6

55384 Muiyimfong 12 10.2 195°.19 1°.3/ 9.9 18

11 7	5 38.11	+19 37.4	1.919	2.751	13.5	19.5
11 17	5 31.60	+19 31.7	1.840	2.749	9.9	19.3
11 27	5 22.73	+19 26.3	1.787	2.747	5.9	19.0
12 7	5 12.35	+19 21.2	1.761	2.744	1.9	18.7
12 17	5 1.56	+19 16.9	1.765	2.740	3.5	18.9
12 27	4 51.61	+19 14.7	1.798	2.736	7.7	19.1
1 6	4 43.52	+19 16.1	1.859	2.732	11.5	19.3
1 16	4 37.99	+19 22.4	1.942	2.726	14.8	19.5

406779 2008 QC_{48} 12 10.2 104°.44 6°.2/ 8.4 18

11 7	5 32.00	+ 3 31.2	2.517	3.321	11.5	21.3
11 17	5 26.40	+ 2 34.4	2.463	3.337	9.3	21.2
11 27	5 19.35	+ 1 47.5	2.435	3.353	7.2	21.1
12 7	5 11.48	+ 1 13.8	2.434	3.369	6.2	21.1
12 17	5 3.50	+ 0 55.5	2.462	3.385	6.8	21.1
12 27	4 56.18	+ 0 53.2	2.518	3.400	8.5	21.2
1 6	4 50.15	+ 1 6.1	2.600	3.415	10.6	21.4
1 16	4 45.84	+ 1 32.0	2.705	3.430	12.5	21.6

368190 2000 SV_{184} 12 10.2 101°.75 3°.4/ 9.6 16

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
11 7	5 41.78	+16 16.4	1.496	2.334	16.3	21.6
11 17	5 34.31	+15 41.1	1.448	2.358	12.0	21.4
11 27	5 24.21	+15 9.0	1.424	2.381	7.4	21.2
12 7	5 12.66	+14 42.3	1.426	2.404	3.6	21.0
12 17	5 1.07	+14 23.2	1.456	2.426	5.1	21.2
12 27	4 50.86	+14 13.8	1.514	2.447	9.3	21.5
1 6	4 43.09	+14 14.7	1.598	2.467	13.3	21.8
1 16	4 38.33	+14 25.8	1.703	2.487	16.6	22.0

517421 2014 MA_{22} 12 10.2 124°.80 1°.4/ 9.8 18

11 7	5 35.88	+19 18.0	2.210	3.039	12.0	22.4
11 17	5 29.53	+19 2.4	2.145	3.052	8.8	22.2
11 27	5 21.30	+18 46.7	2.106	3.065	5.2	22.0
12 7	5 11.97	+18 31.8	2.096	3.078	1.8	21.8
12 17	5 2.47	+18 18.7	2.116	3.090	3.2	21.9
12 27	4 53.79	+18 8.6	2.166	3.101	6.7	22.1
1 6	4 46.72	+18 3.0	2.243	3.112	10.0	22.4
1 16	4 41.81	+18 2.9	2.345	3.123	12.8	22.6

158101 2000 XN_{26} 12 10.2 75°.37 2°.7/10.2 18

11 7	5 42.07	+26 14.7	1.609	2.443	15.5	17.8
11 17	5 34.99	+27 25.2	1.550	2.457	11.6	17.6
11 27	5 24.91	+28 32.6	1.515	2.472	7.1	17.4
12 7	5 12.91	+29 31.7	1.508	2.487	3.2	17.2
12 17	5 0.43	+30 18.3	1.529	2.502	4.3	17.3
12 27	4 49.11	+30 51.8	1.579	2.516	8.5	17.6
1 6	4 40.26	+31 14.4	1.654	2.531	12.5	17.9
1 16	4 34.66	+31 30.2	1.752	2.546	15.8	18.1

188576 Kosenda 12 10.2 245°.97 17°.4/10.0 18

11 7	5 58.21	+52 39.5	1.234	2.004	22.9	20.1
11 17	5 51.16	+55 33.8	1.176	2.000	20.5	19.9
11 27	5 36.84	+58 2.7	1.137	1.996	18.5	19.7
12 7	5 16.25	+59 45.4	1.117	1.992	17.5	19.7
12 17	4 52.78	+60 26.4	1.117	1.987	17.7	19.7
12 27	4 31.52	+60 4.9	1.137	1.983	19.2	19.7
1 6	4 16.59	+58 55.8	1.174	1.978	21.4	19.9
1 16	4 9.59	+57 19.2	1.227	1.973	23.8	20.0

314832 2006 UH_{106} 12 10.2 216°.48 0°.3/10.2 18

11 7	5 36.22	+22 53.5	1.947	2.782	13.2	20.8
11 17	5 30.26	+23 11.8	1.871	2.781	9.7	20.6
11 27	5 21.97	+23 28.8	1.820	2.780	5.7	20.4
12 7	5 12.18	+23 43.2	1.796	2.779	1.4	20.1
12 17	5 1.97	+23 54.3	1.802	2.779	3.0	20.2
12 27	4 52.56	+24 2.6	1.837	2.778	7.2	20.5
1 6	4 44.98	+24 9.6	1.898	2.777	11.0	20.7
1 16	4 39.93	+24 17.2	1.983	2.776	14.3	20.9

410630 2008 RD_{19} 12 10.2 355°.88 10°.1/ 7.3 17

11 7	5 27.83	+ 2 40.3	1.482	2.321	16.4	19.4
11 17	5 24.38	+ 1 4.0	1.422	2.313	13.6	19.2
11 27	5 18.61	− 0 17.7	1.384	2.307	11.2	19.0
12 7	5 11.37	− 1 17.1	1.369	2.303	10.1	18.9
12 17	5 3.76	− 1 48.3	1.377	2.300	11.0	19.0
12 27	4 57.03	− 1 49.4	1.409	2.298	13.4	19.1
1 6	4 52.19	− 1 22.4	1.462	2.299	16.2	19.3
1 16	4 49.90	− 0 32.3	1.534	2.300	18.9	19.5

81312 2000 GL_{11} 12 10.2 147°.15 1°.8/ 9.8 18

11 7	5 35.45	+18 29.8	1.991	2.826	12.9	20.6
11 17	5 29.48	+18 14.2	1.920	2.829	9.5	20.4
11 27	5 21.41	+17 59.5	1.873	2.833	5.7	20.2
12 7	5 12.03	+17 46.4	1.855	2.836	2.2	20.0
12 17	5 2.36	+17 36.1	1.866	2.839	3.6	20.1
12 27	4 53.52	+17 29.9	1.906	2.842	7.4	20.3
1 6	4 46.42	+17 29.2	1.972	2.845	11.0	20.5
1 16	4 41.66	+17 34.6	2.062	2.847	14.1	20.7

450376 2005 GN_{144} 12 10.2 244°.43 3°.0/ 9.6 18

11 7	5 35.15	+15 9.5	2.049	2.881	12.7	21.8
11 17	5 29.34	+14 47.7	1.963	2.869	9.6	21.6
11 27	5 21.39	+14 28.8	1.902	2.857	6.1	21.3
12 7	5 12.05	+14 14.5	1.868	2.845	3.2	21.1
12 17	5 2.27	+14 6.3	1.864	2.833	4.4	21.2
12 27	4 53.15	+14 5.5	1.889	2.820	7.9	21.4
1 6	4 45.64	+14 12.9	1.941	2.807	11.5	21.6
1 16	4 40.43	+14 28.5	2.016	2.793	14.6	21.8

190205 2005 YP_{207} 12 10.2 23°.53 3°.0/ 9.8 18

11 7	5 34.71	+17 25.4	1.169	2.033	18.1	19.5
11 17	5 29.94	+17 5.6	1.118	2.041	13.4	19.3
11 27	5 22.03	+16 49.5	1.087	2.051	8.1	19.0
12 7	5 12.20	+16 38.9	1.080	2.061	3.4	18.8
12 17	5 2.06	+16 35.4	1.098	2.072	5.2	18.9
12 27	4 53.32	+16 40.5	1.141	2.085	10.3	19.2
1 6	4 47.26	+16 54.8	1.206	2.098	15.0	19.5
1 16	4 44.58	+17 17.7	1.291	2.112	18.9	19.8

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
143771 2003 WS_{39}		12 10.2 134°.26	3°.9/10.8 18			
	h m	° ′			°	m
11 7	5 43.48	+31 31.3	1.595	2.421	16.0	20.6
11 17	5 36.12	+32 6.0	1.531	2.431	12.2	20.4
11 27	5 25.60	+32 30.7	1.489	2.440	7.9	20.2
12 7	5 13.08	+32 41.1	1.474	2.449	4.3	20.0
12 17	5 0.14	+32 35.2	1.488	2.457	5.0	20.0
12 27	4 48.52	+32 15.3	1.529	2.465	8.9	20.3
1 6	4 39.57	+31 46.8	1.595	2.472	12.9	20.5
1 16	4 34.06	+31 15.6	1.684	2.479	16.3	20.8
267299 2001 SZ_{209}		12 10.2 129°.54	1°.6/10.4 18			
11 7	5 41.15	+26 59.2	1.838	2.665	14.2	21.4
11 17	5 33.86	+27 13.3	1.774	2.679	10.5	21.2
11 27	5 24.04	+27 21.6	1.735	2.692	6.4	20.9
12 7	5 12.68	+27 22.0	1.724	2.705	2.3	20.7
12 17	5 1.05	+27 14.3	1.742	2.717	3.4	20.8
12 27	4 50.54	+27 0.1	1.789	2.729	7.5	21.1
1 6	4 42.21	+26 43.0	1.864	2.740	11.3	21.3
1 16	4 36.72	+26 26.5	1.961	2.750	14.5	21.6
325584 2009 SW_{140}		12 10.2 166°.95	2°.0/ 9.6 18			
11 7	5 33.43	+18 24.8	2.252	3.084	11.7	21.0
11 17	5 27.80	+17 52.4	2.177	3.085	8.6	20.8
11 27	5 20.34	+17 20.0	2.128	3.086	5.2	20.6
12 7	5 11.77	+16 49.0	2.107	3.087	2.2	20.4
12 17	5 2.96	+16 21.2	2.116	3.088	3.5	20.5
12 27	4 54.87	+15 58.8	2.155	3.089	6.9	20.7
1 6	4 48.28	+15 43.2	2.222	3.089	10.1	20.9
1 16	4 43.75	+15 35.3	2.311	3.090	12.9	21.1
333829 2012 JO_{24}		12 10.2 129°.14	1°.5/ 9.8 18			
11 7	5 32.81	+17 34.6	2.693	3.518	10.2	20.7
11 17	5 27.07	+17 29.6	2.624	3.529	7.5	20.6
11 27	5 19.80	+17 26.0	2.581	3.539	4.5	20.4
12 7	5 11.63	+17 24.3	2.568	3.548	1.8	20.2
12 17	5 3.28	+17 24.9	2.585	3.558	2.8	20.3
12 27	4 55.53	+17 28.5	2.633	3.567	5.8	20.5
1 6	4 49.05	+17 35.6	2.710	3.576	8.6	20.7
1 16	4 44.30	+17 46.6	2.811	3.585	11.0	20.9
32089 Wojtania		12 10.2 200°.37	0°.7/10.0 18			R
11 7	5 38.36	+21 31.0	1.905	2.737	13.5	19.9
11 17	5 31.83	+21 21.7	1.825	2.734	10.0	19.6
11 27	5 22.90	+21 10.7	1.770	2.731	5.9	19.4
12 7	5 12.43	+20 58.0	1.743	2.727	1.6	19.1
12 17	5 1.55	+20 44.1	1.746	2.722	3.3	19.2
12 27	4 51.51	+20 31.1	1.778	2.717	7.6	19.5
1 6	4 43.39	+20 21.0	1.837	2.711	11.6	19.7
1 16	4 37.88	+20 15.8	1.918	2.705	14.9	19.9
190306 1997 MB_{6}		12 10.2 270°.37	2°.4/ 9.4 17			
11 7	5 32.64	+17 23.6	2.242	3.076	11.7	19.9
11 17	5 27.25	+16 43.5	2.164	3.072	8.7	19.7
11 27	5 20.04	+16 3.6	2.111	3.069	5.4	19.5
12 7	5 11.71	+15 26.0	2.086	3.065	2.6	19.3
12 17	5 3.11	+14 52.9	2.092	3.061	3.8	19.4
12 27	4 55.19	+14 26.5	2.126	3.057	7.1	19.6
1 6	4 48.75	+14 8.4	2.188	3.054	10.4	19.8
1 16	4 44.34	+13 59.2	2.273	3.050	13.2	20.0
503292 2016 AD_{3}		12 10.2 307°.97	4°.3/11.9 17			
11 7	5 47.56	+38 45.8	0.983	1.824	22.6	19.9
11 17	5 40.65	+37 15.3	0.908	1.815	17.7	19.6
11 27	5 28.81	+35 4.9	0.852	1.805	11.8	19.3
12 7	5 13.90	+32 12.0	0.819	1.797	5.7	18.9
12 17	4 58.64	+28 45.7	0.812	1.788	5.8	18.9
12 27	4 45.85	+25 7.9	0.831	1.780	12.1	19.2
1 6	4 37.37	+21 43.1	0.874	1.773	18.4	19.5
1 16	4 33.83	+18 48.3	0.936	1.766	23.7	19.8
164410 2005 YT_{248}		12 10.2 227°.15	1°.4/10.3 18			
11 7	5 35.74	+26 2.2	2.689	3.507	10.4	20.3
11 17	5 29.50	+26 38.3	2.599	3.499	7.8	20.1
11 27	5 21.41	+27 12.2	2.535	3.491	4.7	19.9
12 7	5 12.07	+27 41.8	2.501	3.482	1.8	19.7
12 17	5 2.29	+28 5.7	2.499	3.473	2.7	19.8
12 27	4 53.01	+28 23.8	2.527	3.464	5.8	20.0
1 6	4 45.06	+28 37.1	2.585	3.454	8.8	20.2
1 16	4 39.07	+28 47.5	2.667	3.444	11.4	20.3
364154 2006 GE_{52}		12 10.2 191°.14	7°.9/ 6.9 18			
11 7	5 30.43	− 7 21.0	3.127	3.877	10.7	21.6
11 17	5 25.16	− 8 26.4	3.061	3.876	9.3	21.5
11 27	5 18.64	− 9 18.7	3.020	3.874	8.3	21.4
12 7	5 11.36	− 9 54.5	3.006	3.871	7.9	21.4
12 17	5 3.89	−10 11.4	3.018	3.868	8.3	21.4
12 27	4 56.87	−10 8.8	3.056	3.865	9.3	21.5
1 6	4 50.84	− 9 48.0	3.118	3.861	10.7	21.6
1 16	4 46.22	− 9 11.5	3.201	3.856	12.0	21.7

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
139220 2001 HA_{1}		12 10.2 202°.46	0°.4/10.3 18			
	h m	° ′			°	m
11 7	5 37.01	+25 0.2	2.269	3.094	11.9	20.8
11 17	5 30.55	+24 50.3	2.185	3.090	8.8	20.5
11 27	5 22.03	+24 36.0	2.127	3.085	5.2	20.3
12 7	5 12.21	+24 16.9	2.097	3.080	1.4	20.0
12 17	5 2.06	+23 53.7	2.098	3.074	2.7	20.1
12 27	4 52.64	+23 28.3	2.129	3.068	6.5	20.4
1 6	4 44.86	+23 3.4	2.188	3.061	10.0	20.6
1 16	4 39.35	+22 41.7	2.272	3.054	13.0	20.8
514137 2015 HQ_{153}		12 10.2 350°.86	5°.8/ 9.2 18			
11 7	5 35.33	+12 3.7	1.321	2.172	17.2	21.5
11 17	5 30.22	+11 15.5	1.257	2.170	13.2	21.2
11 27	5 22.19	+10 34.9	1.214	2.168	8.9	21.0
12 7	5 12.29	+10 6.2	1.195	2.166	5.9	20.8
12 17	5 1.93	+ 9 53.1	1.202	2.165	7.3	20.9
12 27	4 52.69	+ 9 57.6	1.235	2.164	11.3	21.1
1 6	4 45.84	+10 18.9	1.290	2.164	15.5	21.4
1 16	4 42.14	+10 54.7	1.365	2.164	19.2	21.6
144040 2004 BV_{25}		12 10.2 16°.28	1°.5/ 9.9 18			
11 7	5 35.14	+19 29.0	1.647	2.492	14.7	20.2
11 17	5 29.68	+19 21.5	1.578	2.493	10.8	20.0
11 27	5 21.71	+19 14.7	1.533	2.495	6.4	19.7
12 7	5 12.15	+19 9.0	1.515	2.497	2.1	19.4
12 17	5 2.22	+19 5.3	1.524	2.500	3.8	19.6
12 27	4 53.25	+19 4.8	1.561	2.503	8.3	19.8
1 6	4 46.34	+19 9.0	1.624	2.505	12.4	20.1
1 16	4 42.18	+19 18.8	1.708	2.509	15.9	20.3
127451 2002 PZ_{140}		12 10.2 157°.34	4°.3/11.0 18			
11 7	5 38.21	+37 28.3	2.893	3.682	10.5	20.0
11 17	5 31.29	+38 11.7	2.817	3.689	8.3	19.9
11 27	5 22.42	+38 45.8	2.768	3.695	6.1	19.7
12 7	5 12.31	+39 7.6	2.747	3.701	4.4	19.6
12 17	5 1.86	+39 15.6	2.756	3.706	4.6	19.6
12 27	4 52.06	+39 10.3	2.796	3.711	6.4	19.8
1 6	4 43.77	+38 54.5	2.864	3.715	8.7	19.9
1 16	4 37.61	+38 32.0	2.957	3.719	10.8	20.1
177540 2004 FU_{55}		12 10.2 269°.60	1°.8/ 9.9 18			
11 7	5 35.07	+17 57.5	1.913	2.750	13.3	20.2
11 17	5 29.41	+17 55.1	1.834	2.745	9.8	20.0
11 27	5 21.49	+17 54.8	1.780	2.740	5.9	19.7
12 7	5 12.11	+17 57.0	1.753	2.734	2.2	19.5
12 17	5 2.29	+18 1.9	1.755	2.729	3.6	19.5
12 27	4 53.23	+18 10.6	1.786	2.724	7.7	19.8
1 6	4 45.94	+18 23.6	1.843	2.718	11.5	20.0
1 16	4 41.09	+18 41.4	1.923	2.713	14.7	20.2
385783 2006 BV_{50}		12 10.2 20°.50	1°.1/10.4 16			
11 7	5 31.20	+26 2.7	2.257	3.092	11.6	20.7
11 17	5 26.27	+26 12.0	2.193	3.102	8.5	20.5
11 27	5 19.49	+26 17.4	2.153	3.112	5.1	20.4
12 7	5 11.60	+26 18.1	2.141	3.123	1.7	20.1
12 17	5 3.49	+26 14.1	2.159	3.135	2.7	20.2
12 27	4 56.13	+26 6.7	2.205	3.147	6.1	20.5
1 6	4 50.31	+25 57.7	2.279	3.160	9.3	20.7
1 16	4 46.56	+25 49.1	2.377	3.174	12.1	20.9
29444 1997 NR_{10}		12 10.2 102°.87	3°.0/ 9.7 18			
11 7	5 39.75	+15 34.4	1.742	2.573	14.6	20.3
11 17	5 32.61	+15 13.4	1.690	2.597	10.8	20.1
11 27	5 23.19	+14 56.1	1.663	2.620	6.7	19.9
12 7	5 12.49	+14 43.9	1.664	2.642	3.3	19.7
12 17	5 1.70	+14 38.1	1.694	2.663	4.6	19.9
12 27	4 52.05	+14 39.8	1.753	2.684	8.3	20.1
1 6	4 44.48	+14 49.4	1.838	2.705	11.9	20.4
1 16	4 39.56	+15 6.5	1.945	2.724	15.0	20.7
59121 1998 XR_{10}		12 10.2 351°.67	0°.2/10.2 18			
11 7	5 34.92	+23 52.2	1.219	2.082	17.6	18.7
11 17	5 30.39	+23 47.9	1.153	2.076	13.1	18.5
11 27	5 22.51	+23 39.5	1.107	2.072	7.8	18.2
12 7	5 12.42	+23 26.2	1.085	2.068	1.9	17.8
12 17	5 1.74	+23 8.9	1.088	2.066	4.1	17.9
12 27	4 52.31	+22 50.5	1.116	2.064	9.8	18.3
1 6	4 45.63	+22 34.7	1.167	2.064	14.9	18.5
1 16	4 42.53	+22 24.8	1.237	2.064	19.2	18.8
86574 2000 EY_{42}		12 10.2 154°.02	1°.3/10.4 18			
11 7	5 40.34	+26 39.5	1.878	2.706	13.9	19.8
11 17	5 33.31	+26 46.7	1.808	2.713	10.3	19.6
11 27	5 23.77	+26 48.3	1.762	2.720	6.2	19.4
12 7	5 12.67	+26 42.6	1.744	2.726	2.1	19.1
12 17	5 1.25	+26 29.5	1.755	2.731	3.3	19.2
12 27	4 50.85	+26 10.9	1.796	2.736	7.5	19.5
1 6	4 42.55	+25 50.4	1.864	2.741	11.3	19.7
1 16	4 37.02	+25 31.3	1.955	2.744	14.6	20.0

45772 2000 NR_{16} 12 10.2 90°.65 2°.0/10.0 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
11 7	5 41.89	+17 55.7	1.353	2.197	17.3	18.6
11 17	5 34.83	+18 1.4	1.302	2.216	12.7	18.4
11 27	5 24.76	+18 10.4	1.274	2.235	7.6	18.1
12 7	5 12.91	+18 22.2	1.271	2.254	2.6	17.9
12 17	5 0.83	+18 36.5	1.296	2.272	4.4	18.0
12 27	4 50.20	+18 53.7	1.349	2.289	9.3	18.4
1 6	4 42.24	+19 14.6	1.425	2.307	13.8	18.7
1 16	4 37.61	+19 39.7	1.523	2.324	17.5	19.0

267141 2000 EJ_{174} 12 10.2 281°.45 5°.1/ 9.4 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 33.06	+ 6 31.7	2.415	3.227	11.7	20.4
11 17	5 27.61	+ 6 19.5	2.317	3.203	9.2	20.2
11 27	5 20.35	+ 6 16.6	2.244	3.179	6.7	20.0
12 7	5 11.86	+ 6 25.1	2.198	3.155	5.1	19.8
12 17	5 2.89	+ 6 46.1	2.182	3.130	5.8	19.8
12 27	4 54.35	+ 7 19.9	2.195	3.105	8.2	19.9
1 6	4 47.06	+ 8 5.3	2.235	3.080	11.0	20.1
1 16	4 41.65	+ 9 0.3	2.299	3.055	13.6	20.2

392576 2011 SS_{130} 12 10.2 58°.27 2°.9/ 9.7 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 36.48	+16 26.0	1.566	2.411	15.3	21.0
11 17	5 30.48	+16 5.6	1.517	2.430	11.3	20.8
11 27	5 22.05	+15 48.8	1.490	2.449	6.9	20.6
12 7	5 12.23	+15 37.1	1.490	2.469	3.2	20.4
12 17	5 2.28	+15 31.8	1.517	2.489	4.6	20.6
12 27	4 53.50	+15 34.0	1.572	2.509	8.6	20.9
1 6	4 46.88	+15 44.3	1.652	2.529	12.5	21.1
1 16	4 43.01	+16 2.3	1.754	2.549	15.7	21.4

7464 Vipera 12 10.2 25°.25 4°.7/10.8 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 36.87	+30 50.0	1.085	1.946	19.4	17.1
11 17	5 32.02	+31 37.5	1.043	1.962	14.7	16.9
11 27	5 23.45	+32 13.2	1.022	1.980	9.5	16.7
12 7	5 12.62	+32 31.7	1.023	1.999	5.2	16.5
12 17	5 1.50	+32 31.2	1.048	2.020	6.0	16.6
12 27	4 52.20	+32 14.8	1.098	2.043	10.4	16.9
1 6	4 46.15	+31 49.2	1.169	2.066	14.9	17.2
1 16	4 44.01	+31 20.9	1.260	2.091	18.7	17.6

521516 2015 OF_{97} 12 10.2 17°.10 8°.7/12.3 17

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 38.56	+41 27.7	1.294	2.120	19.0	20.7
11 17	5 33.40	+42 11.5	1.240	2.127	15.4	20.5
11 27	5 24.35	+42 33.0	1.205	2.135	11.8	20.3
12 7	5 12.86	+42 25.7	1.192	2.144	9.1	20.1
12 17	5 0.97	+41 47.4	1.203	2.154	9.0	20.2
12 27	4 50.87	+40 43.0	1.239	2.166	11.5	20.3
1 6	4 44.11	+39 22.8	1.297	2.178	14.9	20.6
1 16	4 41.42	+37 57.3	1.375	2.191	18.2	20.8

86705 2000 FW_{64} 12 10.2 164°.06 0°.4/10.3 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 39.34	+25 29.2	1.753	2.587	14.4	19.2
11 17	5 32.68	+25 10.9	1.681	2.590	10.7	19.0
11 27	5 23.44	+24 46.4	1.633	2.593	6.3	18.7
12 7	5 12.61	+24 15.6	1.612	2.596	1.6	18.4
12 17	5 1.46	+23 39.9	1.621	2.598	3.3	18.5
12 27	4 51.39	+23 2.5	1.658	2.600	7.8	18.8
1 6	4 43.49	+22 27.3	1.722	2.601	12.0	19.1
1 16	4 38.43	+21 57.9	1.809	2.602	15.4	19.3

46664 1996 EK_{10} 12 10.2 21°.56 2°.1/ 9.8 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 35.19	+18 26.2	1.630	2.476	14.8	19.6
11 17	5 29.72	+18 11.0	1.563	2.478	10.9	19.3
11 27	5 21.75	+17 57.2	1.519	2.480	6.6	19.1
12 7	5 12.21	+17 45.7	1.501	2.483	2.5	18.8
12 17	5 2.30	+17 37.9	1.511	2.485	4.1	18.9
12 27	4 53.38	+17 35.2	1.549	2.489	8.5	19.2
1 6	4 46.52	+17 39.0	1.612	2.492	12.5	19.5
1 16	4 42.41	+17 49.7	1.697	2.496	16.0	19.7

76522 2000 GD_{51} 12 10.2 47°.92 6°.3/ 8.5 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 31.35	+ 6 9.2	2.137	2.958	12.7	18.7
11 17	5 26.25	+ 5 8.2	2.078	2.966	10.0	18.5
11 27	5 19.43	+ 4 16.5	2.044	2.975	7.6	18.4
12 7	5 11.61	+ 3 37.9	2.037	2.984	6.3	18.3
12 17	5 3.61	+ 3 15.2	2.057	2.993	7.0	18.4
12 27	4 56.34	+ 3 9.6	2.105	3.003	9.2	18.5
1 6	4 50.54	+ 3 20.2	2.179	3.012	11.7	18.7
1 16	4 46.70	+ 3 45.1	2.273	3.022	14.0	18.9

473502 2015 XT_{131} 12 10.2 213°.19 0°.3/10.3 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 35.18	+25 31.0	2.173	3.003	12.2	21.4
11 17	5 29.26	+25 8.6	2.093	3.001	9.0	21.2
11 27	5 21.30	+24 40.8	2.039	2.999	5.3	21.0
12 7	5 12.08	+24 7.9	2.013	2.997	1.4	20.7
12 17	5 2.59	+23 31.1	2.017	2.994	2.7	20.8
12 27	4 53.89	+22 53.1	2.051	2.992	6.6	21.0
1 6	4 46.87	+22 17.1	2.112	2.989	10.2	21.3
1 16	4 42.11	+21 45.9	2.198	2.986	13.2	21.5

332235 2006 HM_{153} 12 10.2 35°.05 4°.5/ 9.1 17

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
11 7	5 31.59	+11 3.0	2.123	2.954	12.4	20.7
11 17	5 26.50	+10 20.2	2.058	2.959	9.5	20.5
11 27	5 19.62	+ 9 43.3	2.017	2.964	6.5	20.4
12 7	5 11.66	+ 9 15.0	2.003	2.969	4.6	20.3
12 17	5 3.50	+ 8 57.6	2.019	2.975	5.5	20.3
12 27	4 56.05	+ 8 52.4	2.062	2.980	8.1	20.5
1 6	4 50.10	+ 8 59.3	2.132	2.986	11.1	20.7
1 16	4 46.16	+ 9 17.2	2.224	2.992	13.7	20.9

445649 2011 UE_{44} 12 10.2 111°.64 2°.6/ 9.5 15

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 36.61	+17 57.8	1.920	2.754	13.4	22.1
11 17	5 30.27	+17 11.9	1.858	2.767	9.9	21.9
11 27	5 21.84	+16 26.2	1.821	2.779	6.0	21.7
12 7	5 12.21	+15 43.0	1.812	2.791	2.8	21.5
12 17	5 2.43	+15 5.0	1.833	2.803	4.2	21.6
12 27	4 53.61	+14 35.0	1.882	2.814	7.8	21.9
1 6	4 46.63	+14 14.5	1.959	2.825	11.3	22.1
1 16	4 42.04	+14 4.4	2.058	2.836	14.3	22.3

89795 2002 AO_{126} 12 10.2 153°.34 0°.5/10.1 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 34.86	+21 59.3	2.157	2.989	12.2	20.4
11 17	5 29.01	+21 49.6	2.082	2.991	8.9	20.2
11 27	5 21.15	+21 37.9	2.033	2.994	5.3	20.0
12 7	5 12.07	+21 24.6	2.012	2.996	1.4	19.7
12 17	5 2.70	+21 10.4	2.021	2.998	2.8	19.8
12 27	4 54.09	+20 56.8	2.060	3.000	6.7	20.1
1 6	4 47.12	+20 45.8	2.126	3.001	10.2	20.3
1 16	4 42.38	+20 38.9	2.216	3.003	13.1	20.5

189412 1993 TZ_{43} 12 10.2 55°.95 2°.0/ 9.9 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 38.34	+19 33.5	1.335	2.187	17.0	20.2
11 17	5 32.18	+19 11.7	1.289	2.207	12.5	20.0
11 27	5 23.17	+18 50.4	1.265	2.228	7.4	19.8
12 7	5 12.54	+18 30.9	1.267	2.249	2.5	19.5
12 17	5 1.81	+18 14.8	1.295	2.270	4.4	19.7
12 27	4 52.52	+18 4.6	1.349	2.291	9.2	20.1
1 6	4 45.80	+18 1.7	1.428	2.313	13.6	20.4
1 16	4 42.23	+18 7.0	1.528	2.335	17.2	20.7

33540 1999 JH_{3} 12 10.2 182°.56 1°.0/10.0 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 38.17	+19 45.6	1.973	2.804	13.2	18.5
11 17	5 31.63	+19 49.8	1.897	2.805	9.7	18.3
11 27	5 22.80	+19 54.6	1.845	2.805	5.8	18.0
12 7	5 12.50	+19 59.6	1.822	2.805	1.7	17.8
12 17	5 1.81	+20 4.8	1.828	2.804	3.2	17.9
12 27	4 51.93	+20 11.0	1.864	2.803	7.4	18.1
1 6	4 43.87	+20 19.4	1.927	2.801	11.2	18.4
1 16	4 38.31	+20 31.1	2.014	2.798	14.4	18.6

393536 2002 UW_{6} 12 10.2 81°.29 2°.7/10.4 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 41.57	+27 38.0	1.821	2.647	14.3	20.8
11 17	5 34.30	+28 35.2	1.766	2.669	10.7	20.6
11 27	5 24.41	+29 27.3	1.736	2.690	6.6	20.4
12 7	5 12.90	+30 10.2	1.733	2.711	3.1	20.3
12 17	5 1.08	+30 41.3	1.760	2.732	4.0	20.4
12 27	4 50.37	+31 0.7	1.817	2.753	7.7	20.6
1 6	4 41.89	+31 11.1	1.900	2.774	11.3	20.9
1 16	4 36.31	+31 16.3	2.006	2.794	14.3	21.2

72461 2001 DV_{18} 12 10.2 338°.31 18°.1/13.7 17

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 57.78	+63 52.8	1.590	2.282	21.5	19.0
11 17	5 51.19	+65 59.8	1.531	2.274	20.1	18.9
11 27	5 36.91	+67 35.8	1.487	2.266	19.0	18.8
12 7	5 16.35	+68 25.5	1.460	2.259	18.3	18.7
12 17	4 53.55	+68 18.5	1.451	2.253	18.2	18.7
12 27	4 33.94	+67 15.6	1.459	2.247	18.7	18.7
1 6	4 21.29	+65 29.4	1.485	2.242	19.8	18.8
1 16	4 16.59	+63 16.2	1.527	2.238	21.2	18.9

469373 2001 RQ_{3} 12 10.2 66°.55 9°.2/ 9.3 16

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 44.77	+ 2 1.8	1.511	2.316	17.8	22.7
11 17	5 35.87	+ 0 41.9	1.497	2.370	14.2	22.7
11 27	5 24.83	− 0 18.1	1.506	2.423	11.0	22.6
12 7	5 12.90	− 0 53.4	1.541	2.474	9.3	22.6
12 17	5 1.39	− 1 2.1	1.603	2.525	9.9	22.8
12 27	4 51.50	− 0 45.7	1.692	2.574	12.0	23.0
1 6	4 44.03	− 0 8.9	1.804	2.622	14.4	23.3
1 16	4 39.34	+ 0 43.1	1.937	2.668	16.6	23.6

186732 2004 CR_{10} 12 10.2 225°.62 1°.9/ 9.9 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 38.50	+18 44.6	1.685	2.524	14.7	21.2
11 17	5 32.25	+18 30.4	1.606	2.517	11.0	20.9
11 27	5 23.35	+18 16.9	1.549	2.510	6.6	20.6
12 7	5 12.69	+18 4.8	1.520	2.502	2.4	20.4
12 17	5 1.51	+17 55.2	1.519	2.494	4.1	20.5
12 27	4 51.22	+17 50.0	1.547	2.485	8.6	20.7
1 6	4 43.00	+17 50.6	1.601	2.476	12.9	20.9
1 16	4 37.64	+17 58.3	1.676	2.467	16.5	21.2

300564 2007 TO_{327} 12 10.2 86°.11 2°.0/10.7 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
11 7	5 38.93	+28 51.1	1.761	2.593	14.5	21.1
11 17	5 32.35	+28 51.9	1.701	2.607	10.8	20.9
11 27	5 23.23	+28 44.5	1.664	2.621	6.6	20.7
12 7	5 12.62	+28 27.6	1.654	2.635	2.6	20.5
12 17	5 1.80	+28 1.6	1.673	2.648	3.6	20.6
12 27	4 52.15	+27 29.5	1.721	2.662	7.6	20.9
1 6	4 44.72	+26 55.5	1.795	2.676	11.4	21.1
1 16	4 40.14	+26 23.7	1.891	2.689	14.7	21.4

12535 1998 MZ_{30} 12 10.2 43°.96 6°.1/ 9.6 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 35.05	+ 8 44.8	1.524	2.363	16.0	17.5
11 17	5 29.58	+ 8 15.8	1.469	2.372	12.4	17.3
11 27	5 21.65	+ 7 58.3	1.437	2.383	8.7	17.1
12 7	5 12.24	+ 7 55.5	1.429	2.394	6.2	17.0
12 17	5 2.57	+ 8 8.8	1.448	2.405	7.1	17.0
12 27	4 53.96	+ 8 38.1	1.493	2.416	10.3	17.2
1 6	4 47.44	+ 9 21.2	1.563	2.428	13.8	17.5
1 16	4 43.64	+10 15.0	1.653	2.440	16.9	17.7

210073 2006 QZ_{18} 12 10.2 86°.39 2°.5/10.7 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 40.05	+30 0.8	1.902	2.726	13.9	20.6
11 17	5 32.97	+30 15.0	1.848	2.749	10.4	20.4
11 27	5 23.51	+30 20.7	1.819	2.772	6.5	20.2
12 7	5 12.67	+30 16.1	1.817	2.795	3.0	20.0
12 17	5 1.72	+30 1.0	1.844	2.817	3.7	20.1
12 27	4 51.92	+29 37.8	1.900	2.839	7.3	20.4
1 6	4 44.28	+29 10.4	1.984	2.860	10.7	20.6
1 16	4 39.37	+28 42.9	2.091	2.882	13.7	20.9

320447 2007 VU_{194} 12 10.2 160°.52 0°.1/10.2 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 42.03	+22 2.8	1.791	2.620	14.4	21.0
11 17	5 34.67	+22 21.3	1.720	2.627	10.6	20.7
11 27	5 24.68	+22 38.9	1.674	2.633	6.3	20.5
12 7	5 13.01	+22 53.8	1.656	2.639	1.5	20.2
12 17	5 0.93	+23 5.2	1.667	2.644	3.3	20.3
12 27	4 49.85	+23 13.8	1.708	2.648	7.8	20.6
1 6	4 40.92	+23 21.2	1.777	2.651	11.9	20.9
1 16	4 34.86	+23 29.8	1.868	2.654	15.3	21.1

192455 1998 BQ_{20} 12 10.2 20°.90 0°.9/10.0 17

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 32.66	+20 47.3	1.877	2.720	13.2	19.8
11 17	5 27.62	+20 43.0	1.813	2.727	9.7	19.6
11 27	5 20.44	+20 38.3	1.772	2.734	5.7	19.4
12 7	5 11.95	+20 33.4	1.759	2.742	1.6	19.1
12 17	5 3.19	+20 28.9	1.774	2.750	3.1	19.3
12 27	4 55.29	+20 26.1	1.817	2.759	7.2	19.5
1 6	4 49.18	+20 26.4	1.887	2.769	10.9	19.8
1 16	4 45.44	+20 30.8	1.979	2.779	14.0	20.0

14845 Hegel 12 10.2 10°.83 1°.8/ 9.7 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 29.55	+18 41.8	2.173	3.015	11.7	17.8
11 17	5 25.08	+18 17.8	2.107	3.019	8.6	17.6
11 27	5 18.85	+17 54.3	2.065	3.025	5.2	17.4
12 7	5 11.56	+17 32.6	2.050	3.031	2.1	17.2
12 17	5 4.06	+17 14.2	2.065	3.038	3.3	17.3
12 27	4 57.26	+17 0.7	2.108	3.046	6.7	17.5
1 6	4 51.92	+16 53.2	2.178	3.054	9.9	17.8
1 16	4 48.57	+16 52.3	2.272	3.064	12.7	18.0

445575 2011 QY_{57} 12 10.2 18°.45 4°.7/11.3 17

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 37.40	+33 58.0	1.399	2.239	17.1	20.9
11 17	5 32.03	+34 12.4	1.339	2.244	13.2	20.7
11 27	5 23.39	+34 12.4	1.299	2.250	8.8	20.4
12 7	5 12.72	+33 54.6	1.283	2.256	5.2	20.2
12 17	5 1.67	+33 18.7	1.293	2.263	5.6	20.3
12 27	4 52.05	+32 28.8	1.330	2.271	9.4	20.5
1 6	4 45.21	+31 32.2	1.390	2.280	13.5	20.8
1 16	4 41.88	+30 35.9	1.472	2.289	17.1	21.0

269322 2008 SR_{207} 12 10.2 25°.72 8°.5/12.6 17

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 40.77	+47 1.1	2.054	2.826	14.8	19.8
11 17	5 34.20	+47 49.6	1.988	2.831	12.5	19.7
11 27	5 24.57	+48 18.9	1.944	2.836	10.3	19.6
12 7	5 13.01	+48 23.7	1.923	2.842	8.8	19.5
12 17	5 1.03	+48 1.5	1.929	2.848	8.7	19.5
12 27	4 50.32	+47 14.6	1.961	2.854	10.0	19.6
1 6	4 42.19	+46 9.5	2.018	2.861	12.1	19.7
1 16	4 37.36	+44 54.2	2.098	2.867	14.3	19.9

301361 2009 CJ_{39} 12 10.2 16°.50 3°.3/ 9.7 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 35.11	+15 12.5	1.585	2.430	15.2	20.5
11 17	5 29.74	+14 55.7	1.518	2.431	11.3	20.2
11 27	5 21.83	+14 43.8	1.475	2.433	7.1	20.0
12 7	5 12.33	+14 38.2	1.457	2.435	3.6	19.8
12 17	5 2.45	+14 40.3	1.467	2.438	4.9	19.9
12 27	4 53.53	+14 51.0	1.504	2.441	9.0	20.1
1 6	4 46.69	+15 10.4	1.566	2.444	13.0	20.4
1 16	4 42.60	+15 37.8	1.650	2.447	16.5	20.6

489540 2007 RO_{172} 12 10.2 105°.43 2°.4/10.8 17

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
11 7	5 35.21	+31 4.2	2.693	3.506	10.6	22.1
11 17	5 29.02	+31 25.2	2.626	3.520	8.0	22.0
11 27	5 21.09	+31 39.7	2.586	3.534	5.1	21.8
12 7	5 12.11	+31 46.1	2.573	3.548	2.7	21.7
12 17	5 2.93	+31 43.7	2.592	3.561	3.2	21.7
12 27	4 54.44	+31 33.7	2.641	3.575	5.8	21.9
1 6	4 47.42	+31 18.5	2.718	3.588	8.4	22.1
1 16	4 42.37	+31 0.7	2.820	3.601	10.8	22.3

214726 2006 TP_{19} 12 10.2 36°.51 2°.4/ 9.7 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 34.63	+18 40.3	1.636	2.483	14.7	20.0
11 17	5 29.23	+18 3.6	1.575	2.491	10.8	19.7
11 27	5 21.44	+17 27.2	1.538	2.499	6.6	19.5
12 7	5 12.21	+16 53.1	1.527	2.508	2.7	19.3
12 17	5 2.76	+16 23.8	1.544	2.517	4.3	19.4
12 27	4 54.34	+16 2.1	1.588	2.526	8.5	19.7
1 6	4 47.97	+15 49.6	1.658	2.536	12.4	20.0
1 16	4 44.24	+15 47.0	1.749	2.546	15.7	20.2

210971 2001 VS_{7} 12 10.2 43°.87 2°.6/10.5 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 41.57	+26 57.1	0.941	1.808	21.2	19.8
11 17	5 35.64	+27 27.2	0.905	1.829	15.7	19.6
11 27	5 25.63	+27 49.0	0.888	1.851	9.5	19.3
12 7	5 13.26	+27 58.4	0.892	1.874	3.5	19.1
12 17	5 0.75	+27 54.3	0.921	1.898	5.0	19.2
12 27	4 50.41	+27 40.4	0.973	1.923	10.8	19.6
1 6	4 43.73	+27 22.7	1.047	1.948	15.9	20.0
1 16	4 41.29	+27 6.7	1.140	1.973	20.1	20.4

165548 2001 DO_{37} 12 10.2 249°.80 2°.3/ 9.8 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 36.03	+17 13.0	1.826	2.664	13.8	19.9
11 17	5 30.26	+17 1.1	1.747	2.657	10.3	19.7
11 27	5 22.12	+16 51.6	1.691	2.650	6.3	19.4
12 7	5 12.42	+16 45.3	1.663	2.644	2.7	19.2
12 17	5 2.26	+16 43.1	1.664	2.637	4.0	19.3
12 27	4 52.89	+16 46.2	1.693	2.629	8.1	19.5
1 6	4 45.37	+16 55.6	1.748	2.622	12.1	19.7
1 16	4 40.41	+17 11.7	1.825	2.615	15.4	19.9

113209 2002 RU_{114} 12 10.2 45°.61 16°.2/ 9.4 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 34.51	−19 14.9	1.721	2.439	19.2	19.1
11 17	5 28.98	−20 36.7	1.684	2.448	17.8	19.0
11 27	5 21.22	−21 25.5	1.664	2.456	16.7	19.0
12 7	5 12.16	−21 34.7	1.663	2.465	16.2	18.9
12 17	5 2.91	−21 1.5	1.681	2.474	16.4	19.0
12 27	4 54.66	−19 47.9	1.718	2.484	17.2	19.1
1 6	4 48.34	−18 0.5	1.774	2.494	18.3	19.2
1 16	4 44.53	−15 48.2	1.847	2.504	19.6	19.3

184017 2004 FP_{31} 12 10.2 92°.75 7°.0/10.1 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 51.74	+34 42.5	1.603	2.411	16.8	19.2
11 17	5 42.71	+36 50.0	1.550	2.433	13.2	19.1
11 27	5 29.87	+38 46.7	1.522	2.455	9.5	18.9
12 7	5 14.39	+40 21.8	1.522	2.477	7.1	18.8
12 17	4 58.12	+41 27.9	1.551	2.498	7.8	18.9
12 27	4 43.23	+42 4.3	1.608	2.519	10.6	19.1
1 6	4 31.46	+42 16.8	1.691	2.539	13.8	19.4
1 16	4 23.75	+42 14.0	1.795	2.559	16.6	19.6

327095 2004 XG_{56} 12 10.2 35°.67 0°.1/10.2 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 35.41	+21 25.3	1.929	2.766	13.2	20.1
11 17	5 29.68	+21 56.7	1.862	2.773	9.7	19.9
11 27	5 21.70	+22 28.6	1.820	2.781	5.7	19.7
12 7	5 12.30	+22 59.4	1.806	2.789	1.4	19.4
12 17	5 2.55	+23 27.6	1.820	2.798	2.9	19.5
12 27	4 53.62	+23 53.1	1.864	2.806	7.1	19.8
1 6	4 46.50	+24 16.5	1.935	2.816	10.8	20.1
1 16	4 41.85	+24 39.0	2.029	2.825	13.9	20.3

383580 2007 FA_{3} 12 10.2 188°.86 1°.8/10.6 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 40.36	+28 53.2	2.716	3.522	10.7	22.5
11 17	5 32.84	+29 9.4	2.629	3.521	8.0	22.3
11 27	5 23.39	+29 20.1	2.568	3.519	5.0	22.1
12 7	5 12.71	+29 23.4	2.538	3.516	2.2	21.9
12 17	5 1.68	+29 18.7	2.539	3.512	2.9	21.9
12 27	4 51.29	+29 7.0	2.573	3.507	5.9	22.1
1 6	4 42.39	+28 50.7	2.636	3.500	8.8	22.3
1 16	4 35.60	+28 32.7	2.725	3.493	11.4	22.5

511801 2015 FS_{72} 12 10.2 250°.34 3°.9/ 9.5 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 37.62	+15 26.2	1.490	2.335	16.0	21.9
11 17	5 31.82	+14 51.2	1.416	2.328	12.0	21.6
11 27	5 23.19	+14 19.5	1.364	2.322	7.7	21.4
12 7	5 12.71	+13 53.8	1.338	2.316	4.1	21.1
12 17	5 1.70	+13 36.7	1.340	2.309	5.6	21.2
12 27	4 51.67	+13 30.6	1.368	2.302	9.9	21.4
1 6	4 43.90	+13 36.3	1.421	2.295	14.3	21.7
1 16	4 39.16	+13 53.7	1.494	2.288	18.1	21.9

279760 1999 EB_2 12 10.2 302°.64 2°.7/ 9.6 17

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
11 7	5 31.84	+15 44.9	2.204	3.039	11.9	20.8
11 17	5 26.87	+15 19.9	2.117	3.025	8.9	20.6
11 27	5 20.00	+14 57.2	2.054	3.010	5.6	20.4
12 7	5 11.90	+14 38.4	2.019	2.996	2.9	20.2
12 17	5 3.40	+14 25.0	2.013	2.982	4.0	20.3
12 27	4 55.48	+14 18.5	2.037	2.969	7.3	20.4
1 6	4 49.00	+14 19.8	2.087	2.955	10.7	20.6
1 16	4 44.57	+14 29.1	2.160	2.942	13.6	20.8

510234 2011 FN_6 12 10.2 178°.40 2°.8/ 9.7 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 37.79	+15 30.0	2.110	2.935	12.7	22.4
11 17	5 31.16	+15 9.2	2.034	2.937	9.5	22.2
11 27	5 22.46	+14 51.2	1.984	2.939	5.9	22.0
12 7	5 12.49	+14 37.3	1.963	2.940	3.0	21.8
12 17	5 2.20	+14 28.7	1.971	2.940	4.1	21.9
12 27	4 52.69	+14 26.7	2.010	2.939	7.6	22.1
1 6	4 44.84	+14 32.0	2.075	2.938	11.0	22.3
1 16	4 39.27	+14 44.7	2.165	2.936	13.9	22.5

449121 2013 AZ_4 12 10.2 261°.86 0°.8/10.4 15

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 37.40	+25 57.7	1.932	2.764	13.4	21.7
11 17	5 31.38	+25 50.5	1.840	2.747	10.0	21.5
11 27	5 22.85	+25 37.7	1.772	2.731	6.0	21.2
12 7	5 12.63	+25 18.4	1.731	2.714	1.8	20.9
12 17	5 1.86	+24 53.0	1.720	2.697	3.1	20.9
12 27	4 51.84	+24 23.7	1.738	2.680	7.5	21.2
1 6	4 43.72	+23 54.2	1.783	2.662	11.6	21.4
1 16	4 38.25	+23 27.8	1.851	2.644	15.1	21.6

284915 2010 AX_{91} 12 10.2 80°.23 5°.4/ 9.7 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 36.54	+ 9 14.6	1.661	2.492	15.2	20.1
11 17	5 30.55	+ 8 56.9	1.602	2.503	11.7	19.9
11 27	5 22.20	+ 8 49.7	1.567	2.513	8.1	19.7
12 7	5 12.43	+ 8 55.3	1.557	2.524	5.5	19.6
12 17	5 2.40	+ 9 14.5	1.576	2.534	6.4	19.7
12 27	4 53.35	+ 9 47.1	1.622	2.545	9.6	19.9
1 6	4 46.29	+10 31.1	1.692	2.555	13.0	20.1
1 16	4 41.85	+11 24.0	1.785	2.566	16.1	20.4

451599 2012 CS_{36} 12 10.2 313°.40 3°.1/10.8 17

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 36.33	+30 55.2	1.834	2.665	14.0	21.3
11 17	5 30.77	+31 14.3	1.752	2.655	10.7	21.1
11 27	5 22.55	+31 25.1	1.693	2.646	6.9	20.9
12 7	5 12.56	+31 24.7	1.661	2.637	3.6	20.6
12 17	5 2.03	+31 12.2	1.657	2.629	4.2	20.7
12 27	4 52.38	+30 49.1	1.681	2.620	7.9	20.9
1 6	4 44.80	+30 19.5	1.730	2.612	11.8	21.1
1 16	4 40.08	+29 48.2	1.803	2.604	15.1	21.3

11333 Forman 12 10.2 48°.95 4°.0/ 9.7 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 37.46	+15 22.5	1.262	2.116	17.7	17.6
11 17	5 31.62	+14 48.5	1.219	2.136	13.1	17.3
11 27	5 22.92	+14 20.2	1.197	2.156	8.2	17.1
12 7	5 12.60	+14 0.1	1.200	2.177	4.3	17.0
12 17	5 2.17	+13 50.5	1.229	2.199	5.7	17.1
12 27	4 53.19	+13 52.6	1.284	2.221	10.1	17.4
1 6	4 46.80	+14 6.4	1.362	2.243	14.3	17.7
1 16	4 43.56	+14 30.5	1.460	2.265	17.9	18.0

443626 2014 MM_{36} 12 10.2 260°.07 8°.8/10.1 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 36.65	− 1 52.1	1.844	2.638	15.4	20.7
11 17	5 30.55	− 2 4.5	1.774	2.636	12.9	20.5
11 27	5 22.22	− 1 57.3	1.725	2.633	10.4	20.3
12 7	5 12.46	− 1 27.0	1.702	2.631	8.9	20.3
12 17	5 2.32	− 0 32.5	1.706	2.628	9.3	20.3
12 27	4 52.94	+ 0 44.1	1.737	2.626	11.3	20.4
1 6	4 45.32	+ 2 18.2	1.793	2.623	13.9	20.6
1 16	4 40.13	+ 4 4.3	1.871	2.620	16.5	20.7

361781 2008 AF_{87} 12 10.2 349°.94 0°.2/10.2 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 35.22	+23 29.6	1.589	2.436	15.0	21.0
11 17	5 30.02	+23 31.3	1.517	2.433	11.1	20.7
11 27	5 22.12	+23 30.3	1.467	2.430	6.6	20.5
12 7	5 12.46	+23 25.6	1.444	2.427	1.7	20.1
12 17	5 2.33	+23 17.6	1.447	2.425	3.4	20.3
12 27	4 53.17	+23 8.0	1.479	2.424	8.3	20.5
1 6	4 46.19	+22 59.4	1.535	2.423	12.6	20.8
1 16	4 42.14	+22 54.3	1.613	2.422	16.3	21.0

216817 2006 UX_{95} 12 10.2 257°.10 1°.4/ 9.9 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 35.25	+19 32.3	1.921	2.758	13.2	21.2
11 17	5 29.57	+19 23.5	1.845	2.756	9.8	21.0
11 27	5 21.66	+19 15.0	1.793	2.754	5.8	20.7
12 7	5 12.33	+19 7.2	1.769	2.752	1.9	20.5
12 17	5 2.62	+19 0.9	1.774	2.749	3.4	20.6
12 27	4 53.71	+18 57.5	1.808	2.747	7.5	20.8
1 6	4 46.57	+18 58.2	1.868	2.745	11.3	21.0
1 16	4 41.88	+19 4.1	1.952	2.743	14.5	21.3

517560 2014 TH_{38} 12 10.2 82°.93 3°.8/ 9.2 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
11 7	5 33.07	+12 44.6	2.201	3.030	12.1	21.4
11 17	5 27.52	+12 4.5	2.140	3.042	9.1	21.3
11 27	5 20.23	+11 28.9	2.105	3.055	6.0	21.1
12 7	5 11.94	+11 0.3	2.097	3.067	3.9	21.0
12 17	5 3.49	+10 40.6	2.119	3.079	4.8	21.1
12 27	4 55.80	+10 31.1	2.170	3.092	7.6	21.3
1 6	4 49.61	+10 32.2	2.247	3.104	10.5	21.5
1 16	4 45.41	+10 43.1	2.348	3.116	13.0	21.7

352857 2008 WB_{84} 12 10.2 99°.70 1°.6/10.6 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 40.37	+28 1.0	1.796	2.625	14.4	20.5
11 17	5 33.31	+27 57.6	1.738	2.643	10.7	20.3
11 27	5 23.78	+27 46.6	1.704	2.662	6.5	20.1
12 7	5 12.82	+27 27.0	1.698	2.680	2.3	19.9
12 17	5 1.72	+26 59.5	1.721	2.697	3.3	20.0
12 27	4 51.82	+26 27.0	1.774	2.715	7.5	20.3
1 6	4 44.15	+25 53.8	1.852	2.731	11.2	20.5
1 16	4 39.28	+25 23.5	1.955	2.748	14.4	20.8

45966 2001 BS_{23} 12 10.2 194°.20 2°.9/10.9 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 42.12	+30 59.5	1.705	2.530	15.2	19.7
11 17	5 35.09	+31 3.8	1.628	2.529	11.5	19.5
11 27	5 25.10	+30 57.7	1.574	2.527	7.4	19.2
12 7	5 13.20	+30 38.4	1.547	2.525	3.5	19.0
12 17	5 0.85	+30 5.7	1.548	2.522	4.2	19.0
12 27	4 49.63	+29 22.8	1.578	2.518	8.4	19.3
1 6	4 40.85	+28 35.4	1.635	2.514	12.5	19.5
1 16	4 35.26	+27 49.3	1.714	2.509	16.0	19.7

323270 2003 SA_{346} 12 10.2 131°.94 4°.4/11.4 17

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 37.96	+37 19.7	2.526	3.323	11.7	21.2
11 17	5 31.32	+37 47.2	2.454	3.331	9.2	21.1
11 27	5 22.57	+38 3.8	2.408	3.339	6.6	20.9
12 7	5 12.54	+38 6.9	2.389	3.347	4.6	20.8
12 17	5 2.23	+37 55.4	2.400	3.355	4.8	20.8
12 27	4 52.75	+37 30.8	2.440	3.362	6.8	21.0
1 6	4 45.00	+36 56.7	2.508	3.369	9.4	21.2
1 16	4 39.58	+36 17.7	2.600	3.376	11.7	21.3

376264 2011 FD_{19} 12 10.2 195°.38 2°.3/10.7 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 34.84	+30 33.5	2.729	3.543	10.4	21.0
11 17	5 28.87	+30 54.9	2.646	3.541	7.9	20.8
11 27	5 21.10	+31 10.4	2.590	3.540	5.1	20.6
12 7	5 12.19	+31 18.3	2.562	3.538	2.6	20.5
12 17	5 2.96	+31 17.9	2.565	3.535	3.1	20.5
12 27	4 54.32	+31 10.0	2.599	3.533	5.8	20.7
1 6	4 47.07	+30 56.6	2.660	3.530	8.6	20.9
1 16	4 41.78	+30 40.6	2.747	3.527	11.0	21.0

239105 Marcocattaneo 12 10.2 146°.61 0°.1/10.2 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 38.20	+25 10.8	1.852	2.686	13.8	20.5
11 17	5 31.73	+24 39.9	1.781	2.690	10.2	20.3
11 27	5 22.90	+24 2.8	1.734	2.694	6.0	20.0
12 7	5 12.63	+23 20.0	1.715	2.698	1.5	19.7
12 17	5 2.12	+22 33.8	1.725	2.702	3.1	19.9
12 27	4 52.62	+21 47.6	1.765	2.706	7.5	20.1
1 6	4 45.16	+21 5.5	1.831	2.709	11.4	20.4
1 16	4 40.33	+20 30.4	1.920	2.712	14.7	20.6

228138 2009 RB_{33} 12 10.2 104°.55 4°.2/10.9 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 43.29	+32 13.5	1.575	2.401	16.2	20.8
11 17	5 36.06	+32 50.7	1.516	2.415	12.3	20.6
11 27	5 25.68	+33 17.2	1.479	2.429	8.1	20.3
12 7	5 13.34	+33 28.3	1.469	2.442	4.7	20.2
12 17	5 0.65	+33 22.4	1.486	2.455	5.2	20.2
12 27	4 49.34	+33 1.8	1.532	2.468	8.9	20.5
1 6	4 40.73	+32 32.1	1.603	2.480	12.8	20.8
1 16	4 35.54	+31 59.4	1.695	2.492	16.1	21.0

35730 1999 GM_7 12 10.2 127°.37 0°.6/10.1 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 41.85	+21 58.9	1.596	2.432	15.5	19.5
11 17	5 34.63	+21 51.7	1.535	2.445	11.4	19.3
11 27	5 24.68	+21 42.2	1.498	2.459	6.7	19.0
12 7	5 13.08	+21 30.3	1.488	2.472	1.7	18.7
12 17	5 1.24	+21 16.6	1.507	2.484	3.6	18.9
12 27	4 50.62	+21 3.4	1.554	2.495	8.3	19.2
1 6	4 42.39	+20 53.3	1.628	2.506	12.6	19.5
1 16	4 37.20	+20 48.5	1.723	2.516	16.1	19.8

473650 2015 XS_{332} 12 10.2 62°.62 0°.1/10.2 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 37.49	+21 34.3	1.864	2.699	13.7	20.6
11 17	5 31.08	+21 57.5	1.812	2.722	10.0	20.4
11 27	5 22.45	+22 20.3	1.785	2.745	5.8	20.2
12 7	5 12.52	+22 41.1	1.785	2.769	1.4	20.0
12 17	5 2.41	+22 59.2	1.815	2.792	3.0	20.1
12 27	4 53.32	+23 14.9	1.874	2.816	7.1	20.4
1 6	4 46.18	+23 29.4	1.960	2.839	10.7	20.7
1 16	4 41.58	+23 44.2	2.069	2.862	13.7	21.0

522174 2016 AF_{256} 12 10.2 61°.49 3°.3/ 9.7 17

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
11 7	5 32.89	+12 25.9	2.226	3.055	12.0	21.3
11 17	5 27.47	+12 18.0	2.159	3.061	9.0	21.1
11 27	5 20.28	+12 16.0	2.117	3.068	5.9	20.9
12 7	5 11.99	+12 20.9	2.102	3.075	3.5	20.8
12 17	5 3.47	+12 33.3	2.117	3.082	4.3	20.9
12 27	4 55.63	+12 53.3	2.161	3.089	7.2	21.1
1 6	4 49.24	+13 20.6	2.232	3.096	10.3	21.3
1 16	4 44.84	+13 54.0	2.327	3.103	12.9	21.5

460545 2014 TY_{48} 12 10.2 7°.61 0°.4/10.3 18

11 7	5 34.17	+22 57.7	2.198	3.030	12.0	20.7
11 17	5 28.63	+23 19.6	2.122	3.031	8.8	20.5
11 27	5 21.07	+23 40.5	2.071	3.031	5.2	20.3
12 7	5 12.21	+23 59.1	2.049	3.032	1.4	20.1
12 17	5 2.99	+24 14.7	2.056	3.033	2.7	20.2
12 27	4 54.45	+24 27.5	2.093	3.034	6.5	20.4
1 6	4 47.48	+24 38.7	2.157	3.035	9.9	20.6
1 16	4 42.72	+24 49.7	2.245	3.036	12.8	20.8

439602 2014 ES_{19} 12 10.2 168°.71 1°.7/ 9.9 18

11 7	5 37.51	+18 12.4	1.987	2.817	13.1	21.5
11 17	5 31.12	+18 5.2	1.913	2.821	9.7	21.3
11 27	5 22.53	+17 59.5	1.865	2.824	5.8	21.1
12 7	5 12.57	+17 55.5	1.845	2.826	2.2	20.8
12 17	5 2.28	+17 53.9	1.854	2.828	3.5	20.9
12 27	4 52.81	+17 55.8	1.893	2.829	7.4	21.2
1 6	4 45.11	+18 2.2	1.959	2.830	11.1	21.4
1 16	4 39.83	+18 13.7	2.048	2.831	14.2	21.6

409209 2003 WN_{44} 12 10.2 355°.86 3°.9/11.3 17

11 7	5 34.89	+34 18.2	1.805	2.632	14.4	19.9
11 17	5 29.68	+34 16.9	1.730	2.629	11.1	19.7
11 27	5 21.87	+34 2.9	1.678	2.626	7.4	19.5
12 7	5 12.42	+33 33.9	1.652	2.624	4.3	19.3
12 17	5 2.62	+32 50.4	1.653	2.623	4.6	19.3
12 27	4 53.86	+31 55.8	1.683	2.622	7.9	19.5
1 6	4 47.26	+30 55.7	1.738	2.622	11.6	19.7
1 16	4 43.50	+29 55.9	1.816	2.623	14.8	19.9

409693 2006 BQ_{9} 12 10.2 278°.78 1°.5/10.7 18

11 7	5 35.42	+29 4.6	2.190	3.015	12.2	20.3
11 17	5 29.61	+28 44.0	2.102	3.005	9.2	20.1
11 27	5 21.66	+28 15.1	2.038	2.995	5.6	19.9
12 7	5 12.36	+27 37.6	2.003	2.984	2.1	19.6
12 17	5 2.72	+26 52.5	1.998	2.974	3.0	19.7
12 27	4 53.84	+26 2.7	2.022	2.963	6.7	19.9
1 6	4 46.68	+25 12.4	2.075	2.953	10.2	20.1
1 16	4 41.85	+24 25.3	2.151	2.943	13.3	20.3

357302 2002 VM_{147} 12 10.2 343°.91 1°.8/ 9.8 18

11 7	5 33.79	+21 13.4	1.499	2.352	15.4	20.5
11 17	5 29.03	+20 28.6	1.426	2.345	11.4	20.2
11 27	5 21.57	+19 40.1	1.375	2.339	6.8	19.9
12 7	5 12.37	+18 50.3	1.350	2.333	2.3	19.7
12 17	5 2.75	+18 2.5	1.352	2.328	4.2	19.8
12 27	4 54.14	+17 21.0	1.381	2.323	9.0	20.0
1 6	4 47.73	+16 49.2	1.434	2.320	13.5	20.3
1 16	4 44.23	+16 29.1	1.509	2.317	17.3	20.5

404719 2014 JW_{13} 12 10.2 281°.46 0°.9/10.1 18

11 7	5 36.89	+20 9.6	1.692	2.533	14.5	21.5
11 17	5 31.23	+20 17.0	1.609	2.522	10.8	21.2
11 27	5 22.90	+20 25.5	1.548	2.510	6.5	20.9
12 7	5 12.74	+20 34.3	1.515	2.498	1.8	20.6
12 17	5 1.94	+20 43.3	1.509	2.486	3.6	20.7
12 27	4 51.94	+20 53.2	1.532	2.474	8.3	21.0
1 6	4 43.95	+21 5.1	1.580	2.462	12.7	21.2
1 16	4 38.81	+21 20.4	1.651	2.450	16.4	21.4

409158 2003 UL_{172} 12 10.2 51°.63 2°.1/10.4 18

11 7	5 37.30	+26 52.8	1.937	2.768	13.4	20.2
11 17	5 31.07	+27 35.1	1.881	2.787	9.9	20.0
11 27	5 22.53	+28 12.9	1.850	2.807	6.1	19.9
12 7	5 12.58	+28 43.6	1.847	2.827	2.5	19.7
12 17	5 2.37	+29 5.5	1.872	2.847	3.5	19.8
12 27	4 53.13	+29 18.9	1.927	2.867	7.1	20.0
1 6	4 45.84	+29 26.2	2.009	2.887	10.5	20.3
1 16	4 41.13	+29 30.0	2.114	2.908	13.5	20.5

99936 2002 RH_{183} 12 10.2 226°.62 4°.6/11.8 18

11 7	5 37.67	+39 32.2	2.649	3.438	11.4	19.3
11 17	5 31.12	+39 40.4	2.562	3.432	9.1	19.1
11 27	5 22.49	+39 36.0	2.499	3.425	6.7	19.0
12 7	5 12.57	+39 16.8	2.464	3.418	4.9	18.8
12 17	5 2.36	+38 42.2	2.459	3.411	4.9	18.8
12 27	4 52.94	+37 54.1	2.483	3.404	6.8	18.9
1 6	4 45.21	+36 56.8	2.536	3.397	9.3	19.1
1 16	4 39.78	+35 55.2	2.613	3.389	11.7	19.2

128337 2004 FD_{111} 12 10.2 265°.90 5°.6/ 8.9 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
11 7	5 36.64	+12 2.3	1.612	2.450	15.3	20.2
11 17	5 31.02	+11 2.8	1.529	2.435	11.8	20.0
11 27	5 22.75	+10 7.6	1.469	2.419	8.1	19.7
12 7	5 12.70	+ 9 21.3	1.435	2.403	5.7	19.5
12 17	5 2.06	+ 8 48.1	1.428	2.387	6.9	19.6
12 27	4 52.23	+ 8 31.2	1.449	2.370	10.6	19.8
1 6	4 44.40	+ 8 31.7	1.493	2.354	14.6	19.9
1 16	4 39.39	+ 8 48.4	1.558	2.337	18.1	20.1

301142 2008 XF_{48} 12 10.2 253°.44 0°.6/10.1 18

11 7	5 36.87	+22 9.1	1.904	2.739	13.4	21.4
11 17	5 30.94	+21 57.8	1.817	2.727	10.0	21.1
11 27	5 22.60	+21 44.0	1.754	2.714	5.9	20.9
12 7	5 12.65	+21 27.9	1.718	2.702	1.5	20.5
12 17	5 2.19	+21 10.2	1.712	2.689	3.2	20.6
12 27	4 52.48	+20 52.8	1.735	2.676	7.6	20.9
1 6	4 44.62	+20 38.4	1.784	2.662	11.7	21.1
1 16	4 39.34	+20 29.0	1.857	2.648	15.1	21.3

147360 2003 CY_{8} 12 10.2 227°.17 0°.3/10.1 18

11 7	5 35.50	+23 19.2	2.184	3.015	12.1	20.3
11 17	5 29.59	+22 57.9	2.101	3.009	8.9	20.1
11 27	5 21.63	+22 33.0	2.043	3.003	5.3	19.9
12 7	5 12.38	+22 4.7	2.013	2.996	1.3	19.6
12 17	5 2.80	+21 34.5	2.013	2.990	2.8	19.7
12 27	4 53.94	+21 4.6	2.043	2.983	6.7	19.9
1 6	4 46.71	+20 37.7	2.101	2.976	10.3	20.1
1 16	4 41.72	+20 15.9	2.182	2.968	13.3	20.3

72730 2001 FR_{99} 12 10.2 20°.65 1°.8/10.4 17

11 7	5 36.18	+26 34.3	2.104	2.933	12.6	19.3
11 17	5 30.29	+27 12.7	2.029	2.934	9.3	19.1
11 27	5 22.14	+27 47.8	1.979	2.936	5.7	18.9
12 7	5 12.53	+28 17.2	1.957	2.937	2.3	18.7
12 17	5 2.48	+28 39.1	1.964	2.939	3.3	18.7
12 27	4 53.16	+28 53.5	2.001	2.941	6.9	19.0
1 6	4 45.59	+29 2.3	2.065	2.943	10.3	19.2
1 16	4 40.45	+29 7.9	2.153	2.944	13.3	19.4

34465 2000 SD_{102} 12 10.2 338°.30 3°.5/10.9 17

11 7	5 36.70	+32 5.7	1.854	2.681	14.0	19.4
11 17	5 31.01	+32 27.5	1.777	2.677	10.7	19.2
11 27	5 22.70	+32 39.9	1.724	2.674	7.1	18.9
12 7	5 12.68	+32 40.0	1.697	2.671	4.0	18.7
12 17	5 2.18	+32 26.9	1.698	2.668	4.5	18.8
12 27	4 52.62	+32 2.3	1.727	2.665	7.9	19.0
1 6	4 45.17	+31 30.4	1.783	2.663	11.5	19.2
1 16	4 40.55	+30 56.2	1.861	2.661	14.8	19.4

355498 2007 XW_{34} 12 10.2 283°.15 1°.9/10.7 18

11 7	5 37.29	+29 15.1	1.809	2.641	14.1	20.4
11 17	5 31.41	+29 3.1	1.726	2.632	10.6	20.2
11 27	5 22.92	+28 41.9	1.666	2.623	6.6	19.9
12 7	5 12.73	+28 10.5	1.634	2.615	2.6	19.6
12 17	5 2.09	+27 29.5	1.630	2.606	3.5	19.7
12 27	4 52.40	+26 42.2	1.654	2.597	7.8	19.9
1 6	4 44.80	+25 53.6	1.705	2.588	11.8	20.1
1 16	4 40.02	+25 8.3	1.779	2.580	15.3	20.4

317690 2003 OA_{17} 12 10.2 158°.66 3°.7/ 9.7 18

11 7	5 33.57	+11 23.5	2.311	3.134	11.8	20.6
11 17	5 27.96	+11 11.8	2.238	3.136	8.9	20.4
11 27	5 20.58	+11 6.2	2.190	3.138	6.0	20.3
12 7	5 12.12	+11 8.1	2.170	3.140	3.8	20.1
12 17	5 3.38	+11 18.3	2.180	3.142	4.6	20.2
12 27	4 55.28	+11 37.1	2.220	3.143	7.3	20.4
1 6	4 48.58	+12 3.9	2.286	3.145	10.3	20.5
1 16	4 43.83	+12 37.8	2.377	3.146	12.9	20.7

56591 2000 JP_{37} 12 10.2 55°.48 0°.1/10.2 18

11 7	5 39.26	+24 28.0	1.334	2.184	17.2	17.9
11 17	5 33.02	+24 3.4	1.286	2.203	12.6	17.7
11 27	5 23.82	+23 33.2	1.259	2.222	7.4	17.5
12 7	5 12.93	+22 58.1	1.258	2.242	1.8	17.2
12 17	5 1.94	+22 20.4	1.283	2.261	3.7	17.4
12 27	4 52.46	+21 44.2	1.336	2.281	8.9	17.7
1 6	4 45.65	+21 13.6	1.413	2.301	13.4	18.0
1 16	4 42.10	+20 51.3	1.511	2.321	17.1	18.3

99812 2002 LW_{31} 12 10.2 66°.61 0°.3/10.2 18 R

11 7	5 34.75	+23 7.8	2.128	2.961	12.3	18.9
11 17	5 28.87	+22 50.5	2.070	2.979	9.0	18.8
11 27	5 21.10	+22 30.4	2.037	2.997	5.2	18.6
12 7	5 12.25	+22 7.8	2.032	3.016	1.3	18.3
12 17	5 3.27	+21 44.1	2.057	3.034	2.7	18.5
12 27	4 55.17	+21 21.2	2.111	3.052	6.5	18.7
1 6	4 48.76	+21 1.4	2.193	3.070	9.8	19.0
1 16	4 44.54	+20 46.3	2.299	3.088	12.6	19.2

82536 2001 OM_{64} 12 10.2 140°.13 0°.3/10.3 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
11 7	5 40.86	+24 30.0	1.910	2.737	13.7	20.8
11 17	5 33.62	+24 23.6	1.844	2.750	10.1	20.6
11 27	5 24.02	+24 12.9	1.803	2.762	6.0	20.4
12 7	5 13.00	+23 57.2	1.790	2.773	1.5	20.1
12 17	5 1.76	+23 37.4	1.807	2.784	3.0	20.2
12 27	4 51.55	+23 15.5	1.854	2.794	7.3	20.5
1 6	4 43.39	+22 54.6	1.928	2.803	11.1	20.8
1 16	4 37.89	+22 37.5	2.026	2.811	14.2	21.0

20420 Marashwhitman 12 10.2 94°.69 1°.0/10.1 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 37.09	+20 50.3	1.829	2.666	13.8	19.0
11 17	5 30.92	+20 40.9	1.766	2.677	10.1	18.8
11 27	5 22.46	+20 30.8	1.728	2.688	6.0	18.6
12 7	5 12.62	+20 20.0	1.716	2.699	1.7	18.3
12 17	5 2.54	+20 9.4	1.734	2.710	3.3	18.5
12 27	4 53.44	+20 0.7	1.781	2.721	7.5	18.8
1 6	4 46.29	+19 55.6	1.854	2.732	11.3	19.0
1 16	4 41.70	+19 55.5	1.950	2.743	14.5	19.3

414615 2009 UP_{147} 12 10.2 103°.70 2°.0/10.5 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 37.46	+28 14.4	2.451	3.268	11.4	20.9
11 17	5 30.85	+28 50.1	2.386	3.285	8.5	20.8
11 27	5 22.31	+29 21.0	2.348	3.301	5.3	20.6
12 7	5 12.58	+29 44.9	2.339	3.317	2.4	20.4
12 17	5 2.60	+30 0.5	2.360	3.333	3.1	20.5
12 27	4 53.36	+30 8.5	2.412	3.348	6.1	20.7
1 6	4 45.72	+30 10.7	2.493	3.363	9.1	20.9
1 16	4 40.24	+30 9.6	2.598	3.378	11.6	21.1

413799 2006 JN_1 12 10.2 139°.81 2°.2/ 9.5 17

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 32.73	+17 46.5	2.482	3.311	10.9	21.4
11 17	5 27.24	+17 5.7	2.408	3.314	8.0	21.2
11 27	5 20.11	+16 25.1	2.360	3.317	4.9	21.0
12 7	5 12.03	+15 46.4	2.341	3.320	2.3	20.8
12 17	5 3.75	+15 11.5	2.353	3.323	3.4	20.9
12 27	4 56.12	+14 42.5	2.395	3.326	6.5	21.1
1 6	4 49.85	+14 21.0	2.465	3.328	9.4	21.3
1 16	4 45.41	+14 7.7	2.558	3.331	12.0	21.5

222213 2000 EO_{100} 12 10.2 338°.97 0°.3/10.2 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 33.15	+23 8.1	1.093	1.964	18.5	20.1
11 17	5 29.60	+22 57.9	1.021	1.949	13.9	19.8
11 27	5 22.44	+22 43.8	0.969	1.935	8.3	19.4
12 7	5 12.74	+22 25.7	0.939	1.923	2.1	19.0
12 17	5 2.19	+22 4.8	0.933	1.912	4.4	19.1
12 27	4 52.86	+21 44.5	0.951	1.902	10.7	19.5
1 6	4 46.42	+21 29.0	0.991	1.894	16.3	19.7
1 16	4 43.86	+21 21.2	1.048	1.888	21.0	20.0

442788 2012 XY_{150} 12 10.2 51°.56 0°.8/10.2 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 39.20	+18 29.0	1.500	2.343	16.0	20.3
11 17	5 32.92	+19 10.8	1.443	2.357	11.8	20.1
11 27	5 23.84	+19 56.7	1.409	2.371	6.9	19.8
12 7	5 13.00	+20 44.4	1.402	2.385	1.9	19.5
12 17	5 1.77	+21 31.2	1.423	2.400	3.6	19.7
12 27	4 51.69	+22 15.7	1.472	2.415	8.5	20.0
1 6	4 43.97	+22 57.9	1.546	2.430	12.7	20.3
1 16	4 39.31	+23 38.4	1.642	2.446	16.3	20.6

430130 2013 TV_{35} 12 10.2 152°.23 2°.7/10.8 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 42.57	+29 51.9	1.621	2.450	15.7	21.4
11 17	5 35.47	+30 3.6	1.553	2.456	11.8	21.1
11 27	5 25.37	+30 6.1	1.507	2.462	7.4	20.9
12 7	5 13.38	+29 56.5	1.488	2.467	3.3	20.7
12 17	5 0.99	+29 34.3	1.497	2.471	4.2	20.7
12 27	4 49.84	+29 2.5	1.535	2.475	8.5	21.0
1 6	4 41.22	+28 26.2	1.599	2.479	12.6	21.2
1 16	4 35.86	+27 50.8	1.684	2.482	16.2	21.5

488234 2016 AG_{76} 12 10.2 39°.18 4°.7/ 9.6 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 32.87	+ 9 42.9	2.010	2.839	13.1	20.6
11 17	5 27.63	+ 9 23.1	1.946	2.846	10.0	20.5
11 27	5 20.46	+ 9 11.6	1.907	2.852	6.9	20.3
12 7	5 12.13	+ 9 10.3	1.894	2.860	4.8	20.2
12 17	5 3.56	+ 9 20.5	1.909	2.867	5.6	20.2
12 27	4 55.73	+ 9 42.3	1.953	2.875	8.3	20.4
1 6	4 49.49	+10 14.6	2.023	2.883	11.3	20.6
1 16	4 45.38	+10 55.6	2.116	2.891	14.1	20.8

460495 2014 SZ_{310} 12 10.2 101°.17 6°.9/12.6 17

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 43.20	+46 0.5	2.465	3.225	12.9	21.0
11 17	5 35.38	+46 37.3	2.406	3.245	10.8	20.8
11 27	5 25.06	+46 57.3	2.371	3.264	8.6	20.7
12 7	5 13.26	+46 56.4	2.361	3.283	7.2	20.7
12 17	5 1.28	+46 33.3	2.380	3.301	7.1	20.7
12 27	4 50.47	+45 50.5	2.427	3.319	8.3	20.8
1 6	4 41.88	+44 53.3	2.500	3.337	10.3	21.0
1 16	4 36.12	+43 48.2	2.597	3.354	12.2	21.1

454047 2012 GA_{20} 12 10.2 78°.62 3°.4/10.9 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
11 7	5 37.56	+32 19.3	2.242	3.058	12.3	21.1
11 17	5 31.14	+32 54.1	2.180	3.073	9.4	21.0
11 27	5 22.56	+33 20.7	2.143	3.089	6.2	20.8
12 7	5 12.66	+33 36.5	2.134	3.105	3.7	20.7
12 17	5 2.49	+33 40.3	2.154	3.120	4.1	20.7
12 27	4 53.20	+33 33.2	2.204	3.136	6.8	20.9
1 6	4 45.73	+33 18.2	2.281	3.151	9.8	21.1
1 16	4 40.66	+32 59.2	2.382	3.167	12.4	21.3

413749 2006 CN_{24} 12 10.2 151°.61 3°.7/11.3 17

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 37.30	+35 17.3	2.379	3.185	12.0	21.0
11 17	5 30.93	+35 27.1	2.303	3.189	9.3	20.8
11 27	5 22.43	+35 26.2	2.251	3.192	6.4	20.7
12 7	5 12.63	+35 12.6	2.227	3.194	4.0	20.5
12 17	5 2.57	+34 45.9	2.233	3.197	4.2	20.5
12 27	4 53.34	+34 8.4	2.268	3.199	6.7	20.7
1 6	4 45.88	+33 23.9	2.332	3.202	9.6	20.9
1 16	4 40.79	+32 36.9	2.419	3.204	12.2	21.1

289318 2005 AF_{28} 12 10.2 20°.52 2°.4/10.9 17

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 35.39	+31 12.9	2.038	2.864	13.0	20.4
11 17	5 29.70	+31 4.9	1.965	2.867	9.8	20.2
11 27	5 21.76	+30 47.4	1.917	2.870	6.2	20.0
12 7	5 12.47	+30 19.5	1.895	2.873	3.0	19.8
12 17	5 2.92	+29 41.7	1.903	2.876	3.5	19.8
12 27	4 54.29	+28 57.1	1.939	2.880	7.0	20.1
1 6	4 47.54	+28 9.8	2.003	2.884	10.4	20.3
1 16	4 43.28	+27 24.2	2.090	2.888	13.4	20.5

113673 2002 TU_{97} 12 10.3 286°.14 5°.6/11.9 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 38.13	+40 44.1	2.326	3.117	12.7	19.4
11 17	5 31.88	+41 0.6	2.235	3.103	10.3	19.2
11 27	5 23.16	+41 3.0	2.167	3.089	7.8	19.0
12 7	5 12.85	+40 47.7	2.126	3.075	5.9	18.8
12 17	5 2.09	+40 13.5	2.113	3.061	5.9	18.8
12 27	4 52.18	+39 22.4	2.129	3.048	7.9	18.9
1 6	4 44.22	+38 19.4	2.171	3.034	10.6	19.1
1 16	4 38.91	+37 10.7	2.238	3.020	13.2	19.2

347995 2003 SZ_{177} 12 10.3 37°.07 3°.1/10.9 16

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 38.30	+31 2.7	1.450	2.291	16.5	20.6
11 17	5 32.50	+31 4.4	1.391	2.300	12.5	20.4
11 27	5 23.65	+30 54.7	1.354	2.310	7.9	20.1
12 7	5 12.96	+30 31.2	1.343	2.321	3.8	19.9
12 17	5 1.99	+29 54.8	1.358	2.332	4.4	20.0
12 27	4 52.41	+29 9.4	1.400	2.344	8.7	20.3
1 6	4 45.46	+28 21.2	1.467	2.356	13.0	20.6
1 16	4 41.81	+27 35.7	1.555	2.368	16.6	20.8

311112 2004 LQ_8 12 10.3 126°.10 6°.5/ 8.7 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 33.76	+ 3 47.4	2.293	3.098	12.4	20.7
11 17	5 27.99	+ 2 56.0	2.233	3.109	10.0	20.6
11 27	5 20.56	+ 2 15.2	2.199	3.120	7.7	20.4
12 7	5 12.16	+ 1 48.5	2.192	3.131	6.5	20.4
12 17	5 3.60	+ 1 38.0	2.213	3.141	7.1	20.4
12 27	4 55.74	+ 1 44.3	2.262	3.151	9.1	20.6
1 6	4 49.28	+ 2 6.3	2.337	3.160	11.4	20.7
1 16	4 44.74	+ 2 41.5	2.434	3.169	13.5	20.9

188570 2004 TR_{341} 12 10.3 98°.01 4°.4/ 8.9 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 33.90	+11 10.0	2.282	3.105	11.9	20.0
11 17	5 28.07	+10 15.6	2.224	3.121	9.1	19.8
11 27	5 20.59	+ 9 26.5	2.193	3.137	6.2	19.7
12 7	5 12.17	+ 8 45.5	2.189	3.153	4.5	19.6
12 17	5 3.64	+ 8 15.2	2.216	3.169	5.3	19.7
12 27	4 55.87	+ 7 57.1	2.271	3.184	7.8	19.8
1 6	4 49.56	+ 7 51.5	2.353	3.199	10.5	20.0
1 16	4 45.19	+ 7 57.5	2.458	3.214	12.9	20.2

106991 2000 YL_{103} 12 10.3 52°.26 2°.4/ 9.7 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 39.44	+21 13.8	1.154	2.013	18.6	18.4
11 17	5 33.40	+20 15.7	1.108	2.030	13.7	18.1
11 27	5 24.15	+19 14.5	1.083	2.047	8.1	17.9
12 7	5 13.08	+18 13.8	1.083	2.065	2.9	17.6
12 17	5 1.93	+17 18.5	1.108	2.083	5.0	17.8
12 27	4 52.46	+16 33.9	1.159	2.102	10.3	18.2
1 6	4 45.89	+16 3.1	1.233	2.121	15.0	18.5
1 16	4 42.79	+15 47.2	1.327	2.140	18.9	18.8

307668 2003 SP_{305} 12 10.3 93°.98 2°.2/10.9 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 41.18	+31 8.6	1.819	2.642	14.5	20.2
11 17	5 33.91	+30 44.9	1.760	2.661	10.8	20.0
11 27	5 24.17	+30 10.1	1.726	2.679	6.7	19.8
12 7	5 13.07	+29 23.6	1.718	2.698	2.9	19.6
12 17	5 1.91	+28 27.3	1.741	2.716	3.5	19.7
12 27	4 52.05	+27 25.8	1.793	2.733	7.4	20.0
1 6	4 44.47	+26 24.5	1.872	2.751	11.1	20.3
1 16	4 39.72	+25 28.4	1.974	2.768	14.3	20.5

296779 2009 UW_{135} 12 10.3 30°.59 4°.2/11.5 17

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
11 7	5 36.92	+35 11.4	1.862	2.683	14.3	19.9
11 17	5 31.07	+35 17.1	1.797	2.691	11.0	19.7
11 27	5 22.67	+35 9.8	1.754	2.699	7.5	19.5
12 7	5 12.73	+34 47.2	1.738	2.707	4.6	19.4
12 17	5 2.55	+34 9.6	1.750	2.716	4.8	19.4
12 27	4 53.49	+33 20.1	1.789	2.726	7.8	19.6
1 6	4 46.62	+32 24.3	1.855	2.735	11.2	19.8
1 16	4 42.55	+31 27.9	1.944	2.745	14.2	20.0

101990 1999 RF_{67} 12 10.3 192°.91 1°.5/10.5 18

11 7	5 41.71	+27 0.7	1.750	2.579	14.7	20.5
11 17	5 34.74	+27 7.1	1.672	2.577	11.0	20.3
11 27	5 24.96	+27 7.3	1.618	2.575	6.7	20.0
12 7	5 13.36	+26 59.2	1.591	2.573	2.3	19.7
12 17	5 1.27	+26 42.6	1.593	2.570	3.5	19.8
12 27	4 50.19	+26 19.6	1.625	2.566	8.0	20.1
1 6	4 41.36	+25 54.2	1.682	2.561	12.2	20.3
1 16	4 35.55	+25 30.5	1.763	2.556	15.8	20.5

102284 1999 TM_{63} 12 10.3 29°.22 0°.7/10.2 18

11 7	5 36.41	+21 25.5	1.520	2.368	15.5	19.3
11 17	5 30.93	+21 23.6	1.456	2.372	11.5	19.1
11 27	5 22.71	+21 20.8	1.415	2.378	6.8	18.8
12 7	5 12.79	+21 16.9	1.400	2.383	1.8	18.5
12 17	5 2.48	+21 12.3	1.412	2.389	3.6	18.7
12 27	4 53.26	+21 8.6	1.451	2.395	8.5	19.0
1 6	4 46.30	+21 7.9	1.515	2.402	12.8	19.3
1 16	4 42.31	+21 11.7	1.601	2.409	16.4	19.5

295022 2008 EG_{70} 12 10.3 172°.77 1°.3/10.1 18

11 7	5 40.43	+19 8.1	1.793	2.624	14.3	21.3
11 17	5 33.57	+19 11.5	1.720	2.627	10.6	21.0
11 27	5 24.17	+19 16.2	1.671	2.630	6.3	20.8
12 7	5 13.15	+19 21.8	1.649	2.632	2.0	20.5
12 17	5 1.71	+19 28.2	1.658	2.633	3.5	20.6
12 27	4 51.19	+19 36.2	1.695	2.634	8.0	20.9
1 6	4 42.71	+19 47.0	1.760	2.634	12.0	21.2
1 16	4 36.97	+20 1.7	1.847	2.633	15.4	21.4

75369 1999 XZ_{82} 12 10.3 25°.03 2°.1/10.2 18

11 7	5 37.42	+17 22.6	1.164	2.025	18.4	18.3
11 17	5 32.24	+17 37.3	1.109	2.031	13.7	18.1
11 27	5 23.73	+17 57.7	1.074	2.038	8.2	17.8
12 7	5 13.07	+18 23.1	1.063	2.046	2.9	17.5
12 17	5 1.92	+18 52.6	1.077	2.054	4.7	17.6
12 27	4 52.13	+19 25.3	1.117	2.063	10.1	18.0
1 6	4 45.14	+20 1.1	1.179	2.073	15.1	18.3
1 16	4 41.73	+20 39.9	1.261	2.084	19.2	18.6

158306 2001 UQ_{182} 12 10.3 349°.13 2°.1/10.0 18

11 7	5 33.87	+18 53.5	1.169	2.035	18.0	19.6
11 17	5 29.81	+18 46.8	1.102	2.027	13.4	19.3
11 27	5 22.42	+18 42.4	1.056	2.020	8.1	19.0
12 7	5 12.78	+18 41.3	1.032	2.015	2.8	18.7
12 17	5 2.46	+18 44.3	1.034	2.011	4.7	18.8
12 27	4 53.31	+18 52.7	1.060	2.007	10.3	19.1
1 6	4 46.84	+19 7.8	1.108	2.005	15.5	19.4
1 16	4 43.93	+19 29.8	1.175	2.005	19.8	19.7

50965 2000 GN_{85} 12 10.3 207°.69 5°.5/ 9.3 18

11 7	5 32.08	+ 4 0.3	2.625	3.428	11.1	19.0
11 17	5 26.73	+ 3 38.7	2.549	3.425	8.9	18.8
11 27	5 19.86	+ 3 26.9	2.498	3.422	6.8	18.7
12 7	5 12.05	+ 3 27.1	2.475	3.419	5.5	18.6
12 17	5 3.98	+ 3 40.5	2.481	3.416	6.0	18.6
12 27	4 56.42	+ 4 7.2	2.516	3.412	7.9	18.7
1 6	4 50.05	+ 4 45.9	2.577	3.409	10.2	18.9
1 16	4 45.35	+ 5 34.6	2.662	3.405	12.3	19.0

326551 2002 PM_{76} 12 10.3 89°.33 0°.3/10.2 18

11 7	5 34.31	+23 48.2	2.297	3.127	11.6	20.7
11 17	5 28.55	+23 21.6	2.227	3.135	8.5	20.5
11 27	5 20.98	+22 51.3	2.183	3.143	5.0	20.3
12 7	5 12.33	+22 17.9	2.167	3.151	1.2	20.0
12 17	5 3.50	+21 43.0	2.182	3.158	2.6	20.2
12 27	4 55.45	+21 9.0	2.226	3.166	6.2	20.4
1 6	4 48.96	+20 38.3	2.299	3.174	9.5	20.6
1 16	4 44.54	+20 12.9	2.395	3.182	12.3	20.8

214648 2006 SQ_{71} 12 10.3 119°.03 0°.3/10.3 18

11 7	5 37.48	+23 44.9	2.080	2.909	12.7	21.3
11 17	5 31.06	+23 48.1	2.013	2.920	9.3	21.1
11 27	5 22.53	+23 48.3	1.972	2.932	5.5	20.9
12 7	5 12.73	+23 45.1	1.960	2.943	1.4	20.6
12 17	5 2.68	+23 38.5	1.977	2.954	2.8	20.7
12 27	4 53.51	+23 29.9	2.024	2.964	6.7	21.0
1 6	4 46.12	+23 21.4	2.098	2.974	10.2	21.2
1 16	4 41.10	+23 15.1	2.196	2.984	13.2	21.5

385660 2005 SM_{47} 12 10.3 7°.21 0°.4/10.3 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
11 7	5 35.06	+24 34.8	1.129	1.995	18.5	20.2
11 17	5 30.73	+24 24.8	1.070	1.996	13.7	19.9
11 27	5 22.93	+24 9.1	1.032	1.997	8.1	19.6
12 7	5 12.90	+23 47.5	1.016	2.000	2.1	19.3
12 17	5 2.37	+23 21.3	1.025	2.003	4.1	19.4
12 27	4 53.28	+22 54.4	1.058	2.008	10.0	19.8
1 6	4 47.08	+22 31.2	1.114	2.015	15.2	20.1
1 16	4 44.56	+22 15.1	1.189	2.022	19.5	20.4

299587 2006 GT_{19} 12 10.3 149°.22 2°.2/ 9.8 18

11 7	5 37.23	+17 7.2	2.079	2.907	12.7	22.5
11 17	5 30.82	+16 49.6	2.010	2.915	9.4	22.3
11 27	5 22.38	+16 33.8	1.966	2.923	5.8	22.1
12 7	5 12.70	+16 20.7	1.950	2.930	2.5	21.9
12 17	5 2.78	+16 11.5	1.965	2.936	3.7	22.0
12 27	4 53.66	+16 7.4	2.009	2.942	7.3	22.2
1 6	4 46.24	+16 9.4	2.080	2.948	10.7	22.4
1 16	4 41.09	+16 18.0	2.175	2.953	13.6	22.6

367447 2008 TS_{9} 12 10.3 25°.81 0°.4/10.4 18

11 7	5 34.99	+27 28.0	1.699	2.541	14.5	19.4
11 17	5 29.48	+26 32.8	1.641	2.554	10.7	19.2
11 27	5 21.64	+25 28.7	1.607	2.568	6.3	19.0
12 7	5 12.50	+24 17.5	1.600	2.583	1.7	18.7
12 17	5 3.28	+23 3.1	1.621	2.599	3.1	18.8
12 27	4 55.24	+21 50.8	1.671	2.616	7.5	19.1
1 6	4 49.30	+20 45.5	1.748	2.633	11.5	19.4
1 16	4 45.99	+19 50.7	1.847	2.651	14.7	19.7

231459 2007 LV_{24} 12 10.3 294°.71 0°.6/10.2 18

11 7	5 37.67	+20 35.1	1.513	2.359	15.7	20.3
11 17	5 32.22	+20 51.1	1.429	2.345	11.7	20.0
11 27	5 23.74	+21 8.6	1.368	2.330	7.0	19.7
12 7	5 13.14	+21 26.4	1.332	2.316	1.8	19.4
12 17	5 1.75	+21 43.7	1.324	2.302	3.7	19.5
12 27	4 51.19	+22 0.4	1.343	2.288	9.0	19.7
1 6	4 42.88	+22 18.0	1.387	2.274	13.8	20.0
1 16	4 37.75	+22 37.9	1.452	2.260	17.8	20.2

23582 1995 QA_{3} 12 10.3 109°.82 5°.0/11.3 18

11 7	5 43.85	+34 53.5	1.555	2.377	16.6	18.1
11 17	5 36.66	+35 21.7	1.494	2.388	12.8	17.9
11 27	5 26.19	+35 35.9	1.455	2.399	8.8	17.7
12 7	5 13.69	+35 31.6	1.441	2.410	5.5	17.5
12 17	5 0.83	+35 7.4	1.455	2.420	5.8	17.6
12 27	4 49.43	+34 26.8	1.496	2.430	9.2	17.8
1 6	4 40.84	+33 36.6	1.562	2.440	13.0	18.1
1 16	4 35.80	+32 44.4	1.650	2.449	16.4	18.3

228025 2008 FG_{73} 12 10.3 105°.92 1°.0/10.2 18

11 7	5 41.05	+20 1.0	1.589	2.427	15.5	20.5
11 17	5 34.11	+20 9.0	1.532	2.443	11.4	20.3
11 27	5 24.49	+20 17.5	1.498	2.458	6.7	20.0
12 7	5 13.25	+20 26.0	1.490	2.474	1.9	19.8
12 17	5 1.73	+20 34.1	1.512	2.488	3.6	19.9
12 27	4 51.40	+20 42.7	1.562	2.503	8.3	20.2
1 6	4 43.39	+20 53.2	1.637	2.517	12.4	20.5
1 16	4 38.37	+21 6.9	1.735	2.530	15.9	20.8

485513 2011 TE_{13} 12 10.3 8°.92 8°.2/12.1 17

11 7	5 41.14	+42 12.0	1.573	2.380	17.1	20.5
11 17	5 35.10	+42 57.1	1.506	2.381	14.0	20.3
11 27	5 25.49	+43 22.9	1.461	2.382	10.9	20.1
12 7	5 13.55	+43 22.8	1.438	2.384	8.6	20.0
12 17	5 1.07	+42 53.9	1.441	2.386	8.5	20.0
12 27	4 50.05	+41 59.6	1.470	2.389	10.8	20.1
1 6	4 42.01	+40 48.0	1.523	2.392	13.8	20.3
1 16	4 37.77	+39 28.9	1.597	2.395	16.9	20.5

40438 1999 RV_{33} 12 10.3 335°.00 0°.8/10.4 17

11 7	5 34.81	+25 14.9	1.886	2.724	13.4	19.1
11 17	5 29.49	+25 18.1	1.808	2.718	9.9	18.9
11 27	5 21.82	+25 17.1	1.753	2.714	6.0	18.7
12 7	5 12.61	+25 11.2	1.726	2.709	1.7	18.4
12 17	5 2.97	+25 0.3	1.728	2.705	3.1	18.5
12 27	4 54.15	+24 46.2	1.758	2.701	7.3	18.7
1 6	4 47.19	+24 31.5	1.814	2.698	11.2	18.9
1 16	4 42.80	+24 18.8	1.893	2.694	14.5	19.2

307103 2002 CC_{18} 12 10.3 263°.72 1°.7/10.1 18

11 7	5 39.68	+18 27.6	1.380	2.227	16.9	20.6
11 17	5 33.80	+18 35.0	1.304	2.220	12.6	20.4
11 27	5 24.71	+18 45.6	1.251	2.213	7.6	20.1
12 7	5 13.40	+18 59.3	1.222	2.205	2.5	19.7
12 17	5 1.36	+19 15.4	1.221	2.197	4.3	19.8
12 27	4 50.33	+19 34.3	1.247	2.190	9.7	20.1
1 6	4 41.81	+19 56.9	1.296	2.182	14.6	20.4
1 16	4 36.69	+20 23.9	1.367	2.174	18.8	20.6

22266 1981 EQ_{11} 12 10.3 59°.78 0°.3/10.3 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
11 7	5 40.27	+25 16.0	1.255	2.107	17.9	18.5
11 17	5 34.09	+24 52.2	1.202	2.120	13.2	18.3
11 27	5 24.66	+24 21.5	1.170	2.133	7.8	18.0
12 7	5 13.31	+23 44.0	1.163	2.147	2.0	17.7
12 17	5 1.75	+23 2.2	1.183	2.161	3.9	17.9
12 27	4 51.76	+22 20.8	1.229	2.175	9.4	18.3
1 6	4 44.64	+21 44.8	1.298	2.189	14.2	18.6
1 16	4 41.01	+21 17.5	1.389	2.204	18.1	18.9

378122 2006 UC_{335} 12 10.3 352°.99 5°.3/ 9.8 18

11 7	5 30.46	+14 4.0	0.937	1.818	20.0	20.0
11 17	5 27.75	+13 37.4	0.877	1.808	15.3	19.6
11 27	5 21.42	+13 20.0	0.836	1.800	9.9	19.3
12 7	5 12.60	+13 15.9	0.816	1.794	5.6	19.1
12 17	5 3.04	+13 27.8	0.818	1.790	7.1	19.2
12 27	4 54.78	+13 56.3	0.841	1.788	12.4	19.4
1 6	4 49.47	+14 39.7	0.884	1.788	17.7	19.7
1 16	4 48.04	+15 34.5	0.945	1.790	22.3	20.0

11657 Antonhajduk 12 10.3 72°.95 1°.9/ 9.9 18

11 7	5 41.04	+19 33.1	1.328	2.176	17.4	18.0
11 17	5 34.29	+19 13.4	1.282	2.198	12.7	17.8
11 27	5 24.62	+18 54.2	1.258	2.220	7.6	17.6
12 7	5 13.28	+18 36.5	1.260	2.242	2.6	17.3
12 17	5 1.85	+18 21.8	1.289	2.264	4.3	17.5
12 27	4 51.92	+18 12.5	1.345	2.286	9.3	17.9
1 6	4 44.65	+18 10.2	1.425	2.308	13.7	18.2
1 16	4 40.63	+18 15.8	1.526	2.329	17.3	18.5

39508 1981 EW_{46} 12 10.3 359°.73 0°.4/10.3 17

11 7	5 34.27	+24 4.3	1.773	2.616	13.9	19.1
11 17	5 29.17	+24 5.4	1.701	2.615	10.3	18.9
11 27	5 21.64	+24 3.3	1.652	2.614	6.1	18.7
12 7	5 12.58	+23 57.3	1.630	2.614	1.6	18.4
12 17	5 3.12	+23 47.7	1.636	2.614	3.1	18.5
12 27	4 54.54	+23 36.3	1.670	2.614	7.5	18.7
1 6	4 47.91	+23 25.5	1.730	2.616	11.5	19.0
1 16	4 43.90	+23 17.5	1.812	2.617	14.9	19.2

124999 2001 TS_{150} 12 10.3 139°.80 0°.6/10.4 18

11 7	5 41.16	+24 2.4	1.970	2.795	13.4	20.9
11 17	5 33.89	+24 16.5	1.904	2.808	9.9	20.7
11 27	5 24.28	+24 27.7	1.862	2.820	5.9	20.5
12 7	5 13.22	+24 34.4	1.849	2.832	1.6	20.2
12 17	5 1.87	+24 36.2	1.866	2.843	3.0	20.3
12 27	4 51.49	+24 34.2	1.914	2.853	7.1	20.6
1 6	4 43.09	+24 30.7	1.988	2.863	10.8	20.9
1 16	4 37.30	+24 28.1	2.087	2.872	13.9	21.1

454388 2014 ME_{69} 12 10.3 120°.73 11°.4/12.1 18

11 7	5 46.98	− 4 24.5	1.182	1.983	22.0	20.5
11 17	5 39.22	− 4 1.8	1.122	1.989	18.3	20.3
11 27	5 27.88	− 3 4.3	1.080	1.994	14.6	20.1
12 7	5 14.19	− 1 27.9	1.061	2.000	11.8	20.0
12 17	4 59.90	+ 0 45.1	1.068	2.005	11.8	20.0
12 27	4 46.99	+ 3 25.5	1.101	2.010	14.4	20.1
1 6	4 37.03	+ 6 20.4	1.158	2.015	18.2	20.4
1 16	4 30.91	+ 9 18.1	1.237	2.020	21.7	20.6

230934 2004 WX_{6} 12 10.3 44°.52 3°.1/10.5 18

11 7	5 38.76	+28 35.4	1.782	2.614	14.4	19.1
11 17	5 32.47	+29 34.0	1.727	2.632	10.8	18.9
11 27	5 23.58	+30 26.9	1.697	2.650	6.8	18.7
12 7	5 13.06	+31 10.0	1.693	2.670	3.5	18.5
12 17	5 2.20	+31 40.8	1.718	2.689	4.2	18.6
12 27	4 52.39	+31 59.3	1.771	2.709	7.8	18.9
1 6	4 44.75	+32 8.3	1.851	2.729	11.3	19.1
1 16	4 39.98	+32 11.5	1.954	2.749	14.3	19.4

471232 2011 AS_{44} 12 10.3 352°.64 5°.4/11.4 18

11 7	5 36.84	+34 8.4	1.074	1.931	19.9	20.5
11 17	5 32.66	+34 19.3	1.010	1.925	15.5	20.2
11 27	5 24.38	+34 12.5	0.965	1.920	10.4	19.9
12 7	5 13.35	+33 43.0	0.941	1.916	6.0	19.7
12 17	5 1.63	+32 50.5	0.941	1.914	6.4	19.7
12 27	4 51.58	+31 40.8	0.965	1.913	11.1	19.9
1 6	4 44.94	+30 24.4	1.010	1.913	16.1	20.2
1 16	4 42.58	+29 10.9	1.074	1.914	20.6	20.5

484370 2007 VF_{149} 12 10.3 15°.68 1°.6/10.3 17

11 7	5 35.49	+23 39.3	1.169	2.033	18.1	20.2
11 17	5 31.00	+24 31.2	1.117	2.040	13.4	20.0
11 27	5 23.10	+25 22.3	1.085	2.049	8.0	19.7
12 7	5 12.99	+26 8.6	1.077	2.059	2.6	19.4
12 17	5 2.36	+26 46.5	1.093	2.071	4.3	19.6
12 27	4 53.11	+27 15.5	1.135	2.084	9.6	19.9
1 6	4 46.69	+27 37.4	1.200	2.099	14.5	20.2
1 16	4 43.92	+27 55.5	1.285	2.115	18.5	20.5

442863 2013 AX_{165} 12 10.3 125°.88 6°.8/ 9.1 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
11 7	5 35.63	+ 3 22.1	2.147	2.951	13.2	21.9
11 17	5 29.47	+ 2 38.5	2.090	2.965	10.6	21.7
11 27	5 21.52	+ 2 6.9	2.057	2.978	8.2	21.6
12 7	5 12.52	+ 1 50.5	2.051	2.991	6.8	21.5
12 17	5 3.35	+ 1 51.2	2.074	3.003	7.4	21.6
12 27	4 54.96	+ 2 9.3	2.124	3.015	9.4	21.8
1 6	4 48.11	+ 2 42.9	2.200	3.027	11.8	21.9
1 16	4 43.33	+ 3 29.1	2.299	3.038	14.1	22.1

330803 2008 UF_{331} 12 10.3 184°.51 3°.6/ 8.9 18

11 7	5 32.27	+11 39.8	2.888	3.705	9.9	21.4
11 17	5 26.74	+10 51.2	2.811	3.705	7.5	21.2
11 27	5 19.84	+10 5.9	2.760	3.704	5.2	21.1
12 7	5 12.10	+ 9 26.2	2.739	3.703	3.6	21.0
12 17	5 4.17	+ 8 54.2	2.749	3.702	4.4	21.0
12 27	4 56.76	+ 8 31.4	2.789	3.701	6.6	21.2
1 6	4 50.47	+ 8 18.6	2.857	3.699	9.0	21.3
1 16	4 45.74	+ 8 15.6	2.949	3.696	11.1	21.5

22342 1992 RW_{2} 12 10.3 93°.43 4°.1/11.1 18

11 7	5 43.88	+32 44.1	1.463	2.292	17.0	18.7
11 17	5 36.65	+33 1.1	1.407	2.308	13.0	18.5
11 27	5 26.16	+33 5.1	1.373	2.323	8.5	18.3
12 7	5 13.71	+32 52.5	1.364	2.339	4.6	18.1
12 17	5 1.01	+32 23.0	1.383	2.354	5.1	18.2
12 27	4 49.88	+31 40.4	1.430	2.369	9.1	18.5
1 6	4 41.63	+30 51.7	1.501	2.383	13.2	18.7
1 16	4 36.94	+30 3.6	1.594	2.398	16.7	19.0

329937 2005 PC_{4} 12 10.3 106°.53 3°.4/ 9.8 18

11 7	5 41.20	+14 23.9	1.774	2.601	14.6	21.5
11 17	5 33.77	+14 4.6	1.724	2.627	10.9	21.4
11 27	5 24.10	+13 50.2	1.698	2.652	6.8	21.2
12 7	5 13.16	+13 42.0	1.700	2.676	3.6	21.0
12 17	5 2.13	+13 40.9	1.732	2.699	4.7	21.2
12 27	4 52.25	+13 47.9	1.792	2.722	8.3	21.4
1 6	4 44.43	+14 2.9	1.879	2.744	11.8	21.7
1 16	4 39.23	+14 25.3	1.989	2.765	14.8	21.9

283113 2008 UE_{336} 12 10.3 169°.47 2°.9/ 9.4 18

11 7	5 37.74	+17 45.8	1.931	2.763	13.4	20.7
11 17	5 31.32	+16 47.1	1.859	2.766	10.0	20.5
11 27	5 22.74	+15 47.6	1.811	2.768	6.2	20.3
12 7	5 12.85	+14 50.2	1.792	2.770	3.1	20.1
12 17	5 2.71	+13 58.5	1.803	2.772	4.5	20.2
12 27	4 53.47	+13 15.8	1.844	2.773	8.2	20.4
1 6	4 46.06	+12 44.5	1.910	2.774	11.7	20.6
1 16	4 41.07	+12 25.5	2.000	2.774	14.8	20.8

3828 Hoshino 12 10.3 306°.63 1°.7/ 9.8 18

11 7	5 32.83	+19 2.8	2.278	3.111	11.6	16.6
11 17	5 27.58	+18 35.8	2.199	3.108	8.5	16.4
11 27	5 20.50	+18 8.5	2.145	3.104	5.2	16.1
12 7	5 12.29	+17 42.2	2.120	3.101	2.0	15.9
12 17	5 3.80	+17 18.3	2.125	3.098	3.2	16.0
12 27	4 55.97	+16 58.8	2.159	3.095	6.7	16.2
1 6	4 49.59	+16 45.1	2.221	3.092	10.0	16.4
1 16	4 45.22	+16 38.2	2.306	3.090	12.8	16.6

363079 2000 QJ_{82} 12 10.3 83°.86 0°.9/10.5 18

11 7	5 44.84	+26 28.6	1.338	2.179	17.7	21.4
11 17	5 37.10	+26 13.1	1.294	2.205	13.0	21.2
11 27	5 26.25	+25 49.8	1.271	2.232	7.7	21.0
12 7	5 13.70	+25 18.1	1.274	2.257	2.2	20.7
12 17	5 1.17	+24 39.8	1.305	2.283	3.8	20.9
12 27	4 50.38	+23 59.6	1.364	2.308	8.9	21.3
1 6	4 42.51	+23 22.6	1.447	2.332	13.4	21.6
1 16	4 38.11	+22 52.6	1.552	2.356	17.0	21.9

461012 2014 WR_{388} 12 10.3 3°.77 6°.0/10.2 17

11 7	5 34.38	+ 3 4.1	2.194	2.999	12.9	20.8
11 17	5 28.70	+ 3 10.8	2.121	2.999	10.4	20.6
11 27	5 21.17	+ 3 31.3	2.072	2.999	7.8	20.4
12 7	5 12.47	+ 4 7.2	2.050	2.999	6.1	20.3
12 17	5 3.45	+ 4 58.4	2.057	3.000	6.5	20.3
12 27	4 55.06	+ 6 3.5	2.093	3.001	8.7	20.5
1 6	4 48.11	+ 7 19.4	2.156	3.002	11.3	20.7
1 16	4 43.18	+ 8 42.8	2.243	3.003	13.8	20.8

39673 1996 BN_{3} 12 10.3 338°.09 5°.2/ 9.5 18

11 7	5 33.10	+ 8 43.7	1.971	2.798	13.3	18.0
11 17	5 27.98	+ 8 21.6	1.898	2.795	10.4	17.8
11 27	5 20.83	+ 8 8.4	1.848	2.792	7.3	17.6
12 7	5 12.40	+ 8 6.8	1.825	2.789	5.3	17.5
12 17	5 3.62	+ 8 18.1	1.831	2.786	6.0	17.5
12 27	4 55.53	+ 8 42.6	1.864	2.783	8.8	17.7
1 6	4 49.02	+ 9 19.1	1.923	2.781	11.9	17.9
1 16	4 44.71	+10 5.5	2.004	2.779	14.8	18.1

461201 2015 VN_{116} 12 10.3 38°.36 0°.9/10.2 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
11 7	5 35.85	+19 56.7	1.704	2.546	14.4	20.7
11 17	5 30.28	+20 6.0	1.641	2.554	10.6	20.5
11 27	5 22.28	+20 16.3	1.601	2.563	6.3	20.2
12 7	5 12.77	+20 27.1	1.588	2.571	1.8	20.0
12 17	5 2.92	+20 38.2	1.604	2.580	3.4	20.1
12 27	4 54.03	+20 50.2	1.647	2.590	7.8	20.4
1 6	4 47.15	+21 4.0	1.717	2.600	11.7	20.7
1 16	4 42.94	+21 20.6	1.808	2.610	15.1	20.9

468593 2007 TT_{301} 12 10.3 44°.30 4°.5/ 9.4 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 38.60	+17 34.9	1.015	1.882	20.0	20.5
11 17	5 33.05	+16 24.3	0.975	1.899	14.8	20.3
11 27	5 24.08	+15 16.0	0.954	1.917	9.2	20.0
12 7	5 13.20	+14 15.5	0.957	1.936	4.8	19.8
12 17	5 2.24	+13 28.4	0.984	1.955	6.6	20.0
12 27	4 53.08	+12 58.8	1.035	1.975	11.6	20.4
1 6	4 46.96	+12 47.9	1.108	1.996	16.3	20.7
1 16	4 44.48	+12 54.1	1.199	2.017	20.2	21.0

215374 2002 AV_{64} 12 10.3 200°.11 10°.4/ 9.5 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 39.00	− 1 58.8	1.597	2.396	17.2	20.1
11 17	5 32.66	− 2 43.9	1.531	2.394	14.5	19.9
11 27	5 23.75	− 3 8.4	1.485	2.392	11.9	19.8
12 7	5 13.17	− 3 6.7	1.464	2.389	10.4	19.7
12 17	5 2.13	− 2 36.0	1.469	2.385	11.0	19.7
12 27	4 52.01	− 1 37.1	1.498	2.381	13.2	19.8
1 6	4 43.93	− 0 14.9	1.551	2.377	16.0	20.0
1 16	4 38.65	+ 1 24.2	1.625	2.372	18.7	20.2

44213 1998 OZ_{13} 12 10.3 144°.10 5°.7/ 9.5 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 36.23	+ 6 3.7	2.147	2.958	13.0	19.2
11 17	5 29.99	+ 5 36.0	2.083	2.967	10.2	19.0
11 27	5 21.88	+ 5 18.5	2.044	2.976	7.5	18.9
12 7	5 12.65	+ 5 13.7	2.032	2.985	5.8	18.8
12 17	5 3.20	+ 5 23.1	2.049	2.992	6.4	18.8
12 27	4 54.50	+ 5 46.7	2.094	3.000	8.8	19.0
1 6	4 47.34	+ 6 23.0	2.166	3.007	11.5	19.2
1 16	4 42.28	+ 7 9.6	2.261	3.013	14.0	19.4

40568 1999 RF_{126} 12 10.3 89°.46 7°.2/12.4 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 44.24	+42 7.2	1.734	2.531	16.2	17.9
11 17	5 36.91	+42 34.5	1.672	2.541	13.1	17.7
11 27	5 26.34	+42 42.6	1.631	2.552	10.0	17.5
12 7	5 13.79	+42 26.1	1.615	2.562	7.6	17.4
12 17	5 0.98	+41 43.9	1.626	2.573	7.5	17.5
12 27	4 49.69	+40 39.9	1.664	2.583	9.7	17.6
1 6	4 41.24	+39 22.5	1.728	2.594	12.7	17.8
1 16	4 36.32	+38 0.4	1.814	2.604	15.5	18.0

39980 1998 HT_{13} 12 10.3 137°.17 3°.3/11.0 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 40.79	+32 6.5	1.925	2.744	14.0	19.6
11 17	5 33.88	+32 23.4	1.856	2.752	10.6	19.4
11 27	5 24.39	+32 30.6	1.811	2.760	6.9	19.2
12 7	5 13.31	+32 25.3	1.793	2.767	3.8	19.0
12 17	5 1.90	+32 6.8	1.804	2.775	4.2	19.1
12 27	4 51.55	+31 37.5	1.845	2.781	7.6	19.3
1 6	4 43.36	+31 1.9	1.912	2.788	11.1	19.5
1 16	4 38.01	+30 24.9	2.002	2.794	14.2	19.7

394865 2008 TD_{130} 12 10.3 352°.44 1°.8/ 9.9 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 36.19	+20 59.5	1.445	2.296	16.0	20.4
11 17	5 30.94	+20 22.5	1.376	2.294	11.9	20.1
11 27	5 22.84	+19 42.6	1.330	2.292	7.1	19.8
12 7	5 12.95	+19 1.9	1.308	2.291	2.4	19.5
12 17	5 2.63	+18 23.2	1.314	2.290	4.2	19.7
12 27	4 53.41	+17 50.3	1.347	2.289	9.2	20.0
1 6	4 46.53	+17 26.2	1.404	2.289	13.7	20.2
1 16	4 42.71	+17 13.0	1.481	2.289	17.5	20.5

369759 2012 FW_{74} 12 10.3 176°.70 2°.1/10.9 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 35.67	+31 4.9	2.947	3.755	9.9	22.1
11 17	5 29.40	+31 11.1	2.865	3.757	7.5	21.9
11 27	5 21.48	+31 10.7	2.810	3.758	4.8	21.7
12 7	5 12.56	+31 2.6	2.784	3.759	2.4	21.6
12 17	5 3.40	+30 46.7	2.789	3.760	2.8	21.6
12 27	4 54.84	+30 24.3	2.825	3.760	5.4	21.8
1 6	4 47.60	+29 57.7	2.891	3.760	8.0	21.9
1 16	4 42.20	+29 29.9	2.982	3.759	10.3	22.1

111362 2001 XA_{121} 12 10.3 163°.95 0°.2/10.3 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 36.14	+23 40.7	2.013	2.846	12.9	20.4
11 17	5 30.29	+23 42.6	1.938	2.847	9.5	20.2
11 27	5 22.23	+23 41.7	1.888	2.848	5.6	20.0
12 7	5 12.77	+23 37.4	1.865	2.848	1.5	19.7
12 17	5 2.96	+23 29.9	1.871	2.849	2.9	19.8
12 27	4 53.94	+23 20.6	1.907	2.849	7.0	20.1
1 6	4 46.70	+23 11.6	1.970	2.849	10.7	20.3
1 16	4 41.87	+23 5.1	2.056	2.850	13.8	20.5

389344 2009 TX_{40} 12 10.3 27°.70 1°.6/10.4 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
11 7	5 37.14	+24 40.4	0.961	1.834	20.4	19.7
11 17	5 32.48	+25 9.8	0.923	1.851	15.0	19.5
11 27	5 24.00	+25 35.0	0.903	1.869	9.0	19.2
12 7	5 13.23	+25 52.5	0.905	1.888	2.8	19.0
12 17	5 2.20	+26 1.1	0.931	1.909	4.5	19.1
12 27	4 53.03	+26 2.7	0.980	1.932	10.4	19.5
1 6	4 47.18	+26 1.4	1.051	1.955	15.5	19.9
1 16	4 45.30	+26 0.7	1.141	1.980	19.7	20.3

207463 2006 GW_{38} 12 10.3 217°.04 3°.9/10.9 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 42.99	+31 10.7	1.440	2.274	17.0	20.1
11 17	5 36.43	+31 39.6	1.366	2.271	13.0	19.8
11 27	5 26.35	+31 58.4	1.314	2.267	8.5	19.6
12 7	5 13.89	+32 2.6	1.288	2.264	4.5	19.3
12 17	5 0.74	+31 49.8	1.288	2.260	5.2	19.4
12 27	4 48.84	+31 22.5	1.315	2.256	9.6	19.6
1 6	4 39.77	+30 46.6	1.367	2.251	14.1	19.8
1 16	4 34.44	+30 9.0	1.440	2.247	18.0	20.1

148036 1998 RE_{42} 12 10.3 74°.89 5°.1/11.4 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 43.34	+34 50.4	1.430	2.258	17.4	19.7
11 17	5 36.42	+35 13.5	1.375	2.273	13.4	19.5
11 27	5 26.12	+35 21.6	1.341	2.288	9.1	19.2
12 7	5 13.77	+35 10.2	1.332	2.303	5.6	19.1
12 17	5 1.15	+34 38.7	1.350	2.317	5.9	19.1
12 27	4 50.14	+33 51.3	1.395	2.332	9.5	19.4
1 6	4 42.12	+32 55.7	1.464	2.347	13.4	19.7
1 16	4 37.74	+31 59.4	1.555	2.362	16.9	19.9

215301 2001 SA_{134} 12 10.3 66°.53 2°.3/ 9.8 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 35.28	+18 8.3	1.856	2.694	13.6	20.2
11 17	5 29.65	+17 38.4	1.788	2.699	10.0	20.0
11 27	5 21.83	+17 9.2	1.745	2.704	6.1	19.7
12 7	5 12.68	+16 42.4	1.729	2.709	2.6	19.5
12 17	5 3.25	+16 19.8	1.742	2.715	4.0	19.6
12 27	4 54.71	+16 3.6	1.783	2.720	7.8	19.9
1 6	4 47.99	+15 55.1	1.851	2.725	11.5	20.1
1 16	4 43.70	+15 55.1	1.941	2.731	14.6	20.3

281914 2011 EF_{63} 12 10.3 88°.87 3°.1/10.5 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 45.26	+28 20.4	1.685	2.509	15.4	19.6
11 17	5 37.30	+29 22.3	1.635	2.535	11.5	19.4
11 27	5 26.45	+30 17.8	1.608	2.561	7.2	19.2
12 7	5 13.84	+31 2.1	1.609	2.586	3.6	19.0
12 17	5 0.95	+31 32.0	1.640	2.611	4.4	19.1
12 27	4 49.35	+31 48.2	1.700	2.635	8.2	19.4
1 6	4 40.26	+31 54.0	1.786	2.659	11.9	19.7
1 16	4 34.37	+31 54.2	1.895	2.682	15.0	20.0

410597 2008 HW_{25} 12 10.3 65°.71 5°.7/ 8.9 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 33.36	+ 8 25.7	2.003	2.828	13.2	20.8
11 17	5 28.03	+ 7 32.2	1.940	2.834	10.3	20.7
11 27	5 20.80	+ 6 46.9	1.901	2.840	7.5	20.5
12 7	5 12.42	+ 6 13.2	1.889	2.846	5.8	20.4
12 17	5 3.82	+ 5 53.9	1.906	2.853	6.6	20.5
12 27	4 55.99	+ 5 50.3	1.950	2.859	9.1	20.6
1 6	4 49.74	+ 6 1.8	2.019	2.865	11.9	20.8
1 16	4 45.63	+ 6 26.7	2.111	2.872	14.5	21.0

412274 2013 JT_{5} 12 10.3 85°.61 0°.9/10.1 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 35.63	+20 21.6	2.259	3.088	11.8	21.5
11 17	5 29.50	+20 17.9	2.202	3.109	8.6	21.4
11 27	5 21.57	+20 13.9	2.170	3.130	5.1	21.2
12 7	5 12.60	+20 9.7	2.167	3.150	1.5	21.0
12 17	5 3.50	+20 5.8	2.194	3.170	2.8	21.1
12 27	4 55.21	+20 3.3	2.252	3.190	6.3	21.4
1 6	4 48.50	+20 3.3	2.337	3.210	9.5	21.6
1 16	4 43.86	+20 6.7	2.446	3.230	12.1	21.8

484164 2006 UX_{132} 12 10.3 3°.97 1°.3/10.5 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 36.76	+25 36.4	1.757	2.595	14.2	21.2
11 17	5 31.12	+25 55.8	1.684	2.595	10.6	21.0
11 27	5 22.90	+26 11.3	1.635	2.595	6.4	20.7
12 7	5 13.01	+26 21.3	1.613	2.595	2.1	20.5
12 17	5 2.66	+26 24.7	1.619	2.596	3.3	20.5
12 27	4 53.21	+26 22.6	1.653	2.597	7.7	20.8
1 6	4 45.82	+26 17.5	1.714	2.598	11.7	21.1
1 16	4 41.21	+26 12.5	1.796	2.599	15.1	21.3

140268 2001 SM_{271} 12 10.3 54°.57 0°.6/10.4 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 36.85	+24 33.8	1.737	2.576	14.3	20.3
11 17	5 31.00	+24 35.9	1.676	2.587	10.6	20.1
11 27	5 22.70	+24 34.2	1.638	2.599	6.3	19.8
12 7	5 12.93	+24 27.9	1.628	2.611	1.7	19.6
12 17	5 2.89	+24 17.3	1.646	2.623	3.1	19.7
12 27	4 53.89	+24 4.2	1.692	2.636	7.5	20.0
1 6	4 46.97	+23 51.4	1.765	2.648	11.4	20.3
1 16	4 42.75	+23 41.3	1.859	2.661	14.7	20.5

453598 2010 MW_{84} 12 10.3 93°.14 4°.5/11.5 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
11 7	5 41.14	+36 14.1	2.083	2.888	13.5	21.4
11 17	5 33.95	+36 36.3	2.025	2.908	10.5	21.2
11 27	5 24.35	+36 46.1	1.991	2.928	7.3	21.1
12 7	5 13.33	+36 40.5	1.984	2.948	4.8	20.9
12 17	5 2.14	+36 18.9	2.006	2.967	5.0	21.0
12 27	4 52.08	+35 44.0	2.058	2.986	7.5	21.2
1 6	4 44.17	+35 0.7	2.136	3.005	10.4	21.4
1 16	4 38.99	+34 14.2	2.238	3.023	13.1	21.6

434624 2005 VA_{18} 12 10.3 135°.42 1°.5/10.6 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 41.63	+27 1.7	1.840	2.666	14.2	22.2
11 17	5 34.45	+27 11.8	1.774	2.678	10.6	22.0
11 27	5 24.73	+27 15.9	1.733	2.690	6.4	21.7
12 7	5 13.45	+27 12.2	1.719	2.701	2.3	21.5
12 17	5 1.87	+27 0.4	1.735	2.711	3.3	21.6
12 27	4 51.37	+26 42.7	1.780	2.721	7.5	21.9
1 6	4 43.04	+26 22.4	1.852	2.730	11.3	22.1
1 16	4 37.54	+26 3.2	1.948	2.738	14.6	22.4

320007 2007 DD_{38} 12 10.3 350°.43 2°.5/10.9 17

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 36.36	+30 11.4	1.969	2.797	13.3	21.1
11 17	5 30.65	+30 20.4	1.893	2.796	10.1	20.9
11 27	5 22.54	+30 21.5	1.841	2.795	6.4	20.6
12 7	5 12.91	+30 12.8	1.816	2.794	3.0	20.4
12 17	5 2.90	+29 54.0	1.820	2.793	3.6	20.5
12 27	4 53.77	+29 27.1	1.852	2.793	7.2	20.7
1 6	4 46.56	+28 55.9	1.911	2.792	10.8	20.9
1 16	4 41.96	+28 24.4	1.994	2.792	14.0	21.1

220108 2002 TZ_{25} 12 10.3 156°.06 3°.4/ 9.6 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 38.82	+15 57.8	1.653	2.490	15.0	20.4
11 17	5 32.48	+15 20.8	1.586	2.494	11.3	20.2
11 27	5 23.61	+14 46.3	1.542	2.498	7.1	20.0
12 7	5 13.19	+14 16.8	1.525	2.502	3.7	19.8
12 17	5 2.42	+13 54.6	1.536	2.505	5.0	19.8
12 27	4 52.68	+13 42.1	1.576	2.508	9.0	20.1
1 6	4 45.02	+13 40.2	1.641	2.511	13.0	20.3
1 16	4 40.14	+13 49.1	1.727	2.513	16.3	20.6

136908 1998 HV_{92} 12 10.3 190°.70 1°.7/10.6 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 41.77	+26 54.1	1.727	2.557	14.8	21.0
11 17	5 34.91	+27 11.4	1.651	2.556	11.1	20.7
11 27	5 25.20	+27 23.2	1.598	2.555	6.8	20.5
12 7	5 13.62	+27 27.1	1.572	2.553	2.5	20.2
12 17	5 1.51	+27 22.1	1.575	2.551	3.6	20.3
12 27	4 50.39	+27 9.6	1.607	2.548	8.1	20.5
1 6	4 41.53	+26 53.3	1.665	2.544	12.3	20.8
1 16	4 35.73	+26 37.2	1.746	2.540	15.8	21.0

37316 2001 QS_{28} 12 10.3 357°.72 5°.9/ 9.2 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 31.24	+11 53.8	1.360	2.217	16.5	17.3
11 17	5 27.34	+11 1.0	1.297	2.212	12.7	17.0
11 27	5 20.78	+10 15.6	1.255	2.209	8.7	16.8
12 7	5 12.50	+ 9 42.4	1.237	2.207	6.0	16.7
12 17	5 3.79	+ 9 25.1	1.244	2.206	7.2	16.7
12 27	4 56.09	+ 9 25.9	1.276	2.206	10.9	16.9
1 6	4 50.54	+ 9 44.2	1.331	2.208	14.9	17.2
1 16	4 47.87	+10 17.5	1.405	2.211	18.4	17.4

411136 2009 WZ_{229} 12 10.3 332°.16 3°.6/ 9.3 17

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 32.46	+15 40.8	1.894	2.735	13.2	20.1
11 17	5 27.66	+14 49.5	1.816	2.726	10.0	19.9
11 27	5 20.74	+13 59.6	1.762	2.718	6.4	19.7
12 7	5 12.47	+13 14.2	1.734	2.709	3.7	19.5
12 17	5 3.84	+12 36.4	1.735	2.702	4.9	19.6
12 27	4 55.94	+12 8.9	1.764	2.694	8.4	19.8
1 6	4 49.72	+11 53.5	1.819	2.688	12.0	20.0
1 16	4 45.79	+11 50.2	1.896	2.681	15.1	20.2

259827 2004 CO_{9} 12 10.3 40°.93 3°.4/10.9 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 38.60	+31 44.5	1.768	2.595	14.6	20.7
11 17	5 32.54	+32 1.9	1.697	2.598	11.1	20.5
11 27	5 23.76	+32 9.6	1.649	2.600	7.3	20.3
12 7	5 13.25	+32 4.7	1.627	2.602	3.9	20.1
12 17	5 2.31	+31 46.5	1.634	2.605	4.4	20.1
12 27	4 52.43	+31 17.2	1.669	2.608	8.0	20.4
1 6	4 44.79	+30 41.6	1.729	2.611	11.8	20.6
1 16	4 40.11	+30 4.7	1.813	2.614	15.1	20.8

410655 2008 SC_{57} 12 10.3 357°.61 7°.7/ 7.8 17

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 31.20	+ 4 9.5	2.002	2.821	13.5	20.4
11 17	5 26.51	+ 2 46.0	1.937	2.820	11.0	20.3
11 27	5 19.96	+ 1 32.7	1.896	2.818	8.7	20.1
12 7	5 12.27	+ 0 34.9	1.881	2.817	7.7	20.1
12 17	5 4.31	− 0 3.2	1.894	2.817	8.5	20.1
12 27	4 57.05	− 0 19.6	1.932	2.817	10.6	20.2
1 6	4 51.29	− 0 15.0	1.994	2.818	13.0	20.4
1 16	4 47.60	+ 0 7.9	2.077	2.818	15.4	20.6

328807 2009 VO_{47} 12 10.3 237°.67 1°.7/10.4 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
11 7	5 37.37	+26 10.7	2.457	3.276	11.3	20.6
11 17	5 31.10	+26 55.0	2.368	3.269	8.4	20.4
11 27	5 22.76	+27 37.2	2.306	3.261	5.2	20.2
12 7	5 13.01	+28 14.9	2.273	3.253	2.1	20.0
12 17	5 2.75	+28 46.0	2.271	3.245	3.0	20.0
12 27	4 53.02	+29 10.1	2.300	3.237	6.3	20.2
1 6	4 44.76	+29 28.1	2.357	3.229	9.5	20.4
1 16	4 38.65	+29 42.2	2.439	3.220	12.3	20.6

294033 2007 TZ_{128} 12 10.3 117°.36 0°.2/10.3 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 38.57	+23 44.0	1.969	2.799	13.3	21.4
11 17	5 32.00	+23 40.8	1.905	2.812	9.7	21.2
11 27	5 23.21	+23 34.5	1.865	2.825	5.8	21.0
12 7	5 13.09	+23 24.4	1.854	2.837	1.5	20.7
12 17	5 2.74	+23 11.2	1.872	2.849	2.9	20.8
12 27	4 53.34	+22 56.6	1.920	2.861	7.0	21.1
1 6	4 45.83	+22 42.9	1.995	2.872	10.6	21.4
1 16	4 40.83	+22 32.5	2.094	2.883	13.7	21.6

491349 2011 YG_{51} 12 10.3 269°.33 4°.1/11.0 17

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 38.77	+33 50.0	2.066	2.881	13.3	21.9
11 17	5 32.64	+34 20.9	1.975	2.866	10.3	21.7
11 27	5 23.88	+34 42.6	1.908	2.851	7.1	21.5
12 7	5 13.33	+34 51.4	1.867	2.836	4.4	21.3
12 17	5 2.13	+34 45.4	1.856	2.821	4.8	21.3
12 27	4 51.68	+34 25.6	1.873	2.806	7.8	21.5
1 6	4 43.18	+33 55.8	1.917	2.790	11.2	21.6
1 16	4 37.43	+33 21.1	1.985	2.774	14.4	21.8

321215 2008 YD_{97} 12 10.3 225°.67 2°.3/10.8 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 38.82	+29 28.6	1.918	2.744	13.7	21.2
11 17	5 32.56	+29 36.0	1.837	2.739	10.3	21.0
11 27	5 23.75	+29 35.6	1.779	2.734	6.5	20.7
12 7	5 13.27	+29 25.5	1.750	2.729	2.9	20.5
12 17	5 2.34	+29 5.2	1.749	2.723	3.6	20.5
12 27	4 52.29	+28 36.9	1.777	2.718	7.5	20.8
1 6	4 44.26	+28 4.6	1.832	2.712	11.3	21.0
1 16	4 38.98	+27 32.5	1.910	2.706	14.6	21.2

52074 2002 RJ_{2} 12 10.3 128°.34 1°.8/10.0 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 41.30	+18 47.6	1.808	2.637	14.3	20.6
11 17	5 34.03	+18 32.0	1.748	2.655	10.5	20.4
11 27	5 24.40	+18 17.0	1.713	2.671	6.3	20.2
12 7	5 13.39	+18 3.2	1.705	2.687	2.3	20.0
12 17	5 2.19	+17 51.7	1.728	2.702	3.7	20.1
12 27	4 52.06	+17 44.2	1.779	2.716	7.8	20.4
1 6	4 44.00	+17 42.1	1.858	2.729	11.6	20.6
1 16	4 38.60	+17 46.3	1.959	2.741	14.8	20.9

40188 1998 RQ_{64} 12 10.3 55°.13 1°.1/10.1 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 35.66	+20 30.4	1.894	2.731	13.4	18.5
11 17	5 29.79	+20 19.4	1.842	2.753	9.8	18.4
11 27	5 21.86	+20 8.0	1.815	2.776	5.8	18.2
12 7	5 12.74	+19 56.7	1.815	2.798	1.7	17.9
12 17	5 3.51	+19 46.3	1.844	2.821	3.1	18.1
12 27	4 55.25	+19 38.3	1.903	2.843	7.1	18.4
1 6	4 48.84	+19 34.3	1.987	2.866	10.6	18.6
1 16	4 44.80	+19 35.1	2.095	2.889	13.6	18.9

463958 2014 VU_{13} 12 10.3 353°.07 4°.5/ 9.4 17

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 32.17	+10 22.2	2.111	2.940	12.5	20.6
11 17	5 27.21	+ 9 52.6	2.039	2.938	9.6	20.4
11 27	5 20.39	+ 9 29.8	1.991	2.937	6.7	20.2
12 7	5 12.41	+ 9 16.1	1.970	2.936	4.6	20.1
12 17	5 4.13	+ 9 13.4	1.978	2.935	5.4	20.2
12 27	4 56.51	+ 9 22.5	2.014	2.934	8.2	20.3
1 6	4 50.36	+ 9 42.9	2.075	2.934	11.2	20.5
1 16	4 46.26	+10 13.2	2.160	2.934	13.9	20.7

35821 1999 JW_{50} 12 10.3 36°.90 4°.2/ 9.6 18 R

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 36.07	+15 14.0	1.370	2.222	16.7	17.6
11 17	5 30.77	+14 30.6	1.315	2.231	12.5	17.4
11 27	5 22.72	+13 51.6	1.282	2.240	8.0	17.2
12 7	5 13.01	+13 20.3	1.273	2.250	4.4	17.0
12 17	5 3.02	+12 59.7	1.291	2.260	5.8	17.1
12 27	4 54.23	+12 52.1	1.335	2.271	10.0	17.4
1 6	4 47.79	+12 57.7	1.403	2.282	14.1	17.6
1 16	4 44.34	+13 15.6	1.491	2.294	17.7	17.9

326013 2010 WR_{54} 12 10.3 141°.90 1°.0/10.6 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 42.78	+26 55.3	1.618	2.449	15.6	21.0
11 17	5 35.55	+26 39.8	1.552	2.459	11.6	20.8
11 27	5 25.49	+26 16.5	1.509	2.468	6.9	20.6
12 7	5 13.70	+25 44.6	1.493	2.476	2.1	20.3
12 17	5 1.64	+25 5.5	1.507	2.484	3.4	20.4
12 27	4 50.84	+24 23.0	1.549	2.491	8.2	20.7
1 6	4 42.49	+23 42.0	1.617	2.498	12.5	21.0
1 16	4 37.27	+23 6.6	1.707	2.504	16.1	21.2

381044 2006 VP_{144} 12 10.3 266°.39 0°.7/10.2 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
11 7	5 39.04	+22 48.1	1.520	2.364	15.8	21.2
11 17	5 33.22	+22 26.7	1.437	2.351	11.8	21.0
11 27	5 24.38	+22 1.1	1.376	2.338	7.0	20.7
12 7	5 13.49	+21 31.6	1.341	2.325	1.9	20.3
12 17	5 1.94	+20 59.6	1.334	2.311	3.8	20.4
12 27	4 51.34	+20 28.6	1.355	2.298	9.0	20.7
1 6	4 43.08	+20 2.3	1.400	2.284	13.8	20.9
1 16	4 38.00	+19 43.9	1.466	2.270	17.9	21.1

123516 2000 XN_{1} 12 10.3 299°.45 0°.8/10.2 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 37.40	+20 28.4	1.654	2.496	14.8	19.4
11 17	5 31.72	+20 37.5	1.578	2.491	11.0	19.2
11 27	5 23.36	+20 47.5	1.525	2.487	6.5	18.9
12 7	5 13.22	+20 57.4	1.499	2.482	1.8	18.6
12 17	5 2.54	+21 7.0	1.501	2.478	3.5	18.7
12 27	4 52.74	+21 17.0	1.531	2.474	8.2	19.0
1 6	4 45.03	+21 28.5	1.587	2.470	12.5	19.2
1 16	4 40.18	+21 43.1	1.664	2.466	16.2	19.4

195196 2002 CB_{290} 12 10.3 181°.33 1°.6/10.3 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 39.43	+16 53.5	1.744	2.578	14.5	19.9
11 17	5 33.05	+17 20.2	1.670	2.578	10.8	19.6
11 27	5 24.08	+17 52.0	1.619	2.578	6.5	19.4
12 7	5 13.40	+18 27.7	1.596	2.578	2.3	19.1
12 17	5 2.20	+19 5.8	1.602	2.578	3.6	19.2
12 27	4 51.83	+19 45.4	1.638	2.578	8.1	19.5
1 6	4 43.46	+20 26.0	1.700	2.577	12.2	19.7
1 16	4 37.85	+21 7.7	1.784	2.576	15.6	20.0

416138 2002 QK_{122} 12 10.3 83°.33 6°.2/ 8.9 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 32.45	+ 4 23.2	2.332	3.141	12.1	21.5
11 17	5 27.13	+ 3 37.1	2.275	3.154	9.7	21.3
11 27	5 20.21	+ 3 1.4	2.242	3.166	7.4	21.2
12 7	5 12.36	+ 2 38.9	2.237	3.179	6.2	21.1
12 17	5 4.36	+ 2 31.7	2.260	3.192	6.8	21.2
12 27	4 57.04	+ 2 40.4	2.311	3.204	8.7	21.3
1 6	4 51.06	+ 3 3.5	2.388	3.217	10.9	21.5
1 16	4 46.92	+ 3 38.9	2.487	3.229	13.1	21.7

118600 2000 GD_{106} 12 10.3 282°.66 4°.8/10.9 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 41.02	+32 35.9	1.544	2.375	16.2	19.7
11 17	5 35.12	+33 18.8	1.459	2.359	12.6	19.4
11 27	5 25.76	+33 52.5	1.395	2.344	8.6	19.2
12 7	5 13.92	+34 11.4	1.357	2.329	5.2	18.9
12 17	5 1.13	+34 12.0	1.345	2.313	5.8	18.9
12 27	4 49.30	+33 55.1	1.361	2.298	9.7	19.1
1 6	4 40.07	+33 25.8	1.401	2.282	14.0	19.3
1 16	4 34.48	+32 51.1	1.462	2.267	17.9	19.5

443039 2013 ET_{81} 12 10.3 46°.99 3°.7/ 9.7 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 35.18	+13 56.6	1.779	2.616	14.1	20.9
11 17	5 29.70	+13 32.6	1.712	2.620	10.6	20.7
11 27	5 21.97	+13 13.8	1.670	2.624	6.8	20.5
12 7	5 12.85	+13 1.9	1.653	2.628	3.9	20.4
12 17	5 3.41	+12 58.7	1.666	2.633	5.0	20.4
12 27	4 54.83	+13 5.1	1.706	2.637	8.5	20.7
1 6	4 48.09	+13 21.1	1.771	2.642	12.1	20.9
1 16	4 43.82	+13 45.9	1.859	2.647	15.3	21.1

448342 2009 FS_{46} 12 10.3 175°.23 4°.9/11.1 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 41.69	+36 29.9	2.285	3.083	12.7	21.4
11 17	5 34.56	+37 18.9	2.208	3.086	10.0	21.2
11 27	5 24.92	+37 57.6	2.155	3.087	7.2	21.0
12 7	5 13.62	+38 21.9	2.130	3.088	5.1	20.9
12 17	5 1.82	+38 29.3	2.135	3.089	5.4	20.9
12 27	4 50.83	+38 20.7	2.169	3.090	7.7	21.1
1 6	4 41.78	+37 59.5	2.230	3.089	10.5	21.3
1 16	4 35.41	+37 31.1	2.316	3.089	13.1	21.4

349385 2007 WU_{55} 12 10.3 95°.34 0°.7/10.4 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 41.00	+22 45.9	1.902	2.729	13.7	20.5
11 17	5 33.90	+23 26.4	1.843	2.749	10.1	20.3
11 27	5 24.42	+24 6.0	1.809	2.768	6.0	20.1
12 7	5 13.46	+24 42.0	1.804	2.787	1.7	19.8
12 17	5 2.22	+25 12.6	1.829	2.806	3.0	20.0
12 27	4 51.96	+25 37.7	1.883	2.824	7.1	20.3
1 6	4 43.71	+25 58.4	1.965	2.842	10.8	20.5
1 16	4 38.11	+26 16.8	2.071	2.859	13.9	20.8

512192 2015 RU_{252} 12 10.3 150°.83 5°.4/11.6 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 42.91	+39 6.8	2.307	3.096	12.9	21.8
11 17	5 35.37	+39 45.4	2.236	3.105	10.3	21.7
11 27	5 25.33	+40 11.2	2.189	3.113	7.6	21.5
12 7	5 13.71	+40 20.2	2.169	3.121	5.6	21.4
12 17	5 1.72	+40 10.7	2.179	3.128	5.8	21.4
12 27	4 50.70	+39 44.2	2.218	3.134	7.8	21.6
1 6	4 41.74	+39 5.4	2.285	3.140	10.4	21.7
1 16	4 35.52	+38 20.0	2.375	3.146	12.8	21.9

198687 2005 CH_{15} 12 10.3 344°.38 0°.9/10.2 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
11 7	5 36.65	+20 44.7	1.567	2.413	15.3	20.3
11 17	5 31.24	+20 44.8	1.495	2.410	11.3	20.1
11 27	5 23.11	+20 44.8	1.446	2.408	6.7	19.8
12 7	5 13.18	+20 44.6	1.423	2.406	1.9	19.5
12 17	5 2.75	+20 44.3	1.427	2.404	3.6	19.6
12 27	4 53.28	+20 45.3	1.459	2.402	8.5	19.9
1 6	4 45.98	+20 49.2	1.515	2.401	12.8	20.2
1 16	4 41.62	+20 57.5	1.594	2.400	16.6	20.4

331453 2012 HF_{20} 12 10.3 125°.91 3°.3/ 9.9 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 33.81	+10 57.0	2.583	3.400	10.9	20.5
11 17	5 28.07	+10 54.9	2.515	3.409	8.2	20.3
11 27	5 20.77	+10 59.0	2.472	3.418	5.5	20.2
12 7	5 12.53	+11 10.0	2.457	3.427	3.5	20.1
12 17	5 4.07	+11 28.4	2.474	3.435	4.1	20.1
12 27	4 56.19	+11 53.9	2.520	3.443	6.6	20.3
1 6	4 49.58	+12 25.8	2.594	3.451	9.2	20.5
1 16	4 44.71	+13 3.3	2.694	3.459	11.6	20.7

20614 1999 SN_{3} 12 10.3 110°.57 0°.1/10.3 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 46.45	+28 2.4	1.638	2.462	15.8	17.8
11 17	5 37.84	+26 42.5	1.578	2.482	11.6	17.6
11 27	5 26.58	+25 10.4	1.543	2.501	6.9	17.3
12 7	5 13.95	+23 29.1	1.536	2.520	1.7	17.1
12 17	5 1.44	+21 44.2	1.561	2.538	3.4	17.2
12 27	4 50.48	+20 3.6	1.616	2.555	8.2	17.6
1 6	4 42.10	+18 34.0	1.699	2.572	12.4	17.8
1 16	4 36.81	+17 19.8	1.805	2.588	15.8	18.1

80445 1999 YO_{10} 12 10.3 253°.74 1°.7/10.1 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 38.94	+19 6.3	1.566	2.408	15.5	20.1
11 17	5 33.03	+19 1.4	1.486	2.398	11.6	19.9
11 27	5 24.24	+18 57.7	1.428	2.389	7.0	19.6
12 7	5 13.49	+18 55.5	1.397	2.379	2.3	19.3
12 17	5 2.10	+18 55.2	1.393	2.369	4.0	19.4
12 27	4 51.59	+18 58.1	1.417	2.359	8.9	19.6
1 6	4 43.29	+19 5.8	1.467	2.348	13.5	19.9
1 16	4 38.04	+19 19.3	1.538	2.338	17.4	20.1

180997 2005 NW_{29} 12 10.3 199°.35 1°.7/10.0 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 35.98	+18 3.0	2.137	2.967	12.3	21.3
11 17	5 30.08	+17 55.8	2.058	2.965	9.2	21.1
11 27	5 22.14	+17 50.0	2.005	2.963	5.5	20.9
12 7	5 12.91	+17 46.2	1.980	2.961	2.1	20.7
12 17	5 3.31	+17 44.9	1.984	2.958	3.3	20.8
12 27	4 54.41	+17 47.1	2.018	2.955	7.0	21.0
1 6	4 47.10	+17 53.6	2.080	2.952	10.5	21.2
1 16	4 42.00	+18 5.2	2.165	2.948	13.5	21.4

161244 2003 BP_{31} 12 10.3 12°.16 4°.2/11.2 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 36.72	+32 6.0	1.092	1.951	19.5	18.9
11 17	5 32.34	+32 13.7	1.037	1.954	14.9	18.7
11 27	5 24.12	+32 6.3	1.000	1.958	9.7	18.4
12 7	5 13.46	+31 40.7	0.986	1.964	5.0	18.2
12 17	5 2.34	+30 57.1	0.996	1.970	5.5	18.2
12 27	4 52.89	+30 1.0	1.030	1.978	10.4	18.5
1 6	4 46.69	+29 1.2	1.086	1.988	15.3	18.8
1 16	4 44.47	+28 5.0	1.161	1.998	19.5	19.1

342234 2008 SR_{270} 12 10.3 65°.50 2°.7/10.6 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 41.18	+27 41.9	1.495	2.334	16.3	20.7
11 17	5 34.70	+28 24.2	1.438	2.347	12.2	20.5
11 27	5 25.17	+29 0.6	1.404	2.361	7.6	20.2
12 7	5 13.70	+29 27.1	1.396	2.376	3.3	20.0
12 17	5 1.84	+29 41.5	1.415	2.390	4.3	20.1
12 27	4 51.25	+29 44.8	1.462	2.404	8.6	20.4
1 6	4 43.25	+29 40.7	1.534	2.419	12.8	20.7
1 16	4 38.57	+29 33.7	1.628	2.433	16.3	21.0

459884 2014 KM_{34} 12 10.3 84°.07 10°.9/ 9.6 16

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 35.76	− 8 55.1	2.047	2.805	15.3	21.4
11 17	5 29.61	− 9 52.6	2.009	2.829	13.3	21.3
11 27	5 21.68	−10 28.1	1.994	2.852	11.7	21.3
12 7	5 12.75	−10 37.1	2.001	2.875	10.9	21.3
12 17	5 3.76	−10 18.1	2.034	2.898	11.2	21.3
12 27	4 55.65	− 9 32.4	2.092	2.920	12.3	21.5
1 6	4 49.17	− 8 24.4	2.172	2.942	13.9	21.6
1 16	4 44.81	− 6 59.7	2.272	2.964	15.5	21.8

165114 2000 JK_{27} 12 10.3 210°.57 1°.8/10.8 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 34.83	+29 16.8	2.727	3.543	10.4	20.4
11 17	5 29.00	+29 24.1	2.642	3.539	7.8	20.2
11 27	5 21.41	+29 25.7	2.582	3.535	4.9	20.0
12 7	5 12.72	+29 20.6	2.552	3.530	2.2	19.8
12 17	5 3.73	+29 8.5	2.552	3.525	2.7	19.9
12 27	4 55.31	+28 50.7	2.582	3.520	5.6	20.0
1 6	4 48.26	+28 29.4	2.642	3.515	8.5	20.2
1 16	4 43.11	+28 7.3	2.726	3.509	11.0	20.4

135802 2002 RA_{119} 12 10.3 10°.69 10°.2/14.7 17

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
11 7	5 45.90	+49 44.4	1.521	2.298	18.9	19.3
11 17	5 38.89	+49 51.7	1.454	2.299	16.1	19.1
11 27	5 27.82	+49 29.4	1.406	2.302	13.2	18.9
12 7	5 14.36	+48 30.5	1.380	2.305	10.9	18.8
12 17	5 0.76	+46 54.0	1.378	2.309	10.3	18.8
12 27	4 49.29	+44 47.0	1.403	2.313	11.8	18.9
1 6	4 41.42	+42 22.7	1.452	2.319	14.5	19.1
1 16	4 37.75	+39 54.9	1.523	2.325	17.4	19.3

325597 2009 SM_{162} 12 10.3 30°.00 6°.1/11.8 17

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 39.63	+39 44.1	1.997	2.798	14.2	21.0
11 17	5 33.35	+40 21.0	1.926	2.801	11.4	20.9
11 27	5 24.31	+40 43.6	1.877	2.803	8.5	20.7
12 7	5 13.50	+40 47.4	1.855	2.806	6.4	20.6
12 17	5 2.26	+40 30.6	1.860	2.809	6.5	20.6
12 27	4 52.07	+39 55.2	1.892	2.812	8.6	20.7
1 6	4 44.14	+39 6.6	1.951	2.815	11.5	20.9
1 16	4 39.19	+38 11.3	2.032	2.819	14.2	21.1

214610 2006 RL_{34} 12 10.3 103°.69 1°.4/10.6 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 39.01	+27 12.3	2.011	2.837	13.2	20.8
11 17	5 32.36	+27 19.0	1.949	2.853	9.8	20.7
11 27	5 23.47	+27 20.0	1.912	2.869	5.9	20.5
12 7	5 13.25	+27 14.0	1.903	2.884	2.1	20.2
12 17	5 2.82	+27 1.0	1.923	2.899	3.0	20.3
12 27	4 53.37	+26 42.9	1.973	2.914	6.8	20.6
1 6	4 45.85	+26 22.8	2.051	2.929	10.4	20.9
1 16	4 40.85	+26 3.7	2.152	2.943	13.3	21.1

99314 2001 TM_{29} 12 10.3 196°.06 2°.3/10.7 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 37.80	+28 58.2	2.013	2.839	13.2	20.4
11 17	5 31.72	+29 17.7	1.936	2.838	9.9	20.1
11 27	5 23.26	+29 30.9	1.883	2.838	6.2	19.9
12 7	5 13.24	+29 35.5	1.858	2.837	2.8	19.7
12 17	5 2.81	+29 30.8	1.863	2.836	3.5	19.8
12 27	4 53.20	+29 18.0	1.896	2.836	7.2	20.0
1 6	4 45.48	+29 0.1	1.956	2.835	10.8	20.2
1 16	4 40.35	+28 40.9	2.040	2.834	13.9	20.4

413809 2006 KF_{45} 12 10.3 142°.62 6°.1/ 9.3 17

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 32.41	+ 2 35.5	2.527	3.326	11.6	21.4
11 17	5 27.09	+ 2 8.0	2.459	3.330	9.4	21.3
11 27	5 20.23	+ 1 51.6	2.415	3.333	7.3	21.2
12 7	5 12.44	+ 1 48.6	2.399	3.336	6.1	21.1
12 17	5 4.42	+ 2 0.4	2.411	3.339	6.6	21.1
12 27	4 56.97	+ 2 27.1	2.451	3.342	8.4	21.2
1 6	4 50.75	+ 3 7.0	2.518	3.345	10.5	21.4
1 16	4 46.24	+ 3 57.8	2.608	3.348	12.6	21.6

171852 2001 MY_{3} 12 10.3 195°.60 0°.7/10.6 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 38.44	+27 3.1	2.229	3.050	12.2	20.3
11 17	5 31.86	+26 38.0	2.146	3.048	9.1	20.1
11 27	5 23.19	+26 6.1	2.089	3.046	5.5	19.9
12 7	5 13.22	+25 27.2	2.060	3.043	1.6	19.6
12 17	5 2.96	+24 42.9	2.062	3.039	2.7	19.7
12 27	4 53.51	+23 56.0	2.095	3.035	6.5	19.9
1 6	4 45.78	+23 10.2	2.155	3.030	10.1	20.1
1 16	4 40.37	+22 28.8	2.241	3.025	13.1	20.3

323943 2005 UW_{16} 12 10.3 346°.34 0°.3/10.4 17 R

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 31.81	+25 38.0	1.362	2.221	16.3	19.8
11 17	5 28.15	+25 7.7	1.285	2.207	12.2	19.5
11 27	5 21.49	+24 29.2	1.230	2.194	7.3	19.2
12 7	5 12.86	+23 43.2	1.199	2.183	1.9	18.8
12 17	5 3.64	+22 52.4	1.194	2.173	3.7	18.9
12 27	4 55.47	+22 1.5	1.215	2.164	9.1	19.2
1 6	4 49.67	+21 15.7	1.259	2.157	14.0	19.5
1 16	4 47.05	+20 39.1	1.324	2.152	18.1	19.7

206020 2002 PF_{166} 12 10.3 202°.44 7°.6/ 9.3 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 35.42	+ 2 20.7	1.955	2.762	14.2	20.8
11 17	5 29.73	+ 1 41.8	1.885	2.760	11.6	20.6
11 27	5 21.98	+ 1 16.7	1.839	2.759	9.1	20.4
12 7	5 12.93	+ 1 9.1	1.818	2.757	7.7	20.3
12 17	5 3.53	+ 1 21.3	1.825	2.755	8.2	20.4
12 27	4 54.86	+ 1 53.3	1.858	2.752	10.4	20.5
1 6	4 47.81	+ 2 42.8	1.917	2.750	13.1	20.7
1 16	4 43.00	+ 3 46.2	1.997	2.747	15.6	20.9

128068 2003 OT_{4} 12 10.3 144°.40 2°.1/11.1 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 37.33	+31 30.5	2.478	3.290	11.4	19.6
11 17	5 30.86	+31 17.5	2.402	3.297	8.6	19.4
11 27	5 22.51	+30 55.8	2.353	3.303	5.5	19.2
12 7	5 13.03	+30 24.7	2.332	3.309	2.6	19.0
12 17	5 3.38	+29 45.0	2.342	3.315	3.0	19.1
12 27	4 54.54	+28 59.2	2.382	3.321	6.0	19.3
1 6	4 47.31	+28 11.0	2.451	3.326	9.0	19.5
1 16	4 42.24	+27 24.0	2.546	3.331	11.7	19.7

244566 2002 VC_{117} 12 10.3 115°.40 3°.2/11.2 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
11 7	5 40.12	+32 53.1	2.045	2.860	13.4	20.8
11 17	5 33.28	+32 58.1	1.978	2.872	10.2	20.6
11 27	5 24.06	+32 52.7	1.936	2.884	6.7	20.4
12 7	5 13.44	+32 34.8	1.922	2.895	3.6	20.3
12 17	5 2.60	+32 4.6	1.937	2.907	4.0	20.3
12 27	4 52.80	+31 24.7	1.981	2.918	7.1	20.5
1 6	4 45.05	+30 39.9	2.053	2.928	10.5	20.8
1 16	4 39.95	+29 54.9	2.148	2.939	13.4	21.0

85691 1998 RH_{57} 12 10.3 118°.43 1°.6/10.7 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 39.63	+27 29.6	2.019	2.843	13.2	20.2
11 17	5 32.85	+27 38.2	1.954	2.857	9.8	20.0
11 27	5 23.80	+27 41.0	1.914	2.870	6.0	19.8
12 7	5 13.38	+27 36.3	1.902	2.883	2.2	19.5
12 17	5 2.71	+27 24.2	1.921	2.896	3.1	19.6
12 27	4 53.01	+27 6.4	1.968	2.909	6.9	19.9
1 6	4 45.26	+26 46.1	2.043	2.921	10.4	20.1
1 16	4 40.05	+26 26.4	2.142	2.932	13.4	20.4

120850 1998 OO_{8} 12 10.3 83°.58 2°.7/11.1 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 37.28	+31 48.7	2.159	2.978	12.6	19.7
11 17	5 31.08	+31 49.1	2.092	2.988	9.6	19.5
11 27	5 22.73	+31 40.4	2.048	2.998	6.2	19.3
12 7	5 13.10	+31 21.1	2.033	3.009	3.1	19.1
12 17	5 3.26	+30 51.6	2.047	3.019	3.6	19.2
12 27	4 54.33	+30 14.4	2.090	3.029	6.7	19.4
1 6	4 47.25	+29 33.4	2.161	3.039	9.9	19.6
1 16	4 42.58	+28 52.6	2.256	3.049	12.8	19.8

362354 2010 MB_{90} 12 10.4 62°.70 0°.2/10.3 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 36.36	+23 32.7	1.850	2.687	13.7	21.0
11 17	5 30.58	+23 17.5	1.784	2.695	10.1	20.8
11 27	5 22.51	+22 58.8	1.743	2.703	5.9	20.5
12 7	5 13.06	+22 36.8	1.728	2.711	1.5	20.3
12 17	5 3.35	+22 12.7	1.742	2.720	3.0	20.4
12 27	4 54.59	+21 48.8	1.785	2.728	7.3	20.7
1 6	4 47.75	+21 27.8	1.855	2.737	11.1	20.9
1 16	4 43.44	+21 11.9	1.947	2.745	14.3	21.1

218123 2002 PR_{114} 12 10.4 51°.78 2°.7/10.9 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 41.05	+29 20.4	1.248	2.096	18.2	19.6
11 17	5 34.96	+29 24.8	1.196	2.110	13.7	19.4
11 27	5 25.43	+29 18.6	1.165	2.124	8.5	19.2
12 7	5 13.82	+28 59.4	1.158	2.138	3.5	18.9
12 17	5 1.94	+28 27.7	1.176	2.153	4.5	19.0
12 27	4 51.69	+27 48.0	1.221	2.168	9.4	19.3
1 6	4 44.44	+27 6.5	1.290	2.183	14.1	19.6
1 16	4 40.86	+26 28.9	1.379	2.198	18.0	19.9

491470 2012 HS_{12} 12 10.4 141°.92 0°.9/10.2 17

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 35.05	+18 58.7	2.452	3.278	11.1	21.8
11 17	5 29.21	+19 15.3	2.376	3.281	8.2	21.6
11 27	5 21.59	+19 33.3	2.327	3.285	4.9	21.4
12 7	5 12.84	+19 52.4	2.306	3.288	1.5	21.2
12 17	5 3.78	+20 12.0	2.316	3.292	2.6	21.3
12 27	4 55.32	+20 32.1	2.356	3.295	6.0	21.5
1 6	4 48.25	+20 53.1	2.425	3.298	9.2	21.7
1 16	4 43.12	+21 15.5	2.519	3.301	11.9	21.9

284508 2007 PX_{38} 12 10.4 75°.78 2°.6/ 9.9 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 40.28	+16 46.3	1.690	2.524	14.9	21.3
11 17	5 33.23	+16 27.9	1.648	2.555	11.0	21.1
11 27	5 23.93	+16 12.5	1.629	2.587	6.7	20.9
12 7	5 13.39	+16 1.3	1.638	2.617	3.0	20.8
12 17	5 2.85	+15 55.2	1.676	2.648	4.2	20.9
12 27	4 53.53	+15 55.4	1.742	2.678	8.0	21.2
1 6	4 46.34	+16 2.5	1.835	2.707	11.7	21.5
1 16	4 41.79	+16 16.4	1.950	2.736	14.7	21.8

414989 2011 ES_{47} 12 10.4 228°.43 4°.6/ 9.7 17

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 33.04	+ 7 48.9	2.423	3.238	11.6	21.2
11 17	5 27.70	+ 7 34.2	2.347	3.236	9.0	21.0
11 27	5 20.69	+ 7 27.9	2.295	3.233	6.4	20.8
12 7	5 12.63	+ 7 31.6	2.271	3.231	4.7	20.7
12 17	5 4.27	+ 7 46.3	2.277	3.228	5.3	20.8
12 27	4 56.47	+ 8 12.2	2.311	3.225	7.6	20.9
1 6	4 49.96	+ 8 48.1	2.373	3.223	10.3	21.1
1 16	4 45.26	+ 9 32.4	2.458	3.220	12.7	21.2

176089 2000 YB_{80} 12 10.4 359°.64 2°.0/10.9 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 36.95	+29 31.7	1.061	1.925	19.6	18.9
11 17	5 32.56	+29 1.4	0.999	1.922	14.8	18.6
11 27	5 24.33	+28 16.1	0.957	1.920	9.1	18.3
12 7	5 13.63	+27 15.5	0.937	1.919	3.2	18.0
12 17	5 2.40	+26 2.9	0.941	1.920	4.5	18.1
12 27	4 52.80	+24 46.1	0.970	1.921	10.4	18.4
1 6	4 46.42	+23 34.2	1.020	1.924	15.9	18.7
1 16	4 44.03	+22 33.7	1.090	1.928	20.5	19.0

298611 2003 YK_{151} 12 10.4 20°.03 5°.2/10.2 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
11 7	5 40.91	+29 48.7	1.358	2.200	17.4	18.9
11 17	5 35.17	+31 29.8	1.299	2.207	13.3	18.7
11 27	5 25.86	+33 5.9	1.263	2.215	8.9	18.4
12 7	5 14.05	+34 28.5	1.251	2.223	5.5	18.3
12 17	5 1.45	+35 30.9	1.267	2.233	6.4	18.3
12 27	4 50.06	+36 11.3	1.308	2.243	10.2	18.6
1 6	4 41.54	+36 33.2	1.374	2.254	14.3	18.9
1 16	4 36.85	+36 42.5	1.460	2.266	17.8	19.1

86742 2000 GR_{53} 12 10.4 105°.89 0°.7/10.5 18

11 7	5 41.68	+24 55.3	1.718	2.549	14.8	19.7
11 17	5 34.57	+24 59.9	1.660	2.568	10.9	19.5
11 27	5 24.90	+25 0.2	1.627	2.586	6.5	19.3
12 7	5 13.70	+24 54.8	1.620	2.603	1.8	19.1
12 17	5 2.29	+24 43.9	1.643	2.621	3.2	19.2
12 27	4 52.06	+24 29.5	1.695	2.637	7.6	19.5
1 6	4 44.09	+24 14.7	1.774	2.654	11.6	19.8
1 16	4 39.00	+24 2.5	1.875	2.669	14.9	20.0

42618 1998 FM_{8} 12 10.4 67°.65 3°.8/10.8 18

11 7	5 45.06	+30 0.7	1.276	2.116	18.4	18.1
11 17	5 37.84	+30 43.1	1.232	2.140	13.8	17.9
11 27	5 27.10	+31 15.2	1.210	2.165	8.8	17.7
12 7	5 14.27	+31 32.1	1.212	2.189	4.4	17.5
12 17	5 1.24	+31 32.0	1.241	2.214	5.2	17.6
12 27	4 49.98	+31 17.7	1.296	2.238	9.6	17.9
1 6	4 41.86	+30 55.3	1.376	2.262	13.9	18.3
1 16	4 37.55	+30 31.0	1.476	2.286	17.5	18.6

139754 2001 QC_{281} 12 10.4 17°.84 5°.9/10.8 18

11 7	5 39.82	+34 2.2	1.553	2.382	16.2	19.0
11 17	5 34.09	+35 17.4	1.489	2.386	12.6	18.8
11 27	5 25.08	+36 22.6	1.448	2.391	8.9	18.6
12 7	5 13.83	+37 11.3	1.432	2.397	6.2	18.5
12 17	5 1.90	+37 39.0	1.443	2.403	6.6	18.5
12 27	4 51.11	+37 46.0	1.480	2.410	9.7	18.7
1 6	4 42.95	+37 36.8	1.542	2.417	13.3	18.9
1 16	4 38.30	+37 18.0	1.624	2.425	16.5	19.2

484518 2008 EW_{90} 12 10.4 261°.06 2°.2/10.1 18

11 7	5 36.75	+15 39.1	2.312	3.135	11.8	21.9
11 17	5 30.75	+15 44.5	2.211	3.113	8.9	21.7
11 27	5 22.69	+15 53.8	2.135	3.090	5.5	21.4
12 7	5 13.19	+16 7.2	2.088	3.067	2.5	21.2
12 17	5 3.12	+16 24.9	2.071	3.043	3.5	21.2
12 27	4 53.49	+16 46.9	2.085	3.019	7.0	21.4
1 6	4 45.25	+17 13.2	2.127	2.995	10.5	21.6
1 16	4 39.10	+17 44.0	2.193	2.969	13.6	21.8

515277 2012 TV_{103} 12 10.4 187°.61 0°.8/10.2 18

11 7	5 39.04	+22 21.7	1.764	2.599	14.3	21.6
11 17	5 32.74	+21 59.4	1.689	2.599	10.6	21.4
11 27	5 23.90	+21 33.8	1.638	2.599	6.3	21.1
12 7	5 13.48	+21 5.4	1.615	2.598	1.7	20.8
12 17	5 2.66	+20 35.9	1.620	2.597	3.4	20.9
12 27	4 52.80	+20 8.0	1.654	2.595	7.9	21.2
1 6	4 44.99	+19 44.6	1.715	2.593	12.0	21.5
1 16	4 39.93	+19 28.2	1.798	2.591	15.5	21.7

48317 2002 NY_{20} 12 10.4 13°.07 1°.5/ 9.9 17

11 7	5 33.06	+20 23.9	1.780	2.625	13.8	18.3
11 17	5 28.23	+19 55.9	1.714	2.629	10.1	18.1
11 27	5 21.18	+19 26.8	1.671	2.633	6.0	17.9
12 7	5 12.77	+18 58.0	1.656	2.638	2.1	17.6
12 17	5 4.07	+18 31.4	1.668	2.644	3.5	17.8
12 27	4 56.26	+18 9.4	1.708	2.650	7.7	18.0
1 6	4 50.29	+17 54.1	1.774	2.657	11.5	18.3
1 16	4 46.77	+17 46.5	1.863	2.664	14.7	18.5

101609 1999 CD_{7} 12 10.4 353°.54 14°.8/10.2 18

11 7	5 32.40	−16 13.8	1.739	2.478	18.3	18.7
11 17	5 27.79	−17 3.8	1.682	2.471	16.8	18.6
11 27	5 20.96	−17 23.4	1.642	2.465	15.6	18.5
12 7	5 12.73	−17 6.1	1.623	2.461	14.9	18.4
12 17	5 4.14	−16 8.8	1.624	2.457	15.0	18.4
12 27	4 56.36	−14 33.3	1.646	2.455	16.0	18.5
1 6	4 50.37	−12 26.2	1.689	2.454	17.5	18.6
1 16	4 46.79	− 9 56.1	1.751	2.453	19.1	18.7

308869 2006 SS_{31} 12 10.4 124°.39 1°.9/ 9.9 18

11 7	5 36.53	+18 28.7	2.006	2.838	12.9	21.3
11 17	5 30.51	+18 6.3	1.938	2.846	9.6	21.1
11 27	5 22.42	+17 44.4	1.895	2.853	5.8	20.9
12 7	5 13.08	+17 24.2	1.880	2.861	2.3	20.7
12 17	5 3.48	+17 7.1	1.895	2.868	3.6	20.8
12 27	4 54.72	+16 54.9	1.938	2.875	7.3	21.1
1 6	4 47.69	+16 48.8	2.009	2.881	10.8	21.3
1 16	4 42.97	+16 49.7	2.103	2.888	13.8	21.5

88501 2001 QC_{139} 12 10.4 88°.77 0°.7/10.5 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
11 7	5 42.91	+26 39.0	1.621	2.453	15.5	19.0
11 17	5 35.41	+26 12.6	1.571	2.478	11.4	18.9
11 27	5 25.30	+25 38.7	1.544	2.503	6.8	18.6
12 7	5 13.78	+24 57.5	1.545	2.528	1.9	18.4
12 17	5 2.25	+24 11.4	1.575	2.552	3.3	18.5
12 27	4 52.14	+23 24.3	1.633	2.576	7.8	18.9
1 6	4 44.46	+22 41.0	1.719	2.599	11.9	19.2
1 16	4 39.77	+22 4.9	1.826	2.622	15.2	19.4

307065 2002 AX_{7} 12 10.4 180°.75 1°.6/10.1 18

11 7	5 38.48	+18 38.6	2.038	2.866	12.9	21.2
11 17	5 32.01	+18 28.7	1.962	2.868	9.6	21.0
11 27	5 23.37	+18 19.6	1.910	2.868	5.8	20.8
12 7	5 13.34	+18 11.8	1.887	2.868	2.1	20.5
12 17	5 2.95	+18 5.9	1.894	2.868	3.4	20.6
12 27	4 53.34	+18 3.2	1.930	2.867	7.3	20.8
1 6	4 45.46	+18 5.0	1.994	2.865	10.9	21.1
1 16	4 39.96	+18 12.0	2.081	2.863	14.0	21.3

128291 2003 UV_{258} 12 10.4 113°.08 1°.9/10.6 18

11 7	5 38.08	+27 41.9	2.640	3.453	10.8	19.5
11 17	5 31.38	+28 21.8	2.573	3.469	8.0	19.3
11 27	5 22.86	+28 57.7	2.533	3.485	5.0	19.1
12 7	5 13.20	+29 27.3	2.523	3.501	2.2	19.0
12 17	5 3.26	+29 49.4	2.544	3.516	2.9	19.1
12 27	4 53.99	+30 4.0	2.596	3.531	5.7	19.3
1 6	4 46.19	+30 12.7	2.677	3.546	8.6	19.5
1 16	4 40.40	+30 17.8	2.783	3.560	11.0	19.7

145130 2005 GF_{153} 12 10.4 138°.20 1°.8/10.5 18

11 7	5 43.74	+25 32.2	1.685	2.513	15.2	20.4
11 17	5 36.41	+26 14.1	1.618	2.524	11.3	20.2
11 27	5 26.20	+26 52.8	1.576	2.533	6.9	19.9
12 7	5 14.10	+27 24.6	1.561	2.542	2.5	19.7
12 17	5 1.52	+27 47.2	1.575	2.551	3.7	19.8
12 27	4 50.03	+28 0.8	1.619	2.559	8.1	20.1
1 6	4 40.89	+28 8.0	1.688	2.566	12.2	20.3
1 16	4 34.88	+28 12.3	1.781	2.573	15.7	20.6

493980 2016 AM_{81} 12 10.4 205°.36 4°.6/12.3 18

11 7	5 40.08	+40 56.2	2.725	3.503	11.4	20.9
11 17	5 32.97	+40 51.3	2.637	3.500	9.1	20.7
11 27	5 23.82	+40 32.6	2.575	3.496	6.8	20.6
12 7	5 13.44	+39 57.9	2.540	3.491	4.9	20.5
12 17	5 2.85	+39 7.2	2.536	3.486	4.9	20.4
12 27	4 53.13	+38 3.0	2.561	3.481	6.7	20.6
1 6	4 45.15	+36 50.1	2.616	3.476	9.1	20.7
1 16	4 39.49	+35 33.8	2.696	3.470	11.4	20.9

309548 2007 YZ_{42} 12 10.4 344°.42 4°.9/10.2 18

11 7	5 35.29	+ 9 57.3	1.539	2.379	15.8	19.9
11 17	5 30.27	+10 2.1	1.466	2.372	12.2	19.6
11 27	5 22.62	+10 18.9	1.415	2.366	8.3	19.4
12 7	5 13.21	+10 49.4	1.390	2.361	5.2	19.2
12 17	5 3.23	+11 33.5	1.391	2.357	6.0	19.3
12 27	4 54.07	+12 29.7	1.419	2.353	9.7	19.5
1 6	4 46.94	+13 35.3	1.472	2.349	13.7	19.7
1 16	4 42.63	+14 47.2	1.547	2.347	17.3	19.9

48927 1998 OU_{14} 12 10.4 203°.55 0°.3/10.4 18

11 7	5 40.40	+23 54.5	1.711	2.545	14.7	19.1
11 17	5 33.93	+23 52.5	1.633	2.542	11.0	18.9
11 27	5 24.73	+23 46.8	1.579	2.539	6.5	18.6
12 7	5 13.73	+23 36.6	1.552	2.536	1.7	18.3
12 17	5 2.23	+23 22.1	1.554	2.531	3.3	18.4
12 27	4 51.69	+23 5.3	1.584	2.527	8.0	18.7
1 6	4 43.30	+22 49.4	1.641	2.522	12.3	18.9
1 16	4 37.85	+22 37.1	1.720	2.516	16.0	19.1

133293 Andrushivka 12 10.4 32°.04 5°.4/ 9.1 18

11 7	5 32.66	+ 9 33.7	1.941	2.771	13.4	19.4
11 17	5 27.66	+ 8 42.2	1.880	2.778	10.4	19.3
11 27	5 20.74	+ 7 58.3	1.843	2.786	7.4	19.1
12 7	5 12.67	+ 7 25.3	1.833	2.794	5.5	19.0
12 17	5 4.38	+ 7 6.1	1.850	2.802	6.3	19.1
12 27	4 56.87	+ 7 1.9	1.896	2.811	9.0	19.2
1 6	4 50.96	+ 7 12.3	1.966	2.819	11.9	19.4
1 16	4 47.21	+ 7 35.6	2.058	2.829	14.6	19.6

85997 1999 JB_{69} 12 10.4 154°.15 0°.3/10.4 18

11 7	5 37.17	+22 54.2	2.198	3.025	12.2	19.9
11 17	5 31.01	+23 10.3	2.123	3.029	9.0	19.7
11 27	5 22.77	+23 25.0	2.073	3.032	5.3	19.5
12 7	5 13.21	+23 37.1	2.053	3.036	1.4	19.3
12 17	5 3.31	+23 46.2	2.062	3.039	2.7	19.4
12 27	4 54.12	+23 52.8	2.101	3.042	6.5	19.6
1 6	4 46.57	+23 58.3	2.168	3.045	10.0	19.8
1 16	4 41.27	+24 4.4	2.259	3.047	12.9	20.0

63238 2001 BL_{24} 12 10.4 37°.61 7°.6/10.1 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
11 7	5 36.57	+ 4 7.0	1.535	2.360	16.6	18.7
11 17	5 31.00	+ 3 49.1	1.476	2.366	13.2	18.5
11 27	5 22.92	+ 3 47.9	1.439	2.372	9.9	18.3
12 7	5 13.27	+ 4 6.7	1.426	2.379	7.7	18.2
12 17	5 3.27	+ 4 46.4	1.439	2.386	8.3	18.3
12 27	4 54.24	+ 5 45.3	1.479	2.393	11.0	18.4
1 6	4 47.27	+ 6 59.3	1.543	2.401	14.3	18.7
1 16	4 43.04	+ 8 23.7	1.628	2.409	17.4	18.9

249480 2009 TX_{17} 12 10.4 87°.28 3°.7/10.2 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 36.36	+10 1.8	2.278	3.094	12.2	19.6
11 17	5 30.09	+10 11.0	2.220	3.113	9.2	19.4
11 27	5 22.07	+10 28.1	2.187	3.133	6.2	19.3
12 7	5 13.02	+10 53.4	2.183	3.152	3.9	19.1
12 17	5 3.79	+11 26.9	2.209	3.171	4.5	19.2
12 27	4 55.30	+12 7.5	2.265	3.190	7.1	19.4
1 6	4 48.30	+12 53.9	2.349	3.208	10.0	19.6
1 16	4 43.29	+13 44.7	2.457	3.226	12.5	19.8

509216 2006 SR_{224} 12 10.4 85°.11 6°.0/ 9.8 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 41.40	+ 9 52.1	1.398	2.232	17.4	21.5
11 17	5 34.45	+ 9 15.2	1.355	2.257	13.3	21.3
11 27	5 24.84	+ 8 49.4	1.333	2.281	9.1	21.1
12 7	5 13.73	+ 8 37.9	1.338	2.304	6.2	21.0
12 17	5 2.53	+ 8 42.6	1.369	2.328	7.1	21.1
12 27	4 52.70	+ 9 3.2	1.427	2.351	10.6	21.4
1 6	4 45.31	+ 9 37.7	1.509	2.373	14.2	21.7
1 16	4 40.93	+10 23.2	1.612	2.395	17.4	21.9

100890 1998 HS_{122} 12 10.4 187°.86 0°.9/10.3 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 41.20	+20 1.1	1.796	2.626	14.3	20.4
11 17	5 34.38	+20 11.5	1.719	2.626	10.6	20.1
11 27	5 24.96	+20 22.7	1.666	2.625	6.3	19.9
12 7	5 13.82	+20 34.0	1.640	2.623	1.8	19.6
12 17	5 2.18	+20 44.7	1.645	2.621	3.3	19.7
12 27	4 51.40	+20 55.5	1.678	2.618	7.9	20.0
1 6	4 42.65	+21 7.5	1.739	2.615	12.0	20.2
1 16	4 36.69	+21 22.3	1.822	2.611	15.5	20.4

399143 2014 ED_{34} 12 10.4 121°.03 7°.4/11.6 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 46.04	+41 33.2	1.923	2.711	15.1	20.8
11 17	5 38.36	+42 40.1	1.860	2.723	12.3	20.7
11 27	5 27.47	+43 31.3	1.820	2.734	9.6	20.5
12 7	5 14.47	+44 0.3	1.806	2.745	7.7	20.4
12 17	5 0.94	+44 3.6	1.819	2.756	7.7	20.5
12 27	4 48.63	+43 42.9	1.860	2.766	9.7	20.6
1 6	4 38.95	+43 4.2	1.926	2.776	12.3	20.8
1 16	4 32.71	+42 15.3	2.015	2.785	14.8	21.0

423706 2006 AB_{96} 12 10.4 101°.49 5°.6/ 9.7 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 34.31	+ 4 57.2	2.345	3.152	12.2	21.2
11 17	5 28.55	+ 4 37.8	2.286	3.166	9.6	21.0
11 27	5 21.16	+ 4 28.9	2.251	3.180	7.2	20.9
12 7	5 12.79	+ 4 32.6	2.244	3.193	5.6	20.8
12 17	5 4.25	+ 4 49.8	2.265	3.206	6.1	20.9
12 27	4 56.38	+ 5 20.0	2.316	3.220	8.1	21.0
1 6	4 49.90	+ 6 1.8	2.393	3.232	10.6	21.2
1 16	4 45.28	+ 6 52.7	2.494	3.245	12.8	21.4

230225 2001 TM_{161} 12 10.4 8°.84 0°.9/10.2 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 34.60	+22 26.5	1.103	1.972	18.6	19.8
11 17	5 30.52	+22 6.4	1.046	1.973	13.8	19.6
11 27	5 23.03	+21 43.0	1.010	1.976	8.2	19.3
12 7	5 13.35	+21 17.3	0.996	1.980	2.2	18.9
12 17	5 3.19	+20 51.4	1.006	1.985	4.3	19.1
12 27	4 54.44	+20 29.0	1.041	1.991	10.1	19.4
1 6	4 48.55	+20 13.6	1.098	1.999	15.3	19.8
1 16	4 46.25	+20 7.1	1.174	2.008	19.6	20.0

439948 2001 SD_{300} 12 10.4 54°.25 4°.2/11.4 17

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 41.87	+33 52.4	1.597	2.422	16.0	21.2
11 17	5 34.91	+34 8.3	1.554	2.451	12.2	21.0
11 27	5 25.14	+34 11.0	1.533	2.481	8.1	20.9
12 7	5 13.80	+33 57.6	1.538	2.510	4.7	20.7
12 17	5 2.43	+33 28.5	1.571	2.540	5.0	20.8
12 27	4 52.57	+32 47.4	1.631	2.569	8.3	21.1
1 6	4 45.31	+32 0.6	1.717	2.599	11.8	21.4
1 16	4 41.20	+31 13.8	1.826	2.628	14.9	21.6

275261 2009 YD_{19} 12 10.4 17°.83 1°.2/10.3 17

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 34.56	+18 19.9	2.123	2.956	12.3	20.1
11 17	5 29.13	+18 34.9	2.049	2.958	9.1	19.9
11 27	5 21.70	+18 52.3	2.001	2.960	5.4	19.7
12 7	5 12.98	+19 11.7	1.980	2.962	1.8	19.5
12 17	5 3.90	+19 32.7	1.989	2.965	3.0	19.6
12 27	4 55.51	+19 55.1	2.027	2.967	6.7	19.8
1 6	4 48.67	+20 19.1	2.093	2.970	10.2	20.0
1 16	4 44.01	+20 45.2	2.182	2.973	13.2	20.2

377066 2002 TL_{329} 12 10.4 214°.80 8°.8/12.2 17

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
11 7	5 48.73	+55 26.0	3.039	3.732	12.1	22.0
11 17	5 40.29	+56 38.8	2.958	3.725	10.8	21.9
11 27	5 28.70	+57 34.8	2.899	3.717	9.6	21.8
12 7	5 14.85	+58 8.2	2.864	3.709	8.9	21.7
12 17	5 0.15	+58 15.2	2.855	3.700	8.9	21.7
12 27	4 46.29	+57 56.1	2.872	3.691	9.6	21.8
1 6	4 34.72	+57 15.0	2.914	3.682	10.8	21.8
1 16	4 26.41	+56 18.5	2.977	3.672	12.1	21.9

277232 2005 QM_{181} 12 10.4 3°.13 3°.6/ 9.9 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 36.28	+16 27.3	1.290	2.146	17.3	20.2
11 17	5 31.35	+15 58.5	1.226	2.145	13.0	20.0
11 27	5 23.38	+15 33.4	1.184	2.145	8.1	19.7
12 7	5 13.45	+15 14.3	1.166	2.145	3.9	19.5
12 17	5 3.03	+15 3.6	1.173	2.146	5.4	19.5
12 27	4 53.76	+15 3.3	1.207	2.148	10.2	19.8
1 6	4 46.96	+15 14.2	1.263	2.150	14.8	20.1
1 16	4 43.42	+15 35.6	1.339	2.153	18.8	20.4

71623 2000 ET_{53} 12 10.4 78°.85 0°.4/10.5 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 35.96	+24 23.5	2.237	3.065	11.9	19.4
11 17	5 29.94	+24 22.5	2.177	3.083	8.8	19.2
11 27	5 22.04	+24 18.3	2.143	3.101	5.2	19.0
12 7	5 13.04	+24 10.5	2.136	3.120	1.4	18.8
12 17	5 3.88	+23 59.5	2.160	3.138	2.5	18.9
12 27	4 55.54	+23 46.7	2.214	3.156	6.2	19.2
1 6	4 48.83	+23 34.3	2.296	3.174	9.4	19.4
1 16	4 44.27	+23 24.0	2.402	3.191	12.2	19.7

113895 2002 TR_{271} 12 10.4 40°.93 7°.0/ 8.6 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 35.29	+ 9 58.5	1.467	2.309	16.3	19.2
11 17	5 29.95	+ 8 28.4	1.421	2.325	12.6	19.0
11 27	5 22.20	+ 7 7.1	1.397	2.341	9.1	18.9
12 7	5 13.09	+ 6 1.1	1.399	2.358	7.1	18.8
12 17	5 3.85	+ 5 15.2	1.427	2.376	8.1	18.9
12 27	4 55.76	+ 4 51.9	1.481	2.393	11.2	19.1
1 6	4 49.81	+ 4 50.5	1.558	2.412	14.4	19.4
1 16	4 46.53	+ 5 7.9	1.655	2.430	17.3	19.6

454755 2014 VZ_{16} 12 10.4 93°.33 0°.8/10.2 17

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 35.22	+20 33.3	2.345	3.173	11.5	21.8
11 17	5 29.30	+20 26.6	2.283	3.189	8.4	21.6
11 27	5 21.64	+20 19.4	2.246	3.205	5.0	21.4
12 7	5 12.94	+20 12.0	2.239	3.221	1.5	21.2
12 17	5 4.07	+20 4.8	2.261	3.237	2.7	21.3
12 27	4 55.95	+19 59.1	2.314	3.253	6.1	21.6
1 6	4 49.32	+19 56.0	2.394	3.268	9.2	21.8
1 16	4 44.70	+19 56.6	2.499	3.283	11.9	22.0

53082 1998 XV_{86} 12 10.4 319°.35 4°.3/10.2 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 35.86	+11 13.5	1.643	2.480	15.1	18.9
11 17	5 30.67	+11 19.9	1.562	2.468	11.6	18.6
11 27	5 22.89	+11 36.5	1.504	2.457	7.7	18.4
12 7	5 13.35	+12 4.7	1.472	2.445	4.6	18.2
12 17	5 3.17	+12 44.5	1.467	2.435	5.5	18.2
12 27	4 53.71	+13 34.7	1.490	2.424	9.3	18.4
1 6	4 46.16	+14 33.3	1.538	2.415	13.3	18.6
1 16	4 41.34	+15 38.0	1.608	2.405	16.9	18.8

272093 2005 GK_{33} 12 10.4 315°.49 6°.7/ 8.9 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 31.90	+ 4 40.8	2.112	2.929	13.0	20.6
11 17	5 27.14	+ 3 55.2	2.034	2.918	10.4	20.4
11 27	5 20.52	+ 3 20.0	1.980	2.908	8.1	20.3
12 7	5 12.70	+ 2 58.9	1.952	2.898	6.7	20.2
12 17	5 4.51	+ 2 54.5	1.952	2.888	7.4	20.2
12 27	4 56.90	+ 3 7.8	1.979	2.878	9.6	20.3
1 6	4 50.71	+ 3 37.7	2.030	2.869	12.2	20.5
1 16	4 46.53	+ 4 21.7	2.104	2.859	14.8	20.6

331249 2011 CX_{1} 12 10.4 342°.43 2°.9/11.2 17

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 36.52	+32 30.2	2.190	3.008	12.5	20.5
11 17	5 30.68	+32 30.4	2.112	3.007	9.5	20.3
11 27	5 22.64	+32 20.9	2.057	3.006	6.2	20.1
12 7	5 13.24	+32 0.4	2.031	3.005	3.3	20.0
12 17	5 3.52	+31 28.9	2.034	3.005	3.7	20.0
12 27	4 54.63	+30 48.8	2.066	3.004	6.8	20.2
1 6	4 47.53	+30 4.0	2.125	3.003	10.0	20.4
1 16	4 42.83	+29 19.0	2.209	3.003	12.9	20.6

187841 1999 VF_{208} 12 10.4 53°.29 0°.9/10.2 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 36.15	+20 50.2	1.834	2.672	13.7	20.4
11 17	5 30.35	+20 44.3	1.781	2.692	10.0	20.3
11 27	5 22.38	+20 37.8	1.751	2.712	5.9	20.1
12 7	5 13.15	+20 31.0	1.749	2.732	1.7	19.8
12 17	5 3.76	+20 24.4	1.776	2.752	3.1	20.0
12 27	4 55.35	+20 19.6	1.831	2.773	7.2	20.3
1 6	4 48.84	+20 17.9	1.913	2.794	10.8	20.5
1 16	4 44.78	+20 20.5	2.017	2.814	13.9	20.8

24850 1995 *XA* 12 10.4 122°.01 0°.9/10.2 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
11 7	5 40.87	+22 25.3	1.644	2.480	15.1	19.2
11 17	5 34.09	+21 56.6	1.582	2.492	11.2	19.0
11 27	5 24.70	+21 24.3	1.543	2.503	6.6	18.7
12 7	5 13.77	+20 49.4	1.531	2.514	1.8	18.5
12 17	5 2.60	+20 13.9	1.548	2.525	3.5	18.6
12 27	4 52.60	+19 41.2	1.594	2.535	8.2	18.9
1 6	4 44.85	+19 14.3	1.665	2.544	12.3	19.2
1 16	4 39.98	+18 55.6	1.759	2.554	15.7	19.4

29473 Krejčí 12 10.4 86°.61 0°.4/10.5 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 37.66	+24 12.6	1.887	2.720	13.6	19.6
11 17	5 31.58	+24 15.9	1.822	2.730	10.0	19.4
11 27	5 23.19	+24 15.8	1.781	2.740	6.0	19.2
12 7	5 13.39	+24 11.6	1.767	2.750	1.6	18.9
12 17	5 3.29	+24 3.5	1.783	2.760	2.9	19.1
12 27	4 54.14	+23 53.1	1.827	2.770	7.1	19.3
1 6	4 46.91	+23 42.6	1.899	2.780	10.9	19.6
1 16	4 42.23	+23 34.5	1.993	2.790	14.1	19.8

232642 2003 UQ_{304} 12 10.4 274°.92 0°.4/10.5 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 35.17	+25 47.0	2.347	3.173	11.5	20.3
11 17	5 29.57	+25 24.9	2.251	3.156	8.6	20.0
11 27	5 21.98	+24 57.4	2.181	3.139	5.1	19.8
12 7	5 13.10	+24 24.3	2.139	3.122	1.4	19.5
12 17	5 3.81	+23 47.0	2.128	3.105	2.6	19.6
12 27	4 55.14	+23 7.6	2.146	3.088	6.3	19.8
1 6	4 47.97	+22 29.4	2.193	3.070	9.8	20.0
1 16	4 42.92	+21 55.2	2.264	3.053	12.8	20.2

485376 2011 EJ_{80} 12 10.4 254°.11 6°.2/ 8.3 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 32.20	+ 4 15.9	2.532	3.338	11.4	21.5
11 17	5 27.10	+ 3 15.9	2.450	3.326	9.2	21.4
11 27	5 20.40	+ 2 24.1	2.394	3.314	7.2	21.2
12 7	5 12.69	+ 1 44.1	2.365	3.302	6.2	21.1
12 17	5 4.68	+ 1 18.8	2.364	3.290	6.9	21.2
12 27	4 57.15	+ 1 9.7	2.392	3.277	8.8	21.3
1 6	4 50.82	+ 1 16.7	2.445	3.265	11.0	21.4
1 16	4 46.20	+ 1 38.0	2.521	3.252	13.2	21.5

168514 1999 TX_{134} 12 10.4 82°.45 4°.0/ 9.6 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 38.02	+14 31.7	1.695	2.531	14.8	20.9
11 17	5 31.74	+13 45.9	1.643	2.550	11.1	20.7
11 27	5 23.21	+13 4.3	1.615	2.569	7.1	20.5
12 7	5 13.39	+12 29.9	1.614	2.588	4.2	20.4
12 17	5 3.44	+12 5.2	1.641	2.606	5.3	20.5
12 27	4 54.58	+11 52.2	1.696	2.625	8.8	20.7
1 6	4 47.73	+11 51.3	1.777	2.643	12.3	21.0
1 16	4 43.44	+12 1.6	1.879	2.661	15.3	21.2

268663 2006 EE_{36} 12 10.4 314°.63 5°.0/11.1 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 37.48	+35 20.7	1.935	2.752	13.9	20.8
11 17	5 32.03	+36 1.6	1.847	2.737	11.0	20.6
11 27	5 23.81	+36 32.4	1.781	2.721	7.8	20.4
12 7	5 13.64	+36 48.8	1.742	2.706	5.3	20.2
12 17	5 2.78	+36 48.1	1.731	2.692	5.6	20.2
12 27	4 52.68	+36 31.1	1.747	2.677	8.5	20.3
1 6	4 44.64	+36 1.7	1.789	2.663	11.8	20.5
1 16	4 39.53	+35 25.6	1.854	2.650	15.0	20.7

453010 2007 LE_{12} 12 10.4 86°.27 2°.5/10.5 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 41.41	+27 43.6	2.358	3.171	11.9	20.6
11 17	5 34.12	+28 52.5	2.295	3.190	8.9	20.4
11 27	5 24.66	+29 57.6	2.258	3.209	5.6	20.3
12 7	5 13.80	+30 55.3	2.252	3.228	2.8	20.1
12 17	5 2.56	+31 42.5	2.276	3.246	3.5	20.2
12 27	4 52.06	+32 18.7	2.332	3.265	6.5	20.4
1 6	4 43.25	+32 45.1	2.417	3.283	9.5	20.6
1 16	4 36.79	+33 4.5	2.527	3.301	12.1	20.8

322938 2002 GV_{8} 12 10.4 285°.80 5°.8/10.7 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 41.20	+36 57.5	2.162	2.963	13.2	21.2
11 17	5 34.83	+38 5.2	2.060	2.938	10.6	21.0
11 27	5 25.58	+39 4.7	1.983	2.913	7.9	20.8
12 7	5 14.15	+39 50.1	1.934	2.888	6.0	20.6
12 17	5 1.72	+40 17.1	1.913	2.862	6.3	20.6
12 27	4 49.80	+40 24.5	1.920	2.837	8.8	20.7
1 6	4 39.77	+40 15.5	1.954	2.811	11.8	20.8
1 16	4 32.67	+39 55.2	2.011	2.785	14.7	21.0

37502 2257 T_{-2} 12 10.4 319°.08 2°.3/10.7 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 37.71	+27 18.4	1.430	2.276	16.4	17.9
11 17	5 32.68	+27 40.2	1.350	2.264	12.4	17.7
11 27	5 24.40	+27 56.5	1.292	2.251	7.7	17.4
12 7	5 13.83	+28 4.1	1.258	2.240	3.0	17.1
12 17	5 2.46	+28 1.4	1.252	2.228	4.2	17.1
12 27	4 52.08	+27 49.8	1.271	2.217	9.2	17.4
1 6	4 44.19	+27 33.4	1.315	2.207	14.0	17.6
1 16	4 39.76	+27 16.6	1.380	2.198	18.1	17.8

340895 2007 CH_{63} 12 10.4 231°.86 5°.6/11.5 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
11 7	5 43.98	+37 25.1	1.884	2.688	14.8	21.2
11 17	5 36.93	+37 59.2	1.797	2.677	11.8	21.0
11 27	5 26.74	+38 20.2	1.732	2.666	8.5	20.8
12 7	5 14.41	+38 22.8	1.695	2.655	6.0	20.6
12 17	5 1.37	+38 4.3	1.685	2.642	6.2	20.6
12 27	4 49.32	+37 26.6	1.703	2.630	9.0	20.8
1 6	4 39.66	+36 35.3	1.748	2.616	12.4	20.9
1 16	4 33.30	+35 38.0	1.816	2.602	15.6	21.1

358696 2008 AQ_{30} 12 10.4 226°.77 4°.7/11.6 17

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 40.55	+37 2.0	2.177	2.979	13.1	21.2
11 17	5 33.89	+37 19.4	2.092	2.972	10.4	21.0
11 27	5 24.69	+37 24.5	2.030	2.965	7.4	20.8
12 7	5 13.85	+37 14.0	1.995	2.957	5.0	20.7
12 17	5 2.55	+36 46.6	1.990	2.950	5.1	20.7
12 27	4 52.13	+36 4.4	2.013	2.941	7.7	20.8
1 6	4 43.70	+35 12.4	2.064	2.933	10.7	21.0
1 16	4 38.01	+34 16.2	2.139	2.924	13.6	21.2

334187 2001 SH_{178} 12 10.4 43°.03 5°.0/ 9.9 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 38.11	+13 30.0	1.164	2.020	18.7	19.8
11 17	5 32.51	+12 57.2	1.125	2.042	14.0	19.6
11 27	5 23.91	+12 33.1	1.107	2.065	9.1	19.4
12 7	5 13.61	+12 20.8	1.113	2.088	5.2	19.3
12 17	5 3.21	+12 22.0	1.144	2.112	6.4	19.4
12 27	4 54.34	+12 37.0	1.200	2.137	10.7	19.7
1 6	4 48.15	+13 4.6	1.279	2.162	14.9	20.0
1 16	4 45.21	+13 42.2	1.377	2.188	18.5	20.3

231734 1999 KQ_{2} 12 10.4 260°.38 0°.9/10.2 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 38.30	+21 16.7	1.752	2.589	14.3	21.5
11 17	5 32.47	+21 7.1	1.665	2.575	10.7	21.2
11 27	5 23.98	+20 56.0	1.601	2.562	6.4	21.0
12 7	5 13.70	+20 43.5	1.565	2.548	1.8	20.6
12 17	5 2.81	+20 30.3	1.557	2.533	3.4	20.7
12 27	4 52.68	+20 18.2	1.577	2.519	8.1	21.0
1 6	4 44.53	+20 9.5	1.624	2.504	12.5	21.2
1 16	4 39.17	+20 6.4	1.693	2.490	16.2	21.4

157929 1999 VF_{139} 12 10.4 200°.71 0°.6/10.3 17

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 35.21	+20 59.9	2.268	3.098	11.7	20.9
11 17	5 29.56	+21 3.1	2.190	3.097	8.7	20.7
11 27	5 21.97	+21 5.8	2.136	3.096	5.1	20.5
12 7	5 13.14	+21 8.0	2.111	3.095	1.4	20.3
12 17	5 3.97	+21 9.6	2.117	3.093	2.7	20.4
12 27	4 55.44	+21 11.5	2.152	3.092	6.4	20.6
1 6	4 48.42	+21 14.9	2.214	3.091	9.8	20.8
1 16	4 43.50	+21 20.8	2.301	3.089	12.7	21.0

26054 4231 T_{-2} 12 10.4 69°.19 4°.3/10.9 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 43.37	+30 55.2	1.389	2.225	17.4	18.0
11 17	5 36.70	+31 43.3	1.335	2.240	13.2	17.7
11 27	5 26.61	+32 21.8	1.302	2.255	8.6	17.5
12 7	5 14.37	+32 45.3	1.295	2.270	4.8	17.3
12 17	5 1.69	+32 51.2	1.314	2.285	5.4	17.4
12 27	4 50.49	+32 41.4	1.360	2.300	9.4	17.7
1 6	4 42.20	+32 21.5	1.431	2.315	13.6	18.0
1 16	4 37.57	+31 57.6	1.523	2.330	17.1	18.3

330265 2006 SJ_{57} 12 10.4 48°.06 3°.4/ 9.8 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 38.77	+18 5.7	1.183	2.041	18.4	20.2
11 17	5 33.15	+17 17.1	1.135	2.055	13.6	19.9
11 27	5 24.38	+16 30.0	1.107	2.069	8.4	19.7
12 7	5 13.76	+15 47.7	1.103	2.083	3.8	19.5
12 17	5 2.92	+15 13.9	1.125	2.098	5.5	19.6
12 27	4 53.59	+14 52.2	1.173	2.114	10.4	19.9
1 6	4 47.00	+14 44.0	1.243	2.130	15.0	20.2
1 16	4 43.79	+14 49.0	1.333	2.146	18.9	20.5

284523 2007 RM_{113} 12 10.4 49°.96 9°.9/10.0 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 37.23	+ 0 25.0	1.419	2.238	18.0	20.0
11 17	5 31.31	− 0 27.3	1.386	2.265	14.7	19.9
11 27	5 22.99	− 0 58.3	1.374	2.292	11.7	19.8
12 7	5 13.36	− 1 3.2	1.386	2.320	10.0	19.8
12 17	5 3.70	− 0 40.7	1.422	2.348	10.4	19.9
12 27	4 55.31	+ 0 7.1	1.482	2.377	12.5	20.1
1 6	4 49.12	+ 1 15.0	1.566	2.405	15.2	20.3
1 16	4 45.66	+ 2 36.7	1.670	2.434	17.7	20.6

230981 2005 AA_{62} 12 10.4 33°.42 9°.0/13.9 17

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 44.23	+50 25.8	2.094	2.846	15.2	19.7
11 17	5 37.01	+50 55.5	2.028	2.852	13.0	19.6
11 27	5 26.63	+51 3.2	1.982	2.858	10.9	19.4
12 7	5 14.34	+50 43.4	1.960	2.865	9.4	19.4
12 17	5 1.80	+49 54.6	1.963	2.872	9.1	19.4
12 27	4 50.75	+48 39.9	1.993	2.879	10.2	19.4
1 6	4 42.48	+47 7.2	2.048	2.887	12.1	19.6
1 16	4 37.64	+45 25.3	2.127	2.895	14.2	19.8

116706 2004 CR_{102} 12 10.4 250°.01 2°.4/11.1 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
11 7	5 38.98	+31 14.9	2.089	2.908	13.0	20.2
11 17	5 32.69	+31 6.2	1.998	2.896	9.9	20.0
11 27	5 23.98	+30 47.7	1.932	2.883	6.3	19.7
12 7	5 13.70	+30 17.9	1.893	2.871	3.0	19.5
12 17	5 2.96	+29 37.0	1.884	2.858	3.5	19.5
12 27	4 53.03	+28 48.0	1.905	2.845	7.1	19.7
1 6	4 44.98	+27 55.4	1.953	2.831	10.8	19.9
1 16	4 39.52	+27 3.9	2.025	2.817	14.0	20.1

322775 2001 HA_{8} 12 10.4 83°.90 1°.8/10.2 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 47.62	+16 56.8	1.903	2.716	14.3	21.6
11 17	5 38.29	+17 6.5	1.868	2.766	10.5	21.4
11 27	5 26.84	+17 18.4	1.859	2.813	6.3	21.3
12 7	5 14.33	+17 31.9	1.879	2.860	2.3	21.1
12 17	5 1.96	+17 46.7	1.931	2.904	3.5	21.3
12 27	4 50.92	+18 3.0	2.014	2.948	7.3	21.6
1 6	4 42.07	+18 21.4	2.126	2.990	10.7	21.9
1 16	4 35.87	+18 42.6	2.261	3.030	13.5	22.2

20133 1996 CO_{2} 12 10.4 145°.97 3°.8/ 9.8 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 34.36	+11 4.1	2.328	3.149	11.8	18.0
11 17	5 28.76	+10 51.0	2.257	3.153	9.0	17.9
11 27	5 21.43	+10 44.3	2.210	3.157	6.0	17.7
12 7	5 13.01	+10 45.2	2.191	3.160	3.9	17.6
12 17	5 4.32	+10 54.8	2.202	3.163	4.6	17.6
12 27	4 56.25	+11 13.1	2.243	3.166	7.3	17.8
1 6	4 49.57	+11 39.7	2.310	3.169	10.2	18.0
1 16	4 44.81	+12 13.5	2.402	3.172	12.7	18.2

474137 1995 TZ_{8} 12 10.4 101°.42 2°.6/10.0 16

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 41.19	+17 25.1	1.550	2.388	15.8	22.5
11 17	5 34.35	+17 3.8	1.496	2.406	11.7	22.3
11 27	5 24.89	+16 44.8	1.465	2.424	7.1	22.1
12 7	5 13.90	+16 29.4	1.461	2.441	3.0	21.9
12 17	5 2.72	+16 19.1	1.485	2.458	4.4	22.0
12 27	4 52.75	+16 15.4	1.537	2.475	8.7	22.3
1 6	4 45.09	+16 19.4	1.615	2.491	12.8	22.6
1 16	4 40.35	+16 31.3	1.714	2.506	16.2	22.8

397980 2009 BH_{53} 12 10.4 340°.67 3°.0/10.1 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 34.77	+15 58.4	1.364	2.219	16.6	20.8
11 17	5 30.32	+15 54.5	1.291	2.209	12.5	20.5
11 27	5 22.91	+15 56.2	1.239	2.200	7.8	20.2
12 7	5 13.48	+16 4.9	1.212	2.192	3.5	20.0
12 17	5 3.38	+16 21.0	1.210	2.185	4.9	20.0
12 27	4 54.21	+16 44.9	1.235	2.178	9.7	20.3
1 6	4 47.34	+17 16.2	1.283	2.173	14.4	20.5
1 16	4 43.62	+17 54.2	1.351	2.168	18.4	20.8

262246 2006 SJ_{299} 12 10.4 340°.89 4°.2/10.8 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 39.24	+29 59.0	1.198	2.051	18.6	19.8
11 17	5 34.37	+30 39.9	1.129	2.044	14.2	19.5
11 27	5 25.65	+31 12.4	1.080	2.038	9.2	19.2
12 7	5 14.23	+31 31.0	1.055	2.032	4.8	19.0
12 17	5 1.94	+31 32.4	1.054	2.028	5.6	19.0
12 27	4 50.94	+31 18.2	1.078	2.024	10.5	19.3
1 6	4 43.04	+30 54.0	1.125	2.021	15.5	19.5
1 16	4 39.20	+30 26.8	1.191	2.018	19.8	19.8

123894 2001 DR_{53} 12 10.4 295°.42 4°.1/ 9.4 17

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 33.30	+12 35.6	2.108	2.938	12.5	19.6
11 17	5 28.24	+11 55.0	2.027	2.929	9.5	19.4
11 27	5 21.23	+11 18.7	1.971	2.921	6.4	19.2
12 7	5 12.99	+10 49.2	1.942	2.912	4.2	19.0
12 17	5 4.38	+10 29.0	1.943	2.904	5.1	19.1
12 27	4 56.41	+10 19.7	1.971	2.895	8.1	19.2
1 6	4 49.91	+10 22.1	2.026	2.887	11.3	19.4
1 16	4 45.51	+10 35.4	2.104	2.879	14.1	19.6

264861 2002 RK_{126} 12 10.4 65°.56 1°.2/10.5 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 42.73	+24 25.6	1.300	2.146	17.8	20.5
11 17	5 36.05	+24 52.6	1.252	2.167	13.1	20.2
11 27	5 26.13	+25 16.0	1.226	2.187	7.8	20.0
12 7	5 14.25	+25 32.9	1.225	2.208	2.4	19.7
12 17	5 2.12	+25 42.0	1.252	2.229	3.8	19.9
12 27	4 51.52	+25 44.7	1.305	2.250	9.0	20.2
1 6	4 43.77	+25 44.4	1.382	2.271	13.6	20.6
1 16	4 39.54	+25 44.5	1.480	2.292	17.3	20.9

440082 2002 TL_{99} 12 10.4 86°.05 1°.5/10.8 15

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 40.73	+28 22.0	1.863	2.689	14.1	21.5
11 17	5 33.73	+28 10.0	1.809	2.712	10.4	21.3
11 27	5 24.41	+27 50.2	1.779	2.735	6.3	21.1
12 7	5 13.77	+27 22.0	1.776	2.758	2.3	20.9
12 17	5 3.06	+26 46.5	1.803	2.780	3.1	21.0
12 27	4 53.52	+26 7.2	1.860	2.802	7.1	21.3
1 6	4 46.11	+25 27.9	1.943	2.823	10.7	21.6
1 16	4 41.38	+24 52.4	2.051	2.845	13.8	21.8

8488 d′Argens 12 10.4 138°.35 0°.1/10.4 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
11 7	5 41.69	+22 6.3	1.548	2.386	15.8	18.2
11 17	5 35.07	+22 19.1	1.482	2.393	11.7	18.0
11 27	5 25.54	+22 31.0	1.438	2.399	7.0	17.7
12 7	5 14.14	+22 40.3	1.421	2.404	1.8	17.4
12 17	5 2.27	+22 46.5	1.432	2.410	3.5	17.5
12 27	4 51.51	+22 50.5	1.471	2.415	8.4	17.8
1 6	4 43.14	+22 54.5	1.536	2.420	12.9	18.1
1 16	4 37.90	+23 0.8	1.623	2.424	16.6	18.4

82154 2001 FS_{170} 12 10.4 73°.75 5°.1/ 9.5 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 40.68	+13 25.6	1.385	2.227	17.1	18.6
11 17	5 33.98	+12 28.0	1.344	2.252	12.9	18.4
11 27	5 24.63	+11 37.1	1.324	2.277	8.5	18.2
12 7	5 13.83	+10 56.8	1.330	2.302	5.3	18.1
12 17	5 3.01	+10 30.6	1.364	2.327	6.5	18.2
12 27	4 53.58	+10 20.2	1.423	2.351	10.2	18.5
1 6	4 46.60	+10 25.4	1.507	2.376	14.0	18.8
1 16	4 42.61	+10 44.1	1.612	2.399	17.2	19.0

444801 2007 TZ_{277} 12 10.4 63°.63 0°.1/10.4 15

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 38.48	+23 36.2	1.609	2.450	15.2	22.2
11 17	5 32.45	+23 27.1	1.551	2.464	11.2	22.0
11 27	5 23.84	+23 14.5	1.516	2.477	6.6	21.8
12 7	5 13.66	+22 58.2	1.507	2.491	1.7	21.5
12 17	5 3.24	+22 39.2	1.527	2.505	3.2	21.6
12 27	4 53.97	+22 19.8	1.574	2.519	7.9	22.0
1 6	4 46.92	+22 3.0	1.648	2.533	12.0	22.2
1 16	4 42.73	+21 51.1	1.743	2.547	15.5	22.5

398201 2010 MQ_{96} 12 10.4 115°.63 5°.1/11.5 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 43.96	+38 46.5	2.492	3.276	12.2	22.0
11 17	5 36.01	+39 32.1	2.433	3.299	9.7	21.9
11 27	5 25.78	+40 5.7	2.399	3.321	7.1	21.7
12 7	5 14.16	+40 23.5	2.393	3.343	5.3	21.7
12 17	5 2.27	+40 23.9	2.417	3.364	5.4	21.7
12 27	4 51.34	+40 8.4	2.471	3.384	7.2	21.8
1 6	4 42.36	+39 40.8	2.552	3.403	9.6	22.0
1 16	4 35.93	+39 6.4	2.658	3.422	11.8	22.2

489270 2006 SS_{52} 12 10.4 41°.12 4°.7/ 9.4 17

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 35.78	+14 23.1	1.475	2.322	16.0	21.0
11 17	5 30.39	+13 20.8	1.427	2.339	12.0	20.8
11 27	5 22.55	+12 23.4	1.402	2.357	7.8	20.7
12 7	5 13.32	+11 35.1	1.403	2.376	4.9	20.5
12 17	5 3.96	+10 59.6	1.431	2.395	6.1	20.6
12 27	4 55.78	+10 39.4	1.485	2.415	9.7	20.9
1 6	4 49.76	+10 34.7	1.563	2.435	13.4	21.2
1 16	4 46.46	+10 44.3	1.662	2.455	16.6	21.4

149619 2004 EY_{21} 12 10.4 162°.67 2°.1/10.1 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 39.99	+17 39.2	1.773	2.605	14.4	20.7
11 17	5 33.44	+17 29.9	1.702	2.609	10.7	20.5
11 27	5 24.42	+17 22.6	1.655	2.613	6.5	20.3
12 7	5 13.84	+17 17.9	1.636	2.617	2.6	20.0
12 17	5 2.87	+17 16.7	1.646	2.620	3.9	20.1
12 27	4 52.83	+17 19.9	1.685	2.623	8.1	20.4
1 6	4 44.77	+17 28.6	1.750	2.625	12.0	20.6
1 16	4 39.41	+17 43.2	1.838	2.626	15.4	20.9

449386 2013 GE_{106} 12 10.4 343°.27 0°.3/10.5 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 36.67	+23 59.6	1.851	2.688	13.7	21.0
11 17	5 31.06	+24 0.5	1.776	2.686	10.1	20.7
11 27	5 23.05	+23 58.4	1.725	2.685	6.1	20.5
12 7	5 13.50	+23 52.3	1.701	2.684	1.6	20.2
12 17	5 3.52	+23 42.7	1.706	2.684	3.0	20.3
12 27	4 54.40	+23 30.9	1.739	2.683	7.3	20.6
1 6	4 47.17	+23 19.6	1.799	2.682	11.3	20.8
1 16	4 42.54	+23 11.0	1.882	2.682	14.6	21.0

16256 2000 JM_{2} 12 10.4 215°.70 16°.1/ 5.4 18 R

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 39.96	− 6 52.1	1.310	2.105	20.5	18.1
11 17	5 34.00	− 9 26.5	1.258	2.101	18.3	18.0
11 27	5 25.01	−11 36.5	1.224	2.096	16.6	17.8
12 7	5 14.03	−13 9.2	1.213	2.091	16.1	17.8
12 17	5 2.51	−13 55.5	1.222	2.085	17.0	17.8
12 27	4 52.08	−13 53.4	1.252	2.079	19.0	17.9
1 6	4 44.08	−13 7.8	1.299	2.072	21.3	18.1
1 16	4 39.30	−11 47.8	1.361	2.065	23.7	18.3

149675 2004 GS_{12} 12 10.4 225°.78 4°.0/ 9.9 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 38.52	+13 31.4	1.611	2.448	15.4	20.4
11 17	5 32.61	+13 14.8	1.537	2.444	11.7	20.2
11 27	5 24.07	+13 4.6	1.486	2.440	7.6	19.9
12 7	5 13.78	+13 2.5	1.461	2.436	4.2	19.7
12 17	5 2.98	+13 9.9	1.464	2.432	5.3	19.8
12 27	4 53.05	+13 27.3	1.495	2.428	9.3	20.0
1 6	4 45.19	+13 54.5	1.550	2.423	13.4	20.3
1 16	4 40.15	+14 30.3	1.627	2.419	16.9	20.5

195881 2002 RN_{12} 12 10.4 93°.80 2°.4/11.1 17

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
11 7	5 36.83	+31 2.9	2.455	3.270	11.4	20.2
11 17	5 30.63	+31 13.9	2.391	3.285	8.6	20.1
11 27	5 22.54	+31 17.6	2.351	3.300	5.5	19.9
12 7	5 13.33	+31 12.5	2.340	3.315	2.8	19.7
12 17	5 3.93	+30 58.6	2.359	3.330	3.2	19.8
12 27	4 55.31	+30 37.3	2.408	3.345	6.0	20.0
1 6	4 48.30	+30 11.6	2.485	3.359	8.9	20.2
1 16	4 43.42	+29 44.6	2.587	3.374	11.5	20.4

514576 1999 VZ_{131} 12 10.4 30°.61 1°.2/10.5 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 38.44	+24 31.6	0.975	1.846	20.3	21.0
11 17	5 33.61	+24 51.2	0.935	1.861	15.0	20.7
11 27	5 24.96	+25 6.4	0.913	1.878	9.0	20.5
12 7	5 14.01	+25 14.8	0.914	1.897	2.6	20.2
12 17	5 2.76	+25 15.5	0.938	1.917	4.4	20.4
12 27	4 53.35	+25 10.9	0.986	1.937	10.3	20.8
1 6	4 47.24	+25 5.3	1.055	1.959	15.5	21.1
1 16	4 45.09	+25 2.0	1.144	1.982	19.7	21.5

256140 2006 VL_{19} 12 10.4 32°.91 0°.6/10.5 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 36.72	+25 16.3	1.679	2.520	14.7	20.5
11 17	5 31.21	+25 8.3	1.613	2.526	10.8	20.2
11 27	5 23.15	+24 55.2	1.571	2.532	6.5	20.0
12 7	5 13.52	+24 36.6	1.555	2.539	1.8	19.7
12 17	5 3.57	+24 13.5	1.568	2.546	3.2	19.8
12 27	4 54.65	+23 48.4	1.608	2.553	7.7	20.1
1 6	4 47.84	+23 24.5	1.674	2.561	11.8	20.4
1 16	4 43.80	+23 4.9	1.762	2.569	15.2	20.6

145074 2005 GO_{33} 12 10.4 109°.28 5°.2/11.5 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 47.75	+36 3.3	1.703	2.510	16.0	20.1
11 17	5 39.43	+36 36.8	1.649	2.533	12.4	19.9
11 27	5 28.01	+36 55.8	1.617	2.555	8.6	19.8
12 7	5 14.76	+36 55.8	1.613	2.577	5.7	19.6
12 17	5 1.30	+36 35.3	1.636	2.598	5.8	19.7
12 27	4 49.36	+35 57.7	1.688	2.618	8.8	19.9
1 6	4 40.18	+35 9.9	1.767	2.637	12.2	20.2
1 16	4 34.41	+34 18.9	1.868	2.656	15.2	20.4

413248 2003 SX_{299} 12 10.4 62°.07 2°.7/10.9 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 38.15	+30 8.4	2.051	2.874	13.1	20.8
11 17	5 31.89	+30 36.1	1.994	2.893	9.8	20.6
11 27	5 23.40	+30 56.6	1.962	2.913	6.3	20.5
12 7	5 13.57	+31 7.5	1.957	2.934	3.2	20.3
12 17	5 3.51	+31 8.0	1.982	2.954	3.7	20.4
12 27	4 54.41	+30 59.5	2.036	2.974	6.9	20.6
1 6	4 47.21	+30 44.9	2.116	2.994	10.1	20.9
1 16	4 42.52	+30 27.9	2.221	3.014	12.9	21.1

275819 2001 RN_{38} 12 10.4 86°.97 2°.1/10.8 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 41.14	+28 10.6	1.527	2.363	16.1	20.7
11 17	5 34.75	+28 20.7	1.464	2.372	12.0	20.4
11 27	5 25.36	+28 23.1	1.424	2.381	7.4	20.2
12 7	5 14.11	+28 15.5	1.410	2.390	2.9	19.9
12 17	5 2.48	+27 57.6	1.423	2.399	3.9	20.0
12 27	4 52.11	+27 32.2	1.464	2.408	8.4	20.3
1 6	4 44.25	+27 3.9	1.531	2.417	12.7	20.6
1 16	4 39.63	+26 37.3	1.619	2.426	16.3	20.8

477299 2009 SA_{204} 12 10.4 101°.79 1°.4/10.7 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 43.99	+26 34.9	1.643	2.472	15.5	21.7
11 17	5 36.43	+26 41.1	1.590	2.495	11.5	21.5
11 27	5 26.14	+26 41.1	1.560	2.518	6.9	21.3
12 7	5 14.27	+26 33.0	1.558	2.540	2.3	21.0
12 17	5 2.25	+26 17.1	1.584	2.561	3.4	21.2
12 27	4 51.57	+25 56.1	1.640	2.582	7.9	21.5
1 6	4 43.32	+25 33.7	1.722	2.602	11.9	21.8
1 16	4 38.13	+25 13.7	1.826	2.622	15.2	22.0

254811 2005 QU_{116} 12 10.4 114°.15 0°.9/10.6 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 37.53	+25 39.9	2.059	2.887	12.8	21.4
11 17	5 31.43	+25 43.0	1.989	2.895	9.5	21.2
11 27	5 23.15	+25 41.7	1.944	2.902	5.7	21.0
12 7	5 13.52	+25 35.1	1.927	2.909	1.7	20.8
12 17	5 3.60	+25 23.4	1.939	2.916	2.8	20.9
12 27	4 54.52	+25 8.3	1.981	2.923	6.7	21.1
1 6	4 47.23	+24 52.1	2.050	2.930	10.3	21.4
1 16	4 42.35	+24 37.7	2.143	2.936	13.3	21.6

328857 2009 WU_{159} 12 10.4 141°.63 0°.5/10.6 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 35.70	+25 57.4	2.500	3.322	11.0	21.4
11 17	5 29.73	+25 41.4	2.426	3.329	8.1	21.2
11 27	5 21.99	+25 20.8	2.377	3.335	4.9	21.0
12 7	5 13.21	+24 55.4	2.358	3.341	1.4	20.8
12 17	5 4.21	+24 26.2	2.369	3.346	2.4	20.9
12 27	4 55.92	+23 55.3	2.411	3.351	5.8	21.1
1 6	4 49.10	+23 25.0	2.481	3.356	8.9	21.3
1 16	4 44.26	+22 57.9	2.576	3.361	11.6	21.5

511843 2015 FC_{326} 12 10.4 244°.37 0°.4/10.5 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
11 7	5 41.25	+22 22.2	1.484	2.325	16.2	21.6
11 17	5 35.10	+22 50.8	1.408	2.320	12.1	21.3
11 27	5 25.79	+23 19.6	1.354	2.315	7.3	21.0
12 7	5 14.29	+23 46.1	1.326	2.310	1.9	20.7
12 17	5 2.05	+24 8.3	1.326	2.304	3.6	20.8
12 27	4 50.79	+24 26.1	1.354	2.299	8.9	21.1
1 6	4 41.95	+24 41.2	1.407	2.293	13.6	21.3
1 16	4 36.45	+24 56.2	1.481	2.287	17.6	21.6

138995 2001 DR_{22} 12 10.4 308°.87 3°.6/10.9 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 40.85	+30 37.5	1.355	2.197	17.4	20.2
11 17	5 35.19	+30 57.1	1.281	2.191	13.3	19.9
11 27	5 25.98	+31 6.5	1.229	2.185	8.6	19.6
12 7	5 14.35	+31 1.6	1.201	2.179	4.3	19.4
12 17	5 1.99	+30 40.9	1.200	2.174	5.0	19.4
12 27	4 50.87	+30 7.2	1.224	2.168	9.7	19.7
1 6	4 42.59	+29 26.7	1.273	2.163	14.4	19.9
1 16	4 38.07	+28 46.3	1.341	2.159	18.5	20.2

235106 2003 ON_{5} 12 10.4 130°.44 2°.8/11.1 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 42.30	+31 44.6	2.136	2.947	13.0	21.9
11 17	5 34.86	+31 54.1	2.071	2.963	9.9	21.7
11 27	5 25.13	+31 54.4	2.031	2.979	6.4	21.5
12 7	5 14.03	+31 43.4	2.018	2.993	3.3	21.3
12 17	5 2.73	+31 21.0	2.037	3.008	3.7	21.4
12 27	4 52.44	+30 49.5	2.085	3.021	6.9	21.6
1 6	4 44.14	+30 13.0	2.161	3.034	10.1	21.8
1 16	4 38.44	+29 35.9	2.261	3.046	13.0	22.1

241771 2001 HD_{3} 12 10.4 189°.78 1°.9/10.7 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 42.60	+27 35.7	1.951	2.771	13.7	21.8
11 17	5 35.47	+27 56.4	1.870	2.771	10.3	21.5
11 27	5 25.72	+28 11.5	1.815	2.769	6.4	21.3
12 7	5 14.25	+28 18.7	1.787	2.767	2.5	21.0
12 17	5 2.26	+28 16.7	1.789	2.764	3.4	21.1
12 27	4 51.14	+28 6.7	1.821	2.760	7.4	21.3
1 6	4 42.04	+27 51.9	1.880	2.755	11.3	21.6
1 16	4 35.74	+27 36.0	1.962	2.750	14.6	21.8

393607 2003 WX_{60} 12 10.4 44°.26 1°.4/10.6 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 38.98	+25 3.2	1.483	2.327	16.1	21.0
11 17	5 33.16	+25 30.1	1.426	2.340	11.9	20.7
11 27	5 24.44	+25 53.5	1.392	2.352	7.2	20.5
12 7	5 13.90	+26 10.8	1.383	2.366	2.3	20.2
12 17	5 3.00	+26 20.7	1.402	2.379	3.6	20.4
12 27	4 53.29	+26 24.4	1.448	2.393	8.3	20.7
1 6	4 46.01	+26 24.5	1.519	2.408	12.6	21.0
1 16	4 41.88	+26 24.2	1.612	2.423	16.2	21.2

296511 2009 KF_{19} 12 10.4 147°.05 0°.3/10.4 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 37.17	+21 49.4	2.087	2.917	12.6	21.0
11 17	5 31.15	+21 53.0	2.014	2.921	9.3	20.8
11 27	5 23.00	+21 55.5	1.966	2.925	5.5	20.5
12 7	5 13.52	+21 56.4	1.945	2.929	1.5	20.3
12 17	5 3.69	+21 55.9	1.955	2.932	2.8	20.4
12 27	4 54.63	+21 54.8	1.994	2.935	6.8	20.6
1 6	4 47.27	+21 54.7	2.061	2.938	10.3	20.9
1 16	4 42.22	+21 57.3	2.151	2.941	13.4	21.1

207219 2005 ED_{93} 12 10.4 121°.90 4°.9/10.9 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 43.44	+34 21.2	1.968	2.777	14.1	19.7
11 17	5 36.24	+35 24.1	1.901	2.787	10.9	19.5
11 27	5 26.24	+36 17.5	1.858	2.797	7.7	19.3
12 7	5 14.39	+36 56.2	1.843	2.807	5.2	19.2
12 17	5 2.01	+37 17.0	1.857	2.816	5.5	19.2
12 27	4 50.61	+37 20.5	1.900	2.825	8.3	19.4
1 6	4 41.41	+37 10.5	1.969	2.834	11.4	19.6
1 16	4 35.22	+36 52.4	2.061	2.842	14.2	19.8

21317 1996 XV_{18} 12 10.4 358°.63 1°.6/10.1 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 37.04	+20 18.8	1.601	2.445	15.1	19.4
11 17	5 31.55	+19 53.9	1.531	2.445	11.2	19.2
11 27	5 23.43	+19 27.8	1.483	2.444	6.7	18.9
12 7	5 13.65	+19 1.7	1.462	2.444	2.3	18.6
12 17	5 3.46	+18 37.5	1.468	2.444	3.8	18.7
12 27	4 54.24	+18 17.8	1.502	2.444	8.5	19.0
1 6	4 47.14	+18 4.8	1.562	2.445	12.7	19.3
1 16	4 42.87	+18 0.0	1.643	2.445	16.3	19.5

486981 2014 NA_{33} 12 10.4 145°.48 1°.9/10.0 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 35.91	+18 29.8	2.027	2.860	12.8	21.8
11 17	5 30.21	+18 8.6	1.954	2.862	9.5	21.6
11 27	5 22.44	+17 48.0	1.906	2.864	5.8	21.3
12 7	5 13.38	+17 29.0	1.885	2.866	2.3	21.1
12 17	5 4.00	+17 13.1	1.894	2.868	3.5	21.2
12 27	4 55.39	+17 1.8	1.933	2.870	7.2	21.4
1 6	4 48.46	+16 56.5	1.997	2.871	10.8	21.7
1 16	4 43.80	+16 58.0	2.086	2.873	13.8	21.9

22348 Schmeidler 12 10.4 327°.84 0°.4/10.4 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
11 7	5 38.26	+22 52.3	1.294	2.148	17.3	18.4
11 17	5 33.14	+22 44.1	1.223	2.142	12.9	18.2
11 27	5 24.71	+22 32.7	1.173	2.136	7.7	17.8
12 7	5 14.05	+22 17.9	1.147	2.130	2.0	17.5
12 17	5 2.71	+22 0.3	1.147	2.125	3.9	17.6
12 27	4 52.52	+21 42.8	1.173	2.120	9.6	17.9
1 6	4 44.97	+21 28.9	1.222	2.116	14.7	18.2
1 16	4 40.94	+21 21.5	1.292	2.112	18.9	18.4

22686 Mishchenko 12 10.4 209°.82 6°.0/ 8.7 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 35.67	+ 8 3.2	2.050	2.869	13.2	18.3
11 17	5 29.97	+ 6 59.8	1.975	2.865	10.4	18.1
11 27	5 22.28	+ 6 3.6	1.925	2.861	7.7	18.0
12 7	5 13.35	+ 5 18.6	1.903	2.857	6.1	17.9
12 17	5 4.08	+ 4 48.3	1.909	2.852	6.9	17.9
12 27	4 55.51	+ 4 34.8	1.943	2.847	9.4	18.0
1 6	4 48.49	+ 4 37.9	2.002	2.842	12.3	18.2
1 16	4 43.65	+ 4 56.1	2.084	2.836	15.0	18.4

115791 2003 UG_{223} 12 10.4 45°.39 4°.6/10.8 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 39.46	+33 53.7	2.137	2.949	13.0	18.9
11 17	5 33.16	+34 58.4	2.067	2.955	10.1	18.7
11 27	5 24.37	+35 55.0	2.023	2.962	7.1	18.5
12 7	5 13.92	+36 39.0	2.006	2.969	4.8	18.4
12 17	5 2.95	+37 7.5	2.018	2.977	5.2	18.4
12 27	4 52.76	+37 20.4	2.059	2.984	7.7	18.6
1 6	4 44.49	+37 20.5	2.126	2.992	10.6	18.8
1 16	4 38.87	+37 12.3	2.217	3.000	13.3	19.0

294766 2008 CA_{32} 12 10.4 152°.23 1°.6/10.8 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 37.97	+27 47.1	2.043	2.870	13.0	21.3
11 17	5 31.88	+27 53.9	1.969	2.872	9.7	21.1
11 27	5 23.50	+27 54.8	1.918	2.874	6.0	20.9
12 7	5 13.67	+27 48.2	1.896	2.876	2.3	20.6
12 17	5 3.49	+27 34.2	1.902	2.878	3.1	20.7
12 27	4 54.14	+27 14.4	1.939	2.880	6.9	20.9
1 6	4 46.63	+26 51.9	2.002	2.882	10.5	21.2
1 16	4 41.61	+26 30.0	2.089	2.883	13.6	21.4

198852 2005 JS_{103} 12 10.4 41°.48 1°.3/10.7 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 34.99	+26 53.9	2.339	3.164	11.6	20.2
11 17	5 29.45	+27 4.0	2.263	3.166	8.6	20.0
11 27	5 21.97	+27 9.7	2.212	3.168	5.2	19.8
12 7	5 13.27	+27 9.9	2.189	3.170	1.9	19.5
12 17	5 4.25	+27 4.3	2.196	3.172	2.7	19.6
12 27	4 55.92	+26 54.2	2.233	3.175	6.1	19.8
1 6	4 49.11	+26 41.6	2.298	3.177	9.4	20.0
1 16	4 44.42	+26 29.0	2.387	3.179	12.1	20.2

26914 1996 KC_1 12 10.4 216°.27 6°.2/ 9.4 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 35.45	+ 5 16.7	2.133	2.944	13.1	19.7
11 17	5 29.78	+ 4 42.9	2.057	2.939	10.4	19.5
11 27	5 22.18	+ 4 19.6	2.005	2.934	7.8	19.3
12 7	5 13.34	+ 4 9.8	1.979	2.929	6.3	19.2
12 17	5 4.14	+ 4 15.5	1.982	2.923	6.9	19.2
12 27	4 55.57	+ 4 37.2	2.014	2.917	9.2	19.4
1 6	4 48.48	+ 5 13.5	2.071	2.911	11.9	19.5
1 16	4 43.47	+ 6 1.9	2.150	2.904	14.5	19.7

153426 2001 QO_{208} 12 10.4 139°.93 0°.6/10.5 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 41.30	+24 5.7	1.736	2.567	14.7	20.7
11 17	5 34.56	+24 16.0	1.668	2.575	10.9	20.4
11 27	5 25.18	+24 23.2	1.624	2.583	6.5	20.2
12 7	5 14.13	+24 25.7	1.607	2.590	1.8	19.9
12 17	5 2.70	+24 23.2	1.620	2.597	3.2	20.0
12 27	4 52.29	+24 17.2	1.661	2.604	7.7	20.3
1 6	4 44.05	+24 10.1	1.729	2.609	11.8	20.6
1 16	4 38.69	+24 4.9	1.819	2.615	15.2	20.8

284282 2006 JJ_{48} 12 10.4 278°.17 1°.1/10.5 17

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 37.34	+24 24.9	2.365	3.187	11.6	20.9
11 17	5 31.40	+25 5.2	2.266	3.169	8.6	20.7
11 27	5 23.30	+25 44.9	2.193	3.150	5.3	20.4
12 7	5 13.68	+26 21.9	2.149	3.131	1.8	20.2
12 17	5 3.43	+26 54.2	2.136	3.112	2.8	20.2
12 27	4 53.62	+27 21.0	2.154	3.093	6.4	20.4
1 6	4 45.24	+27 43.2	2.199	3.074	9.9	20.6
1 16	4 39.04	+28 2.3	2.269	3.055	12.9	20.8

357462 2004 EQ_{64} 12 10.4 251°.83 1°.8/10.2 17

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 37.31	+17 5.5	2.168	2.994	12.3	21.3
11 17	5 31.36	+17 11.4	2.075	2.979	9.2	21.1
11 27	5 23.25	+17 20.3	2.006	2.963	5.7	20.8
12 7	5 13.66	+17 32.3	1.966	2.946	2.2	20.6
12 17	5 3.52	+17 47.3	1.956	2.930	3.4	20.6
12 27	4 53.91	+18 5.5	1.975	2.912	7.1	20.8
1 6	4 45.82	+18 27.2	2.023	2.895	10.8	21.0
1 16	4 39.96	+18 52.8	2.094	2.877	13.9	21.2

431757 2008 GY_{89} 12 10.4 185°.23 1°.0/10.6 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
11 7	5 42.06	+25 20.8	1.968	2.791	13.5	22.4
11 17	5 35.00	+25 32.3	1.888	2.791	10.1	22.2
11 27	5 25.42	+25 39.8	1.834	2.791	6.1	21.9
12 7	5 14.22	+25 41.5	1.807	2.790	1.9	21.6
12 17	5 2.55	+25 37.0	1.811	2.788	3.0	21.7
12 27	4 51.73	+25 27.5	1.845	2.785	7.3	22.0
1 6	4 42.87	+25 15.8	1.906	2.782	11.1	22.2
1 16	4 36.70	+25 4.9	1.990	2.777	14.4	22.4

481339 2006 BM_{223} 12 10.4 319°.54 2°.1/10.1 16

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 35.90	+18 52.3	1.380	2.234	16.5	21.4
11 17	5 31.30	+18 38.5	1.300	2.218	12.4	21.1
11 27	5 23.63	+18 26.1	1.241	2.204	7.6	20.8
12 7	5 13.82	+18 15.9	1.207	2.189	2.8	20.5
12 17	5 3.24	+18 9.3	1.199	2.175	4.4	20.6
12 27	4 53.55	+18 8.1	1.217	2.162	9.7	20.8
1 6	4 46.19	+18 14.1	1.259	2.149	14.6	21.1
1 16	4 42.08	+18 28.2	1.321	2.138	18.8	21.3

64226 2001 TO_{112} 12 10.4 337°.38 0°.4/10.5 17

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 34.70	+25 51.6	1.536	2.385	15.4	18.6
11 17	5 30.14	+25 23.4	1.456	2.373	11.5	18.3
11 27	5 22.77	+24 47.5	1.399	2.361	6.9	18.0
12 7	5 13.55	+24 4.3	1.367	2.351	1.9	17.7
12 17	5 3.80	+23 15.9	1.362	2.341	3.4	17.7
12 27	4 55.01	+22 26.5	1.385	2.332	8.4	18.0
1 6	4 48.43	+21 41.0	1.432	2.324	13.0	18.3
1 16	4 44.83	+21 3.3	1.500	2.316	16.9	18.5

129858 1999 RW_{113} 12 10.4 104°.97 4°.9/ 9.2 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 37.54	+12 39.3	1.781	2.612	14.4	19.6
11 17	5 31.44	+11 35.7	1.721	2.623	10.9	19.5
11 27	5 23.16	+10 36.9	1.686	2.634	7.4	19.3
12 7	5 13.59	+ 9 46.8	1.678	2.645	5.0	19.2
12 17	5 3.82	+ 9 8.9	1.698	2.656	6.0	19.2
12 27	4 55.02	+ 8 45.9	1.746	2.667	9.2	19.5
1 6	4 48.10	+ 8 38.0	1.820	2.677	12.5	19.7
1 16	4 43.63	+ 8 44.4	1.916	2.687	15.5	19.9

260441 2004 XN_{155} 12 10.4 45°.24 2°.4/10.3 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 40.22	+17 24.4	1.089	1.949	19.4	20.4
11 17	5 34.62	+17 29.9	1.041	1.962	14.4	20.2
11 27	5 25.53	+17 40.8	1.013	1.976	8.7	19.9
12 7	5 14.26	+17 56.7	1.008	1.990	3.2	19.6
12 17	5 2.60	+18 17.3	1.028	2.004	4.9	19.8
12 27	4 52.51	+18 42.3	1.073	2.019	10.4	20.1
1 6	4 45.41	+19 11.8	1.140	2.035	15.4	20.5
1 16	4 42.03	+19 45.7	1.227	2.051	19.5	20.8

81636 2000 HP_{78} 12 10.4 330°.33 0°.1/10.4 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 41.59	+18 47.3	1.737	2.568	14.7	19.4
11 17	5 35.05	+19 58.5	1.657	2.564	10.9	19.1
11 27	5 25.69	+21 16.2	1.602	2.561	6.5	18.9
12 7	5 14.35	+22 36.4	1.574	2.558	1.7	18.5
12 17	5 2.24	+23 54.6	1.577	2.555	3.3	18.6
12 27	4 50.84	+25 7.5	1.610	2.552	8.0	18.9
1 6	4 41.47	+26 13.7	1.670	2.549	12.3	19.2
1 16	4 35.02	+27 13.8	1.754	2.547	15.8	19.4

44593 1999 OG_3 12 10.4 43°.96 8°.3/ 7.4 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 41.65	+14 47.9	1.057	1.915	20.1	17.4
11 17	5 35.06	+11 46.5	1.022	1.938	15.2	17.2
11 27	5 25.37	+ 8 49.8	1.011	1.962	10.6	17.1
12 7	5 14.12	+ 6 11.7	1.024	1.987	8.4	17.0
12 17	5 3.06	+ 4 5.0	1.063	2.013	10.2	17.2
12 27	4 53.86	+ 2 36.7	1.127	2.039	14.0	17.5
1 6	4 47.60	+ 1 46.4	1.212	2.066	17.7	17.8
1 16	4 44.74	+ 1 28.9	1.315	2.093	20.9	18.1

331096 2009 WY_{192} 12 10.4 106°.84 2°.6/10.8 17

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 38.04	+29 48.7	2.311	3.129	12.0	21.2
11 17	5 31.79	+30 25.4	2.240	3.137	9.0	21.0
11 27	5 23.41	+30 56.3	2.194	3.145	5.8	20.9
12 7	5 13.69	+31 18.9	2.177	3.153	3.0	20.7
12 17	5 3.59	+31 31.8	2.189	3.160	3.5	20.7
12 27	4 54.23	+31 35.3	2.232	3.168	6.5	20.9
1 6	4 46.54	+31 31.9	2.302	3.175	9.6	21.1
1 16	4 41.15	+31 24.6	2.396	3.183	12.3	21.3

475843 2007 BS_{44} 12 10.4 354°.13 2°.3/10.8 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 39.33	+28 11.6	1.323	2.171	17.4	21.4
11 17	5 33.97	+28 21.5	1.255	2.169	13.1	21.1
11 27	5 25.22	+28 23.0	1.208	2.168	8.2	20.9
12 7	5 14.22	+28 13.7	1.186	2.167	3.2	20.6
12 17	5 2.61	+27 52.9	1.189	2.166	4.3	20.6
12 27	4 52.26	+27 23.8	1.219	2.166	9.4	20.9
1 6	4 44.68	+26 51.6	1.272	2.166	14.2	21.2
1 16	4 40.69	+26 21.8	1.346	2.166	18.3	21.5

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
331721 2002 SJ_{73}		12 10.4 59°.26 3°.5/ 9.9 17				
	h m	° ′			°	m
11 7	5 33.59	+12 18.7	2.265	3.091	11.9	21.0
11 17	5 28.31	+12 4.6	2.194	3.095	9.0	20.9
11 27	5 21.26	+11 56.0	2.148	3.098	5.9	20.7
12 7	5 13.12	+11 54.4	2.130	3.102	3.6	20.5
12 17	5 4.70	+12 0.6	2.141	3.105	4.4	20.6
12 27	4 56.91	+12 15.1	2.181	3.109	7.2	20.8
1 6	4 50.53	+12 37.5	2.249	3.112	10.2	21.0
1 16	4 46.09	+13 6.9	2.340	3.116	12.8	21.2
133572 2003 UO_{38}		12 10.4 144°.49 1°.1/10.1 18				
11 7	5 38.78	+22 36.9	1.946	2.776	13.4	19.9
11 17	5 32.34	+21 50.3	1.874	2.782	9.9	19.7
11 27	5 23.71	+20 59.2	1.828	2.787	5.9	19.5
12 7	5 13.75	+20 5.4	1.810	2.792	1.8	19.2
12 17	5 3.57	+19 11.6	1.822	2.797	3.2	19.4
12 27	4 54.33	+18 21.7	1.863	2.802	7.4	19.6
1 6	4 46.96	+17 38.9	1.932	2.806	11.1	19.9
1 16	4 42.06	+17 5.6	2.024	2.810	14.3	20.1
82969 2001 QQ_{133}		12 10.4 182°.59 1°.1/10.7 18				
11 7	5 41.81	+27 12.3	2.095	2.913	13.0	20.5
11 17	5 34.63	+27 2.6	2.014	2.915	9.7	20.3
11 27	5 25.12	+26 46.3	1.959	2.915	5.9	20.0
12 7	5 14.14	+26 22.5	1.933	2.915	1.9	19.8
12 17	5 2.81	+25 51.8	1.937	2.913	2.9	19.9
12 27	4 52.36	+25 16.7	1.971	2.911	6.9	20.1
1 6	4 43.81	+24 40.9	2.034	2.908	10.6	20.3
1 16	4 37.80	+24 8.0	2.120	2.905	13.7	20.5
407263 2010 BM_{55}		12 10.4 40°.51 9°.5/15.3 17				
11 7	5 48.53	+51 45.3	1.840	2.590	17.1	19.6
11 17	5 40.22	+51 47.4	1.783	2.607	14.6	19.5
11 27	5 28.48	+51 22.3	1.746	2.624	12.1	19.3
12 7	5 14.94	+50 24.9	1.732	2.642	10.1	19.3
12 17	5 1.57	+48 55.2	1.744	2.660	9.5	19.3
12 27	4 50.27	+46 59.6	1.783	2.679	10.6	19.4
1 6	4 42.25	+44 48.9	1.848	2.698	12.7	19.5
1 16	4 37.95	+42 34.2	1.937	2.718	15.0	19.7
30341 2000 JT_{33}		12 10.4 26°.93 3°.2/11.1 18				
11 7	5 39.79	+30 45.2	1.314	2.159	17.7	18.3
11 17	5 34.23	+30 46.8	1.253	2.164	13.4	18.0
11 27	5 25.29	+30 36.5	1.213	2.170	8.5	17.8
12 7	5 14.22	+30 11.7	1.197	2.176	3.9	17.5
12 17	5 2.72	+29 32.8	1.207	2.182	4.6	17.6
12 27	4 52.67	+28 44.3	1.243	2.189	9.3	17.9
1 6	4 45.47	+27 53.0	1.303	2.197	13.9	18.2
1 16	4 41.86	+27 5.2	1.384	2.205	17.8	18.5
419484 2010 EJ_{7}		12 10.4 292°.24 1°.2/10.4 18				
11 7	5 35.70	+17 48.4	2.230	3.058	12.0	20.3
11 17	5 30.16	+18 12.2	2.137	3.043	8.9	20.1
11 27	5 22.55	+18 39.5	2.069	3.027	5.4	19.8
12 7	5 13.51	+19 9.7	2.030	3.012	1.8	19.6
12 17	5 3.92	+19 41.8	2.021	2.997	2.9	19.6
12 27	4 54.82	+20 15.3	2.041	2.981	6.7	19.8
1 6	4 47.16	+20 49.9	2.090	2.966	10.3	20.0
1 16	4 41.64	+21 25.8	2.163	2.951	13.4	20.2
453220 2008 HN_{50}		12 10.4 220°.50 4°.0/ 9.1 17				
11 7	5 34.86	+13 21.5	2.249	3.074	12.0	22.1
11 17	5 29.26	+12 24.2	2.170	3.070	9.1	21.9
11 27	5 21.84	+11 29.5	2.117	3.065	6.1	21.7
12 7	5 13.28	+10 40.3	2.092	3.060	4.1	21.6
12 17	5 4.43	+ 9 59.7	2.096	3.055	5.0	21.7
12 27	4 56.23	+ 9 30.2	2.130	3.050	7.8	21.8
1 6	4 49.46	+ 9 12.8	2.191	3.044	10.9	22.0
1 16	4 44.71	+ 9 7.7	2.275	3.039	13.5	22.2
58094 1972 AP		12 10.5 323°.04 0°.2/10.4 18				
11 7	5 38.69	+19 31.2	1.302	2.155	17.3	18.0
11 17	5 33.84	+20 32.0	1.218	2.136	13.0	17.6
11 27	5 25.45	+21 41.2	1.156	2.119	7.9	17.3
12 7	5 14.40	+22 54.9	1.118	2.101	2.1	16.9
12 17	5 2.14	+24 8.3	1.107	2.085	4.0	17.0
12 27	4 50.63	+25 17.2	1.122	2.070	9.9	17.3
1 6	4 41.63	+26 20.1	1.161	2.055	15.2	17.5
1 16	4 36.35	+27 17.6	1.220	2.041	19.8	17.8
415219 2012 HO_{60}		12 10.5 147°.00 2°.9/10.9 17				
11 7	5 37.80	+31 2.2	2.450	3.263	11.5	20.9
11 17	5 31.57	+31 38.3	2.374	3.267	8.7	20.7
11 27	5 23.30	+32 8.3	2.323	3.270	5.7	20.6
12 7	5 13.69	+32 29.5	2.301	3.274	3.2	20.4
12 17	5 3.68	+32 40.5	2.309	3.277	3.6	20.4
12 27	4 54.35	+32 41.7	2.346	3.280	6.4	20.6
1 6	4 46.60	+32 35.4	2.412	3.283	9.3	20.8
1 16	4 41.06	+32 24.8	2.502	3.286	11.9	21.0

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
471036 2009 TR_{14}		12 10.5 50°.40 2°.3/ 9.9 18				
	h m	° ′			°	m
11 7	5 42.20	+21 13.4	1.122	1.979	19.2	20.2
11 17	5 35.51	+20 16.8	1.090	2.010	14.1	20.0
11 27	5 25.68	+19 18.4	1.078	2.041	8.3	19.8
12 7	5 14.23	+18 21.8	1.091	2.073	2.9	19.6
12 17	5 2.96	+17 31.5	1.129	2.105	4.8	19.8
12 27	4 53.54	+16 51.9	1.194	2.137	10.0	20.2
1 6	4 47.11	+16 25.7	1.281	2.170	14.5	20.5
1 16	4 44.11	+16 13.3	1.389	2.202	18.2	20.9
457474 2008 UC_{234}		12 10.5 324°.75 4°.4/ 8.9 17				
11 7	5 33.05	+12 29.0	2.198	3.027	12.1	21.5
11 17	5 27.97	+11 25.0	2.122	3.023	9.3	21.4
11 27	5 21.09	+10 24.2	2.072	3.019	6.3	21.2
12 7	5 13.10	+ 9 30.0	2.049	3.015	4.5	21.0
12 17	5 4.83	+ 8 45.9	2.055	3.011	5.4	21.1
12 27	4 57.21	+ 8 14.3	2.090	3.007	8.1	21.3
1 6	4 51.02	+ 7 56.3	2.152	3.004	11.1	21.4
1 16	4 46.80	+ 7 51.6	2.236	3.001	13.7	21.6
456148 2006 EB_{53}		12 10.5 354°.25 4°.6/11.2 17				
11 7	5 37.18	+34 4.6	1.858	2.681	14.2	20.8
11 17	5 31.79	+34 42.4	1.784	2.678	11.0	20.6
11 27	5 23.71	+35 10.1	1.732	2.676	7.6	20.4
12 7	5 13.83	+35 24.1	1.706	2.674	4.9	20.2
12 17	5 3.42	+35 22.2	1.708	2.673	5.2	20.2
12 27	4 53.91	+35 5.8	1.738	2.672	8.2	20.4
1 6	4 46.52	+34 38.9	1.793	2.672	11.6	20.6
1 16	4 42.00	+34 6.7	1.871	2.672	14.7	20.8
338476 2003 GF_{40}		12 10.5 228°.76 1°.2/10.6 18				
11 7	5 40.50	+25 2.3	1.795	2.625	14.3	21.2
11 17	5 34.18	+25 23.8	1.712	2.619	10.7	20.9
11 27	5 25.13	+25 42.4	1.653	2.611	6.5	20.7
12 7	5 14.22	+25 55.9	1.621	2.604	2.1	20.4
12 17	5 2.68	+26 2.8	1.619	2.596	3.3	20.4
12 27	4 51.96	+26 3.9	1.645	2.588	7.8	20.7
1 6	4 43.29	+26 1.7	1.698	2.579	12.0	20.9
1 16	4 37.50	+25 59.2	1.773	2.570	15.5	21.1
43117 1999 XT_{42}		12 10.5 106°.14 0°.5/10.3 18				
11 7	5 39.34	+22 53.8	1.873	2.704	13.8	19.3
11 17	5 32.80	+22 32.3	1.811	2.719	10.1	19.1
11 27	5 23.99	+22 7.6	1.774	2.734	6.0	18.9
12 7	5 13.86	+21 40.2	1.765	2.748	1.6	18.6
12 17	5 3.53	+21 11.6	1.785	2.762	3.0	18.8
12 27	4 54.23	+20 44.2	1.835	2.776	7.2	19.1
1 6	4 46.89	+20 20.9	1.911	2.789	11.0	19.3
1 16	4 42.09	+20 3.6	2.011	2.802	14.1	19.6
65192 2002 CO_{261}		12 10.5 77°.48 2°.9/11.0 18				
11 7	5 38.52	+30 47.1	2.023	2.845	13.3	19.4
11 17	5 32.35	+31 10.7	1.957	2.855	10.0	19.2
11 27	5 23.83	+31 26.4	1.915	2.865	6.5	19.0
12 7	5 13.84	+31 31.9	1.900	2.876	3.4	18.8
12 17	5 3.53	+31 26.3	1.914	2.886	3.8	18.9
12 27	4 54.14	+31 11.2	1.958	2.896	7.1	19.1
1 6	4 46.68	+30 49.9	2.028	2.906	10.5	19.3
1 16	4 41.80	+30 26.4	2.122	2.916	13.4	19.5
314880 2006 VA_{29}		12 10.5 18°.17 3°.5/10.8 18				
11 7	5 38.04	+29 9.1	1.494	2.336	16.1	20.2
11 17	5 32.75	+29 59.8	1.432	2.341	12.2	20.0
11 27	5 24.41	+30 44.1	1.392	2.348	7.8	19.7
12 7	5 14.04	+31 17.6	1.378	2.355	4.0	19.5
12 17	5 3.13	+31 37.5	1.390	2.362	4.8	19.6
12 27	4 53.33	+31 44.1	1.429	2.371	8.8	19.8
1 6	4 46.01	+31 41.1	1.493	2.380	12.9	20.1
1 16	4 41.97	+31 33.1	1.578	2.390	16.4	20.4
237775 2002 AO_{100}		12 10.5 299°.51 1°.1/10.6 18				
11 7	5 38.28	+25 5.6	1.529	2.373	15.7	20.7
11 17	5 33.03	+25 18.4	1.443	2.356	11.8	20.4
11 27	5 24.69	+25 27.6	1.379	2.340	7.2	20.1
12 7	5 14.17	+25 31.2	1.341	2.324	2.2	19.7
12 17	5 2.82	+25 28.1	1.330	2.308	3.6	19.8
12 27	4 52.32	+25 19.8	1.346	2.292	8.8	20.0
1 6	4 44.10	+25 9.3	1.387	2.277	13.5	20.3
1 16	4 39.13	+25 0.3	1.449	2.262	17.6	20.5
109890 2001 SF_{10}		12 10.5 83°.59 1°.7/10.8 18				
11 7	5 39.81	+27 19.7	1.963	2.788	13.5	19.8
11 17	5 33.15	+27 36.5	1.907	2.810	10.0	19.6
11 27	5 24.21	+27 47.6	1.875	2.831	6.1	19.4
12 7	5 13.93	+27 51.4	1.871	2.852	2.3	19.2
12 17	5 3.45	+27 47.4	1.897	2.872	3.1	19.3
12 27	4 53.98	+27 37.3	1.952	2.893	6.9	19.6
1 6	4 46.49	+27 23.9	2.034	2.913	10.4	19.8
1 16	4 41.56	+27 10.3	2.140	2.933	13.3	20.1

401525 2013 ED_{90} 12 10.5 229°.92 5°.0/11.7 17

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
11 7	5 41.31	+38 10.2	2.256	3.051	12.9	21.6
11 17	5 34.54	+38 31.2	2.167	3.042	10.3	21.5
11 27	5 25.23	+38 39.6	2.103	3.033	7.5	21.3
12 7	5 14.25	+38 31.8	2.065	3.023	5.3	21.1
12 17	5 2.78	+38 6.4	2.057	3.013	5.4	21.1
12 27	4 52.15	+37 25.2	2.078	3.002	7.7	21.2
1 6	4 43.48	+36 33.0	2.126	2.991	10.6	21.4
1 16	4 37.53	+35 35.6	2.198	2.980	13.4	21.6

210068 2006 QP_{7} 12 10.5 137°.53 5°.7/11.8 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 43.45	+39 41.2	2.200	2.989	13.4	20.7
11 17	5 36.09	+40 21.1	2.131	2.999	10.8	20.5
11 27	5 26.11	+40 47.5	2.086	3.009	8.0	20.4
12 7	5 14.47	+40 56.0	2.068	3.018	6.0	20.2
12 17	5 2.46	+40 44.9	2.079	3.026	6.1	20.3
12 27	4 51.46	+40 15.8	2.119	3.035	8.1	20.4
1 6	4 42.62	+39 33.8	2.185	3.042	10.7	20.6
1 16	4 36.64	+38 44.9	2.275	3.050	13.2	20.8

702 Alauda 12 10.5 154°.03 4°.6/12.3 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 39.65	+39 49.4	2.452	3.241	12.2	12.5
11 17	5 32.93	+39 40.4	2.372	3.242	9.7	12.3
11 27	5 24.06	+39 17.0	2.315	3.242	7.1	12.1
12 7	5 13.91	+38 37.3	2.286	3.243	5.0	12.0
12 17	5 3.56	+37 41.6	2.287	3.244	4.9	12.0
12 27	4 54.16	+36 32.9	2.318	3.244	6.9	12.1
1 6	4 46.62	+35 16.6	2.377	3.245	9.5	12.3
1 16	4 41.51	+33 58.4	2.461	3.245	12.1	12.5

357417 2003 XH_{16} 12 10.5 354°.41 2°.7/10.2 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 34.81	+16 55.6	1.369	2.224	16.5	20.3
11 17	5 30.35	+16 48.3	1.301	2.219	12.4	20.0
11 27	5 22.99	+16 45.2	1.254	2.216	7.6	19.8
12 7	5 13.71	+16 47.6	1.232	2.213	3.2	19.5
12 17	5 3.86	+16 56.1	1.236	2.211	4.6	19.6
12 27	4 55.01	+17 11.5	1.266	2.210	9.4	19.9
1 6	4 48.45	+17 34.1	1.320	2.210	14.0	20.1
1 16	4 44.99	+18 3.4	1.394	2.211	17.9	20.4

93156 2000 SB_{85} 12 10.5 305°.06 3°.3/ 9.9 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 36.77	+15 59.2	1.566	2.409	15.4	18.6
11 17	5 31.51	+15 34.4	1.490	2.402	11.6	18.4
11 27	5 23.57	+15 12.9	1.437	2.395	7.3	18.1
12 7	5 13.85	+14 56.7	1.409	2.388	3.6	17.9
12 17	5 3.59	+14 47.8	1.409	2.381	4.9	17.9
12 27	4 54.19	+14 47.8	1.436	2.374	9.2	18.2
1 6	4 46.88	+14 57.5	1.488	2.367	13.5	18.4
1 16	4 42.41	+15 16.8	1.561	2.361	17.1	18.6

178007 2006 QX_{136} 12 10.5 61°.63 3°.3/10.3 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 38.32	+13 37.9	1.660	2.495	15.1	20.0
11 17	5 32.20	+13 42.3	1.608	2.515	11.3	19.8
11 27	5 23.71	+13 53.7	1.579	2.534	7.1	19.6
12 7	5 13.83	+14 12.5	1.577	2.554	3.6	19.5
12 17	5 3.72	+14 38.5	1.603	2.574	4.6	19.6
12 27	4 54.66	+15 11.0	1.658	2.594	8.3	19.8
1 6	4 47.63	+15 49.0	1.738	2.614	12.0	20.1
1 16	4 43.23	+16 31.5	1.841	2.634	15.2	20.4

21268 1996 KL_{1} 12 10.5 160°.12 4°.4/ 9.6 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 33.35	+ 5 18.7	3.179	3.974	9.5	19.9
11 17	5 27.66	+ 5 2.3	3.107	3.981	7.5	19.8
11 27	5 20.72	+ 4 53.4	3.062	3.988	5.6	19.7
12 7	5 13.03	+ 4 53.6	3.046	3.994	4.4	19.6
12 17	5 5.17	+ 5 3.7	3.061	4.000	4.8	19.7
12 27	4 57.75	+ 5 23.8	3.106	4.005	6.5	19.8
1 6	4 51.33	+ 5 53.0	3.179	4.010	8.5	19.9
1 16	4 46.33	+ 6 30.0	3.277	4.014	10.3	20.1

47201 1999 TJ_{205} 12 10.5 172°.61 3°.2/10.9 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 43.19	+30 17.3	1.682	2.507	15.4	18.7
11 17	5 36.33	+30 45.0	1.609	2.509	11.7	18.4
11 27	5 26.47	+31 4.5	1.559	2.511	7.5	18.2
12 7	5 14.61	+31 12.0	1.536	2.512	3.8	18.0
12 17	5 2.20	+31 5.9	1.541	2.513	4.4	18.0
12 27	4 50.88	+30 47.8	1.575	2.514	8.4	18.3
1 6	4 41.97	+30 22.4	1.634	2.514	12.4	18.5
1 16	4 36.28	+29 54.9	1.716	2.514	15.9	18.7

91297 1999 FD_{31} 12 10.5 229°.81 2°.4/10.7 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 41.02	+27 53.6	1.782	2.610	14.5	19.8
11 17	5 34.67	+28 25.3	1.700	2.604	10.9	19.5
11 27	5 25.49	+28 51.9	1.643	2.598	6.9	19.3
12 7	5 14.37	+29 10.2	1.612	2.591	3.0	19.0
12 17	5 2.60	+29 18.3	1.610	2.585	3.8	19.1
12 27	4 51.68	+29 16.7	1.637	2.578	8.0	19.3
1 6	4 42.89	+29 8.6	1.690	2.570	12.1	19.5
1 16	4 37.10	+28 58.0	1.765	2.563	15.6	19.7

207337 2005 HB_{2} 12 10.5 102°.13 0°.9/10.3 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
11 7	5 38.00	+20 20.1	1.927	2.759	13.4	20.8
11 17	5 31.86	+20 20.0	1.862	2.771	9.9	20.6
11 27	5 23.50	+20 20.0	1.822	2.782	5.9	20.4
12 7	5 13.79	+20 19.7	1.810	2.792	1.7	20.1
12 17	5 3.79	+20 19.7	1.827	2.803	3.1	20.3
12 27	4 54.68	+20 20.7	1.873	2.814	7.1	20.5
1 6	4 47.39	+20 24.2	1.946	2.824	10.8	20.8
1 16	4 42.56	+20 31.3	2.042	2.834	13.9	21.0

7531 Pecorelli 12 10.5 187°.28 1°.7/10.1 18 R

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 39.93	+19 36.5	1.798	2.630	14.2	18.2
11 17	5 33.50	+19 14.2	1.722	2.630	10.6	17.9
11 27	5 24.59	+18 51.2	1.670	2.629	6.4	17.7
12 7	5 14.10	+18 28.5	1.646	2.628	2.3	17.4
12 17	5 3.20	+18 7.6	1.651	2.626	3.7	17.5
12 27	4 53.19	+17 50.8	1.686	2.624	8.0	17.8
1 6	4 45.16	+17 39.9	1.746	2.621	12.0	18.0
1 16	4 39.81	+17 36.6	1.829	2.618	15.4	18.3

10159 Tokara 12 10.5 167°.06 1°.9/10.2 18 R

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 39.88	+17 20.0	1.890	2.719	13.8	18.0
11 17	5 33.34	+17 21.1	1.817	2.722	10.3	17.8
11 27	5 24.45	+17 25.0	1.769	2.726	6.3	17.6
12 7	5 14.06	+17 31.7	1.748	2.729	2.4	17.4
12 17	5 3.27	+17 41.3	1.757	2.731	3.6	17.4
12 27	4 53.31	+17 54.4	1.795	2.733	7.7	17.7
1 6	4 45.20	+18 11.4	1.860	2.734	11.5	17.9
1 16	4 39.64	+18 32.9	1.949	2.735	14.7	18.2

212061 2005 EJ_{32} 12 10.5 161°.44 1°.7/10.1 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 37.62	+18 13.5	2.228	3.052	12.1	21.5
11 17	5 31.34	+17 58.9	2.154	3.058	9.0	21.3
11 27	5 23.12	+17 45.1	2.106	3.063	5.4	21.1
12 7	5 13.69	+17 32.9	2.087	3.067	2.1	20.9
12 17	5 3.99	+17 23.1	2.098	3.071	3.2	21.0
12 27	4 55.01	+17 17.1	2.139	3.075	6.8	21.2
1 6	4 47.59	+17 16.0	2.208	3.078	10.1	21.4
1 16	4 42.32	+17 20.3	2.301	3.080	12.9	21.6

514193 2015 MN_{105} 12 10.5 144°.26 0°.5/10.6 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 40.63	+24 38.6	2.064	2.887	13.0	21.8
11 17	5 33.73	+24 40.7	1.995	2.898	9.6	21.6
11 27	5 24.59	+24 39.1	1.951	2.908	5.7	21.4
12 7	5 14.08	+24 32.9	1.935	2.918	1.6	21.2
12 17	5 3.30	+24 22.1	1.950	2.927	2.8	21.3
12 27	4 53.40	+24 8.4	1.994	2.935	6.8	21.5
1 6	4 45.36	+23 54.3	2.067	2.943	10.4	21.8
1 16	4 39.79	+23 42.3	2.163	2.950	13.4	22.0

215179 2000 GQ_{171} 12 10.5 248°.00 4°.2/ 9.3 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 35.85	+12 9.7	2.191	3.013	12.3	21.0
11 17	5 30.19	+11 26.7	2.101	2.998	9.5	20.8
11 27	5 22.54	+10 47.6	2.036	2.983	6.4	20.6
12 7	5 13.59	+10 15.1	1.999	2.967	4.3	20.5
12 17	5 4.19	+ 9 51.7	1.992	2.951	5.2	20.5
12 27	4 55.36	+ 9 39.4	2.014	2.934	8.2	20.6
1 6	4 47.98	+ 9 38.8	2.062	2.917	11.4	20.8
1 16	4 42.70	+ 9 49.8	2.134	2.899	14.3	21.0

511883 2015 GG_{43} 12 10.5 9°.10 0°.2/10.5 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 39.84	+21 17.0	1.214	2.069	18.2	20.6
11 17	5 34.53	+21 53.2	1.150	2.070	13.5	20.4
11 27	5 25.70	+22 31.7	1.107	2.071	8.1	20.1
12 7	5 14.48	+23 9.5	1.089	2.072	2.1	19.7
12 17	5 2.53	+23 43.7	1.096	2.074	4.0	19.8
12 27	4 51.82	+24 13.5	1.129	2.077	9.8	20.2
1 6	4 43.91	+24 40.1	1.185	2.080	14.9	20.5
1 16	4 39.74	+25 5.7	1.261	2.084	19.1	20.8

279804 2000 EZ_{67} 12 10.5 287°.87 2°.0/10.8 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 39.86	+27 17.0	1.497	2.338	16.1	21.0
11 17	5 34.36	+27 31.5	1.410	2.321	12.2	20.7
11 27	5 25.59	+27 40.1	1.345	2.304	7.6	20.4
12 7	5 14.48	+27 39.8	1.306	2.287	2.9	20.1
12 17	5 2.49	+27 29.4	1.293	2.270	4.0	20.1
12 27	4 51.39	+27 10.5	1.307	2.253	9.1	20.4
1 6	4 42.71	+26 47.5	1.347	2.236	13.9	20.6
1 16	4 37.47	+26 25.1	1.407	2.219	18.1	20.8

269552 2009 WZ_{14} 12 10.5 352°.23 1°.6/10.2 17

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 34.30	+18 32.6	2.133	2.966	12.2	20.7
11 17	5 29.06	+18 24.4	2.057	2.965	9.1	20.5
11 27	5 21.86	+18 17.3	2.006	2.964	5.5	20.3
12 7	5 13.40	+18 11.9	1.982	2.964	2.0	20.1
12 17	5 4.61	+18 9.0	1.988	2.963	3.2	20.2
12 27	4 56.48	+18 9.4	2.023	2.963	6.8	20.4
1 6	4 49.89	+18 14.2	2.085	2.962	10.3	20.6
1 16	4 45.45	+18 23.8	2.171	2.962	13.2	20.8

291655 2006 HQ_{54} 12 10.5 163°.31 5°.8/ 8.3 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
11 7	5 32.65	+ 3 39.9	2.821	3.618	10.6	20.9
11 17	5 27.30	+ 2 38.3	2.753	3.622	8.6	20.8
11 27	5 20.58	+ 1 44.9	2.711	3.626	6.8	20.7
12 7	5 13.04	+ 1 2.9	2.697	3.629	5.8	20.6
12 17	5 5.31	+ 0 34.7	2.712	3.632	6.4	20.7
12 27	4 58.10	+ 0 21.5	2.756	3.635	8.0	20.8
1 6	4 51.98	+ 0 23.0	2.826	3.637	9.9	20.9
1 16	4 47.42	+ 0 37.7	2.920	3.639	11.8	21.0

43239 2000 AK_{238} 12 10.5 175°.82 0°.1/10.4 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 35.14	+22 58.8	2.889	3.707	9.8	20.6
11 17	5 29.22	+22 52.7	2.808	3.709	7.2	20.4
11 27	5 21.76	+22 44.5	2.754	3.711	4.3	20.2
12 7	5 13.36	+22 34.1	2.729	3.712	1.1	20.0
12 17	5 4.71	+22 22.1	2.736	3.713	2.1	20.1
12 27	4 56.60	+22 9.4	2.774	3.714	5.2	20.3
1 6	4 49.71	+21 57.5	2.842	3.713	8.0	20.5
1 16	4 44.52	+21 48.0	2.935	3.713	10.5	20.7

235291 2003 UY_{56} 12 10.5 109°.24 5°.6/ 8.3 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 34.64	+ 6 19.3	2.615	3.419	11.1	20.4
11 17	5 28.73	+ 5 2.6	2.559	3.437	8.8	20.3
11 27	5 21.38	+ 3 53.2	2.530	3.454	6.7	20.2
12 7	5 13.24	+ 2 54.7	2.530	3.471	5.6	20.2
12 17	5 4.99	+ 2 10.1	2.559	3.488	6.3	20.2
12 27	4 57.39	+ 1 41.1	2.618	3.504	8.1	20.4
1 6	4 51.05	+ 1 27.5	2.703	3.520	10.2	20.5
1 16	4 46.41	+ 1 28.1	2.811	3.535	12.1	20.7

220144 2002 TP_{134} 12 10.5 49°.04 4°.0/11.3 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 42.02	+32 19.7	1.285	2.126	18.2	19.6
11 17	5 35.95	+32 26.9	1.229	2.137	13.9	19.4
11 27	5 26.36	+32 20.3	1.194	2.148	9.0	19.2
12 7	5 14.61	+31 56.7	1.183	2.159	4.7	18.9
12 17	5 2.52	+31 16.2	1.198	2.171	5.1	19.0
12 27	4 52.05	+30 23.8	1.239	2.184	9.5	19.3
1 6	4 44.61	+29 27.2	1.304	2.196	14.0	19.6
1 16	4 40.90	+28 33.4	1.389	2.209	17.9	19.9

411859 2012 DF_{84} 12 10.5 167°.74 0°.7/10.6 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 36.65	+25 27.8	2.270	3.095	11.9	21.8
11 17	5 30.75	+25 29.7	2.193	3.097	8.8	21.6
11 27	5 22.84	+25 27.6	2.141	3.098	5.3	21.3
12 7	5 13.67	+25 21.0	2.117	3.099	1.6	21.1
12 17	5 4.17	+25 9.8	2.123	3.101	2.6	21.2
12 27	4 55.38	+24 55.5	2.160	3.101	6.3	21.4
1 6	4 48.18	+24 40.3	2.224	3.102	9.7	21.6
1 16	4 43.18	+24 26.6	2.312	3.103	12.5	21.8

373010 2011 DP_{8} 12 10.5 275°.61 5°.9/ 9.2 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 32.79	+ 5 4.3	2.377	3.186	11.9	20.9
11 17	5 27.77	+ 4 29.4	2.295	3.176	9.6	20.7
11 27	5 21.04	+ 4 3.8	2.238	3.165	7.3	20.6
12 7	5 13.21	+ 3 50.5	2.207	3.154	5.9	20.5
12 17	5 5.03	+ 3 51.5	2.205	3.143	6.5	20.5
12 27	4 57.36	+ 4 7.5	2.232	3.132	8.6	20.6
1 6	4 50.95	+ 4 37.4	2.284	3.122	11.1	20.8
1 16	4 46.37	+ 5 19.4	2.359	3.111	13.5	20.9

60209 1999 VR_{75} 12 10.5 86°.16 0°.6/10.4 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 39.34	+21 43.7	1.733	2.569	14.5	20.0
11 17	5 33.00	+21 37.1	1.675	2.585	10.7	19.8
11 27	5 24.24	+21 28.9	1.640	2.601	6.3	19.5
12 7	5 14.03	+21 19.1	1.633	2.616	1.7	19.3
12 17	5 3.59	+21 8.5	1.655	2.632	3.2	19.4
12 27	4 54.22	+20 58.7	1.705	2.647	7.6	19.7
1 6	4 46.92	+20 51.7	1.781	2.662	11.5	20.0
1 16	4 42.31	+20 49.4	1.880	2.677	14.8	20.2

216479 1999 TF_{237} 12 10.5 57°.44 2°.1/10.3 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 41.48	+17 37.3	1.216	2.067	18.4	19.6
11 17	5 35.23	+17 46.6	1.170	2.087	13.6	19.4
11 27	5 25.80	+18 0.3	1.146	2.107	8.2	19.2
12 7	5 14.45	+18 17.9	1.146	2.128	2.9	18.9
12 17	5 2.86	+18 38.6	1.172	2.149	4.4	19.1
12 27	4 52.78	+19 2.4	1.225	2.170	9.6	19.5
1 6	4 45.48	+19 29.5	1.301	2.191	14.2	19.8
1 16	4 41.64	+20 0.1	1.398	2.212	18.1	20.1

177041 2003 DZ_{9} 12 10.5 292°.86 9°.8/12.1 17

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 47.32	− 0 45.4	1.065	1.885	22.7	19.4
11 17	5 40.44	− 0 4.0	0.996	1.881	18.6	19.1
11 27	5 29.49	+ 1 13.5	0.945	1.877	14.0	18.8
12 7	5 15.58	+ 3 10.5	0.917	1.873	10.4	18.6
12 17	5 0.55	+ 5 43.3	0.914	1.869	10.3	18.6
12 27	4 46.70	+ 8 40.7	0.937	1.865	14.0	18.8
1 6	4 35.97	+11 48.1	0.984	1.862	18.8	19.1
1 16	4 29.51	+14 53.3	1.051	1.858	23.2	19.4

269198 2008 HZ_{27} 12 10.5 88°.11 2°.4/10.0 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
11 7	5 40.51	+19 17.4	1.460	2.303	16.3	20.3
11 17	5 34.14	+18 39.7	1.404	2.317	12.1	20.1
11 27	5 25.01	+18 1.7	1.371	2.331	7.3	19.9
12 7	5 14.24	+17 25.4	1.363	2.344	2.9	19.6
12 17	5 3.25	+16 53.7	1.384	2.358	4.4	19.8
12 27	4 53.52	+16 29.4	1.431	2.371	9.0	20.1
1 6	4 46.18	+16 14.8	1.504	2.384	13.3	20.3
1 16	4 41.87	+16 10.7	1.598	2.397	16.8	20.6

332732 2009 SZ_{319} 12 10.5 104°.44 0°.8/10.6 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 44.14	+25 32.7	1.685	2.513	15.2	21.6
11 17	5 36.53	+25 31.5	1.632	2.537	11.2	21.4
11 27	5 26.31	+25 24.8	1.602	2.560	6.7	21.2
12 7	5 14.57	+25 11.6	1.600	2.582	2.0	20.9
12 17	5 2.70	+24 52.5	1.627	2.604	3.2	21.1
12 27	4 52.12	+24 30.0	1.683	2.626	7.7	21.4
1 6	4 43.91	+24 7.7	1.766	2.646	11.7	21.7
1 16	4 38.65	+23 48.8	1.872	2.666	14.9	21.9

234921 2002 TZ_{353} 12 10.5 201°.84 5°.1/ 8.8 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 32.60	+ 5 24.8	2.873	3.675	10.3	21.2
11 17	5 27.31	+ 4 38.4	2.795	3.671	8.2	21.0
11 27	5 20.64	+ 3 59.1	2.743	3.666	6.3	20.9
12 7	5 13.10	+ 3 29.7	2.719	3.662	5.2	20.8
12 17	5 5.32	+ 3 12.1	2.725	3.657	5.7	20.8
12 27	4 58.01	+ 3 7.5	2.759	3.651	7.5	21.0
1 6	4 51.76	+ 3 15.6	2.821	3.646	9.6	21.1
1 16	4 47.04	+ 3 35.1	2.907	3.639	11.6	21.2

199011 2005 WZ_{86} 12 10.5 224°.68 0°.5/10.6 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 39.95	+24 27.2	1.894	2.723	13.7	21.3
11 17	5 33.64	+24 28.3	1.810	2.716	10.2	21.0
11 27	5 24.79	+24 25.7	1.749	2.708	6.2	20.8
12 7	5 14.25	+24 18.4	1.716	2.699	1.7	20.4
12 17	5 3.16	+24 6.3	1.712	2.690	3.0	20.5
12 27	4 52.87	+23 51.1	1.738	2.680	7.5	20.8
1 6	4 44.50	+23 35.7	1.791	2.670	11.5	21.0
1 16	4 38.82	+23 22.8	1.866	2.660	15.0	21.2

119132 2001 PS_{1} 12 10.5 87°.05 1°.0/10.3 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 42.08	+20 40.6	1.539	2.377	15.9	20.0
11 17	5 35.15	+20 35.2	1.488	2.399	11.7	19.8
11 27	5 25.55	+20 29.3	1.461	2.421	6.9	19.6
12 7	5 14.39	+20 22.8	1.460	2.443	2.0	19.3
12 17	5 3.06	+20 16.3	1.487	2.464	3.6	19.5
12 27	4 53.02	+20 11.5	1.542	2.485	8.2	19.8
1 6	4 45.35	+20 10.3	1.624	2.505	12.4	20.1
1 16	4 40.67	+20 14.2	1.727	2.525	15.8	20.4

354997 2006 PG_{28} 12 10.5 178°.33 0°.7/10.6 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 40.26	+23 44.8	2.326	3.144	11.9	21.0
11 17	5 33.43	+24 15.3	2.245	3.146	8.8	20.8
11 27	5 24.49	+24 44.4	2.191	3.147	5.3	20.6
12 7	5 14.15	+25 10.2	2.166	3.148	1.6	20.4
12 17	5 3.39	+25 31.3	2.171	3.148	2.6	20.5
12 27	4 53.26	+25 47.8	2.208	3.148	6.3	20.7
1 6	4 44.73	+26 0.8	2.274	3.147	9.7	20.9
1 16	4 38.45	+26 12.2	2.364	3.145	12.6	21.1

180256 2003 VE_{10} 12 10.5 82°.67 1°.8/10.6 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 46.88	+25 17.9	1.398	2.233	17.4	20.0
11 17	5 39.00	+25 57.9	1.354	2.261	12.8	19.8
11 27	5 27.95	+26 33.3	1.332	2.290	7.7	19.6
12 7	5 15.03	+27 0.3	1.336	2.318	2.7	19.3
12 17	5 1.94	+27 16.8	1.369	2.345	3.9	19.5
12 27	4 50.43	+27 24.0	1.429	2.372	8.7	19.8
1 6	4 41.77	+27 25.7	1.515	2.398	13.0	20.2
1 16	4 36.62	+27 25.6	1.623	2.424	16.5	20.5

488079 2015 VK_{25} 12 10.5 42°.42 2°.1/10.3 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 37.57	+16 45.3	1.533	2.377	15.6	20.5
11 17	5 31.88	+16 55.7	1.483	2.396	11.6	20.3
11 27	5 23.66	+17 10.6	1.456	2.416	7.0	20.1
12 7	5 13.92	+17 29.9	1.455	2.436	2.7	19.8
12 17	5 3.94	+17 52.8	1.481	2.457	3.9	20.0
12 27	4 55.08	+18 19.3	1.535	2.478	8.3	20.3
1 6	4 48.40	+18 49.0	1.615	2.499	12.3	20.6
1 16	4 44.51	+19 21.8	1.716	2.521	15.6	20.8

267696 2002 XD_{19} 12 10.5 52°.01 2°.4/10.7 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 41.80	+26 25.9	1.292	2.139	17.8	20.1
11 17	5 35.74	+27 4.7	1.238	2.152	13.3	19.9
11 27	5 26.28	+27 38.7	1.205	2.164	8.2	19.7
12 7	5 14.66	+28 3.6	1.196	2.178	3.2	19.4
12 17	5 2.56	+28 17.1	1.215	2.191	4.3	19.5
12 27	4 51.90	+28 20.5	1.259	2.205	9.3	19.8
1 6	4 44.09	+28 17.5	1.327	2.219	13.9	20.1
1 16	4 39.91	+28 12.6	1.417	2.233	17.7	20.4

206530 2003 UQ_{168} 12 10.5 63°.39 1°.8/10.8 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
11 7	5 39.23	+27 41.8	1.685	2.520	14.9	20.1
11 17	5 33.25	+27 50.3	1.618	2.526	11.1	19.8
11 27	5 24.57	+27 52.1	1.574	2.531	6.9	19.6
12 7	5 14.19	+27 45.5	1.556	2.537	2.6	19.4
12 17	5 3.41	+27 30.2	1.567	2.543	3.5	19.4
12 27	4 53.69	+27 8.6	1.605	2.549	7.8	19.7
1 6	4 46.18	+26 44.3	1.670	2.556	11.9	20.0
1 16	4 41.60	+26 21.2	1.757	2.562	15.3	20.2

486922 2014 ML_{9} 12 10.5 92°.25 4°.1/ 9.4 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 36.42	+14 0.5	1.884	2.716	13.7	21.8
11 17	5 30.65	+13 6.6	1.821	2.725	10.3	21.6
11 27	5 22.79	+12 16.3	1.783	2.734	6.8	21.4
12 7	5 13.69	+11 32.7	1.772	2.743	4.3	21.3
12 17	5 4.37	+10 58.8	1.790	2.752	5.3	21.4
12 27	4 55.92	+10 37.0	1.836	2.761	8.5	21.6
1 6	4 49.24	+10 28.1	1.908	2.770	11.8	21.8
1 16	4 44.88	+10 31.5	2.003	2.779	14.7	22.1

14836 Maxfrisch 12 10.5 220°.67 5°.4/ 9.3 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 32.79	+ 4 18.6	2.678	3.479	11.0	18.5
11 17	5 27.58	+ 3 50.6	2.599	3.474	8.8	18.4
11 27	5 20.86	+ 3 31.8	2.545	3.469	6.7	18.2
12 7	5 13.19	+ 3 24.4	2.519	3.463	5.5	18.1
12 17	5 5.25	+ 3 30.0	2.522	3.457	6.0	18.2
12 27	4 57.78	+ 3 49.0	2.554	3.451	7.8	18.3
1 6	4 51.45	+ 4 20.3	2.613	3.445	10.0	18.4
1 16	4 46.74	+ 5 2.2	2.695	3.438	12.2	18.6

47897 2000 GO_{38} 12 10.5 4°.87 8°.6/ 8.3 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 34.15	+ 4 50.7	1.614	2.442	15.8	18.3
11 17	5 29.31	+ 3 25.8	1.553	2.442	12.8	18.1
11 27	5 22.16	+ 2 12.8	1.514	2.442	10.0	18.0
12 7	5 13.56	+ 1 18.2	1.500	2.443	8.6	17.9
12 17	5 4.62	+ 0 46.9	1.512	2.444	9.5	18.0
12 27	4 56.55	+ 0 40.8	1.549	2.446	11.9	18.1
1 6	4 50.36	+ 0 58.5	1.609	2.448	14.9	18.3
1 16	4 46.68	+ 1 36.2	1.689	2.450	17.6	18.5

419271 2009 VX_{115} 12 10.5 25°.60 0°.1/10.5 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 35.63	+22 0.5	1.869	2.707	13.5	20.8
11 17	5 30.32	+22 18.3	1.803	2.714	10.0	20.6
11 27	5 22.74	+22 35.7	1.760	2.721	5.9	20.4
12 7	5 13.72	+22 51.6	1.745	2.728	1.6	20.1
12 17	5 4.33	+23 5.2	1.758	2.736	2.9	20.2
12 27	4 55.78	+23 17.1	1.800	2.744	7.1	20.5
1 6	4 49.04	+23 28.3	1.869	2.753	10.9	20.7
1 16	4 44.78	+23 40.4	1.960	2.762	14.0	21.0

315822 2008 GU_{95} 12 10.5 349°.32 1°.6/10.7 17

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 37.72	+25 51.4	1.807	2.642	14.0	20.9
11 17	5 32.14	+26 23.1	1.731	2.640	10.5	20.7
11 27	5 23.97	+26 51.8	1.680	2.638	6.4	20.4
12 7	5 14.09	+27 14.8	1.655	2.636	2.4	20.2
12 17	5 3.66	+27 30.7	1.658	2.635	3.4	20.2
12 27	4 54.04	+27 39.5	1.691	2.634	7.6	20.5
1 6	4 46.41	+27 43.5	1.749	2.633	11.5	20.7
1 16	4 41.53	+27 45.5	1.830	2.633	14.9	20.9

237607 2001 QQ_{71} 12 10.5 75°.94 4°.6/ 9.7 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 37.35	+11 31.2	1.833	2.661	14.2	20.6
11 17	5 31.25	+10 53.4	1.783	2.683	10.7	20.5
11 27	5 23.10	+10 22.6	1.758	2.705	7.2	20.3
12 7	5 13.78	+10 1.5	1.759	2.728	4.8	20.2
12 17	5 4.35	+ 9 51.9	1.790	2.749	5.6	20.3
12 27	4 55.89	+ 9 54.7	1.848	2.771	8.6	20.5
1 6	4 49.25	+10 9.2	1.932	2.793	11.7	20.8
1 16	4 44.97	+10 34.0	2.039	2.814	14.5	21.0

233917 2009 SL_{129} 12 10.5 113°.34 5°.6/ 9.1 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 34.17	+ 6 38.0	2.334	3.146	12.0	20.7
11 17	5 28.65	+ 5 46.9	2.273	3.157	9.5	20.5
11 27	5 21.49	+ 5 4.2	2.237	3.167	7.1	20.4
12 7	5 13.37	+ 4 33.0	2.228	3.178	5.7	20.3
12 17	5 5.06	+ 4 15.6	2.249	3.188	6.3	20.4
12 27	4 57.42	+ 4 12.9	2.297	3.198	8.4	20.5
1 6	4 51.14	+ 4 24.4	2.372	3.207	10.8	20.7
1 16	4 46.72	+ 4 48.2	2.469	3.217	13.0	20.9

286794 2002 JY_{123} 12 10.5 178°.88 3°.3/10.0 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 41.02	+14 59.0	1.744	2.573	14.7	21.5
11 17	5 34.37	+14 42.2	1.671	2.575	11.1	21.3
11 27	5 25.19	+14 29.6	1.622	2.576	7.0	21.0
12 7	5 14.39	+14 22.8	1.600	2.577	3.6	20.8
12 17	5 3.16	+14 22.7	1.607	2.577	4.7	20.9
12 27	4 52.81	+14 30.4	1.643	2.576	8.6	21.1
1 6	4 44.47	+14 46.2	1.705	2.575	12.6	21.4
1 16	4 38.83	+15 9.9	1.789	2.572	15.9	21.6

354432 2003 WU_{192} 12 10.5 16°.33 3°.5/10.2 17

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
11 7	5 32.61	+16 42.7	1.010	1.885	19.4	19.7
11 17	5 29.18	+16 23.8	0.968	1.896	14.4	19.4
11 27	5 22.43	+16 10.6	0.945	1.909	8.9	19.2
12 7	5 13.68	+16 5.4	0.943	1.924	4.0	19.0
12 17	5 4.61	+16 9.6	0.966	1.941	5.5	19.1
12 27	4 57.01	+16 23.9	1.012	1.960	10.6	19.5
1 6	4 52.20	+16 47.8	1.079	1.981	15.4	19.8
1 16	4 50.82	+17 19.8	1.165	2.003	19.4	20.1

83449 2001 SM_{60} 12 10.5 76°.12 3°.0/ 9.9 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 36.10	+16 5.6	1.887	2.721	13.5	19.4
11 17	5 30.51	+15 35.6	1.821	2.728	10.1	19.2
11 27	5 22.78	+15 8.2	1.779	2.735	6.4	19.0
12 7	5 13.74	+14 45.3	1.764	2.742	3.2	18.8
12 17	5 4.43	+14 28.7	1.779	2.749	4.3	18.9
12 27	4 55.96	+14 20.0	1.821	2.755	7.9	19.2
1 6	4 49.24	+14 20.1	1.890	2.762	11.4	19.4
1 16	4 44.88	+14 28.9	1.982	2.769	14.5	19.6

332026 2005 PH 12 10.5 89°.10 1°.7/10.1 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 44.73	+21 13.2	1.669	2.497	15.3	20.7
11 17	5 36.66	+20 25.2	1.625	2.531	11.2	20.6
11 27	5 26.23	+19 34.8	1.606	2.565	6.6	20.4
12 7	5 14.58	+18 44.3	1.615	2.597	2.3	20.2
12 17	5 3.04	+17 56.6	1.654	2.629	3.7	20.3
12 27	4 52.90	+17 15.4	1.723	2.660	8.0	20.7
1 6	4 45.08	+16 43.3	1.818	2.690	11.8	21.0
1 16	4 40.07	+16 21.9	1.936	2.719	14.9	21.2

28505 Sagarrambhia 12 10.5 243°.72 3°.5/11.1 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 42.38	+31 16.2	1.724	2.548	15.1	19.4
11 17	5 35.94	+31 40.0	1.638	2.537	11.6	19.1
11 27	5 26.43	+31 55.0	1.575	2.525	7.6	18.8
12 7	5 14.80	+31 57.3	1.538	2.514	4.0	18.6
12 17	5 2.43	+31 45.0	1.530	2.502	4.6	18.6
12 27	4 50.98	+31 19.7	1.550	2.489	8.5	18.8
1 6	4 41.84	+30 46.3	1.596	2.476	12.6	19.0
1 16	4 35.92	+30 10.5	1.664	2.463	16.3	19.2

333055 2011 SC_{223} 12 10.5 54°.28 0°.3/10.5 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 37.98	+22 56.1	1.664	2.504	14.8	21.2
11 17	5 32.25	+22 46.6	1.599	2.511	10.9	21.0
11 27	5 23.97	+22 34.4	1.556	2.517	6.5	20.8
12 7	5 14.09	+22 19.2	1.541	2.524	1.7	20.5
12 17	5 3.87	+22 2.0	1.553	2.531	3.2	20.6
12 27	4 54.66	+21 44.9	1.594	2.538	7.8	20.9
1 6	4 47.56	+21 30.7	1.660	2.545	11.9	21.2
1 16	4 43.24	+21 21.4	1.749	2.553	15.4	21.4

294948 2008 DM_{69} 12 10.5 321°.44 5°.2/10.9 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 41.70	+31 39.2	1.290	2.132	18.1	20.2
11 17	5 36.33	+32 38.7	1.217	2.124	14.0	20.0
11 27	5 27.09	+33 30.0	1.165	2.117	9.5	19.7
12 7	5 15.04	+34 6.1	1.137	2.110	5.7	19.5
12 17	5 1.98	+34 21.8	1.134	2.103	6.4	19.5
12 27	4 50.10	+34 17.6	1.156	2.096	10.6	19.7
1 6	4 41.23	+33 58.9	1.202	2.090	15.3	19.9
1 16	4 36.47	+33 33.1	1.267	2.085	19.3	20.2

232688 2003 YQ_{152} 12 10.5 8°.12 2°.5/10.2 17

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 34.30	+14 34.7	2.230	3.058	12.0	20.4
11 17	5 29.01	+14 37.7	2.155	3.059	9.0	20.2
11 27	5 21.87	+14 45.4	2.105	3.059	5.7	20.0
12 7	5 13.53	+14 58.3	2.083	3.060	2.8	19.8
12 17	5 4.86	+15 16.5	2.090	3.061	3.7	19.9
12 27	4 56.80	+15 40.0	2.127	3.062	6.8	20.1
1 6	4 50.17	+16 8.5	2.191	3.063	10.1	20.3
1 16	4 45.55	+16 41.4	2.279	3.064	12.9	20.5

75556 1999 YT_{15} 12 10.5 295°.42 1°.2/10.4 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 37.69	+19 5.1	1.690	2.530	14.6	19.5
11 17	5 32.29	+19 18.5	1.604	2.516	10.9	19.2
11 27	5 24.20	+19 34.6	1.541	2.501	6.6	18.9
12 7	5 14.22	+19 52.8	1.504	2.487	2.1	18.6
12 17	5 3.52	+20 12.4	1.496	2.473	3.5	18.7
12 27	4 53.53	+20 33.4	1.516	2.459	8.3	18.9
1 6	4 45.49	+20 56.4	1.561	2.446	12.6	19.2
1 16	4 40.26	+21 22.2	1.629	2.432	16.4	19.4

175515 2006 SL_{39} 12 10.5 50°.73 2°.7/11.1 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 40.44	+30 5.6	1.548	2.383	16.0	20.0
11 17	5 34.14	+30 13.2	1.500	2.406	12.0	19.8
11 27	5 25.05	+30 11.2	1.474	2.429	7.5	19.6
12 7	5 14.35	+29 57.5	1.474	2.453	3.4	19.4
12 17	5 3.51	+29 32.5	1.502	2.477	4.0	19.5
12 27	4 54.05	+28 59.5	1.558	2.501	8.0	19.8
1 6	4 47.06	+28 23.7	1.638	2.526	12.0	20.1
1 16	4 43.15	+27 49.5	1.742	2.550	15.3	20.4

353305 2010 JF_{34} 12 10.5 119°.62 4°.2/11.2 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
11 7	5 43.35	+33 55.3	2.087	2.894	13.5	21.2
11 17	5 36.01	+34 39.6	2.024	2.909	10.4	21.0
11 27	5 26.14	+35 14.2	1.984	2.925	7.1	20.8
12 7	5 14.67	+35 35.3	1.973	2.939	4.5	20.7
12 17	5 2.83	+35 40.7	1.991	2.954	4.8	20.8
12 27	4 51.99	+35 31.8	2.038	2.967	7.5	21.0
1 6	4 43.22	+35 12.5	2.113	2.981	10.6	21.2
1 16	4 37.23	+34 47.6	2.211	2.993	13.3	21.4

74176 1998 RF_{17} 12 10.5 123°.60 0°.5/10.6 18

11 7	5 39.86	+24 57.3	2.058	2.883	13.0	20.4
11 17	5 33.17	+24 51.4	1.993	2.897	9.6	20.2
11 27	5 24.32	+24 41.3	1.953	2.910	5.7	20.0
12 7	5 14.17	+24 26.4	1.941	2.924	1.6	19.8
12 17	5 3.80	+24 7.4	1.959	2.936	2.7	19.9
12 27	4 54.35	+23 46.2	2.007	2.949	6.7	20.2
1 6	4 46.74	+23 25.5	2.083	2.960	10.2	20.4
1 16	4 41.55	+23 7.9	2.182	2.971	13.2	20.6

334153 2001 RE_{147} 12 10.5 33°.00 6°.9/12.9 18

11 7	5 43.49	+40 22.4	1.188	2.017	20.2	19.8
11 17	5 37.39	+40 10.3	1.136	2.029	16.1	19.6
11 27	5 27.31	+39 32.6	1.104	2.043	11.5	19.4
12 7	5 14.96	+38 25.3	1.094	2.058	7.8	19.2
12 17	5 2.54	+36 50.8	1.110	2.074	7.3	19.2
12 27	4 52.21	+34 58.4	1.150	2.091	10.6	19.5
1 6	4 45.41	+33 1.1	1.214	2.108	14.7	19.8
1 16	4 42.66	+31 10.2	1.300	2.126	18.5	20.1

457294 2008 RW_{137} 12 10.5 359°.36 8°.8/ 7.9 17

11 7	5 30.78	+ 4 48.8	1.607	2.441	15.5	20.1
11 17	5 26.89	+ 3 13.6	1.547	2.438	12.6	19.9
11 27	5 20.77	+ 1 50.1	1.508	2.436	10.1	19.8
12 7	5 13.27	+ 0 45.1	1.494	2.435	8.8	19.7
12 17	5 5.43	+ 0 4.0	1.506	2.435	9.7	19.8
12 27	4 58.40	− 0 10.6	1.542	2.436	12.1	19.9
1 6	4 53.16	− 0 0.0	1.600	2.439	14.9	20.1
1 16	4 50.32	+ 0 32.1	1.678	2.443	17.6	20.3

350906 2002 RJ_{158} 12 10.5 85°.08 2°.3/11.0 18

11 7	5 40.57	+29 23.8	1.816	2.642	14.4	20.9
11 17	5 34.00	+29 30.3	1.756	2.658	10.7	20.7
11 27	5 24.92	+29 28.8	1.720	2.674	6.7	20.5
12 7	5 14.34	+29 17.4	1.711	2.690	2.9	20.3
12 17	5 3.53	+28 56.2	1.731	2.706	3.5	20.4
12 27	4 53.83	+28 27.9	1.780	2.722	7.4	20.7
1 6	4 46.30	+27 56.5	1.856	2.738	11.1	20.9
1 16	4 41.55	+27 26.1	1.954	2.753	14.2	21.2

97646 2000 EK_{198} 12 10.5 230°.12 5°.7/12.2 18

11 7	5 39.83	+41 27.2	2.429	3.212	12.5	19.4
11 17	5 33.40	+41 52.6	2.348	3.210	10.1	19.2
11 27	5 24.60	+42 4.3	2.292	3.208	7.7	19.1
12 7	5 14.28	+41 58.9	2.261	3.206	6.0	19.0
12 17	5 3.58	+41 35.0	2.260	3.203	5.9	19.0
12 27	4 53.74	+40 54.3	2.287	3.201	7.7	19.1
1 6	4 45.79	+40 1.3	2.341	3.199	10.1	19.2
1 16	4 40.41	+39 1.8	2.419	3.196	12.4	19.4

190219 2006 CG_{53} 12 10.5 120°.22 0°.7/10.7 18

11 7	5 36.45	+25 33.9	2.409	3.231	11.4	20.9
11 17	5 30.48	+25 32.3	2.338	3.241	8.4	20.7
11 27	5 22.67	+25 26.8	2.293	3.250	5.0	20.5
12 7	5 13.75	+25 16.9	2.277	3.260	1.5	20.3
12 17	5 4.59	+25 2.8	2.291	3.268	2.4	20.3
12 27	4 56.15	+24 46.1	2.336	3.277	5.9	20.6
1 6	4 49.22	+24 28.9	2.408	3.286	9.1	20.8
1 16	4 44.34	+24 13.3	2.506	3.294	11.8	21.0

225684 2001 QC_{33} 12 10.5 7°.31 3°.8/10.9 18

11 7	5 34.70	+28 58.4	0.988	1.859	20.0	19.0
11 17	5 31.41	+29 33.0	0.935	1.860	15.2	18.7
11 27	5 24.16	+29 58.2	0.900	1.862	9.7	18.5
12 7	5 14.25	+30 9.7	0.887	1.867	4.6	18.2
12 17	5 3.68	+30 5.2	0.897	1.873	5.4	18.3
12 27	4 54.69	+29 47.5	0.929	1.881	10.7	18.6
1 6	4 48.99	+29 22.6	0.983	1.891	15.9	18.9
1 16	4 47.40	+28 56.9	1.055	1.902	20.3	19.2

488007 2015 TA_{349} 12 10.5 30°.94 1°.5/10.3 17

11 7	5 36.54	+18 52.6	1.687	2.529	14.6	21.2
11 17	5 31.16	+18 52.0	1.622	2.534	10.8	20.9
11 27	5 23.33	+18 53.0	1.580	2.540	6.5	20.7
12 7	5 13.96	+18 56.0	1.564	2.546	2.2	20.5
12 17	5 4.21	+19 1.1	1.576	2.552	3.5	20.6
12 27	4 55.37	+19 9.2	1.616	2.559	7.9	20.8
1 6	4 48.51	+19 21.1	1.682	2.566	11.9	21.1
1 16	4 44.30	+19 37.6	1.770	2.573	15.3	21.3

217715 1999 VF_{15} 12 10.5 8°.50 6°.0/11.6 17

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
11 7	5 39.71	+38 3.3	1.890	2.699	14.6	20.0
11 17	5 33.83	+38 48.9	1.818	2.699	11.6	19.8
11 27	5 25.09	+39 21.5	1.769	2.700	8.6	19.6
12 7	5 14.45	+39 36.3	1.746	2.702	6.3	19.5
12 17	5 3.27	+39 31.0	1.750	2.703	6.4	19.5
12 27	4 53.09	+39 6.8	1.781	2.705	8.8	19.6
1 6	4 45.18	+38 29.0	1.838	2.707	11.8	19.8
1 16	4 40.32	+37 43.8	1.917	2.710	14.7	20.0

303560 2005 GO_{53} 12 10.5 112°.47 2°.4/10.9 18

11 7	5 39.79	+28 40.1	1.886	2.712	13.9	20.9
11 17	5 33.57	+29 8.0	1.814	2.717	10.5	20.7
11 27	5 24.79	+29 29.8	1.767	2.721	6.6	20.5
12 7	5 14.36	+29 42.9	1.747	2.725	3.0	20.3
12 17	5 3.48	+29 46.0	1.756	2.730	3.7	20.3
12 27	4 53.50	+29 40.0	1.793	2.734	7.4	20.6
1 6	4 45.55	+29 28.0	1.857	2.738	11.1	20.8
1 16	4 40.35	+29 13.9	1.945	2.742	14.3	21.0

495825 2017 FG_{123} 12 10.5 295°.30 4°.2/11.2 18

11 7	5 38.17	+34 33.2	2.249	3.059	12.5	21.1
11 17	5 32.25	+35 10.6	2.168	3.055	9.7	20.9
11 27	5 23.98	+35 39.0	2.111	3.051	6.8	20.8
12 7	5 14.15	+35 55.3	2.081	3.047	4.5	20.6
12 17	5 3.82	+35 57.4	2.081	3.043	4.7	20.6
12 27	4 54.21	+35 46.3	2.109	3.039	7.3	20.8
1 6	4 46.38	+35 25.1	2.165	3.035	10.2	20.9
1 16	4 41.03	+34 58.2	2.244	3.031	13.0	21.1

327685 2006 RJ_{53} 12 10.5 82°.54 3°.9/10.1 18

11 7	5 41.75	+14 23.3	1.386	2.227	17.2	20.7
11 17	5 35.12	+14 6.1	1.338	2.247	12.9	20.4
11 27	5 25.67	+13 55.5	1.311	2.267	8.1	20.2
12 7	5 14.56	+13 53.0	1.310	2.286	4.2	20.1
12 17	5 3.24	+13 59.6	1.335	2.306	5.4	20.2
12 27	4 53.25	+14 15.6	1.388	2.325	9.6	20.5
1 6	4 45.74	+14 40.6	1.466	2.344	13.7	20.8
1 16	4 41.32	+15 13.4	1.565	2.362	17.2	21.0

332414 2007 QW_{9} 12 10.5 42°.15 21°.8/10.7 17

11 7	5 39.05	−14 58.0	0.937	1.731	26.9	19.9
11 17	5 34.03	−17 3.5	0.907	1.738	24.7	19.7
11 27	5 25.39	−18 22.0	0.891	1.745	22.9	19.6
12 7	5 14.53	−18 40.9	0.889	1.753	21.9	19.6
12 17	5 3.30	−17 54.5	0.903	1.761	22.0	19.7
12 27	4 53.69	−16 7.3	0.934	1.770	23.2	19.8
1 6	4 47.15	−13 32.7	0.979	1.780	25.0	20.0
1 16	4 44.42	−10 27.2	1.039	1.789	27.0	20.2

124295 2001 QF_{56} 12 10.5 50°.81 0°.5/10.5 18 R

11 7	5 39.88	+21 42.3	1.342	2.191	17.1	19.3
11 17	5 34.10	+21 46.7	1.286	2.202	12.7	19.1
11 27	5 25.26	+21 50.3	1.251	2.213	7.5	18.9
12 7	5 14.50	+21 52.1	1.242	2.225	2.0	18.5
12 17	5 3.36	+21 52.3	1.259	2.237	3.7	18.7
12 27	4 53.51	+21 52.2	1.303	2.250	8.9	19.0
1 6	4 46.24	+21 54.2	1.371	2.262	13.6	19.3
1 16	4 42.27	+22 0.1	1.460	2.275	17.4	19.6

493262 2014 UO_{119} 12 10.5 0°.42 4°.1/11.0 18

11 7	5 38.11	+33 21.9	2.125	2.940	12.9	20.8
11 17	5 32.31	+34 9.5	2.048	2.940	10.0	20.6
11 27	5 24.06	+34 49.1	1.997	2.939	6.9	20.5
12 7	5 14.20	+35 17.0	1.972	2.939	4.4	20.3
12 17	5 3.81	+35 30.9	1.976	2.939	4.8	20.3
12 27	4 54.17	+35 31.2	2.009	2.940	7.5	20.5
1 6	4 46.37	+35 20.9	2.068	2.940	10.6	20.7
1 16	4 41.16	+35 4.0	2.151	2.941	13.4	20.9

305241 2007 XO_{31} 12 10.5 6°.57 1°.0/10.3 17

11 7	5 36.52	+21 17.4	1.550	2.397	15.4	20.8
11 17	5 31.40	+21 3.8	1.482	2.397	11.4	20.6
11 27	5 23.60	+20 48.9	1.436	2.398	6.8	20.3
12 7	5 14.07	+20 33.0	1.416	2.399	2.0	20.0
12 17	5 4.10	+20 17.4	1.423	2.400	3.5	20.1
12 27	4 55.13	+20 4.3	1.458	2.403	8.3	20.4
1 6	4 48.31	+19 55.8	1.517	2.405	12.7	20.7
1 16	4 44.37	+19 53.7	1.598	2.408	16.4	20.9

491509 2012 JO_{18} 12 10.5 231°.11 9°.5/ 6.6 17

11 7	5 32.81	− 7 29.0	2.578	3.334	12.5	21.7
11 17	5 27.68	− 8 56.5	2.511	3.328	11.1	21.6
11 27	5 21.01	−10 9.0	2.469	3.321	10.0	21.5
12 7	5 13.35	−11 1.5	2.451	3.315	9.5	21.5
12 17	5 5.41	−11 30.6	2.459	3.308	10.0	21.5
12 27	4 57.97	−11 35.1	2.492	3.301	11.2	21.6
1 6	4 51.70	−11 16.5	2.548	3.294	12.7	21.7
1 16	4 47.13	−10 37.9	2.623	3.286	14.2	21.8

80538 2000 AT_{78} 12 10.5 300°.65 0°.7/10.4 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
11 7	5 38.29	+22 23.1	1.378	2.229	16.7	19.5
11 17	5 33.32	+22 8.9	1.294	2.211	12.5	19.2
11 27	5 25.08	+21 51.6	1.231	2.194	7.6	18.9
12 7	5 14.54	+21 31.1	1.193	2.177	2.1	18.5
12 17	5 3.14	+21 8.6	1.181	2.159	3.9	18.6
12 27	4 52.65	+20 47.0	1.196	2.143	9.5	18.9
1 6	4 44.60	+20 29.7	1.235	2.126	14.7	19.1
1 16	4 39.96	+20 19.9	1.293	2.110	19.1	19.4

101942 1999 RP_{24} 12 10.5 97°.51 0°.2/10.5 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 42.52	+22 57.5	1.467	2.307	16.4	19.4
11 17	5 35.80	+22 54.4	1.410	2.321	12.2	19.2
11 27	5 26.15	+22 48.5	1.376	2.336	7.2	19.0
12 7	5 14.72	+22 39.1	1.367	2.351	1.9	18.7
12 17	5 3.00	+22 26.6	1.387	2.365	3.5	18.8
12 27	4 52.58	+22 13.2	1.434	2.379	8.5	19.1
1 6	4 44.67	+22 2.2	1.507	2.392	12.9	19.4
1 16	4 39.95	+21 55.8	1.601	2.405	16.6	19.7

366562 2002 RW_{188} 12 10.5 68°.55 0°.3/10.6 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 36.13	+24 8.7	2.212	3.040	12.0	21.2
11 17	5 30.31	+24 7.9	2.152	3.057	8.9	21.0
11 27	5 22.59	+24 4.2	2.117	3.075	5.3	20.8
12 7	5 13.75	+23 57.1	2.110	3.093	1.4	20.6
12 17	5 4.73	+23 47.0	2.133	3.111	2.5	20.7
12 27	4 56.52	+23 35.4	2.186	3.129	6.2	21.0
1 6	4 49.93	+23 24.2	2.267	3.146	9.4	21.2
1 16	4 45.49	+23 15.2	2.371	3.164	12.2	21.4

272300 2005 SS_{27} 12 10.5 250°.46 0°.9/10.3 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 39.61	+22 31.1	1.620	2.459	15.2	20.3
11 17	5 33.71	+22 2.0	1.540	2.451	11.3	20.1
11 27	5 25.01	+21 28.8	1.483	2.443	6.8	19.8
12 7	5 14.48	+20 52.2	1.452	2.435	2.0	19.5
12 17	5 3.40	+20 14.2	1.450	2.427	3.6	19.6
12 27	4 53.26	+19 38.4	1.475	2.418	8.5	19.8
1 6	4 45.30	+19 8.3	1.527	2.409	13.0	20.1
1 16	4 40.30	+18 46.8	1.600	2.400	16.8	20.3

304201 2006 QN_{106} 12 10.5 99°.31 0°.7/10.4 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 38.51	+21 56.2	1.909	2.741	13.5	21.3
11 17	5 32.30	+21 42.8	1.846	2.754	10.0	21.1
11 27	5 23.88	+21 27.5	1.807	2.767	5.9	20.9
12 7	5 14.13	+21 10.5	1.796	2.779	1.6	20.6
12 17	5 4.14	+20 52.8	1.815	2.792	3.0	20.7
12 27	4 55.08	+20 36.4	1.862	2.804	7.1	21.0
1 6	4 47.90	+20 23.3	1.937	2.816	10.8	21.3
1 16	4 43.19	+20 15.2	2.035	2.828	13.9	21.5

514898 2008 SH_{10} 12 10.5 95°.44 4°.0/11.7 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 40.70	+36 54.7	2.650	3.441	11.3	21.6
11 17	5 33.54	+37 19.7	2.594	3.468	8.8	21.5
11 27	5 24.46	+37 34.1	2.563	3.494	6.3	21.3
12 7	5 14.26	+37 35.6	2.561	3.520	4.3	21.3
12 17	5 3.92	+37 23.6	2.588	3.545	4.4	21.3
12 27	4 54.45	+36 59.8	2.646	3.570	6.3	21.5
1 6	4 46.68	+36 27.6	2.732	3.594	8.7	21.7
1 16	4 41.13	+35 51.2	2.843	3.618	10.9	21.8

166295 2002 JL_{1} 12 10.5 103°.84 4°.7/10.2 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 39.89	+ 8 28.0	2.067	2.878	13.4	20.1
11 17	5 32.96	+ 8 20.4	2.015	2.903	10.3	20.0
11 27	5 24.12	+ 8 22.3	1.987	2.927	7.1	19.8
12 7	5 14.17	+ 8 34.8	1.988	2.951	4.9	19.8
12 17	5 4.09	+ 8 58.2	2.018	2.974	5.4	19.8
12 27	4 54.89	+ 9 31.8	2.077	2.996	8.1	20.0
1 6	4 47.38	+10 14.2	2.164	3.018	11.0	20.3
1 16	4 42.08	+11 3.1	2.275	3.039	13.5	20.5

188816 2005 XU_{24} 12 10.5 159°.76 1°.0/10.3 17

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 35.70	+19 59.5	2.332	3.159	11.5	20.3
11 17	5 30.02	+19 56.3	2.256	3.162	8.5	20.2
11 27	5 22.48	+19 53.1	2.206	3.164	5.1	19.9
12 7	5 13.77	+19 50.2	2.183	3.166	1.6	19.7
12 17	5 4.76	+19 47.9	2.191	3.168	2.7	19.8
12 27	4 56.38	+19 47.0	2.230	3.169	6.3	20.0
1 6	4 49.46	+19 48.7	2.296	3.171	9.5	20.2
1 16	4 44.57	+19 53.9	2.386	3.172	12.3	20.4

240375 2003 SO_{250} 12 10.5 40°.19 4°.9/ 9.6 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 37.19	+14 34.5	1.303	2.156	17.4	19.6
11 17	5 31.81	+13 36.4	1.262	2.176	13.0	19.4
11 27	5 23.71	+12 44.2	1.241	2.197	8.4	19.2
12 7	5 14.08	+12 2.0	1.245	2.220	5.1	19.0
12 17	5 4.35	+11 33.4	1.276	2.242	6.3	19.2
12 27	4 55.96	+11 20.6	1.332	2.266	10.2	19.5
1 6	4 49.97	+11 23.4	1.411	2.289	14.1	19.7
1 16	4 46.95	+11 40.0	1.511	2.314	17.5	20.0

271543 2004 JW_{14} 12 10.5 239°.63 0°.7/10.5 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
11 7	5 40.58	+20 15.7	1.667	2.502	15.0	20.9
11 17	5 34.45	+20 30.5	1.585	2.494	11.2	20.7
11 27	5 25.52	+20 46.7	1.527	2.486	6.7	20.4
12 7	5 14.65	+21 3.2	1.495	2.478	1.9	20.1
12 17	5 3.10	+21 19.1	1.492	2.469	3.4	20.2
12 27	4 52.36	+21 34.6	1.518	2.461	8.3	20.4
1 6	4 43.72	+21 50.9	1.569	2.451	12.7	20.7
1 16	4 38.02	+22 9.3	1.643	2.442	16.5	20.9

26954 Skadiang 12 10.5 242°.63 2°.3/10.2 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 40.06	+16 50.9	1.839	2.669	14.1	19.0
11 17	5 33.85	+16 45.4	1.749	2.654	10.6	18.7
11 27	5 25.08	+16 42.8	1.683	2.639	6.6	18.4
12 7	5 14.53	+16 43.7	1.643	2.623	2.8	18.2
12 17	5 3.31	+16 48.7	1.634	2.607	4.0	18.2
12 27	4 52.75	+16 58.6	1.653	2.590	8.2	18.4
1 6	4 44.03	+17 14.1	1.699	2.573	12.4	18.6
1 16	4 37.95	+17 35.7	1.767	2.555	15.9	18.8

149400 2003 AB_{50} 12 10.5 274°.38 1°.4/10.8 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 40.32	+26 23.8	1.614	2.451	15.4	20.2
11 17	5 34.55	+26 32.0	1.525	2.434	11.6	20.0
11 27	5 25.72	+26 34.9	1.458	2.417	7.1	19.7
12 7	5 14.73	+26 30.4	1.417	2.399	2.4	19.3
12 17	5 2.93	+26 17.5	1.404	2.382	3.6	19.4
12 27	4 51.94	+25 58.1	1.419	2.364	8.6	19.6
1 6	4 43.20	+25 36.0	1.460	2.346	13.2	19.8
1 16	4 37.65	+25 15.6	1.522	2.328	17.2	20.1

235869 2005 AH_{82} 12 10.5 214°.02 3°.4/ 9.9 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 37.30	+14 6.4	1.953	2.782	13.4	20.9
11 17	5 31.49	+13 44.4	1.875	2.778	10.1	20.6
11 27	5 23.49	+13 26.7	1.822	2.774	6.6	20.4
12 7	5 14.07	+13 15.1	1.795	2.770	3.7	20.2
12 17	5 4.24	+13 10.9	1.798	2.765	4.6	20.3
12 27	4 55.11	+13 15.4	1.829	2.760	8.1	20.5
1 6	4 47.67	+13 28.8	1.887	2.755	11.6	20.7
1 16	4 42.58	+13 50.6	1.968	2.750	14.7	20.9

506028 2015 HO_{171} 12 10.5 67°.51 1°.6/11.9 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 24.88	+37 12.4	7.523	8.305	4.4	21.2
11 17	5 21.15	+37 5.1	7.451	8.319	3.4	21.1
11 27	5 16.86	+36 53.6	7.406	8.333	2.5	21.0
12 7	5 12.25	+36 38.0	7.390	8.347	1.7	21.0
12 17	5 7.60	+36 18.3	7.405	8.361	1.7	21.0
12 27	5 3.17	+35 55.0	7.452	8.375	2.5	21.0
1 6	4 59.22	+35 29.0	7.529	8.389	3.4	21.1
1 16	4 55.96	+35 1.3	7.634	8.403	4.4	21.2

37988 1998 HB_{153} 12 10.5 215°.63 7°.5/ 9.6 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 37.08	+ 2 49.2	1.911	2.718	14.5	19.2
11 17	5 31.31	+ 2 13.4	1.838	2.714	11.8	19.0
11 27	5 23.37	+ 1 51.4	1.788	2.710	9.2	18.8
12 7	5 14.05	+ 1 46.8	1.764	2.706	7.6	18.7
12 17	5 4.31	+ 2 2.0	1.767	2.701	8.2	18.8
12 27	4 55.27	+ 2 37.0	1.798	2.696	10.4	18.9
1 6	4 47.89	+ 3 29.3	1.853	2.691	13.2	19.1
1 16	4 42.82	+ 4 35.2	1.931	2.686	15.9	19.2

190261 2007 JV_{44} 12 10.5 90°.90 1°.0/10.3 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 35.26	+20 5.2	2.250	3.080	11.8	20.4
11 17	5 29.73	+19 59.7	2.178	3.085	8.7	20.2
11 27	5 22.32	+19 54.1	2.132	3.090	5.2	20.0
12 7	5 13.75	+19 48.7	2.113	3.096	1.6	19.8
12 17	5 4.89	+19 44.1	2.125	3.101	2.8	19.9
12 27	4 56.71	+19 41.2	2.166	3.106	6.4	20.1
1 6	4 50.04	+19 41.2	2.235	3.112	9.7	20.3
1 16	4 45.43	+19 45.1	2.328	3.117	12.5	20.5

49228 1998 SK_{137} 12 10.5 187°.52 0°.8/10.4 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 38.38	+20 17.3	2.024	2.853	13.0	19.2
11 17	5 32.29	+20 22.4	1.946	2.853	9.6	19.0
11 27	5 23.98	+20 27.7	1.893	2.852	5.8	18.7
12 7	5 14.22	+20 33.0	1.868	2.851	1.7	18.4
12 17	5 4.04	+20 38.1	1.873	2.850	3.0	18.5
12 27	4 54.59	+20 43.7	1.908	2.849	7.0	18.8
1 6	4 46.85	+20 51.1	1.969	2.847	10.7	19.0
1 16	4 41.51	+21 1.3	2.055	2.845	13.9	19.2

280442 2004 BA_{86} 12 10.5 35°.86 20°.6/14.6 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 37.40	−19 19.8	1.110	1.868	25.6	19.0
11 17	5 32.24	−20 47.7	1.091	1.887	23.6	18.9
11 27	5 24.06	−21 28.0	1.085	1.907	21.9	18.8
12 7	5 14.20	−21 12.2	1.094	1.928	20.8	18.8
12 17	5 4.28	−19 59.0	1.119	1.950	20.6	18.9
12 27	4 55.90	−17 54.5	1.162	1.973	21.2	19.0
1 6	4 50.22	−15 11.6	1.221	1.996	22.4	19.2
1 16	4 47.78	−12 4.8	1.297	2.021	23.8	19.4

303586 2005 GZ_{148} 12 10.5 80°.98 0°.1/10.5 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
11 7	5 39.06	+22 14.0	1.806	2.640	14.1	20.3
11 17	5 32.95	+22 32.6	1.741	2.650	10.4	20.1
11 27	5 24.41	+22 50.3	1.700	2.660	6.2	19.9
12 7	5 14.33	+23 6.0	1.687	2.670	1.6	19.6
12 17	5 3.89	+23 18.6	1.702	2.680	3.0	19.7
12 27	4 54.37	+23 28.8	1.746	2.690	7.3	20.0
1 6	4 46.83	+23 38.0	1.817	2.700	11.2	20.2
1 16	4 41.93	+23 48.0	1.911	2.710	14.5	20.5

517008 2012 TA_{261} 12 10.5 7°.31 0°.8/10.6 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 39.00	+22 50.5	1.355	2.205	16.9	20.5
11 17	5 33.75	+23 25.8	1.289	2.206	12.6	20.2
11 27	5 25.28	+24 1.2	1.245	2.207	7.6	19.9
12 7	5 14.63	+24 33.7	1.225	2.208	2.2	19.6
12 17	5 3.32	+25 1.0	1.232	2.210	3.7	19.7
12 27	4 53.11	+25 22.8	1.265	2.213	9.0	20.0
1 6	4 45.44	+25 40.7	1.323	2.216	13.8	20.3
1 16	4 41.19	+25 57.2	1.401	2.220	17.8	20.6

389626 2011 JV_{25} 12 10.5 85°.94 2°.6/10.3 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 40.30	+15 52.3	1.603	2.439	15.5	20.8
11 17	5 33.94	+15 57.5	1.545	2.453	11.5	20.6
11 27	5 25.01	+16 7.7	1.511	2.468	7.1	20.4
12 7	5 14.49	+16 23.0	1.502	2.482	3.1	20.2
12 17	5 3.66	+16 43.1	1.523	2.496	4.2	20.3
12 27	4 53.89	+17 8.0	1.571	2.511	8.4	20.6
1 6	4 46.28	+17 37.3	1.645	2.524	12.4	20.8
1 16	4 41.49	+18 10.8	1.742	2.538	15.8	21.1

410632 2008 RA_{30} 12 10.5 46°.30 0°.4/10.5 17

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 35.57	+22 18.5	1.986	2.821	12.9	21.2
11 17	5 30.13	+22 12.3	1.925	2.834	9.5	21.0
11 27	5 22.61	+22 4.3	1.888	2.848	5.6	20.8
12 7	5 13.86	+21 54.5	1.879	2.862	1.5	20.6
12 17	5 4.88	+21 43.7	1.899	2.876	2.8	20.7
12 27	4 56.75	+21 33.4	1.948	2.891	6.7	21.0
1 6	4 50.35	+21 25.3	2.024	2.906	10.3	21.2
1 16	4 46.26	+21 20.9	2.123	2.921	13.3	21.4

401363 2013 BZ_{39} 12 10.5 210°.63 3°.5/10.0 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 37.10	+13 14.4	2.002	2.829	13.2	21.5
11 17	5 31.32	+12 58.6	1.925	2.826	10.0	21.3
11 27	5 23.40	+12 48.2	1.871	2.823	6.5	21.1
12 7	5 14.10	+12 44.7	1.845	2.819	3.8	20.9
12 17	5 4.40	+12 49.0	1.849	2.815	4.6	21.0
12 27	4 55.37	+13 2.0	1.881	2.811	7.9	21.2
1 6	4 47.98	+13 23.4	1.940	2.807	11.4	21.4
1 16	4 42.87	+13 52.6	2.022	2.802	14.4	21.6

431762 2008 HP_{12} 12 10.5 200°.61 1°.1/10.3 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 40.90	+20 55.7	1.851	2.680	14.0	22.0
11 17	5 34.35	+20 41.6	1.770	2.677	10.4	21.7
11 27	5 25.31	+20 26.1	1.714	2.673	6.3	21.5
12 7	5 14.62	+20 9.3	1.686	2.668	1.9	21.2
12 17	5 3.46	+19 52.3	1.687	2.663	3.3	21.3
12 27	4 53.14	+19 36.9	1.717	2.657	7.7	21.5
1 6	4 44.76	+19 25.5	1.774	2.651	11.8	21.8
1 16	4 39.05	+19 19.9	1.854	2.644	15.2	22.0

154603 2003 QV_{25} 12 10.5 23°.85 3°.8/ 9.7 17

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 30.88	+11 27.7	2.409	3.236	11.2	19.1
11 17	5 26.34	+10 57.1	2.346	3.245	8.6	18.9
11 27	5 20.25	+10 32.0	2.308	3.255	5.8	18.7
12 7	5 13.23	+10 14.2	2.298	3.265	3.9	18.6
12 17	5 6.03	+10 5.3	2.316	3.275	4.6	18.7
12 27	4 59.42	+10 6.2	2.364	3.286	7.0	18.9
1 6	4 54.07	+10 16.6	2.438	3.298	9.6	19.1
1 16	4 50.46	+10 35.7	2.536	3.310	12.0	19.2

354385 2003 SR_{184} 12 10.6 237°.63 17°.6/ 5.3 17

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 39.43	−10 7.0	1.279	2.063	21.5	20.7
11 17	5 33.91	−12 40.9	1.229	2.058	19.5	20.5
11 27	5 25.31	−14 46.3	1.197	2.052	18.1	20.4
12 7	5 14.66	−16 10.0	1.185	2.046	17.7	20.3
12 17	5 3.43	−16 43.3	1.192	2.040	18.5	20.4
12 27	4 53.26	−16 24.6	1.218	2.033	20.2	20.5
1 6	4 45.51	−15 20.0	1.261	2.026	22.3	20.6
1 16	4 41.03	−13 39.6	1.318	2.019	24.4	20.8

420942 2013 OK_{11} 12 10.6 318°.13 2°.7/11.8 16

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 40.94	+35 0.6	2.143	2.950	13.1	20.1
11 17	5 34.11	+34 12.2	2.056	2.945	10.1	19.9
11 27	5 24.99	+33 8.8	1.995	2.941	6.6	19.6
12 7	5 14.52	+31 50.0	1.962	2.937	3.4	19.4
12 17	5 3.86	+30 18.4	1.960	2.933	3.5	19.4
12 27	4 54.23	+28 39.2	1.988	2.929	6.8	19.6
1 6	4 46.58	+26 59.3	2.046	2.925	10.3	19.8
1 16	4 41.50	+25 24.8	2.129	2.922	13.4	20.0

515610 2014 KA_{17} 12 10.6 134°.97 1°.5/10.3 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
11 7	5 38.10	+18 46.0	2.181	3.006	12.3	22.2
11 17	5 31.83	+18 37.1	2.113	3.017	9.1	22.0
11 27	5 23.59	+18 29.0	2.070	3.027	5.5	21.8
12 7	5 14.16	+18 22.1	2.056	3.037	2.0	21.6
12 17	5 4.48	+18 17.0	2.072	3.046	3.1	21.7
12 27	4 55.55	+18 14.8	2.118	3.055	6.7	22.0
1 6	4 48.24	+18 16.6	2.191	3.064	10.0	22.2
1 16	4 43.10	+18 23.0	2.289	3.072	12.9	22.4

200178 1999 JD_{67} 12 10.6 163°.75 0°.2/10.6 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 41.01	+23 0.1	2.159	2.979	12.6	20.8
11 17	5 34.12	+23 13.0	2.084	2.986	9.3	20.6
11 27	5 25.04	+23 24.0	2.034	2.991	5.6	20.4
12 7	5 14.57	+23 32.1	2.013	2.996	1.5	20.1
12 17	5 3.73	+23 36.7	2.023	3.000	2.7	20.2
12 27	4 53.65	+23 38.7	2.063	3.004	6.6	20.5
1 6	4 45.30	+23 39.5	2.132	3.006	10.2	20.7
1 16	4 39.32	+23 41.4	2.224	3.009	13.2	20.9

317373 2002 NE_{66} 12 10.6 146°.87 0°.3/10.5 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 35.46	+21 57.3	2.897	3.715	9.8	22.3
11 17	5 29.53	+21 55.8	2.823	3.724	7.2	22.1
11 27	5 22.10	+21 52.9	2.777	3.734	4.3	22.0
12 7	5 13.76	+21 48.7	2.759	3.743	1.2	21.7
12 17	5 5.21	+21 43.4	2.774	3.751	2.1	21.8
12 27	4 57.22	+21 37.8	2.820	3.759	5.1	22.1
1 6	4 50.43	+21 33.2	2.894	3.766	7.9	22.2
1 16	4 45.33	+21 30.7	2.995	3.773	10.3	22.4

301715 2010 GD_{99} 12 10.6 149°.28 0°.9/10.7 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 40.33	+24 50.0	1.970	2.797	13.4	21.3
11 17	5 33.83	+25 5.3	1.898	2.803	9.9	21.1
11 27	5 24.95	+25 17.3	1.851	2.808	6.0	20.8
12 7	5 14.56	+25 24.6	1.831	2.814	1.8	20.6
12 17	5 3.78	+25 26.4	1.841	2.819	2.9	20.7
12 27	4 53.84	+25 23.7	1.881	2.823	7.0	20.9
1 6	4 45.80	+25 18.9	1.948	2.827	10.8	21.2
1 16	4 40.32	+25 14.6	2.038	2.831	13.9	21.4

86504 2000 DG_{41} 12 10.6 210°.52 4°.9/ 9.8 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 38.75	+11 52.4	1.647	2.479	15.3	20.3
11 17	5 32.91	+11 18.6	1.574	2.477	11.7	20.1
11 27	5 24.52	+10 51.7	1.525	2.474	7.9	19.8
12 7	5 14.47	+10 34.5	1.501	2.471	5.1	19.7
12 17	5 3.95	+10 29.5	1.505	2.468	6.1	19.7
12 27	4 54.29	+10 37.7	1.537	2.465	9.6	19.9
1 6	4 46.61	+10 58.9	1.594	2.461	13.4	20.1
1 16	4 41.66	+11 31.6	1.672	2.457	16.8	20.4

423365 2005 JY_{37} 12 10.6 154°.52 0°.7/10.5 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 42.92	+20 47.8	1.978	2.800	13.5	22.1
11 17	5 35.61	+20 52.7	1.908	2.811	10.0	21.9
11 27	5 25.96	+20 57.3	1.863	2.820	6.0	21.7
12 7	5 14.85	+21 0.7	1.846	2.829	1.7	21.4
12 17	5 3.39	+21 2.8	1.860	2.837	3.0	21.5
12 27	4 52.82	+21 4.6	1.904	2.843	7.2	21.8
1 6	4 44.15	+21 7.6	1.976	2.849	10.9	22.0
1 16	4 38.05	+21 13.4	2.071	2.854	14.1	22.3

477380 2009 VF_{4} 12 10.6 37°.09 2°.3/10.9 16

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 40.48	+27 19.3	1.119	1.977	19.2	20.8
11 17	5 35.09	+27 35.4	1.074	1.993	14.3	20.6
11 27	5 26.10	+27 43.6	1.049	2.010	8.8	20.3
12 7	5 14.92	+27 41.1	1.046	2.028	3.3	20.1
12 17	5 3.43	+27 27.7	1.069	2.047	4.3	20.2
12 27	4 53.64	+27 6.7	1.117	2.067	9.7	20.5
1 6	4 46.95	+26 43.3	1.188	2.087	14.5	20.9
1 16	4 44.03	+26 22.4	1.278	2.108	18.5	21.2

192622 1999 JW_{26} 12 10.6 286°.09 4°.4/ 9.3 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 37.82	+15 45.2	1.619	2.459	15.2	19.8
11 17	5 32.51	+14 39.3	1.527	2.436	11.6	19.6
11 27	5 24.48	+13 32.7	1.459	2.414	7.6	19.3
12 7	5 14.55	+12 29.4	1.417	2.391	4.6	19.0
12 17	5 3.92	+11 34.3	1.402	2.368	6.0	19.1
12 27	4 54.00	+10 51.9	1.415	2.345	10.1	19.3
1 6	4 46.06	+10 25.4	1.453	2.322	14.4	19.5
1 16	4 40.94	+10 15.4	1.511	2.299	18.2	19.6

136774 1996 TC_{12} 12 10.6 75°.89 0°.2/10.5 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 37.64	+22 44.4	1.900	2.734	13.5	20.8
11 17	5 31.83	+22 40.6	1.834	2.742	10.0	20.6
11 27	5 23.76	+22 34.6	1.791	2.751	5.9	20.3
12 7	5 14.29	+22 26.2	1.776	2.759	1.6	20.1
12 17	5 4.51	+22 15.8	1.790	2.768	2.9	20.2
12 27	4 55.61	+22 5.0	1.833	2.777	7.1	20.5
1 6	4 48.56	+21 55.9	1.903	2.785	10.8	20.7
1 16	4 43.99	+21 50.4	1.996	2.794	14.0	20.9

226981 2004 XJ_{27} 12 10.6 308.°92 1.°0/10.7 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
11 7	5 36.54	+24 18.2	1.971	2.805	13.1	20.1
11 17	5 31.39	+24 46.6	1.874	2.782	9.8	19.8
11 27	5 23.76	+25 14.1	1.801	2.759	6.0	19.6
12 7	5 14.37	+25 38.6	1.755	2.737	1.9	19.2
12 17	5 4.22	+25 58.5	1.738	2.715	3.0	19.3
12 27	4 54.60	+26 13.6	1.750	2.693	7.3	19.5
1 6	4 46.66	+26 25.2	1.788	2.672	11.3	19.7
1 16	4 41.26	+26 35.3	1.850	2.651	14.8	19.9

510566 2012 PK_{37} 12 10.6 66.°44 3.°4/10.2 18

11 7	5 39.97	+15 29.5	1.423	2.266	16.7	20.8
11 17	5 33.90	+15 11.1	1.372	2.283	12.5	20.6
11 27	5 25.09	+14 58.0	1.343	2.300	7.8	20.4
12 7	5 14.64	+14 51.5	1.339	2.318	3.8	20.2
12 17	5 3.96	+14 52.8	1.363	2.335	5.0	20.3
12 27	4 54.51	+15 2.8	1.414	2.353	9.2	20.6
1 6	4 47.41	+15 21.5	1.489	2.370	13.4	20.9
1 16	4 43.31	+15 47.9	1.586	2.388	16.8	21.2

69328 1993 FY_{80} 12 10.6 70.°27 0.°8/10.5 18

11 7	5 38.75	+21 18.2	1.666	2.504	14.8	19.5
11 17	5 32.91	+21 13.7	1.601	2.512	11.0	19.3
11 27	5 24.50	+21 8.3	1.560	2.520	6.5	19.1
12 7	5 14.51	+21 1.8	1.545	2.528	1.9	18.8
12 17	5 4.15	+20 54.9	1.559	2.536	3.3	18.9
12 27	4 54.80	+20 49.0	1.601	2.545	7.8	19.2
1 6	4 47.53	+20 46.0	1.668	2.553	12.0	19.5
1 16	4 43.03	+20 47.6	1.758	2.561	15.4	19.7

195651 2002 NR_{58} 12 10.6 42.°75 5.°1/ 9.7 18

11 7	5 34.19	+ 9 32.3	1.932	2.760	13.5	19.7
11 17	5 29.06	+ 8 58.4	1.877	2.774	10.4	19.5
11 27	5 22.01	+ 8 33.0	1.845	2.788	7.3	19.4
12 7	5 13.81	+ 8 18.6	1.840	2.803	5.2	19.3
12 17	5 5.42	+ 8 17.0	1.863	2.819	5.9	19.4
12 27	4 57.83	+ 8 28.5	1.914	2.834	8.5	19.6
1 6	4 51.86	+ 8 52.3	1.990	2.850	11.5	19.8
1 16	4 48.04	+ 9 26.4	2.089	2.866	14.2	20.0

223918 2004 VU_{91} 12 10.6 66.°76 0.°7/10.5 18

11 7	5 36.21	+20 44.7	2.078	2.910	12.6	20.2
11 17	5 30.63	+20 45.5	2.010	2.918	9.3	20.0
11 27	5 23.00	+20 46.2	1.966	2.925	5.5	19.7
12 7	5 14.09	+20 46.4	1.950	2.933	1.6	19.5
12 17	5 4.89	+20 46.6	1.963	2.940	2.8	19.6
12 27	4 56.44	+20 47.5	2.006	2.948	6.7	19.9
1 6	4 49.63	+20 50.5	2.076	2.956	10.2	20.1
1 16	4 45.06	+20 56.6	2.170	2.964	13.1	20.3

44025 1997 XY_{11} 12 10.6 63.°11 1.°8/10.4 18

11 7	5 37.55	+17 46.3	1.807	2.643	14.0	18.6
11 17	5 31.82	+17 49.0	1.742	2.651	10.4	18.4
11 27	5 23.79	+17 54.4	1.701	2.660	6.3	18.2
12 7	5 14.32	+18 2.6	1.688	2.669	2.4	17.9
12 17	5 4.50	+18 13.7	1.702	2.678	3.5	18.0
12 27	4 55.55	+18 28.0	1.746	2.687	7.6	18.3
1 6	4 48.47	+18 46.0	1.816	2.696	11.4	18.5
1 16	4 43.90	+19 8.0	1.909	2.705	14.6	18.8

355014 2006 QX_{87} 12 10.6 43.°17 8.°5/ 9.4 18

11 7	5 35.52	+ 2 52.5	1.632	2.452	16.0	20.7
11 17	5 30.34	+ 1 56.7	1.579	2.461	13.0	20.5
11 27	5 22.89	+ 1 16.5	1.548	2.471	10.2	20.4
12 7	5 14.07	+ 0 56.8	1.541	2.481	8.6	20.3
12 17	5 4.98	+ 1 0.2	1.560	2.492	9.2	20.4
12 27	4 56.82	+ 1 26.8	1.604	2.503	11.4	20.5
1 6	4 50.55	+ 2 13.6	1.672	2.514	14.2	20.7
1 16	4 46.75	+ 3 15.9	1.761	2.526	16.9	20.9

107324 2001 CM_{14} 12 10.6 226.°60 1.°8/10.4 18

11 7	5 41.05	+18 20.2	1.624	2.459	15.3	20.4
11 17	5 34.86	+18 20.3	1.544	2.453	11.5	20.1
11 27	5 25.86	+18 22.7	1.487	2.446	7.0	19.8
12 7	5 14.93	+18 27.6	1.457	2.438	2.5	19.5
12 17	5 3.36	+18 34.9	1.455	2.431	3.9	19.6
12 27	4 52.63	+18 45.4	1.481	2.422	8.6	19.9
1 6	4 44.02	+19 0.1	1.533	2.414	13.1	20.1
1 16	4 38.38	+19 19.8	1.607	2.405	16.8	20.3

100398 1995 YA_{7} 12 10.6 213.°53 1.°3/10.3 18

11 7	5 40.73	+20 21.8	1.842	2.671	14.0	20.9
11 17	5 34.32	+20 8.2	1.759	2.665	10.5	20.6
11 27	5 25.39	+19 53.8	1.700	2.658	6.3	20.4
12 7	5 14.78	+19 38.7	1.669	2.651	2.0	20.1
12 17	5 3.65	+19 24.0	1.667	2.643	3.4	20.2
12 27	4 53.31	+19 11.4	1.694	2.634	7.8	20.4
1 6	4 44.89	+19 3.1	1.748	2.625	11.9	20.6
1 16	4 39.14	+19 0.7	1.825	2.615	15.4	20.8

309003 2006 UL_{51} 12 10.6 246.°65 0.°3/10.6 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
11 7	5 37.99	+23 37.1	1.923	2.755	13.4	21.2
11 17	5 32.23	+23 45.1	1.846	2.753	10.0	21.0
11 27	5 24.10	+23 50.8	1.793	2.752	6.0	20.7
12 7	5 14.43	+23 53.1	1.767	2.750	1.7	20.4
12 17	5 4.29	+23 51.9	1.770	2.748	2.9	20.5
12 27	4 54.94	+23 48.2	1.802	2.746	7.1	20.8
1 6	4 47.41	+23 44.0	1.861	2.744	11.0	21.0
1 16	4 42.41	+23 41.5	1.943	2.742	14.3	21.2

128375 2004 JO_{27} 12 10.6 128.°95 0.°6/10.6 18

11 7	5 42.82	+23 33.1	1.862	2.687	14.1	20.6
11 17	5 35.70	+23 53.6	1.797	2.701	10.4	20.4
11 27	5 26.10	+24 11.9	1.757	2.715	6.2	20.2
12 7	5 14.94	+24 26.1	1.745	2.728	1.8	19.9
12 17	5 3.44	+24 35.4	1.763	2.741	3.0	20.0
12 27	4 52.92	+24 40.5	1.811	2.752	7.3	20.3
1 6	4 44.45	+24 43.4	1.885	2.764	11.1	20.6
1 16	4 38.70	+24 46.5	1.983	2.774	14.3	20.8

75508 1999 XV_{196} 12 10.6 53.°55 1.°3/10.6 18

11 7	5 40.89	+23 27.4	1.651	2.487	15.1	19.0
11 17	5 34.72	+24 17.5	1.585	2.493	11.2	18.8
11 27	5 25.73	+25 7.5	1.541	2.500	6.8	18.5
12 7	5 14.89	+25 53.6	1.525	2.508	2.2	18.3
12 17	5 3.49	+26 33.1	1.538	2.515	3.4	18.4
12 27	4 53.04	+27 5.1	1.579	2.522	8.0	18.7
1 6	4 44.79	+27 30.6	1.646	2.530	12.1	18.9
1 16	4 39.53	+27 52.3	1.735	2.538	15.6	19.2

76760 2000 KY_{12} 12 10.6 320.°22 5.°8/10.1 18

11 7	5 34.27	+ 5 44.0	2.034	2.851	13.4	18.6
11 17	5 29.31	+ 5 34.9	1.950	2.837	10.7	18.4
11 27	5 22.32	+ 5 37.7	1.890	2.824	7.9	18.2
12 7	5 13.96	+ 5 54.9	1.855	2.811	6.0	18.1
12 17	5 5.12	+ 6 27.4	1.849	2.799	6.5	18.1
12 27	4 56.82	+ 7 14.9	1.871	2.787	9.0	18.2
1 6	4 49.99	+ 8 15.0	1.918	2.775	12.0	18.4
1 16	4 45.29	+ 9 24.8	1.989	2.764	14.9	18.5

460753 2014 VQ_{27} 12 10.6 24.°03 3.°0/11.4 16

11 7	5 37.27	+32 25.4	2.074	2.894	13.0	21.2
11 17	5 31.60	+32 26.4	2.000	2.897	9.9	21.0
11 27	5 23.65	+32 17.7	1.951	2.900	6.5	20.8
12 7	5 14.29	+31 57.7	1.929	2.903	3.5	20.6
12 17	5 4.61	+31 26.4	1.935	2.907	3.7	20.6
12 27	4 55.81	+30 46.4	1.971	2.911	6.9	20.8
1 6	4 48.87	+30 1.9	2.033	2.915	10.3	21.0
1 16	4 44.42	+29 17.3	2.120	2.919	13.2	21.2

148179 2000 AY_{79} 12 10.6 15.°81 0.°5/10.7 18

11 7	5 35.78	+25 53.8	0.964	1.838	20.2	19.0
11 17	5 32.04	+25 27.6	0.915	1.844	15.0	18.8
11 27	5 24.48	+24 52.5	0.885	1.851	9.0	18.5
12 7	5 14.56	+24 9.2	0.877	1.860	2.5	18.1
12 17	5 4.23	+23 21.1	0.891	1.871	4.2	18.3
12 27	4 55.59	+22 34.1	0.930	1.883	10.4	18.7
1 6	4 50.14	+21 54.2	0.989	1.897	15.8	19.0
1 16	4 48.56	+21 25.1	1.067	1.912	20.3	19.4

71484 2000 BE_{34} 12 10.6 22.°17 4.°5/10.0 18

11 7	5 34.43	+10 11.5	1.953	2.781	13.4	18.8
11 17	5 29.36	+ 9 56.3	1.886	2.785	10.3	18.6
11 27	5 22.27	+ 9 49.4	1.843	2.789	7.1	18.4
12 7	5 13.92	+ 9 52.7	1.826	2.794	4.7	18.2
12 17	5 5.26	+10 7.1	1.838	2.799	5.4	18.3
12 27	4 57.30	+10 32.8	1.878	2.804	8.3	18.5
1 6	4 50.95	+11 8.4	1.944	2.810	11.4	18.7
1 16	4 46.78	+11 52.3	2.032	2.815	14.3	18.9

327512 Bíró 12 10.6 250.°39 0.°9/10.4 18

11 7	5 35.75	+20 11.0	2.346	3.173	11.5	21.9
11 17	5 30.23	+20 11.0	2.259	3.164	8.5	21.7
11 27	5 22.78	+20 11.2	2.196	3.155	5.1	21.4
12 7	5 14.07	+20 11.5	2.163	3.145	1.6	21.2
12 17	5 4.95	+20 12.0	2.159	3.136	2.7	21.2
12 27	4 56.37	+20 13.6	2.186	3.126	6.3	21.5
1 6	4 49.20	+20 17.4	2.240	3.116	9.7	21.7
1 16	4 44.06	+20 24.3	2.318	3.106	12.6	21.8

216939 1999 SQ_{13} 12 10.6 104.°07 1.°0/10.4 18

11 7	5 43.61	+21 13.4	1.595	2.428	15.7	20.9
11 17	5 36.36	+21 0.3	1.541	2.449	11.6	20.7
11 27	5 26.47	+20 45.8	1.511	2.471	6.9	20.5
12 7	5 15.03	+20 30.0	1.508	2.491	2.0	20.2
12 17	5 3.42	+20 14.0	1.534	2.511	3.5	20.4
12 27	4 53.07	+19 59.9	1.588	2.530	8.1	20.7
1 6	4 45.07	+19 50.1	1.669	2.549	12.2	21.0
1 16	4 40.02	+19 46.4	1.772	2.567	15.6	21.2

185382 2006 VY_{154} 12 10.6 55°.93 2°.8/10.2 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
11 7	5 37.02	+15 32.6	1.783	2.619	14.2	20.2
11 17	5 31.44	+15 25.6	1.719	2.626	10.6	19.9
11 27	5 23.58	+15 23.1	1.678	2.634	6.6	19.7
12 7	5 14.29	+15 26.0	1.663	2.642	3.2	19.5
12 17	5 4.66	+15 34.6	1.677	2.650	4.2	19.6
12 27	4 55.89	+15 49.7	1.720	2.658	7.9	19.9
1 6	4 48.97	+16 11.0	1.789	2.666	11.7	20.1
1 16	4 44.54	+16 38.2	1.880	2.674	14.9	20.3

408027 2012 FX_{14} 12 10.6 285°.38 5°.0/ 9.2 17

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 34.39	+10 34.4	2.078	2.904	12.8	21.0
11 17	5 29.31	+ 9 40.7	1.997	2.894	9.9	20.8
11 27	5 22.26	+ 8 52.1	1.940	2.884	7.0	20.6
12 7	5 13.95	+ 8 12.2	1.911	2.874	5.1	20.4
12 17	5 5.24	+ 7 44.1	1.911	2.864	6.0	20.5
12 27	4 57.16	+ 7 29.8	1.938	2.854	8.7	20.6
1 6	4 50.55	+ 7 29.8	1.991	2.844	11.8	20.8
1 16	4 46.05	+ 7 43.2	2.067	2.835	14.6	21.0

290866 2005 WL_{55} 12 10.6 126°.15 1°.0/10.8 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 37.84	+25 39.6	2.130	2.956	12.5	21.0
11 17	5 31.90	+25 50.0	2.056	2.960	9.3	20.8
11 27	5 23.81	+25 56.5	2.007	2.965	5.6	20.6
12 7	5 14.35	+25 58.0	1.987	2.969	1.8	20.4
12 17	5 4.55	+25 54.2	1.996	2.973	2.7	20.5
12 27	4 55.50	+25 46.3	2.034	2.977	6.5	20.7
1 6	4 48.15	+25 36.4	2.100	2.981	10.0	20.9
1 16	4 43.14	+25 27.1	2.190	2.984	13.0	21.1

514642 2005 GD_{40} 12 10.6 195°.76 3°.8/11.2 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 41.86	+33 34.7	2.283	3.088	12.5	22.2
11 17	5 35.02	+34 12.3	2.200	3.086	9.7	22.0
11 27	5 25.77	+34 41.6	2.142	3.083	6.6	21.8
12 7	5 14.91	+34 59.1	2.112	3.079	4.2	21.6
12 17	5 3.52	+35 2.8	2.112	3.076	4.4	21.7
12 27	4 52.85	+34 53.4	2.141	3.071	7.1	21.8
1 6	4 43.99	+34 34.2	2.199	3.067	10.2	22.0
1 16	4 37.67	+34 9.5	2.280	3.061	13.0	22.2

311690 2006 SO_{119} 12 10.6 52°.69 0°.1/10.6 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 39.50	+22 31.9	1.580	2.420	15.4	20.0
11 17	5 33.47	+22 46.3	1.529	2.441	11.4	19.8
11 27	5 24.82	+22 59.2	1.501	2.461	6.7	19.5
12 7	5 14.61	+23 9.3	1.499	2.483	1.8	19.3
12 17	5 4.17	+23 16.1	1.526	2.504	3.1	19.4
12 27	4 54.89	+23 20.8	1.580	2.526	7.8	19.8
1 6	4 47.85	+23 25.1	1.660	2.547	11.8	20.1
1 16	4 43.68	+23 31.0	1.763	2.569	15.2	20.3

21866 1999 TP_{247} 12 10.6 170°.64 0°.5/10.7 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 39.91	+23 44.4	2.007	2.834	13.2	19.4
11 17	5 33.54	+23 57.4	1.931	2.836	9.8	19.2
11 27	5 24.85	+24 8.0	1.880	2.838	5.9	19.0
12 7	5 14.65	+24 15.1	1.857	2.840	1.7	18.7
12 17	5 4.02	+24 18.1	1.863	2.841	2.8	18.8
12 27	4 54.18	+24 17.8	1.900	2.842	6.9	19.1
1 6	4 46.15	+24 16.2	1.963	2.843	10.7	19.3
1 16	4 40.62	+24 15.6	2.051	2.843	13.9	19.5

10386 Romulus 12 10.6 112°.32 7°.0/11.6 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 43.55	+44 23.4	2.586	3.349	12.3	17.9
11 17	5 36.42	+45 37.2	2.516	3.356	10.3	17.8
11 27	5 26.69	+46 37.7	2.470	3.363	8.4	17.7
12 7	5 15.17	+47 19.7	2.452	3.370	7.1	17.6
12 17	5 3.04	+47 40.0	2.461	3.377	7.2	17.6
12 27	4 51.65	+47 39.0	2.498	3.383	8.5	17.7
1 6	4 42.19	+47 20.2	2.562	3.390	10.3	17.9
1 16	4 35.46	+46 49.3	2.649	3.396	12.2	18.0

490414 2009 SC_{34} 12 10.6 94°.55 4°.5/11.6 17

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 40.09	+36 4.2	2.223	3.027	12.8	21.5
11 17	5 33.67	+36 35.6	2.155	3.037	10.0	21.3
11 27	5 24.89	+36 56.2	2.111	3.047	7.1	21.2
12 7	5 14.65	+37 2.8	2.095	3.057	4.8	21.0
12 17	5 4.06	+36 54.1	2.107	3.067	4.9	21.1
12 27	4 54.37	+36 31.6	2.148	3.076	7.3	21.2
1 6	4 46.57	+35 59.4	2.217	3.086	10.1	21.4
1 16	4 41.34	+35 22.2	2.309	3.095	12.7	21.6

80800 2000 CU_{96} 12 10.6 190°.18 0°.4/10.5 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 41.05	+23 29.5	1.768	2.600	14.5	19.6
11 17	5 34.59	+23 6.6	1.692	2.599	10.7	19.4
11 27	5 25.55	+22 39.3	1.639	2.598	6.4	19.1
12 7	5 14.84	+22 7.8	1.613	2.597	1.7	18.8
12 17	5 3.72	+21 33.8	1.617	2.595	3.2	18.9
12 27	4 53.54	+21 0.1	1.650	2.592	7.8	19.2
1 6	4 45.43	+20 30.2	1.709	2.589	12.0	19.5
1 16	4 40.11	+20 7.0	1.791	2.586	15.5	19.7

38002 1998 KO_{42} 12 10.6 194°.82 0°.7/10.7 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
11 7	5 41.29	+23 24.7	2.208	3.027	12.4	19.8
11 17	5 34.49	+23 55.8	2.124	3.025	9.2	19.6
11 27	5 25.42	+24 26.0	2.066	3.022	5.6	19.3
12 7	5 14.82	+24 53.2	2.036	3.019	1.7	19.1
12 17	5 3.70	+25 15.9	2.037	3.015	2.7	19.1
12 27	4 53.22	+25 33.9	2.070	3.010	6.6	19.4
1 6	4 44.40	+25 48.4	2.130	3.005	10.2	19.6
1 16	4 37.95	+26 1.3	2.215	2.999	13.2	19.8

445599 2011 SU_{77} 12 10.6 272°.42 3°.7/11.2 16

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 40.81	+32 0.3	1.807	2.629	14.6	21.0
11 17	5 34.85	+32 27.0	1.718	2.615	11.3	20.8
11 27	5 25.95	+32 45.0	1.652	2.601	7.5	20.5
12 7	5 15.01	+32 50.4	1.613	2.586	4.2	20.3
12 17	5 3.33	+32 41.3	1.602	2.572	4.6	20.3
12 27	4 52.45	+32 18.8	1.619	2.557	8.3	20.5
1 6	4 43.74	+31 47.4	1.662	2.542	12.2	20.7
1 16	4 38.08	+31 12.4	1.727	2.528	15.7	20.9

371339 2006 KG_{18} 12 10.6 209°.26 4°.0/ 9.8 17

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 33.80	+10 28.1	2.452	3.271	11.3	21.4
11 17	5 28.58	+10 6.3	2.375	3.269	8.7	21.2
11 27	5 21.71	+ 9 50.5	2.324	3.268	6.0	21.1
12 7	5 13.79	+ 9 42.5	2.300	3.266	4.1	20.9
12 17	5 5.58	+ 9 43.6	2.306	3.264	4.7	21.0
12 27	4 57.91	+ 9 54.3	2.342	3.262	7.2	21.1
1 6	4 51.51	+10 14.3	2.404	3.260	9.9	21.3
1 16	4 46.90	+10 42.7	2.490	3.258	12.4	21.5

1615 Bardwell 12 10.6 21°.53 1°.0/10.4 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 34.84	+20 49.4	1.739	2.582	14.1	15.4
11 17	5 29.94	+20 41.1	1.676	2.590	10.4	15.2
11 27	5 22.72	+20 32.4	1.637	2.598	6.2	15.0
12 7	5 14.08	+20 23.6	1.624	2.607	1.9	14.7
12 17	5 5.11	+20 15.5	1.639	2.617	3.2	14.9
12 27	4 57.06	+20 9.6	1.683	2.627	7.5	15.1
1 6	4 50.89	+20 7.4	1.752	2.638	11.4	15.4
1 16	4 47.23	+20 10.1	1.843	2.650	14.6	15.6

403731 2010 XQ_{20} 12 10.6 42°.90 0°.3/10.5 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 36.70	+24 16.7	1.884	2.719	13.5	20.4
11 17	5 31.13	+23 43.9	1.817	2.727	10.0	20.2
11 27	5 23.34	+23 6.3	1.775	2.735	5.9	20.0
12 7	5 14.23	+22 24.8	1.760	2.744	1.6	19.7
12 17	5 4.88	+21 41.5	1.775	2.753	2.9	19.8
12 27	4 56.46	+20 59.6	1.818	2.762	7.1	20.1
1 6	4 49.91	+20 22.5	1.888	2.771	10.9	20.4
1 16	4 45.80	+19 52.6	1.981	2.781	14.0	20.6

371741 2007 ET_{171} 12 10.6 187°.51 1°.9/11.1 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 37.29	+29 55.0	2.928	3.735	10.0	22.3
11 17	5 31.07	+30 7.0	2.843	3.735	7.5	22.2
11 27	5 23.16	+30 13.4	2.784	3.733	4.8	22.0
12 7	5 14.19	+30 12.9	2.755	3.732	2.3	21.8
12 17	5 4.90	+30 5.2	2.757	3.729	2.7	21.8
12 27	4 56.16	+29 51.1	2.790	3.727	5.3	22.0
1 6	4 48.71	+29 32.8	2.852	3.723	8.0	22.2
1 16	4 43.08	+29 12.7	2.940	3.720	10.4	22.4

436836 2012 SZ_{11} 12 10.6 100°.16 0°.9/10.7 16

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 42.86	+25 24.0	1.689	2.519	15.1	22.0
11 17	5 35.84	+25 26.8	1.633	2.539	11.2	21.8
11 27	5 26.20	+25 24.8	1.600	2.558	6.7	21.6
12 7	5 15.00	+25 16.6	1.594	2.577	2.0	21.3
12 17	5 3.58	+25 2.5	1.617	2.595	3.1	21.4
12 27	4 53.35	+24 44.7	1.669	2.613	7.6	21.7
1 6	4 45.40	+24 26.5	1.748	2.630	11.6	22.0
1 16	4 40.36	+24 11.1	1.849	2.647	14.9	22.3

138926 2001 BA 12 10.6 274°.07 4°.0/11.2 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 42.65	+31 41.5	1.485	2.317	16.7	19.4
11 17	5 36.76	+32 6.9	1.400	2.303	12.9	19.1
11 27	5 27.37	+32 22.4	1.337	2.288	8.6	18.8
12 7	5 15.46	+32 23.2	1.299	2.274	4.6	18.6
12 17	5 2.63	+32 6.9	1.287	2.259	5.2	18.5
12 27	4 50.81	+31 35.3	1.303	2.245	9.5	18.8
1 6	4 41.63	+30 54.4	1.343	2.230	14.1	19.0
1 16	4 36.12	+30 11.2	1.404	2.215	18.2	19.2

117371 2004 XK_{144} 12 10.6 243°.07 3°.3/11.9 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 40.09	+36 47.1	2.736	3.527	11.0	19.3
11 17	5 33.29	+36 27.7	2.638	3.515	8.6	19.1
11 27	5 24.53	+35 56.3	2.566	3.501	6.0	18.9
12 7	5 14.57	+35 11.4	2.522	3.488	3.7	18.8
12 17	5 4.33	+34 13.5	2.509	3.474	3.7	18.8
12 27	4 54.81	+33 5.3	2.528	3.460	6.1	18.9
1 6	4 46.87	+31 51.4	2.576	3.446	8.8	19.0
1 16	4 41.09	+30 36.7	2.650	3.431	11.4	19.2

479178 2013 CP_{52} 12 10.6 343°.37 0°.8/10.5 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
11 7	5 35.84	+20 1.8	1.344	2.199	16.7	20.4
11 17	5 31.55	+20 20.7	1.269	2.189	12.5	20.2
11 27	5 24.16	+20 42.6	1.217	2.180	7.6	19.9
12 7	5 14.58	+21 6.1	1.188	2.171	2.2	19.5
12 17	5 4.23	+21 30.3	1.185	2.164	3.8	19.6
12 27	4 54.80	+21 54.7	1.209	2.158	9.2	19.9
1 6	4 47.74	+22 20.0	1.256	2.152	14.1	20.2
1 16	4 43.99	+22 47.1	1.323	2.148	18.3	20.4

138386 2000 GF_{169} 12 10.6 120°.10 2°.7/10.9 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 41.87	+29 8.4	2.180	2.994	12.7	20.0
11 17	5 34.91	+29 52.7	2.113	3.008	9.6	19.8
11 27	5 25.64	+30 31.5	2.072	3.022	6.1	19.7
12 7	5 14.90	+31 1.6	2.059	3.035	3.1	19.5
12 17	5 3.77	+31 21.1	2.076	3.047	3.6	19.5
12 27	4 53.47	+31 30.4	2.123	3.060	6.8	19.8
1 6	4 44.99	+31 31.8	2.199	3.071	10.0	20.0
1 16	4 39.01	+31 28.7	2.298	3.083	12.8	20.2

393412 2001 QE_{48} 12 10.6 139°.12 6°.0/ 9.8 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 36.69	+ 5 14.3	2.149	2.957	13.1	20.9
11 17	5 30.81	+ 4 45.4	2.084	2.964	10.4	20.7
11 27	5 23.07	+ 4 27.3	2.043	2.972	7.8	20.6
12 7	5 14.19	+ 4 22.8	2.029	2.979	6.1	20.5
12 17	5 5.05	+ 4 33.2	2.044	2.985	6.6	20.5
12 27	4 56.60	+ 4 58.6	2.086	2.991	8.8	20.7
1 6	4 49.64	+ 5 37.4	2.156	2.997	11.5	20.9
1 16	4 44.75	+ 6 27.0	2.248	3.003	13.9	21.0

462720 2009 XZ_{17} 12 10.6 27°.89 7°.3/11.7 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 38.82	+ 0 54.5	1.630	2.438	16.6	19.8
11 17	5 32.76	+ 1 27.4	1.579	2.456	13.3	19.6
11 27	5 24.36	+ 2 21.1	1.549	2.475	10.0	19.5
12 7	5 14.55	+ 3 36.1	1.545	2.495	7.6	19.4
12 17	5 4.48	+ 5 10.2	1.568	2.516	7.7	19.4
12 27	4 55.40	+ 6 58.4	1.620	2.537	10.0	19.6
1 6	4 48.31	+ 8 54.7	1.698	2.559	13.1	19.9
1 16	4 43.82	+10 53.4	1.800	2.582	15.9	20.1

271382 2004 BN 12 10.6 53°.12 2°.6/10.9 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 43.54	+27 58.0	1.164	2.014	19.2	20.1
11 17	5 37.26	+28 18.0	1.120	2.035	14.3	19.9
11 27	5 27.38	+28 29.4	1.097	2.056	8.8	19.7
12 7	5 15.37	+28 28.9	1.097	2.078	3.5	19.4
12 17	5 3.13	+28 16.0	1.123	2.100	4.4	19.6
12 27	4 52.64	+27 54.2	1.175	2.123	9.5	19.9
1 6	4 45.31	+27 29.0	1.250	2.145	14.3	20.3
1 16	4 41.77	+27 5.7	1.346	2.168	18.2	20.6

37445 3056 P–L 12 10.6 186°.25 2°.4/11.2 18 R

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 42.65	+30 30.1	1.896	2.715	14.1	19.5
11 17	5 35.79	+30 28.4	1.818	2.715	10.7	19.2
11 27	5 26.29	+30 17.3	1.763	2.715	6.8	19.0
12 7	5 15.09	+29 54.8	1.736	2.714	3.1	18.8
12 17	5 3.48	+29 21.1	1.738	2.712	3.6	18.8
12 27	4 52.84	+28 39.0	1.769	2.710	7.5	19.0
1 6	4 44.33	+27 53.4	1.828	2.708	11.3	19.3
1 16	4 38.66	+27 9.0	1.910	2.705	14.7	19.5

382013 2011 AG_{65} 12 10.6 329°.13 2°.7/10.4 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 39.63	+16 37.7	1.363	2.211	17.0	20.4
11 17	5 34.17	+16 37.0	1.294	2.208	12.8	20.1
11 27	5 25.62	+16 41.4	1.245	2.205	7.9	19.9
12 7	5 14.97	+16 51.5	1.222	2.202	3.3	19.6
12 17	5 3.66	+17 7.2	1.225	2.200	4.6	19.7
12 27	4 53.38	+17 29.0	1.255	2.198	9.6	19.9
1 6	4 45.51	+17 56.9	1.308	2.196	14.3	20.2
1 16	4 40.93	+18 30.5	1.383	2.194	18.4	20.5

422097 2014 QH_{401} 12 10.6 337°.68 0°.9/10.7 17

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 36.94	+24 49.6	1.901	2.735	13.5	21.3
11 17	5 31.57	+25 3.9	1.823	2.732	10.0	21.0
11 27	5 23.79	+25 15.3	1.770	2.728	6.1	20.8
12 7	5 14.44	+25 22.2	1.743	2.725	1.9	20.5
12 17	5 4.60	+25 24.3	1.745	2.722	2.9	20.6
12 27	4 55.52	+25 22.2	1.775	2.720	7.1	20.8
1 6	4 48.27	+25 18.3	1.833	2.718	11.0	21.1
1 16	4 43.57	+25 14.9	1.913	2.715	14.3	21.3

370839 2004 YO_{20} 12 10.6 6°.13 3°.2/11.3 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 41.88	+31 21.3	1.213	2.060	18.8	20.2
11 17	5 36.34	+31 10.2	1.148	2.060	14.3	20.0
11 27	5 27.06	+30 44.6	1.103	2.060	9.2	19.7
12 7	5 15.35	+30 2.1	1.081	2.060	4.2	19.4
12 17	5 3.09	+29 3.7	1.085	2.062	4.7	19.5
12 27	4 52.36	+27 55.6	1.115	2.063	9.8	19.7
1 6	4 44.74	+26 46.4	1.168	2.065	14.9	20.0
1 16	4 41.01	+25 43.6	1.241	2.067	19.2	20.3

94092 2000 YD_{62} 12 10.6 25°.20 1°.8/11.1 17

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
11 7	5 37.49	+29 23.4	1.986	2.813	13.3	19.3
11 17	5 31.80	+29 11.9	1.912	2.815	10.0	19.1
11 27	5 23.82	+28 52.3	1.863	2.817	6.2	18.9
12 7	5 14.42	+28 23.7	1.840	2.820	2.5	18.7
12 17	5 4.70	+27 46.9	1.846	2.823	3.1	18.7
12 27	4 55.86	+27 4.7	1.882	2.825	6.9	18.9
1 6	4 48.90	+26 21.3	1.944	2.828	10.5	19.2
1 16	4 44.44	+25 40.5	2.031	2.832	13.7	19.4

441121 2007 TL_{62} 12 10.6 13°.85 1°.3/10.8 17

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 37.53	+25 38.1	1.401	2.250	16.5	21.4
11 17	5 32.60	+25 48.7	1.337	2.253	12.3	21.1
11 27	5 24.62	+25 54.5	1.295	2.257	7.5	20.9
12 7	5 14.68	+25 53.8	1.278	2.261	2.4	20.6
12 17	5 4.24	+25 46.1	1.288	2.266	3.6	20.7
12 27	4 54.94	+25 33.6	1.324	2.272	8.6	21.0
1 6	4 48.11	+25 19.6	1.384	2.279	13.2	21.3
1 16	4 44.50	+25 7.7	1.466	2.287	17.0	21.5

311313 2005 LG_{34} 12 10.6 68°.02 0°.6/10.6 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 40.11	+22 48.9	1.753	2.586	14.5	20.7
11 17	5 33.88	+23 21.2	1.692	2.600	10.7	20.5
11 27	5 25.12	+23 52.7	1.655	2.614	6.4	20.3
12 7	5 14.78	+24 21.1	1.646	2.629	1.8	20.0
12 17	5 4.06	+24 44.9	1.665	2.643	3.0	20.1
12 27	4 54.32	+25 4.0	1.713	2.657	7.4	20.4
1 6	4 46.64	+25 19.9	1.788	2.672	11.3	20.7
1 16	4 41.70	+25 34.6	1.886	2.686	14.6	20.9

137310 1999 TF_{9} 12 10.6 51°.96 4°.4/11.1 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 44.33	+30 44.3	1.180	2.025	19.3	19.2
11 17	5 38.03	+31 30.6	1.135	2.044	14.6	18.9
11 27	5 27.96	+32 5.9	1.110	2.064	9.5	18.7
12 7	5 15.56	+32 24.6	1.108	2.084	5.1	18.5
12 17	5 2.80	+32 24.4	1.132	2.105	5.6	18.6
12 27	4 51.80	+32 8.1	1.182	2.126	10.0	18.9
1 6	4 44.07	+31 42.3	1.255	2.147	14.5	19.3
1 16	4 40.30	+31 13.9	1.347	2.168	18.3	19.6

72742 2001 FY_{108} 12 10.6 77°.42 3°.4/11.3 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 38.26	+32 51.7	2.215	3.029	12.5	18.9
11 17	5 32.33	+33 13.9	2.140	3.032	9.6	18.7
11 27	5 24.15	+33 27.5	2.089	3.034	6.4	18.5
12 7	5 14.52	+33 30.1	2.065	3.036	3.8	18.3
12 17	5 4.51	+33 20.6	2.070	3.039	4.0	18.4
12 27	4 55.28	+33 0.4	2.105	3.041	6.9	18.5
1 6	4 47.82	+32 33.0	2.167	3.043	10.0	18.7
1 16	4 42.79	+32 2.4	2.253	3.046	12.8	18.9

108655 2001 NV_{19} 12 10.6 29°.54 7°.8/10.1 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 35.37	+ 6 39.8	1.273	2.118	18.2	18.0
11 17	5 30.61	+ 5 56.7	1.235	2.138	14.2	17.8
11 27	5 23.19	+ 5 29.8	1.217	2.159	10.4	17.7
12 7	5 14.24	+ 5 23.3	1.223	2.181	7.9	17.6
12 17	5 5.13	+ 5 38.9	1.253	2.205	8.6	17.7
12 27	4 57.28	+ 6 15.3	1.307	2.229	11.5	17.9
1 6	4 51.73	+ 7 8.8	1.385	2.255	14.9	18.2
1 16	4 49.05	+ 8 14.3	1.482	2.281	18.0	18.5

326781 2003 SF_{234} 12 10.6 116°.21 2°.7/11.1 17

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 38.39	+30 30.9	2.357	3.171	11.8	20.8
11 17	5 32.27	+31 2.5	2.284	3.178	9.0	20.6
11 27	5 24.05	+31 27.8	2.236	3.184	5.8	20.4
12 7	5 14.50	+31 44.4	2.216	3.190	3.1	20.3
12 17	5 4.57	+31 51.2	2.226	3.196	3.5	20.3
12 27	4 55.34	+31 48.8	2.266	3.202	6.4	20.5
1 6	4 47.75	+31 39.5	2.334	3.208	9.4	20.7
1 16	4 42.41	+31 26.7	2.426	3.214	12.1	20.9

410651 2008 SX_{19} 12 10.6 15°.23 2°.7/10.0 17

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 34.21	+16 37.8	1.902	2.740	13.3	21.0
11 17	5 29.31	+16 9.8	1.834	2.743	9.9	20.8
11 27	5 22.32	+15 44.0	1.789	2.746	6.2	20.5
12 7	5 14.03	+15 22.3	1.772	2.750	3.0	20.3
12 17	5 5.42	+15 6.3	1.783	2.754	4.1	20.4
12 27	4 57.59	+14 57.7	1.822	2.759	7.6	20.7
1 6	4 51.44	+14 57.4	1.887	2.764	11.2	20.9
1 16	4 47.55	+15 5.5	1.975	2.770	14.2	21.1

49966 1999 XT_{231} 12 10.6 297°.40 2°.2/10.7 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 40.77	+25 45.0	1.422	2.265	16.7	18.4
11 17	5 35.44	+26 26.1	1.336	2.249	12.6	18.1
11 27	5 26.67	+27 5.4	1.272	2.232	7.9	17.8
12 7	5 15.34	+27 39.0	1.234	2.215	3.0	17.5
12 17	5 2.94	+28 3.3	1.222	2.198	4.2	17.5
12 27	4 51.34	+28 17.7	1.236	2.182	9.4	17.8
1 6	4 42.24	+28 24.8	1.275	2.166	14.4	18.0
1 16	4 36.73	+28 28.6	1.335	2.150	18.7	18.2

87341 2000 QF_{23} 12 10.6 106°.20 1°.4/10.9 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
11 7	5 41.38	+27 38.9	1.676	2.508	15.1	19.4
11 17	5 34.94	+27 29.6	1.611	2.517	11.3	19.1
11 27	5 25.78	+27 12.6	1.568	2.525	6.9	18.9
12 7	5 14.97	+26 47.0	1.552	2.534	2.4	18.6
12 17	5 3.83	+26 13.6	1.565	2.542	3.3	18.7
12 27	4 53.83	+25 35.7	1.606	2.551	7.8	19.0
1 6	4 46.10	+24 57.8	1.674	2.559	11.9	19.3
1 16	4 41.31	+24 24.0	1.764	2.567	15.4	19.5

69987 1998 WA_{25} 12 10.6 92°.91 0°.0/10.5 17

11 7	5 13.68	+22 6.3	41.625	42.445	0.8	23.5
11 17	5 12.93	+22 5.4	41.543	42.446	0.5	23.4
11 27	5 12.11	+22 4.4	41.488	42.446	0.3	23.4
12 7	5 11.24	+22 3.4	41.464	42.447	0.1	23.4
12 17	5 10.36	+22 2.4	41.470	42.448	0.2	23.4
12 27	5 9.50	+22 1.4	41.507	42.448	0.4	23.4
1 6	5 8.70	+22 0.6	41.574	42.449	0.6	23.4
1 16	5 7.99	+21 59.8	41.668	42.450	0.8	23.5

53117 1999 AW_{19} 12 10.6 82°.19 1°.7/11.1 18

11 7	5 36.97	+28 52.3	2.358	3.177	11.7	19.3
11 17	5 31.05	+28 56.1	2.292	3.191	8.7	19.1
11 27	5 23.23	+28 53.8	2.251	3.204	5.4	18.9
12 7	5 14.26	+28 44.3	2.239	3.218	2.3	18.7
12 17	5 5.08	+28 27.8	2.256	3.231	2.8	18.8
12 27	4 56.67	+28 6.0	2.304	3.245	6.0	19.0
1 6	4 49.85	+27 41.5	2.379	3.258	9.1	19.3
1 16	4 45.16	+27 17.2	2.479	3.271	11.8	19.5

89019 2001 TC_{90} 12 10.6 246°.78 2°.0/11.1 17

11 7	5 38.91	+29 31.9	2.119	2.940	12.8	19.7
11 17	5 32.89	+29 29.0	2.031	2.930	9.7	19.5
11 27	5 24.54	+29 18.4	1.967	2.920	6.1	19.3
12 7	5 14.66	+28 58.6	1.931	2.911	2.6	19.0
12 17	5 4.32	+28 29.8	1.925	2.900	3.2	19.1
12 27	4 54.72	+27 54.2	1.948	2.890	6.8	19.3
1 6	4 46.90	+27 15.5	1.999	2.879	10.5	19.5
1 16	4 41.55	+26 37.7	2.074	2.869	13.6	19.7

97078 1999 VS_{33} 12 10.6 41°.18 0°.4/10.5 18

11 7	5 38.54	+22 17.8	1.463	2.310	16.1	19.2
11 17	5 33.04	+22 14.8	1.406	2.321	11.9	19.0
11 27	5 24.74	+22 10.0	1.371	2.333	7.1	18.7
12 7	5 14.70	+22 3.0	1.361	2.345	1.9	18.5
12 17	5 4.33	+21 54.5	1.379	2.357	3.4	18.6
12 27	4 55.12	+21 46.2	1.424	2.370	8.3	18.9
1 6	4 48.26	+21 40.6	1.493	2.383	12.7	19.2
1 16	4 44.41	+21 39.5	1.584	2.397	16.3	19.5

400572 2008 YH_{13} 12 10.6 300°.64 2°.6/10.4 18

11 7	5 37.61	+16 5.1	1.632	2.472	15.1	21.2
11 17	5 32.39	+16 5.0	1.549	2.460	11.4	20.9
11 27	5 24.47	+16 9.7	1.489	2.447	7.1	20.6
12 7	5 14.70	+16 19.9	1.455	2.435	3.1	20.4
12 17	5 4.25	+16 36.0	1.449	2.423	4.3	20.4
12 27	4 54.52	+16 58.1	1.471	2.411	8.7	20.6
1 6	4 46.76	+17 26.3	1.517	2.400	13.0	20.9
1 16	4 41.82	+18 0.2	1.586	2.389	16.8	21.1

139360 2001 MU_{2} 12 10.6 167°.66 1°.9/10.9 18

11 7	5 40.32	+28 44.6	2.502	3.312	11.4	20.6
11 17	5 33.54	+29 3.2	2.424	3.318	8.5	20.4
11 27	5 24.76	+29 16.4	2.371	3.322	5.4	20.2
12 7	5 14.71	+29 22.4	2.348	3.326	2.4	20.0
12 17	5 4.31	+29 20.5	2.355	3.329	2.9	20.1
12 27	4 54.59	+29 11.5	2.394	3.332	6.0	20.3
1 6	4 46.43	+28 57.9	2.461	3.334	9.1	20.5
1 16	4 40.43	+28 42.6	2.554	3.335	11.7	20.7

298488 2003 UY_{265} 12 10.6 8°.99 2°.8/10.0 18

11 7	5 34.28	+19 36.4	1.203	2.068	17.7	19.8
11 17	5 30.33	+18 50.6	1.146	2.069	13.2	19.5
11 27	5 23.31	+18 3.8	1.109	2.073	8.0	19.3
12 7	5 14.36	+17 19.4	1.096	2.078	3.3	19.0
12 17	5 4.99	+16 41.2	1.108	2.084	4.9	19.1
12 27	4 56.86	+16 13.0	1.145	2.091	10.0	19.4
1 6	4 51.25	+15 57.3	1.205	2.100	14.7	19.7
1 16	4 48.87	+15 54.6	1.284	2.110	18.7	20.0

487149 2014 ON_{219} 12 10.6 130°.38 0°.3/10.7 18

11 7	5 38.28	+23 24.1	2.122	2.948	12.5	22.1
11 17	5 32.23	+23 34.3	2.050	2.955	9.3	21.9
11 27	5 24.05	+23 42.5	2.002	2.961	5.6	21.7
12 7	5 14.53	+23 47.8	1.983	2.966	1.5	21.4
12 17	5 4.66	+23 49.7	1.994	2.972	2.6	21.5
12 27	4 55.54	+23 49.3	2.035	2.977	6.5	21.8
1 6	4 48.11	+23 48.1	2.103	2.983	10.1	22.0
1 16	4 42.99	+23 48.2	2.195	2.988	13.1	22.2

516558 2006 WY_{170} 12 10.6 81°.14 0°.1/10.6 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
11 7	5 38.27	+22 21.5	1.928	2.760	13.4	21.3
11 17	5 32.44	+22 38.6	1.856	2.763	9.9	21.1
11 27	5 24.28	+22 55.0	1.808	2.767	5.9	20.9
12 7	5 14.61	+23 9.4	1.787	2.770	1.6	20.6
12 17	5 4.52	+23 21.1	1.795	2.773	2.8	20.7
12 27	4 55.20	+23 30.4	1.833	2.777	7.0	21.0
1 6	4 47.71	+23 38.9	1.897	2.780	10.8	21.2
1 16	4 42.71	+23 48.2	1.985	2.783	14.1	21.4

389083 2008 WY_{133} 12 10.6 50°.82 3°.0/10.9 18

11 7	5 42.08	+27 43.7	1.428	2.267	16.8	20.3
11 17	5 35.94	+28 32.7	1.373	2.282	12.6	20.1
11 27	5 26.62	+29 16.0	1.340	2.297	7.9	19.9
12 7	5 15.26	+29 49.2	1.333	2.312	3.6	19.7
12 17	5 3.45	+30 9.4	1.353	2.328	4.4	19.8
12 27	4 52.92	+30 17.3	1.400	2.344	8.8	20.1
1 6	4 45.04	+30 16.7	1.472	2.360	13.0	20.4
1 16	4 40.56	+30 12.0	1.565	2.377	16.6	20.6

57850 2001 XX_{89} 12 10.6 209°.92 1°.1/10.8 18

11 7	5 41.40	+25 58.3	1.956	2.780	13.6	20.4
11 17	5 34.86	+26 5.4	1.872	2.775	10.2	20.1
11 27	5 25.79	+26 7.9	1.812	2.769	6.2	19.9
12 7	5 15.05	+26 4.3	1.780	2.762	2.0	19.6
12 17	5 3.77	+25 54.2	1.778	2.755	3.0	19.7
12 27	4 53.28	+25 38.9	1.805	2.748	7.2	19.9
1 6	4 44.69	+25 21.5	1.860	2.739	11.2	20.1
1 16	4 38.77	+25 5.3	1.938	2.731	14.5	20.3

388170 2006 AP_{87} 12 10.6 76°.97 2°.3/11.1 18

11 7	5 41.36	+28 53.2	1.573	2.407	15.8	21.3
11 17	5 35.17	+28 58.2	1.509	2.415	11.9	21.0
11 27	5 26.05	+28 54.7	1.467	2.424	7.4	20.8
12 7	5 15.10	+28 40.8	1.452	2.432	3.1	20.5
12 17	5 3.77	+28 16.5	1.464	2.440	3.8	20.6
12 27	4 53.63	+27 44.6	1.504	2.448	8.2	20.9
1 6	4 45.91	+27 10.1	1.569	2.457	12.4	21.2
1 16	4 41.33	+26 37.5	1.657	2.465	16.0	21.4

222036 1998 TA_{12} 12 10.6 328°.28 1°.1/10.8 18

11 7	5 38.14	+25 2.0	1.281	2.135	17.5	20.4
11 17	5 33.55	+25 13.8	1.206	2.124	13.2	20.1
11 27	5 25.52	+25 21.7	1.151	2.113	8.0	19.8
12 7	5 15.05	+25 23.5	1.120	2.103	2.5	19.4
12 17	5 3.73	+25 18.2	1.114	2.093	3.9	19.5
12 27	4 53.46	+25 7.7	1.135	2.084	9.6	19.8
1 6	4 45.84	+24 55.6	1.178	2.076	14.7	20.1
1 16	4 41.84	+24 45.9	1.241	2.069	19.1	20.3

67011 1999 XR_{123} 12 10.6 60°.94 5°.3/11.4 18

11 7	5 42.60	+34 37.1	1.652	2.473	15.8	18.9
11 17	5 36.28	+35 26.7	1.588	2.481	12.3	18.7
11 27	5 26.84	+36 4.9	1.547	2.489	8.6	18.5
12 7	5 15.35	+36 26.4	1.531	2.497	5.7	18.4
12 17	5 3.31	+36 28.5	1.543	2.505	5.9	18.4
12 27	4 52.44	+36 12.8	1.581	2.514	9.0	18.6
1 6	4 44.10	+35 44.4	1.645	2.523	12.5	18.8
1 16	4 39.09	+35 9.9	1.731	2.531	15.7	19.1

247267 2001 SV_{49} 12 10.6 84°.05 7°.4/ 9.4 18

11 7	5 36.49	+ 3 27.7	1.943	2.752	14.2	20.1
11 17	5 30.74	+ 2 35.2	1.892	2.769	11.5	20.0
11 27	5 23.06	+ 1 55.8	1.865	2.786	8.9	19.9
12 7	5 14.26	+ 1 33.3	1.863	2.803	7.4	19.8
12 17	5 5.29	+ 1 29.9	1.889	2.820	7.9	19.9
12 27	4 57.16	+ 1 45.8	1.942	2.836	10.0	20.1
1 6	4 50.67	+ 2 18.9	2.020	2.853	12.5	20.2
1 16	4 46.36	+ 3 5.8	2.119	2.869	14.8	20.4

267124 2000 DT_{101} 12 10.6 301°.25 8°.4/11.8 18

11 7	5 42.68	+45 38.4	2.153	2.925	14.2	20.4
11 17	5 36.53	+46 42.1	2.061	2.905	12.1	20.2
11 27	5 27.18	+47 30.6	1.991	2.885	10.0	20.0
12 7	5 15.52	+47 57.3	1.946	2.866	8.6	19.9
12 17	5 2.91	+47 57.9	1.927	2.846	8.6	19.9
12 27	4 51.09	+47 32.4	1.935	2.827	10.1	19.9
1 6	4 41.57	+46 45.6	1.967	2.808	12.5	20.1
1 16	4 35.35	+45 44.8	2.021	2.789	14.9	20.2

240136 2002 JG_{51} 12 10.6 199°.55 4°.4/11.0 18

11 7	5 43.92	+33 22.2	2.097	2.903	13.4	20.7
11 17	5 36.89	+34 19.4	2.015	2.900	10.4	20.5
11 27	5 27.12	+35 9.0	1.957	2.897	7.2	20.3
12 7	5 15.45	+35 46.2	1.927	2.893	4.7	20.1
12 17	5 3.09	+36 7.6	1.927	2.889	5.0	20.2
12 27	4 51.47	+36 13.2	1.957	2.884	7.9	20.3
1 6	4 41.83	+36 6.1	2.013	2.879	11.1	20.5
1 16	4 35.03	+35 51.2	2.093	2.874	14.0	20.7

439691 2014 JV_{76} 12 10.6 350°.09 10°.8/ 6.9 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
11 7	5 35.40	− 0 25.4	1.698	2.505	16.0	20.3
11 17	5 30.33	− 2 24.7	1.639	2.503	13.6	20.1
11 27	5 23.02	− 4 9.2	1.602	2.502	11.6	20.0
12 7	5 14.29	− 5 30.4	1.590	2.500	10.8	20.0
12 17	5 5.21	− 6 22.4	1.603	2.499	11.7	20.0
12 27	4 56.94	− 6 42.5	1.640	2.499	13.6	20.1
1 6	4 50.46	− 6 32.5	1.699	2.498	16.0	20.3
1 16	4 46.40	− 5 57.1	1.776	2.498	18.3	20.5

271285 2003 UU_{244} 12 10.6 359°.54 5°.7/ 9.3 17

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 32.29	+10 58.9	1.646	2.488	14.8	20.1
11 17	5 28.17	+10 1.3	1.579	2.485	11.5	19.9
11 27	5 21.79	+ 9 10.4	1.536	2.484	8.0	19.7
12 7	5 13.97	+ 8 30.8	1.518	2.483	5.8	19.5
12 17	5 5.78	+ 8 5.8	1.526	2.483	6.7	19.6
12 27	4 58.40	+ 7 57.8	1.561	2.484	9.8	19.8
1 6	4 52.81	+ 8 6.4	1.619	2.487	13.3	20.0
1 16	4 49.67	+ 8 29.8	1.699	2.490	16.3	20.2

170736 2004 BV_{92} 12 10.6 341°.33 4°.2/ 9.6 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 33.93	+16 28.4	1.369	2.225	16.4	19.2
11 17	5 29.94	+15 32.2	1.295	2.213	12.4	18.9
11 27	5 23.11	+14 37.0	1.243	2.202	8.0	18.7
12 7	5 14.38	+13 46.9	1.216	2.193	4.4	18.4
12 17	5 5.05	+13 6.3	1.214	2.184	5.8	18.5
12 27	4 56.65	+12 39.2	1.237	2.176	10.3	18.7
1 6	4 50.47	+12 27.6	1.284	2.169	14.7	18.9
1 16	4 47.29	+12 31.4	1.350	2.163	18.6	19.2

522109 2016 AN_{238} 12 10.6 9°.72 5°.8/11.8 17

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 39.46	+38 23.2	1.978	2.784	14.1	20.9
11 17	5 33.69	+39 2.6	1.906	2.785	11.3	20.7
11 27	5 25.19	+39 29.1	1.857	2.786	8.3	20.5
12 7	5 14.91	+39 38.4	1.833	2.788	6.1	20.4
12 17	5 4.13	+39 28.2	1.837	2.790	6.2	20.4
12 27	4 54.31	+39 0.4	1.869	2.793	8.4	20.6
1 6	4 46.64	+38 19.6	1.926	2.796	11.3	20.8
1 16	4 41.86	+37 32.0	2.006	2.799	14.1	20.9

219235 1999 VN_{198} 12 10.6 356°.28 11°.2/ 9.4 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 27.68	+ 6 16.8	0.835	1.717	21.8	18.9
11 17	5 26.31	+ 4 57.4	0.784	1.707	17.7	18.7
11 27	5 21.35	+ 3 57.2	0.750	1.699	13.7	18.4
12 7	5 13.96	+ 3 26.6	0.734	1.694	11.3	18.3
12 17	5 5.85	+ 3 32.6	0.737	1.692	12.2	18.3
12 27	4 59.00	+ 4 15.8	0.760	1.692	15.8	18.5
1 6	4 55.02	+ 5 30.4	0.800	1.696	20.1	18.8
1 16	4 54.79	+ 7 6.8	0.856	1.702	24.0	19.0

101138 1998 RY_{65} 12 10.6 116°.53 2°.9/10.1 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 42.20	+16 23.1	1.790	2.617	14.5	20.7
11 17	5 35.12	+15 55.1	1.734	2.637	10.8	20.5
11 27	5 25.73	+15 29.7	1.702	2.657	6.7	20.3
12 7	5 15.01	+15 8.5	1.698	2.676	3.2	20.1
12 17	5 4.12	+14 53.1	1.723	2.694	4.3	20.2
12 27	4 54.28	+14 45.1	1.777	2.711	8.1	20.5
1 6	4 46.46	+14 45.5	1.858	2.728	11.7	20.7
1 16	4 41.23	+14 54.2	1.962	2.744	14.8	21.0

44984 1999 VC_{164} 12 10.6 111°.10 1°.1/10.8 18 R

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 43.26	+25 58.9	1.538	2.373	16.1	19.2
11 17	5 36.53	+26 2.4	1.477	2.385	12.0	19.0
11 27	5 26.86	+26 0.2	1.438	2.396	7.3	18.7
12 7	5 15.36	+25 50.8	1.425	2.407	2.3	18.4
12 17	5 3.50	+25 34.0	1.440	2.418	3.4	18.5
12 27	4 52.86	+25 12.6	1.484	2.428	8.2	18.9
1 6	4 44.71	+24 50.4	1.553	2.439	12.6	19.1
1 16	4 39.73	+24 31.2	1.644	2.448	16.2	19.4

38692 2000 QD_{30} 12 10.6 62°.91 4°.2/10.3 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 41.56	+14 0.5	1.204	2.053	18.7	18.5
11 17	5 35.54	+13 46.7	1.155	2.069	14.1	18.3
11 27	5 26.35	+13 41.3	1.128	2.085	9.0	18.1
12 7	5 15.22	+13 45.8	1.124	2.101	4.7	17.9
12 17	5 3.78	+14 0.8	1.146	2.117	5.8	18.0
12 27	4 53.75	+14 26.4	1.194	2.134	10.4	18.3
1 6	4 46.44	+15 1.3	1.265	2.150	14.9	18.6
1 16	4 42.54	+15 43.6	1.356	2.167	18.7	18.9

404585 2013 LS_{18} 12 10.6 45°.07 2°.2/10.6 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 37.56	+15 20.9	1.854	2.686	13.9	20.2
11 17	5 31.83	+15 43.7	1.793	2.699	10.3	20.0
11 27	5 23.88	+16 12.1	1.757	2.713	6.4	19.8
12 7	5 14.55	+16 45.5	1.747	2.727	2.7	19.6
12 17	5 4.89	+17 22.8	1.767	2.742	3.6	19.7
12 27	4 56.07	+18 3.1	1.816	2.756	7.4	19.9
1 6	4 49.05	+18 45.5	1.892	2.772	11.0	20.2
1 16	4 44.44	+19 29.5	1.991	2.787	14.1	20.4

510279 2011 KS_{11} 12 10.6 193°.12 0°.6/10.5 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
11 7	5 40.91	+21 0.4	1.918	2.746	13.7	21.8
11 17	5 34.44	+21 4.9	1.839	2.744	10.2	21.6
11 27	5 25.53	+21 8.9	1.784	2.742	6.1	21.3
12 7	5 15.02	+21 12.0	1.757	2.740	1.7	21.0
12 17	5 4.02	+21 14.0	1.760	2.737	3.0	21.1
12 27	4 53.79	+21 15.8	1.792	2.733	7.4	21.4
1 6	4 45.43	+21 18.9	1.851	2.729	11.3	21.6
1 16	4 39.65	+21 25.1	1.934	2.724	14.6	21.8

291598 2006 GS_{29} 12 10.6 235°.84 0°.4/10.7 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 39.57	+23 56.9	1.785	2.618	14.3	21.6
11 17	5 33.67	+24 2.0	1.706	2.614	10.6	21.3
11 27	5 25.17	+24 4.2	1.651	2.610	6.4	21.1
12 7	5 14.94	+24 2.3	1.623	2.606	1.8	20.8
12 17	5 4.17	+23 56.2	1.623	2.601	3.0	20.8
12 27	4 54.24	+23 47.3	1.653	2.597	7.6	21.1
1 6	4 46.30	+23 38.1	1.708	2.592	11.7	21.3
1 16	4 41.12	+23 31.3	1.786	2.587	15.3	21.6

129644 1998 KQ_{8} 12 10.6 207°.21 1°.4/10.4 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 39.68	+17 57.5	2.327	3.145	11.9	21.3
11 17	5 33.19	+18 3.3	2.238	3.139	8.8	21.1
11 27	5 24.66	+18 11.0	2.176	3.132	5.4	20.9
12 7	5 14.78	+18 20.4	2.143	3.124	2.0	20.7
12 17	5 4.44	+18 31.6	2.140	3.115	3.0	20.7
12 27	4 54.66	+18 44.8	2.169	3.106	6.6	20.9
1 6	4 46.36	+19 0.5	2.226	3.096	10.0	21.1
1 16	4 40.18	+19 19.3	2.307	3.085	13.0	21.3

278658 2008 RC_{54} 12 10.6 279°.63 2°.8/11.4 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 37.66	+32 11.7	2.251	3.066	12.3	20.7
11 17	5 31.88	+32 14.0	2.168	3.062	9.4	20.5
11 27	5 23.93	+32 7.3	2.110	3.058	6.2	20.3
12 7	5 14.58	+31 50.0	2.079	3.053	3.3	20.1
12 17	5 4.85	+31 22.0	2.078	3.049	3.5	20.1
12 27	4 55.87	+30 45.4	2.106	3.045	6.6	20.3
1 6	4 48.60	+30 3.9	2.162	3.041	9.8	20.5
1 16	4 43.68	+29 21.6	2.242	3.037	12.7	20.7

282896 2007 GW_{25} 12 10.6 160°.10 2°.5/10.2 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 39.88	+16 41.7	1.902	2.729	13.7	21.9
11 17	5 33.53	+16 25.3	1.830	2.734	10.3	21.7
11 27	5 24.90	+16 11.4	1.784	2.739	6.4	21.4
12 7	5 14.84	+16 1.0	1.764	2.743	2.9	21.2
12 17	5 4.42	+15 55.1	1.774	2.747	3.9	21.3
12 27	4 54.82	+15 55.1	1.814	2.750	7.7	21.5
1 6	4 47.05	+16 1.6	1.880	2.753	11.4	21.8
1 16	4 41.74	+16 14.9	1.969	2.755	14.6	22.0

385673 2005 SD_{179} 12 10.6 45°.81 0°.4/10.7 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 41.55	+24 20.6	1.161	2.016	18.8	20.4
11 17	5 35.64	+24 14.4	1.119	2.038	13.9	20.2
11 27	5 26.39	+24 3.4	1.099	2.061	8.2	19.9
12 7	5 15.23	+23 47.0	1.102	2.085	2.3	19.7
12 17	5 3.92	+23 26.5	1.131	2.110	3.8	19.8
12 27	4 54.29	+23 5.1	1.186	2.135	9.3	20.2
1 6	4 47.61	+22 46.8	1.264	2.160	14.1	20.6
1 16	4 44.47	+22 34.5	1.362	2.186	17.9	20.9

174866 2004 BG_{18} 12 10.6 57°.74 5°.0/10.9 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 42.89	+33 20.4	1.846	2.662	14.6	20.1
11 17	5 36.43	+34 30.3	1.772	2.663	11.4	19.9
11 27	5 26.99	+35 32.3	1.722	2.663	7.9	19.7
12 7	5 15.48	+36 20.8	1.699	2.664	5.3	19.5
12 17	5 3.24	+36 51.6	1.704	2.665	5.7	19.5
12 27	4 51.85	+37 4.4	1.737	2.666	8.6	19.7
1 6	4 42.68	+37 2.5	1.797	2.667	12.0	19.9
1 16	4 36.63	+36 51.4	1.879	2.668	15.1	20.1

150095 1235 $T\text{-}_{2}$ 12 10.6 48°.84 2°.3/10.9 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 42.09	+27 44.7	1.232	2.081	18.4	20.3
11 17	5 36.18	+27 59.3	1.182	2.097	13.7	20.1
11 27	5 26.83	+28 5.8	1.154	2.113	8.5	19.8
12 7	5 15.38	+28 1.5	1.149	2.130	3.3	19.6
12 17	5 3.61	+27 46.1	1.170	2.148	4.2	19.7
12 27	4 53.42	+27 22.8	1.218	2.165	9.2	20.0
1 6	4 46.17	+26 57.0	1.289	2.184	13.9	20.3
1 16	4 42.56	+26 33.3	1.380	2.202	17.8	20.6

482714 2013 DL_{9} 12 10.6 255°.98 6°.1/11.9 17

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 43.77	+40 18.6	2.141	2.930	13.8	21.5
11 17	5 36.99	+40 52.2	2.045	2.912	11.2	21.3
11 27	5 27.29	+41 12.1	1.973	2.894	8.5	21.1
12 7	5 15.56	+41 13.3	1.927	2.876	6.4	20.9
12 17	5 3.11	+40 53.0	1.909	2.857	6.5	20.9
12 27	4 51.46	+40 12.5	1.920	2.838	8.6	21.0
1 6	4 41.96	+39 17.0	1.957	2.819	11.6	21.1
1 16	4 35.47	+38 13.4	2.018	2.799	14.5	21.3

45281 2000 AA_{19} 12 10.6 178°.41 0°.5/10.8 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
11 7	5 40.52	+26 52.9	2.030	2.852	13.2	18.8
11 17	5 33.95	+26 15.7	1.951	2.854	9.8	18.6
11 27	5 25.12	+25 30.7	1.897	2.854	5.9	18.3
12 7	5 14.90	+24 38.5	1.872	2.855	1.7	18.1
12 17	5 4.39	+23 41.2	1.877	2.855	2.7	18.1
12 27	4 54.79	+22 42.7	1.912	2.855	6.9	18.4
1 6	4 47.07	+21 47.2	1.975	2.854	10.7	18.6
1 16	4 41.84	+20 58.5	2.062	2.853	13.9	18.8

318969 2005 UF_{286} 12 10.6 76°.70 1°.5/10.8 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 39.06	+25 49.7	1.999	2.826	13.2	21.0
11 17	5 33.06	+26 23.1	1.927	2.831	9.8	20.8
11 27	5 24.70	+26 53.4	1.880	2.837	6.0	20.6
12 7	5 14.82	+27 18.3	1.861	2.842	2.2	20.4
12 17	5 4.49	+27 36.3	1.871	2.847	3.1	20.4
12 27	4 54.93	+27 47.6	1.910	2.853	6.9	20.7
1 6	4 47.20	+27 53.9	1.977	2.858	10.5	20.9
1 16	4 41.99	+27 57.9	2.067	2.863	13.6	21.1

177695 2005 GM_{20} 12 10.6 220°.98 2°.4/10.9 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 43.16	+27 44.7	1.546	2.379	16.1	20.4
11 17	5 36.84	+28 11.1	1.469	2.375	12.2	20.1
11 27	5 27.31	+28 31.7	1.415	2.371	7.6	19.9
12 7	5 15.58	+28 43.1	1.387	2.367	3.2	19.6
12 17	5 3.13	+28 43.2	1.386	2.362	4.0	19.6
12 27	4 51.69	+28 33.4	1.414	2.357	8.7	19.9
1 6	4 42.72	+28 17.6	1.466	2.352	13.2	20.2
1 16	4 37.12	+28 0.7	1.540	2.346	17.1	20.4

313038 2000 QH 12 10.6 77°.93 0°.4/10.6 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 37.70	+22 9.6	1.934	2.767	13.3	21.1
11 17	5 31.94	+22 4.1	1.867	2.775	9.9	20.9
11 27	5 23.96	+21 57.0	1.824	2.783	5.9	20.7
12 7	5 14.60	+21 48.1	1.808	2.791	1.6	20.4
12 17	5 4.94	+21 37.9	1.822	2.800	2.8	20.5
12 27	4 56.12	+21 27.9	1.865	2.808	7.0	20.8
1 6	4 49.11	+21 20.1	1.934	2.816	10.7	21.1
1 16	4 44.51	+21 16.2	2.027	2.825	13.8	21.3

516571 2007 DL_{114} 12 10.6 282°.97 0°.5/10.6 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 39.79	+21 34.9	1.539	2.381	15.7	22.0
11 17	5 34.33	+21 40.5	1.454	2.366	11.8	21.7
11 27	5 25.84	+21 45.9	1.391	2.351	7.1	21.4
12 7	5 15.21	+21 50.0	1.353	2.336	2.0	21.0
12 17	5 3.76	+21 52.4	1.343	2.321	3.5	21.1
12 27	4 53.10	+21 54.2	1.361	2.306	8.7	21.4
1 6	4 44.65	+21 57.5	1.403	2.291	13.5	21.6
1 16	4 39.34	+22 4.3	1.467	2.277	17.6	21.8

446898 2002 PR_{183} 12 10.6 9°.67 11°.9/ 9.3 17

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 32.66	− 0 23.4	1.242	2.075	19.2	20.3
11 17	5 28.91	− 1 42.2	1.194	2.078	16.2	20.1
11 27	5 22.42	− 2 38.2	1.165	2.082	13.4	20.0
12 7	5 14.22	− 3 3.7	1.157	2.087	12.0	19.9
12 17	5 5.63	− 2 54.2	1.172	2.094	12.5	20.0
12 27	4 58.12	− 2 10.5	1.208	2.103	14.7	20.1
1 6	4 52.83	− 0 58.2	1.265	2.112	17.5	20.4
1 16	4 50.46	+ 0 34.9	1.340	2.123	20.3	20.6

466274 2013 OL_{4} 12 10.6 46°.01 2°.8/10.3 17

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 35.57	+14 5.6	2.152	2.979	12.4	20.8
11 17	5 30.18	+14 5.7	2.080	2.982	9.3	20.6
11 27	5 22.85	+14 10.9	2.032	2.985	5.9	20.4
12 7	5 14.31	+14 21.8	2.012	2.989	3.1	20.2
12 17	5 5.43	+14 38.7	2.022	2.992	3.9	20.3
12 27	4 57.20	+15 1.7	2.061	2.996	7.1	20.5
1 6	4 50.45	+15 30.2	2.127	3.000	10.3	20.7
1 16	4 45.79	+16 3.8	2.217	3.003	13.2	20.9

386048 2007 EQ_{217} 12 10.6 239°.60 2°.1/10.9 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 41.60	+27 52.9	1.677	2.508	15.1	21.7
11 17	5 35.47	+28 10.2	1.597	2.502	11.4	21.4
11 27	5 26.41	+28 21.5	1.540	2.495	7.2	21.1
12 7	5 15.35	+28 23.8	1.509	2.489	2.9	20.9
12 17	5 3.63	+28 16.2	1.506	2.482	3.7	20.9
12 27	4 52.82	+28 0.0	1.532	2.475	8.2	21.2
1 6	4 44.27	+27 39.2	1.583	2.468	12.4	21.4
1 16	4 38.80	+27 18.1	1.657	2.461	16.1	21.6

385721 2005 UB_{179} 12 10.6 324°.60 2°.2/10.3 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 36.93	+19 10.8	1.323	2.177	17.0	20.8
11 17	5 32.44	+18 53.0	1.246	2.164	12.8	20.5
11 27	5 24.79	+18 35.9	1.190	2.152	7.8	20.2
12 7	5 14.94	+18 20.8	1.158	2.140	2.9	19.9
12 17	5 4.31	+18 9.2	1.152	2.129	4.4	19.9
12 27	4 54.63	+18 3.3	1.172	2.118	9.8	20.2
1 6	4 47.35	+18 5.2	1.215	2.108	14.8	20.5
1 16	4 43.39	+18 15.8	1.278	2.099	19.0	20.7

322960 2002 JF_{117} 12 10.6 93°.86 0°.2/10.7 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
11 7	5 37.90	+22 10.5	2.254	3.078	12.0	20.5
11 17	5 31.86	+22 35.0	2.186	3.090	8.8	20.3
11 27	5 23.85	+22 59.0	2.143	3.101	5.3	20.1
12 7	5 14.59	+23 21.2	2.128	3.112	1.4	19.9
12 17	5 5.00	+23 40.7	2.145	3.122	2.5	20.0
12 27	4 56.12	+23 57.5	2.191	3.133	6.2	20.3
1 6	4 48.80	+24 12.6	2.265	3.144	9.5	20.5
1 16	4 43.64	+24 27.3	2.364	3.154	12.3	20.7

344214 2001 RH_{36} 12 10.6 110°.66 4°.1/ 9.9 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 41.41	+13 18.3	1.778	2.603	14.7	21.4
11 17	5 34.54	+12 42.2	1.724	2.624	11.1	21.3
11 27	5 25.42	+12 11.6	1.694	2.644	7.2	21.1
12 7	5 15.01	+11 48.7	1.692	2.664	4.3	21.0
12 17	5 4.43	+11 35.6	1.718	2.683	5.2	21.1
12 27	4 54.88	+11 33.3	1.774	2.701	8.6	21.3
1 6	4 47.31	+11 42.0	1.855	2.719	12.0	21.5
1 16	4 42.28	+12 0.7	1.959	2.736	15.0	21.8

298383 2003 SD_{101} 12 10.6 62°.77 4°.4/ 9.5 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 39.58	+15 52.2	1.530	2.370	15.9	20.2
11 17	5 33.41	+14 35.7	1.482	2.391	11.9	20.0
11 27	5 24.80	+13 21.8	1.457	2.412	7.7	19.8
12 7	5 14.83	+12 15.1	1.459	2.433	4.6	19.6
12 17	5 4.77	+11 20.3	1.489	2.454	5.8	19.8
12 27	4 55.94	+10 40.8	1.546	2.475	9.4	20.0
1 6	4 49.29	+10 18.0	1.628	2.496	13.1	20.3
1 16	4 45.37	+10 10.9	1.731	2.517	16.3	20.6

508907 2003 XH_{14} 12 10.6 22°.08 15°.6/21.5 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 53.40	+61 8.0	0.713	1.514	32.6	18.3
11 17	5 46.85	+59 55.1	0.687	1.537	28.4	18.2
11 27	5 33.04	+57 35.2	0.670	1.564	23.6	18.0
12 7	5 16.72	+54 1.1	0.669	1.594	18.9	17.9
12 17	5 2.52	+49 24.6	0.687	1.626	16.0	17.9
12 27	4 53.36	+44 17.7	0.727	1.661	16.1	18.1
1 6	4 49.87	+39 17.2	0.790	1.698	18.7	18.4
1 16	4 51.41	+34 49.1	0.874	1.737	22.1	18.8

495267 2013 QM_{14} 12 10.7 295°.91 4°.7/11.9 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 38.67	+37 58.4	2.377	3.174	12.3	21.3
11 17	5 32.73	+38 21.7	2.294	3.170	9.8	21.1
11 27	5 24.51	+38 33.5	2.236	3.166	7.1	21.0
12 7	5 14.81	+38 30.7	2.205	3.162	5.1	20.8
12 17	5 4.69	+38 12.2	2.202	3.158	5.1	20.8
12 27	4 55.33	+37 39.5	2.229	3.154	7.2	21.0
1 6	4 47.73	+36 56.5	2.283	3.151	9.9	21.1
1 16	4 42.58	+36 8.2	2.360	3.147	12.4	21.3

215643 2003 UJ_{27} 12 10.7 89°.05 1°.6/10.5 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 44.73	+18 16.8	1.412	2.250	17.1	20.2
11 17	5 37.57	+18 29.4	1.363	2.272	12.6	20.0
11 27	5 27.46	+18 45.0	1.336	2.295	7.6	19.8
12 7	5 15.59	+19 2.7	1.334	2.316	2.5	19.5
12 17	5 3.47	+19 21.6	1.361	2.338	3.9	19.7
12 27	4 52.70	+19 41.9	1.416	2.359	8.8	20.0
1 6	4 44.51	+20 4.2	1.496	2.380	13.1	20.3
1 16	4 39.54	+20 29.4	1.598	2.400	16.7	20.6

467150 2016 EV_{83} 12 10.7 321°.83 6°.0/10.8 16

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 39.73	+35 51.3	1.937	2.749	14.1	21.0
11 17	5 34.33	+37 7.8	1.845	2.729	11.3	20.8
11 27	5 25.94	+38 16.8	1.776	2.710	8.3	20.6
12 7	5 15.32	+39 12.0	1.734	2.691	6.2	20.4
12 17	5 3.68	+39 48.6	1.720	2.673	6.6	20.4
12 27	4 52.60	+40 5.2	1.733	2.655	9.2	20.5
1 6	4 43.55	+40 4.5	1.772	2.637	12.4	20.7
1 16	4 37.57	+39 51.7	1.832	2.621	15.4	20.9

80250 1999 WW_{9} 12 10.7 22°.73 2°.2/10.6 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 35.53	+17 38.9	0.787	1.674	22.2	17.3
11 17	5 32.11	+17 55.6	0.756	1.691	16.5	17.0
11 27	5 24.69	+18 19.3	0.743	1.710	9.9	16.8
12 7	5 14.88	+18 48.9	0.749	1.732	3.4	16.5
12 17	5 4.80	+19 22.5	0.777	1.756	5.0	16.7
12 27	4 56.64	+19 58.9	0.827	1.782	11.1	17.1
1 6	4 51.88	+20 37.5	0.897	1.810	16.5	17.5
1 16	4 51.12	+21 17.6	0.985	1.839	20.9	17.9

191650 2004 PC_{51} 12 10.7 171°.73 2°.4/11.1 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 43.02	+29 29.8	1.976	2.794	13.7	20.9
11 17	5 36.07	+29 47.0	1.900	2.797	10.4	20.7
11 27	5 26.55	+29 56.9	1.848	2.800	6.6	20.5
12 7	5 15.38	+29 57.2	1.824	2.802	3.0	20.3
12 17	5 3.76	+29 46.8	1.830	2.804	3.6	20.3
12 27	4 53.03	+29 27.4	1.865	2.805	7.3	20.5
1 6	4 44.33	+29 2.8	1.928	2.805	10.9	20.7
1 16	4 38.38	+28 37.0	2.014	2.805	14.1	21.0

168108 2006 EM_{51} 12 10.7 121°.45 6°.8/ 9.7 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
11 7	5 38.51	+ 4 46.4	1.946	2.755	14.2	21.1
11 17	5 32.31	+ 4 5.1	1.889	2.768	11.3	20.9
11 27	5 24.10	+ 3 35.8	1.855	2.781	8.6	20.7
12 7	5 14.67	+ 3 21.8	1.847	2.794	6.9	20.7
12 17	5 5.03	+ 3 25.2	1.868	2.807	7.4	20.7
12 27	4 56.21	+ 3 46.1	1.916	2.818	9.7	20.9
1 6	4 49.07	+ 4 22.5	1.990	2.830	12.4	21.1
1 16	4 44.19	+ 5 11.4	2.086	2.841	14.9	21.3

69241 1979 MX_{3} 12 10.7 69°.98 0°.4/10.6 18

11 7	5 44.63	+23 31.5	1.261	2.106	18.3	19.7
11 17	5 37.65	+23 10.7	1.218	2.132	13.4	19.4
11 27	5 27.51	+22 45.7	1.197	2.158	8.0	19.2
12 7	5 15.59	+22 16.7	1.200	2.183	2.1	18.9
12 17	5 3.60	+21 45.8	1.231	2.209	3.7	19.1
12 27	4 53.28	+21 16.6	1.288	2.234	9.1	19.5
1 6	4 45.83	+20 53.1	1.370	2.260	13.7	19.8
1 16	4 41.83	+20 37.6	1.473	2.284	17.4	20.2

145459 2005 SA_{25} 12 10.7 102°.41 0°.1/10.7 18

11 7	5 38.31	+22 17.7	2.025	2.854	13.0	20.1
11 17	5 32.41	+22 33.2	1.953	2.859	9.6	19.9
11 27	5 24.29	+22 47.8	1.906	2.865	5.7	19.6
12 7	5 14.76	+23 0.5	1.887	2.870	1.6	19.4
12 17	5 4.84	+23 10.6	1.898	2.876	2.7	19.5
12 27	4 55.69	+23 18.8	1.938	2.881	6.8	19.7
1 6	4 48.26	+23 26.3	2.005	2.886	10.4	20.0
1 16	4 43.22	+23 34.6	2.096	2.891	13.5	20.2

422549 2014 TG_{30} 12 10.7 177°.24 0°.1/10.7 17

11 7	5 36.69	+22 45.2	2.697	3.516	10.4	21.8
11 17	5 30.76	+22 55.7	2.616	3.517	7.7	21.7
11 27	5 23.14	+23 4.8	2.562	3.518	4.6	21.5
12 7	5 14.43	+23 12.0	2.536	3.519	1.3	21.2
12 17	5 5.41	+23 16.9	2.542	3.520	2.2	21.3
12 27	4 56.93	+23 20.2	2.579	3.520	5.4	21.5
1 6	4 49.72	+23 22.9	2.644	3.519	8.4	21.7
1 16	4 44.34	+23 26.4	2.735	3.518	11.0	21.9

162307 1999 VP_{213} 12 10.7 41°.60 4°.4/10.8 18

11 7	5 40.86	+10 39.9	1.292	2.134	18.1	18.8
11 17	5 34.81	+11 8.0	1.249	2.157	13.7	18.6
11 27	5 25.85	+11 49.4	1.228	2.181	8.9	18.4
12 7	5 15.17	+12 43.2	1.231	2.206	4.9	18.3
12 17	5 4.26	+13 47.0	1.261	2.232	5.5	18.4
12 27	4 54.68	+14 57.3	1.318	2.258	9.6	18.7
1 6	4 47.61	+16 10.8	1.399	2.284	13.8	19.0
1 16	4 43.70	+17 24.8	1.502	2.311	17.3	19.3

435128 2007 EY_{104} 12 10.7 137°.69 1°.2/10.4 18

11 7	5 41.24	+20 4.4	1.927	2.753	13.6	21.9
11 17	5 34.50	+19 53.6	1.860	2.765	10.1	21.7
11 27	5 25.48	+19 42.4	1.819	2.776	6.1	21.5
12 7	5 15.07	+19 31.2	1.805	2.787	2.0	21.2
12 17	5 4.37	+19 20.7	1.821	2.797	3.2	21.4
12 27	4 54.59	+19 12.3	1.867	2.807	7.2	21.6
1 6	4 46.68	+19 7.8	1.940	2.816	11.0	21.9
1 16	4 41.28	+19 8.5	2.036	2.824	14.1	22.1

266515 2008 ED_{120} 12 10.7 203°.36 0°.6/10.7 18

11 7	5 42.73	+24 23.4	1.842	2.668	14.2	21.9
11 17	5 36.01	+24 30.0	1.760	2.664	10.6	21.6
11 27	5 26.62	+24 33.3	1.701	2.659	6.4	21.4
12 7	5 15.44	+24 31.7	1.671	2.653	1.9	21.1
12 17	5 3.70	+24 24.9	1.670	2.647	3.0	21.1
12 27	4 52.78	+24 14.2	1.698	2.641	7.6	21.4
1 6	4 43.89	+24 2.5	1.753	2.633	11.7	21.6
1 16	4 37.80	+23 52.7	1.832	2.625	15.2	21.9

176607 2002 EN_{67} 12 10.7 302°.16 0°.1/10.7 18

11 7	5 40.63	+24 1.0	1.300	2.150	17.5	20.4
11 17	5 35.29	+23 47.9	1.226	2.143	13.2	20.1
11 27	5 26.55	+23 29.8	1.174	2.136	8.0	19.8
12 7	5 15.48	+23 6.3	1.145	2.129	2.2	19.4
12 17	5 3.68	+22 38.3	1.144	2.122	3.8	19.5
12 27	4 53.02	+22 9.3	1.168	2.116	9.5	19.8
1 6	4 45.03	+21 43.8	1.216	2.110	14.7	20.1
1 16	4 40.61	+21 25.3	1.284	2.104	19.0	20.3

365433 2010 LS_{90} 12 10.7 221°.86 0°.6/10.8 18

11 7	5 39.24	+27 6.8	1.993	2.819	13.3	21.0
11 17	5 33.12	+26 30.8	1.913	2.817	9.9	20.8
11 27	5 24.72	+25 46.9	1.857	2.815	6.0	20.6
12 7	5 14.89	+24 55.4	1.830	2.812	1.8	20.3
12 17	5 4.74	+23 58.6	1.832	2.810	2.8	20.3
12 27	4 55.46	+23 0.2	1.864	2.807	7.0	20.6
1 6	4 48.05	+22 4.6	1.923	2.804	10.8	20.8
1 16	4 43.13	+21 15.6	2.006	2.802	14.0	21.0

4535 Adamcarolla 12 10.7 208°.59 3°.0/10.1 18 A

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
11 7	5 36.63	+13 51.8	2.391	3.210	11.6	17.5
11 17	5 30.85	+13 35.9	2.307	3.205	8.7	17.3
11 27	5 23.26	+13 23.9	2.250	3.200	5.7	17.1
12 7	5 14.50	+13 17.0	2.220	3.194	3.2	17.0
12 17	5 5.37	+13 16.2	2.221	3.188	3.9	17.0
12 27	4 56.79	+13 22.3	2.252	3.181	6.9	17.2
1 6	4 49.57	+13 35.5	2.310	3.174	10.0	17.4
1 16	4 44.27	+13 55.6	2.393	3.166	12.7	17.5

520187 2014 DC_{98} 12 10.7 285°.99 4°.0/ 9.9 18

11 7	5 38.07	+15 13.0	1.581	2.421	15.4	21.9
11 17	5 32.89	+14 35.5	1.493	2.402	11.8	21.6
11 27	5 24.93	+14 0.8	1.428	2.384	7.7	21.3
12 7	5 15.03	+13 31.6	1.389	2.365	4.2	21.1
12 17	5 4.40	+13 10.8	1.377	2.346	5.4	21.1
12 27	4 54.48	+13 1.1	1.392	2.328	9.7	21.3
1 6	4 46.57	+13 3.7	1.432	2.309	14.1	21.5
1 16	4 41.54	+13 18.7	1.493	2.290	17.9	21.7

519404 2011 SV_{279} 12 10.7 12°.48 3°.2/10.7 18

11 7	5 38.89	+13 0.7	1.598	2.434	15.5	20.8
11 17	5 33.29	+13 27.1	1.529	2.435	11.8	20.6
11 27	5 25.04	+14 3.3	1.482	2.437	7.5	20.3
12 7	5 15.03	+14 48.8	1.461	2.439	3.7	20.1
12 17	5 4.47	+15 42.0	1.469	2.442	4.5	20.2
12 27	4 54.75	+16 40.8	1.504	2.445	8.6	20.4
1 6	4 47.06	+17 43.1	1.566	2.448	12.7	20.7
1 16	4 42.18	+18 47.2	1.650	2.452	16.3	20.9

332808 2009 WD_{162} 12 10.7 181°.34 1°.2/10.9 18

11 7	5 37.08	+26 31.2	2.632	3.449	10.7	21.3
11 17	5 31.17	+26 49.2	2.551	3.449	8.0	21.1
11 27	5 23.44	+27 3.7	2.495	3.449	4.9	20.9
12 7	5 14.56	+27 13.5	2.468	3.449	1.8	20.7
12 17	5 5.32	+27 17.9	2.473	3.449	2.4	20.7
12 27	4 56.64	+27 17.4	2.508	3.448	5.6	20.9
1 6	4 49.32	+27 13.8	2.571	3.447	8.6	21.1
1 16	4 43.93	+27 9.0	2.660	3.446	11.2	21.3

218916 2007 SD_{12} 12 10.7 357°.83 23°.2/15.5 17

11 7	5 57.84	+60 38.5	0.957	1.723	28.4	18.9
11 17	5 54.29	+63 22.5	0.914	1.720	26.4	18.8
11 27	5 41.23	+65 26.4	0.884	1.718	24.7	18.7
12 7	5 20.01	+66 27.8	0.866	1.717	23.5	18.6
12 17	4 55.96	+66 10.4	0.863	1.717	23.2	18.6
12 27	4 36.42	+64 36.5	0.874	1.718	23.8	18.6
1 6	4 25.84	+62 6.8	0.900	1.719	25.2	18.7
1 16	4 24.65	+59 5.7	0.939	1.722	27.0	18.9

72657 2001 FM_{46} 12 10.7 125°.73 5°.6/11.7 18

11 7	5 41.57	+39 39.6	2.433	3.219	12.4	18.8
11 17	5 34.93	+40 31.2	2.360	3.225	10.0	18.7
11 27	5 25.88	+41 11.1	2.312	3.231	7.5	18.5
12 7	5 15.25	+41 35.4	2.291	3.237	5.8	18.4
12 17	5 4.14	+41 41.7	2.299	3.242	5.9	18.4
12 27	4 53.81	+41 30.7	2.336	3.248	7.7	18.5
1 6	4 45.32	+41 6.0	2.399	3.253	10.0	18.7
1 16	4 39.39	+40 32.8	2.486	3.258	12.3	18.9

340 Eduarda 12 10.7 6°.35 2°.5/11.0 18

11 7	5 38.30	+28 12.7	1.588	2.427	15.4	13.7
11 17	5 33.11	+28 38.7	1.518	2.427	11.6	13.4
11 27	5 25.03	+28 58.6	1.471	2.428	7.3	13.2
12 7	5 15.05	+29 9.5	1.450	2.429	3.2	13.0
12 17	5 4.51	+29 10.0	1.456	2.431	3.9	13.0
12 27	4 54.96	+29 1.4	1.489	2.434	8.2	13.3
1 6	4 47.68	+28 47.2	1.547	2.437	12.4	13.5
1 16	4 43.46	+28 31.5	1.627	2.441	15.9	13.8

515883 2015 PB_{30} 12 10.7 176°.13 1°.8/10.3 18

11 7	5 39.15	+19 10.1	1.906	2.737	13.6	21.7
11 17	5 33.09	+18 47.1	1.832	2.738	10.1	21.5
11 27	5 24.74	+18 24.0	1.782	2.739	6.2	21.2
12 7	5 14.93	+18 1.7	1.759	2.740	2.3	21.0
12 17	5 4.75	+17 41.9	1.766	2.740	3.5	21.1
12 27	4 55.38	+17 26.4	1.801	2.740	7.5	21.3
1 6	4 47.83	+17 17.0	1.864	2.740	11.3	21.5
1 16	4 42.74	+17 14.8	1.949	2.739	14.6	21.8

212898 2007 WT_{5} 12 10.7 298°.07 0°.2/10.6 18

11 7	5 38.54	+25 26.9	1.712	2.548	14.6	19.7
11 17	5 33.06	+24 45.5	1.625	2.535	10.9	19.5
11 27	5 24.92	+23 56.2	1.562	2.522	6.6	19.2
12 7	5 15.02	+22 59.7	1.526	2.509	1.8	18.8
12 17	5 4.59	+21 58.7	1.518	2.496	3.2	18.9
12 27	4 55.03	+20 57.7	1.539	2.483	8.0	19.2
1 6	4 47.53	+20 1.9	1.585	2.471	12.4	19.4
1 16	4 42.84	+19 15.1	1.655	2.459	16.2	19.6

369667 2011 HM_{29} 12 10.7 171°.75 1°.5/10.5 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
11 7	5 40.91	+18 32.3	1.781	2.611	14.4	21.0
11 17	5 34.58	+18 38.9	1.707	2.613	10.7	20.8
11 27	5 25.74	+18 47.6	1.657	2.615	6.5	20.6
12 7	5 15.23	+18 58.3	1.635	2.617	2.2	20.3
12 17	5 4.24	+19 10.5	1.641	2.618	3.4	20.4
12 27	4 54.09	+19 24.7	1.677	2.618	7.8	20.7
1 6	4 45.90	+19 41.7	1.739	2.618	11.8	20.9
1 16	4 40.40	+20 2.1	1.824	2.618	15.3	21.1

189349 2008 CX_{191} 12 10.7 76°.00 2°.4/11.2 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 40.57	+30 3.6	1.887	2.710	14.0	20.8
11 17	5 34.16	+30 8.7	1.828	2.728	10.5	20.7
11 27	5 25.34	+30 5.3	1.793	2.745	6.7	20.5
12 7	5 15.08	+29 52.0	1.785	2.763	3.0	20.3
12 17	5 4.60	+29 28.8	1.805	2.780	3.5	20.3
12 27	4 55.18	+28 58.3	1.855	2.797	7.1	20.6
1 6	4 47.83	+28 24.5	1.932	2.815	10.7	20.9
1 16	4 43.16	+27 51.4	2.032	2.832	13.7	21.1

492226 2013 TF_{42} 12 10.7 88°.20 2°.7/10.3 17

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 34.39	+13 15.7	2.611	3.430	10.7	21.2
11 17	5 28.97	+13 12.1	2.546	3.443	8.0	21.1
11 27	5 22.03	+13 13.1	2.506	3.456	5.2	20.9
12 7	5 14.17	+13 19.4	2.495	3.469	2.9	20.8
12 17	5 6.10	+13 31.2	2.515	3.482	3.5	20.8
12 27	4 58.60	+13 48.7	2.564	3.494	6.1	21.0
1 6	4 52.33	+14 11.7	2.642	3.507	8.8	21.2
1 16	4 47.77	+14 39.6	2.744	3.519	11.2	21.4

193113 2000 GF_{159} 12 10.7 273°.14 9°.0/ 6.5 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 33.92	− 2 46.6	2.409	3.188	12.7	19.8
11 17	5 28.84	− 4 27.3	2.334	3.176	10.9	19.6
11 27	5 22.07	− 5 56.2	2.284	3.164	9.5	19.5
12 7	5 14.21	− 7 7.5	2.260	3.151	9.0	19.5
12 17	5 5.99	− 7 56.8	2.263	3.139	9.7	19.5
12 27	4 58.27	− 8 21.8	2.292	3.126	11.1	19.6
1 6	4 51.79	− 8 23.1	2.344	3.114	13.0	19.7
1 16	4 47.09	− 8 3.5	2.416	3.101	14.8	19.8

384621 2011 CW_{87} 12 10.7 221°.16 2°.1/11.1 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 42.60	+29 5.9	1.637	2.466	15.5	21.2
11 17	5 36.24	+29 1.0	1.558	2.462	11.7	20.9
11 27	5 26.89	+28 46.9	1.502	2.458	7.4	20.7
12 7	5 15.57	+28 21.8	1.472	2.453	3.0	20.4
12 17	5 3.68	+27 45.7	1.471	2.447	3.7	20.4
12 27	4 52.84	+27 2.2	1.498	2.442	8.2	20.7
1 6	4 44.36	+26 16.4	1.550	2.436	12.6	20.9
1 16	4 39.04	+25 33.7	1.625	2.430	16.4	21.2

511810 2015 FS_{123} 12 10.7 227°.90 3°.3/10.2 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 41.03	+15 27.0	1.662	2.494	15.2	22.0
11 17	5 34.89	+15 7.0	1.581	2.486	11.5	21.8
11 27	5 26.05	+14 50.9	1.522	2.477	7.3	21.5
12 7	5 15.36	+14 40.1	1.490	2.468	3.7	21.3
12 17	5 4.04	+14 36.2	1.487	2.458	4.8	21.3
12 27	4 53.52	+14 40.6	1.512	2.447	9.0	21.5
1 6	4 45.01	+14 53.8	1.562	2.437	13.2	21.8
1 16	4 39.35	+15 15.9	1.634	2.425	16.9	22.0

320268 2007 RG_{19} 12 10.7 89°.02 5°.2/11.5 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 42.81	+35 15.1	1.726	2.542	15.4	20.5
11 17	5 36.46	+35 53.8	1.655	2.545	12.1	20.3
11 27	5 27.05	+36 20.5	1.608	2.548	8.5	20.0
12 7	5 15.62	+36 30.6	1.586	2.551	5.6	19.9
12 17	5 3.63	+36 21.7	1.591	2.554	5.8	19.9
12 27	4 52.73	+35 55.6	1.624	2.557	8.8	20.1
1 6	4 44.28	+35 17.8	1.683	2.560	12.3	20.3
1 16	4 39.06	+34 34.7	1.764	2.563	15.5	20.5

81235 2000 FM_{27} 12 10.7 155°.46 0°.5/10.8 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 38.92	+24 40.6	1.987	2.815	13.2	20.0
11 17	5 32.94	+24 39.5	1.912	2.818	9.8	19.8
11 27	5 24.67	+24 34.7	1.862	2.820	5.9	19.6
12 7	5 14.94	+24 25.4	1.839	2.822	1.7	19.3
12 17	5 4.83	+24 12.0	1.846	2.824	2.7	19.4
12 27	4 55.52	+23 56.0	1.882	2.826	6.9	19.6
1 6	4 48.03	+23 40.0	1.945	2.827	10.6	19.9
1 16	4 43.00	+23 26.5	2.032	2.828	13.8	20.1

206365 2003 QT_{64} 12 10.7 51°.81 4°.0/10.3 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 40.13	+13 40.7	1.397	2.239	17.0	19.5
11 17	5 34.04	+13 26.5	1.356	2.265	12.7	19.3
11 27	5 25.31	+13 19.9	1.337	2.292	8.1	19.1
12 7	5 15.08	+13 22.4	1.344	2.320	4.4	19.0
12 17	5 4.73	+13 34.5	1.377	2.347	5.3	19.1
12 27	4 55.68	+13 56.1	1.437	2.375	9.2	19.4
1 6	4 48.98	+14 26.2	1.522	2.403	13.1	19.7
1 16	4 45.20	+15 3.3	1.629	2.431	16.5	20.0

369456 2010 OR_{122} 12 10.7 32°.56 2°.6/10.3 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
11 7	5 39.13	+19 2.8	1.039	1.904	19.8	20.3
11 17	5 34.28	+18 36.5	0.991	1.915	14.7	20.0
11 27	5 25.89	+18 11.9	0.963	1.926	8.9	19.7
12 7	5 15.30	+17 50.9	0.957	1.939	3.4	19.5
12 17	5 4.33	+17 35.6	0.975	1.952	5.0	19.6
12 27	4 54.93	+17 28.8	1.018	1.966	10.6	20.0
1 6	4 48.52	+17 31.8	1.083	1.981	15.7	20.3
1 16	4 45.81	+17 44.8	1.166	1.997	19.9	20.6

479435 2013 YT_{99} 12 10.7 25°.98 1°.0/10.6 16

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 38.53	+20 49.8	1.133	1.995	18.7	20.8
11 17	5 33.76	+20 50.1	1.081	2.003	13.9	20.6
11 27	5 25.58	+20 50.8	1.048	2.012	8.3	20.3
12 7	5 15.23	+20 51.5	1.039	2.023	2.4	20.0
12 17	5 4.42	+20 52.6	1.056	2.034	4.1	20.1
12 27	4 55.02	+20 55.4	1.096	2.046	9.7	20.5
1 6	4 48.45	+21 1.9	1.160	2.059	14.8	20.8
1 16	4 45.46	+21 13.6	1.243	2.073	18.9	21.1

447468 2006 QK_{5} 12 10.7 110°.90 4°.2/ 9.9 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 38.51	+11 1.9	2.150	2.967	12.8	22.2
11 17	5 32.16	+10 30.6	2.094	2.987	9.7	22.0
11 27	5 23.97	+10 5.6	2.063	3.007	6.6	21.9
12 7	5 14.72	+ 9 49.1	2.059	3.026	4.4	21.8
12 17	5 5.32	+ 9 42.4	2.086	3.044	5.1	21.8
12 27	4 56.71	+ 9 46.5	2.141	3.062	7.7	22.0
1 6	4 49.68	+10 0.8	2.224	3.080	10.6	22.3
1 16	4 44.75	+10 24.2	2.330	3.096	13.2	22.5

437190 2012 VQ_{101} 12 10.7 112°.19 0°.2/10.7 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 42.36	+22 1.4	1.821	2.649	14.3	21.6
11 17	5 35.49	+22 13.9	1.760	2.665	10.5	21.4
11 27	5 26.17	+22 25.4	1.724	2.682	6.3	21.2
12 7	5 15.35	+22 34.5	1.715	2.698	1.7	20.9
12 17	5 4.24	+22 40.9	1.735	2.713	2.9	21.1
12 27	4 54.12	+22 45.4	1.786	2.728	7.3	21.4
1 6	4 46.05	+22 49.6	1.863	2.743	11.1	21.6
1 16	4 40.66	+22 55.5	1.963	2.757	14.4	21.9

151584 2002 TS_{297} 12 10.7 341°.69 3°.3/10.0 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 33.88	+19 28.7	1.067	1.938	18.9	19.5
11 17	5 30.72	+18 38.0	0.997	1.924	14.2	19.2
11 27	5 24.03	+17 44.9	0.947	1.911	8.8	18.9
12 7	5 14.89	+16 53.1	0.919	1.900	3.8	18.6
12 17	5 4.94	+16 7.5	0.914	1.890	5.6	18.6
12 27	4 56.13	+15 33.7	0.933	1.881	11.3	18.9
1 6	4 50.08	+15 15.0	0.973	1.874	16.7	19.2
1 16	4 47.74	+15 12.5	1.031	1.869	21.4	19.5

19936 1981 EZ_{12} 12 10.7 19°.98 1°.4/10.9 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 39.89	+27 31.6	1.132	1.989	19.1	17.6
11 17	5 34.96	+27 14.7	1.074	1.993	14.3	17.4
11 27	5 26.38	+26 47.7	1.036	1.998	8.7	17.1
12 7	5 15.47	+26 9.9	1.021	2.004	2.9	16.8
12 17	5 4.08	+25 23.3	1.031	2.010	4.0	16.8
12 27	4 54.22	+24 33.1	1.066	2.017	9.8	17.2
1 6	4 47.39	+23 46.0	1.124	2.025	15.0	17.5
1 16	4 44.36	+23 7.2	1.201	2.034	19.3	17.8

39985 1998 HT_{23} 12 10.7 103°.77 6°.7/12.1 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 47.28	+40 24.1	1.896	2.686	15.2	19.7
11 17	5 39.58	+41 16.4	1.838	2.705	12.3	19.5
11 27	5 28.80	+41 52.9	1.803	2.723	9.3	19.4
12 7	5 16.10	+42 8.1	1.794	2.740	7.1	19.3
12 17	5 3.00	+41 59.6	1.812	2.757	7.0	19.3
12 27	4 51.19	+41 29.6	1.859	2.774	9.1	19.5
1 6	4 41.97	+40 44.3	1.931	2.790	11.8	19.7
1 16	4 36.06	+39 51.3	2.027	2.806	14.5	19.9

16728 1996 GB_{18} 12 10.7 35°.63 3°.1/10.9 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 43.13	+27 49.5	1.236	2.083	18.5	18.0
11 17	5 37.40	+28 29.7	1.174	2.086	14.0	17.7
11 27	5 27.93	+29 4.0	1.132	2.090	8.8	17.5
12 7	5 15.94	+29 27.3	1.114	2.094	3.9	17.2
12 17	5 3.21	+29 36.7	1.122	2.098	4.8	17.3
12 27	4 51.84	+29 33.3	1.156	2.102	9.8	17.6
1 6	4 43.48	+29 21.9	1.213	2.107	14.7	17.9
1 16	4 39.03	+29 8.1	1.290	2.112	18.9	18.1

350497 1999 VB_{145} 12 10.7 19°.00 2°.1/11.1 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 35.80	+27 58.8	1.034	1.902	19.6	19.7
11 17	5 31.99	+27 56.9	0.990	1.914	14.7	19.4
11 27	5 24.57	+27 45.1	0.966	1.929	9.0	19.2
12 7	5 14.95	+27 22.2	0.963	1.945	3.3	18.9
12 17	5 5.03	+26 49.6	0.985	1.963	4.2	19.0
12 27	4 56.76	+26 12.1	1.030	1.983	9.7	19.4
1 6	4 51.53	+25 35.5	1.098	2.005	14.7	19.7
1 16	4 49.97	+25 4.4	1.184	2.028	18.8	20.1

394488 2007 TK_{98} 12 10.7 103°.15 1°.2/10.9 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
11 7	5 40.55	+25 54.5	1.798	2.628	14.3	21.6
11 17	5 34.35	+26 8.0	1.730	2.636	10.7	21.4
11 27	5 25.60	+26 17.0	1.686	2.644	6.5	21.1
12 7	5 15.23	+26 19.9	1.670	2.651	2.2	20.9
12 17	5 4.46	+26 16.1	1.682	2.659	3.1	21.0
12 27	4 54.64	+26 7.0	1.722	2.666	7.4	21.2
1 6	4 46.88	+25 55.5	1.790	2.674	11.3	21.5
1 16	4 41.87	+25 44.7	1.880	2.681	14.6	21.7

474282 2001 UV_{55} 12 10.7 71°.09 1°.9/10.9 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 44.14	+27 18.0	1.436	2.273	16.9	21.5
11 17	5 37.27	+27 31.5	1.388	2.296	12.6	21.3
11 27	5 27.37	+27 38.0	1.363	2.320	7.7	21.0
12 7	5 15.68	+27 35.0	1.362	2.343	2.9	20.8
12 17	5 3.81	+27 22.5	1.390	2.367	3.7	20.9
12 27	4 53.38	+27 3.1	1.445	2.390	8.4	21.3
1 6	4 45.63	+26 41.2	1.525	2.413	12.6	21.6
1 16	4 41.17	+26 21.0	1.627	2.436	16.2	21.9

494981 2009 WE_{260} 12 10.7 305°.40 3°.0/11.5 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 37.20	+32 37.3	2.253	3.068	12.3	21.3
11 17	5 31.67	+32 41.6	2.167	3.060	9.4	21.1
11 27	5 23.94	+32 36.8	2.105	3.052	6.3	20.9
12 7	5 14.79	+32 21.2	2.070	3.044	3.4	20.7
12 17	5 5.21	+31 54.4	2.065	3.036	3.7	20.7
12 27	4 56.35	+31 18.5	2.089	3.029	6.7	20.9
1 6	4 49.17	+30 37.0	2.141	3.021	9.9	21.1
1 16	4 44.34	+29 54.2	2.217	3.014	12.8	21.3

391149 2005 YU_{85} 12 10.7 210°.96 0°.7/10.8 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 41.17	+25 22.2	2.014	2.837	13.3	22.2
11 17	5 34.71	+25 22.2	1.929	2.831	9.9	21.9
11 27	5 25.82	+25 17.8	1.868	2.825	6.0	21.7
12 7	5 15.32	+25 7.9	1.835	2.818	1.8	21.4
12 17	5 4.32	+24 52.5	1.833	2.810	2.8	21.5
12 27	4 54.07	+24 33.3	1.860	2.802	7.0	21.7
1 6	4 45.66	+24 13.2	1.914	2.794	10.9	21.9
1 16	4 39.80	+23 55.3	1.993	2.785	14.2	22.1

404364 2013 GX_{20} 12 10.7 256°.74 2°.7/10.2 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 36.89	+16 11.1	1.948	2.780	13.3	21.6
11 17	5 31.44	+15 51.7	1.871	2.777	10.0	21.4
11 27	5 23.81	+15 35.0	1.818	2.774	6.3	21.2
12 7	5 14.76	+15 22.5	1.792	2.770	3.0	21.0
12 17	5 5.30	+15 15.4	1.796	2.767	4.0	21.0
12 27	4 56.55	+15 14.9	1.828	2.764	7.7	21.3
1 6	4 49.47	+15 21.8	1.886	2.761	11.3	21.5
1 16	4 44.72	+15 36.1	1.968	2.758	14.5	21.7

323263 2003 SD_{325} 12 10.7 153°.82 0°.2/10.7 16

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 44.01	+23 34.3	1.685	2.514	15.2	22.0
11 17	5 36.95	+23 20.0	1.616	2.522	11.3	21.7
11 27	5 27.17	+23 1.7	1.571	2.529	6.8	21.5
12 7	5 15.68	+22 39.0	1.553	2.536	1.8	21.2
12 17	5 3.82	+22 13.0	1.564	2.542	3.2	21.3
12 27	4 53.05	+21 46.5	1.604	2.547	7.9	21.6
1 6	4 44.52	+21 22.8	1.671	2.552	12.2	21.9
1 16	4 38.94	+21 4.8	1.760	2.556	15.7	22.1

454922 2015 TH_{150} 12 10.7 31°.02 0°.9/10.5 17

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 37.78	+21 24.6	1.673	2.514	14.7	21.6
11 17	5 32.39	+21 12.2	1.606	2.518	10.9	21.4
11 27	5 24.47	+20 58.3	1.561	2.522	6.5	21.2
12 7	5 14.96	+20 43.4	1.543	2.526	1.9	20.9
12 17	5 5.06	+20 28.5	1.554	2.531	3.3	21.0
12 27	4 56.09	+20 15.5	1.592	2.536	7.8	21.3
1 6	4 49.15	+20 6.6	1.655	2.541	11.9	21.5
1 16	4 44.92	+20 3.3	1.741	2.547	15.4	21.8

440548 2005 UD_{236} 12 10.7 16°.92 0°.2/10.7 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 40.00	+21 19.5	1.306	2.157	17.4	20.7
11 17	5 34.75	+21 51.5	1.242	2.159	13.0	20.4
11 27	5 26.23	+22 25.1	1.200	2.162	7.8	20.1
12 7	5 15.50	+22 57.9	1.183	2.166	2.1	19.8
12 17	5 4.12	+23 27.7	1.192	2.170	3.6	19.9
12 27	4 53.87	+23 53.8	1.227	2.175	9.1	20.2
1 6	4 46.21	+24 17.5	1.286	2.181	14.0	20.5
1 16	4 42.02	+24 40.6	1.366	2.187	18.0	20.8

369566 2011 BH_{19} 12 10.7 24°.13 24°.3/27.2 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	6 2.96	+68 8.2	0.963	1.691	30.6	19.1
11 17	5 59.80	+70 31.8	0.946	1.707	28.8	19.0
11 27	5 44.75	+72 3.4	0.938	1.725	27.0	19.0
12 7	5 20.80	+72 24.4	0.940	1.746	25.6	18.9
12 17	4 56.04	+71 25.5	0.955	1.768	24.6	19.0
12 27	4 38.72	+69 15.9	0.983	1.792	24.3	19.1
1 6	4 31.70	+66 18.2	1.025	1.818	24.6	19.2
1 16	4 33.65	+62 54.8	1.081	1.845	25.3	19.4

187099 2005 QD_{21} 12 10.7 95°.34 5°.0/10.2 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
11 7	5 41.96	+10 57.8	1.604	2.431	15.9	21.1
11 17	5 35.19	+10 31.7	1.554	2.453	12.1	20.9
11 27	5 25.98	+10 14.4	1.528	2.475	8.2	20.8
12 7	5 15.34	+10 8.3	1.527	2.496	5.2	20.6
12 17	5 4.53	+10 14.6	1.555	2.517	6.0	20.7
12 27	4 54.84	+10 33.4	1.610	2.537	9.3	21.0
1 6	4 47.29	+11 3.5	1.691	2.557	12.9	21.2
1 16	4 42.47	+11 42.8	1.794	2.576	15.9	21.5

313209 2001 RT_{152} 12 10.7 1°.66 20°.9/ 7.3 17

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 29.53	−18 57.6	1.238	1.999	23.3	19.6
11 17	5 26.82	−21 10.2	1.204	1.995	22.1	19.5
11 27	5 21.35	−22 41.9	1.185	1.994	21.2	19.4
12 7	5 14.14	−23 22.0	1.181	1.994	20.9	19.4
12 17	5 6.50	−23 5.4	1.193	1.997	21.2	19.4
12 27	4 59.90	−21 53.4	1.219	2.002	22.0	19.5
1 6	4 55.49	−19 54.3	1.260	2.009	23.1	19.6
1 16	4 53.99	−17 19.7	1.315	2.018	24.4	19.8

473589 2015 XV_{242} 12 10.7 320°.97 1°.2/10.5 17

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 36.54	+19 50.2	2.013	2.846	12.9	21.5
11 17	5 31.17	+19 42.7	1.936	2.844	9.6	21.3
11 27	5 23.66	+19 35.4	1.883	2.842	5.8	21.1
12 7	5 14.75	+19 28.6	1.858	2.840	1.9	20.8
12 17	5 5.44	+19 23.0	1.861	2.838	3.0	20.9
12 27	4 56.83	+19 19.7	1.894	2.836	7.0	21.2
1 6	4 49.87	+19 20.1	1.954	2.834	10.7	21.4
1 16	4 45.20	+19 25.1	2.037	2.833	13.8	21.6

144134 2004 BZ_{89} 12 10.7 263°.46 0°.2/10.7 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 40.98	+24 4.4	1.536	2.376	15.9	20.8
11 17	5 35.20	+23 43.1	1.454	2.365	11.9	20.5
11 27	5 26.41	+23 16.3	1.394	2.355	7.2	20.2
12 7	5 15.57	+22 44.0	1.361	2.344	2.0	19.9
12 17	5 4.06	+22 7.7	1.355	2.333	3.4	19.9
12 27	4 53.49	+21 30.9	1.376	2.322	8.7	20.2
1 6	4 45.24	+20 57.8	1.423	2.311	13.4	20.5
1 16	4 40.14	+20 32.1	1.492	2.299	17.4	20.7

409043 2003 RS_{25} 12 10.7 75°.44 1°.9/10.0 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 36.65	+19 58.1	2.171	2.999	12.2	20.1
11 17	5 30.91	+19 4.8	2.104	3.009	9.0	19.9
11 27	5 23.31	+18 9.6	2.062	3.019	5.5	19.7
12 7	5 14.62	+17 14.9	2.049	3.030	2.3	19.5
12 17	5 5.75	+16 23.5	2.067	3.040	3.4	19.6
12 27	4 57.67	+15 38.4	2.114	3.050	6.8	19.9
1 6	4 51.17	+15 1.9	2.189	3.060	10.1	20.1
1 16	4 46.77	+14 35.2	2.287	3.070	12.9	20.3

504966 2011 FS_{152} 12 10.7 96°.88 14°.4/10.3 17

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	6 0.10	+44 17.8	1.130	1.932	22.7	21.2
11 17	5 52.46	+47 22.4	1.082	1.942	19.3	21.0
11 27	5 38.42	+50 6.6	1.054	1.953	16.3	20.8
12 7	5 19.17	+52 9.5	1.047	1.964	14.5	20.8
12 17	4 57.77	+53 16.1	1.064	1.974	14.8	20.8
12 27	4 38.39	+53 25.9	1.102	1.984	17.0	21.0
1 6	4 24.38	+52 52.7	1.161	1.994	19.8	21.2
1 16	4 17.16	+51 55.0	1.235	2.003	22.5	21.4

358607 2007 VQ_{29} 12 10.7 351°.28 4°.8/10.4 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 45.51	+30 1.8	1.728	2.548	15.2	20.3
11 17	5 38.74	+31 43.8	1.651	2.547	11.8	20.0
11 27	5 28.70	+33 23.0	1.600	2.546	8.0	19.8
12 7	5 16.25	+34 51.6	1.576	2.545	5.0	19.6
12 17	5 2.79	+36 3.0	1.581	2.544	5.7	19.7
12 27	4 50.06	+36 54.3	1.615	2.544	9.1	19.9
1 6	4 39.64	+37 27.5	1.675	2.544	12.8	20.1
1 16	4 32.58	+37 47.4	1.758	2.544	16.1	20.3

245852 2006 KV_{123} 12 10.7 117°.07 0°.9/10.6 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 41.43	+18 53.7	2.042	2.864	13.1	20.9
11 17	5 34.62	+19 16.4	1.978	2.880	9.7	20.7
11 27	5 25.64	+19 41.1	1.939	2.896	5.8	20.5
12 7	5 15.29	+20 6.6	1.928	2.911	1.8	20.3
12 17	5 4.63	+20 31.8	1.948	2.925	2.8	20.4
12 27	4 54.79	+20 56.7	1.998	2.939	6.8	20.7
1 6	4 46.72	+21 21.6	2.077	2.953	10.3	20.9
1 16	4 41.04	+21 47.1	2.179	2.966	13.3	21.1

418664 2008 TP_{127} 12 10.7 52°.62 2°.6/11.3 16

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 37.85	+31 4.4	2.117	2.937	12.8	21.4
11 17	5 32.10	+31 13.9	2.051	2.948	9.7	21.2
11 27	5 24.16	+31 15.3	2.009	2.960	6.3	21.1
12 7	5 14.88	+31 6.9	1.995	2.971	3.2	20.9
12 17	5 5.33	+30 48.6	2.010	2.983	3.5	20.9
12 27	4 56.65	+30 22.4	2.054	2.995	6.6	21.1
1 6	4 49.76	+29 51.6	2.126	3.007	9.9	21.4
1 16	4 45.27	+29 20.1	2.221	3.020	12.7	21.6

492168 2013 PB_{48} 12 10.7 187°.94 0°.1/10.7 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
11 7	5 35.90	+23 35.3	2.719	3.538	10.3	21.7
11 17	5 30.24	+23 33.0	2.637	3.538	7.6	21.5
11 27	5 22.91	+23 28.3	2.580	3.537	4.6	21.3
12 7	5 14.54	+23 21.1	2.553	3.536	1.3	21.1
12 17	5 5.87	+23 11.6	2.556	3.534	2.1	21.1
12 27	4 57.74	+23 0.8	2.591	3.532	5.4	21.3
1 6	4 50.87	+22 50.3	2.654	3.530	8.4	21.5
1 16	4 45.79	+22 41.6	2.743	3.528	10.9	21.7

513897 2013 VJ_{25} 12 10.7 278°.65 1°.6/10.9 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 41.66	+25 31.6	1.471	2.311	16.4	21.3
11 17	5 36.00	+25 55.7	1.390	2.301	12.4	21.1
11 27	5 27.06	+26 16.6	1.332	2.291	7.6	20.8
12 7	5 15.80	+26 31.2	1.299	2.281	2.6	20.4
12 17	5 3.69	+26 37.5	1.293	2.271	3.7	20.5
12 27	4 52.50	+26 36.5	1.314	2.260	8.9	20.8
1 6	4 43.74	+26 31.2	1.360	2.250	13.7	21.0
1 16	4 38.41	+26 25.6	1.427	2.240	17.8	21.3

54343 2000 KY_{26} 12 10.7 77°.58 0°.6/10.8 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 39.21	+23 48.8	1.877	2.709	13.7	18.7
11 17	5 33.30	+24 6.6	1.809	2.716	10.2	18.5
11 27	5 24.99	+24 22.3	1.764	2.723	6.1	18.3
12 7	5 15.15	+24 34.4	1.747	2.730	1.8	18.0
12 17	5 4.90	+24 42.1	1.759	2.737	2.8	18.1
12 27	4 55.51	+24 46.1	1.800	2.744	7.1	18.4
1 6	4 48.01	+24 48.4	1.868	2.752	10.9	18.6
1 16	4 43.09	+24 51.0	1.959	2.759	14.1	18.9

427303 2014 WP_{264} 12 10.7 57°.06 2°.3/10.5 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 36.50	+14 46.4	2.185	3.010	12.3	20.4
11 17	5 30.89	+15 1.2	2.119	3.021	9.2	20.2
11 27	5 23.38	+15 20.9	2.079	3.033	5.7	20.1
12 7	5 14.69	+15 45.4	2.066	3.044	2.7	19.9
12 17	5 5.70	+16 14.4	2.083	3.056	3.4	19.9
12 27	4 57.40	+16 47.3	2.130	3.068	6.7	20.2
1 6	4 50.58	+17 23.4	2.205	3.079	9.9	20.4
1 16	4 45.84	+18 2.2	2.304	3.091	12.7	20.6

75288 1999 XL_{26} 12 10.7 339°.45 1°.7/10.3 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 39.55	+21 53.6	1.323	2.174	17.2	18.7
11 17	5 34.32	+21 10.7	1.254	2.171	12.9	18.4
11 27	5 25.92	+20 23.4	1.206	2.168	7.8	18.1
12 7	5 15.46	+19 33.6	1.182	2.165	2.6	17.8
12 17	5 4.44	+18 44.9	1.185	2.162	4.2	17.9
12 27	4 54.58	+18 1.8	1.215	2.160	9.6	18.2
1 6	4 47.26	+17 28.7	1.268	2.159	14.5	18.5
1 16	4 43.28	+17 7.9	1.342	2.157	18.6	18.8

369235 2008 UB_{354} 12 10.7 61°.66 0°.3/10.8 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 36.34	+24 9.7	2.222	3.050	12.0	21.2
11 17	5 30.78	+24 9.1	2.157	3.063	8.9	21.0
11 27	5 23.31	+24 5.7	2.118	3.076	5.3	20.8
12 7	5 14.67	+23 58.9	2.106	3.089	1.5	20.6
12 17	5 5.79	+23 49.2	2.125	3.103	2.4	20.7
12 27	4 57.67	+23 37.9	2.173	3.116	6.1	20.9
1 6	4 51.12	+23 26.9	2.248	3.130	9.4	21.2
1 16	4 46.70	+23 18.0	2.348	3.143	12.2	21.4

187963 2001 PK_{36} 12 10.7 179°.75 0°.6/10.5 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 42.30	+23 14.9	2.087	2.907	13.0	20.5
11 17	5 35.30	+22 44.0	2.008	2.909	9.6	20.3
11 27	5 26.06	+22 8.8	1.953	2.910	5.8	20.0
12 7	5 15.44	+21 29.9	1.928	2.911	1.6	19.8
12 17	5 4.49	+20 49.0	1.934	2.911	2.8	19.8
12 27	4 54.38	+20 9.0	1.970	2.909	6.9	20.1
1 6	4 46.07	+19 33.2	2.034	2.908	10.6	20.3
1 16	4 40.19	+19 4.1	2.122	2.905	13.8	20.5

273071 2006 DV_{212} 12 10.7 149°.57 1°.1/10.9 17

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 37.36	+26 27.6	2.439	3.259	11.3	21.8
11 17	5 31.51	+26 36.5	2.363	3.263	8.4	21.6
11 27	5 23.76	+26 41.3	2.311	3.267	5.2	21.4
12 7	5 14.81	+26 41.1	2.289	3.270	1.8	21.2
12 17	5 5.54	+26 35.6	2.297	3.274	2.5	21.3
12 27	4 56.92	+26 25.8	2.335	3.277	5.9	21.5
1 6	4 49.77	+26 13.8	2.401	3.280	9.0	21.7
1 16	4 44.67	+26 1.9	2.492	3.282	11.8	21.9

387677 2002 TB_{87} 12 10.7 94°.53 2°.9/10.1 15

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 40.65	+15 31.5	2.083	2.903	13.0	21.8
11 17	5 33.73	+14 59.1	2.034	2.933	9.7	21.6
11 27	5 24.92	+14 29.7	2.011	2.963	6.1	21.5
12 7	5 15.09	+14 5.0	2.016	2.992	3.2	21.3
12 17	5 5.19	+13 46.6	2.051	3.020	4.0	21.4
12 27	4 56.24	+13 35.9	2.117	3.047	7.2	21.7
1 6	4 49.01	+13 33.4	2.210	3.074	10.3	21.9
1 16	4 44.00	+13 39.0	2.326	3.100	13.0	22.2

223056 2002 TS_{182} 12 10.7 125°.23 0°.7/10.9 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
11 7	5 44.06	+25 52.8	1.703	2.531	15.1	20.6
11 17	5 36.94	+25 39.1	1.641	2.545	11.2	20.4
11 27	5 27.15	+25 19.2	1.601	2.559	6.8	20.2
12 7	5 15.75	+24 52.6	1.589	2.572	2.0	19.9
12 17	5 4.09	+24 20.3	1.606	2.584	3.1	20.0
12 27	4 53.60	+23 45.6	1.653	2.597	7.7	20.3
1 6	4 45.39	+23 12.5	1.726	2.608	11.8	20.6
1 16	4 40.10	+22 44.4	1.822	2.619	15.2	20.8

473372 2015 UA_{17} 12 10.7 96°.48 3°.6/10.1 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 37.30	+14 5.3	1.881	2.712	13.7	21.1
11 17	5 31.74	+13 39.0	1.813	2.716	10.4	20.9
11 27	5 24.01	+13 17.3	1.768	2.720	6.7	20.7
12 7	5 14.91	+13 2.0	1.750	2.724	3.8	20.5
12 17	5 5.47	+12 54.8	1.761	2.728	4.7	20.6
12 27	4 56.81	+12 56.9	1.800	2.732	8.1	20.8
1 6	4 49.88	+13 8.5	1.865	2.736	11.6	21.0
1 16	4 45.30	+13 28.9	1.953	2.740	14.7	21.3

357455 2004 DJ_{36} 12 10.7 343°.99 8°.1/12.3 17

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 42.38	+41 48.5	1.597	2.402	17.0	20.7
11 17	5 36.80	+42 36.8	1.523	2.397	13.9	20.5
11 27	5 27.63	+43 7.2	1.471	2.392	10.8	20.3
12 7	5 16.00	+43 12.9	1.442	2.388	8.5	20.2
12 17	5 3.62	+42 50.3	1.438	2.384	8.4	20.2
12 27	4 52.49	+42 1.7	1.460	2.380	10.7	20.3
1 6	4 44.21	+40 54.7	1.506	2.378	13.8	20.5
1 16	4 39.69	+39 38.6	1.573	2.376	16.9	20.7

21584 Polepeddi 12 10.7 266°.90 2°.2/10.1 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 35.45	+17 58.1	2.297	3.124	11.7	18.0
11 17	5 30.17	+17 21.4	2.210	3.114	8.7	17.8
11 27	5 23.01	+16 44.5	2.148	3.104	5.4	17.6
12 7	5 14.64	+16 9.1	2.115	3.094	2.5	17.4
12 17	5 5.91	+15 37.2	2.111	3.083	3.5	17.4
12 27	4 57.75	+15 11.0	2.138	3.073	6.8	17.6
1 6	4 50.99	+14 52.2	2.191	3.062	10.1	17.8
1 16	4 46.23	+14 41.6	2.269	3.051	13.0	18.0

61537 2000 QZ_{63} 12 10.7 111°.37 0°.9/10.8 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 42.66	+24 7.8	1.756	2.585	14.7	19.6
11 17	5 35.96	+24 31.7	1.693	2.598	10.9	19.4
11 27	5 26.63	+24 53.0	1.653	2.611	6.6	19.2
12 7	5 15.65	+25 9.7	1.641	2.623	2.0	18.9
12 17	5 4.28	+25 20.6	1.658	2.635	3.0	19.0
12 27	4 53.92	+25 26.4	1.704	2.647	7.5	19.3
1 6	4 45.68	+25 29.4	1.776	2.659	11.5	19.6
1 16	4 40.28	+25 32.0	1.872	2.670	14.8	19.8

23593 1995 VJ 12 10.7 346°.80 1°.4/10.9 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 37.90	+25 30.2	1.408	2.257	16.5	18.3
11 17	5 33.20	+25 48.9	1.336	2.251	12.4	18.0
11 27	5 25.37	+26 3.9	1.285	2.245	7.6	17.7
12 7	5 15.38	+26 12.8	1.258	2.240	2.6	17.4
12 17	5 4.69	+26 14.3	1.258	2.236	3.7	17.5
12 27	4 54.99	+26 9.7	1.285	2.233	8.8	17.8
1 6	4 47.72	+26 2.1	1.335	2.231	13.5	18.1
1 16	4 43.76	+25 55.2	1.407	2.229	17.5	18.3

410241 2007 TP_{42} 12 10.7 216°.16 8°.8/ 7.3 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 33.10	− 9 59.6	3.017	3.750	11.4	21.5
11 17	5 28.00	−11 6.3	2.948	3.743	10.2	21.4
11 27	5 21.55	−11 58.5	2.902	3.735	9.2	21.3
12 7	5 14.24	−12 32.1	2.880	3.727	8.8	21.3
12 17	5 6.67	−12 44.8	2.885	3.719	9.2	21.3
12 27	4 59.51	−12 35.8	2.915	3.710	10.1	21.3
1 6	4 53.34	−12 6.7	2.968	3.701	11.3	21.4
1 16	4 48.63	−11 20.1	3.041	3.692	12.6	21.5

220142 2002 TC_{133} 12 10.7 3°.08 3°.0/11.2 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 34.36	+29 10.0	0.937	1.812	20.6	19.4
11 17	5 31.60	+29 12.6	0.882	1.809	15.6	19.1
11 27	5 24.78	+29 2.8	0.845	1.808	9.9	18.8
12 7	5 15.25	+28 38.4	0.828	1.810	4.1	18.5
12 17	5 5.03	+28 0.1	0.834	1.813	4.9	18.5
12 27	4 56.40	+27 13.2	0.863	1.818	10.7	18.9
1 6	4 51.08	+26 25.3	0.912	1.825	16.2	19.2
1 16	4 49.89	+25 42.9	0.979	1.834	20.9	19.5

307756 2003 UG_{357} 12 10.7 229°.01 2°.2/11.1 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 41.29	+28 32.6	2.062	2.881	13.1	21.3
11 17	5 34.95	+28 54.1	1.974	2.872	10.0	21.1
11 27	5 26.11	+29 10.1	1.910	2.863	6.3	20.9
12 7	5 15.57	+29 18.0	1.874	2.853	2.8	20.6
12 17	5 4.42	+29 16.7	1.868	2.843	3.4	20.7
12 27	4 53.96	+29 6.8	1.891	2.832	7.1	20.9
1 6	4 45.32	+28 51.4	1.942	2.821	10.8	21.1
1 16	4 39.29	+28 34.1	2.016	2.809	14.1	21.3

143923 2003 YE_{89} 12 10.7 294°.41 5°.6/12.3 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
11 7	5 42.62	+38 42.0	1.824	2.629	15.2	19.4
11 17	5 36.34	+38 50.4	1.743	2.623	12.1	19.2
11 27	5 27.07	+38 42.6	1.684	2.617	8.8	19.0
12 7	5 15.84	+38 14.8	1.650	2.611	6.1	18.8
12 17	5 4.11	+37 26.0	1.645	2.605	6.0	18.8
12 27	4 53.49	+36 19.6	1.667	2.599	8.6	19.0
1 6	4 45.27	+35 2.7	1.715	2.593	12.0	19.2
1 16	4 40.23	+33 43.0	1.787	2.588	15.3	19.4

72477 2001 DQ_{37} 12 10.7 115°.93 6°.8/10.0 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 38.73	+ 3 51.9	1.969	2.774	14.2	19.2
11 17	5 32.58	+ 3 20.5	1.911	2.788	11.4	19.0
11 27	5 24.42	+ 3 2.0	1.877	2.801	8.6	18.9
12 7	5 15.06	+ 2 59.5	1.869	2.814	6.9	18.8
12 17	5 5.46	+ 3 14.5	1.889	2.827	7.4	18.9
12 27	4 56.66	+ 3 46.5	1.937	2.839	9.6	19.0
1 6	4 49.52	+ 4 33.2	2.011	2.851	12.2	19.2
1 16	4 44.60	+ 5 31.4	2.107	2.863	14.7	19.4

269125 2007 PF_{37} 12 10.7 124°.10 0°.4/10.8 17 R

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 36.17	+25 2.1	2.668	3.486	10.5	20.9
11 17	5 30.43	+24 54.6	2.595	3.496	7.8	20.7
11 27	5 23.05	+24 43.7	2.549	3.506	4.7	20.6
12 7	5 14.68	+24 29.2	2.532	3.515	1.4	20.3
12 17	5 6.09	+24 11.6	2.546	3.524	2.1	20.4
12 27	4 58.13	+23 52.3	2.591	3.533	5.3	20.6
1 6	4 51.49	+23 33.3	2.664	3.541	8.3	20.8
1 16	4 46.68	+23 16.3	2.762	3.549	10.8	21.0

384656 2011 FK_{13} 12 10.7 310°.41 0°.8/10.8 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 39.37	+23 52.2	1.308	2.160	17.4	20.7
11 17	5 34.72	+24 9.1	1.225	2.142	13.1	20.4
11 27	5 26.56	+24 24.1	1.162	2.124	8.0	20.0
12 7	5 15.83	+24 35.2	1.124	2.107	2.4	19.6
12 17	5 4.04	+24 40.7	1.111	2.090	3.8	19.7
12 27	4 53.12	+24 41.5	1.124	2.073	9.6	20.0
1 6	4 44.76	+24 40.4	1.161	2.058	15.0	20.2
1 16	4 40.06	+24 41.0	1.217	2.043	19.5	20.5

298006 2002 OA_{30} 12 10.7 85°.43 0°.8/10.9 15

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 42.84	+24 39.1	1.885	2.709	14.0	21.3
11 17	5 35.75	+24 52.3	1.835	2.738	10.3	21.2
11 27	5 26.34	+25 1.9	1.808	2.765	6.2	21.0
12 7	5 15.59	+25 6.5	1.810	2.792	1.9	20.7
12 17	5 4.69	+25 5.7	1.841	2.819	2.8	20.9
12 27	4 54.87	+25 1.0	1.903	2.846	6.9	21.2
1 6	4 47.09	+24 54.7	1.991	2.871	10.5	21.5
1 16	4 41.92	+24 49.4	2.103	2.897	13.5	21.7

226158 2002 SP_{44} 12 10.7 106°.33 3°.3/11.2 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 46.70	+30 22.6	1.646	2.466	15.9	20.8
11 17	5 39.16	+30 54.9	1.589	2.486	12.0	20.6
11 27	5 28.63	+31 18.4	1.556	2.506	7.7	20.4
12 7	5 16.27	+31 29.1	1.549	2.525	3.9	20.2
12 17	5 3.58	+31 25.6	1.572	2.544	4.3	20.3
12 27	4 52.18	+31 10.0	1.622	2.562	8.2	20.6
1 6	4 43.33	+30 46.9	1.699	2.579	12.0	20.8
1 16	4 37.72	+30 21.6	1.799	2.596	15.3	21.1

358627 2007 VA_{159} 12 10.7 328°.20 5°.8/ 8.9 17

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 34.03	+14 35.0	1.361	2.216	16.6	20.6
11 17	5 30.31	+13 11.3	1.276	2.192	12.8	20.3
11 27	5 23.68	+11 47.1	1.214	2.169	8.8	20.0
12 7	5 15.00	+10 28.7	1.176	2.147	5.9	19.8
12 17	5 5.55	+ 9 22.9	1.163	2.126	7.4	19.8
12 27	4 56.89	+ 8 35.9	1.175	2.106	11.6	20.0
1 6	4 50.37	+ 8 10.6	1.210	2.088	16.0	20.2
1 16	4 46.91	+ 8 6.9	1.264	2.070	20.1	20.4

28962 2001 FL_{117} 12 10.7 71°.20 10°.3/ 8.1 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 34.33	− 7 13.6	2.232	2.996	14.0	17.8
11 17	5 29.17	− 8 38.3	2.186	3.009	12.3	17.7
11 27	5 22.33	− 9 44.6	2.163	3.022	10.9	17.7
12 7	5 14.50	−10 27.6	2.163	3.035	10.3	17.6
12 17	5 6.49	−10 44.3	2.189	3.047	10.7	17.7
12 27	4 59.15	−10 34.4	2.238	3.060	11.8	17.8
1 6	4 53.20	−10 0.6	2.311	3.073	13.4	17.9
1 16	4 49.13	− 9 7.2	2.402	3.086	14.9	18.1

403334 2009 DT_{93} 12 10.7 259°.06 2°.6/11.1 17

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 41.16	+29 31.6	2.050	2.869	13.2	21.7
11 17	5 35.02	+29 58.2	1.955	2.852	10.1	21.5
11 27	5 26.28	+30 19.0	1.883	2.834	6.5	21.2
12 7	5 15.70	+30 31.0	1.839	2.816	3.2	21.0
12 17	5 4.38	+30 32.5	1.824	2.797	3.7	21.0
12 27	4 53.68	+30 23.9	1.839	2.779	7.4	21.2
1 6	4 44.78	+30 8.3	1.881	2.759	11.1	21.4
1 16	4 38.54	+29 49.5	1.946	2.740	14.5	21.5

296601 2009 RE_{57} 12 10.7 92°.00 1°.1/10.5 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
11 7	5 37.49	+19 45.9	2.250	3.076	12.0	20.8
11 17	5 31.57	+19 42.2	2.188	3.092	8.8	20.7
11 27	5 23.80	+19 38.8	2.151	3.108	5.3	20.5
12 7	5 14.92	+19 35.8	2.142	3.125	1.7	20.2
12 17	5 5.83	+19 33.7	2.164	3.141	2.7	20.3
12 27	4 57.47	+19 33.2	2.216	3.156	6.2	20.6
1 6	4 50.65	+19 35.5	2.295	3.172	9.5	20.8
1 16	4 45.90	+19 41.4	2.399	3.187	12.2	21.0

45662 2000 EY_{84} 12 10.7 223°.93 3°.6/ 9.7 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 34.71	+13 14.2	2.439	3.260	11.3	19.1
11 17	5 29.47	+12 31.2	2.359	3.257	8.6	18.9
11 27	5 22.56	+11 51.3	2.305	3.253	5.8	18.7
12 7	5 14.60	+11 16.9	2.280	3.249	3.7	18.6
12 17	5 6.34	+10 50.0	2.284	3.246	4.4	18.6
12 27	4 58.63	+10 32.4	2.318	3.242	7.1	18.8
1 6	4 52.21	+10 24.9	2.379	3.238	9.9	19.0
1 16	4 47.61	+10 27.4	2.464	3.233	12.5	19.1

154219 2002 JL_{62} 12 10.7 126°.66 3°.8/ 9.8 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 35.38	+11 56.0	2.453	3.271	11.3	20.2
11 17	5 29.86	+11 18.0	2.386	3.280	8.6	20.1
11 27	5 22.73	+10 44.5	2.344	3.289	5.9	19.9
12 7	5 14.63	+10 17.8	2.330	3.297	3.9	19.8
12 17	5 6.31	+ 9 59.5	2.347	3.305	4.6	19.8
12 27	4 58.61	+ 9 51.0	2.393	3.313	7.0	20.0
1 6	4 52.22	+ 9 52.4	2.466	3.321	9.7	20.2
1 16	4 47.63	+10 3.2	2.563	3.329	12.1	20.4

107165 2001 BM_{20} 12 10.7 299°.48 1°.6/10.6 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 40.92	+18 12.3	1.362	2.208	17.1	20.0
11 17	5 35.51	+18 27.5	1.286	2.200	12.9	19.7
11 27	5 26.85	+18 47.3	1.232	2.193	7.9	19.4
12 7	5 15.90	+19 10.9	1.203	2.185	2.7	19.1
12 17	5 4.11	+19 37.3	1.201	2.178	4.0	19.2
12 27	4 53.25	+20 5.9	1.225	2.171	9.4	19.4
1 6	4 44.83	+20 37.0	1.273	2.164	14.4	19.7
1 16	4 39.80	+21 11.0	1.342	2.158	18.6	20.0

40076 1998 LB 12 10.7 166°.65 7°.7/ 9.2 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 37.59	+ 2 31.6	2.025	2.826	14.0	19.2
11 17	5 31.80	+ 1 33.8	1.959	2.829	11.4	19.0
11 27	5 24.02	+ 0 48.3	1.917	2.832	9.1	18.9
12 7	5 15.01	+ 0 19.6	1.900	2.834	7.7	18.8
12 17	5 5.68	+ 0 10.6	1.912	2.836	8.3	18.8
12 27	4 57.05	+ 0 22.2	1.950	2.838	10.3	19.0
1 6	4 50.00	+ 0 52.6	2.014	2.839	12.8	19.1
1 16	4 45.09	+ 1 38.6	2.099	2.840	15.2	19.3

110320 2001 SD_{281} 12 10.7 64°.16 1°.8/11.1 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 39.91	+28 7.8	1.799	2.628	14.3	19.5
11 17	5 33.91	+28 12.3	1.737	2.641	10.7	19.3
11 27	5 25.41	+28 10.0	1.699	2.655	6.6	19.1
12 7	5 15.40	+27 59.4	1.688	2.668	2.6	18.8
12 17	5 5.09	+27 40.6	1.705	2.682	3.2	18.9
12 27	4 55.81	+27 16.0	1.751	2.696	7.2	19.2
1 6	4 48.61	+26 49.1	1.824	2.709	11.0	19.5
1 16	4 44.11	+26 23.7	1.919	2.723	14.2	19.7

488641 2003 FD_{25} 12 10.7 289°.50 5°.5/11.6 17

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 41.28	+36 59.1	1.955	2.762	14.2	21.1
11 17	5 35.40	+37 40.1	1.867	2.749	11.3	20.9
11 27	5 26.62	+38 9.8	1.803	2.736	8.3	20.6
12 7	5 15.82	+38 23.3	1.764	2.723	5.9	20.5
12 17	5 4.27	+38 17.8	1.753	2.711	6.0	20.5
12 27	4 53.51	+37 54.2	1.771	2.698	8.6	20.6
1 6	4 44.88	+37 17.0	1.814	2.686	11.8	20.8
1 16	4 39.26	+36 32.3	1.879	2.673	14.9	20.9

179850 2002 TO_{253} 12 10.7 112°.88 4°.1/10.0 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 41.35	+14 20.1	1.613	2.445	15.6	20.2
11 17	5 34.93	+13 39.7	1.555	2.459	11.8	20.0
11 27	5 26.00	+13 3.9	1.520	2.472	7.6	19.8
12 7	5 15.56	+12 35.5	1.511	2.485	4.4	19.7
12 17	5 4.85	+12 16.9	1.530	2.497	5.4	19.8
12 27	4 55.19	+12 9.8	1.578	2.509	9.1	20.0
1 6	4 47.66	+12 14.6	1.650	2.521	12.9	20.3
1 16	4 42.87	+12 30.6	1.745	2.532	16.1	20.5

380999 2006 TE_{43} 12 10.7 65°.17 3°.6/11.1 16

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 45.53	+29 4.7	1.290	2.129	18.3	20.9
11 17	5 38.93	+29 53.2	1.240	2.148	13.8	20.7
11 27	5 28.78	+30 33.7	1.211	2.166	8.8	20.5
12 7	5 16.38	+31 0.9	1.207	2.184	4.3	20.3
12 17	5 3.53	+31 12.0	1.229	2.203	4.9	20.4
12 27	4 52.23	+31 8.5	1.278	2.222	9.4	20.7
1 6	4 43.95	+30 55.7	1.351	2.240	13.8	21.0
1 16	4 39.43	+30 39.5	1.444	2.259	17.6	21.3

506170 2016 FF_{42} 12 10.7 327.°59 19.°3/ 8.5 17

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
11 7	5 55.37	+49 52.3	1.002	1.805	25.0	20.8
11 17	5 51.00	+53 27.0	0.948	1.796	22.4	20.6
11 27	5 39.04	+56 40.3	0.910	1.788	20.3	20.5
12 7	5 19.94	+59 7.1	0.891	1.781	19.3	20.4
12 17	4 56.83	+60 26.5	0.891	1.774	19.9	20.4
12 27	4 35.37	+60 33.7	0.908	1.768	21.7	20.5
1 6	4 20.61	+59 43.7	0.941	1.763	24.2	20.6
1 16	4 14.72	+58 19.0	0.987	1.758	26.8	20.8

330310 2006 UN_{5} 12 10.7 84.°32 3.°4/10.5 18

11 7	5 43.74	+14 46.6	1.414	2.250	17.1	20.6
11 17	5 36.90	+14 40.2	1.366	2.273	12.8	20.4
11 27	5 27.24	+14 40.2	1.340	2.295	8.1	20.2
12 7	5 15.91	+14 47.4	1.340	2.317	3.9	20.0
12 17	5 4.36	+15 1.9	1.367	2.339	4.9	20.1
12 27	4 54.12	+15 23.8	1.422	2.361	9.2	20.4
1 6	4 46.33	+15 52.6	1.502	2.382	13.3	20.7
1 16	4 41.63	+16 27.3	1.603	2.402	16.8	21.0

278139 2007 CZ_{52} 12 10.7 351.°47 4.°7/11.6 18

11 7	5 41.33	+33 14.4	1.307	2.146	18.1	20.2
11 17	5 36.17	+33 33.4	1.238	2.143	14.0	19.9
11 27	5 27.34	+33 38.9	1.189	2.140	9.5	19.7
12 7	5 16.05	+33 26.4	1.164	2.138	5.4	19.4
12 17	5 4.05	+32 54.4	1.165	2.137	5.6	19.4
12 27	4 53.38	+32 6.6	1.191	2.136	9.8	19.7
1 6	4 45.65	+31 10.5	1.241	2.135	14.4	19.9
1 16	4 41.74	+30 14.0	1.311	2.136	18.4	20.2

139021 2001 DE_{64} 12 10.7 152.°29 5.°4/ 9.8 18

11 7	5 38.09	+ 4 59.0	2.572	3.366	11.6	20.7
11 17	5 31.76	+ 4 27.8	2.505	3.377	9.2	20.6
11 27	5 23.84	+ 4 5.7	2.464	3.388	6.9	20.4
12 7	5 14.96	+ 3 55.1	2.452	3.398	5.5	20.3
12 17	5 5.88	+ 3 57.3	2.470	3.407	5.9	20.4
12 27	4 57.39	+ 4 12.7	2.517	3.415	7.8	20.5
1 6	4 50.18	+ 4 40.2	2.591	3.422	10.1	20.7
1 16	4 44.75	+ 5 17.8	2.690	3.429	12.3	20.9

330539 2007 YL_{72} 12 10.7 304.°90 4.°2/11.4 18

11 7	5 43.61	+31 38.9	1.374	2.210	17.6	20.6
11 17	5 37.75	+32 8.6	1.303	2.207	13.6	20.4
11 27	5 28.27	+32 27.8	1.253	2.204	9.0	20.1
12 7	5 16.32	+32 31.7	1.227	2.202	4.9	19.9
12 17	5 3.59	+32 17.9	1.227	2.199	5.3	19.9
12 27	4 52.09	+31 48.6	1.254	2.197	9.6	20.1
1 6	4 43.45	+31 10.2	1.305	2.195	14.2	20.4
1 16	4 38.59	+30 29.8	1.376	2.193	18.2	20.6

174087 2002 GT_{110} 12 10.8 147.°78 1.°6/10.9 18

11 7	5 45.63	+25 39.9	1.693	2.517	15.3	20.7
11 17	5 38.42	+26 12.1	1.624	2.527	11.4	20.5
11 27	5 28.30	+26 40.8	1.579	2.535	7.0	20.2
12 7	5 16.27	+27 2.7	1.562	2.543	2.5	20.0
12 17	5 3.71	+27 15.9	1.573	2.550	3.4	20.0
12 27	4 52.19	+27 20.9	1.614	2.556	7.9	20.3
1 6	4 42.99	+27 20.8	1.681	2.562	12.1	20.6
1 16	4 36.87	+27 18.9	1.771	2.567	15.6	20.8

469325 1999 VC_{106} 12 10.8 30.°92 2.°5/10.3 16

11 7	5 38.67	+21 4.6	0.988	1.858	20.2	20.5
11 17	5 34.02	+20 10.7	0.947	1.873	14.9	20.3
11 27	5 25.83	+19 14.7	0.926	1.890	9.0	20.0
12 7	5 15.55	+18 20.4	0.926	1.908	3.3	19.8
12 17	5 5.07	+17 32.4	0.951	1.927	5.0	19.9
12 27	4 56.31	+16 55.8	0.999	1.948	10.6	20.3
1 6	4 50.60	+16 33.6	1.069	1.969	15.7	20.7
1 16	4 48.53	+16 25.9	1.158	1.991	19.8	21.0

136318 2004 BK_{60} 12 10.8 120.°20 1.°4/10.5 18

11 7	5 39.33	+19 7.2	1.999	2.826	13.2	20.5
11 17	5 33.20	+19 3.1	1.932	2.837	9.8	20.3
11 27	5 24.91	+18 59.8	1.889	2.847	5.9	20.1
12 7	5 15.29	+18 57.6	1.875	2.856	2.1	19.9
12 17	5 5.35	+18 56.9	1.890	2.866	3.1	20.0
12 27	4 56.23	+18 58.5	1.934	2.875	7.0	20.2
1 6	4 48.84	+19 3.7	2.006	2.883	10.6	20.5
1 16	4 43.79	+19 13.0	2.101	2.892	13.6	20.7

84991 Bettyphilpotts 12 10.8 266.°42 1.°0/11.0 18

11 7	5 39.61	+27 31.6	1.927	2.754	13.6	19.7
11 17	5 33.76	+27 9.5	1.839	2.743	10.2	19.5
11 27	5 25.43	+26 39.5	1.775	2.732	6.3	19.2
12 7	5 15.47	+26 1.2	1.739	2.720	2.1	18.9
12 17	5 5.02	+25 15.9	1.731	2.709	2.9	19.0
12 27	4 55.36	+24 26.7	1.753	2.698	7.2	19.2
1 6	4 47.60	+23 38.2	1.802	2.686	11.2	19.4
1 16	4 42.45	+22 54.2	1.874	2.674	14.7	19.6

40674 1999 RX_{203} 12 10.8 187.°10 4.°9/12.1 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
11 7	5 44.54	+37 41.9	2.058	2.855	14.0	19.5
11 17	5 37.44	+37 54.8	1.978	2.855	11.0	19.3
11 27	5 27.62	+37 54.0	1.922	2.854	7.9	19.2
12 7	5 16.07	+37 35.9	1.892	2.853	5.3	19.0
12 17	5 4.09	+36 59.5	1.891	2.852	5.3	19.0
12 27	4 53.12	+36 7.4	1.920	2.850	7.9	19.1
1 6	4 44.34	+35 5.5	1.976	2.847	11.0	19.3
1 16	4 38.46	+34 0.2	2.055	2.844	14.0	19.5

158631 2003 BM_{34} 12 10.8 300.°92 0.°4/10.7 18 R

11 7	5 39.28	+22 26.2	1.432	2.279	16.4	20.8
11 17	5 34.33	+22 21.4	1.347	2.261	12.3	20.5
11 27	5 26.20	+22 14.5	1.283	2.244	7.5	20.1
12 7	5 15.79	+22 4.8	1.244	2.227	2.1	19.8
12 17	5 4.49	+21 52.7	1.231	2.210	3.6	19.8
12 27	4 54.01	+21 40.3	1.246	2.193	9.1	20.1
1 6	4 45.85	+21 30.5	1.284	2.177	14.2	20.3
1 16	4 41.01	+21 26.1	1.344	2.161	18.5	20.6

491431 2012 FW_{10} 12 10.8 231.°81 4.°6/11.7 17

11 7	5 40.50	+36 4.8	2.195	2.999	13.0	21.8
11 17	5 34.38	+36 35.9	2.115	2.997	10.2	21.6
11 27	5 25.80	+36 56.5	2.060	2.995	7.3	21.4
12 7	5 15.59	+37 3.1	2.031	2.993	4.9	21.2
12 17	5 4.89	+36 54.0	2.031	2.991	5.0	21.2
12 27	4 54.98	+36 30.5	2.060	2.989	7.4	21.4
1 6	4 46.95	+35 56.5	2.116	2.987	10.4	21.6
1 16	4 41.53	+35 17.0	2.195	2.985	13.2	21.7

287758 2003 ST_{49} 12 10.8 41.°44 3.°3/10.3 18

11 7	5 40.21	+18 15.4	1.099	1.959	19.3	20.4
11 17	5 34.99	+17 36.3	1.052	1.973	14.4	20.2
11 27	5 26.39	+16 59.1	1.025	1.987	8.9	19.9
12 7	5 15.74	+16 26.9	1.021	2.001	3.9	19.7
12 17	5 4.79	+16 2.6	1.042	2.017	5.3	19.8
12 27	4 55.37	+15 49.2	1.087	2.033	10.5	20.2
1 6	4 48.81	+15 48.0	1.155	2.049	15.3	20.5
1 16	4 45.79	+15 58.7	1.243	2.066	19.3	20.8

475358 2006 CY_{15} 12 10.8 345.°03 5.°2/11.6 18

11 7	5 41.01	+33 48.4	1.393	2.228	17.4	21.3
11 17	5 35.87	+34 22.3	1.322	2.223	13.6	21.0
11 27	5 27.18	+34 43.9	1.271	2.219	9.4	20.8
12 7	5 16.05	+34 47.9	1.244	2.215	5.8	20.6
12 17	5 4.15	+34 31.9	1.243	2.212	6.0	20.6
12 27	4 53.45	+33 58.1	1.268	2.209	9.8	20.8
1 6	4 45.55	+33 13.1	1.316	2.207	14.0	21.0
1 16	4 41.35	+32 24.4	1.386	2.206	17.9	21.3

77983 2002 JU_{27} 12 10.8 103.°08 4.°0/10.0 18

11 7	5 42.84	+15 26.6	1.507	2.341	16.4	19.9
11 17	5 36.12	+14 39.2	1.453	2.359	12.3	19.7
11 27	5 26.75	+13 55.5	1.423	2.377	7.9	19.5
12 7	5 15.82	+13 18.4	1.418	2.394	4.3	19.3
12 17	5 4.68	+12 51.0	1.442	2.410	5.4	19.4
12 27	4 54.76	+12 35.5	1.493	2.427	9.4	19.7
1 6	4 47.13	+12 32.8	1.570	2.442	13.3	20.0
1 16	4 42.43	+12 42.1	1.667	2.457	16.7	20.3

507888 2014 QD_{169} 12 10.8 227.°53 4.°1/12.2 17

11 7	5 50.57	+36 22.0	1.169	1.998	20.5	20.9
11 17	5 43.28	+35 29.0	1.096	1.995	16.0	20.6
11 27	5 31.64	+34 9.5	1.042	1.992	10.6	20.3
12 7	5 17.25	+32 20.5	1.012	1.988	5.4	20.0
12 17	5 2.38	+30 6.2	1.009	1.985	5.2	19.9
12 27	4 49.49	+27 39.3	1.033	1.981	10.5	20.2
1 6	4 40.28	+25 15.7	1.082	1.977	16.0	20.5
1 16	4 35.52	+23 8.0	1.151	1.972	20.7	20.8

367862 2011 CU_{78} 12 10.8 9.°29 4.°1/11.8 17

11 7	5 38.98	+34 56.1	2.030	2.844	13.5	20.7
11 17	5 33.29	+35 9.0	1.955	2.844	10.5	20.5
11 27	5 25.14	+35 10.5	1.904	2.845	7.3	20.3
12 7	5 15.41	+34 58.2	1.878	2.847	4.5	20.1
12 17	5 5.29	+34 31.4	1.882	2.848	4.6	20.1
12 27	4 56.05	+33 52.3	1.913	2.850	7.4	20.3
1 6	4 48.78	+33 5.6	1.972	2.852	10.6	20.5
1 16	4 44.15	+32 16.4	2.054	2.854	13.6	20.7

453392 2009 CB_{51} 12 10.8 206.°17 5.°1/12.0 15

11 7	5 44.27	+39 10.3	2.439	3.222	12.4	21.8
11 17	5 37.05	+39 37.3	2.351	3.217	10.0	21.6
11 27	5 27.36	+39 52.1	2.287	3.210	7.4	21.5
12 7	5 16.05	+39 50.9	2.251	3.203	5.4	21.3
12 17	5 4.22	+39 32.0	2.244	3.195	5.4	21.3
12 27	4 53.18	+38 56.9	2.267	3.187	7.4	21.4
1 6	4 44.01	+38 9.8	2.318	3.178	10.1	21.6
1 16	4 37.44	+37 16.3	2.393	3.168	12.6	21.7

140105 2001 SN_{133} 12 10.8 167°.34 2°.3/11.3 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
11 7	5 40.51	+30 16.5	2.256	3.070	12.4	20.5
11 17	5 34.09	+30 23.3	2.179	3.073	9.3	20.3
11 27	5 25.49	+30 22.7	2.126	3.076	6.0	20.1
12 7	5 15.50	+30 13.0	2.101	3.078	2.8	19.9
12 17	5 5.16	+29 54.0	2.106	3.080	3.2	20.0
12 27	4 55.59	+29 27.4	2.142	3.082	6.4	20.2
1 6	4 47.74	+28 56.5	2.205	3.083	9.7	20.4
1 16	4 42.25	+28 25.1	2.293	3.084	12.6	20.6

355377 2007 TW_{355} 12 10.8 9°.87 8°.7/11.4 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 35.13	+ 3 19.1	1.125	1.971	20.0	19.1
11 17	5 31.25	+ 3 20.9	1.073	1.974	16.1	18.9
11 27	5 24.25	+ 3 47.1	1.039	1.979	12.0	18.7
12 7	5 15.23	+ 4 40.8	1.028	1.987	9.1	18.6
12 17	5 5.68	+ 6 1.1	1.039	1.995	9.3	18.6
12 27	4 57.28	+ 7 43.2	1.075	2.006	12.4	18.8
1 6	4 51.38	+ 9 39.0	1.133	2.019	16.2	19.1
1 16	4 48.76	+11 40.6	1.211	2.033	19.9	19.4

457811 2009 RM_{30} 12 10.8 10°.97 5°.5/11.8 16

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 37.35	+35 0.9	1.459	2.295	16.8	20.6
11 17	5 32.88	+35 37.5	1.399	2.299	13.1	20.4
11 27	5 25.22	+36 0.8	1.360	2.305	9.2	20.2
12 7	5 15.50	+36 6.2	1.345	2.313	6.0	20.0
12 17	5 5.26	+35 52.1	1.355	2.321	6.1	20.1
12 27	4 56.23	+35 21.0	1.392	2.331	9.3	20.3
1 6	4 49.79	+34 38.8	1.452	2.342	13.0	20.5
1 16	4 46.69	+33 52.2	1.533	2.354	16.4	20.8

112702 2002 PJ_{106} 12 10.8 170°.55 3°.0/10.1 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 41.58	+17 18.7	1.665	2.498	15.1	21.0
11 17	5 35.26	+16 40.5	1.594	2.501	11.4	20.8
11 27	5 26.35	+16 3.4	1.547	2.503	7.1	20.6
12 7	5 15.78	+15 29.4	1.526	2.505	3.4	20.3
12 17	5 4.80	+15 1.1	1.534	2.506	4.5	20.4
12 27	4 54.77	+14 41.1	1.571	2.507	8.7	20.7
1 6	4 46.81	+14 31.1	1.633	2.507	12.7	20.9
1 16	4 41.63	+14 31.8	1.717	2.507	16.2	21.1

160980 2002 CP_{70} 12 10.8 207°.45 1°.0/10.6 17

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 37.26	+20 14.0	2.224	3.051	12.1	20.8
11 17	5 31.64	+20 8.4	2.144	3.049	9.0	20.6
11 27	5 24.03	+20 2.8	2.089	3.046	5.4	20.4
12 7	5 15.14	+19 57.1	2.062	3.044	1.7	20.1
12 17	5 5.86	+19 51.9	2.065	3.041	2.7	20.2
12 27	4 57.21	+19 48.2	2.097	3.039	6.5	20.4
1 6	4 50.07	+19 47.3	2.158	3.036	9.9	20.6
1 16	4 45.04	+19 50.3	2.242	3.033	12.9	20.8

454413 2014 NL_{50} 12 10.8 128°.14 5°.7/ 9.3 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 36.51	+ 6 57.0	2.316	3.125	12.2	22.2
11 17	5 30.77	+ 6 1.3	2.254	3.136	9.7	22.1
11 27	5 23.34	+ 5 13.6	2.217	3.147	7.2	21.9
12 7	5 14.91	+ 4 37.2	2.208	3.157	5.7	21.9
12 17	5 6.28	+ 4 14.7	2.228	3.168	6.3	21.9
12 27	4 58.32	+ 4 7.2	2.276	3.177	8.4	22.1
1 6	4 51.73	+ 4 14.2	2.351	3.187	10.9	22.3
1 16	4 47.04	+ 4 34.1	2.448	3.196	13.1	22.4

82131 2001 FH_{110} 12 10.8 111°.75 4°.1/11.4 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 46.06	+31 50.6	1.597	2.418	16.2	19.5
11 17	5 39.00	+32 29.3	1.535	2.431	12.4	19.3
11 27	5 28.76	+32 58.2	1.496	2.444	8.2	19.1
12 7	5 16.48	+33 12.6	1.483	2.456	4.6	18.9
12 17	5 3.73	+33 10.4	1.498	2.468	5.0	19.0
12 27	4 52.23	+32 53.4	1.541	2.480	8.6	19.2
1 6	4 43.33	+32 26.9	1.610	2.491	12.5	19.5
1 16	4 37.82	+31 56.8	1.701	2.501	15.9	19.7

173030 2006 QE_{29} 12 10.8 136°.37 2°.0/10.5 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 43.87	+17 47.3	1.674	2.502	15.3	21.0
11 17	5 36.90	+17 44.3	1.610	2.515	11.4	20.7
11 27	5 27.30	+17 43.7	1.570	2.526	7.0	20.5
12 7	5 16.06	+17 45.7	1.557	2.537	2.7	20.3
12 17	5 4.44	+17 50.5	1.573	2.548	3.8	20.4
12 27	4 53.85	+17 59.0	1.617	2.557	8.1	20.7
1 6	4 45.41	+18 11.8	1.689	2.566	12.2	20.9
1 16	4 39.82	+18 29.7	1.783	2.575	15.6	21.2

44221 1998 QK_{8} 12 10.8 95°.12 7°.4/10.1 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 38.81	+ 3 8.5	1.852	2.658	14.9	18.3
11 17	5 32.78	+ 2 35.0	1.797	2.673	12.0	18.1
11 27	5 24.67	+ 2 15.9	1.766	2.689	9.2	18.0
12 7	5 15.30	+ 2 14.4	1.760	2.704	7.5	17.9
12 17	5 5.70	+ 2 32.1	1.782	2.718	7.9	18.0
12 27	4 56.96	+ 3 8.4	1.831	2.733	10.1	18.1
1 6	4 49.96	+ 4 0.3	1.906	2.747	12.8	18.3
1 16	4 45.29	+ 5 4.1	2.002	2.761	15.3	18.6

450942 2008 FH_{109} 12 10.8 242°.36 1°.2/10.9 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
11 7	5 39.03	+25 40.5	1.998	2.826	13.2	21.8
11 17	5 33.27	+25 58.7	1.921	2.825	9.9	21.6
11 27	5 25.15	+26 13.4	1.867	2.824	6.0	21.4
12 7	5 15.49	+26 23.0	1.842	2.823	2.1	21.1
12 17	5 5.34	+26 26.7	1.845	2.822	2.9	21.2
12 27	4 55.94	+26 25.1	1.878	2.822	6.9	21.4
1 6	4 48.31	+26 20.5	1.938	2.821	10.6	21.7
1 16	4 43.18	+26 15.5	2.021	2.820	13.8	21.9

307911 2004 CU_{121} 12 10.8 61°.55 3°.2/11.4 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 40.85	+31 24.9	1.806	2.629	14.5	21.0
11 17	5 34.87	+31 42.6	1.735	2.633	11.1	20.8
11 27	5 26.19	+31 51.1	1.687	2.637	7.3	20.6
12 7	5 15.78	+31 47.9	1.666	2.641	3.8	20.4
12 17	5 4.92	+31 31.8	1.673	2.646	4.1	20.4
12 27	4 55.03	+31 5.1	1.709	2.650	7.7	20.6
1 6	4 47.30	+30 32.1	1.770	2.654	11.4	20.9
1 16	4 42.43	+29 57.6	1.855	2.659	14.7	21.1

273745 2007 EB_{121} 12 10.8 191°.10 0°.7/10.9 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 42.42	+25 5.5	1.924	2.748	13.8	21.9
11 17	5 35.83	+25 9.0	1.844	2.747	10.3	21.7
11 27	5 26.71	+25 8.5	1.789	2.745	6.3	21.4
12 7	5 15.94	+25 2.7	1.761	2.743	1.9	21.2
12 17	5 4.67	+24 51.3	1.762	2.740	2.9	21.2
12 27	4 54.22	+24 36.0	1.794	2.737	7.2	21.5
1 6	4 45.70	+24 19.6	1.852	2.733	11.2	21.7
1 16	4 39.84	+24 5.2	1.934	2.728	14.5	21.9

517360 2014 JX_{86} 12 10.8 54°.46 0°.2/10.7 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 39.51	+22 17.0	1.671	2.508	14.9	21.4
11 17	5 33.84	+22 21.1	1.604	2.514	11.0	21.2
11 27	5 25.56	+22 23.8	1.560	2.520	6.6	21.0
12 7	5 15.62	+22 24.4	1.543	2.526	1.8	20.7
12 17	5 5.24	+22 22.9	1.554	2.532	3.0	20.8
12 27	4 55.80	+22 20.6	1.593	2.539	7.7	21.1
1 6	4 48.45	+22 19.3	1.658	2.545	11.8	21.3
1 16	4 43.87	+22 21.1	1.745	2.552	15.3	21.6

415128 2012 DM_{36} 12 10.8 191°.61 2°.9/11.5 17

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 39.36	+32 44.5	2.523	3.329	11.4	22.0
11 17	5 33.17	+32 58.1	2.440	3.328	8.8	21.8
11 27	5 24.95	+33 3.7	2.382	3.326	5.9	21.7
12 7	5 15.42	+32 59.3	2.353	3.324	3.3	21.5
12 17	5 5.53	+32 44.3	2.353	3.322	3.5	21.5
12 27	4 56.30	+32 20.0	2.384	3.320	6.2	21.7
1 6	4 48.61	+31 49.5	2.443	3.317	9.1	21.9
1 16	4 43.10	+31 16.3	2.527	3.314	11.7	22.0

395963 2013 AQ_{174} 12 10.8 345°.79 4°.1/ 9.7 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 37.69	+15 50.7	1.640	2.479	15.0	20.9
11 17	5 32.43	+14 49.0	1.569	2.477	11.4	20.6
11 27	5 24.69	+13 48.5	1.521	2.476	7.4	20.4
12 7	5 15.37	+12 53.0	1.500	2.474	4.3	20.2
12 17	5 5.65	+12 6.8	1.506	2.473	5.4	20.3
12 27	4 56.82	+11 33.2	1.540	2.472	9.2	20.5
1 6	4 49.95	+11 14.1	1.599	2.471	13.1	20.7
1 16	4 45.72	+11 9.4	1.679	2.471	16.5	21.0

492067 2013 HE_{113} 12 10.8 344°.33 2°.1/11.1 17

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 39.31	+28 4.5	1.844	2.673	14.0	22.0
11 17	5 33.70	+28 23.2	1.768	2.672	10.6	21.7
11 27	5 25.51	+28 36.2	1.715	2.670	6.7	21.5
12 7	5 15.62	+28 41.2	1.689	2.669	2.8	21.3
12 17	5 5.21	+28 37.3	1.692	2.668	3.4	21.3
12 27	4 55.62	+28 25.8	1.723	2.667	7.4	21.5
1 6	4 48.01	+28 9.6	1.781	2.666	11.2	21.8
1 16	4 43.13	+27 52.5	1.861	2.666	14.6	22.0

140628 Klaipeda 12 10.8 117°.97 0°.2/10.8 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 42.90	+24 54.5	1.729	2.558	14.8	20.5
11 17	5 36.14	+24 34.0	1.665	2.571	11.0	20.2
11 27	5 26.82	+24 8.1	1.626	2.584	6.6	20.0
12 7	5 15.94	+23 36.9	1.613	2.596	1.9	19.7
12 17	5 4.80	+23 1.8	1.630	2.608	3.0	19.8
12 27	4 54.76	+22 26.1	1.675	2.619	7.5	20.2
1 6	4 46.90	+21 53.3	1.748	2.630	11.6	20.4
1 16	4 41.85	+21 26.5	1.843	2.641	15.0	20.7

222183 2000 CO_{61} 12 10.8 333°.55 8°.1/12.8 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 39.80	+43 17.1	1.693	2.494	16.4	19.0
11 17	5 34.95	+43 45.1	1.605	2.474	13.6	18.8
11 27	5 26.67	+43 53.9	1.538	2.455	10.7	18.6
12 7	5 16.02	+43 37.3	1.494	2.437	8.5	18.4
12 17	5 4.57	+42 52.3	1.475	2.420	8.3	18.3
12 27	4 54.21	+41 41.4	1.482	2.404	10.4	18.4
1 6	4 46.49	+40 12.4	1.514	2.389	13.5	18.6
1 16	4 42.34	+38 34.8	1.567	2.375	16.7	18.7

18592 1997 YO_{18} 12 10.8 204°.61 3°.7/11.5 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
11 7	5 43.46	+33 9.8	2.024	2.834	13.7	19.3
11 17	5 36.72	+33 30.7	1.941	2.830	10.6	19.1
11 27	5 27.32	+33 42.0	1.882	2.826	7.2	18.9
12 7	5 16.14	+33 40.3	1.850	2.821	4.2	18.7
12 17	5 4.41	+33 24.3	1.847	2.816	4.4	18.7
12 27	4 53.52	+32 55.7	1.874	2.810	7.5	18.8
1 6	4 44.67	+32 18.6	1.927	2.803	11.0	19.1
1 16	4 38.61	+31 38.5	2.005	2.796	14.2	19.2

90385 2003 WU_{121} 12 10.8 57°.41 2°.5/11.0 18

11 7	5 45.00	+26 45.0	1.193	2.041	19.0	19.0
11 17	5 38.64	+27 21.8	1.148	2.061	14.2	18.8
11 27	5 28.69	+27 52.6	1.122	2.081	8.7	18.5
12 7	5 16.50	+28 12.9	1.121	2.102	3.5	18.3
12 17	5 3.96	+28 20.9	1.146	2.123	4.3	18.4
12 27	4 53.06	+28 18.2	1.197	2.145	9.4	18.8
1 6	4 45.25	+28 9.6	1.272	2.166	14.1	19.1
1 16	4 41.24	+27 59.9	1.367	2.188	18.0	19.4

296900 2010 CY_{9} 12 10.8 182°.45 0°.2/10.8 18

11 7	5 41.03	+21 24.5	2.079	2.902	12.9	21.0
11 17	5 34.63	+21 44.4	2.000	2.903	9.6	20.8
11 27	5 25.94	+22 4.4	1.946	2.903	5.8	20.5
12 7	5 15.75	+22 23.3	1.920	2.903	1.6	20.2
12 17	5 5.07	+22 40.1	1.924	2.902	2.7	20.3
12 27	4 55.07	+22 55.0	1.959	2.901	6.8	20.6
1 6	4 46.78	+23 8.9	2.021	2.899	10.5	20.8
1 16	4 40.88	+23 23.2	2.107	2.897	13.6	21.0

230762 2003 WP_{192} 12 10.8 52°.58 5°.6/11.3 18

11 7	5 40.22	+ 3 28.0	2.075	2.872	13.8	18.9
11 17	5 33.68	+ 3 57.8	2.016	2.891	11.0	18.7
11 27	5 25.18	+ 4 42.3	1.982	2.910	8.0	18.6
12 7	5 15.50	+ 5 41.8	1.975	2.929	5.8	18.5
12 17	5 5.57	+ 6 54.8	1.998	2.949	6.0	18.5
12 27	4 56.41	+ 8 18.4	2.051	2.968	8.3	18.7
1 6	4 48.86	+ 9 48.8	2.133	2.988	11.0	18.9
1 16	4 43.49	+11 22.3	2.239	3.008	13.6	19.1

3400 Aotearoa 12 10.8 299°.89 1°.8/10.1 18

11 7	5 46.76	+28 42.9	1.038	1.891	20.8	18.2
11 17	5 40.64	+26 28.9	0.961	1.878	15.7	17.8
11 27	5 30.24	+23 46.6	0.904	1.866	9.6	17.5
12 7	5 17.03	+20 41.7	0.872	1.855	2.9	17.0
12 17	5 3.14	+17 28.4	0.867	1.843	5.5	17.2
12 27	4 50.99	+14 26.1	0.888	1.832	12.4	17.5
1 6	4 42.32	+11 51.6	0.933	1.821	18.6	17.8
1 16	4 38.00	+ 9 52.9	0.996	1.811	23.7	18.1

108018 2001 FO_{146} 12 10.8 320°.77 6°.4/12.0 18

11 7	5 42.02	+37 57.2	1.587	2.404	16.5	19.6
11 17	5 36.52	+38 29.8	1.508	2.394	13.2	19.4
11 27	5 27.59	+38 47.2	1.449	2.385	9.7	19.1
12 7	5 16.30	+38 43.8	1.416	2.376	6.9	18.9
12 17	5 4.23	+38 16.8	1.408	2.367	6.9	18.9
12 27	4 53.27	+37 28.7	1.427	2.359	9.7	19.1
1 6	4 44.97	+36 26.5	1.470	2.352	13.4	19.3
1 16	4 40.24	+35 18.5	1.535	2.344	16.9	19.5

164036 2003 UZ_{255} 12 10.8 30°.88 2°.9/10.4 18

11 7	5 37.84	+17 17.8	1.290	2.144	17.4	19.5
11 17	5 32.94	+17 0.2	1.240	2.157	13.0	19.3
11 27	5 25.12	+16 46.3	1.211	2.172	8.0	19.1
12 7	5 15.53	+16 37.7	1.207	2.187	3.4	18.8
12 17	5 5.62	+16 35.6	1.228	2.203	4.6	19.0
12 27	4 56.95	+16 41.1	1.276	2.221	9.3	19.3
1 6	4 50.71	+16 54.7	1.347	2.239	13.7	19.6
1 16	4 47.57	+17 16.0	1.439	2.257	17.4	19.9

267001 1094 $T\text{-}_{3}$ 12 10.8 103°.67 5°.5/12.1 18

11 7	5 45.61	+38 1.4	1.960	2.757	14.5	20.7
11 17	5 38.30	+38 36.7	1.899	2.774	11.5	20.5
11 27	5 28.20	+38 58.2	1.862	2.791	8.3	20.4
12 7	5 16.38	+39 1.7	1.851	2.808	5.9	20.2
12 17	5 4.23	+38 45.5	1.869	2.824	5.9	20.3
12 27	4 53.25	+38 12.1	1.915	2.840	8.2	20.4
1 6	4 44.61	+37 26.9	1.987	2.855	11.1	20.7
1 16	4 38.99	+36 36.4	2.083	2.870	13.9	20.9

35341 1997 GT_{22} 12 10.8 160°.71 3°.0/11.3 18

11 7	5 39.99	+31 19.7	2.375	3.185	11.9	18.3
11 17	5 33.78	+31 54.9	2.297	3.188	9.1	18.1
11 27	5 25.41	+32 23.7	2.245	3.190	6.0	17.9
12 7	5 15.62	+32 43.3	2.220	3.192	3.4	17.8
12 17	5 5.38	+32 52.1	2.225	3.194	3.7	17.8
12 27	4 55.80	+32 50.7	2.261	3.196	6.5	18.0
1 6	4 47.84	+32 41.4	2.324	3.198	9.5	18.2
1 16	4 42.16	+32 27.6	2.412	3.199	12.2	18.4

139448 2001 OL_{64} 12 10.8 150°.64 5°.6/ 9.6 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
11 7	5 37.39	+ 6 30.9	2.335	3.139	12.3	20.9
11 17	5 31.47	+ 5 47.1	2.268	3.148	9.7	20.7
11 27	5 23.83	+ 5 11.7	2.227	3.156	7.2	20.6
12 7	5 15.14	+ 4 47.7	2.213	3.163	5.7	20.5
12 17	5 6.21	+ 4 37.2	2.229	3.170	6.2	20.5
12 27	4 57.92	+ 4 41.1	2.273	3.176	8.3	20.7
1 6	4 51.01	+ 4 58.5	2.344	3.182	10.8	20.8
1 16	4 46.00	+ 5 27.7	2.438	3.187	13.1	21.0

89560 2001 XB_{100} 12 10.8 37°.76 2°.3/11.2 18

11 7	5 41.12	+28 11.3	1.267	2.115	18.0	18.1
11 17	5 35.69	+28 19.5	1.214	2.128	13.5	17.8
11 27	5 26.91	+28 19.1	1.182	2.141	8.4	17.6
12 7	5 16.06	+28 8.0	1.175	2.156	3.3	17.3
12 17	5 4.83	+27 46.0	1.193	2.171	4.0	17.4
12 27	4 55.05	+27 16.7	1.237	2.186	9.0	17.8
1 6	4 48.09	+26 45.4	1.305	2.202	13.6	18.1
1 16	4 44.64	+26 17.0	1.394	2.219	17.5	18.4

245806 2006 HR_{102} 12 10.8 41°.11 2°.4/10.8 18

11 7	5 43.16	+24 49.5	1.427	2.266	16.8	19.9
11 17	5 37.08	+26 2.2	1.370	2.280	12.6	19.7
11 27	5 27.78	+27 13.8	1.336	2.293	7.8	19.5
12 7	5 16.34	+28 18.9	1.327	2.308	3.2	19.2
12 17	5 4.30	+29 12.6	1.347	2.323	4.1	19.3
12 27	4 53.41	+29 53.5	1.394	2.338	8.7	19.7
1 6	4 45.09	+30 23.3	1.466	2.354	13.0	20.0
1 16	4 40.18	+30 45.5	1.559	2.370	16.7	20.2

487985 2015 TO_{322} 12 10.8 347°.99 0°.5/10.9 18

11 7	5 38.85	+23 31.3	1.732	2.568	14.5	21.2
11 17	5 33.44	+23 45.2	1.657	2.566	10.8	20.9
11 27	5 25.43	+23 57.2	1.605	2.564	6.5	20.7
12 7	5 15.68	+24 6.0	1.580	2.563	1.9	20.4
12 17	5 5.38	+24 10.9	1.583	2.562	3.0	20.4
12 27	4 55.91	+24 12.6	1.615	2.561	7.6	20.7
1 6	4 48.42	+24 13.3	1.672	2.560	11.7	21.0
1 16	4 43.69	+24 15.1	1.752	2.559	15.2	21.2

436431 2011 BW_{47} 12 10.8 239°.79 1°.0/11.0 18

11 7	5 42.71	+26 34.0	1.659	2.490	15.3	21.4
11 17	5 36.52	+26 23.2	1.575	2.480	11.5	21.2
11 27	5 27.38	+26 5.3	1.513	2.471	7.1	20.9
12 7	5 16.25	+25 39.3	1.478	2.460	2.3	20.6
12 17	5 4.46	+25 5.8	1.471	2.450	3.2	20.6
12 27	4 53.58	+24 27.6	1.493	2.439	8.1	20.9
1 6	4 44.93	+23 49.5	1.541	2.427	12.7	21.1
1 16	4 39.35	+23 15.7	1.611	2.415	16.5	21.3

517823 2015 RC_{46} 12 10.8 49°.35 3°.1/10.2 18

11 7	5 37.88	+16 14.6	1.705	2.542	14.6	21.4
11 17	5 32.48	+15 46.0	1.640	2.548	11.0	21.2
11 27	5 24.71	+15 20.4	1.598	2.554	6.9	21.0
12 7	5 15.44	+14 59.7	1.583	2.561	3.5	20.8
12 17	5 5.83	+14 45.6	1.596	2.567	4.4	20.9
12 27	4 57.10	+14 39.9	1.636	2.574	8.3	21.1
1 6	4 50.28	+14 43.3	1.702	2.581	12.1	21.3
1 16	4 46.02	+14 55.7	1.790	2.587	15.4	21.6

261688 2005 YA_{209} 12 10.8 21°.63 1°.9/10.9 18

11 7	5 39.22	+25 33.7	1.761	2.594	14.4	19.7
11 17	5 33.72	+26 20.7	1.693	2.599	10.8	19.5
11 27	5 25.60	+27 5.6	1.648	2.605	6.7	19.3
12 7	5 15.73	+27 45.1	1.630	2.611	2.6	19.0
12 17	5 5.32	+28 16.6	1.641	2.618	3.4	19.1
12 27	4 55.75	+28 39.7	1.680	2.625	7.5	19.4
1 6	4 48.18	+28 56.0	1.746	2.632	11.4	19.6
1 16	4 43.39	+29 8.1	1.834	2.640	14.7	19.8

169896 2002 RD_{182} 12 10.8 340°.50 2°.9/11.7 17

11 7	5 39.81	+32 42.7	1.506	2.339	16.4	18.9
11 17	5 34.59	+32 10.1	1.427	2.331	12.6	18.7
11 27	5 26.26	+31 21.8	1.370	2.324	8.2	18.4
12 7	5 15.92	+30 16.8	1.339	2.317	3.8	18.1
12 17	5 5.08	+28 57.2	1.335	2.311	4.0	18.1
12 27	4 55.42	+27 29.3	1.358	2.306	8.5	18.4
1 6	4 48.25	+26 1.2	1.407	2.301	13.0	18.6
1 16	4 44.34	+24 40.1	1.478	2.297	17.0	18.9

227642 2006 BW_{103} 12 10.8 32°.00 4°.6/12.0 17

11 7	5 40.25	+36 55.3	2.165	2.968	13.2	20.1
11 17	5 34.22	+37 12.6	2.089	2.969	10.4	19.9
11 27	5 25.75	+37 17.8	2.036	2.971	7.4	19.7
12 7	5 15.75	+37 8.0	2.010	2.972	5.0	19.6
12 17	5 5.34	+36 42.3	2.012	2.973	5.0	19.6
12 27	4 55.80	+36 2.9	2.044	2.975	7.4	19.8
1 6	4 48.20	+35 14.2	2.102	2.976	10.3	19.9
1 16	4 43.19	+34 21.6	2.184	2.978	13.1	20.1

373368 2012 LN_6 12 10.8 169°.04 1°.8/10.5 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
11 7	5 36.09	+16 25.3	2.493	3.314	11.1	20.9
11 17	5 30.60	+16 28.3	2.414	3.315	8.3	20.7
11 27	5 23.39	+16 34.2	2.362	3.316	5.1	20.5
12 7	5 15.07	+16 43.1	2.338	3.317	2.2	20.3
12 17	5 6.42	+16 55.3	2.344	3.318	3.0	20.4
12 27	4 58.30	+17 10.9	2.381	3.318	6.1	20.6
1 6	4 51.48	+17 30.2	2.446	3.319	9.1	20.8
1 16	4 46.49	+17 53.0	2.536	3.319	11.8	20.9

340252 2006 BB_{130} 12 10.8 339°.93 4°.9/10.1 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 37.41	+12 53.3	1.428	2.272	16.6	20.6
11 17	5 32.64	+12 19.7	1.357	2.267	12.7	20.4
11 27	5 25.06	+11 53.1	1.309	2.262	8.5	20.1
12 7	5 15.60	+11 36.6	1.285	2.258	5.2	19.9
12 17	5 5.56	+11 32.8	1.287	2.254	6.2	20.0
12 27	4 56.42	+11 43.0	1.315	2.250	10.1	20.2
1 6	4 49.44	+12 6.9	1.367	2.247	14.3	20.4
1 16	4 45.42	+12 42.7	1.439	2.245	18.1	20.7

348296 2004 XK_{181} 12 10.8 304°.40 3°.3/11.3 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 40.76	+30 8.8	1.608	2.440	15.6	20.0
11 17	5 35.34	+30 34.4	1.526	2.430	12.0	19.8
11 27	5 26.82	+30 52.4	1.467	2.419	7.8	19.5
12 7	5 16.14	+30 59.1	1.432	2.409	3.9	19.3
12 17	5 4.69	+30 52.6	1.426	2.400	4.4	19.3
12 27	4 54.12	+30 34.1	1.446	2.390	8.5	19.5
1 6	4 45.87	+30 8.0	1.492	2.381	12.8	19.7
1 16	4 40.84	+29 39.7	1.560	2.372	16.6	19.9

458653 2011 GZ_{59} 12 10.8 222°.52 1°.2/10.6 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 35.28	+18 19.0	3.023	3.838	9.5	22.2
11 17	5 29.82	+18 20.4	2.930	3.829	7.1	22.1
11 27	5 22.86	+18 22.9	2.865	3.820	4.3	21.9
12 7	5 14.94	+18 26.6	2.829	3.810	1.6	21.7
12 17	5 6.69	+18 31.7	2.824	3.800	2.3	21.7
12 27	4 58.82	+18 38.7	2.851	3.789	5.2	21.9
1 6	4 52.00	+18 48.0	2.907	3.778	7.9	22.1
1 16	4 46.73	+19 0.1	2.989	3.767	10.3	22.2

32625 2001 RZ_{45} 12 10.8 188°.38 0°.2/10.9 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 38.80	+24 22.0	2.035	2.863	13.0	19.0
11 17	5 33.02	+24 12.6	1.958	2.863	9.7	18.8
11 27	5 25.00	+23 59.3	1.904	2.862	5.8	18.5
12 7	5 15.56	+23 42.0	1.879	2.862	1.7	18.3
12 17	5 5.73	+23 21.3	1.883	2.861	2.6	18.3
12 27	4 56.65	+22 59.1	1.916	2.861	6.7	18.6
1 6	4 49.31	+22 38.0	1.977	2.860	10.5	18.8
1 16	4 44.35	+22 20.4	2.061	2.859	13.6	19.0

449872 2015 MZ_{58} 12 10.8 69°.68 4°.4/10.7 16

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 41.30	+10 32.3	1.654	2.480	15.6	20.6
11 17	5 34.87	+10 38.5	1.604	2.502	11.8	20.4
11 27	5 26.06	+10 55.0	1.577	2.525	7.9	20.3
12 7	5 15.83	+11 22.1	1.576	2.548	4.7	20.1
12 17	5 5.37	+11 59.4	1.604	2.570	5.3	20.2
12 27	4 55.94	+12 45.5	1.660	2.593	8.6	20.5
1 6	4 48.55	+13 38.2	1.742	2.615	12.2	20.7
1 16	4 43.79	+14 35.3	1.847	2.637	15.3	21.0

446556 2014 OS_1 12 10.8 198°.37 5°.8/ 9.3 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 37.62	+ 8 6.2	2.129	2.942	13.0	21.1
11 17	5 31.91	+ 7 9.5	2.054	2.940	10.2	21.0
11 27	5 24.24	+ 6 19.8	2.003	2.937	7.5	20.8
12 7	5 15.35	+ 5 41.0	1.980	2.934	5.8	20.7
12 17	5 6.10	+ 5 16.0	1.986	2.931	6.5	20.7
12 27	4 57.49	+ 5 6.6	2.020	2.927	9.0	20.9
1 6	4 50.37	+ 5 12.7	2.079	2.922	11.8	21.0
1 16	4 45.33	+ 5 32.8	2.162	2.918	14.4	21.2

478484 2012 RP_3 12 10.8 88°.28 2°.0/11.4 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 46.83	+30 8.7	1.658	2.479	15.8	20.6
11 17	5 38.99	+29 48.0	1.608	2.507	11.8	20.4
11 27	5 28.47	+29 16.7	1.582	2.535	7.3	20.2
12 7	5 16.48	+28 34.1	1.582	2.562	2.9	20.0
12 17	5 4.47	+27 42.2	1.612	2.589	3.4	20.1
12 27	4 53.91	+26 45.4	1.671	2.615	7.6	20.4
1 6	4 45.86	+25 49.6	1.757	2.640	11.5	20.7
1 16	4 40.84	+24 59.4	1.867	2.665	14.8	21.0

15571 2000 GM_{61} 12 10.8 27°.62 0°.2/10.8 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 36.49	+23 29.9	1.749	2.589	14.2	18.1
11 17	5 31.48	+23 29.7	1.690	2.601	10.5	17.9
11 27	5 24.12	+23 27.0	1.654	2.614	6.3	17.7
12 7	5 15.32	+23 21.3	1.645	2.628	1.8	17.4
12 17	5 6.22	+23 13.0	1.664	2.642	2.8	17.5
12 27	4 58.05	+23 3.6	1.711	2.657	7.1	17.8
1 6	4 51.80	+22 55.3	1.783	2.673	11.0	18.1
1 16	4 48.10	+22 50.1	1.879	2.689	14.3	18.3

271948 2005 AW_{17} 12 10.8 357°.69 8°.1/10.9 17

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
11 7	5 35.32	+ 1 18.4	1.663	2.477	16.0	19.2
11 17	5 30.70	+ 1 10.3	1.595	2.474	13.1	19.0
11 27	5 23.75	+ 1 21.0	1.548	2.471	10.2	18.9
12 7	5 15.25	+ 1 53.8	1.525	2.469	8.3	18.8
12 17	5 6.28	+ 2 49.3	1.528	2.468	8.6	18.8
12 27	4 58.04	+ 4 5.7	1.558	2.469	10.9	18.9
1 6	4 51.57	+ 5 38.2	1.612	2.470	13.8	19.1
1 16	4 47.58	+ 7 21.2	1.688	2.472	16.7	19.3

483 Seppina 12 10.8 94°.92 7°.1/ 8.9 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 32.96	− 0 49.6	2.651	3.435	11.5	13.8
11 17	5 28.11	− 1 41.8	2.587	3.439	9.6	13.7
11 27	5 21.82	− 2 22.1	2.548	3.444	8.0	13.6
12 7	5 14.66	− 2 47.3	2.535	3.449	7.2	13.6
12 17	5 7.28	− 2 55.1	2.550	3.453	7.5	13.6
12 27	5 0.40	− 2 45.0	2.592	3.458	8.9	13.7
1 6	4 54.64	− 2 18.4	2.659	3.463	10.7	13.8
1 16	4 50.47	− 1 37.9	2.748	3.467	12.5	14.0

47294 Blanský les 12 10.8 17°.14 0°.2/10.8 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 40.11	+21 25.9	1.157	2.015	18.7	17.6
11 17	5 35.30	+21 50.7	1.098	2.018	14.0	17.3
11 27	5 26.94	+22 16.8	1.060	2.023	8.4	17.0
12 7	5 16.21	+22 42.0	1.044	2.028	2.4	16.7
12 17	5 4.79	+23 4.4	1.054	2.033	3.8	16.8
12 27	4 54.65	+23 24.0	1.089	2.040	9.7	17.2
1 6	4 47.35	+23 42.3	1.147	2.047	14.8	17.5
1 16	4 43.76	+24 1.4	1.225	2.055	19.1	17.8

353048 2009 DG_{26} 12 10.8 349°.54 2°.1/11.2 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 35.06	+28 2.0	1.167	2.029	18.3	19.9
11 17	5 31.78	+28 1.5	1.097	2.018	13.9	19.6
11 27	5 24.95	+27 51.7	1.046	2.008	8.7	19.3
12 7	5 15.68	+27 30.8	1.019	2.000	3.3	19.0
12 17	5 5.61	+26 59.0	1.015	1.994	4.1	19.0
12 27	4 56.71	+26 20.2	1.036	1.989	9.7	19.3
1 6	4 50.59	+25 40.3	1.079	1.986	14.9	19.6
1 16	4 48.17	+25 4.6	1.142	1.985	19.4	19.9

453192 2008 FC_{32} 12 10.8 176°.55 1°.8/10.4 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 37.74	+18 46.7	2.015	2.845	13.0	21.9
11 17	5 32.19	+18 27.2	1.939	2.845	9.7	21.6
11 27	5 24.50	+18 8.2	1.888	2.845	5.9	21.4
12 7	5 15.45	+17 50.6	1.865	2.845	2.3	21.2
12 17	5 6.03	+17 35.7	1.871	2.845	3.3	21.3
12 27	4 57.32	+17 25.0	1.906	2.845	7.1	21.5
1 6	4 50.27	+17 20.0	1.967	2.845	10.7	21.7
1 16	4 45.49	+17 21.4	2.053	2.845	13.9	21.9

427526 2002 NF_{31} 12 10.8 118°.45 12°.8/ 9.6 16

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 41.64	− 9 41.4	1.757	2.512	17.6	21.3
11 17	5 34.96	−11 3.9	1.716	2.530	15.5	21.2
11 27	5 26.05	−12 1.2	1.696	2.548	13.7	21.2
12 7	5 15.85	−12 26.9	1.698	2.565	12.9	21.2
12 17	5 5.47	−12 18.0	1.724	2.582	13.1	21.2
12 27	4 56.07	−11 35.6	1.773	2.597	14.4	21.3
1 6	4 48.60	−10 25.2	1.845	2.612	16.1	21.5
1 16	4 43.63	− 8 53.7	1.934	2.627	17.8	21.7

172752 2004 CF_{108} 12 10.8 321°.70 6°.0/11.7 17

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 42.51	+37 9.5	1.762	2.573	15.4	20.4
11 17	5 36.63	+37 57.9	1.685	2.569	12.3	20.2
11 27	5 27.60	+38 33.9	1.631	2.564	9.0	20.0
12 7	5 16.40	+38 52.0	1.601	2.560	6.4	19.9
12 17	5 4.47	+38 49.1	1.599	2.556	6.5	19.9
12 27	4 53.50	+38 26.1	1.624	2.552	9.2	20.0
1 6	4 44.94	+37 48.4	1.674	2.548	12.5	20.2
1 16	4 39.65	+37 2.9	1.746	2.545	15.7	20.4

287380 2002 VT_{14} 12 10.8 122°.30 0°.5/10.7 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 39.12	+22 48.3	1.911	2.741	13.6	20.7
11 17	5 33.31	+22 29.3	1.838	2.745	10.1	20.5
11 27	5 25.20	+22 7.3	1.789	2.748	6.0	20.2
12 7	5 15.65	+21 42.7	1.768	2.751	1.7	20.0
12 17	5 5.74	+21 16.7	1.777	2.754	2.8	20.0
12 27	4 56.67	+20 51.5	1.814	2.758	7.1	20.3
1 6	4 49.43	+20 29.9	1.878	2.761	10.9	20.6
1 16	4 44.66	+20 13.8	1.965	2.763	14.2	20.8

520741 2014 QD_{474} 12 10.8 140°.70 0°.5/10.9 17

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 37.84	+23 26.8	2.517	3.336	11.0	21.5
11 17	5 31.98	+23 50.7	2.440	3.340	8.2	21.3
11 27	5 24.28	+24 13.2	2.389	3.345	4.9	21.1
12 7	5 15.39	+24 33.3	2.367	3.349	1.5	20.9
12 17	5 6.14	+24 50.0	2.376	3.354	2.2	21.0
12 27	4 57.46	+25 3.5	2.415	3.358	5.7	21.2
1 6	4 50.15	+25 14.7	2.483	3.361	8.8	21.4
1 16	4 44.80	+25 25.0	2.577	3.365	11.5	21.6

213162 2000 RF_{44} 12 10.8 62°.30 8°.8/ 8.9 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
11 7	5 40.17	+ 1 30.9	1.848	2.646	15.2	20.0
11 17	5 33.52	− 0 4.1	1.821	2.686	12.4	19.9
11 27	5 25.00	− 1 22.9	1.818	2.725	10.0	19.8
12 7	5 15.52	− 2 20.1	1.841	2.764	8.8	19.8
12 17	5 6.11	− 2 52.7	1.892	2.802	9.3	19.9
12 27	4 57.75	− 3 0.4	1.969	2.840	11.1	20.1
1 6	4 51.20	− 2 45.9	2.069	2.878	13.2	20.3
1 16	4 46.90	− 2 13.5	2.190	2.915	15.1	20.6

366767 2004 RZ_{203} 12 10.8 85°.73 0°.8/10.9 16

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 46.67	+25 32.4	1.269	2.110	18.4	21.5
11 17	5 39.62	+25 24.6	1.220	2.131	13.7	21.3
11 27	5 29.20	+25 10.5	1.192	2.151	8.2	21.0
12 7	5 16.78	+24 48.9	1.189	2.172	2.5	20.7
12 17	5 4.13	+24 20.8	1.213	2.191	3.6	20.9
12 27	4 53.11	+23 50.1	1.264	2.211	9.0	21.2
1 6	4 45.04	+23 21.6	1.339	2.230	13.8	21.6
1 16	4 40.56	+22 59.1	1.435	2.249	17.7	21.9

267233 2001 HE_{21} 12 10.8 160°.55 3°.6/11.4 17

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 39.93	+33 28.6	2.476	3.280	11.7	20.1
11 17	5 33.77	+34 6.2	2.397	3.282	9.0	19.9
11 27	5 25.46	+34 36.2	2.344	3.284	6.2	19.7
12 7	5 15.76	+34 55.8	2.319	3.286	3.9	19.6
12 17	5 5.61	+35 3.2	2.324	3.288	4.1	19.6
12 27	4 56.09	+34 59.0	2.358	3.289	6.5	19.7
1 6	4 48.17	+34 45.8	2.420	3.291	9.3	19.9
1 16	4 42.49	+34 27.1	2.507	3.292	11.9	20.1

318929 2005 UB_{95} 12 10.8 38°.00 0°.5/10.9 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 38.34	+25 25.6	1.707	2.544	14.6	20.4
11 17	5 32.93	+25 13.2	1.645	2.554	10.9	20.2
11 27	5 25.04	+24 55.6	1.606	2.566	6.5	20.0
12 7	5 15.64	+24 32.7	1.594	2.577	1.9	19.7
12 17	5 5.93	+24 5.6	1.610	2.589	2.9	19.8
12 27	4 57.24	+23 37.0	1.655	2.602	7.3	20.1
1 6	4 50.59	+23 10.0	1.725	2.614	11.3	20.4
1 16	4 46.62	+22 47.6	1.818	2.627	14.7	20.6

460952 2014 WZ_{267} 12 10.8 153°.73 0°.1/10.8 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 39.00	+20 28.2	2.563	3.379	11.0	20.9
11 17	5 32.84	+21 8.4	2.482	3.382	8.1	20.7
11 27	5 24.83	+21 50.2	2.428	3.384	4.9	20.5
12 7	5 15.59	+22 31.8	2.403	3.386	1.4	20.2
12 17	5 5.93	+23 11.7	2.410	3.388	2.2	20.3
12 27	4 56.77	+23 49.1	2.449	3.390	5.7	20.6
1 6	4 48.92	+24 23.9	2.517	3.392	8.8	20.8
1 16	4 43.00	+24 56.8	2.610	3.394	11.5	20.9

239363 2007 RR_{214} 12 10.8 104°.29 1°.2/11.1 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 42.22	+26 41.4	1.867	2.692	14.1	21.4
11 17	5 35.61	+26 41.2	1.805	2.707	10.5	21.2
11 27	5 26.57	+26 35.3	1.767	2.723	6.4	21.0
12 7	5 16.06	+26 22.6	1.756	2.738	2.2	20.8
12 17	5 5.28	+26 3.4	1.775	2.753	2.9	20.8
12 27	4 55.51	+25 39.8	1.823	2.767	7.0	21.1
1 6	4 47.78	+25 15.3	1.898	2.781	10.8	21.4
1 16	4 42.71	+24 53.0	1.996	2.795	14.0	21.6

27079 Vsetín 12 10.8 152°.25 1°.6/10.5 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 42.33	+19 52.6	1.870	2.696	14.0	20.2
11 17	5 35.65	+19 29.4	1.800	2.704	10.4	20.0
11 27	5 26.60	+19 5.6	1.755	2.712	6.3	19.8
12 7	5 16.08	+18 41.8	1.737	2.719	2.3	19.5
12 17	5 5.23	+18 19.5	1.750	2.725	3.4	19.6
12 27	4 55.28	+18 1.0	1.791	2.731	7.5	19.9
1 6	4 47.25	+17 48.1	1.860	2.736	11.4	20.1
1 16	4 41.79	+17 42.3	1.952	2.740	14.6	20.4

84273 2002 TF_{11} 12 10.8 15°.93 0°.4/10.8 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 38.28	+23 0.6	1.539	2.383	15.6	20.0
11 17	5 33.19	+22 47.9	1.472	2.386	11.6	19.7
11 27	5 25.36	+22 32.2	1.428	2.389	7.0	19.5
12 7	5 15.77	+22 13.5	1.409	2.392	2.0	19.2
12 17	5 5.72	+21 53.0	1.418	2.396	3.2	19.3
12 27	4 56.69	+21 33.0	1.454	2.401	8.1	19.6
1 6	4 49.83	+21 16.5	1.515	2.406	12.5	19.9
1 16	4 45.89	+21 5.8	1.597	2.412	16.2	20.1

370047 2000 SJ_{193} 12 10.8 83°.22 5°.1/11.6 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 47.99	+33 19.8	1.326	2.154	18.5	20.7
11 17	5 40.96	+33 59.7	1.273	2.172	14.3	20.5
11 27	5 30.23	+34 26.4	1.242	2.189	9.6	20.3
12 7	5 17.15	+34 34.3	1.235	2.206	5.7	20.1
12 17	5 3.66	+34 21.1	1.254	2.223	5.9	20.2
12 27	4 51.80	+33 50.2	1.300	2.240	9.7	20.5
1 6	4 43.10	+33 9.0	1.370	2.256	13.9	20.7
1 16	4 38.30	+32 25.1	1.461	2.273	17.5	21.0

59397 1999 FT_{26} 12 10.8 234°.05 0°.5/10.8 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
11 7	5 41.23	+21 26.3	1.881	2.709	13.9	19.6
11 17	5 35.14	+21 28.8	1.794	2.699	10.4	19.4
11 27	5 26.51	+21 30.6	1.731	2.689	6.3	19.1
12 7	5 16.14	+21 31.1	1.696	2.679	1.8	18.8
12 17	5 5.14	+21 30.2	1.689	2.667	3.0	18.9
12 27	4 54.83	+21 28.9	1.713	2.656	7.5	19.1
1 6	4 46.35	+21 28.9	1.762	2.644	11.6	19.4
1 16	4 40.50	+21 32.1	1.835	2.631	15.1	19.6

133814 Wenjengko 12 10.8 264°.34 6°.9/ 9.1 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 34.11	+ 2 1.2	2.409	3.206	12.2	19.8
11 17	5 29.19	+ 1 10.8	2.334	3.200	10.0	19.6
11 27	5 22.62	+ 0 31.1	2.282	3.194	8.0	19.5
12 7	5 14.99	+ 0 5.9	2.257	3.187	6.9	19.4
12 17	5 7.03	− 0 2.5	2.260	3.181	7.4	19.4
12 27	4 59.58	+ 0 6.9	2.290	3.175	9.2	19.5
1 6	4 53.35	+ 0 33.0	2.346	3.168	11.3	19.7
1 16	4 48.89	+ 1 13.5	2.424	3.162	13.5	19.8

27903 1996 RS_{11} 12 10.8 278°.28 3°.5/11.5 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 38.71	+33 36.5	2.380	3.188	12.0	18.8
11 17	5 33.03	+34 0.9	2.289	3.176	9.3	18.6
11 27	5 25.13	+34 17.3	2.223	3.165	6.4	18.4
12 7	5 15.74	+34 22.7	2.185	3.154	3.9	18.3
12 17	5 5.81	+34 16.0	2.176	3.143	4.1	18.2
12 27	4 56.50	+33 58.0	2.197	3.131	6.7	18.4
1 6	4 48.78	+33 31.7	2.245	3.120	9.7	18.6
1 16	4 43.36	+33 1.1	2.317	3.108	12.5	18.7

485999 2012 LE_{2} 12 10.8 192°.66 6°.6/ 8.9 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 34.05	+ 0 19.7	2.810	3.593	11.0	21.9
11 17	5 28.90	− 0 31.4	2.737	3.591	9.1	21.8
11 27	5 22.34	− 1 12.2	2.689	3.589	7.5	21.7
12 7	5 14.90	− 1 39.5	2.669	3.587	6.6	21.6
12 17	5 7.20	− 1 51.1	2.676	3.585	7.0	21.6
12 27	4 59.96	− 1 46.2	2.712	3.582	8.4	21.7
1 6	4 53.78	− 1 25.9	2.773	3.579	10.3	21.8
1 16	4 49.13	− 0 52.0	2.858	3.575	12.1	22.0

481673 2007 WF_{53} 12 10.8 61°.25 5°.3/11.2 17

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 45.53	+33 10.0	1.608	2.428	16.2	21.5
11 17	5 38.80	+34 24.4	1.554	2.446	12.5	21.3
11 27	5 28.85	+35 28.9	1.523	2.465	8.7	21.2
12 7	5 16.80	+36 17.2	1.517	2.483	5.7	21.0
12 17	5 4.21	+36 45.3	1.540	2.502	6.0	21.1
12 27	4 52.82	+36 53.8	1.589	2.521	9.0	21.3
1 6	4 44.04	+36 47.2	1.665	2.540	12.5	21.6
1 16	4 38.66	+36 31.7	1.762	2.559	15.6	21.8

420982 2013 PR_{31} 12 10.8 166°.94 0°.5/10.9 17

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 36.71	+25 48.5	2.623	3.441	10.7	21.1
11 17	5 31.06	+25 31.3	2.543	3.443	7.9	20.9
11 27	5 23.70	+25 9.7	2.489	3.445	4.8	20.7
12 7	5 15.29	+24 43.6	2.464	3.446	1.5	20.4
12 17	5 6.62	+24 14.1	2.470	3.448	2.1	20.5
12 27	4 58.56	+23 42.9	2.506	3.449	5.5	20.7
1 6	4 51.84	+23 12.4	2.571	3.450	8.5	20.9
1 16	4 46.99	+22 44.8	2.661	3.451	11.1	21.1

125863 2001 XK_{191} 12 10.8 17°.39 11°.9/13.8 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 42.68	− 6 38.7	1.153	1.954	22.4	18.4
11 17	5 36.89	− 6 2.6	1.098	1.961	18.9	18.2
11 27	5 27.78	− 4 48.2	1.062	1.970	15.4	18.0
12 7	5 16.51	− 2 51.8	1.046	1.979	12.6	17.9
12 17	5 4.70	− 0 16.9	1.055	1.991	12.1	17.9
12 27	4 54.14	+ 2 45.8	1.089	2.003	14.1	18.1
1 6	4 46.28	+ 6 2.0	1.148	2.017	17.4	18.3
1 16	4 41.93	+ 9 18.5	1.229	2.032	20.7	18.6

342049 2008 RN_{131} 12 10.8 118°.28 0°.5/10.8 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 42.86	+21 52.0	1.823	2.650	14.3	21.6
11 17	5 36.09	+21 52.1	1.761	2.665	10.6	21.4
11 27	5 26.89	+21 50.7	1.723	2.680	6.3	21.2
12 7	5 16.20	+21 47.4	1.712	2.695	1.8	20.9
12 17	5 5.21	+21 42.3	1.731	2.709	2.9	21.1
12 27	4 55.20	+21 36.8	1.780	2.723	7.3	21.4
1 6	4 47.21	+21 32.8	1.855	2.736	11.1	21.6
1 16	4 41.87	+21 32.3	1.953	2.748	14.4	21.9

120196 Kevinballou 12 10.8 216°.18 4°.6/ 9.8 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 40.64	+12 39.0	1.844	2.667	14.3	20.4
11 17	5 34.55	+11 53.2	1.763	2.661	11.0	20.1
11 27	5 26.07	+11 11.8	1.706	2.653	7.4	19.9
12 7	5 16.01	+10 37.8	1.676	2.645	4.8	19.7
12 17	5 5.45	+10 14.2	1.675	2.637	5.7	19.8
12 27	4 55.61	+10 3.1	1.702	2.627	9.0	20.0
1 6	4 47.54	+10 5.4	1.756	2.617	12.7	20.2
1 16	4 41.98	+10 20.2	1.831	2.607	15.9	20.4

249576 1995 FH_2 12 10.8 126°.60 5°.7/12.3 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
11 7	5 46.30	+41 40.3	2.554	3.324	12.3	21.4
11 17	5 38.47	+42 20.5	2.490	3.342	10.0	21.2
11 27	5 28.26	+42 47.3	2.450	3.360	7.6	21.1
12 7	5 16.59	+42 56.8	2.438	3.377	6.0	21.0
12 17	5 4.61	+42 47.3	2.455	3.394	5.9	21.1
12 27	4 53.56	+42 20.5	2.502	3.410	7.4	21.2
1 6	4 44.46	+41 40.7	2.576	3.425	9.6	21.4
1 16	4 37.96	+40 53.3	2.675	3.439	11.7	21.5

303625 2005 JX_{67} 12 10.8 46°.60 7°.0/10.7 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 47.60	+36 51.9	1.825	2.626	15.3	20.2
11 17	5 40.64	+38 38.8	1.752	2.628	12.3	20.1
11 27	5 30.24	+40 16.7	1.704	2.629	9.3	19.9
12 7	5 17.31	+41 37.1	1.682	2.631	7.2	19.8
12 17	5 3.29	+42 33.2	1.689	2.633	7.6	19.8
12 27	4 50.06	+43 3.4	1.723	2.635	10.0	19.9
1 6	4 39.27	+43 11.5	1.783	2.636	12.9	20.1
1 16	4 32.00	+43 4.3	1.865	2.638	15.8	20.3

333323 2001 QX_{60} 12 10.8 77°.49 1°.1/10.7 16

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 43.57	+20 51.2	1.472	2.309	16.5	21.1
11 17	5 36.91	+20 43.4	1.422	2.332	12.2	20.9
11 27	5 27.46	+20 35.1	1.395	2.355	7.3	20.7
12 7	5 16.36	+20 26.3	1.394	2.377	2.2	20.5
12 17	5 5.06	+20 17.5	1.421	2.399	3.5	20.6
12 27	4 55.06	+20 10.7	1.476	2.421	8.3	20.9
1 6	4 47.48	+20 7.8	1.557	2.443	12.5	21.2
1 16	4 42.95	+20 10.4	1.659	2.464	16.1	21.5

173850 2001 TK_{140} 12 10.8 74°.45 0°.9/10.7 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 39.18	+19 48.4	1.868	2.700	13.8	20.0
11 17	5 33.44	+19 57.6	1.799	2.706	10.2	19.8
11 27	5 25.38	+20 7.9	1.754	2.712	6.2	19.6
12 7	5 15.82	+20 18.9	1.736	2.718	1.9	19.3
12 17	5 5.84	+20 30.2	1.747	2.724	3.0	19.4
12 27	4 56.66	+20 42.3	1.787	2.731	7.2	19.7
1 6	4 49.30	+20 55.9	1.854	2.737	11.0	19.9
1 16	4 44.44	+21 12.0	1.944	2.743	14.3	20.1

460537 2014 TE_{39} 12 10.8 70°.58 2°.5/11.7 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 40.48	+32 28.4	2.196	3.007	12.7	20.6
11 17	5 34.01	+32 12.6	2.136	3.028	9.6	20.4
11 27	5 25.48	+31 46.8	2.101	3.049	6.2	20.2
12 7	5 15.79	+31 10.4	2.094	3.069	3.1	20.1
12 17	5 5.98	+30 24.5	2.117	3.090	3.2	20.1
12 27	4 57.15	+29 32.2	2.170	3.111	6.3	20.3
1 6	4 50.16	+28 37.9	2.251	3.131	9.4	20.6
1 16	4 45.51	+27 45.7	2.356	3.152	12.2	20.8

414353 2008 TO_{44} 12 10.8 46°.22 0°.6/10.9 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 37.18	+24 38.4	2.061	2.891	12.8	20.9
11 17	5 31.76	+24 42.0	1.998	2.903	9.4	20.7
11 27	5 24.26	+24 42.4	1.959	2.916	5.7	20.5
12 7	5 15.48	+24 38.9	1.947	2.930	1.7	20.3
12 17	5 6.43	+24 31.6	1.965	2.943	2.5	20.4
12 27	4 58.17	+24 22.0	2.012	2.957	6.4	20.7
1 6	4 51.60	+24 11.9	2.086	2.971	9.9	20.9
1 16	4 47.29	+24 3.6	2.183	2.985	12.8	21.1

258047 2001 NS_1 12 10.8 145°.91 2°.9/10.0 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 38.86	+16 5.7	2.286	3.106	12.0	21.5
11 17	5 32.68	+15 20.2	2.216	3.115	9.0	21.3
11 27	5 24.68	+14 36.0	2.172	3.124	5.8	21.1
12 7	5 15.59	+13 55.3	2.157	3.132	3.1	21.0
12 17	5 6.27	+13 20.3	2.172	3.140	3.9	21.0
12 27	4 57.66	+12 53.3	2.217	3.147	7.0	21.2
1 6	4 50.55	+12 35.4	2.290	3.154	10.1	21.4
1 16	4 45.45	+12 27.1	2.388	3.160	12.7	21.6

230422 2002 PG_{20} 12 10.8 70°.68 2°.3/11.5 17

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 38.73	+31 10.7	2.225	3.041	12.4	20.6
11 17	5 32.86	+31 5.1	2.155	3.050	9.4	20.4
11 27	5 24.89	+30 51.1	2.109	3.059	6.0	20.2
12 7	5 15.66	+30 27.5	2.091	3.067	2.9	20.0
12 17	5 6.16	+29 54.8	2.102	3.076	3.1	20.1
12 27	4 57.50	+29 15.4	2.143	3.085	6.3	20.3
1 6	4 50.55	+28 33.0	2.212	3.094	9.5	20.5
1 16	4 45.89	+27 51.4	2.305	3.103	12.4	20.7

190478 2000 DW_{96} 12 10.9 304°.28 3°.1/10.2 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 35.42	+14 45.4	2.122	2.951	12.5	20.1
11 17	5 30.48	+14 22.0	2.039	2.941	9.4	19.9
11 27	5 23.56	+14 2.0	1.980	2.932	6.1	19.7
12 7	5 15.33	+13 47.1	1.948	2.923	3.4	19.5
12 17	5 6.66	+13 38.7	1.945	2.914	4.2	19.5
12 27	4 58.56	+13 38.1	1.971	2.905	7.4	19.7
1 6	4 51.92	+13 45.9	2.024	2.896	10.8	19.9
1 16	4 47.36	+14 1.8	2.100	2.887	13.7	20.1

76440 2000 FY_{30} 12 10.9 343°.58 9°.1/11.2 18 R

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
11 7	5 42.62	+39 47.0	1.437	2.255	17.9	18.3
11 17	5 37.75	+41 23.1	1.365	2.246	14.7	18.1
11 27	5 28.88	+42 45.7	1.313	2.237	11.5	17.8
12 7	5 17.01	+43 45.2	1.285	2.230	9.4	17.7
12 17	5 3.90	+44 14.2	1.281	2.224	9.6	17.7
12 27	4 51.84	+44 12.0	1.301	2.218	12.0	17.8
1 6	4 42.80	+43 44.7	1.345	2.213	15.3	18.0
1 16	4 37.98	+43 1.4	1.407	2.210	18.6	18.2

220098 2002 SG_{48} 12 10.9 29°.12 2°.0/11.0 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 41.11	+25 35.2	1.119	1.976	19.2	19.7
11 17	5 36.17	+26 7.1	1.067	1.986	14.4	19.4
11 27	5 27.54	+26 34.9	1.035	1.997	8.8	19.2
12 7	5 16.51	+26 54.6	1.026	2.008	3.2	18.9
12 17	5 4.91	+27 4.3	1.042	2.021	4.2	19.0
12 27	4 54.79	+27 5.3	1.083	2.034	9.7	19.4
1 6	4 47.71	+27 1.6	1.147	2.048	14.7	19.7
1 16	4 44.47	+26 57.3	1.230	2.063	18.9	20.0

296296 2009 DW_{104} 12 10.9 261°.32 2°.0/10.5 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 38.54	+18 11.6	1.870	2.702	13.8	21.4
11 17	5 33.06	+17 56.1	1.789	2.695	10.3	21.2
11 27	5 25.22	+17 41.8	1.732	2.689	6.4	20.9
12 7	5 15.82	+17 29.7	1.701	2.682	2.6	20.7
12 17	5 5.91	+17 20.8	1.700	2.675	3.6	20.7
12 27	4 56.70	+17 16.6	1.728	2.668	7.7	21.0
1 6	4 49.25	+17 18.3	1.781	2.661	11.6	21.2
1 16	4 44.27	+17 26.6	1.858	2.654	14.9	21.4

357705 2005 QF_4 12 10.9 125°.95 5°.6/12.4 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 44.87	+40 42.9	2.339	3.119	13.0	21.0
11 17	5 37.57	+41 14.1	2.272	3.133	10.5	20.8
11 27	5 27.81	+41 31.6	2.229	3.146	7.9	20.7
12 7	5 16.51	+41 31.5	2.212	3.158	6.0	20.6
12 17	5 4.89	+41 12.5	2.224	3.170	5.9	20.6
12 27	4 54.24	+40 36.5	2.266	3.182	7.6	20.7
1 6	4 45.63	+39 48.2	2.334	3.193	10.1	20.9
1 16	4 39.72	+38 53.6	2.427	3.203	12.4	21.1

505641 2014 OS_{40} 12 10.9 216°.33 12°.7/14.5 17

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 58.48	+50 8.4	1.269	2.045	22.1	21.8
11 17	5 50.52	+50 55.2	1.198	2.041	19.0	21.6
11 27	5 36.84	+51 11.1	1.145	2.037	15.9	21.4
12 7	5 19.22	+50 42.6	1.112	2.033	13.4	21.2
12 17	5 0.71	+49 22.9	1.101	2.028	12.8	21.2
12 27	4 44.77	+47 18.0	1.115	2.022	14.5	21.3
1 6	4 33.70	+44 44.9	1.151	2.017	17.6	21.5
1 16	4 28.31	+42 3.1	1.208	2.010	21.0	21.7

394573 2007 VG_{54} 12 10.9 37°.00 6°.1/ 9.1 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 37.80	+12 5.7	1.563	2.400	15.7	20.1
11 17	5 32.54	+10 36.5	1.504	2.408	12.1	19.9
11 27	5 24.85	+ 9 12.4	1.469	2.415	8.5	19.7
12 7	5 15.69	+ 7 59.2	1.459	2.423	6.2	19.6
12 17	5 6.24	+ 7 2.2	1.477	2.431	7.2	19.7
12 27	4 57.79	+ 6 25.1	1.521	2.440	10.4	19.9
1 6	4 51.34	+ 6 8.6	1.589	2.449	13.9	20.1
1 16	4 47.52	+ 6 10.9	1.678	2.459	17.0	20.4

451803 2013 HM_{32} 12 10.9 75°.32 7°.7/12.6 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 46.12	+43 45.8	1.993	2.772	15.0	20.7
11 17	5 39.09	+44 43.4	1.934	2.787	12.4	20.6
11 27	5 28.98	+45 23.9	1.897	2.801	9.8	20.5
12 7	5 16.89	+45 41.7	1.885	2.816	8.0	20.4
12 17	5 4.33	+45 34.0	1.900	2.830	7.9	20.4
12 27	4 52.96	+45 2.6	1.942	2.845	9.5	20.5
1 6	4 44.11	+44 13.8	2.009	2.860	11.8	20.7
1 16	4 38.53	+43 14.9	2.099	2.874	14.2	20.9

124893 2001 TM_{49} 12 10.9 263°.23 1°.0/10.6 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 40.67	+22 17.9	1.634	2.471	15.2	19.4
11 17	5 35.00	+21 49.2	1.552	2.462	11.4	19.1
11 27	5 26.56	+21 16.7	1.493	2.452	6.9	18.8
12 7	5 16.25	+20 41.2	1.460	2.443	2.1	18.5
12 17	5 5.33	+20 4.5	1.455	2.433	3.4	18.6
12 27	4 55.27	+19 30.1	1.479	2.423	8.3	18.8
1 6	4 47.32	+19 1.3	1.528	2.413	12.8	19.1
1 16	4 42.27	+18 41.0	1.599	2.403	16.6	19.3

325696 2009 UA_{34} 12 10.9 187°.67 2°.1/11.2 17

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 39.15	+28 54.6	2.514	3.326	11.3	21.1
11 17	5 33.13	+29 22.5	2.431	3.325	8.5	20.9
11 27	5 25.12	+29 45.7	2.375	3.325	5.4	20.7
12 7	5 15.79	+30 2.1	2.347	3.324	2.6	20.5
12 17	5 6.04	+30 10.5	2.349	3.323	3.0	20.6
12 27	4 56.86	+30 11.4	2.382	3.321	5.9	20.8
1 6	4 49.13	+30 6.6	2.443	3.320	9.0	21.0
1 16	4 43.50	+29 58.9	2.530	3.318	11.7	21.1

482736 2013 EQ_{99} 12 10.9 329°.42 0°.4/10.8 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
11 7	5 37.62	+21 42.4	1.508	2.354	15.7	20.9
11 17	5 33.03	+21 50.1	1.427	2.342	11.8	20.6
11 27	5 25.53	+21 57.5	1.368	2.330	7.2	20.3
12 7	5 15.99	+22 4.1	1.335	2.318	2.1	20.0
12 17	5 5.69	+22 9.3	1.329	2.308	3.3	20.1
12 27	4 56.19	+22 14.0	1.349	2.298	8.5	20.3
1 6	4 48.83	+22 19.9	1.394	2.288	13.2	20.6
1 16	4 44.52	+22 28.9	1.461	2.280	17.2	20.8

213828 2003 QU_{75} 12 10.9 68°.25 2°.9/10.4 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 44.09	+18 44.8	1.230	2.077	18.5	19.6
11 17	5 37.58	+18 4.2	1.186	2.100	13.7	19.4
11 27	5 27.97	+17 24.7	1.164	2.123	8.4	19.1
12 7	5 16.56	+16 48.9	1.166	2.146	3.5	18.9
12 17	5 5.03	+16 19.7	1.195	2.169	4.8	19.1
12 27	4 55.04	+16 0.0	1.250	2.192	9.7	19.4
1 6	4 47.80	+15 51.6	1.329	2.215	14.2	19.8
1 16	4 43.92	+15 54.5	1.428	2.238	17.9	20.1

415006 2011 FS_{147} 12 10.9 232°.42 0°.2/10.9 17

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 38.12	+22 11.7	2.601	3.418	10.8	20.9
11 17	5 32.29	+22 38.1	2.510	3.410	8.0	20.7
11 27	5 24.60	+23 4.5	2.446	3.402	4.9	20.5
12 7	5 15.66	+23 29.7	2.411	3.394	1.4	20.3
12 17	5 6.26	+23 52.7	2.407	3.385	2.2	20.3
12 27	4 57.30	+24 13.2	2.434	3.376	5.6	20.5
1 6	4 49.62	+24 31.7	2.490	3.367	8.8	20.7
1 16	4 43.83	+24 49.5	2.572	3.358	11.5	20.9

359306 2009 HD_{89} 12 10.9 153°.19 1°.3/10.6 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 38.62	+20 34.9	2.068	2.895	12.8	21.7
11 17	5 32.83	+20 10.8	1.993	2.898	9.5	21.5
11 27	5 24.94	+19 45.4	1.944	2.901	5.8	21.3
12 7	5 15.74	+19 19.6	1.922	2.904	2.0	21.1
12 17	5 6.20	+18 54.8	1.930	2.906	3.0	21.1
12 27	4 57.41	+18 33.0	1.967	2.908	6.8	21.4
1 6	4 50.27	+18 16.3	2.032	2.910	10.4	21.6
1 16	4 45.39	+18 6.0	2.121	2.912	13.5	21.8

121749 1999 XU_{217} 12 10.9 165°.21 0°.7/10.7 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 36.85	+20 31.5	2.647	3.466	10.6	20.6
11 17	5 31.16	+20 30.9	2.568	3.469	7.8	20.4
11 27	5 23.81	+20 30.1	2.516	3.472	4.7	20.2
12 7	5 15.41	+20 29.0	2.493	3.475	1.5	20.0
12 17	5 6.71	+20 27.8	2.500	3.478	2.3	20.1
12 27	4 58.54	+20 27.3	2.539	3.480	5.5	20.3
1 6	4 51.64	+20 28.5	2.606	3.481	8.5	20.5
1 16	4 46.54	+20 32.3	2.698	3.483	11.1	20.7

180904 2005 JG_{179} 12 10.9 178°.06 0°.8/10.8 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 43.64	+20 27.5	1.793	2.619	14.5	21.5
11 17	5 36.93	+20 34.1	1.717	2.621	10.8	21.2
11 27	5 27.60	+20 41.1	1.665	2.622	6.6	21.0
12 7	5 16.53	+20 47.6	1.641	2.623	2.0	20.7
12 17	5 4.93	+20 53.3	1.646	2.623	3.1	20.8
12 27	4 54.17	+20 59.0	1.680	2.623	7.7	21.1
1 6	4 45.42	+21 6.1	1.741	2.622	11.8	21.3
1 16	4 39.43	+21 16.2	1.826	2.620	15.3	21.5

362732 2011 UB_{284} 12 10.9 75°.05 2°.7/11.5 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 41.08	+30 43.4	1.830	2.653	14.4	20.6
11 17	5 35.09	+30 50.6	1.758	2.657	10.9	20.4
11 27	5 26.48	+30 48.9	1.710	2.661	7.1	20.2
12 7	5 16.20	+30 36.1	1.689	2.666	3.4	20.0
12 17	5 5.49	+30 12.0	1.695	2.670	3.7	20.0
12 27	4 55.75	+29 38.9	1.731	2.674	7.4	20.3
1 6	4 48.10	+29 1.3	1.793	2.678	11.2	20.5
1 16	4 43.25	+28 23.8	1.878	2.682	14.5	20.7

326492 2002 GR_{172} 12 10.9 191°.12 5°.4/ 9.7 16

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 41.76	+11 44.2	1.690	2.515	15.3	22.1
11 17	5 35.50	+10 49.7	1.617	2.514	11.8	21.9
11 27	5 26.71	+10 0.6	1.567	2.513	8.1	21.6
12 7	5 16.28	+ 9 21.0	1.544	2.511	5.5	21.5
12 17	5 5.38	+ 8 54.2	1.549	2.508	6.4	21.5
12 27	4 55.34	+ 8 42.6	1.582	2.505	9.8	21.7
1 6	4 47.26	+ 8 46.6	1.640	2.501	13.5	21.9
1 16	4 41.87	+ 9 5.0	1.720	2.496	16.8	22.2

57522 2001 SR_{290} 12 10.9 27°.48 11°.0/ 8.8 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 35.33	− 1 46.3	1.611	2.417	16.8	18.4
11 17	5 30.65	− 3 14.9	1.562	2.425	14.2	18.3
11 27	5 23.72	− 4 24.4	1.534	2.434	12.1	18.2
12 7	5 15.41	− 5 7.9	1.530	2.443	11.0	18.1
12 17	5 6.80	− 5 21.4	1.549	2.452	11.5	18.2
12 27	4 59.08	− 5 4.3	1.592	2.463	13.3	18.3
1 6	4 53.18	− 4 20.3	1.657	2.473	15.6	18.5
1 16	4 49.72	− 3 15.0	1.741	2.485	17.8	18.7

344937 2004 TT_{272} 12 10.9 130°.76 2°.3/11.3 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
11 7	5 44.48	+29 21.6	2.062	2.874	13.4	21.2
11 17	5 37.25	+29 40.8	1.996	2.890	10.1	21.1
11 27	5 27.62	+29 53.1	1.955	2.905	6.4	20.9
12 7	5 16.51	+29 56.1	1.942	2.919	2.9	20.7
12 17	5 5.07	+29 49.1	1.959	2.933	3.3	20.7
12 27	4 54.58	+29 33.5	2.006	2.946	6.8	21.0
1 6	4 46.05	+29 12.7	2.081	2.958	10.3	21.2
1 16	4 40.13	+28 50.6	2.180	2.970	13.2	21.4

305919 2009 FW_{61} 12 10.9 75°.65 3°.9/10.2 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 38.11	+13 48.7	1.805	2.636	14.2	20.8
11 17	5 32.62	+13 17.0	1.739	2.642	10.8	20.6
11 27	5 24.89	+12 50.3	1.696	2.647	7.1	20.4
12 7	5 15.75	+12 30.6	1.680	2.653	4.1	20.2
12 17	5 6.26	+12 20.0	1.692	2.659	5.0	20.3
12 27	4 57.59	+12 19.7	1.732	2.665	8.4	20.5
1 6	4 50.70	+12 29.9	1.798	2.670	11.9	20.7
1 16	4 46.23	+12 49.9	1.887	2.676	15.0	21.0

365000 2008 KV_{16} 12 10.9 27°.31 5°.1/10.5 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 36.95	+ 8 29.8	1.897	2.718	14.0	20.6
11 17	5 31.70	+ 8 18.9	1.828	2.722	10.9	20.4
11 27	5 24.32	+ 8 18.2	1.784	2.725	7.7	20.2
12 7	5 15.59	+ 8 29.7	1.765	2.729	5.3	20.1
12 17	5 6.48	+ 8 54.1	1.775	2.733	5.8	20.1
12 27	4 58.08	+ 9 31.0	1.812	2.737	8.6	20.3
1 6	4 51.30	+10 18.6	1.876	2.742	11.8	20.5
1 16	4 46.80	+11 14.4	1.963	2.746	14.7	20.7

415394 2013 NG_{13} 12 10.9 176°.68 0°.3/10.8 17

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 38.34	+20 58.5	2.360	3.182	11.6	21.8
11 17	5 32.52	+21 18.1	2.280	3.182	8.6	21.6
11 27	5 24.76	+21 38.1	2.226	3.183	5.2	21.4
12 7	5 15.72	+21 57.7	2.201	3.183	1.5	21.1
12 17	5 6.27	+22 16.0	2.206	3.184	2.4	21.2
12 27	4 57.39	+22 33.2	2.241	3.184	6.0	21.4
1 6	4 49.94	+22 49.7	2.305	3.184	9.3	21.6
1 16	4 44.53	+23 6.7	2.393	3.183	12.2	21.8

177202 2003 UJ_{91} 12 10.9 31°.34 5°.7/10.2 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 39.39	+12 55.0	1.149	2.003	19.0	19.7
11 17	5 34.51	+12 12.3	1.096	2.010	14.6	19.4
11 27	5 26.39	+11 38.2	1.063	2.018	9.7	19.2
12 7	5 16.22	+11 16.9	1.053	2.026	6.0	19.0
12 17	5 5.59	+11 11.2	1.067	2.035	7.0	19.1
12 27	4 56.24	+11 22.6	1.107	2.045	11.3	19.4
1 6	4 49.55	+11 49.7	1.168	2.055	15.8	19.7
1 16	4 46.25	+12 29.8	1.248	2.065	19.6	19.9

10974 Carolalbert 12 10.9 231°.07 1°.1/11.1 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 41.93	+25 56.8	1.887	2.712	13.9	18.9
11 17	5 35.76	+26 4.6	1.800	2.703	10.5	18.7
11 27	5 26.98	+26 7.8	1.738	2.694	6.5	18.4
12 7	5 16.40	+26 5.0	1.703	2.685	2.2	18.2
12 17	5 5.21	+25 55.6	1.698	2.675	3.0	18.2
12 27	4 54.75	+25 40.9	1.721	2.665	7.4	18.4
1 6	4 46.23	+25 23.9	1.772	2.655	11.4	18.7
1 16	4 40.42	+25 7.9	1.845	2.644	14.9	18.9

154931 2004 TQ_{1} 12 10.9 103°.51 4°.7/ 9.8 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 36.12	+10 14.9	2.174	2.993	12.5	20.3
11 17	5 30.81	+ 9 32.1	2.106	2.999	9.7	20.1
11 27	5 23.66	+ 8 55.6	2.063	3.005	6.8	20.0
12 7	5 15.40	+ 8 28.1	2.048	3.010	4.8	19.9
12 17	5 6.86	+ 8 11.9	2.061	3.016	5.5	19.9
12 27	4 58.97	+ 8 8.1	2.103	3.021	8.0	20.1
1 6	4 52.52	+ 8 16.7	2.171	3.026	10.9	20.3
1 16	4 48.07	+ 8 36.5	2.262	3.031	13.4	20.5

367441 2008 SF_{242} 12 10.9 24°.13 11°.4/ 6.4 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 34.80	− 4 10.9	1.888	2.675	15.4	19.8
11 17	5 29.99	− 6 22.9	1.842	2.683	13.4	19.6
11 27	5 23.22	− 8 17.0	1.818	2.692	11.9	19.6
12 7	5 15.27	− 9 45.7	1.820	2.702	11.4	19.6
12 17	5 7.08	−10 43.6	1.846	2.712	12.0	19.6
12 27	4 59.64	−11 8.9	1.895	2.722	13.5	19.7
1 6	4 53.78	−11 4.1	1.966	2.733	15.2	19.9
1 16	4 50.07	−10 33.8	2.054	2.745	17.0	20.1

302107 2001 HR_{56} 12 10.9 145°.42 0°.7/10.9 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 41.57	+24 33.5	2.446	3.259	11.5	21.5
11 17	5 34.77	+24 50.3	2.374	3.271	8.6	21.3
11 27	5 26.04	+25 4.5	2.328	3.283	5.2	21.1
12 7	5 16.08	+25 14.7	2.312	3.294	1.6	20.9
12 17	5 5.81	+25 20.3	2.326	3.304	2.3	21.0
12 27	4 56.23	+25 22.1	2.372	3.313	5.8	21.2
1 6	4 48.16	+25 21.5	2.447	3.322	9.0	21.5
1 16	4 42.21	+25 20.6	2.546	3.330	11.7	21.7

73737 1993 RH_4 12 10.9 169°.47 2°.7/11.4 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
11 7	5 41.43	+30 24.6	1.979	2.798	13.6	19.6
11 17	5 35.27	+30 40.9	1.903	2.799	10.4	19.4
11 27	5 26.59	+30 49.6	1.850	2.800	6.7	19.2
12 7	5 16.28	+30 48.3	1.825	2.801	3.3	19.0
12 17	5 5.49	+30 35.9	1.828	2.802	3.6	19.0
12 27	4 55.54	+30 14.2	1.861	2.802	7.1	19.2
1 6	4 47.54	+29 46.9	1.921	2.803	10.8	19.4
1 16	4 42.19	+29 18.0	2.004	2.803	13.9	19.6

81121 2000 ET_{126} 12 10.9 253°.91 0°.7/10.8 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 39.31	+21 0.4	2.022	2.849	13.0	20.6
11 17	5 33.62	+20 59.9	1.932	2.837	9.8	20.3
11 27	5 25.61	+20 58.9	1.867	2.825	5.9	20.1
12 7	5 16.02	+20 57.2	1.830	2.812	1.8	19.8
12 17	5 5.85	+20 54.9	1.822	2.800	2.8	19.8
12 27	4 56.28	+20 53.0	1.844	2.787	7.0	20.1
1 6	4 48.37	+20 53.1	1.892	2.774	10.9	20.3
1 16	4 42.85	+20 56.6	1.965	2.760	14.3	20.5

288879 2004 RN_{241} 12 10.9 16°.96 1°.2/10.7 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 36.98	+20 25.5	1.840	2.677	13.8	20.8
11 17	5 31.89	+20 14.2	1.769	2.679	10.2	20.5
11 27	5 24.51	+20 2.6	1.723	2.682	6.2	20.3
12 7	5 15.68	+19 51.1	1.703	2.685	2.0	20.0
12 17	5 6.45	+19 40.7	1.711	2.689	3.1	20.1
12 27	4 58.02	+19 32.8	1.748	2.692	7.3	20.4
1 6	4 51.37	+19 29.0	1.811	2.697	11.1	20.6
1 16	4 47.15	+19 30.5	1.897	2.701	14.4	20.9

71407 2000 AP_{175} 12 10.9 50°.92 7°.3/10.9 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 39.58	+ 4 7.5	1.554	2.373	16.7	18.2
11 17	5 33.88	+ 3 56.4	1.500	2.386	13.3	18.0
11 27	5 25.71	+ 4 2.2	1.468	2.400	9.9	17.9
12 7	5 16.01	+ 4 27.5	1.460	2.414	7.6	17.8
12 17	5 5.98	+ 5 12.5	1.479	2.428	7.9	17.8
12 27	4 56.93	+ 6 15.2	1.525	2.443	10.5	18.0
1 6	4 49.91	+ 7 31.4	1.595	2.458	13.7	18.3
1 16	4 45.56	+ 8 56.2	1.688	2.473	16.7	18.5

79959 1999 CO_{113} 12 10.9 337°.88 7°.9/ 8.6 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 34.63	+ 8 26.8	1.484	2.324	16.3	18.2
11 17	5 30.56	+ 6 57.0	1.412	2.313	13.0	17.9
11 27	5 23.92	+ 5 34.7	1.362	2.302	9.8	17.7
12 7	5 15.55	+ 4 26.9	1.337	2.291	8.0	17.6
12 17	5 6.64	+ 3 39.8	1.336	2.282	9.0	17.6
12 27	4 58.52	+ 3 17.3	1.361	2.273	12.0	17.8
1 6	4 52.34	+ 3 19.3	1.408	2.266	15.5	18.0
1 16	4 48.87	+ 3 43.2	1.475	2.259	18.7	18.2

29058 2077 $T\text{-}_3$ 12 10.9 244°.43 5°.4/11.6 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 46.53	+35 39.4	1.830	2.635	15.1	20.0
11 17	5 39.75	+36 22.5	1.737	2.620	12.0	19.7
11 27	5 29.69	+36 55.0	1.668	2.604	8.6	19.5
12 7	5 17.26	+37 11.1	1.625	2.588	5.8	19.3
12 17	5 3.87	+37 7.1	1.610	2.571	6.0	19.3
12 27	4 51.26	+36 43.7	1.623	2.553	9.0	19.4
1 6	4 40.99	+36 5.8	1.662	2.535	12.7	19.6
1 16	4 34.06	+35 20.5	1.724	2.516	16.1	19.8

162263 1999 UB_{25} 12 10.9 43°.02 0°.6/10.9 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 41.91	+25 43.2	1.276	2.124	17.9	19.8
11 17	5 36.02	+25 24.7	1.234	2.149	13.2	19.6
11 27	5 27.06	+24 59.7	1.214	2.175	7.9	19.4
12 7	5 16.37	+24 28.4	1.219	2.202	2.3	19.1
12 17	5 5.58	+23 52.7	1.250	2.229	3.4	19.3
12 27	4 56.33	+23 16.8	1.307	2.256	8.6	19.6
1 6	4 49.80	+22 44.9	1.389	2.285	13.1	20.0
1 16	4 46.53	+22 20.1	1.492	2.313	16.8	20.3

513606 2011 GL_{34} 12 10.9 183°.94 2°.1/10.5 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 41.51	+18 40.3	1.901	2.727	13.8	22.5
11 17	5 35.17	+18 14.5	1.824	2.727	10.3	22.2
11 27	5 26.47	+17 48.9	1.771	2.727	6.4	22.0
12 7	5 16.25	+17 24.4	1.746	2.727	2.6	21.8
12 17	5 5.61	+17 2.9	1.751	2.726	3.6	21.8
12 27	4 55.77	+16 46.2	1.785	2.724	7.6	22.1
1 6	4 47.75	+16 36.2	1.846	2.722	11.5	22.3
1 16	4 42.24	+16 34.0	1.930	2.719	14.8	22.5

241567 1993 OJ_9 12 10.9 81°.26 2°.5/10.6 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 40.37	+16 32.3	1.787	2.617	14.4	20.3
11 17	5 34.23	+16 22.5	1.731	2.636	10.7	20.1
11 27	5 25.82	+16 16.1	1.699	2.654	6.7	19.9
12 7	5 16.04	+16 13.7	1.693	2.672	3.0	19.7
12 17	5 6.01	+16 16.1	1.717	2.691	3.8	19.8
12 27	4 56.94	+16 24.0	1.770	2.709	7.6	20.1
1 6	4 49.77	+16 37.6	1.848	2.727	11.3	20.3
1 16	4 45.10	+16 57.0	1.950	2.744	14.4	20.6

260142 2004 QA_{27} 12 10.9 357°.32 7°.1/10.6 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
11 7	5 36.96	+ 2 32.4	1.933	2.738	14.4	19.5
11 17	5 31.70	+ 2 18.2	1.862	2.737	11.7	19.3
11 27	5 24.36	+ 2 18.9	1.814	2.736	9.0	19.2
12 7	5 15.66	+ 2 37.5	1.792	2.736	7.3	19.1
12 17	5 6.54	+ 3 14.9	1.796	2.736	7.6	19.1
12 27	4 58.09	+ 4 10.1	1.829	2.736	9.8	19.2
1 6	4 51.20	+ 5 20.0	1.887	2.736	12.5	19.4
1 16	4 46.54	+ 6 40.5	1.968	2.736	15.2	19.6

4839 Daisetsuzan 12 10.9 72°.22 5°.2/10.0 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 39.58	+12 10.1	1.536	2.372	16.1	16.7
11 17	5 34.01	+11 26.5	1.475	2.379	12.3	16.5
11 27	5 25.85	+10 50.0	1.437	2.386	8.3	16.3
12 7	5 16.08	+10 23.9	1.424	2.394	5.4	16.1
12 17	5 5.94	+10 10.9	1.438	2.402	6.2	16.2
12 27	4 56.78	+10 12.6	1.480	2.409	9.7	16.4
1 6	4 49.71	+10 28.5	1.545	2.417	13.5	16.6
1 16	4 45.41	+10 56.8	1.632	2.425	16.8	16.9

430745 2004 KX_8 12 10.9 127°.31 0°.2/10.9 16

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 45.01	+22 8.3	2.010	2.827	13.5	22.3
11 17	5 37.59	+22 32.6	1.946	2.845	10.0	22.1
11 27	5 27.83	+22 56.1	1.908	2.863	6.0	21.9
12 7	5 16.62	+23 16.9	1.898	2.881	1.7	21.6
12 17	5 5.08	+23 33.9	1.919	2.897	2.6	21.7
12 27	4 54.44	+23 47.5	1.970	2.912	6.8	22.0
1 6	4 45.70	+23 58.9	2.050	2.927	10.4	22.3
1 16	4 39.51	+24 10.1	2.154	2.941	13.5	22.5

408605 2013 QB_{19} 12 10.9 157°.40 4°.0/10.1 17

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 35.31	+10 8.9	2.483	3.297	11.3	21.4
11 17	5 30.07	+ 9 48.4	2.408	3.299	8.7	21.2
11 27	5 23.20	+ 9 34.1	2.359	3.301	6.1	21.0
12 7	5 15.30	+ 9 27.8	2.338	3.302	4.1	20.9
12 17	5 7.12	+ 9 30.7	2.346	3.304	4.7	20.9
12 27	4 59.45	+ 9 43.2	2.384	3.305	7.0	21.1
1 6	4 53.04	+10 4.8	2.449	3.307	9.7	21.3
1 16	4 48.38	+10 34.5	2.538	3.308	12.1	21.5

22667 1998 QA_{26} 12 10.9 54°.04 2°.8/10.4 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 36.51	+15 24.7	2.057	2.886	12.8	18.2
11 17	5 31.25	+15 6.4	1.989	2.893	9.6	18.0
11 27	5 24.01	+14 51.5	1.946	2.899	6.1	17.8
12 7	5 15.54	+14 41.5	1.929	2.906	3.1	17.7
12 17	5 6.76	+14 37.3	1.942	2.913	3.9	17.7
12 27	4 58.68	+14 40.0	1.984	2.920	7.2	17.9
1 6	4 52.16	+14 49.9	2.052	2.927	10.5	18.2
1 16	4 47.78	+15 6.7	2.144	2.934	13.4	18.4

402126 2004 EW_{92} 12 10.9 194°.69 5°.1/ 9.9 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 37.28	+ 6 48.7	2.494	3.296	11.6	21.7
11 17	5 31.53	+ 6 20.0	2.415	3.294	9.2	21.5
11 27	5 24.09	+ 5 59.4	2.361	3.291	6.8	21.4
12 7	5 15.57	+ 5 49.2	2.335	3.288	5.2	21.3
12 17	5 6.72	+ 5 50.9	2.338	3.284	5.6	21.3
12 27	4 58.38	+ 6 5.1	2.371	3.279	7.8	21.4
1 6	4 51.29	+ 6 31.0	2.432	3.274	10.3	21.6
1 16	4 46.00	+ 7 7.1	2.516	3.269	12.7	21.7

2093 Genichesk 12 10.9 158°.85 3°.5/10.3 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 42.65	+14 31.0	1.789	2.613	14.6	17.2
11 17	5 36.03	+14 7.2	1.720	2.620	11.1	17.0
11 27	5 26.99	+13 47.8	1.675	2.626	7.1	16.7
12 7	5 16.41	+13 34.4	1.657	2.632	3.9	16.6
12 17	5 5.43	+13 28.5	1.668	2.637	4.7	16.6
12 27	4 55.33	+13 31.4	1.708	2.641	8.4	16.9
1 6	4 47.16	+13 43.2	1.774	2.644	12.1	17.1
1 16	4 41.59	+14 3.7	1.863	2.647	15.4	17.3

96190 1991 PD_{19} 12 10.9 56°.59 0°.3/10.9 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 42.10	+22 42.2	1.432	2.274	16.7	19.3
11 17	5 35.99	+22 40.4	1.384	2.295	12.3	19.0
11 27	5 27.04	+22 36.5	1.357	2.318	7.4	18.8
12 7	5 16.40	+22 29.7	1.357	2.340	2.1	18.6
12 17	5 5.54	+22 20.6	1.384	2.363	3.2	18.7
12 27	4 55.97	+22 11.2	1.438	2.385	8.2	19.0
1 6	4 48.86	+22 3.9	1.518	2.408	12.5	19.4
1 16	4 44.81	+22 1.0	1.619	2.431	16.1	19.6

384347 2009 TO_{30} 12 10.9 122°.50 1°.9/11.1 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 45.94	+26 52.6	1.706	2.529	15.3	20.9
11 17	5 38.75	+27 20.8	1.643	2.544	11.4	20.7
11 27	5 28.74	+27 43.8	1.604	2.558	7.1	20.5
12 7	5 16.92	+27 58.8	1.592	2.572	2.8	20.3
12 17	5 4.69	+28 4.1	1.609	2.585	3.4	20.3
12 27	4 53.54	+28 0.9	1.655	2.598	7.7	20.6
1 6	4 44.71	+27 52.6	1.728	2.610	11.7	20.9
1 16	4 38.92	+27 42.9	1.823	2.621	15.1	21.1

360134 2013 CG_{37} 12 10.9 282°.10 8°.3/ 9.8 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
11 7	5 37.44	+ 1 34.1	1.842	2.646	15.1	20.2
11 17	5 32.25	+ 0 53.5	1.764	2.635	12.4	20.0
11 27	5 24.80	+ 0 27.7	1.708	2.624	9.9	19.8
12 7	5 15.84	+ 0 21.3	1.677	2.613	8.4	19.7
12 17	5 6.34	+ 0 37.1	1.672	2.602	8.9	19.7
12 27	4 57.45	+ 1 15.4	1.694	2.591	11.1	19.8
1 6	4 50.19	+ 2 13.5	1.741	2.580	13.9	20.0
1 16	4 45.28	+ 3 27.2	1.808	2.569	16.6	20.1

121826 2000 BA_{10} 12 10.9 193°.44 2°.0/10.4 18

11 7	5 35.70	+15 50.0	2.936	3.750	9.8	21.1
11 17	5 30.21	+15 38.9	2.852	3.748	7.3	21.0
11 27	5 23.24	+15 29.9	2.794	3.746	4.6	20.8
12 7	5 15.34	+15 23.8	2.766	3.743	2.3	20.6
12 17	5 7.16	+15 21.2	2.768	3.739	2.9	20.7
12 27	4 59.42	+15 22.7	2.802	3.735	5.5	20.8
1 6	4 52.75	+15 28.9	2.865	3.731	8.2	21.0
1 16	4 47.65	+15 40.0	2.953	3.726	10.5	21.2

193017 2000 EF_{42} 12 10.9 319°.41 8°.6/ 8.5 17

11 7	5 34.00	− 0 0.4	2.090	2.888	13.7	20.1
11 17	5 29.43	− 1 12.2	2.016	2.878	11.5	19.9
11 27	5 22.98	− 2 11.1	1.966	2.869	9.6	19.8
12 7	5 15.30	− 2 51.8	1.941	2.860	8.7	19.7
12 17	5 7.23	− 3 10.7	1.943	2.851	9.2	19.7
12 27	4 59.71	− 3 6.3	1.970	2.843	11.0	19.8
1 6	4 53.58	− 2 40.0	2.021	2.835	13.2	20.0
1 16	4 49.44	− 1 55.0	2.092	2.827	15.5	20.1

348317 2005 BB_{18} 12 10.9 311°.22 1°.5/10.8 18

11 7	5 37.51	+17 6.0	2.031	2.860	12.9	20.5
11 17	5 32.34	+17 29.0	1.939	2.844	9.7	20.2
11 27	5 24.91	+17 56.7	1.872	2.829	6.0	20.0
12 7	5 15.89	+18 28.4	1.833	2.814	2.2	19.7
12 17	5 6.24	+19 3.3	1.823	2.799	3.1	19.7
12 27	4 57.07	+19 40.4	1.842	2.785	7.1	20.0
1 6	4 49.43	+20 19.4	1.888	2.771	10.9	20.2
1 16	4 44.09	+21 0.0	1.959	2.757	14.2	20.4

343925 2011 KM_{6} 12 10.9 152°.48 1°.2/11.0 18

11 7	5 43.75	+25 25.8	1.998	2.817	13.5	21.9
11 17	5 36.85	+25 47.9	1.926	2.825	10.1	21.7
11 27	5 27.52	+26 6.6	1.878	2.833	6.2	21.5
12 7	5 16.60	+26 19.9	1.859	2.840	2.1	21.3
12 17	5 5.24	+26 26.5	1.869	2.847	2.9	21.3
12 27	4 54.71	+26 27.3	1.910	2.852	6.9	21.6
1 6	4 46.08	+26 24.5	1.978	2.858	10.6	21.8
1 16	4 40.05	+26 20.9	2.070	2.862	13.8	22.1

109481 2001 QR_{222} 12 10.9 204°.25 2°.7/10.1 18

11 7	5 35.02	+14 56.0	2.728	3.546	10.3	20.3
11 17	5 29.78	+14 24.9	2.646	3.543	7.8	20.1
11 27	5 23.02	+13 55.9	2.590	3.540	5.0	19.9
12 7	5 15.29	+13 30.6	2.563	3.537	2.8	19.8
12 17	5 7.28	+13 10.3	2.566	3.533	3.5	19.8
12 27	4 59.76	+12 56.6	2.600	3.529	6.1	20.0
1 6	4 53.38	+12 50.1	2.662	3.525	8.8	20.2
1 16	4 48.64	+12 51.2	2.748	3.521	11.2	20.3

9917 Keynes 12 10.9 87°.80 4°.4/10.3 18

11 7	5 41.54	+13 30.2	1.523	2.357	16.2	17.5
11 17	5 35.41	+12 58.9	1.467	2.372	12.3	17.2
11 27	5 26.67	+12 34.0	1.435	2.386	8.1	17.0
12 7	5 16.35	+12 17.9	1.428	2.401	4.7	16.9
12 17	5 5.72	+12 12.5	1.448	2.416	5.5	17.0
12 27	4 56.19	+12 18.8	1.496	2.430	9.3	17.2
1 6	4 48.83	+12 36.5	1.569	2.444	13.2	17.5
1 16	4 44.31	+13 4.1	1.663	2.458	16.5	17.7

6994 1995 BV_{4} 12 10.9 271°.27 0°.4/10.9 18

11 7	5 37.43	+24 15.6	2.235	3.061	12.0	17.9
11 17	5 32.00	+24 15.4	2.154	3.058	9.0	17.7
11 27	5 24.54	+24 12.3	2.098	3.055	5.4	17.5
12 7	5 15.76	+24 5.8	2.070	3.052	1.6	17.2
12 17	5 6.57	+23 55.9	2.071	3.050	2.4	17.3
12 27	4 58.02	+23 44.0	2.103	3.047	6.2	17.5
1 6	4 50.99	+23 32.0	2.161	3.044	9.7	17.7
1 16	4 46.12	+23 22.0	2.244	3.041	12.7	17.9

112538 2002 PU_{39} 12 10.9 3°.01 4°.4/10.2 17

11 7	5 34.31	+12 50.6	1.708	2.548	14.5	19.1
11 17	5 30.02	+12 19.3	1.640	2.547	11.1	18.9
11 27	5 23.46	+11 54.1	1.596	2.547	7.4	18.7
12 7	5 15.46	+11 37.7	1.576	2.548	4.6	18.5
12 17	5 7.05	+11 32.2	1.584	2.550	5.4	18.6
12 27	4 59.40	+11 38.6	1.619	2.553	8.7	18.8
1 6	4 53.50	+11 56.8	1.679	2.557	12.3	19.0
1 16	4 50.01	+12 25.2	1.761	2.561	15.5	19.2

449502 2014 GZ_{15} 12 10.9 171°.83 1°.4/11.2 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
11 7	5 42.05	+27 16.0	2.509	3.318	11.4	22.6
11 17	5 35.22	+27 31.0	2.429	3.323	8.5	22.4
11 27	5 26.39	+27 41.6	2.375	3.326	5.3	22.2
12 7	5 16.28	+27 46.1	2.349	3.329	2.1	22.0
12 17	5 5.80	+27 43.9	2.355	3.332	2.6	22.1
12 27	4 55.96	+27 35.9	2.393	3.333	5.8	22.3
1 6	4 47.63	+27 24.3	2.459	3.334	9.0	22.5
1 16	4 41.43	+27 11.6	2.550	3.334	11.7	22.7

103151 1999 XR_{217} 12 10.9 152°.89 0°.9/10.8 18

11 7	5 40.40	+20 16.6	2.197	3.018	12.4	20.7
11 17	5 34.10	+20 17.3	2.124	3.025	9.2	20.6
11 27	5 25.75	+20 18.0	2.075	3.032	5.6	20.3
12 7	5 16.10	+20 18.5	2.056	3.038	1.7	20.1
12 17	5 6.11	+20 18.9	2.067	3.044	2.7	20.2
12 27	4 56.82	+20 20.1	2.108	3.049	6.4	20.4
1 6	4 49.12	+20 23.2	2.177	3.054	9.9	20.7
1 16	4 43.63	+20 29.3	2.270	3.058	12.8	20.9

320126 2007 EO_{187} 12 10.9 322°.91 4°.4/11.5 17

11 7	5 40.71	+33 40.8	1.953	2.768	13.9	20.6
11 17	5 35.03	+34 22.7	1.873	2.763	10.9	20.4
11 27	5 26.65	+34 55.8	1.816	2.758	7.5	20.1
12 7	5 16.43	+35 16.2	1.786	2.754	4.8	20.0
12 17	5 5.55	+35 21.2	1.784	2.749	5.0	20.0
12 27	4 55.45	+35 11.6	1.811	2.745	7.9	20.1
1 6	4 47.35	+34 51.0	1.863	2.741	11.2	20.3
1 16	4 42.05	+34 24.3	1.939	2.738	14.3	20.5

288370 2004 CH_{20} 12 10.9 179°.32 0°.4/10.8 18

11 7	5 39.82	+21 43.8	2.002	2.829	13.2	21.3
11 17	5 33.94	+21 48.2	1.925	2.830	9.8	21.1
11 27	5 25.78	+21 51.7	1.873	2.830	5.9	20.9
12 7	5 16.15	+21 53.9	1.848	2.830	1.7	20.6
12 17	5 6.06	+21 54.6	1.852	2.830	2.7	20.7
12 27	4 56.68	+21 54.7	1.886	2.830	6.8	20.9
1 6	4 49.04	+21 55.7	1.947	2.830	10.6	21.2
1 16	4 43.79	+21 59.2	2.032	2.829	13.8	21.4

446829 2001 QR_{210} 12 10.9 112°.31 3°.3/11.8 18

11 7	5 43.54	+33 42.8	2.222	3.025	12.9	21.6
11 17	5 36.44	+33 48.5	2.159	3.044	9.9	21.4
11 27	5 27.12	+33 44.0	2.120	3.062	6.6	21.3
12 7	5 16.48	+33 27.2	2.109	3.080	3.8	21.1
12 17	5 5.63	+32 58.1	2.128	3.097	3.8	21.2
12 27	4 55.76	+32 19.3	2.177	3.114	6.6	21.4
1 6	4 47.79	+31 34.9	2.254	3.130	9.7	21.6
1 16	4 42.31	+30 49.6	2.356	3.146	12.4	21.8

414735 2010 AH_{59} 12 10.9 2°.73 8°.2/12.1 17

11 7	5 40.16	− 2 27.3	1.837	2.622	15.8	19.5
11 17	5 34.21	− 2 0.1	1.764	2.621	13.1	19.3
11 27	5 25.96	− 1 10.6	1.713	2.621	10.4	19.1
12 7	5 16.20	+ 0 3.4	1.687	2.622	8.5	19.0
12 17	5 5.97	+ 1 40.8	1.690	2.624	8.5	19.0
12 27	4 56.43	+ 3 37.5	1.721	2.626	10.4	19.1
1 6	4 48.61	+ 5 47.0	1.780	2.629	13.2	19.3
1 16	4 43.21	+ 8 2.7	1.863	2.633	15.9	19.5

71659 2000 EC_{128} 12 10.9 318°.59 2°.7/10.4 18

11 7	5 35.70	+15 33.2	2.073	2.904	12.7	19.2
11 17	5 30.82	+15 19.7	1.991	2.895	9.6	19.0
11 27	5 23.90	+15 9.7	1.932	2.886	6.1	18.8
12 7	5 15.61	+15 4.3	1.901	2.878	3.1	18.6
12 17	5 6.88	+15 4.6	1.899	2.870	3.8	18.6
12 27	4 58.71	+15 11.4	1.925	2.862	7.3	18.8
1 6	4 52.04	+15 25.0	1.978	2.855	10.7	19.0
1 16	4 47.51	+15 45.3	2.055	2.848	13.8	19.2

45863 2000 UQ_{81} 12 10.9 340°.18 2°.7/10.4 18

11 7	5 39.11	+19 43.9	1.189	2.047	18.3	17.8
11 17	5 34.60	+19 1.6	1.121	2.041	13.8	17.5
11 27	5 26.69	+18 17.6	1.073	2.035	8.5	17.2
12 7	5 16.48	+17 34.7	1.049	2.030	3.4	16.9
12 17	5 5.57	+16 56.4	1.050	2.026	4.9	17.0
12 27	4 55.82	+16 27.0	1.075	2.022	10.4	17.2
1 6	4 48.71	+16 9.8	1.124	2.019	15.5	17.5
1 16	4 45.13	+16 5.9	1.191	2.017	19.9	17.8

43570 2001 FQ_{150} 12 10.9 53°.26 15°.2/ 6.9 18

11 7	5 41.92	− 3 16.2	1.203	2.015	21.1	17.2
11 17	5 35.77	− 6 22.7	1.182	2.040	18.2	17.1
11 27	5 26.83	− 9 0.0	1.181	2.066	16.0	17.0
12 7	5 16.38	−10 55.5	1.202	2.093	15.2	17.0
12 17	5 5.92	−12 2.4	1.245	2.120	16.0	17.2
12 27	4 56.93	−12 20.9	1.309	2.147	17.7	17.4
1 6	4 50.46	−11 58.0	1.391	2.174	19.7	17.6
1 16	4 47.04	−11 3.5	1.489	2.202	21.6	17.8

272094 2005 GX_{37} 12 10.9 288°.01 7°.4/ 7.7 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
11 7	5 35.03	+ 2 49.4	2.378	3.177	12.3	20.7
11 17	5 30.09	+ 1 23.0	2.287	3.154	10.2	20.5
11 27	5 23.38	+ 0 4.2	2.221	3.131	8.3	20.4
12 7	5 15.48	− 1 1.7	2.183	3.108	7.5	20.3
12 17	5 7.12	− 1 50.4	2.172	3.085	8.1	20.3
12 27	4 59.18	− 2 19.1	2.188	3.061	10.0	20.4
1 6	4 52.45	− 2 27.3	2.230	3.038	12.4	20.5
1 16	4 47.53	− 2 16.7	2.292	3.015	14.6	20.6

356976 1995 DU_{6} 12 10.9 232°.90 3°.8/11.7 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 42.58	+34 37.3	2.381	3.180	12.2	22.3
11 17	5 36.04	+35 2.4	2.286	3.167	9.6	22.1
11 27	5 27.12	+35 18.4	2.217	3.154	6.7	21.9
12 7	5 16.57	+35 22.2	2.175	3.141	4.2	21.8
12 17	5 5.43	+35 12.2	2.163	3.127	4.3	21.7
12 27	4 54.91	+34 49.3	2.181	3.112	6.9	21.9
1 6	4 46.08	+34 16.9	2.226	3.097	10.0	22.0
1 16	4 39.70	+33 39.6	2.297	3.082	12.8	22.2

429088 2009 RU_{43} 12 10.9 142°.26 0°.3/10.9 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 44.73	+24 35.9	1.839	2.661	14.4	21.9
11 17	5 37.61	+24 26.0	1.772	2.673	10.7	21.7
11 27	5 27.97	+24 11.6	1.728	2.685	6.5	21.4
12 7	5 16.76	+23 52.2	1.713	2.696	1.9	21.2
12 17	5 5.24	+23 28.4	1.727	2.705	2.8	21.2
12 27	4 54.72	+23 2.6	1.771	2.715	7.3	21.5
1 6	4 46.29	+22 38.1	1.842	2.723	11.2	21.8
1 16	4 40.59	+22 17.9	1.937	2.731	14.5	22.0

407080 2009 SE_{216} 12 10.9 83°.39 0°.1/10.9 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 38.35	+23 34.1	2.112	2.939	12.6	21.4
11 17	5 32.69	+23 32.5	2.042	2.947	9.3	21.2
11 27	5 24.96	+23 28.5	1.997	2.954	5.6	21.0
12 7	5 15.92	+23 21.4	1.979	2.962	1.6	20.7
12 17	5 6.55	+23 11.7	1.991	2.970	2.5	20.8
12 27	4 57.93	+23 0.7	2.033	2.977	6.4	21.1
1 6	4 50.96	+22 50.3	2.102	2.985	9.9	21.3
1 16	4 46.23	+22 42.5	2.195	2.993	12.9	21.5

139376 2001 MN_{20} 12 10.9 117°.72 2°.0/10.8 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 41.44	+15 36.8	2.188	3.004	12.6	20.6
11 17	5 34.79	+15 54.6	2.123	3.020	9.4	20.5
11 27	5 26.14	+16 16.7	2.083	3.036	5.8	20.3
12 7	5 16.25	+16 42.5	2.073	3.052	2.5	20.1
12 17	5 6.06	+17 11.4	2.093	3.067	3.2	20.2
12 27	4 56.59	+17 42.8	2.144	3.081	6.6	20.4
1 6	4 48.72	+18 16.4	2.223	3.095	9.9	20.6
1 16	4 43.03	+18 51.9	2.326	3.109	12.7	20.8

433881 2015 BD_{342} 12 10.9 198°.71 1°.7/11.1 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 45.50	+26 46.9	1.657	2.483	15.5	22.0
11 17	5 38.78	+27 4.0	1.578	2.480	11.7	21.8
11 27	5 29.00	+27 15.8	1.522	2.477	7.3	21.5
12 7	5 17.15	+27 19.8	1.493	2.474	2.7	21.2
12 17	5 4.61	+27 14.5	1.492	2.469	3.5	21.3
12 27	4 53.00	+27 1.4	1.520	2.464	8.1	21.5
1 6	4 43.71	+26 44.1	1.574	2.459	12.5	21.8
1 16	4 37.58	+26 27.0	1.651	2.453	16.3	22.0

328363 2008 OX_{19} 12 10.9 119°.42 4°.8/10.0 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 35.60	+ 8 41.7	2.302	3.117	12.1	20.7
11 17	5 30.43	+ 8 11.7	2.231	3.119	9.4	20.5
11 27	5 23.51	+ 7 49.3	2.183	3.121	6.7	20.4
12 7	5 15.51	+ 7 36.6	2.164	3.123	4.9	20.3
12 17	5 7.20	+ 7 35.3	2.173	3.126	5.4	20.3
12 27	4 59.46	+ 7 46.1	2.211	3.128	7.8	20.5
1 6	4 53.06	+ 8 8.2	2.276	3.130	10.5	20.6
1 16	4 48.53	+ 8 40.3	2.364	3.132	13.0	20.8

392282 2010 BX_{29} 12 10.9 147°.75 2°.3/11.2 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 43.54	+28 23.8	2.073	2.888	13.2	21.7
11 17	5 36.75	+28 58.5	2.000	2.895	10.0	21.5
11 27	5 27.51	+29 28.0	1.952	2.903	6.4	21.3
12 7	5 16.68	+29 49.4	1.932	2.910	2.9	21.1
12 17	5 5.38	+30 1.1	1.942	2.916	3.4	21.1
12 27	4 54.87	+30 3.5	1.982	2.922	6.9	21.3
1 6	4 46.23	+29 59.1	2.050	2.928	10.4	21.6
1 16	4 40.18	+29 51.4	2.142	2.933	13.4	21.8

517309 2014 HB_{188} 12 10.9 144°.02 1°.1/10.7 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 40.37	+20 2.4	2.204	3.025	12.3	22.4
11 17	5 34.04	+19 52.6	2.133	3.034	9.2	22.2
11 27	5 25.71	+19 42.5	2.088	3.044	5.5	22.0
12 7	5 16.14	+19 32.5	2.071	3.052	1.9	21.7
12 17	5 6.27	+19 23.1	2.084	3.061	2.8	21.8
12 27	4 57.13	+19 15.6	2.128	3.068	6.4	22.1
1 6	4 49.59	+19 11.3	2.200	3.076	9.9	22.3
1 16	4 44.23	+19 11.5	2.296	3.082	12.7	22.5

199432 2006 DH_{22} 12 10.9 170°.58 0°.1/10.9 17

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
11 7	5 37.31	+23 28.6	2.705	3.522	10.4	21.2
11 17	5 31.58	+23 30.2	2.625	3.525	7.7	21.0
11 27	5 24.17	+23 29.7	2.571	3.527	4.7	20.8
12 7	5 15.70	+23 26.7	2.546	3.529	1.3	20.6
12 17	5 6.93	+23 21.4	2.552	3.530	2.1	20.6
12 27	4 58.69	+23 14.6	2.589	3.532	5.3	20.8
1 6	4 51.72	+23 7.8	2.655	3.533	8.3	21.0
1 16	4 46.55	+23 2.4	2.746	3.533	10.9	21.2

8917 Tianjindaxue 12 10.9 4°.07 0°.6/11.1 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 36.89	+27 27.6	2.177	3.003	12.3	16.1
11 17	5 31.59	+26 48.3	2.099	3.003	9.2	15.9
11 27	5 24.27	+26 1.6	2.046	3.003	5.6	15.7
12 7	5 15.73	+25 8.3	2.022	3.004	1.8	15.4
12 17	5 6.92	+24 10.3	2.026	3.005	2.4	15.5
12 27	4 58.88	+23 11.3	2.061	3.007	6.2	15.7
1 6	4 52.46	+22 15.0	2.124	3.009	9.7	16.0
1 16	4 48.22	+21 24.8	2.211	3.011	12.7	16.2

118626 2000 HJ_{29} 12 10.9 247°.91 2°.8/11.4 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 43.51	+30 15.5	1.679	2.504	15.4	19.5
11 17	5 37.39	+30 24.9	1.595	2.495	11.8	19.2
11 27	5 28.22	+30 25.3	1.533	2.485	7.6	19.0
12 7	5 16.96	+30 13.9	1.498	2.476	3.6	18.7
12 17	5 4.98	+29 49.6	1.490	2.465	4.0	18.7
12 27	4 53.91	+29 14.8	1.511	2.455	8.2	18.9
1 6	4 45.12	+28 34.4	1.558	2.444	12.5	19.1
1 16	4 39.50	+27 54.1	1.627	2.434	16.3	19.4

480158 2015 FO_{292} 12 10.9 169°.47 2°.3/10.5 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 42.22	+18 49.6	1.587	2.422	15.6	21.6
11 17	5 36.12	+18 21.2	1.516	2.424	11.7	21.3
11 27	5 27.27	+17 52.8	1.468	2.426	7.2	21.1
12 7	5 16.64	+17 26.1	1.447	2.427	2.9	20.8
12 17	5 5.53	+17 3.0	1.453	2.428	4.1	20.9
12 27	4 55.39	+16 45.9	1.488	2.429	8.6	21.2
1 6	4 47.42	+16 36.8	1.548	2.429	12.9	21.4
1 16	4 42.34	+16 36.8	1.630	2.429	16.6	21.7

241831 2001 SL_{236} 12 10.9 21°.27 0°.6/10.9 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 38.48	+22 59.7	1.405	2.254	16.5	19.6
11 17	5 33.68	+23 26.2	1.347	2.262	12.3	19.4
11 27	5 25.93	+23 51.9	1.311	2.272	7.4	19.1
12 7	5 16.27	+24 14.5	1.300	2.283	2.2	18.8
12 17	5 6.13	+24 32.6	1.316	2.295	3.3	18.9
12 27	4 57.07	+24 46.6	1.358	2.308	8.3	19.3
1 6	4 50.37	+24 58.1	1.425	2.322	12.8	19.6
1 16	4 46.79	+25 9.3	1.513	2.336	16.5	19.8

230689 2003 UY_{15} 12 10.9 50°.36 6°.3/ 8.9 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 35.37	+ 6 54.2	2.160	2.974	12.8	19.6
11 17	5 30.29	+ 5 38.9	2.096	2.980	10.2	19.4
11 27	5 23.44	+ 4 31.4	2.057	2.986	7.7	19.3
12 7	5 15.51	+ 3 36.1	2.046	2.992	6.4	19.2
12 17	5 7.33	+ 2 56.6	2.062	2.998	7.0	19.3
12 27	4 59.80	+ 2 34.9	2.107	3.005	9.1	19.4
1 6	4 53.70	+ 2 30.7	2.176	3.011	11.6	19.6
1 16	4 49.53	+ 2 42.3	2.268	3.018	14.0	19.8

26446 2000 AE_{64} 12 10.9 188°.88 4°.8/10.2 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 38.63	+ 7 24.2	2.473	3.274	11.8	18.9
11 17	5 32.59	+ 7 5.8	2.393	3.273	9.2	18.7
11 27	5 24.81	+ 6 55.5	2.339	3.272	6.7	18.5
12 7	5 15.92	+ 6 55.4	2.313	3.270	4.9	18.4
12 17	5 6.68	+ 7 6.4	2.317	3.267	5.3	18.4
12 27	4 57.96	+ 7 28.8	2.351	3.263	7.6	18.6
1 6	4 50.52	+ 8 1.7	2.412	3.259	10.2	18.7
1 16	4 44.93	+ 8 43.4	2.498	3.255	12.6	18.9

276646 2003 UF_{253} 12 10.9 95°.08 5°.1/11.3 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 44.18	+36 22.2	2.375	3.167	12.5	19.8
11 17	5 37.30	+37 37.1	2.305	3.177	9.9	19.7
11 27	5 27.92	+38 43.2	2.261	3.187	7.2	19.5
12 7	5 16.86	+39 35.6	2.245	3.198	5.3	19.4
12 17	5 5.19	+40 10.8	2.258	3.208	5.5	19.4
12 27	4 54.19	+40 28.5	2.301	3.217	7.5	19.6
1 6	4 44.99	+40 31.4	2.372	3.227	10.1	19.8
1 16	4 38.35	+40 23.9	2.466	3.237	12.4	20.0

520752 2014 RG_{67} 12 10.9 108°.48 4°.2/ 9.9 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 36.07	+10 40.2	2.351	3.167	11.8	21.4
11 17	5 30.70	+10 4.7	2.285	3.176	9.1	21.2
11 27	5 23.65	+ 9 35.0	2.243	3.185	6.3	21.1
12 7	5 15.57	+ 9 13.4	2.230	3.194	4.4	20.9
12 17	5 7.25	+ 9 1.5	2.246	3.203	4.9	21.0
12 27	4 59.55	+ 9 0.5	2.291	3.211	7.3	21.2
1 6	4 53.19	+ 9 10.0	2.364	3.220	10.1	21.4
1 16	4 48.68	+ 9 29.2	2.459	3.228	12.5	21.5

158815 2003 US_{62} 12 10.9 113°.87 2°.3/10.5 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
11 7	5 37.19	+15 14.2	2.519	3.336	11.1	20.3
11 17	5 31.43	+15 4.4	2.453	3.350	8.3	20.2
11 27	5 24.05	+14 57.8	2.413	3.365	5.3	20.0
12 7	5 15.68	+14 55.0	2.402	3.378	2.6	19.8
12 17	5 7.09	+14 56.7	2.422	3.392	3.3	19.9
12 27	4 59.11	+15 3.4	2.471	3.405	6.1	20.1
1 6	4 52.43	+15 15.3	2.549	3.418	8.9	20.3
1 16	4 47.57	+15 32.4	2.652	3.431	11.4	20.5

517956 2015 TM_{347} 12 10.9 67°.68 0°.1/10.9 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 39.94	+22 7.5	1.867	2.697	13.8	21.0
11 17	5 34.22	+22 24.9	1.794	2.700	10.3	20.8
11 27	5 26.06	+22 41.9	1.745	2.703	6.2	20.5
12 7	5 16.31	+22 57.1	1.723	2.706	1.8	20.3
12 17	5 6.08	+23 9.9	1.730	2.708	2.8	20.3
12 27	4 56.61	+23 20.5	1.766	2.711	7.1	20.6
1 6	4 48.99	+23 30.2	1.829	2.714	11.0	20.9
1 16	4 43.93	+23 40.7	1.915	2.717	14.3	21.1

513950 2014 DO_{140} 12 10.9 163°.43 4°.8/12.1 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 45.97	+38 38.8	2.535	3.314	12.1	22.6
11 17	5 38.35	+39 8.9	2.458	3.322	9.7	22.4
11 27	5 28.39	+39 27.3	2.406	3.328	7.1	22.2
12 7	5 16.96	+39 30.6	2.382	3.334	5.1	22.1
12 17	5 5.12	+39 17.3	2.388	3.339	5.1	22.1
12 27	4 54.11	+38 48.7	2.424	3.344	7.0	22.3
1 6	4 44.93	+38 8.9	2.488	3.347	9.5	22.4
1 16	4 38.24	+37 23.0	2.578	3.350	11.9	22.6

165534 2001 CC_{47} 12 10.9 161°.81 1°.5/11.2 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 41.92	+27 35.9	2.018	2.838	13.4	20.3
11 17	5 35.54	+27 37.7	1.943	2.842	10.0	20.1
11 27	5 26.78	+27 33.5	1.892	2.846	6.2	19.8
12 7	5 16.50	+27 21.9	1.868	2.849	2.3	19.6
12 17	5 5.82	+27 2.9	1.875	2.852	2.9	19.6
12 27	4 55.97	+26 38.4	1.910	2.854	6.8	19.9
1 6	4 47.99	+26 11.6	1.974	2.856	10.5	20.1
1 16	4 42.55	+25 46.1	2.061	2.858	13.7	20.3

31578 1999 FM_{29} 12 10.9 227°.33 1°.4/10.7 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 38.62	+18 53.2	2.036	2.863	13.0	18.7
11 17	5 33.04	+18 50.8	1.956	2.861	9.7	18.5
11 27	5 25.28	+18 49.6	1.901	2.858	5.9	18.2
12 7	5 16.09	+18 49.9	1.874	2.855	2.1	18.0
12 17	5 6.45	+18 52.0	1.876	2.852	3.0	18.1
12 27	4 57.46	+18 56.6	1.907	2.849	6.9	18.3
1 6	4 50.08	+19 4.6	1.966	2.846	10.6	18.5
1 16	4 45.01	+19 16.8	2.048	2.843	13.8	18.7

207771 2007 TB_{40} 12 10.9 154°.22 0°.6/11.0 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 41.47	+24 27.1	2.036	2.859	13.2	21.2
11 17	5 35.15	+24 36.1	1.962	2.864	9.8	21.0
11 27	5 26.54	+24 42.2	1.913	2.869	6.0	20.8
12 7	5 16.44	+24 44.0	1.891	2.874	1.8	20.5
12 17	5 5.93	+24 41.3	1.900	2.878	2.6	20.6
12 27	4 56.20	+24 35.2	1.938	2.882	6.7	20.8
1 6	4 48.25	+24 27.8	2.003	2.885	10.4	21.1
1 16	4 42.75	+24 21.4	2.093	2.888	13.5	21.3

392805 2012 TA_{213} 12 10.9 298°.60 0°.4/10.9 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 39.92	+22 48.8	1.503	2.346	16.0	21.0
11 17	5 34.91	+22 38.0	1.416	2.329	12.0	20.7
11 27	5 26.85	+22 24.2	1.352	2.313	7.4	20.4
12 7	5 16.63	+22 6.9	1.313	2.296	2.1	20.0
12 17	5 5.57	+21 47.1	1.301	2.280	3.4	20.1
12 27	4 55.30	+21 27.1	1.317	2.264	8.7	20.4
1 6	4 47.25	+21 10.1	1.356	2.249	13.6	20.6
1 16	4 42.36	+20 59.0	1.417	2.233	17.8	20.8

520250 2014 DB_{155} 12 10.9 259°.70 0°.5/10.9 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 42.06	+19 33.0	1.791	2.619	14.4	21.7
11 17	5 36.06	+20 8.5	1.705	2.611	10.8	21.4
11 27	5 27.36	+20 47.5	1.644	2.602	6.6	21.2
12 7	5 16.75	+21 28.2	1.610	2.593	2.0	20.8
12 17	5 5.38	+22 8.4	1.605	2.583	3.0	20.9
12 27	4 54.65	+22 46.9	1.630	2.574	7.7	21.2
1 6	4 45.79	+23 23.6	1.681	2.565	11.9	21.4
1 16	4 39.70	+23 59.3	1.755	2.555	15.5	21.6

181608 2006 WT_{93} 12 10.9 135°.07 0°.4/10.9 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 39.73	+21 17.3	2.023	2.850	13.1	20.6
11 17	5 33.87	+21 29.6	1.949	2.853	9.7	20.4
11 27	5 25.78	+21 41.8	1.899	2.856	5.9	20.1
12 7	5 16.23	+21 53.2	1.877	2.860	1.7	19.9
12 17	5 6.26	+22 3.2	1.884	2.863	2.6	19.9
12 27	4 56.99	+22 12.2	1.922	2.866	6.7	20.2
1 6	4 49.42	+22 21.5	1.986	2.868	10.4	20.4
1 16	4 44.21	+22 32.2	2.074	2.871	13.6	20.7

74523 1999 GA_{6} 12 10.9 50°.42 10°.0/12.1 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
11 7	5 50.85	+38 8.7	0.921	1.765	23.5	19.0
11 17	5 44.80	+39 48.2	0.884	1.783	18.9	18.8
11 27	5 33.42	+41 6.2	0.864	1.802	14.1	18.6
12 7	5 18.52	+41 49.7	0.864	1.822	10.6	18.5
12 17	5 2.95	+41 52.3	0.887	1.842	10.5	18.5
12 27	4 49.86	+41 18.6	0.931	1.863	13.7	18.8
1 6	4 41.35	+40 21.8	0.996	1.884	17.7	19.1
1 16	4 38.15	+39 15.7	1.078	1.906	21.4	19.4

290370 2005 SS_{272} 12 10.9 72°.51 5°.2/10.1 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 37.63	+ 9 43.5	1.920	2.742	13.8	20.9
11 17	5 32.12	+ 9 5.1	1.863	2.756	10.7	20.7
11 27	5 24.60	+ 8 34.8	1.829	2.771	7.5	20.6
12 7	5 15.87	+ 8 15.4	1.822	2.785	5.3	20.5
12 17	5 6.90	+ 8 8.8	1.843	2.799	5.9	20.5
12 27	4 58.73	+ 8 15.8	1.892	2.813	8.6	20.7
1 6	4 52.21	+ 8 35.6	1.967	2.827	11.6	20.9
1 16	4 47.90	+ 9 6.3	2.065	2.841	14.3	21.2

248653 2006 HD_{57} 12 10.9 157°.33 4°.2/ 9.9 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 39.48	+11 32.9	2.332	3.143	12.1	21.8
11 17	5 33.21	+10 48.2	2.262	3.152	9.3	21.6
11 27	5 25.17	+10 8.1	2.217	3.159	6.4	21.4
12 7	5 16.03	+ 9 35.1	2.201	3.166	4.3	21.3
12 17	5 6.64	+ 9 11.6	2.216	3.173	5.0	21.4
12 27	4 57.91	+ 8 58.9	2.260	3.178	7.5	21.5
1 6	4 50.61	+ 8 57.4	2.331	3.183	10.3	21.7
1 16	4 45.27	+ 9 6.5	2.427	3.187	12.9	21.9

521858 2015 TW_{375} 12 10.9 177°.99 0°.5/10.8 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 38.81	+21 47.1	2.040	2.868	12.9	22.0
11 17	5 33.17	+21 42.1	1.964	2.869	9.6	21.8
11 27	5 25.35	+21 35.8	1.911	2.869	5.8	21.6
12 7	5 16.12	+21 28.1	1.886	2.869	1.7	21.3
12 17	5 6.47	+21 19.4	1.891	2.869	2.7	21.4
12 27	4 57.53	+21 11.0	1.925	2.869	6.7	21.6
1 6	4 50.26	+21 4.7	1.986	2.869	10.4	21.8
1 16	4 45.30	+21 2.0	2.071	2.869	13.6	22.1

77410 2001 FE_{172} 12 10.9 301°.06 5°.1/10.7 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 39.40	+ 8 55.2	1.746	2.568	15.0	19.2
11 17	5 33.88	+ 8 54.1	1.669	2.564	11.7	19.0
11 27	5 25.92	+ 9 4.4	1.616	2.559	8.1	18.8
12 7	5 16.32	+ 9 27.7	1.588	2.555	5.4	18.6
12 17	5 6.14	+10 4.5	1.588	2.550	5.9	18.6
12 27	4 56.66	+10 53.7	1.617	2.546	9.1	18.8
1 6	4 48.97	+11 53.1	1.671	2.542	12.7	19.0
1 16	4 43.81	+12 59.8	1.748	2.538	16.0	19.2

118552 2000 EZ_{164} 12 10.9 132°.43 1°.3/10.7 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 43.23	+19 53.8	1.885	2.709	14.0	20.8
11 17	5 36.41	+19 43.6	1.820	2.723	10.4	20.6
11 27	5 27.24	+19 33.4	1.780	2.736	6.3	20.4
12 7	5 16.64	+19 23.3	1.767	2.749	2.1	20.2
12 17	5 5.73	+19 14.0	1.785	2.761	3.1	20.3
12 27	4 55.75	+19 7.0	1.832	2.773	7.3	20.6
1 6	4 47.69	+19 3.9	1.906	2.784	11.0	20.8
1 16	4 42.18	+19 5.8	2.004	2.794	14.2	21.0

352965 2009 BN_{48} 12 10.9 324°.26 2°.5/11.3 17

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 39.19	+28 44.2	1.473	2.314	16.3	21.2
11 17	5 34.54	+28 54.1	1.390	2.300	12.4	21.0
11 27	5 26.70	+28 56.2	1.329	2.286	7.9	20.7
12 7	5 16.60	+28 47.9	1.293	2.273	3.4	20.4
12 17	5 5.68	+28 28.2	1.284	2.261	3.9	20.4
12 27	4 55.66	+27 59.3	1.300	2.249	8.7	20.6
1 6	4 48.02	+27 26.1	1.342	2.238	13.4	20.9
1 16	4 43.70	+26 53.7	1.404	2.227	17.5	21.1

219535 2001 QZ_{195} 12 10.9 67°.20 10°.7/ 7.1 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 45.49	+11 41.4	0.996	1.849	21.4	19.0
11 17	5 39.18	+ 8 28.0	0.949	1.858	16.9	18.7
11 27	5 29.28	+ 5 18.6	0.925	1.868	12.7	18.5
12 7	5 17.24	+ 2 29.9	0.924	1.878	10.7	18.5
12 17	5 4.96	+ 0 17.3	0.948	1.888	12.5	18.6
12 27	4 54.40	− 1 10.3	0.995	1.898	16.3	18.9
1 6	4 46.94	− 1 53.5	1.061	1.908	20.2	19.1
1 16	4 43.25	− 1 58.6	1.144	1.919	23.6	19.4

50470 2000 DQ_{69} 12 10.9 342°.50 6°.7/ 9.9 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 37.12	+10 58.7	1.228	2.079	18.3	19.2
11 17	5 32.97	+10 5.3	1.161	2.072	14.2	18.9
11 27	5 25.70	+ 9 20.9	1.114	2.065	10.0	18.7
12 7	5 16.31	+ 8 50.9	1.091	2.059	7.0	18.5
12 17	5 6.23	+ 8 39.5	1.092	2.054	7.9	18.5
12 27	4 57.14	+ 8 48.9	1.117	2.050	11.8	18.7
1 6	4 50.44	+ 9 18.0	1.164	2.046	16.2	19.0
1 16	4 46.99	+10 3.4	1.230	2.044	20.1	19.2

411029 2009 UD_{111} 12 10.9 120°.10 1°.7/11.2 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
11 7	5 39.64	+27 29.8	2.451	3.265	11.5	21.2
11 17	5 33.53	+27 55.9	2.379	3.275	8.6	21.0
11 27	5 25.46	+28 18.0	2.333	3.285	5.4	20.9
12 7	5 16.16	+28 34.1	2.315	3.294	2.3	20.7
12 17	5 6.50	+28 43.2	2.328	3.303	2.7	20.7
12 27	4 57.49	+28 46.0	2.372	3.313	5.8	20.9
1 6	4 49.98	+28 44.1	2.443	3.321	8.9	21.1
1 16	4 44.56	+28 40.0	2.540	3.330	11.6	21.3

520785 2014 SQ_{357} 12 10.9 92°.03 4°.2/10.3 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 36.39	+ 9 21.7	2.433	3.245	11.6	21.8
11 17	5 30.87	+ 9 4.7	2.372	3.260	9.0	21.6
11 27	5 23.74	+ 8 54.9	2.336	3.276	6.2	21.5
12 7	5 15.64	+ 8 53.8	2.329	3.291	4.3	21.4
12 17	5 7.33	+ 9 2.3	2.350	3.307	4.8	21.5
12 27	4 59.64	+ 9 20.5	2.402	3.322	7.0	21.6
1 6	4 53.25	+ 9 47.6	2.480	3.337	9.6	21.8
1 16	4 48.66	+10 22.2	2.583	3.351	12.0	22.0

387669 2002 SZ_{26} 12 10.9 88°.15 6°.2/ 9.8 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 40.35	+ 7 6.2	1.947	2.757	14.1	21.2
11 17	5 33.92	+ 6 10.4	1.902	2.785	11.1	21.0
11 27	5 25.58	+ 5 24.7	1.881	2.812	8.1	20.9
12 7	5 16.15	+ 4 52.7	1.887	2.839	6.3	20.8
12 17	5 6.62	+ 4 36.7	1.921	2.865	6.8	20.9
12 27	4 58.01	+ 4 37.5	1.984	2.890	9.1	21.1
1 6	4 51.12	+ 4 53.6	2.073	2.915	11.8	21.3
1 16	4 46.45	+ 5 22.8	2.183	2.940	14.2	21.5

159529 2001 FO_{176} 12 10.9 349°.97 3°.7/11.2 17

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 40.98	+30 51.3	2.023	2.841	13.4	19.2
11 17	5 35.17	+31 49.3	1.945	2.839	10.3	19.0
11 27	5 26.78	+32 42.0	1.891	2.837	6.9	18.8
12 7	5 16.61	+33 24.9	1.864	2.836	4.1	18.6
12 17	5 5.77	+33 55.2	1.867	2.835	4.4	18.6
12 27	4 55.60	+34 12.1	1.898	2.834	7.5	18.8
1 6	4 47.28	+34 18.0	1.956	2.833	10.8	19.0
1 16	4 41.63	+34 16.6	2.038	2.833	13.9	19.2

450396 2005 SY_{63} 12 10.9 22°.51 8°.4/12.0 17

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 46.01	+43 49.8	1.946	2.726	15.2	20.9
11 17	5 39.52	+45 7.9	1.876	2.728	12.7	20.7
11 27	5 29.68	+46 10.5	1.828	2.729	10.3	20.5
12 7	5 17.48	+46 50.4	1.805	2.731	8.7	20.5
12 17	5 4.44	+47 3.0	1.808	2.733	8.7	20.5
12 27	4 52.38	+46 48.8	1.838	2.735	10.3	20.6
1 6	4 42.85	+46 13.3	1.892	2.737	12.7	20.7
1 16	4 36.80	+45 24.1	1.968	2.740	15.1	20.9

257080 2008 FR_{135} 12 10.9 319°.17 0°.8/11.1 17

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 38.25	+25 27.7	1.744	2.580	14.4	20.8
11 17	5 33.29	+25 25.9	1.660	2.568	10.8	20.5
11 27	5 25.70	+25 19.5	1.599	2.557	6.6	20.3
12 7	5 16.30	+25 7.5	1.564	2.546	2.1	19.9
12 17	5 6.28	+24 50.1	1.557	2.536	3.0	20.0
12 27	4 57.01	+24 29.2	1.579	2.526	7.6	20.2
1 6	4 49.69	+24 7.9	1.626	2.516	11.8	20.5
1 16	4 45.11	+23 49.4	1.695	2.507	15.5	20.7

384704 2011 HW_{29} 12 10.9 202°.68 0°.4/10.9 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 42.96	+23 41.3	1.880	2.704	14.0	21.9
11 17	5 36.56	+23 50.7	1.798	2.701	10.5	21.7
11 27	5 27.56	+23 57.7	1.740	2.697	6.4	21.4
12 7	5 16.83	+24 1.0	1.710	2.692	1.9	21.1
12 17	5 5.51	+23 59.9	1.709	2.688	2.8	21.2
12 27	4 54.95	+23 55.6	1.738	2.682	7.3	21.5
1 6	4 46.31	+23 50.3	1.794	2.676	11.4	21.7
1 16	4 40.36	+23 46.5	1.873	2.670	14.8	21.9

320210 2007 HL_{28} 12 10.9 266°.13 5°.4/ 9.9 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 35.91	+ 7 38.8	2.203	3.017	12.6	20.3
11 17	5 30.82	+ 7 3.1	2.125	3.011	9.9	20.1
11 27	5 23.88	+ 6 35.6	2.071	3.006	7.3	19.9
12 7	5 15.73	+ 6 19.1	2.044	3.000	5.5	19.8
12 17	5 7.20	+ 6 15.8	2.045	2.994	6.1	19.8
12 27	4 59.22	+ 6 26.4	2.075	2.988	8.4	19.9
1 6	4 52.61	+ 6 50.3	2.131	2.983	11.2	20.1
1 16	4 47.96	+ 7 25.7	2.210	2.977	13.8	20.3

346555 2008 UV_{340} 12 10.9 167°.27 2°.1/11.3 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 43.30	+28 14.2	1.946	2.765	13.8	21.2
11 17	5 36.75	+28 33.2	1.871	2.769	10.4	21.0
11 27	5 27.64	+28 46.5	1.819	2.771	6.6	20.8
12 7	5 16.84	+28 51.5	1.795	2.774	2.8	20.6
12 17	5 5.55	+28 47.1	1.800	2.776	3.3	20.6
12 27	4 55.11	+28 34.8	1.835	2.778	7.1	20.9
1 6	4 46.63	+28 17.5	1.897	2.779	10.9	21.1
1 16	4 40.85	+27 59.1	1.983	2.779	14.1	21.3

155492 1999 AD_{15} 12 10.9 77°.25 0°.9/11.1 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
11 7	5 42.18	+25 51.3	1.542	2.379	16.0	20.7
11 17	5 36.32	+25 44.8	1.473	2.382	12.0	20.4
11 27	5 27.52	+25 32.5	1.427	2.385	7.3	20.2
12 7	5 16.83	+25 13.3	1.406	2.388	2.3	19.9
12 17	5 5.63	+24 47.8	1.413	2.392	3.2	20.0
12 27	4 55.51	+24 18.8	1.448	2.395	8.1	20.3
1 6	4 47.72	+23 50.5	1.508	2.398	12.6	20.5
1 16	4 43.03	+23 26.4	1.590	2.402	16.3	20.8

230149 2001 QX_{57} 12 10.9 32°.11 1°.7/11.1 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 41.29	+25 22.3	1.135	1.992	19.1	19.4
11 17	5 36.30	+25 47.8	1.087	2.005	14.2	19.2
11 27	5 27.74	+26 9.0	1.059	2.020	8.7	18.9
12 7	5 16.90	+26 22.6	1.053	2.035	3.0	18.7
12 17	5 5.59	+26 27.3	1.073	2.052	3.9	18.8
12 27	4 55.78	+26 24.8	1.118	2.069	9.4	19.1
1 6	4 48.94	+26 18.9	1.186	2.087	14.3	19.5
1 16	4 45.81	+26 13.4	1.274	2.106	18.4	19.8

177550 2004 FZ_{68} 12 10.9 272°.38 1°.3/10.7 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 38.71	+20 40.8	1.905	2.737	13.6	21.3
11 17	5 33.30	+20 20.4	1.823	2.730	10.1	21.0
11 27	5 25.55	+19 58.6	1.765	2.723	6.2	20.8
12 7	5 16.26	+19 36.3	1.733	2.715	2.1	20.5
12 17	5 6.47	+19 14.6	1.731	2.708	3.1	20.6
12 27	4 57.39	+18 55.7	1.758	2.701	7.3	20.8
1 6	4 50.05	+18 41.7	1.811	2.694	11.3	21.0
1 16	4 45.15	+18 34.2	1.888	2.687	14.6	21.2

19320 1996 XB_{6} 12 10.9 301°.94 1°.0/10.9 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 41.61	+18 10.3	1.630	2.464	15.3	18.1
11 17	5 35.94	+18 48.0	1.549	2.456	11.5	17.8
11 27	5 27.41	+19 31.2	1.490	2.449	7.1	17.5
12 7	5 16.86	+20 18.2	1.458	2.441	2.2	17.2
12 17	5 5.49	+21 6.5	1.455	2.433	3.3	17.3
12 27	4 54.83	+21 54.3	1.480	2.426	8.2	17.5
1 6	4 46.18	+22 40.8	1.532	2.419	12.6	17.8
1 16	4 40.48	+23 26.3	1.605	2.412	16.5	18.0

327601 2006 DQ_{211} 12 10.9 173°.69 4°.0/12.1 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 40.66	+38 55.7	3.229	4.005	9.8	21.9
11 17	5 34.08	+39 20.8	3.147	4.008	7.9	21.8
11 27	5 25.73	+39 36.5	3.091	4.011	5.8	21.6
12 7	5 16.27	+39 40.4	3.063	4.013	4.3	21.5
12 17	5 6.47	+39 31.6	3.065	4.014	4.2	21.5
12 27	4 57.24	+39 10.9	3.098	4.015	5.8	21.6
1 6	4 49.34	+38 40.9	3.160	4.016	7.8	21.8
1 16	4 43.32	+38 5.2	3.247	4.016	9.7	21.9

356181 2009 HS_{96} 12 10.9 206°.70 1°.5/10.7 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 39.27	+18 33.4	1.971	2.799	13.3	21.4
11 17	5 33.60	+18 34.0	1.893	2.797	10.0	21.2
11 27	5 25.69	+18 36.4	1.839	2.796	6.1	20.9
12 7	5 16.29	+18 40.7	1.813	2.795	2.2	20.7
12 17	5 6.42	+18 46.9	1.817	2.793	3.1	20.7
12 27	4 57.24	+18 55.8	1.849	2.792	7.1	21.0
1 6	4 49.74	+19 8.0	1.909	2.790	10.9	21.2
1 16	4 44.60	+19 24.1	1.992	2.788	14.1	21.4

321427 2009 QM_{32} 12 10.9 95°.92 7°.6/14.5 17

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 50.93	+50 9.7	2.488	3.219	13.6	20.2
11 17	5 42.10	+50 27.1	2.431	3.243	11.5	20.1
11 27	5 30.59	+50 24.6	2.395	3.266	9.5	20.0
12 7	5 17.61	+49 58.2	2.384	3.289	8.0	19.9
12 17	5 4.60	+49 7.1	2.402	3.311	7.7	20.0
12 27	4 53.02	+47 54.7	2.448	3.333	8.6	20.0
1 6	4 43.92	+46 27.6	2.521	3.354	10.3	20.2
1 16	4 37.87	+44 53.3	2.619	3.376	12.1	20.4

303655 2005 LC_{30} 12 10.9 121°.35 4°.0/ 9.8 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 39.11	+14 45.9	1.948	2.774	13.5	20.3
11 17	5 33.28	+13 44.6	1.880	2.781	10.3	20.1
11 27	5 25.36	+12 45.5	1.838	2.787	6.8	20.0
12 7	5 16.16	+11 52.0	1.822	2.794	4.2	19.8
12 17	5 6.69	+11 7.4	1.836	2.800	5.0	19.9
12 27	4 58.03	+10 34.6	1.879	2.806	8.2	20.1
1 6	4 51.05	+10 14.9	1.949	2.812	11.5	20.3
1 16	4 46.36	+10 8.3	2.041	2.818	14.4	20.5

259896 2004 DN_{58} 12 10.9 132°.08 6°.1/12.5 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 45.22	+40 25.1	2.052	2.841	14.3	20.7
11 17	5 38.34	+40 56.3	1.980	2.847	11.5	20.6
11 27	5 28.64	+41 12.7	1.932	2.853	8.7	20.4
12 7	5 17.14	+41 9.9	1.909	2.858	6.5	20.3
12 17	5 5.19	+40 46.0	1.915	2.864	6.4	20.3
12 27	4 54.29	+40 3.2	1.948	2.869	8.4	20.4
1 6	4 45.66	+39 7.3	2.008	2.874	11.1	20.6
1 16	4 40.01	+38 5.0	2.092	2.879	13.8	20.8

72868 2001 HE_{59} 12 10.9 244.°84 0.°3/11.0 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
11 7	5 37.72	+25 6.7	2.549	3.366	11.0	20.1
11 17	5 32.10	+24 50.1	2.455	3.355	8.2	19.9
11 27	5 24.64	+24 29.4	2.387	3.343	5.0	19.6
12 7	5 15.98	+24 4.3	2.349	3.331	1.5	19.4
12 17	5 6.93	+23 35.8	2.340	3.319	2.2	19.4
12 27	4 58.41	+23 5.5	2.363	3.306	5.7	19.6
1 6	4 51.23	+22 36.0	2.414	3.293	9.0	19.8
1 16	4 45.98	+22 9.5	2.490	3.280	11.8	20.0

270688 2002 QK_{49} 12 10.9 93.°42 3.°8/11.9 17

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 40.37	+35 20.0	2.357	3.159	12.3	20.9
11 17	5 34.26	+35 36.7	2.286	3.168	9.5	20.7
11 27	5 25.98	+35 43.3	2.239	3.176	6.6	20.6
12 7	5 16.36	+35 37.4	2.220	3.185	4.2	20.4
12 17	5 6.41	+35 18.3	2.229	3.193	4.2	20.4
12 27	4 57.26	+34 47.8	2.269	3.202	6.6	20.6
1 6	4 49.84	+34 9.5	2.336	3.210	9.4	20.8
1 16	4 44.76	+33 27.9	2.427	3.219	12.0	21.0

226275 2003 AG_{80} 12 10.9 263.°66 0.°8/10.9 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 46.48	+17 30.3	1.839	2.657	14.6	20.0
11 17	5 39.62	+18 23.7	1.735	2.634	11.1	19.7
11 27	5 29.76	+19 24.9	1.654	2.609	6.8	19.4
12 7	5 17.61	+20 31.5	1.602	2.585	2.1	19.0
12 17	5 4.28	+21 39.9	1.581	2.559	3.2	19.1
12 27	4 51.28	+22 47.0	1.591	2.533	8.1	19.3
1 6	4 40.05	+23 51.0	1.629	2.506	12.6	19.5
1 16	4 31.68	+24 52.0	1.691	2.479	16.5	19.7

226493 2003 SA_{284} 12 10.9 356.°07 6.°7/ 8.8 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 35.14	+ 7 51.7	1.920	2.743	13.8	19.7
11 17	5 30.43	+ 6 29.9	1.851	2.741	11.0	19.5
11 27	5 23.71	+ 5 15.3	1.806	2.739	8.3	19.3
12 7	5 15.72	+ 4 13.1	1.788	2.738	6.7	19.3
12 17	5 7.38	+ 3 27.8	1.797	2.737	7.5	19.3
12 27	4 59.74	+ 3 2.0	1.833	2.737	9.9	19.4
1 6	4 53.64	+ 2 55.7	1.894	2.737	12.8	19.6
1 16	4 49.71	+ 3 7.3	1.976	2.738	15.4	19.8

274260 2008 OH_{25} 12 10.9 10.°87 7.°2/ 9.7 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 34.87	+ 4 20.3	1.910	2.725	14.2	19.8
11 17	5 30.23	+ 3 32.7	1.846	2.727	11.5	19.6
11 27	5 23.59	+ 2 57.3	1.804	2.729	8.8	19.5
12 7	5 15.68	+ 2 37.9	1.788	2.732	7.3	19.4
12 17	5 7.43	+ 2 37.1	1.798	2.735	7.8	19.4
12 27	4 59.87	+ 2 55.6	1.835	2.739	9.9	19.6
1 6	4 53.84	+ 3 31.4	1.897	2.743	12.6	19.7
1 16	4 49.96	+ 4 21.5	1.980	2.747	15.2	19.9

86692 2000 FS_{47} 12 10.9 163.°55 0.°2/10.9 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 43.46	+21 27.8	1.796	2.622	14.5	20.0
11 17	5 36.94	+21 46.1	1.722	2.626	10.8	19.8
11 27	5 27.81	+22 4.5	1.673	2.630	6.5	19.5
12 7	5 16.94	+22 21.6	1.650	2.633	1.9	19.2
12 17	5 5.53	+22 36.3	1.657	2.636	2.9	19.3
12 27	4 54.96	+22 48.9	1.693	2.638	7.5	19.6
1 6	4 46.38	+23 0.6	1.757	2.639	11.5	19.8
1 16	4 40.55	+23 13.3	1.843	2.641	15.0	20.1

427633 2003 UM_{184} 12 10.9 52.°33 2.°8/10.4 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 42.27	+20 12.5	1.192	2.045	18.6	20.5
11 17	5 36.62	+19 15.7	1.141	2.058	13.9	20.2
11 27	5 27.73	+18 17.2	1.111	2.072	8.5	20.0
12 7	5 16.89	+17 20.3	1.105	2.086	3.5	19.7
12 17	5 5.76	+16 29.5	1.126	2.101	4.9	19.9
12 27	4 56.09	+15 49.6	1.171	2.116	10.0	20.2
1 6	4 49.18	+15 23.6	1.240	2.131	14.7	20.5
1 16	4 45.66	+15 12.0	1.329	2.146	18.7	20.8

80648 2000 AZ_{238} 12 10.9 21.°38 4.°4/10.8 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 39.90	+12 52.3	1.175	2.028	18.9	18.8
11 17	5 35.10	+12 54.0	1.118	2.032	14.4	18.6
11 27	5 27.01	+13 6.9	1.082	2.038	9.4	18.3
12 7	5 16.75	+13 32.1	1.068	2.045	5.0	18.1
12 17	5 5.89	+14 9.3	1.079	2.052	5.8	18.2
12 27	4 56.21	+14 56.8	1.116	2.060	10.4	18.5
1 6	4 49.14	+15 52.3	1.175	2.069	15.1	18.8
1 16	4 45.50	+16 53.1	1.255	2.079	19.2	19.1

202955 1999 RQ_{89} 12 10.9 62.°38 2.°4/11.3 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 45.61	+28 24.9	1.499	2.329	16.6	20.2
11 17	5 38.63	+28 44.8	1.456	2.359	12.4	20.0
11 27	5 28.73	+28 56.8	1.435	2.390	7.7	19.8
12 7	5 17.15	+28 58.2	1.441	2.420	3.3	19.6
12 17	5 5.42	+28 48.7	1.474	2.450	3.7	19.7
12 27	4 55.13	+28 30.7	1.535	2.480	8.0	20.1
1 6	4 47.42	+28 8.8	1.622	2.510	12.0	20.4
1 16	4 42.90	+27 47.2	1.731	2.540	15.4	20.7

436783 2012 PY_4 12 10.9 138.°25 1.°2/11.2 16

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
11 7	5 44.94	+27 12.4	1.827	2.648	14.5	22.3
11 17	5 37.91	+27 6.7	1.759	2.659	10.9	22.1
11 27	5 28.28	+26 54.3	1.716	2.670	6.7	21.9
12 7	5 17.05	+26 34.0	1.699	2.681	2.3	21.7
12 17	5 5.48	+26 6.4	1.713	2.690	3.0	21.7
12 27	4 54.95	+25 34.1	1.755	2.700	7.2	22.0
1 6	4 46.56	+25 1.0	1.825	2.708	11.2	22.3
1 16	4 40.97	+24 31.0	1.919	2.716	14.5	22.5

131640 2001 XK_{77} 12 10.9 351.°83 5.°2/10.1 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 36.32	+14 16.7	1.208	2.066	18.1	19.1
11 17	5 32.44	+13 27.5	1.143	2.060	13.8	18.9
11 27	5 25.43	+12 43.6	1.098	2.055	9.2	18.6
12 7	5 16.32	+12 9.5	1.076	2.051	5.5	18.4
12 17	5 6.55	+11 49.2	1.079	2.048	6.6	18.4
12 27	4 57.82	+11 45.4	1.106	2.046	11.0	18.7
1 6	4 51.51	+11 58.3	1.155	2.045	15.6	18.9
1 16	4 48.47	+12 26.1	1.224	2.046	19.7	19.2

186291 2002 BT_{28} 12 10.9 42.°80 2.°8/11.2 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 41.39	+28 7.8	1.773	2.600	14.6	19.9
11 17	5 35.56	+28 56.2	1.708	2.609	11.0	19.7
11 27	5 27.04	+29 39.8	1.666	2.619	7.0	19.5
12 7	5 16.74	+30 15.1	1.652	2.629	3.4	19.3
12 17	5 5.92	+30 39.3	1.665	2.639	3.9	19.4
12 27	4 55.99	+30 52.6	1.708	2.650	7.6	19.6
1 6	4 48.14	+30 57.4	1.776	2.661	11.3	19.9
1 16	4 43.14	+30 57.3	1.867	2.672	14.6	20.1

136772 1996 RK_{20} 12 10.9 3.°96 0.°6/10.9 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 38.69	+21 35.1	1.808	2.642	14.0	20.4
11 17	5 33.38	+21 31.8	1.734	2.642	10.5	20.2
11 27	5 25.65	+21 27.5	1.683	2.642	6.3	19.9
12 7	5 16.33	+21 22.1	1.660	2.642	1.9	19.6
12 17	5 6.55	+21 15.8	1.664	2.643	2.9	19.7
12 27	4 57.55	+21 10.2	1.698	2.643	7.3	20.0
1 6	4 50.40	+21 6.8	1.758	2.644	11.3	20.2
1 16	4 45.80	+21 7.5	1.840	2.645	14.7	20.5

160607 1999 TY_{27} 12 10.9 17.°57 2.°9/11.3 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 36.45	+27 45.7	0.976	1.847	20.3	18.0
11 17	5 33.13	+28 11.0	0.935	1.860	15.2	17.7
11 27	5 25.99	+28 27.8	0.913	1.875	9.5	17.5
12 7	5 16.47	+28 33.0	0.911	1.892	4.0	17.2
12 17	5 6.51	+28 25.6	0.933	1.912	4.6	17.4
12 27	4 58.20	+28 8.7	0.979	1.933	9.9	17.7
1 6	4 53.03	+27 47.8	1.046	1.956	14.9	18.1
1 16	4 51.67	+27 27.7	1.131	1.981	19.1	18.4

266737 2009 SQ_{21} 12 10.9 167.°22 2.°4/11.5 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 45.35	+29 55.3	1.701	2.522	15.4	21.1
11 17	5 38.56	+29 52.9	1.627	2.526	11.7	20.9
11 27	5 28.86	+29 41.1	1.576	2.528	7.4	20.6
12 7	5 17.28	+29 17.6	1.552	2.531	3.2	20.4
12 17	5 5.21	+28 42.6	1.557	2.533	3.6	20.4
12 27	4 54.23	+27 59.4	1.590	2.534	7.9	20.7
1 6	4 45.58	+27 13.2	1.650	2.535	12.0	20.9
1 16	4 40.02	+26 29.2	1.733	2.536	15.6	21.2

101262 1998 SU_{104} 12 10.9 104.°03 3.°7/11.3 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 46.16	+30 3.4	1.558	2.383	16.4	19.3
11 17	5 39.48	+30 52.5	1.494	2.393	12.5	19.1
11 27	5 29.57	+31 34.4	1.453	2.403	8.2	18.9
12 7	5 17.51	+32 3.9	1.438	2.413	4.3	18.7
12 17	5 4.84	+32 18.1	1.451	2.423	4.7	18.7
12 27	4 53.31	+32 17.6	1.491	2.432	8.6	19.0
1 6	4 44.34	+32 6.8	1.557	2.441	12.7	19.3
1 16	4 38.76	+31 51.0	1.645	2.450	16.2	19.5

257942 2000 XN_{15} 12 10.9 37.°20 0.°4/10.9 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 42.69	+23 2.3	1.220	2.071	18.4	20.7
11 17	5 37.31	+23 17.1	1.160	2.076	13.8	20.4
11 27	5 28.42	+23 30.2	1.120	2.082	8.4	20.1
12 7	5 17.20	+23 39.7	1.105	2.088	2.4	19.8
12 17	5 5.35	+23 44.7	1.115	2.095	3.6	19.9
12 27	4 54.79	+23 46.2	1.151	2.102	9.4	20.2
1 6	4 47.02	+23 47.2	1.211	2.109	14.4	20.5
1 16	4 42.91	+23 50.6	1.291	2.117	18.6	20.8

10850 Denso 12 10.9 34.°14 7.°8/11.8 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 45.46	+35 5.3	1.002	1.851	21.6	17.8
11 17	5 40.35	+36 26.8	0.959	1.865	17.0	17.6
11 27	5 30.64	+37 32.2	0.934	1.880	12.2	17.4
12 7	5 17.87	+38 11.7	0.931	1.897	8.4	17.2
12 17	5 4.42	+38 19.9	0.951	1.914	8.5	17.3
12 27	4 52.94	+37 59.7	0.993	1.932	12.1	17.5
1 6	4 45.31	+37 20.9	1.057	1.952	16.3	17.9
1 16	4 42.34	+36 33.8	1.139	1.971	20.2	18.2

241526 2009 XA_{15} 12 10.9 311.°86 0.°9/10.8 17

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
11 7	5 36.57	+19 52.4	2.144	2.973	12.3	20.8
11 17	5 31.59	+19 57.1	2.057	2.962	9.2	20.5
11 27	5 24.52	+20 2.8	1.994	2.951	5.6	20.3
12 7	5 16.04	+20 9.2	1.958	2.940	1.8	20.0
12 17	5 7.05	+20 16.4	1.952	2.930	2.7	20.1
12 27	4 58.60	+20 24.8	1.976	2.920	6.6	20.3
1 6	4 51.61	+20 35.3	2.026	2.910	10.2	20.5
1 16	4 46.79	+20 48.6	2.101	2.900	13.3	20.7

146008 2000 CY_{74} 12 10.9 1.°59 2.°3/11.3 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 38.15	+27 12.1	1.060	1.924	19.6	19.4
11 17	5 34.50	+27 27.4	0.999	1.921	14.8	19.1
11 27	5 26.99	+27 35.4	0.958	1.920	9.3	18.8
12 7	5 16.84	+27 33.2	0.938	1.920	3.6	18.5
12 17	5 5.90	+27 19.8	0.943	1.922	4.3	18.6
12 27	4 56.32	+26 58.0	0.971	1.924	10.1	18.9
1 6	4 49.80	+26 33.2	1.021	1.929	15.5	19.2
1 16	4 47.26	+26 10.7	1.089	1.934	20.0	19.5

120193 2004 DM_6 12 10.9 217.°91 2.°6/11.4 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 44.48	+29 14.5	1.696	2.520	15.3	20.2
11 17	5 38.11	+29 31.0	1.615	2.515	11.7	20.0
11 27	5 28.73	+29 40.1	1.557	2.509	7.5	19.7
12 7	5 17.30	+29 38.7	1.525	2.504	3.4	19.4
12 17	5 5.17	+29 25.5	1.522	2.498	3.8	19.5
12 27	4 53.95	+29 2.4	1.547	2.491	8.1	19.7
1 6	4 45.00	+28 33.5	1.599	2.484	12.3	19.9
1 16	4 39.17	+28 3.9	1.673	2.477	16.0	20.2

458617 2011 FD_{74} 12 10.9 250.°21 1.°2/11.2 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 37.88	+26 49.9	2.512	3.329	11.1	21.8
11 17	5 32.34	+26 56.3	2.421	3.319	8.4	21.6
11 27	5 24.88	+26 58.5	2.355	3.309	5.2	21.4
12 7	5 16.13	+26 55.6	2.318	3.299	1.9	21.1
12 17	5 6.95	+26 47.2	2.311	3.288	2.4	21.2
12 27	4 58.28	+26 34.3	2.334	3.278	5.8	21.4
1 6	4 50.98	+26 18.9	2.386	3.267	9.0	21.6
1 16	4 45.69	+26 3.5	2.463	3.256	11.8	21.7

145134 2005 GU_{160} 12 10.9 174.°94 4.°2/ 9.9 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 38.37	+10 27.1	2.476	3.285	11.5	21.2
11 17	5 32.43	+ 9 47.1	2.401	3.288	8.9	21.0
11 27	5 24.78	+ 9 12.4	2.351	3.290	6.2	20.8
12 7	5 16.08	+ 8 45.1	2.330	3.292	4.4	20.7
12 17	5 7.09	+ 8 27.4	2.338	3.293	4.9	20.8
12 27	4 58.67	+ 8 20.4	2.377	3.293	7.3	20.9
1 6	4 51.55	+ 8 24.3	2.444	3.293	10.0	21.1
1 16	4 46.26	+ 8 38.4	2.534	3.293	12.4	21.2

412899 2014 QW_{81} 12 10.9 58.°19 2.°6/10.4 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 37.70	+17 7.3	1.932	2.763	13.4	20.8
11 17	5 32.35	+16 38.3	1.866	2.771	10.0	20.6
11 27	5 24.89	+16 11.0	1.824	2.780	6.3	20.4
12 7	5 16.12	+15 47.1	1.810	2.788	3.0	20.2
12 17	5 7.06	+15 28.4	1.824	2.797	3.8	20.3
12 27	4 58.78	+15 16.6	1.868	2.806	7.4	20.5
1 6	4 52.18	+15 12.6	1.937	2.815	10.9	20.8
1 16	4 47.86	+15 16.8	2.030	2.824	13.9	21.0

83618 2001 SS_{289} 12 10.9 166.°84 0.°3/11.1 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 40.93	+26 0.1	2.368	3.183	11.8	20.3
11 17	5 34.47	+25 32.2	2.289	3.187	8.8	20.1
11 27	5 26.06	+24 58.6	2.236	3.191	5.3	19.9
12 7	5 16.45	+24 19.7	2.212	3.194	1.6	19.7
12 17	5 6.58	+23 36.8	2.218	3.197	2.3	19.7
12 27	4 57.44	+22 52.5	2.256	3.199	6.0	20.0
1 6	4 49.87	+22 10.1	2.323	3.201	9.3	20.2
1 16	4 44.43	+21 32.3	2.414	3.202	12.2	20.4

196995 2003 US_{87} 12 10.9 217.°57 3.°4/12.2 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 41.04	+35 34.3	2.444	3.243	12.0	19.8
11 17	5 34.73	+35 26.5	2.358	3.239	9.3	19.6
11 27	5 26.30	+35 7.4	2.297	3.235	6.4	19.4
12 7	5 16.54	+34 35.3	2.263	3.231	3.9	19.3
12 17	5 6.44	+33 50.4	2.260	3.227	3.8	19.3
12 27	4 57.11	+32 55.3	2.287	3.223	6.4	19.4
1 6	4 49.46	+31 54.2	2.342	3.218	9.3	19.6
1 16	4 44.10	+30 52.1	2.422	3.214	12.0	19.8

364435 2006 WK_{179} 12 10.9 357.°00 0.°3/11.0 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 39.20	+22 55.4	1.734	2.570	14.5	21.5
11 17	5 33.95	+23 12.0	1.660	2.568	10.8	21.2
11 27	5 26.11	+23 27.6	1.609	2.567	6.6	21.0
12 7	5 16.54	+23 40.7	1.584	2.567	1.9	20.7
12 17	5 6.40	+23 50.6	1.588	2.566	2.9	20.7
12 27	4 57.06	+23 57.7	1.619	2.566	7.5	21.0
1 6	4 49.66	+24 3.7	1.677	2.567	11.6	21.3
1 16	4 44.98	+24 10.5	1.758	2.567	15.1	21.5

437845 1999 RA_{24} 12 10.9 25.°41 25.°4/25.9 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
11 7	5 35.97	−32 15.7	1.199	1.872	28.1	18.7
11 17	5 31.90	−34 35.5	1.204	1.893	27.2	18.7
11 27	5 24.83	−35 58.5	1.218	1.916	26.4	18.7
12 7	5 16.09	−36 18.3	1.241	1.941	25.8	18.8
12 17	5 7.27	−35 34.1	1.274	1.967	25.5	18.9
12 27	4 59.93	−33 51.1	1.318	1.995	25.4	19.0
1 6	4 55.16	−31 20.2	1.372	2.024	25.5	19.1
1 16	4 53.49	−28 14.4	1.438	2.054	25.8	19.2

202787 Kestecher 12 10.9 78.°55 0.°4/11.0 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 45.21	+24 8.3	1.536	2.368	16.2	20.9
11 17	5 38.26	+24 11.2	1.488	2.394	12.0	20.7
11 27	5 28.52	+24 10.5	1.462	2.420	7.2	20.5
12 7	5 17.16	+24 4.8	1.463	2.445	2.1	20.2
12 17	5 5.61	+23 54.5	1.492	2.470	3.1	20.3
12 27	4 55.36	+23 41.6	1.549	2.495	7.8	20.7
1 6	4 47.54	+23 29.2	1.632	2.520	12.0	21.0
1 16	4 42.77	+23 20.0	1.738	2.544	15.4	21.3

491581 2012 RO_{38} 12 10.9 182.°80 2.°3/11.5 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 45.02	+29 43.0	1.866	2.682	14.4	21.9
11 17	5 38.18	+29 47.4	1.787	2.683	11.0	21.7
11 27	5 28.61	+29 43.4	1.733	2.684	7.0	21.5
12 7	5 17.25	+29 29.0	1.705	2.683	3.1	21.2
12 17	5 5.40	+29 3.6	1.707	2.682	3.5	21.2
12 27	4 54.47	+28 29.7	1.738	2.681	7.4	21.5
1 6	4 45.66	+27 51.7	1.797	2.679	11.4	21.7
1 16	4 39.73	+27 14.4	1.878	2.676	14.8	21.9

429536 2011 BS_{133} 12 10.9 143.°27 1.°3/10.8 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 43.84	+19 21.8	1.625	2.456	15.5	21.7
11 17	5 37.38	+19 25.4	1.557	2.463	11.6	21.4
11 27	5 28.16	+19 30.5	1.512	2.469	7.1	21.2
12 7	5 17.14	+19 36.6	1.493	2.475	2.4	20.9
12 17	5 5.62	+19 43.6	1.504	2.481	3.4	21.0
12 27	4 55.06	+19 52.1	1.542	2.486	8.1	21.3
1 6	4 46.67	+20 3.4	1.607	2.491	12.4	21.6
1 16	4 41.21	+20 18.5	1.695	2.495	16.0	21.8

59238 1999 CN_2 12 10.9 14.°92 1.°6/10.8 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 38.29	+20 4.1	1.134	1.996	18.7	18.2
11 17	5 34.10	+19 55.2	1.078	2.000	14.0	18.0
11 27	5 26.51	+19 47.2	1.042	2.005	8.5	17.7
12 7	5 16.70	+19 40.9	1.029	2.012	2.8	17.4
12 17	5 6.32	+19 36.9	1.041	2.019	4.1	17.5
12 27	4 57.22	+19 37.2	1.077	2.028	9.7	17.8
1 6	4 50.84	+19 43.3	1.136	2.037	14.8	18.1
1 16	4 47.97	+19 56.0	1.214	2.048	19.0	18.4

78066 2002 LM 12 10.9 123.°13 6.°2/ 8.6 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 41.90	+ 7 41.3	2.282	3.082	12.7	19.2
11 17	5 34.93	+ 6 2.4	2.225	3.101	10.0	19.0
11 27	5 26.21	+ 4 30.0	2.195	3.119	7.5	18.9
12 7	5 16.50	+ 3 9.3	2.194	3.137	6.2	18.9
12 17	5 6.67	+ 2 4.3	2.223	3.154	6.9	18.9
12 27	4 57.63	+ 1 17.9	2.283	3.171	9.0	19.1
1 6	4 50.11	+ 0 50.4	2.369	3.186	11.4	19.3
1 16	4 44.60	+ 0 40.3	2.477	3.202	13.6	19.5

212381 2006 HP_{59} 12 10.9 133.°98 1.°3/10.8 17

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 45.45	+20 17.2	1.573	2.404	16.0	21.2
11 17	5 38.55	+20 7.0	1.510	2.416	11.9	20.9
11 27	5 28.83	+19 56.5	1.470	2.427	7.2	20.7
12 7	5 17.33	+19 45.8	1.456	2.438	2.4	20.4
12 17	5 5.42	+19 35.6	1.471	2.448	3.5	20.5
12 27	4 54.63	+19 27.6	1.514	2.458	8.3	20.8
1 6	4 46.14	+19 23.9	1.584	2.467	12.6	21.1
1 16	4 40.67	+19 26.1	1.676	2.475	16.2	21.4

296254 2009 DP_{23} 12 10.9 23.°28 9.°7/10.1 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 36.79	+ 2 16.1	1.401	2.227	17.9	20.3
11 17	5 32.21	+ 1 17.0	1.349	2.234	14.6	20.1
11 27	5 25.03	+ 0 36.3	1.318	2.242	11.6	20.0
12 7	5 16.23	+ 0 19.8	1.310	2.250	9.8	19.9
12 17	5 7.06	+ 0 30.7	1.326	2.260	10.3	19.9
12 27	4 58.87	+ 1 8.5	1.366	2.270	12.6	20.1
1 6	4 52.76	+ 2 9.0	1.428	2.281	15.6	20.3
1 16	4 49.40	+ 3 26.4	1.510	2.293	18.4	20.5

357274 2002 RA_{221} 12 10.9 53.°29 1.°2/11.1 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 41.94	+25 16.3	1.551	2.388	15.9	20.7
11 17	5 36.01	+25 34.2	1.498	2.406	11.8	20.5
11 27	5 27.31	+25 48.0	1.467	2.425	7.2	20.3
12 7	5 16.88	+25 55.9	1.461	2.443	2.4	20.0
12 17	5 6.12	+25 57.1	1.484	2.462	3.2	20.1
12 27	4 56.51	+25 52.9	1.534	2.482	7.8	20.5
1 6	4 49.22	+25 46.4	1.610	2.501	11.9	20.7
1 16	4 44.90	+25 40.4	1.709	2.521	15.4	21.0

268774 2006 SS_{364} 12 10.9 43°.03 2°.2/11.3 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
11 7	5 43.20	+27 22.9	1.245	2.092	18.4	20.0
11 17	5 37.68	+27 40.6	1.188	2.101	13.8	19.8
11 27	5 28.64	+27 51.4	1.152	2.111	8.6	19.5
12 7	5 17.32	+27 52.2	1.140	2.121	3.4	19.2
12 17	5 5.46	+27 42.0	1.154	2.132	4.0	19.3
12 27	4 54.99	+27 23.3	1.193	2.143	9.2	19.7
1 6	4 47.40	+27 1.1	1.257	2.154	14.0	20.0
1 16	4 43.47	+26 40.2	1.340	2.166	18.1	20.3

179235 2001 UR_{63} 12 10.9 348°.37 1°.7/11.3 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 39.50	+27 21.5	1.762	2.594	14.5	20.3
11 17	5 34.22	+27 31.2	1.686	2.592	10.9	20.1
11 27	5 26.30	+27 35.2	1.633	2.589	6.8	19.8
12 7	5 16.64	+27 31.8	1.607	2.587	2.6	19.6
12 17	5 6.42	+27 20.5	1.608	2.586	3.2	19.6
12 27	4 57.05	+27 2.9	1.638	2.585	7.4	19.9
1 6	4 49.69	+26 42.3	1.694	2.584	11.5	20.1
1 16	4 45.09	+26 22.3	1.772	2.583	15.0	20.3

129051 Chrismay 12 10.9 100°.32 4°.6/12.1 17

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 41.81	+36 48.0	2.232	3.031	12.9	20.1
11 17	5 35.56	+37 13.5	2.160	3.037	10.2	19.9
11 27	5 26.94	+37 27.6	2.111	3.044	7.3	19.8
12 7	5 16.79	+37 27.4	2.090	3.050	5.0	19.6
12 17	5 6.24	+37 11.5	2.097	3.056	4.9	19.7
12 27	4 56.54	+36 41.6	2.133	3.062	7.2	19.8
1 6	4 48.72	+36 1.9	2.196	3.069	10.0	20.0
1 16	4 43.44	+35 17.3	2.284	3.075	12.7	20.2

452056 2014 OZ_{280} 12 10.9 308°.73 0°.7/10.9 17

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 39.29	+19 55.6	1.864	2.696	13.8	21.0
11 17	5 33.93	+20 16.5	1.782	2.688	10.3	20.8
11 27	5 26.12	+20 39.6	1.723	2.681	6.3	20.5
12 7	5 16.60	+21 3.7	1.691	2.674	1.9	20.2
12 17	5 6.47	+21 27.8	1.688	2.666	2.9	20.3
12 27	4 56.96	+21 51.6	1.714	2.659	7.3	20.5
1 6	4 49.21	+22 15.4	1.767	2.653	11.3	20.8
1 16	4 43.99	+22 40.3	1.842	2.646	14.8	21.0

323211 2003 SZ_{26} 12 10.9 120°.61 5°.5/ 9.6 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 36.35	+ 5 44.5	2.536	3.337	11.5	20.9
11 17	5 30.84	+ 4 55.6	2.475	3.350	9.2	20.8
11 27	5 23.81	+ 4 15.1	2.439	3.363	6.9	20.7
12 7	5 15.86	+ 3 45.9	2.431	3.376	5.6	20.6
12 17	5 7.72	+ 3 29.9	2.452	3.388	6.0	20.7
12 27	5 0.16	+ 3 28.0	2.502	3.400	7.9	20.8
1 6	4 53.84	+ 3 39.7	2.578	3.411	10.1	21.0
1 16	4 49.23	+ 4 3.2	2.678	3.422	12.2	21.1

292118 2006 RR_{63} 12 10.9 114°.30 8°.3/10.1 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 39.16	− 1 56.6	2.175	2.953	13.9	21.1
11 17	5 33.08	− 2 40.4	2.123	2.971	11.6	21.0
11 27	5 25.21	− 3 8.3	2.093	2.987	9.6	20.9
12 7	5 16.27	− 3 16.9	2.089	3.004	8.4	20.9
12 17	5 7.14	− 3 4.3	2.113	3.020	8.7	20.9
12 27	4 58.73	− 2 30.9	2.163	3.035	10.2	21.0
1 6	4 51.81	− 1 39.8	2.239	3.050	12.2	21.2
1 16	4 46.89	− 0 34.8	2.337	3.064	14.2	21.4

444507 2006 SY_{13} 12 10.9 37°.46 1°.8/10.7 17

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 38.87	+19 28.8	1.669	2.507	14.9	21.3
11 17	5 33.59	+19 10.0	1.603	2.513	11.1	21.1
11 27	5 25.83	+18 51.6	1.561	2.519	6.8	20.9
12 7	5 16.50	+18 34.4	1.545	2.526	2.5	20.6
12 17	5 6.78	+18 19.9	1.557	2.533	3.5	20.7
12 27	4 57.96	+18 9.9	1.597	2.541	7.8	21.0
1 6	4 51.12	+18 5.8	1.662	2.548	11.9	21.3
1 16	4 46.91	+18 8.6	1.750	2.556	15.3	21.5

266043 2006 HM_{129} 12 10.9 82°.76 1°.7/10.7 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 37.81	+17 42.6	2.201	3.026	12.2	20.9
11 17	5 32.25	+17 37.3	2.135	3.037	9.1	20.7
11 27	5 24.80	+17 33.8	2.093	3.049	5.6	20.5
12 7	5 16.17	+17 32.8	2.080	3.060	2.3	20.3
12 17	5 7.27	+17 34.5	2.097	3.072	3.0	20.4
12 27	4 59.05	+17 39.8	2.143	3.083	6.4	20.6
1 6	4 52.32	+17 49.1	2.217	3.095	9.7	20.8
1 16	4 47.66	+18 2.8	2.315	3.106	12.5	21.0

379114 2008 YG_{125} 12 10.9 42°.54 4°.2/12.6 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 40.13	+38 40.3	2.580	3.369	11.7	20.9
11 17	5 34.04	+38 39.8	2.499	3.369	9.3	20.7
11 27	5 25.89	+38 27.0	2.442	3.370	6.7	20.6
12 7	5 16.49	+38 0.0	2.413	3.371	4.6	20.5
12 17	5 6.81	+37 18.7	2.414	3.372	4.5	20.4
12 27	4 57.89	+36 25.3	2.444	3.373	6.4	20.6
1 6	4 50.63	+35 24.1	2.502	3.374	9.0	20.7
1 16	4 45.59	+34 19.9	2.586	3.375	11.4	20.9

515134 2011 GP_{12} 12 10.9 182°.34 0°.8/11.1 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
11 7	5 43.64	+25 28.5	1.965	2.785	13.7	22.8
11 17	5 36.98	+25 28.7	1.886	2.786	10.2	22.6
11 27	5 27.85	+25 24.3	1.831	2.787	6.3	22.3
12 7	5 17.10	+25 14.3	1.804	2.786	2.0	22.0
12 17	5 5.87	+24 58.6	1.807	2.786	2.7	22.1
12 27	4 55.45	+24 38.9	1.840	2.784	7.0	22.4
1 6	4 46.93	+24 18.4	1.900	2.782	10.9	22.6
1 16	4 41.02	+24 0.0	1.984	2.779	14.2	22.8

139384 2001 MQ_{27} 12 10.9 76°.68 2°.3/10.4 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 41.32	+19 30.7	1.836	2.665	14.1	19.9
11 17	5 34.93	+18 38.3	1.784	2.688	10.5	19.7
11 27	5 26.37	+17 45.2	1.755	2.712	6.4	19.5
12 7	5 16.60	+16 53.7	1.755	2.735	2.7	19.3
12 17	5 6.73	+16 6.9	1.784	2.757	3.7	19.4
12 27	4 57.88	+15 27.9	1.842	2.780	7.5	19.7
1 6	4 50.94	+14 58.7	1.927	2.803	11.1	20.0
1 16	4 46.44	+14 40.3	2.035	2.825	14.1	20.2

455436 2003 SC_{19} 12 10.9 78°.77 0°.1/10.9 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 38.44	+23 33.5	2.180	3.004	12.3	22.1
11 17	5 32.78	+23 26.7	2.113	3.016	9.1	21.9
11 27	5 25.14	+23 17.2	2.071	3.028	5.5	21.7
12 7	5 16.28	+23 4.9	2.057	3.040	1.6	21.5
12 17	5 7.15	+22 50.3	2.073	3.052	2.4	21.6
12 27	4 58.77	+22 35.0	2.119	3.064	6.2	21.8
1 6	4 51.99	+22 21.0	2.192	3.075	9.6	22.1
1 16	4 47.36	+22 10.0	2.290	3.087	12.4	22.3

504496 2008 JZ_{3} 12 10.9 199°.60 15°.5/ 5.7 17

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 42.85	− 3 13.7	1.239	2.047	20.8	21.5
11 17	5 37.10	− 6 8.7	1.188	2.046	18.2	21.4
11 27	5 28.20	− 8 43.0	1.158	2.045	16.2	21.2
12 7	5 17.25	−10 42.1	1.149	2.043	15.5	21.2
12 17	5 5.72	−11 55.5	1.163	2.041	16.5	21.3
12 27	4 55.30	−12 19.6	1.197	2.039	18.7	21.4
1 6	4 47.37	−11 58.6	1.249	2.037	21.3	21.6
1 16	4 42.72	−11 1.4	1.316	2.034	23.7	21.8

135885 2002 TX_{49} 12 10.9 74°.72 1°.3/10.8 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 40.09	+19 49.5	1.786	2.618	14.3	20.1
11 17	5 34.34	+19 41.7	1.722	2.629	10.6	19.9
11 27	5 26.22	+19 34.4	1.682	2.640	6.4	19.6
12 7	5 16.62	+19 27.7	1.669	2.651	2.2	19.4
12 17	5 6.67	+19 22.4	1.685	2.662	3.1	19.5
12 27	4 57.62	+19 19.6	1.730	2.673	7.4	19.8
1 6	4 50.47	+19 20.7	1.800	2.685	11.2	20.0
1 16	4 45.85	+19 26.7	1.894	2.696	14.5	20.3

485970 2012 HJ_{79} 12 10.9 156°.88 3°.1/11.4 17

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 41.15	+31 56.5	2.718	3.518	10.9	21.8
11 17	5 34.75	+32 42.6	2.639	3.523	8.3	21.6
11 27	5 26.37	+33 22.9	2.586	3.527	5.6	21.5
12 7	5 16.68	+33 54.5	2.562	3.531	3.4	21.3
12 17	5 6.53	+34 15.7	2.569	3.535	3.6	21.3
12 27	4 56.92	+34 26.2	2.607	3.539	6.0	21.5
1 6	4 48.71	+34 28.0	2.674	3.542	8.6	21.7
1 16	4 42.54	+34 23.9	2.765	3.545	11.0	21.8

326837 2003 UU_{75} 12 10.9 128°.83 0°.2/11.0 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 46.36	+24 40.5	1.666	2.491	15.5	21.5
11 17	5 39.10	+24 23.3	1.604	2.507	11.5	21.3
11 27	5 29.11	+24 0.9	1.565	2.521	7.0	21.1
12 7	5 17.45	+23 33.1	1.553	2.535	2.0	20.8
12 17	5 5.49	+23 1.1	1.570	2.548	3.0	20.9
12 27	4 54.70	+22 27.9	1.616	2.561	7.7	21.2
1 6	4 46.22	+21 57.5	1.689	2.573	11.9	21.5
1 16	4 40.71	+21 32.9	1.785	2.584	15.4	21.8

516739 2009 HR_{87} 12 10.9 149°.89 1°.3/10.8 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 39.98	+18 41.1	2.215	3.035	12.3	21.9
11 17	5 33.92	+18 41.5	2.141	3.042	9.2	21.7
11 27	5 25.85	+18 43.3	2.093	3.048	5.6	21.5
12 7	5 16.51	+18 46.4	2.073	3.054	2.0	21.2
12 17	5 6.82	+18 50.9	2.083	3.059	2.8	21.3
12 27	4 57.79	+18 57.5	2.123	3.064	6.4	21.6
1 6	4 50.29	+19 6.9	2.192	3.069	9.8	21.8
1 16	4 44.93	+19 19.8	2.284	3.073	12.7	22.0

289854 2005 MW_{6} 12 10.9 263°.28 3°.4/10.4 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 38.56	+15 3.7	1.867	2.696	13.9	20.6
11 17	5 33.20	+14 35.9	1.790	2.693	10.5	20.4
11 27	5 25.58	+14 11.7	1.737	2.690	6.8	20.2
12 7	5 16.46	+13 52.8	1.711	2.686	3.7	20.0
12 17	5 6.88	+13 41.1	1.713	2.683	4.5	20.0
12 27	4 58.01	+13 38.2	1.744	2.680	8.0	20.2
1 6	4 50.85	+13 44.5	1.801	2.676	11.7	20.4
1 16	4 46.08	+14 0.0	1.881	2.673	15.0	20.6

373648 2002 PK_{165} 12 10.9 49°.42 6°.4/12.6 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
11 7	5 46.41	+38 21.6	1.466	2.281	17.8	20.1
11 17	5 39.73	+38 52.0	1.422	2.306	14.0	20.0
11 27	5 29.66	+39 4.6	1.398	2.332	10.1	19.8
12 7	5 17.61	+38 54.5	1.399	2.358	7.0	19.7
12 17	5 5.36	+38 20.9	1.425	2.385	6.8	19.8
12 27	4 54.76	+37 28.5	1.479	2.412	9.4	20.0
1 6	4 47.12	+36 25.3	1.557	2.439	12.8	20.3
1 16	4 43.04	+35 19.4	1.657	2.466	15.9	20.5

155704 2000 QJ_{89} 12 10.9 103°.42 1°.8/10.6 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 42.09	+20 2.0	1.697	2.528	14.9	20.1
11 17	5 35.85	+19 31.7	1.635	2.541	11.1	19.9
11 27	5 27.13	+19 0.5	1.596	2.554	6.8	19.7
12 7	5 16.89	+18 29.8	1.585	2.566	2.5	19.4
12 17	5 6.34	+18 1.5	1.602	2.578	3.6	19.5
12 27	4 56.82	+17 38.2	1.648	2.589	7.8	19.8
1 6	4 49.34	+17 22.0	1.719	2.601	11.8	20.1
1 16	4 44.56	+17 14.1	1.814	2.612	15.2	20.3

29115 1981 EW_{38} 12 10.9 216°.81 0°.8/11.2 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 40.13	+26 6.8	2.079	2.902	12.9	19.3
11 17	5 34.30	+25 59.5	1.998	2.899	9.7	19.0
11 27	5 26.21	+25 47.2	1.940	2.896	5.9	18.8
12 7	5 16.64	+25 29.2	1.911	2.893	1.9	18.5
12 17	5 6.64	+25 5.8	1.911	2.889	2.6	18.6
12 27	4 57.36	+24 39.1	1.940	2.885	6.6	18.8
1 6	4 49.79	+24 12.0	1.997	2.881	10.3	19.1
1 16	4 44.60	+23 47.5	2.078	2.877	13.5	19.3

516740 2009 JW_{8} 12 11.0 190°.16 0°.8/10.9 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 39.96	+19 55.1	2.662	3.474	10.7	23.0
11 17	5 33.70	+20 1.8	2.576	3.473	8.0	22.8
11 27	5 25.66	+20 8.9	2.516	3.471	4.8	22.6
12 7	5 16.47	+20 16.0	2.486	3.468	1.6	22.4
12 17	5 6.90	+20 23.0	2.487	3.464	2.3	22.4
12 27	4 57.82	+20 30.3	2.520	3.460	5.6	22.7
1 6	4 50.02	+20 38.6	2.582	3.456	8.7	22.8
1 16	4 44.05	+20 49.0	2.670	3.450	11.3	23.0

53630 2000 CW_{116} 12 11.0 87°.73 0°.7/11.0 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 45.14	+22 53.2	1.505	2.339	16.4	18.7
11 17	5 38.57	+23 26.6	1.447	2.354	12.2	18.5
11 27	5 28.99	+23 59.2	1.411	2.369	7.4	18.3
12 7	5 17.48	+24 28.1	1.401	2.384	2.3	18.0
12 17	5 5.48	+24 51.3	1.420	2.398	3.2	18.1
12 27	4 54.63	+25 8.8	1.466	2.413	8.1	18.4
1 6	4 46.21	+25 22.5	1.539	2.427	12.5	18.7
1 16	4 40.98	+25 35.1	1.633	2.441	16.2	19.0

220047 2002 RB_{84} 12 11.0 43°.18 2°.2/11.3 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 43.41	+27 47.4	1.156	2.007	19.2	19.7
11 17	5 37.88	+27 54.8	1.109	2.023	14.4	19.5
11 27	5 28.74	+27 53.6	1.081	2.040	8.9	19.2
12 7	5 17.40	+27 41.5	1.077	2.058	3.4	19.0
12 17	5 5.69	+27 18.6	1.098	2.076	4.0	19.1
12 27	4 55.59	+26 48.7	1.144	2.095	9.3	19.4
1 6	4 48.53	+26 17.5	1.214	2.114	14.2	19.8
1 16	4 45.19	+25 49.9	1.304	2.134	18.2	20.1

198834 2005 EW_{326} 12 11.0 143°.68 2°.8/11.8 17

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 39.41	+32 36.2	2.463	3.270	11.6	20.6
11 17	5 33.52	+32 42.1	2.384	3.273	8.9	20.5
11 27	5 25.62	+32 39.7	2.331	3.275	5.9	20.3
12 7	5 16.47	+32 27.3	2.305	3.278	3.3	20.1
12 17	5 6.97	+32 4.8	2.310	3.281	3.4	20.1
12 27	4 58.17	+31 33.8	2.344	3.283	6.1	20.3
1 6	4 50.93	+30 57.6	2.407	3.285	9.0	20.5
1 16	4 45.85	+30 19.8	2.494	3.287	11.7	20.7

439474 2013 YO_{84} 12 11.0 211°.43 0°.6/11.1 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 43.09	+25 50.8	1.835	2.659	14.3	21.4
11 17	5 36.78	+25 37.0	1.752	2.655	10.7	21.1
11 27	5 27.83	+25 17.2	1.693	2.650	6.6	20.9
12 7	5 17.15	+24 50.9	1.662	2.644	2.1	20.6
12 17	5 5.93	+24 18.8	1.660	2.638	2.8	20.6
12 27	4 55.56	+23 43.5	1.687	2.632	7.4	20.9
1 6	4 47.18	+23 9.0	1.741	2.625	11.5	21.1
1 16	4 41.56	+22 38.8	1.818	2.618	15.1	21.3

333629 2008 EF_{168} 12 11.0 135°.32 1°.8/10.7 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 43.96	+18 34.3	1.861	2.684	14.2	22.1
11 17	5 37.07	+18 21.7	1.796	2.698	10.6	21.9
11 27	5 27.82	+18 10.1	1.756	2.711	6.5	21.7
12 7	5 17.10	+18 0.0	1.743	2.724	2.5	21.5
12 17	5 6.07	+17 52.2	1.760	2.736	3.4	21.5
12 27	4 55.96	+17 48.1	1.807	2.747	7.4	21.8
1 6	4 47.78	+17 48.9	1.881	2.758	11.2	22.1
1 16	4 42.17	+17 55.5	1.978	2.768	14.4	22.3

71006 1999 XQ_{42} 12 11.0 358°.78 1°.0/11.1 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
11 7	5 38.32	+25 13.3	1.331	2.183	17.1	19.2
11 17	5 34.00	+25 20.3	1.264	2.180	12.9	19.0
11 27	5 26.48	+25 22.9	1.217	2.178	7.9	18.7
12 7	5 16.81	+25 19.4	1.194	2.177	2.6	18.4
12 17	5 6.46	+25 9.8	1.198	2.177	3.5	18.4
12 27	4 57.18	+24 55.8	1.227	2.178	8.8	18.7
1 6	4 50.37	+24 41.1	1.280	2.180	13.6	19.0
1 16	4 46.90	+24 29.1	1.353	2.183	17.7	19.3

419516 2010 HN_{14} 12 11.0 20°.02 6°.1/12.9 16

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 41.94	+41 54.0	2.198	2.983	13.6	20.7
11 17	5 35.88	+42 16.5	2.124	2.985	11.1	20.5
11 27	5 27.23	+42 24.0	2.072	2.988	8.5	20.3
12 7	5 16.96	+42 12.6	2.047	2.991	6.5	20.2
12 17	5 6.27	+41 41.1	2.048	2.994	6.3	20.2
12 27	4 56.54	+40 51.7	2.078	2.997	8.1	20.3
1 6	4 48.87	+39 49.7	2.135	3.001	10.6	20.5
1 16	4 43.93	+38 41.4	2.215	3.004	13.1	20.7

396760 2003 UF_{330} 12 11.0 3°.50 5°.5/ 9.5 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 37.84	+14 28.3	1.457	2.301	16.3	20.4
11 17	5 33.07	+13 4.0	1.391	2.300	12.5	20.2
11 27	5 25.64	+11 41.9	1.348	2.300	8.4	19.9
12 7	5 16.51	+10 27.5	1.331	2.301	5.6	19.8
12 17	5 6.96	+ 9 26.8	1.340	2.302	6.7	19.9
12 27	4 58.39	+ 8 44.3	1.375	2.304	10.4	20.1
1 6	4 51.92	+ 8 21.6	1.434	2.307	14.3	20.3
1 16	4 48.26	+ 8 17.8	1.514	2.310	17.8	20.5

172260 2002 SN_{40} 12 11.0 31°.39 4°.3/11.5 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 42.35	+31 40.2	1.555	2.384	16.2	19.4
11 17	5 36.77	+32 28.0	1.491	2.391	12.5	19.2
11 27	5 28.06	+33 7.1	1.450	2.399	8.4	19.0
12 7	5 17.25	+33 32.8	1.434	2.407	4.9	18.8
12 17	5 5.84	+33 42.1	1.446	2.415	5.1	18.8
12 27	4 55.52	+33 36.2	1.484	2.424	8.7	19.1
1 6	4 47.66	+33 19.2	1.547	2.434	12.6	19.3
1 16	4 43.07	+32 56.9	1.632	2.444	16.0	19.6

264796 2002 NF_{59} 12 11.0 140°.43 4°.9/10.3 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 36.55	+ 5 6.6	2.789	3.582	10.8	21.0
11 17	5 30.94	+ 4 51.0	2.720	3.592	8.6	20.8
11 27	5 23.90	+ 4 44.3	2.677	3.601	6.4	20.7
12 7	5 15.96	+ 4 48.1	2.663	3.610	5.0	20.6
12 17	5 7.80	+ 5 3.2	2.678	3.619	5.3	20.7
12 27	5 0.14	+ 5 29.6	2.723	3.627	7.0	20.8
1 6	4 53.59	+ 6 5.9	2.795	3.635	9.2	20.9
1 16	4 48.62	+ 6 50.5	2.893	3.643	11.3	21.1

399653 2004 RR_{167} 12 11.0 38°.56 4°.6/10.7 17

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 38.35	+11 3.8	1.602	2.435	15.6	20.4
11 17	5 33.06	+10 53.5	1.555	2.457	11.9	20.2
11 27	5 25.44	+10 52.8	1.530	2.479	8.0	20.1
12 7	5 16.42	+11 3.0	1.530	2.501	4.9	19.9
12 17	5 7.18	+11 24.7	1.558	2.524	5.5	20.0
12 27	4 58.93	+11 57.1	1.614	2.548	8.7	20.3
1 6	4 52.62	+12 38.4	1.694	2.572	12.2	20.5
1 16	4 48.86	+13 26.5	1.797	2.596	15.3	20.8

258639 2002 ES_{34} 12 11.0 316°.71 0°.7/10.9 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 41.67	+21 12.8	1.240	2.091	18.1	20.3
11 17	5 36.79	+21 19.6	1.166	2.083	13.7	20.0
11 27	5 28.37	+21 27.1	1.114	2.075	8.4	19.7
12 7	5 17.44	+21 34.1	1.084	2.067	2.5	19.3
12 17	5 5.58	+21 39.9	1.081	2.060	3.8	19.4
12 27	4 54.74	+21 45.6	1.103	2.053	9.7	19.7
1 6	4 46.55	+21 53.3	1.149	2.047	15.0	20.0
1 16	4 42.03	+22 5.0	1.214	2.041	19.5	20.3

427288 2014 WE_{235} 12 11.0 242°.49 3°.5/12.1 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 40.00	+36 7.6	2.764	3.556	10.9	20.9
11 17	5 33.93	+36 12.8	2.669	3.545	8.6	20.8
11 27	5 25.90	+36 8.2	2.599	3.533	6.0	20.6
12 7	5 16.59	+35 51.8	2.557	3.521	3.9	20.4
12 17	5 6.89	+35 23.1	2.546	3.509	3.9	20.4
12 27	4 57.77	+34 43.6	2.565	3.497	6.0	20.5
1 6	4 50.09	+33 56.6	2.612	3.484	8.6	20.7
1 16	4 44.48	+33 6.3	2.685	3.471	11.1	20.8

74782 1999 RQ_{246} 12 11.0 211°.53 3°.8/11.5 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 47.10	+31 25.3	1.776	2.590	15.1	19.3
11 17	5 40.19	+32 2.7	1.692	2.584	11.7	19.0
11 27	5 30.16	+32 32.2	1.631	2.578	7.8	18.8
12 7	5 17.92	+32 49.4	1.597	2.570	4.3	18.6
12 17	5 4.87	+32 51.3	1.592	2.562	4.6	18.6
12 27	4 52.66	+32 38.6	1.616	2.554	8.3	18.8
1 6	4 42.74	+32 15.7	1.666	2.544	12.3	19.0
1 16	4 36.02	+31 48.0	1.738	2.534	15.8	19.2