2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
321518	2009 SE_{208}		1 9.9	168.°22	2.°2/ 9.2	18
	h m	° ′			°	m
12 3	7 52.25	+27 29.8	2.341	3.117	12.9	21.5
12 13	7 46.98	+27 56.5	2.254	3.121	10.1	21.3
12 23	7 39.37	+28 24.1	2.192	3.124	6.9	21.1
1 2	7 29.98	+28 48.6	2.156	3.127	3.5	20.9
1 12	7 19.74	+29 6.4	2.152	3.129	2.4	20.8
1 22	7 9.71	+29 15.3	2.177	3.131	5.3	21.0
2 1	7 0.92	+29 14.9	2.232	3.132	8.7	21.2
2 11	6 54.18	+29 6.3	2.312	3.133	11.7	21.4
343124	2009 EA_{17}		1 9.9	343.°36	1.°7/10.6	18
12 3	7 45.80	+16 24.7	2.240	3.015	13.4	21.0
12 13	7 41.96	+16 21.2	2.148	3.012	10.6	20.8
12 23	7 36.02	+16 25.1	2.080	3.009	7.4	20.6
1 2	7 28.47	+16 35.5	2.037	3.007	3.8	20.4
1 12	7 20.12	+16 50.8	2.024	3.005	1.8	20.2
1 22	7 11.91	+17 9.1	2.041	3.003	4.8	20.4
2 1	7 4.75	+17 28.6	2.085	3.001	8.4	20.7
2 11	6 59.41	+17 47.9	2.156	2.999	11.6	20.9
518879	2010 EG_{50}		1 9.9	263.°30	5.°2/ 8.4	16
12 3	7 56.92	+40 27.0	2.846	3.598	11.4	22.1
12 13	7 50.59	+40 48.5	2.736	3.576	9.4	21.9
12 23	7 41.79	+41 3.0	2.650	3.553	7.3	21.7
1 2	7 31.09	+41 5.3	2.592	3.530	5.6	21.6
1 12	7 19.46	+40 51.5	2.563	3.507	5.3	21.5
1 22	7 7.98	+40 20.2	2.565	3.483	6.8	21.6
2 1	6 57.76	+39 32.7	2.595	3.458	9.1	21.7
2 11	6 49.68	+38 32.6	2.652	3.433	11.5	21.8
293585	2007 JB_3		1 9.9	221.°25	3.°2/10.8	18
12 3	7 52.11	+13 59.3	1.716	2.491	17.0	21.7
12 13	7 47.59	+13 43.1	1.624	2.485	13.6	21.4
12 23	7 40.20	+13 37.6	1.552	2.478	9.7	21.2
1 2	7 30.50	+13 43.0	1.506	2.472	5.5	20.9
1 12	7 19.59	+13 57.9	1.487	2.464	3.3	20.7
1 22	7 8.78	+14 20.1	1.497	2.457	6.5	20.9
2 1	6 59.41	+14 46.8	1.534	2.449	10.8	21.2
2 11	6 52.55	+15 15.4	1.595	2.440	14.8	21.4
443869	2001 TO_{24}		1 9.9	109.°67	1.°3/ 9.7	15
12 3	7 57.51	+24 39.7	1.678	2.463	16.9	21.8
12 13	7 51.65	+24 50.9	1.610	2.482	13.1	21.6
12 23	7 42.71	+25 4.7	1.565	2.500	8.8	21.4
1 2	7 31.51	+25 17.0	1.545	2.518	4.1	21.1
1 12	7 19.38	+25 23.9	1.554	2.535	1.7	21.0
1 22	7 7.80	+25 23.2	1.592	2.552	6.1	21.3
2 1	6 58.12	+25 15.0	1.657	2.568	10.5	21.6
2 11	6 51.28	+25 1.2	1.747	2.583	14.2	21.9
374585	2006 DY_{27}		1 9.9	340.°52	9.°3/ 7.7	18
12 3	7 57.63	+45 18.3	1.834	2.606	16.1	20.6
12 13	7 52.71	+46 16.1	1.758	2.600	13.7	20.4
12 23	7 43.99	+47 2.5	1.703	2.595	11.3	20.2
1 2	7 32.28	+47 27.7	1.671	2.591	9.6	20.1
1 12	7 19.17	+47 24.5	1.665	2.587	9.5	20.1
1 22	7 6.58	+46 50.7	1.684	2.583	11.0	20.2
2 1	6 56.27	+45 49.5	1.728	2.580	13.5	20.3
2 11	6 49.44	+44 28.4	1.794	2.577	16.1	20.5
416005	2002 CJ_{14}		1 9.9	49.°46	14.°9/18.5	18
12 3	7 50.91	−12 41.9	1.089	1.803	28.1	20.5
12 13	7 47.90	−12 48.7	1.022	1.809	25.1	20.3
12 23	7 41.06	−12 6.9	0.966	1.814	21.7	20.1
1 2	7 31.09	−10 25.9	0.926	1.820	18.1	19.9
1 12	7 19.45	− 7 43.3	0.906	1.827	15.4	19.7
1 22	7 8.06	− 4 8.6	0.909	1.833	15.0	19.7
2 1	6 58.78	− 0 1.9	0.936	1.840	17.2	19.9
2 11	6 53.04	+ 4 12.2	0.987	1.847	20.6	20.1
120127	2003 FJ_{101}		1 9.9	296.°45	2.°5/11.0	18
12 3	7 47.73	+12 52.1	1.870	2.644	15.8	20.0
12 13	7 43.95	+13 11.2	1.779	2.640	12.6	19.8
12 23	7 37.63	+13 44.0	1.709	2.636	8.9	19.6
1 2	7 29.31	+14 29.4	1.665	2.632	4.9	19.3
1 12	7 19.92	+15 24.3	1.650	2.629	2.6	19.2
1 22	7 10.61	+16 24.5	1.663	2.625	5.7	19.4
2 1	7 2.53	+17 25.7	1.704	2.621	9.8	19.6
2 11	6 56.63	+18 24.0	1.770	2.618	13.5	19.8
381	Myrrha		1 9.9	202.°91	1.°3/10.7	18
12 3	7 45.86	+15 16.2	2.743	3.504	11.6	13.9
12 13	7 41.63	+15 37.8	2.646	3.502	9.2	13.7
12 23	7 35.62	+16 7.4	2.573	3.499	6.3	13.5
1 2	7 28.26	+16 43.7	2.528	3.497	3.2	13.3
1 12	7 20.21	+17 24.3	2.513	3.494	1.4	13.2
1 22	7 12.22	+18 6.8	2.529	3.490	4.1	13.3
2 1	7 5.05	+18 48.9	2.576	3.487	7.2	13.5
2 11	6 59.35	+19 28.6	2.649	3.483	9.9	13.7

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
159601	2001 YY_7		1 9.9	112.°48	2.°2/ 9.5	18
	h m	° ′			°	m
12 3	7 56.75	+26 39.0	1.644	2.434	17.0	19.9
12 13	7 51.27	+26 55.9	1.573	2.447	13.3	19.7
12 23	7 42.60	+27 14.2	1.523	2.459	9.0	19.5
1 2	7 31.53	+27 29.0	1.500	2.472	4.4	19.2
1 12	7 19.42	+27 35.7	1.504	2.484	2.5	19.1
1 22	7 7.81	+27 32.1	1.537	2.495	6.6	19.4
2 1	6 58.13	+27 18.7	1.597	2.506	10.9	19.7
2 11	6 51.37	+26 57.9	1.681	2.517	14.6	20.0
459705	2013 PE_{23}		1 9.9	187.°41	4.°4/11.9	17
12 3	7 47.84	+ 7 1.6	2.450	3.186	13.5	22.3
12 13	7 43.30	+ 6 50.4	2.356	3.186	11.1	22.2
12 23	7 36.80	+ 6 51.6	2.283	3.185	8.4	22.0
1 2	7 28.82	+ 7 5.8	2.237	3.184	5.7	21.8
1 12	7 20.09	+ 7 32.5	2.220	3.182	4.4	21.7
1 22	7 11.46	+ 8 9.8	2.233	3.180	5.8	21.8
2 1	7 3.75	+ 8 55.0	2.275	3.177	8.5	22.0
2 11	6 57.69	+ 9 44.7	2.343	3.174	11.2	22.2
458307	2010 VO_{44}		1 9.9	341.°06	2.°4/10.5	18
12 3	7 47.98	+17 30.7	1.498	2.299	17.8	21.0
12 13	7 44.78	+17 3.6	1.413	2.291	14.2	20.8
12 23	7 38.50	+16 44.4	1.347	2.283	9.9	20.5
1 2	7 29.79	+16 32.8	1.306	2.277	5.1	20.2
1 12	7 19.84	+16 27.9	1.291	2.271	2.6	20.0
1 22	7 10.08	+16 28.1	1.302	2.266	6.6	20.3
2 1	7 1.94	+16 31.9	1.339	2.261	11.4	20.5
2 11	6 56.53	+16 37.9	1.399	2.258	15.7	20.8
326439	2001 UO_{202}		1 9.9	20.°87	0.°3/10.1	18
12 3	7 49.59	+21 24.5	1.561	2.362	17.2	20.7
12 13	7 45.82	+21 18.9	1.486	2.366	13.5	20.5
12 23	7 39.03	+21 18.9	1.432	2.371	9.1	20.3
1 2	7 29.96	+21 21.9	1.403	2.377	4.2	20.0
1 12	7 19.83	+21 25.4	1.400	2.383	1.0	19.8
1 22	7 10.06	+21 27.1	1.425	2.390	6.1	20.1
2 1	7 2.01	+21 26.1	1.477	2.397	10.7	20.4
2 11	6 56.66	+21 22.3	1.551	2.405	14.7	20.7
258576	2002 CF_{143}		1 9.9	28.°68	4.°9/11.9	18
12 3	7 45.85	+ 8 17.5	1.358	2.147	19.9	19.6
12 13	7 43.01	+ 8 26.1	1.299	2.163	16.1	19.4
12 23	7 37.17	+ 8 56.1	1.258	2.181	11.8	19.2
1 2	7 29.11	+ 9 47.2	1.239	2.199	7.4	19.0
1 12	7 20.05	+10 55.8	1.246	2.219	4.9	18.9
1 22	7 11.42	+12 15.3	1.279	2.240	7.3	19.1
2 1	7 4.53	+13 38.7	1.338	2.261	11.3	19.4
2 11	7 0.32	+14 59.5	1.420	2.284	15.2	19.7
30094	Rolfebode		1 9.9	167.°62	3.°7/ 8.9	18
12 3	7 57.53	+30 1.9	1.865	2.647	15.5	18.9
12 13	7 51.83	+30 43.3	1.784	2.652	12.3	18.7
12 23	7 43.02	+31 24.7	1.726	2.656	8.5	18.5
1 2	7 31.78	+31 59.7	1.693	2.660	4.9	18.3
1 12	7 19.37	+32 22.7	1.690	2.662	4.0	18.2
1 22	7 7.26	+32 30.3	1.716	2.664	7.1	18.4
2 1	6 56.87	+32 22.8	1.770	2.666	10.8	18.6
2 11	6 49.27	+32 3.2	1.847	2.666	14.3	18.9
7216	Ishkov		1 10.0	164.°75	0.°2/10.1	18
12 3	7 56.50	+20 35.3	1.739	2.518	16.6	18.5
12 13	7 50.95	+20 42.5	1.656	2.524	13.1	18.3
12 23	7 42.38	+20 56.1	1.595	2.529	8.8	18.0
1 2	7 31.48	+21 13.1	1.560	2.533	4.1	17.8
1 12	7 19.46	+21 29.9	1.554	2.537	1.0	17.5
1 22	7 7.72	+21 43.8	1.578	2.540	5.9	17.9
2 1	6 57.65	+21 53.3	1.629	2.542	10.5	18.2
2 11	6 50.27	+21 58.6	1.705	2.543	14.4	18.4
439914	2001 OF_{30}		1 10.0	88.°59	2.°3/ 9.4	18
12 3	8 0.06	+25 54.5	1.588	2.373	17.6	21.9
12 13	7 53.67	+26 27.2	1.534	2.405	13.7	21.7
12 23	7 44.04	+27 2.0	1.502	2.437	9.2	21.5
1 2	7 32.11	+27 33.2	1.495	2.467	4.4	21.3
1 12	7 19.35	+27 55.4	1.518	2.497	2.6	21.3
1 22	7 7.33	+28 5.8	1.569	2.526	6.6	21.6
2 1	6 57.45	+28 4.8	1.648	2.555	10.8	21.9
2 11	6 50.62	+27 54.9	1.751	2.582	14.4	22.2
486027	2012 TF_{25}		1 10.0	143.°82	1.°0/ 9.8	18
12 3	7 56.44	+23 26.5	1.545	2.337	17.8	22.1
12 13	7 51.29	+23 41.5	1.469	2.344	14.0	21.9
12 23	7 42.80	+24 1.4	1.414	2.351	9.4	21.6
1 2	7 31.72	+24 21.9	1.383	2.357	4.3	21.4
1 12	7 19.40	+24 38.3	1.381	2.363	1.6	21.2
1 22	7 7.48	+24 47.5	1.407	2.368	6.6	21.5
2 1	6 57.48	+24 48.6	1.460	2.373	11.4	21.8
2 11	6 50.51	+24 43.0	1.536	2.378	15.5	22.1

8045 Kamiyama 1 10.0 297.°62 0.°9/ 9.9 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 53.48	+25 53.5	1.727	2.520	16.2	16.5
12 13	7 48.89	+25 34.6	1.629	2.505	12.8	16.2
12 23	7 41.18	+25 14.9	1.553	2.490	8.7	15.9
1 2	7 31.02	+24 51.7	1.502	2.476	4.1	15.6
1 12	7 19.57	+24 22.7	1.479	2.461	1.4	15.4
1 22	7 8.30	+23 47.2	1.485	2.447	6.2	15.7
2 1	6 58.65	+23 6.6	1.518	2.433	10.9	15.9
2 11	6 51.73	+22 23.5	1.575	2.419	15.0	16.1

163267 2002 GQ_{77} 1 10.0 260.°65 2.°9/10.9 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 49.58	+13 21.9	1.676	2.456	17.1	20.4
12 13	7 45.74	+13 25.4	1.585	2.449	13.7	20.1
12 23	7 39.03	+13 42.4	1.515	2.443	9.7	19.9
1 2	7 30.04	+14 12.3	1.470	2.437	5.4	19.6
1 12	7 19.82	+14 52.7	1.452	2.430	3.0	19.4
1 22	7 9.66	+15 39.7	1.462	2.424	6.3	19.6
2 1	7 0.92	+16 29.1	1.499	2.417	10.8	19.9
2 11	6 54.66	+17 17.5	1.560	2.411	14.8	20.1

337878 2001 WY_{60} 1 10.0 112.°56 4.°6/ 7.9 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 51.24	+35 18.3	2.622	3.395	11.8	20.8
12 13	7 46.16	+36 16.4	2.549	3.406	9.4	20.6
12 23	7 38.81	+37 11.2	2.499	3.417	6.9	20.5
1 2	7 29.77	+37 57.6	2.478	3.428	5.0	20.4
1 12	7 19.91	+38 31.1	2.486	3.439	4.8	20.4
1 22	7 10.27	+38 49.5	2.523	3.449	6.5	20.5
2 1	7 1.82	+38 52.5	2.589	3.459	8.8	20.7
2 11	6 55.37	+38 42.4	2.680	3.470	11.1	20.8

220624 2004 PY_{96} 1 10.0 102.°56 3.°3/ 9.1 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 54.46	+31 7.9	2.140	2.919	13.9	20.3
12 13	7 48.84	+31 32.0	2.069	2.934	10.9	20.1
12 23	7 40.65	+31 53.8	2.020	2.950	7.6	19.9
1 2	7 30.59	+32 8.6	1.999	2.965	4.4	19.8
1 12	7 19.74	+32 12.6	2.007	2.979	3.5	19.7
1 22	7 9.32	+32 4.4	2.045	2.994	6.1	19.9
2 1	7 0.42	+31 44.7	2.112	3.008	9.3	20.1
2 11	6 53.89	+31 16.3	2.203	3.021	12.3	20.4

458190 2010 OY_{92} 1 10.0 80.°75 2.°1/10.7 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 51.70	+15 44.1	1.803	2.579	16.2	21.6
12 13	7 46.80	+15 42.3	1.737	2.600	12.8	21.4
12 23	7 39.33	+15 50.1	1.692	2.622	8.8	21.2
1 2	7 30.00	+16 6.2	1.674	2.643	4.5	21.0
1 12	7 19.89	+16 28.0	1.683	2.663	2.2	20.9
1 22	7 10.20	+16 52.9	1.722	2.684	5.5	21.2
2 1	7 2.03	+17 18.4	1.789	2.704	9.5	21.5
2 11	6 56.20	+17 42.8	1.881	2.725	13.0	21.7

85708 1998 SL_{35} 1 10.0 41.°42 3.°8/11.1 17

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 49.88	+12 59.1	1.162	1.969	21.6	18.4
12 13	7 46.68	+12 52.8	1.104	1.983	17.2	18.2
12 23	7 39.91	+13 4.3	1.064	1.999	12.1	18.0
1 2	7 30.44	+13 33.0	1.046	2.015	6.8	17.7
1 12	7 19.78	+14 15.3	1.053	2.031	3.9	17.6
1 22	7 9.67	+15 5.8	1.084	2.048	7.6	17.9
2 1	7 1.71	+15 58.7	1.140	2.066	12.6	18.2
2 11	6 57.00	+16 49.4	1.217	2.085	17.0	18.5

132867 2002 RB_{94} 1 10.0 143.°68 0.°6/ 9.8 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 48.94	+22 47.7	2.630	3.401	11.8	20.5
12 13	7 44.08	+23 6.9	2.545	3.409	9.2	20.3
12 23	7 37.28	+23 29.3	2.484	3.417	6.1	20.1
1 2	7 29.04	+23 52.4	2.451	3.424	2.8	19.9
1 12	7 20.13	+24 13.7	2.449	3.431	1.0	19.8
1 22	7 11.40	+24 31.1	2.478	3.438	4.3	20.0
2 1	7 3.68	+24 43.6	2.536	3.444	7.4	20.2
2 11	6 57.64	+24 51.1	2.622	3.450	10.2	20.4

341301 2007 RJ_{320} 1 10.0 71.°45 1.°3/ 9.6 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 50.32	+25 17.8	2.200	2.982	13.5	21.2
12 13	7 45.44	+25 29.6	2.129	2.999	10.5	21.0
12 23	7 38.30	+25 43.0	2.080	3.016	7.0	20.8
1 2	7 29.51	+25 54.9	2.059	3.032	3.3	20.6
1 12	7 20.04	+26 2.6	2.068	3.049	1.6	20.5
1 22	7 10.92	+26 4.3	2.106	3.066	5.0	20.8
2 1	7 3.11	+25 59.9	2.174	3.082	8.4	21.0
2 11	6 57.36	+25 50.1	2.266	3.099	11.5	21.2

258107 2001 QM_{200} 1 10.0 144.°12 1.°5/10.4 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 52.68	+17 46.5	2.451	3.209	12.9	21.5
12 13	7 46.95	+17 32.0	2.367	3.222	10.2	21.4
12 23	7 39.16	+17 22.6	2.307	3.234	6.9	21.2
1 2	7 29.88	+17 17.1	2.276	3.245	3.5	21.0
1 12	7 19.95	+17 14.6	2.275	3.256	1.6	20.9
1 22	7 10.28	+17 13.8	2.306	3.265	4.5	21.1
2 1	7 1.75	+17 14.0	2.366	3.275	7.9	21.3
2 11	6 55.05	+17 14.7	2.454	3.283	10.8	21.5

133301 2003 SX_{43} 1 10.0 52.°92 4.°4/11.1 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 50.25	+12 13.1	1.495	2.279	18.6	19.5
12 13	7 46.29	+11 43.2	1.423	2.288	15.0	19.3
12 23	7 39.34	+11 26.6	1.372	2.297	10.8	19.1
1 2	7 30.13	+11 24.2	1.343	2.306	6.6	18.9
1 12	7 19.88	+11 35.4	1.342	2.316	4.5	18.8
1 22	7 9.99	+11 57.6	1.367	2.325	7.2	18.9
2 1	7 1.79	+12 27.5	1.418	2.335	11.3	19.2
2 11	6 56.27	+13 1.4	1.492	2.346	15.2	19.5

105709 2000 SH_{71} 1 10.0 19.°65 4.°1/ 9.0 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 51.61	+28 33.1	1.297	2.114	19.2	19.3
12 13	7 48.32	+29 16.0	1.230	2.118	15.1	19.0
12 23	7 41.24	+30 1.1	1.182	2.122	10.4	18.8
1 2	7 31.15	+30 40.8	1.157	2.128	5.7	18.5
1 12	7 19.62	+31 7.8	1.158	2.134	4.4	18.5
1 22	7 8.56	+31 17.6	1.184	2.140	8.4	18.7
2 1	6 59.74	+31 10.3	1.235	2.148	13.1	19.0
2 11	6 54.39	+30 49.5	1.306	2.155	17.2	19.3

54424 2000 LP_{24} 1 10.0 103.°99 6.°2/12.8 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 48.25	+ 2 54.2	1.988	2.721	16.3	19.4
12 13	7 43.99	+ 2 45.3	1.909	2.732	13.6	19.3
12 23	7 37.45	+ 2 54.7	1.850	2.742	10.6	19.1
1 2	7 29.19	+ 3 24.0	1.816	2.752	7.7	18.9
1 12	7 20.12	+ 4 12.3	1.809	2.761	6.2	18.9
1 22	7 11.25	+ 5 16.4	1.830	2.771	7.3	19.0
2 1	7 3.58	+ 6 31.3	1.879	2.780	10.0	19.1
2 11	6 57.89	+ 7 51.5	1.953	2.790	12.9	19.3

402447 2006 BK_{55} 1 10.0 6.°39 33.°3/11.0 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 56.87	−55 34.0	0.997	1.419	44.0	20.3
12 13	7 54.28	−55 53.8	0.946	1.416	43.9	20.2
12 23	7 46.12	−55 11.7	0.886	1.416	43.4	20.1
1 2	7 33.54	−53 2.7	0.822	1.419	42.4	19.9
1 12	7 19.04	−48 56.8	0.757	1.425	40.7	19.7
1 22	7 5.58	−42 26.0	0.700	1.434	38.2	19.4
2 1	6 55.76	−33 17.3	0.658	1.445	35.4	19.2
2 11	6 51.08	−21 58.7	0.643	1.459	33.3	19.2

9287 Klima 1 10.0 76.°02 0.°1/10.0 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 49.41	+21 0.4	2.066	2.848	14.2	18.9
12 13	7 44.92	+21 8.8	1.987	2.857	11.1	18.7
12 23	7 38.07	+21 22.3	1.932	2.867	7.4	18.5
1 2	7 29.47	+21 38.3	1.903	2.877	3.4	18.2
1 12	7 20.07	+21 54.4	1.903	2.886	0.8	18.0
1 22	7 10.94	+22 8.1	1.933	2.896	5.0	18.4
2 1	7 3.11	+22 18.4	1.992	2.905	8.8	18.6
2 11	6 57.37	+22 24.8	2.075	2.915	12.1	18.8

97879 2000 QW_{43} 1 10.0 88.°67 1.°9/10.6 17

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 53.42	+15 57.3	1.596	2.378	17.7	20.4
12 13	7 48.51	+16 3.6	1.531	2.398	14.0	20.2
12 23	7 40.68	+16 21.2	1.486	2.417	9.6	20.0
1 2	7 30.69	+16 47.9	1.466	2.437	4.8	19.8
1 12	7 19.78	+17 20.3	1.475	2.456	2.1	19.6
1 22	7 9.31	+17 54.7	1.511	2.474	6.0	19.9
2 1	7 0.59	+18 28.0	1.575	2.492	10.4	20.2
2 11	6 54.52	+18 58.4	1.663	2.510	14.2	20.5

8637 1986 CS_1 1 10.0 8.°89 2.°4/10.6 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 47.26	+16 13.8	1.272	2.084	19.8	17.8
12 13	7 44.64	+16 9.1	1.201	2.084	15.8	17.6
12 23	7 38.62	+16 17.3	1.148	2.086	10.9	17.3
1 2	7 29.94	+16 37.5	1.117	2.089	5.6	17.0
1 12	7 19.95	+17 6.5	1.112	2.093	2.5	16.8
1 22	7 10.27	+17 40.2	1.132	2.098	7.0	17.1
2 1	7 2.48	+18 14.6	1.177	2.103	12.2	17.4
2 11	6 57.76	+18 46.8	1.243	2.110	16.7	17.7

499628 2010 UQ_{85} 1 10.0 231.°62 0.°0/ 9.9 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 50.76	+20 22.1	1.986	2.767	14.7	21.8
12 13	7 46.31	+20 42.4	1.890	2.760	11.6	21.6
12 23	7 39.25	+21 9.8	1.817	2.752	7.9	21.4
1 2	7 30.13	+21 41.4	1.771	2.744	3.6	21.1
1 12	7 19.90	+22 13.7	1.753	2.736	0.9	20.8
1 22	7 9.74	+22 43.3	1.766	2.728	5.4	21.2
2 1	7 0.84	+23 8.0	1.806	2.719	9.6	21.4
2 11	6 54.17	+23 26.9	1.871	2.710	13.3	21.6

243141 2007 TG_6 1 10.0 62.°53 3.°5/ 9.1 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 52.20	+32 19.4	2.193	2.975	13.5	20.2
12 13	7 47.12	+32 38.5	2.118	2.984	10.7	20.0
12 23	7 39.53	+32 54.4	2.065	2.994	7.5	19.8
1 2	7 30.12	+33 2.7	2.040	3.004	4.5	19.6
1 12	7 19.94	+32 59.9	2.044	3.014	3.7	19.6
1 22	7 10.13	+32 44.9	2.077	3.024	6.1	19.8
2 1	7 1.77	+32 18.4	2.138	3.035	9.2	20.0
2 11	6 55.69	+31 43.3	2.225	3.045	12.1	20.2

343512 2010 EC_{113} 1 10.0 126.°97 2.°9/ 8.8 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 50.11	+30 40.9	2.648	3.423	11.6	21.4
12 13	7 45.12	+31 15.7	2.568	3.432	9.1	21.2
12 23	7 38.05	+31 49.4	2.512	3.441	6.3	21.1
1 2	7 29.43	+32 18.0	2.485	3.449	3.7	20.9
1 12	7 20.11	+32 38.3	2.487	3.457	3.1	20.9
1 22	7 11.00	+32 48.1	2.520	3.465	5.3	21.0
2 1	7 2.99	+32 47.3	2.582	3.473	8.0	21.2
2 11	6 56.82	+32 37.2	2.669	3.481	10.6	21.4

330428 2007 CM_{61} 1 10.0 329.°59 2.°0/10.9 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 46.31	+13 22.6	1.636	2.424	17.1	20.5
12 13	7 43.36	+13 58.5	1.543	2.413	13.7	20.2
12 23	7 37.57	+14 51.5	1.471	2.404	9.6	20.0
1 2	7 29.47	+15 59.6	1.424	2.394	5.0	19.7
1 12	7 20.06	+17 18.5	1.405	2.386	2.1	19.5
1 22	7 10.64	+18 41.7	1.413	2.377	6.1	19.7
2 1	7 2.55	+20 3.1	1.448	2.370	10.8	20.0
2 11	6 56.94	+21 17.9	1.507	2.363	15.0	20.2

455594 2004 SV_{55} 1 10.0 216.°16 16.°4/ 1.8 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	9 29.58	+70 32.3	2.309	2.882	17.9	22.9
12 13	9 16.61	+72 53.8	2.237	2.868	17.2	22.8
12 23	8 49.48	+75 0.7	2.181	2.852	16.6	22.8
1 2	8 5.64	+76 25.6	2.145	2.833	16.4	22.7
1 12	7 10.95	+76 38.9	2.129	2.812	16.6	22.7
1 22	6 20.39	+75 31.5	2.134	2.788	17.3	22.7
2 1	5 45.15	+73 22.0	2.158	2.762	18.3	22.7
2 11	5 25.88	+70 39.0	2.200	2.734	19.5	22.8

282826 2006 SL_{306} 1 10.0 118.°83 4.°3/11.6 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 50.60	+ 9 8.0	2.043	2.794	15.4	21.4
12 13	7 45.71	+ 8 51.9	1.967	2.808	12.5	21.3
12 23	7 38.54	+ 8 48.7	1.912	2.822	9.2	21.1
1 2	7 29.69	+ 8 58.7	1.883	2.836	5.9	20.9
1 12	7 20.08	+ 9 21.2	1.882	2.849	4.4	20.8
1 22	7 10.74	+ 9 53.6	1.911	2.862	6.1	21.0
2 1	7 2.64	+10 33.1	1.968	2.875	9.3	21.2
2 11	6 56.57	+11 16.1	2.050	2.887	12.4	21.4

275110 2009 VE_{45} 1 10.0 177.°55 4.°6/ 8.8 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 56.82	+30 7.2	1.478	2.278	18.1	20.3
12 13	7 52.17	+30 55.7	1.401	2.279	14.4	20.0
12 23	7 43.77	+31 45.4	1.345	2.279	10.1	19.8
1 2	7 32.35	+32 28.1	1.313	2.280	5.9	19.5
1 12	7 19.40	+32 56.2	1.307	2.280	4.9	19.5
1 22	7 6.78	+33 5.1	1.329	2.280	8.4	19.7
2 1	6 56.29	+32 55.1	1.377	2.279	12.8	19.9
2 11	6 49.21	+32 30.5	1.446	2.278	16.8	20.2

301577 2009 KT_{17} 1 10.0 157.°00 1.°0/10.6 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 45.04	+16 24.5	2.935	3.697	10.9	21.2
12 13	7 40.89	+16 44.6	2.842	3.699	8.6	21.0
12 23	7 35.10	+17 11.3	2.774	3.702	5.9	20.8
1 2	7 28.09	+17 43.2	2.734	3.704	2.9	20.6
1 12	7 20.48	+18 18.3	2.724	3.706	1.1	20.5
1 22	7 12.96	+18 54.4	2.746	3.708	3.8	20.7
2 1	7 6.21	+19 29.6	2.798	3.710	6.7	20.9
2 11	7 0.84	+20 2.3	2.877	3.711	9.3	21.1

496647 2016 AC_{105} 1 10.0 186.°92 0.°2/ 9.9 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 49.91	+19 22.5	1.905	2.689	15.2	21.2
12 13	7 45.73	+20 6.1	1.818	2.689	11.9	21.0
12 23	7 38.91	+20 59.3	1.753	2.689	8.0	20.7
1 2	7 30.00	+21 58.5	1.715	2.688	3.7	20.5
1 12	7 20.00	+22 58.7	1.705	2.688	1.0	20.3
1 22	7 10.09	+23 55.0	1.726	2.688	5.5	20.6
2 1	7 1.49	+24 44.0	1.774	2.687	9.7	20.8
2 11	6 55.17	+25 24.1	1.847	2.686	13.4	21.1

135236 2001 RM_{151} 1 10.0 176.°23 1.°1/10.6 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 46.76	+16 17.1	2.596	3.360	12.1	20.1
12 13	7 42.46	+16 39.1	2.503	3.361	9.5	20.0
12 23	7 36.28	+17 8.8	2.434	3.362	6.5	19.8
1 2	7 28.67	+17 44.7	2.392	3.362	3.2	19.5
1 12	7 20.35	+18 24.2	2.381	3.363	1.2	19.4
1 22	7 12.10	+19 4.8	2.401	3.363	4.2	19.6
2 1	7 4.76	+19 44.1	2.451	3.363	7.4	19.8
2 11	6 59.01	+20 20.4	2.527	3.363	10.3	20.0

63424 2001 KW_{73} 1 10.0 189.°90 0.°4/10.2 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 50.94	+19 17.2	1.900	2.682	15.3	20.5
12 13	7 46.48	+19 35.1	1.812	2.681	12.0	20.3
12 23	7 39.37	+20 0.8	1.746	2.681	8.2	20.0
1 2	7 30.20	+20 31.7	1.707	2.680	3.8	19.8
1 12	7 19.97	+21 4.4	1.696	2.679	0.9	19.5
1 22	7 9.88	+21 35.5	1.714	2.677	5.4	19.9
2 1	7 1.15	+22 2.5	1.761	2.676	9.7	20.1
2 11	6 54.72	+22 24.5	1.832	2.674	13.4	20.3

235091 2003 HC_{46} 1 10.0 205.°51 0.°8/ 9.7 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 54.14	+22 30.5	2.023	2.799	14.7	21.7
12 13	7 48.95	+22 56.9	1.927	2.794	11.5	21.5
12 23	7 41.04	+23 28.8	1.854	2.788	7.8	21.2
1 2	7 30.98	+24 2.6	1.808	2.781	3.6	20.9
1 12	7 19.77	+24 34.2	1.792	2.774	1.3	20.8
1 22	7 8.63	+25 0.1	1.806	2.766	5.6	21.0
2 1	6 58.81	+25 18.5	1.849	2.757	9.7	21.3
2 11	6 51.31	+25 29.5	1.916	2.747	13.3	21.5

120911 1998 SP_{65} 1 10.0 125.°20 0.°9/ 9.7 17

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 56.23	+22 6.9	1.755	2.536	16.4	20.4
12 13	7 50.68	+22 41.7	1.683	2.553	12.8	20.2
12 23	7 42.17	+23 22.9	1.634	2.569	8.6	20.0
1 2	7 31.44	+24 5.9	1.611	2.584	3.9	19.8
1 12	7 19.68	+24 45.4	1.617	2.599	1.5	19.6
1 22	7 8.30	+25 17.6	1.652	2.613	5.9	19.9
2 1	6 58.62	+25 40.7	1.716	2.626	10.2	20.2
2 11	6 51.61	+25 55.1	1.804	2.638	13.9	20.5

410048 2007 AD_{11} 1 10.0 19.°78 4.°4/ 9.4 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 54.58	+32 55.8	1.507	2.310	17.7	19.8
12 13	7 50.11	+33 3.6	1.436	2.314	14.0	19.6
12 23	7 42.11	+33 6.1	1.386	2.320	9.9	19.4
1 2	7 31.46	+32 57.5	1.360	2.326	5.9	19.2
1 12	7 19.69	+32 33.2	1.360	2.333	4.6	19.1
1 22	7 8.52	+31 52.5	1.387	2.341	7.8	19.3
2 1	6 59.53	+30 58.6	1.441	2.349	11.9	19.6
2 11	6 53.74	+29 56.6	1.517	2.358	15.7	19.8

246614 2008 VK_{72} 1 10.0 153.°88 1.°2/ 9.7 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 53.56	+22 55.2	1.683	2.473	16.6	21.8
12 13	7 48.91	+23 26.6	1.602	2.477	13.0	21.6
12 23	7 41.20	+24 4.4	1.543	2.480	8.8	21.3
1 2	7 31.08	+24 44.0	1.510	2.484	4.0	21.0
1 12	7 19.76	+25 20.1	1.505	2.486	1.7	20.9
1 22	7 8.68	+25 48.8	1.528	2.489	6.3	21.2
2 1	6 59.25	+26 8.0	1.579	2.491	10.8	21.5
2 11	6 52.56	+26 18.3	1.654	2.493	14.7	21.7

82008 2000 RV_{35} 1 10.0 127.°00 1.°4/10.6 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 47.05	+16 38.9	2.620	3.384	12.0	20.4
12 13	7 42.58	+16 38.0	2.533	3.391	9.5	20.2
12 23	7 36.28	+16 43.3	2.471	3.398	6.5	20.0
1 2	7 28.64	+16 53.8	2.436	3.405	3.3	19.8
1 12	7 20.38	+17 7.9	2.431	3.411	1.5	19.7
1 22	7 12.28	+17 24.1	2.457	3.418	4.2	19.9
2 1	7 5.12	+17 40.9	2.512	3.424	7.3	20.1
2 11	6 59.55	+17 57.1	2.594	3.430	10.1	20.3

174856 2004 AS_{2} 1 10.0 241.°30 1.°7/10.7 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 49.93	+14 23.3	2.001	2.770	15.0	20.3
12 13	7 45.68	+14 54.5	1.900	2.760	12.0	20.0
12 23	7 38.88	+15 38.7	1.821	2.749	8.4	19.8
1 2	7 30.02	+16 33.9	1.768	2.738	4.3	19.5
1 12	7 20.01	+17 36.6	1.745	2.726	1.8	19.3
1 22	7 9.94	+18 42.2	1.751	2.714	5.4	19.5
2 1	7 1.00	+19 46.3	1.787	2.701	9.6	19.7
2 11	6 54.17	+20 45.6	1.848	2.689	13.3	20.0

411538 2011 BR_{116} 1 10.0 20.°90 2.°6/ 9.3 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 49.01	+26 10.0	1.471	2.282	17.6	20.7
12 13	7 45.74	+26 44.7	1.403	2.290	13.7	20.4
12 23	7 39.21	+27 23.0	1.356	2.298	9.3	20.2
1 2	7 30.19	+27 59.3	1.334	2.307	4.7	19.9
1 12	7 20.01	+28 27.9	1.337	2.316	3.0	19.9
1 22	7 10.24	+28 44.9	1.368	2.327	7.0	20.1
2 1	7 2.35	+28 49.4	1.423	2.338	11.5	20.4
2 11	6 57.39	+28 43.2	1.502	2.351	15.4	20.7

320625 2008 CE_{42} 1 10.0 31.°87 8.°6/13.5 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 46.43	+ 1 10.5	1.472	2.228	20.1	20.6
12 13	7 43.33	+ 0 38.0	1.405	2.237	17.0	20.4
12 23	7 37.40	+ 0 29.7	1.355	2.247	13.6	20.2
1 2	7 29.32	+ 0 49.2	1.326	2.258	10.4	20.0
1 12	7 20.23	+ 1 36.7	1.322	2.270	8.7	20.0
1 22	7 11.44	+ 2 48.1	1.343	2.282	9.6	20.1
2 1	7 4.21	+ 4 16.5	1.389	2.295	12.4	20.3
2 11	6 59.49	+ 5 53.3	1.457	2.308	15.7	20.5

139992 2001 SD_{36} 1 10.0 70.°19 4.°1/ 8.5 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 50.91	+33 0.4	2.282	3.064	13.0	20.0
12 13	7 46.16	+33 45.4	2.209	3.074	10.3	19.8
12 23	7 38.96	+34 28.1	2.159	3.085	7.4	19.7
1 2	7 29.94	+35 3.2	2.136	3.096	4.8	19.5
1 12	7 20.09	+35 26.3	2.143	3.106	4.3	19.5
1 22	7 10.52	+35 35.2	2.178	3.117	6.5	19.7
2 1	7 2.30	+35 29.9	2.241	3.128	9.3	19.8
2 11	6 56.26	+35 12.8	2.329	3.139	12.0	20.0

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
117119	2004 PE_{21}		1 10.0	127.°59	0.°3/ 9.9	18
	h m	° ′			°	m
12 3	7 50.83	+21 49.2	2.174	2.952	13.7	20.6
12 13	7 45.96	+22 2.4	2.093	2.960	10.7	20.4
12 23	7 38.77	+22 19.8	2.035	2.969	7.2	20.2
1 2	7 29.85	+22 39.1	2.003	2.977	3.3	20.0
1 12	7 20.13	+22 57.2	2.002	2.985	0.9	19.8
1 22	7 10.64	+23 12.0	2.031	2.992	4.9	20.1
2 1	7 2.41	+23 22.2	2.088	2.999	8.6	20.4
2 11	6 56.23	+23 27.7	2.171	3.006	11.8	20.6
251182	2006 UR_{60}		1 10.0	55.°45	4.°4/ 9.1	17
12 3	7 58.24	+30 48.5	1.474	2.271	18.2	20.1
12 13	7 52.59	+31 31.2	1.430	2.306	14.2	19.9
12 23	7 43.49	+32 11.5	1.407	2.340	9.8	19.7
1 2	7 31.97	+32 41.9	1.409	2.375	5.7	19.6
1 12	7 19.66	+32 56.7	1.438	2.409	4.6	19.6
1 22	7 8.24	+32 53.9	1.494	2.444	7.7	19.9
2 1	6 59.17	+32 35.7	1.577	2.478	11.5	20.2
2 11	6 53.31	+32 6.4	1.682	2.513	14.9	20.5
163620	2002 TE_{287}		1 10.0	21.°59	3.°1/10.7	18
12 3	7 48.30	+15 11.9	1.970	2.745	15.0	19.0
12 13	7 44.11	+14 31.2	1.888	2.750	12.0	18.8
12 23	7 37.58	+13 57.5	1.829	2.755	8.5	18.6
1 2	7 29.32	+13 31.5	1.795	2.760	4.9	18.4
1 12	7 20.27	+13 13.2	1.790	2.766	3.2	18.3
1 22	7 11.48	+13 2.2	1.814	2.772	5.7	18.5
2 1	7 3.97	+12 57.5	1.865	2.779	9.3	18.7
2 11	6 58.53	+12 57.7	1.941	2.786	12.6	18.9
252251	2001 QY_{109}		1 10.0	106.°20	1.°4/ 9.5	18
12 3	7 52.34	+23 51.0	1.934	2.718	15.0	20.5
12 13	7 47.47	+24 24.4	1.859	2.731	11.7	20.3
12 23	7 39.95	+25 2.1	1.808	2.744	7.8	20.1
1 2	7 30.43	+25 40.0	1.783	2.756	3.7	19.9
1 12	7 19.99	+26 13.6	1.787	2.768	1.8	19.8
1 22	7 9.86	+26 39.5	1.820	2.779	5.6	20.1
2 1	7 1.19	+26 56.4	1.882	2.791	9.5	20.3
2 11	6 54.89	+27 4.9	1.969	2.802	12.9	20.6
379112	2008 YD_{64}		1 10.0	41.°78	0.°4/10.1	18
12 3	7 53.53	+23 23.3	1.805	2.591	15.8	19.6
12 13	7 48.18	+22 45.7	1.742	2.614	12.3	19.4
12 23	7 40.21	+22 9.3	1.701	2.637	8.2	19.2
1 2	7 30.44	+21 33.1	1.687	2.660	3.8	19.0
1 12	7 20.03	+20 56.5	1.701	2.684	1.0	18.8
1 22	7 10.22	+20 19.7	1.746	2.709	5.3	19.2
2 1	7 2.10	+19 44.0	1.818	2.733	9.4	19.5
2 11	6 56.42	+19 10.3	1.915	2.758	12.8	19.8
49518	1999 CN_{32}		1 10.0	145.°24	0.°4/ 9.9	18
12 3	7 48.03	+20 52.2	2.488	3.262	12.3	18.8
12 13	7 43.59	+21 26.9	2.400	3.266	9.6	18.6
12 23	7 37.11	+22 7.1	2.337	3.270	6.4	18.4
1 2	7 29.10	+22 50.2	2.301	3.274	2.9	18.2
1 12	7 20.32	+23 32.8	2.296	3.278	0.9	18.0
1 22	7 11.65	+24 11.9	2.321	3.282	4.4	18.3
2 1	7 3.98	+24 45.4	2.376	3.285	7.8	18.5
2 11	6 58.05	+25 12.6	2.457	3.288	10.7	18.7
360102	2013 BQ_{79}		1 10.0	332.°47	2.°0/10.5	18
12 3	7 45.62	+17 4.2	1.207	2.027	20.2	20.5
12 13	7 43.86	+17 1.3	1.121	2.011	16.2	20.2
12 23	7 38.51	+17 11.6	1.054	1.996	11.3	19.9
1 2	7 30.13	+17 34.1	1.008	1.982	5.7	19.6
1 12	7 20.02	+18 5.8	0.987	1.969	2.2	19.3
1 22	7 9.92	+18 42.2	0.990	1.957	7.5	19.6
2 1	7 1.67	+19 18.8	1.016	1.946	13.3	19.9
2 11	6 56.70	+19 52.3	1.063	1.937	18.4	20.1
342963	2009 BY_{6}		1 10.0	16.°62	5.°7/12.7	18
12 3	7 43.83	+ 5 2.5	1.698	2.462	17.5	19.7
12 13	7 41.01	+ 5 8.2	1.624	2.470	14.5	19.5
12 23	7 35.71	+ 5 34.3	1.570	2.478	11.0	19.3
1 2	7 28.54	+ 6 21.7	1.539	2.488	7.6	19.2
1 12	7 20.46	+ 7 28.3	1.534	2.498	5.7	19.1
1 22	7 12.60	+ 8 49.3	1.557	2.510	7.1	19.2
2 1	7 6.05	+10 18.2	1.606	2.522	10.3	19.4
2 11	7 1.68	+11 48.6	1.680	2.535	13.7	19.6
419399	2010 AK_{35}		1 10.0	247.°21	0.°8/ 9.8	18
12 3	7 50.72	+24 56.7	2.459	3.234	12.4	21.0
12 13	7 45.78	+24 54.8	2.357	3.223	9.7	20.8
12 23	7 38.64	+24 53.8	2.279	3.212	6.6	20.6
1 2	7 29.81	+24 51.4	2.228	3.201	3.1	20.4
1 12	7 20.15	+24 45.7	2.207	3.189	1.2	20.2
1 22	7 10.60	+24 35.2	2.218	3.178	4.7	20.4
2 1	7 2.12	+24 20.0	2.257	3.166	8.2	20.6
2 11	6 55.52	+24 0.9	2.323	3.153	11.3	20.8

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
33765	1999 RK_{100}		1 10.0	245.°43	0.°5/ 9.9	18
	h m	° ′			°	m
12 3	7 53.23	+24 18.9	2.318	3.090	13.2	19.1
12 13	7 47.89	+24 9.6	2.211	3.075	10.4	18.9
12 23	7 40.15	+24 1.2	2.127	3.060	7.0	18.7
1 2	7 30.55	+23 51.5	2.071	3.044	3.2	18.4
1 12	7 19.96	+23 38.5	2.046	3.028	1.0	18.2
1 22	7 9.47	+23 21.0	2.051	3.011	4.9	18.5
2 1	7 0.12	+22 59.4	2.085	2.994	8.7	18.7
2 11	6 52.82	+22 34.7	2.146	2.977	12.1	18.9
28492	Marik		1 10.0	193.°26	4.°1/ 8.8	18
12 3	7 56.90	+30 15.9	1.795	2.580	15.9	18.8
12 13	7 51.64	+31 1.7	1.709	2.579	12.6	18.6
12 23	7 43.13	+31 48.0	1.646	2.577	8.8	18.3
1 2	7 32.03	+32 28.2	1.609	2.575	5.2	18.1
1 12	7 19.60	+32 55.7	1.601	2.572	4.3	18.1
1 22	7 7.37	+33 6.7	1.621	2.568	7.4	18.2
2 1	6 56.88	+33 1.2	1.668	2.564	11.3	18.5
2 11	6 49.28	+32 42.3	1.739	2.560	14.9	18.7
394891	2008 UC_{188}		1 10.0	86.°48	0.°6/10.2	15
12 3	7 55.25	+18 37.8	1.556	2.342	17.9	21.9
12 13	7 50.04	+18 57.4	1.495	2.366	14.0	21.7
12 23	7 41.77	+19 26.4	1.455	2.390	9.4	21.5
1 2	7 31.26	+20 1.3	1.441	2.414	4.4	21.3
1 12	7 19.83	+20 37.5	1.454	2.437	1.1	21.1
1 22	7 8.93	+21 11.1	1.496	2.459	6.0	21.5
2 1	6 59.91	+21 39.7	1.565	2.482	10.5	21.8
2 11	6 53.69	+22 2.4	1.658	2.503	14.4	22.1
98991	2001 DH_{35}		1 10.0	49.°07	0.°8/10.3	18
12 3	7 48.56	+18 34.2	1.933	2.717	15.0	19.8
12 13	7 44.49	+18 45.3	1.852	2.722	11.8	19.6
12 23	7 37.96	+19 4.0	1.793	2.728	8.0	19.4
1 2	7 29.54	+19 28.4	1.761	2.733	3.8	19.2
1 12	7 20.23	+19 55.4	1.757	2.739	1.1	19.0
1 22	7 11.14	+20 22.3	1.782	2.745	5.2	19.3
2 1	7 3.37	+20 46.7	1.835	2.751	9.2	19.5
2 11	6 57.76	+21 7.4	1.912	2.757	12.7	19.8
51542	2001 FA_{147}		1 10.0	120.°43	0.°9/ 9.8	18
12 3	7 55.83	+24 21.3	2.323	3.089	13.3	20.1
12 13	7 49.53	+24 33.0	2.251	3.112	10.3	19.9
12 23	7 40.97	+24 46.4	2.203	3.135	6.9	19.7
1 2	7 30.79	+24 58.6	2.184	3.156	3.2	19.5
1 12	7 19.96	+25 6.8	2.195	3.177	1.3	19.4
1 22	7 9.51	+25 9.3	2.238	3.197	4.8	19.7
2 1	7 0.43	+25 6.1	2.311	3.216	8.2	19.9
2 11	6 53.43	+24 57.9	2.410	3.234	11.2	20.2
447265	2005 UF_{347}		1 10.0	129.°23	1.°5/ 9.6	15
12 3	7 56.78	+23 46.2	1.754	2.537	16.3	22.5
12 13	7 51.17	+24 19.1	1.682	2.552	12.8	22.3
12 23	7 42.55	+24 56.7	1.631	2.566	8.6	22.1
1 2	7 31.66	+25 34.2	1.607	2.580	4.0	21.9
1 12	7 19.73	+26 6.5	1.612	2.593	1.9	21.7
1 22	7 8.18	+26 30.1	1.647	2.606	6.1	22.0
2 1	6 58.37	+26 43.7	1.709	2.617	10.4	22.3
2 11	6 51.28	+26 48.4	1.796	2.628	14.0	22.6
425374	2010 CU_{33}		1 10.0	209.°56	2.°5/ 9.2	18
12 3	7 51.29	+29 54.8	2.612	3.385	11.8	21.2
12 13	7 46.13	+30 10.7	2.518	3.381	9.3	21.0
12 23	7 38.81	+30 25.3	2.447	3.377	6.4	20.8
1 2	7 29.88	+30 35.1	2.405	3.372	3.5	20.6
1 12	7 20.16	+30 37.4	2.393	3.368	2.7	20.5
1 22	7 10.61	+30 30.5	2.412	3.362	5.1	20.7
2 1	7 2.17	+30 14.6	2.459	3.357	8.1	20.9
2 11	6 55.59	+29 51.2	2.533	3.351	10.9	21.0
288631	2004 PW_{12}		1 10.0	173.°55	1.°5/ 9.6	18
12 3	7 56.37	+25 6.0	2.031	2.806	14.7	22.4
12 13	7 50.59	+25 28.8	1.944	2.810	11.5	22.2
12 23	7 42.07	+25 54.3	1.880	2.813	7.8	22.0
1 2	7 31.44	+26 18.4	1.843	2.815	3.7	21.7
1 12	7 19.78	+26 37.1	1.836	2.817	1.9	21.6
1 22	7 8.34	+26 47.7	1.860	2.817	5.7	21.9
2 1	6 58.36	+26 49.5	1.912	2.817	9.6	22.1
2 11	6 50.81	+26 43.6	1.990	2.816	13.1	22.3
493703	2015 TP_{75}		1 10.0	91.°68	1.°5/ 9.6	15
12 3	7 56.79	+23 59.8	1.605	2.395	17.3	22.5
12 13	7 51.27	+24 30.0	1.544	2.418	13.5	22.3
12 23	7 42.62	+25 4.7	1.505	2.441	9.0	22.1
1 2	7 31.66	+25 38.6	1.491	2.464	4.2	21.9
1 12	7 19.75	+26 6.7	1.505	2.486	2.0	21.8
1 22	7 8.41	+26 25.5	1.548	2.508	6.3	22.1
2 1	6 59.01	+26 34.5	1.618	2.529	10.7	22.4
2 11	6 52.50	+26 34.9	1.712	2.550	14.4	22.7

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
58583	1997 SV_4		1 10.0	295.°79	4.°3/ 9.1	18
	h m	° ′			°	m
12 3	7 54.33	+30 22.7	1.462	2.267	18.0	18.6
12 13	7 50.43	+30 52.9	1.375	2.255	14.4	18.4
12 23	7 42.78	+31 23.0	1.307	2.243	10.1	18.1
1 2	7 32.03	+31 46.0	1.263	2.232	5.8	17.8
1 12	7 19.62	+31 55.2	1.246	2.220	4.6	17.7
1 22	7 7.38	+31 46.5	1.255	2.209	8.3	17.9
2 1	6 57.16	+31 20.8	1.289	2.198	13.0	18.1
2 11	6 50.33	+30 42.2	1.345	2.187	17.3	18.4
464356	2016 AC_{123}		1 10.0	27.°84	0.°3/10.1	18
12 3	7 48.81	+19 21.2	1.578	2.377	17.2	20.8
12 13	7 45.27	+19 43.7	1.504	2.383	13.5	20.6
12 23	7 38.79	+20 15.7	1.450	2.389	9.1	20.3
1 2	7 30.02	+20 53.9	1.421	2.395	4.2	20.0
1 12	7 20.14	+21 34.0	1.419	2.402	1.0	19.8
1 22	7 10.54	+22 11.6	1.445	2.409	6.0	20.2
2 1	7 2.56	+22 43.8	1.497	2.417	10.6	20.5
2 11	6 57.21	+23 9.3	1.573	2.425	14.6	20.7
110727	2001 TR_{235}		1 10.0	167.°23	0.°1/10.1	18
12 3	7 47.31	+19 32.3	2.951	3.714	10.8	20.3
12 13	7 42.69	+20 1.0	2.858	3.718	8.4	20.1
12 23	7 36.35	+20 34.8	2.791	3.722	5.7	19.9
1 2	7 28.72	+21 11.7	2.752	3.725	2.6	19.7
1 12	7 20.47	+21 49.2	2.744	3.727	0.6	19.6
1 22	7 12.29	+22 25.0	2.769	3.730	3.8	19.8
2 1	7 4.93	+22 57.3	2.823	3.731	6.7	20.0
2 11	6 59.00	+23 25.1	2.905	3.733	9.4	20.2
158232	2001 SO_{267}		1 10.0	132.°75	3.°2/ 8.9	18
12 3	7 57.16	+27 46.6	1.819	2.602	15.8	21.0
12 13	7 51.54	+28 38.3	1.746	2.616	12.4	20.8
12 23	7 42.86	+29 32.3	1.696	2.629	8.5	20.6
1 2	7 31.84	+30 22.0	1.673	2.642	4.6	20.4
1 12	7 19.72	+31 1.3	1.679	2.654	3.5	20.4
1 22	7 7.94	+31 26.4	1.714	2.665	6.8	20.6
2 1	6 57.91	+31 36.6	1.777	2.675	10.6	20.9
2 11	6 50.63	+31 34.1	1.864	2.685	14.0	21.1
373664	2002 QJ_{81}		1 10.0	73.°32	3.°4/ 9.1	18
12 3	7 52.78	+31 23.4	2.124	2.907	13.9	20.9
12 13	7 47.66	+31 44.3	2.051	2.919	10.9	20.8
12 23	7 39.98	+32 2.7	2.000	2.930	7.6	20.6
1 2	7 30.43	+32 14.1	1.976	2.942	4.4	20.4
1 12	7 20.07	+32 14.9	1.981	2.953	3.5	20.4
1 22	7 10.11	+32 3.6	2.016	2.965	6.1	20.6
2 1	7 1.63	+31 41.1	2.078	2.976	9.3	20.8
2 11	6 55.48	+31 10.0	2.166	2.988	12.3	21.0
502486	2015 BD_{356}		1 10.1	359.°10	2.°7/ 9.3	18
12 3	7 50.84	+30 2.6	2.260	3.042	13.1	21.3
12 13	7 46.10	+30 17.8	2.173	3.042	10.3	21.1
12 23	7 38.94	+30 31.5	2.110	3.042	7.1	20.9
1 2	7 29.98	+30 39.8	2.074	3.042	3.9	20.7
1 12	7 20.18	+30 39.6	2.067	3.042	2.9	20.6
1 22	7 10.62	+30 29.3	2.090	3.042	5.6	20.8
2 1	7 2.36	+30 9.3	2.141	3.042	8.9	21.0
2 11	6 56.23	+29 41.5	2.217	3.042	11.9	21.2
385130	2013 GH_{79}		1 10.1	224.°26	3.°3/ 8.2	17
12 3	7 46.93	+36 4.8	3.766	4.528	8.7	21.0
12 13	7 42.25	+36 37.2	3.670	4.521	7.0	20.8
12 23	7 35.99	+37 6.5	3.598	4.513	5.1	20.7
1 2	7 28.55	+37 29.7	3.556	4.505	3.7	20.6
1 12	7 20.53	+37 44.2	3.544	4.497	3.5	20.5
1 22	7 12.59	+37 48.7	3.562	4.489	4.8	20.6
2 1	7 5.39	+37 43.1	3.610	4.480	6.6	20.7
2 11	6 59.50	+37 28.4	3.684	4.471	8.4	20.9
141744	2002 LZ_{37}		1 10.1	81.°91	2.°3/11.3	18
12 3	7 56.27	+ 6 34.1	1.120	1.902	23.8	19.5
12 13	7 52.37	+ 8 30.9	1.048	1.912	19.2	19.2
12 23	7 44.37	+11 7.9	0.993	1.921	13.5	18.9
1 2	7 32.88	+14 19.6	0.962	1.931	7.0	18.6
1 12	7 19.42	+17 50.3	0.959	1.940	2.4	18.3
1 22	7 6.04	+21 19.2	0.984	1.950	7.9	18.7
2 1	6 54.86	+24 28.0	1.038	1.959	14.1	19.0
2 11	6 47.47	+27 7.0	1.115	1.969	19.2	19.4
414899	2010 XJ_{38}		1 10.1	357.°65	2.°2/ 9.3	18
12 3	7 48.49	+24 30.6	1.607	2.412	16.6	20.8
12 13	7 45.23	+25 15.4	1.527	2.410	13.0	20.6
12 23	7 38.91	+26 6.4	1.468	2.408	8.8	20.3
1 2	7 30.15	+26 58.5	1.434	2.407	4.3	20.1
1 12	7 20.13	+27 45.4	1.427	2.407	2.6	20.0
1 22	7 10.28	+28 22.2	1.448	2.407	6.7	20.2
2 1	7 2.06	+28 46.7	1.495	2.408	11.2	20.5
2 11	6 56.56	+28 59.1	1.565	2.410	15.1	20.7

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
231501	2008 QV_{43}		1 10.1	56.°49	4.°6/ 8.3	18
	h m	° ′			°	m
12 3	7 51.74	+31 13.2	1.893	2.685	15.0	19.4
12 13	7 47.33	+32 21.5	1.827	2.699	11.8	19.2
12 23	7 40.03	+33 29.5	1.783	2.713	8.3	19.0
1 2	7 30.56	+34 30.3	1.766	2.728	5.3	18.9
1 12	7 20.05	+35 17.5	1.777	2.743	4.9	18.9
1 22	7 9.86	+35 47.4	1.817	2.758	7.4	19.0
2 1	7 1.28	+35 59.5	1.883	2.773	10.6	19.3
2 11	6 55.28	+35 56.3	1.973	2.788	13.6	19.5
109726	2001 RY_{56}		1 10.1	247.°16	4.°1/11.5	18
12 3	7 49.35	+ 9 22.9	2.171	2.921	14.6	20.9
12 13	7 44.99	+ 9 12.4	2.063	2.905	12.0	20.7
12 23	7 38.32	+ 9 14.0	1.977	2.889	8.9	20.5
1 2	7 29.79	+ 9 28.8	1.917	2.871	5.7	20.3
1 12	7 20.22	+ 9 56.0	1.885	2.854	4.2	20.1
1 22	7 10.59	+10 33.7	1.883	2.836	6.1	20.2
2 1	7 1.95	+11 18.8	1.909	2.817	9.5	20.4
2 11	6 55.19	+12 7.9	1.961	2.798	12.8	20.6
458709	2011 HM_{86}		1 10.1	94.°60	1.°7/ 9.3	18
12 3	7 49.61	+24 30.5	2.283	3.064	13.1	21.3
12 13	7 45.03	+25 18.1	2.206	3.076	10.2	21.1
12 23	7 38.18	+26 9.7	2.153	3.088	6.8	20.9
1 2	7 29.64	+27 0.9	2.128	3.100	3.3	20.7
1 12	7 20.28	+27 47.6	2.132	3.111	2.0	20.6
1 22	7 11.12	+28 26.2	2.167	3.123	5.1	20.9
2 1	7 3.14	+28 55.1	2.231	3.134	8.5	21.1
2 11	6 57.13	+29 14.4	2.320	3.146	11.5	21.3
439893	2000 SN_{184}		1 10.1	37.°33	3.°1/10.9	16
12 3	7 50.54	+13 56.3	1.062	1.877	22.6	20.6
12 13	7 47.28	+14 1.5	1.019	1.904	17.9	20.4
12 23	7 40.32	+14 25.0	0.994	1.932	12.3	20.2
1 2	7 30.69	+15 4.4	0.991	1.961	6.5	19.9
1 12	7 20.08	+15 54.3	1.011	1.991	3.2	19.8
1 22	7 10.29	+16 48.4	1.056	2.022	7.4	20.2
2 1	7 2.88	+17 41.0	1.126	2.054	12.4	20.6
2 11	6 58.82	+18 28.2	1.216	2.086	16.8	20.9
285558	2000 KR_{45}		1 10.1	202.°51	3.°2/10.9	18
12 3	7 52.10	+13 54.8	1.683	2.459	17.2	21.4
12 13	7 47.68	+13 40.1	1.596	2.457	13.8	21.2
12 23	7 40.37	+13 36.6	1.529	2.455	9.8	20.9
1 2	7 30.78	+13 44.3	1.487	2.453	5.5	20.7
1 12	7 20.02	+14 1.7	1.472	2.450	3.3	20.5
1 22	7 9.40	+14 26.3	1.486	2.446	6.5	20.7
2 1	7 0.27	+14 55.2	1.527	2.443	10.8	20.9
2 11	6 53.66	+15 25.6	1.592	2.439	14.8	21.2
367979	2012 EL_{16}		1 10.1	173.°11	3.°5/11.7	18
12 3	7 48.58	+ 9 18.6	2.064	2.819	15.1	20.7
12 13	7 44.38	+ 9 36.7	1.974	2.820	12.3	20.5
12 23	7 37.86	+10 9.7	1.906	2.821	8.9	20.3
1 2	7 29.55	+10 57.2	1.863	2.822	5.4	20.0
1 12	7 20.32	+11 56.7	1.849	2.822	3.5	19.9
1 22	7 11.17	+13 4.3	1.865	2.823	5.6	20.1
2 1	7 3.13	+14 15.3	1.910	2.823	9.1	20.3
2 11	6 57.07	+15 25.6	1.980	2.823	12.5	20.5
190685	2001 DF_{25}		1 10.1	330.°28	6.°4/ 8.7	18
12 3	7 55.92	+38 49.7	1.904	2.685	15.3	20.4
12 13	7 50.89	+39 20.8	1.821	2.679	12.5	20.2
12 23	7 42.60	+39 44.3	1.759	2.674	9.5	20.0
1 2	7 31.79	+39 53.0	1.722	2.670	7.0	19.8
1 12	7 19.80	+39 41.3	1.713	2.665	6.6	19.8
1 22	7 8.22	+39 7.7	1.731	2.661	8.6	19.9
2 1	6 58.52	+38 14.6	1.775	2.657	11.6	20.1
2 11	6 51.76	+37 7.4	1.843	2.653	14.6	20.3
331710	2002 RK_{185}		1 10.1	101.°79	1.°2/10.4	18
12 3	7 49.51	+18 48.6	2.314	3.085	13.2	20.7
12 13	7 44.74	+18 36.0	2.232	3.094	10.4	20.6
12 23	7 37.87	+18 28.2	2.173	3.103	7.1	20.4
1 2	7 29.46	+18 24.1	2.141	3.112	3.5	20.2
1 12	7 20.38	+18 22.6	2.139	3.121	1.3	20.0
1 22	7 11.53	+18 22.3	2.168	3.130	4.6	20.3
2 1	7 3.83	+18 22.4	2.225	3.138	8.0	20.5
2 11	6 57.98	+18 22.4	2.309	3.146	11.1	20.7
519904	2013 PU_{80}		1 10.1	197.°31	1.°5/10.6	18
12 3	7 48.96	+16 45.5	2.142	2.914	14.1	21.9
12 13	7 44.63	+16 51.0	2.051	2.913	11.1	21.7
12 23	7 38.00	+17 4.7	1.982	2.912	7.7	21.5
1 2	7 29.61	+17 25.0	1.940	2.911	3.9	21.2
1 12	7 20.33	+17 49.7	1.928	2.909	1.6	21.0
1 22	7 11.18	+18 16.3	1.945	2.907	5.0	21.3
2 1	7 3.17	+18 42.7	1.991	2.906	8.7	21.5
2 11	6 57.12	+19 7.2	2.062	2.904	12.1	21.7

445923 2012 XB_{113} 1 10.1 22.°29 1.°9/ 9.8 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 53.16	+26 10.0	1.183	2.003	20.5	20.5
12 13	7 49.70	+26 9.8	1.117	2.008	16.1	20.2
12 23	7 42.27	+26 11.4	1.070	2.013	10.9	19.9
1 2	7 31.75	+26 10.0	1.045	2.020	5.2	19.7
1 12	7 19.83	+26 1.0	1.045	2.027	2.4	19.5
1 22	7 8.51	+25 42.5	1.070	2.035	7.7	19.8
2 1	6 59.62	+25 15.7	1.120	2.043	13.1	20.2
2 11	6 54.34	+24 43.5	1.190	2.052	17.7	20.5

185643 2040 P–L 1 10.1 96.°22 3.°2/ 9.3 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	8 1.13	+27 57.6	1.506	2.295	18.3	20.4
12 13	7 54.92	+28 33.6	1.449	2.322	14.3	20.2
12 23	7 45.18	+29 10.5	1.413	2.347	9.7	20.0
1 2	7 32.88	+29 41.2	1.402	2.372	5.1	19.8
1 12	7 19.59	+29 59.8	1.420	2.397	3.5	19.8
1 22	7 7.04	+30 3.5	1.466	2.420	7.3	20.1
2 1	6 56.77	+29 53.4	1.538	2.443	11.5	20.4
2 11	6 49.79	+29 33.1	1.634	2.465	15.2	20.7

184091 2004 GL_{72} 1 10.1 334.°04 6.°0/ 7.9 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 52.77	+33 23.2	1.698	2.495	16.2	20.3
12 13	7 48.81	+34 37.8	1.619	2.492	13.0	20.1
12 23	7 41.48	+35 52.2	1.562	2.489	9.5	19.9
1 2	7 31.41	+36 57.8	1.529	2.487	6.6	19.7
1 12	7 19.88	+37 46.3	1.524	2.484	6.3	19.7
1 22	7 8.51	+38 12.7	1.546	2.482	8.9	19.8
2 1	6 58.93	+38 16.6	1.594	2.480	12.4	20.0
2 11	6 52.37	+38 1.5	1.664	2.478	15.8	20.2

280689 2005 ET_{282} 1 10.1 221.°39 1.°4/10.7 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 46.98	+15 25.2	2.387	3.154	13.0	20.5
12 13	7 42.88	+15 49.4	2.292	3.151	10.3	20.4
12 23	7 36.73	+16 22.8	2.221	3.149	7.1	20.1
1 2	7 29.02	+17 3.9	2.177	3.147	3.6	19.9
1 12	7 20.49	+17 49.9	2.163	3.144	1.4	19.8
1 22	7 12.02	+18 37.8	2.179	3.142	4.5	20.0
2 1	7 4.51	+19 24.6	2.225	3.139	8.0	20.2
2 11	6 58.71	+20 8.1	2.297	3.136	11.1	20.4

375052 2007 LW_{27} 1 10.1 295.°25 8.°0/12.9 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 45.86	+ 0 10.7	1.995	2.721	16.5	21.3
12 13	7 42.43	− 0 25.1	1.896	2.707	14.1	21.1
12 23	7 36.68	− 0 42.7	1.816	2.693	11.6	20.9
1 2	7 29.08	− 0 38.4	1.759	2.678	9.2	20.7
1 12	7 20.46	− 0 10.7	1.727	2.664	8.0	20.6
1 22	7 11.81	+ 0 39.1	1.723	2.650	8.8	20.6
2 1	7 4.19	+ 1 47.3	1.745	2.637	11.2	20.7
2 11	6 58.49	+ 3 7.9	1.791	2.623	14.1	20.9

103899 2000 DG_{56} 1 10.1 273.°39 2.°5/10.9 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 49.14	+14 26.2	1.844	2.621	15.9	20.1
12 13	7 45.30	+14 27.4	1.744	2.607	12.8	19.8
12 23	7 38.78	+14 39.9	1.665	2.593	9.0	19.6
1 2	7 30.10	+15 3.2	1.611	2.579	4.9	19.3
1 12	7 20.21	+15 35.0	1.585	2.564	2.6	19.1
1 22	7 10.29	+16 12.4	1.588	2.550	5.9	19.3
2 1	7 1.60	+16 52.0	1.618	2.535	10.2	19.5
2 11	6 55.16	+17 31.1	1.673	2.521	14.1	19.7

193290 2000 SO_{232} 1 10.1 106.°70 18.°2/16.5 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 53.17	−13 11.7	1.264	1.953	25.9	20.3
12 13	7 49.15	−15 21.8	1.210	1.964	23.7	20.2
12 23	7 41.65	−16 57.3	1.169	1.975	21.4	20.1
1 2	7 31.44	−17 46.8	1.144	1.986	19.4	20.0
1 12	7 19.90	−17 42.8	1.137	1.996	18.3	19.9
1 22	7 8.72	−16 45.4	1.149	2.006	18.4	20.0
2 1	6 59.50	−15 2.2	1.181	2.015	19.5	20.1
2 11	6 53.42	−12 47.0	1.230	2.024	21.4	20.2

252771 2002 EB_{95} 1 10.1 212.°75 2.°2/ 9.3 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 54.90	+26 35.5	2.111	2.888	14.1	21.6
12 13	7 49.57	+27 6.1	2.014	2.881	11.1	21.4
12 23	7 41.51	+27 39.0	1.940	2.873	7.6	21.2
1 2	7 31.30	+28 9.9	1.893	2.864	3.9	20.9
1 12	7 19.93	+28 34.2	1.876	2.854	2.5	20.8
1 22	7 8.64	+28 48.8	1.889	2.844	5.9	21.0
2 1	6 58.67	+28 52.7	1.931	2.833	9.7	21.2
2 11	6 51.03	+28 47.3	1.998	2.821	13.1	21.4

273043 2006 DL_{137} 1 10.1 33.°01 0.°9/ 9.8 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 49.20	+22 49.2	1.998	2.786	14.4	21.2
12 13	7 45.06	+23 13.7	1.914	2.787	11.3	21.0
12 23	7 38.41	+23 43.0	1.853	2.789	7.6	20.8
1 2	7 29.83	+24 14.0	1.818	2.791	3.5	20.6
1 12	7 20.30	+24 42.8	1.811	2.793	1.3	20.4
1 22	7 10.96	+25 6.4	1.834	2.796	5.3	20.7
2 1	7 2.92	+25 23.2	1.885	2.798	9.3	20.9
2 11	6 57.07	+25 33.0	1.961	2.800	12.7	21.2

36525 2000 QV_{80} 1 10.1 255.°54 2.°5/10.7 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 51.41	+15 26.9	1.682	2.464	17.0	19.8
12 13	7 47.32	+15 19.2	1.586	2.452	13.6	19.5
12 23	7 40.27	+15 22.0	1.511	2.441	9.6	19.3
1 2	7 30.83	+15 34.8	1.460	2.429	5.1	19.0
1 12	7 20.05	+15 55.5	1.437	2.416	2.6	18.8
1 22	7 9.28	+16 21.5	1.441	2.404	6.3	19.0
2 1	6 59.93	+16 49.8	1.473	2.391	11.0	19.2
2 11	6 53.13	+17 18.1	1.529	2.378	15.1	19.4

459109 2012 BS_{116} 1 10.1 50.°86 1.°1/10.4 16

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 51.70	+18 17.8	1.432	2.231	18.6	21.5
12 13	7 47.53	+18 26.2	1.374	2.252	14.6	21.3
12 23	7 40.24	+18 44.5	1.336	2.273	9.8	21.1
1 2	7 30.66	+19 10.0	1.323	2.296	4.7	20.8
1 12	7 20.14	+19 38.7	1.336	2.318	1.4	20.6
1 22	7 10.18	+20 6.8	1.376	2.341	6.2	21.0
2 1	7 2.12	+20 31.7	1.442	2.364	10.8	21.3
2 11	6 56.90	+20 52.3	1.532	2.387	14.8	21.6

136097 2003 CS_{17} 1 10.1 341.°67 3.°5/ 9.6 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 54.10	+31 23.5	1.577	2.377	17.1	19.1
12 13	7 49.77	+31 20.5	1.492	2.370	13.6	18.8
12 23	7 42.01	+31 13.1	1.428	2.364	9.5	18.6
1 2	7 31.59	+30 56.3	1.389	2.358	5.3	18.3
1 12	7 19.91	+30 26.1	1.377	2.353	3.7	18.2
1 22	7 8.62	+29 41.7	1.392	2.349	7.3	18.4
2 1	6 59.30	+28 45.9	1.434	2.345	11.7	18.6
2 11	6 53.06	+27 43.4	1.498	2.342	15.7	18.9

321684 2010 EF_{84} 1 10.1 101.°64 1.°0/10.5 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 47.83	+17 29.2	2.567	3.333	12.2	21.3
12 13	7 43.23	+17 38.3	2.489	3.348	9.5	21.1
12 23	7 36.77	+17 53.4	2.434	3.363	6.5	21.0
1 2	7 28.97	+18 13.2	2.407	3.377	3.2	20.8
1 12	7 20.56	+18 35.7	2.410	3.392	1.2	20.6
1 22	7 12.36	+18 58.8	2.444	3.406	4.1	20.9
2 1	7 5.15	+19 20.9	2.507	3.420	7.3	21.1
2 11	6 59.58	+19 41.0	2.598	3.433	10.1	21.3

34008 2000 OB_{12} 1 10.1 108.°21 0.°2/10.1 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 56.21	+20 33.9	1.791	2.568	16.3	19.6
12 13	7 50.47	+20 43.8	1.724	2.590	12.7	19.4
12 23	7 41.95	+20 59.8	1.678	2.611	8.5	19.2
1 2	7 31.40	+21 18.7	1.659	2.632	3.9	19.0
1 12	7 19.99	+21 37.2	1.669	2.652	0.9	18.8
1 22	7 9.05	+21 52.6	1.709	2.671	5.5	19.1
2 1	6 59.79	+22 3.7	1.777	2.690	9.7	19.4
2 11	6 53.08	+22 10.4	1.870	2.708	13.3	19.7

462031 2007 BA_{77} 1 10.1 343.°33 6.°1/12.7 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 43.13	+ 5 26.6	1.404	2.186	19.7	20.6
12 13	7 41.29	+ 5 36.3	1.316	2.173	16.4	20.4
12 23	7 36.46	+ 6 11.1	1.245	2.162	12.5	20.1
1 2	7 29.16	+ 7 13.4	1.197	2.151	8.5	19.8
1 12	7 20.47	+ 8 41.1	1.173	2.142	6.1	19.7
1 22	7 11.76	+10 27.9	1.176	2.134	8.0	19.8
2 1	7 4.49	+12 24.8	1.203	2.128	12.2	20.0
2 11	6 59.88	+14 22.1	1.253	2.123	16.5	20.2

143405 2003 BE_{44} 1 10.1 9.°94 3.°3/11.6 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 47.06	+10 1.1	1.509	2.293	18.5	18.8
12 13	7 44.06	+10 38.0	1.429	2.294	14.9	18.6
12 23	7 38.13	+11 35.8	1.369	2.296	10.7	18.4
1 2	7 29.85	+12 53.2	1.333	2.298	6.1	18.1
1 12	7 20.33	+14 25.3	1.323	2.301	3.3	17.9
1 22	7 10.94	+16 4.7	1.341	2.305	6.5	18.1
2 1	7 3.05	+17 43.6	1.386	2.309	11.0	18.4
2 11	6 57.76	+19 15.8	1.455	2.314	15.2	18.7

216245 2006 VX_{58} 1 10.1 143.°59 0.°1/10.0 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 52.30	+20 55.4	2.166	2.939	13.9	21.1
12 13	7 47.16	+21 16.1	2.084	2.949	10.9	20.9
12 23	7 39.65	+21 42.3	2.025	2.958	7.3	20.7
1 2	7 30.37	+22 11.0	1.994	2.967	3.3	20.5
1 12	7 20.24	+22 39.1	1.992	2.975	0.8	20.3
1 22	7 10.33	+23 3.8	2.021	2.983	4.9	20.6
2 1	7 1.68	+23 23.4	2.079	2.990	8.7	20.9
2 11	6 55.11	+23 37.7	2.163	2.996	11.9	21.1

68778 2002 FO_2 1 10.1 98.°98 4.°4/11.6 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 53.28	+ 9 29.6	1.845	2.599	16.7	18.9
12 13	7 47.96	+ 9 16.0	1.779	2.623	13.5	18.7
12 23	7 40.16	+ 9 16.4	1.735	2.647	9.8	18.5
1 2	7 30.56	+ 9 31.0	1.715	2.671	6.2	18.4
1 12	7 20.21	+ 9 58.2	1.724	2.694	4.4	18.3
1 22	7 10.26	+10 35.2	1.762	2.716	6.4	18.5
2 1	7 1.78	+11 18.3	1.829	2.738	9.7	18.7
2 11	6 55.58	+12 3.8	1.920	2.759	13.0	19.0

375108 2007 TE_{144} 1 10.1 86.°63 0.°2/10.2 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 49.43	+20 23.1	2.388	3.161	12.8	21.4
12 13	7 44.59	+20 33.0	2.316	3.180	10.0	21.3
12 23	7 37.72	+20 47.4	2.267	3.200	6.7	21.1
1 2	7 29.41	+21 4.3	2.246	3.219	3.1	20.9
1 12	7 20.49	+21 21.5	2.256	3.238	0.7	20.7
1 22	7 11.84	+21 36.9	2.295	3.257	4.3	21.1
2 1	7 4.34	+21 49.5	2.364	3.276	7.7	21.3
2 11	6 58.65	+21 58.8	2.459	3.295	10.6	21.5

138736 2000 SV_{199} 1 10.1 151.°77 0.°6/ 9.8 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 47.90	+23 13.3	2.871	3.641	10.9	20.6
12 13	7 43.21	+23 30.5	2.783	3.647	8.5	20.4
12 23	7 36.75	+23 50.4	2.719	3.652	5.7	20.2
1 2	7 28.98	+24 10.6	2.684	3.657	2.6	20.0
1 12	7 20.58	+24 28.9	2.680	3.662	0.9	19.9
1 22	7 12.34	+24 43.7	2.707	3.667	4.0	20.1
2 1	7 4.99	+24 53.9	2.764	3.671	6.9	20.3
2 11	6 59.16	+24 59.4	2.848	3.675	9.5	20.5

61223 2000 OL_{13} 1 10.1 98.°00 0.°8/10.3 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 54.10	+19 40.2	1.584	2.373	17.5	19.7
12 13	7 49.29	+19 38.0	1.512	2.385	13.8	19.5
12 23	7 41.43	+19 42.9	1.461	2.396	9.3	19.2
1 2	7 31.26	+19 52.8	1.435	2.407	4.4	19.0
1 12	7 20.04	+20 4.5	1.436	2.419	1.2	18.8
1 22	7 9.23	+20 15.5	1.466	2.429	6.0	19.1
2 1	7 0.20	+20 24.3	1.522	2.440	10.7	19.4
2 11	6 53.93	+20 30.3	1.603	2.450	14.6	19.7

126259 2002 AE_{76} 1 10.1 226.°43 0.°9/ 9.7 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 50.27	+22 26.7	2.194	2.973	13.6	20.2
12 13	7 45.78	+22 58.8	2.098	2.967	10.7	19.9
12 23	7 38.89	+23 36.4	2.025	2.960	7.2	19.7
1 2	7 30.10	+24 16.3	1.980	2.953	3.3	19.5
1 12	7 20.30	+24 54.4	1.964	2.946	1.3	19.3
1 22	7 10.54	+25 27.5	1.978	2.938	5.1	19.5
2 1	7 1.93	+25 53.4	2.021	2.930	8.9	19.8
2 11	6 55.35	+26 11.7	2.089	2.922	12.3	20.0

251140 2006 TK_{45} 1 10.1 89.°27 2.°4/ 9.3 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 55.66	+26 29.5	1.894	2.676	15.3	20.7
12 13	7 50.02	+27 9.9	1.833	2.702	11.9	20.5
12 23	7 41.64	+27 52.2	1.794	2.728	8.0	20.3
1 2	7 31.26	+28 31.0	1.783	2.754	4.1	20.1
1 12	7 20.06	+29 1.7	1.801	2.779	2.7	20.1
1 22	7 9.35	+29 21.2	1.849	2.803	6.0	20.3
2 1	7 0.30	+29 29.2	1.924	2.827	9.7	20.6
2 11	6 53.78	+29 27.3	2.025	2.851	12.9	20.9

153632 2001 TT_{63} 1 10.1 96.°50 0.°6/ 9.9 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 57.38	+22 11.3	1.625	2.410	17.3	20.6
12 13	7 51.65	+22 28.2	1.563	2.434	13.5	20.4
12 23	7 42.87	+22 50.5	1.523	2.458	9.0	20.2
1 2	7 31.85	+23 14.2	1.508	2.481	4.1	19.9
1 12	7 19.93	+23 34.9	1.521	2.504	1.2	19.8
1 22	7 8.57	+23 49.8	1.564	2.526	6.0	20.2
2 1	6 59.12	+23 57.9	1.634	2.547	10.4	20.5
2 11	6 52.50	+24 0.0	1.729	2.568	14.1	20.7

133809 2003 WE_{153} 1 10.1 55.°93 0.°2/10.2 17

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 53.07	+16 10.0	1.392	2.186	19.3	19.1
12 13	7 48.73	+17 20.2	1.338	2.213	15.0	18.9
12 23	7 41.15	+18 45.8	1.304	2.241	10.1	18.7
1 2	7 31.14	+20 20.8	1.295	2.269	4.6	18.4
1 12	7 20.09	+21 56.5	1.314	2.297	1.0	18.3
1 22	7 9.55	+23 24.9	1.361	2.325	6.4	18.7
2 1	7 0.98	+24 40.6	1.435	2.353	11.2	19.0
2 11	6 55.37	+25 41.6	1.532	2.381	15.1	19.3

349249 2007 TE_{121} 1 10.1 53.°50 4.°3/11.4 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 49.98	+11 15.9	1.464	2.247	19.0	20.9
12 13	7 46.22	+11 2.8	1.394	2.258	15.3	20.6
12 23	7 39.45	+11 5.5	1.345	2.269	11.0	20.4
1 2	7 30.39	+11 24.4	1.318	2.281	6.6	20.2
1 12	7 20.26	+11 57.4	1.318	2.292	4.3	20.1
1 22	7 10.49	+12 40.8	1.344	2.304	7.1	20.3
2 1	7 2.41	+13 29.9	1.397	2.316	11.3	20.5
2 11	6 57.03	+14 20.2	1.472	2.329	15.2	20.8

201426 2003 AG_{14} 1 10.1 61.°52 1.°0/10.5 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 47.27	+16 3.4	2.207	2.979	13.7	20.1
12 13	7 43.21	+16 39.1	2.126	2.989	10.8	19.9
12 23	7 37.00	+17 24.6	2.069	2.999	7.3	19.7
1 2	7 29.17	+18 17.5	2.038	3.009	3.6	19.5
1 12	7 20.55	+19 14.3	2.037	3.020	1.1	19.3
1 22	7 12.09	+20 10.9	2.067	3.030	4.6	19.6
2 1	7 4.72	+21 4.3	2.125	3.040	8.2	19.8
2 11	6 59.22	+21 52.1	2.210	3.051	11.4	20.0

79477 1998 CN 1 10.1 46.°50 2.°4/ 9.6 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 53.51	+29 22.5	1.917	2.705	15.0	18.4
12 13	7 48.29	+29 20.3	1.853	2.725	11.7	18.2
12 23	7 40.41	+29 15.9	1.811	2.745	7.9	18.0
1 2	7 30.66	+29 5.7	1.795	2.765	4.1	17.9
1 12	7 20.23	+28 47.1	1.808	2.786	2.6	17.8
1 22	7 10.34	+28 19.8	1.850	2.807	5.8	18.0
2 1	7 2.12	+27 45.1	1.921	2.829	9.4	18.3
2 11	6 56.36	+27 5.7	2.016	2.850	12.6	18.5

193855 2001 QZ_{120} 1 10.1 149.°74 3.°3/ 9.3 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 57.96	+28 54.5	1.713	2.499	16.5	21.0
12 13	7 52.42	+29 24.6	1.636	2.507	13.0	20.8
12 23	7 43.62	+29 55.1	1.580	2.513	9.0	20.6
1 2	7 32.30	+30 19.9	1.551	2.519	4.9	20.4
1 12	7 19.81	+30 33.5	1.549	2.525	3.5	20.3
1 22	7 7.70	+30 33.1	1.577	2.530	7.0	20.5
2 1	6 57.46	+30 19.3	1.632	2.535	11.1	20.8
2 11	6 50.17	+29 55.0	1.710	2.539	14.8	21.0

165682 2001 OY_{65} 1 10.1 90.°40 4.°5/ 8.8 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 55.66	+36 50.6	2.513	3.279	12.4	19.5
12 13	7 49.53	+37 17.4	2.448	3.301	9.9	19.4
12 23	7 41.05	+37 38.2	2.407	3.322	7.3	19.2
1 2	7 30.92	+37 48.4	2.393	3.344	5.1	19.1
1 12	7 20.17	+37 44.6	2.409	3.365	4.6	19.1
1 22	7 9.89	+37 26.2	2.455	3.386	6.3	19.3
2 1	7 1.06	+36 54.4	2.529	3.407	8.8	19.5
2 11	6 54.42	+36 12.7	2.629	3.427	11.1	19.7

468356 2016 EP_{145} 1 10.1 188.°08 3.°5/11.8 17

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 46.29	+ 7 57.8	3.012	3.742	11.3	22.6
12 13	7 41.82	+ 7 52.0	2.913	3.742	9.3	22.4
12 23	7 35.77	+ 7 56.0	2.838	3.740	6.9	22.2
1 2	7 28.54	+ 8 10.1	2.790	3.738	4.6	22.1
1 12	7 20.72	+ 8 33.5	2.773	3.736	3.5	22.0
1 22	7 12.96	+ 9 4.8	2.786	3.733	4.7	22.1
2 1	7 5.93	+ 9 42.0	2.829	3.730	7.0	22.2
2 11	7 0.21	+10 22.7	2.899	3.726	9.4	22.4

461054 2014 XR_{25} 1 10.1 256.°06 0.°2/10.1 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 50.25	+21 20.4	2.061	2.842	14.3	21.2
12 13	7 45.81	+21 19.5	1.969	2.838	11.2	21.0
12 23	7 38.90	+21 22.9	1.899	2.834	7.6	20.8
1 2	7 30.10	+21 28.7	1.856	2.829	3.5	20.5
1 12	7 20.34	+21 34.4	1.842	2.825	0.8	20.3
1 22	7 10.74	+21 38.3	1.857	2.820	5.1	20.6
2 1	7 2.40	+21 39.4	1.901	2.815	9.1	20.9
2 11	6 56.18	+21 37.6	1.970	2.811	12.6	21.1

237498 2000 QC_{85} 1 10.1 106.°30 2.°5/10.7 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 53.81	+15 52.1	1.673	2.451	17.2	20.6
12 13	7 48.82	+15 38.0	1.601	2.465	13.6	20.4
12 23	7 40.99	+15 33.5	1.550	2.479	9.5	20.1
1 2	7 31.04	+15 37.7	1.524	2.492	5.0	19.9
1 12	7 20.15	+15 48.6	1.526	2.505	2.5	19.8
1 22	7 9.64	+16 4.0	1.556	2.518	6.0	20.0
2 1	7 0.76	+16 21.7	1.614	2.530	10.3	20.3
2 11	6 54.46	+16 39.8	1.696	2.542	14.1	20.6

422135 2014 QF_{425} 1 10.1 68.°99 0.°9/10.4 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 52.46	+18 5.9	1.692	2.477	16.8	21.3
12 13	7 47.67	+18 20.5	1.631	2.501	13.1	21.1
12 23	7 40.13	+18 43.9	1.592	2.525	8.8	20.9
1 2	7 30.61	+19 13.5	1.577	2.550	4.2	20.7
1 12	7 20.27	+19 45.5	1.592	2.574	1.2	20.5
1 22	7 10.40	+20 16.5	1.635	2.598	5.6	20.9
2 1	7 2.18	+20 44.0	1.705	2.622	9.8	21.2
2 11	6 56.46	+21 7.0	1.800	2.646	13.4	21.5

414246 2008 GN_{26} 1 10.1 60.°17 6.°8/ 7.7 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 54.79	+36 50.3	1.812	2.599	15.7	21.1
12 13	7 50.24	+38 5.2	1.740	2.604	12.7	20.9
12 23	7 42.35	+39 16.2	1.690	2.608	9.7	20.8
1 2	7 31.81	+40 14.5	1.665	2.612	7.3	20.6
1 12	7 19.95	+40 52.5	1.668	2.617	7.1	20.6
1 22	7 8.38	+41 6.3	1.698	2.621	9.2	20.8
2 1	6 58.68	+40 56.7	1.753	2.626	12.2	20.9
2 11	6 51.97	+40 28.3	1.830	2.630	15.1	21.2

358685 2007 YY_{53} 1 10.1 178.°18 1.°7/10.7 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 50.26	+15 26.8	1.859	2.635	15.8	20.9
12 13	7 46.03	+15 43.9	1.771	2.635	12.5	20.7
12 23	7 39.18	+16 12.4	1.706	2.636	8.7	20.5
1 2	7 30.28	+16 50.3	1.666	2.636	4.4	20.2
1 12	7 20.32	+17 34.6	1.655	2.636	1.8	20.0
1 22	7 10.49	+18 21.2	1.673	2.636	5.5	20.3
2 1	7 1.97	+19 6.6	1.719	2.636	9.7	20.5
2 11	6 55.73	+19 48.4	1.790	2.635	13.5	20.7

18011 1999 JQ_{113} 1 10.1 115.°69 0.°4/10.3 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 47.91	+19 37.8	2.735	3.501	11.5	19.5
12 13	7 43.23	+19 49.4	2.654	3.515	9.0	19.4
12 23	7 36.76	+20 5.5	2.597	3.528	6.0	19.2
1 2	7 29.00	+20 24.5	2.569	3.541	2.8	19.0
1 12	7 20.66	+20 44.3	2.571	3.553	0.7	18.8
1 22	7 12.50	+21 3.2	2.604	3.566	3.9	19.1
2 1	7 5.28	+21 19.7	2.667	3.578	7.0	19.3
2 11	6 59.62	+21 33.3	2.757	3.589	9.7	19.5

406080 2006 UU_{135} 1 10.1 100.°34 1.°8/10.7 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 52.36	+16 11.3	1.926	2.697	15.5	21.9
12 13	7 47.31	+16 12.5	1.855	2.716	12.2	21.7
12 23	7 39.78	+16 22.6	1.806	2.734	8.4	21.5
1 2	7 30.45	+16 40.0	1.783	2.752	4.3	21.3
1 12	7 20.32	+17 2.2	1.789	2.770	1.9	21.2
1 22	7 10.55	+17 26.8	1.825	2.787	5.3	21.5
2 1	7 2.19	+17 51.3	1.890	2.804	9.1	21.7
2 11	6 56.06	+18 14.4	1.979	2.821	12.5	22.0

19529 1999 GQ_{15} 1 10.1 129.°49 0.°8/10.3 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 54.67	+18 42.3	1.988	2.757	15.1	19.1
12 13	7 49.10	+18 50.4	1.912	2.774	11.9	18.9
12 23	7 40.99	+19 5.4	1.859	2.789	8.0	18.7
1 2	7 31.01	+19 25.0	1.832	2.804	3.8	18.5
1 12	7 20.19	+19 46.3	1.836	2.818	1.1	18.3
1 22	7 9.70	+20 6.8	1.869	2.831	5.1	18.6
2 1	7 0.64	+20 24.7	1.932	2.844	9.1	18.9
2 11	6 53.84	+20 39.4	2.020	2.856	12.5	19.2

258549 2002 CU_{39} 1 10.1 337.°21 5.°0/10.9 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 46.16	+13 15.0	1.477	2.272	18.3	19.7
12 13	7 43.53	+12 18.9	1.386	2.257	14.9	19.4
12 23	7 37.89	+11 32.0	1.315	2.242	10.9	19.1
1 2	7 29.82	+10 56.8	1.266	2.229	6.9	18.9
1 12	7 20.44	+10 35.1	1.244	2.216	5.1	18.7
1 22	7 11.14	+10 26.9	1.247	2.205	7.8	18.9
2 1	7 3.33	+10 30.8	1.275	2.194	12.1	19.1
2 11	6 58.17	+10 44.1	1.324	2.185	16.3	19.3

492520 2014 OS_{45} 1 10.1 293.°65 0.°2/10.0 17

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 51.55	+21 51.0	1.484	2.286	17.9	22.4
12 13	7 48.03	+21 55.9	1.390	2.270	14.2	22.1
12 23	7 41.12	+22 7.4	1.315	2.255	9.7	21.8
1 2	7 31.39	+22 22.5	1.265	2.239	4.5	21.5
1 12	7 20.06	+22 37.2	1.241	2.224	1.1	21.2
1 22	7 8.73	+22 48.1	1.244	2.209	6.8	21.5
2 1	6 59.09	+22 53.4	1.273	2.194	12.1	21.8
2 11	6 52.44	+22 53.4	1.324	2.179	16.7	22.0

386909 2011 HG_{73} 1 10.1 121.°48 0.°2/10.2 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 48.24	+18 58.7	2.452	3.223	12.6	20.9
12 13	7 43.78	+19 28.2	2.368	3.231	9.8	20.8
12 23	7 37.30	+20 4.2	2.307	3.239	6.6	20.6
1 2	7 29.32	+20 44.4	2.274	3.247	3.1	20.4
1 12	7 20.60	+21 25.7	2.272	3.255	0.7	20.2
1 22	7 12.03	+22 5.2	2.300	3.262	4.3	20.5
2 1	7 4.47	+22 40.8	2.358	3.270	7.7	20.7
2 11	6 58.63	+23 11.1	2.442	3.277	10.7	20.9

8077 Hoyle 1 10.1 316.°39 5.°6/12.6 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 45.72	+ 5 20.7	1.593	2.360	18.4	16.7
12 13	7 43.13	+ 5 36.6	1.489	2.337	15.4	16.5
12 23	7 37.69	+ 6 16.3	1.404	2.316	11.7	16.2
1 2	7 29.80	+ 7 21.9	1.341	2.294	7.9	15.9
1 12	7 20.43	+ 8 52.1	1.305	2.274	5.7	15.7
1 22	7 10.84	+10 41.1	1.296	2.254	7.6	15.8
2 1	7 2.45	+12 40.6	1.314	2.234	11.8	16.0
2 11	6 56.51	+14 41.8	1.355	2.215	16.0	16.2

87749 2000 SU_{72} 1 10.1 86.°02 4.°9/ 8.5 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 54.64	+33 21.6	1.954	2.739	14.8	19.5
12 13	7 49.54	+34 17.1	1.888	2.754	11.8	19.3
12 23	7 41.53	+35 10.0	1.843	2.769	8.5	19.1
1 2	7 31.33	+35 53.5	1.826	2.784	5.6	19.0
1 12	7 20.14	+36 22.0	1.836	2.798	5.1	19.0
1 22	7 9.35	+36 32.6	1.875	2.813	7.4	19.2
2 1	7 0.23	+36 25.9	1.941	2.828	10.5	19.4
2 11	6 53.74	+36 5.3	2.031	2.842	13.5	19.6

235653 2004 RC_{155} 1 10.1 193.°55 2.°6/10.8 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 53.57	+15 13.0	1.888	2.656	15.9	21.8
12 13	7 48.56	+14 59.2	1.796	2.654	12.7	21.5
12 23	7 40.86	+14 54.4	1.726	2.652	8.9	21.3
1 2	7 31.06	+14 57.9	1.683	2.649	4.9	21.1
1 12	7 20.19	+15 8.5	1.667	2.646	2.6	20.9
1 22	7 9.46	+15 24.0	1.682	2.642	5.8	21.1
2 1	7 0.09	+15 42.4	1.724	2.637	10.0	21.3
2 11	6 53.03	+16 1.9	1.792	2.632	13.7	21.6

492695 2014 PZ_{57} 1 10.1 131.°14 2.°0/10.8 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 51.52	+14 42.2	1.883	2.654	15.8	21.7
12 13	7 46.87	+14 56.6	1.803	2.663	12.5	21.5
12 23	7 39.65	+15 22.3	1.744	2.672	8.7	21.2
1 2	7 30.48	+15 57.7	1.712	2.680	4.5	21.0
1 12	7 20.35	+16 39.6	1.708	2.688	2.1	20.9
1 22	7 10.43	+17 24.4	1.733	2.696	5.5	21.1
2 1	7 1.87	+18 8.6	1.787	2.703	9.5	21.3
2 11	6 55.57	+18 49.9	1.866	2.710	13.1	21.6

358080 2006 JW_{11} 1 10.1 205.°92 4.°0/11.3 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 50.83	+11 5.4	1.858	2.622	16.3	21.8
12 13	7 46.46	+10 52.6	1.767	2.619	13.2	21.6
12 23	7 39.47	+10 52.6	1.697	2.616	9.6	21.4
1 2	7 30.44	+11 5.7	1.652	2.612	5.9	21.1
1 12	7 20.34	+11 31.0	1.635	2.608	4.0	21.0
1 22	7 10.34	+12 5.7	1.647	2.604	6.4	21.1
2 1	7 1.62	+12 46.7	1.686	2.599	10.2	21.4
2 11	6 55.13	+13 30.5	1.750	2.594	13.8	21.6

273398 2006 VE_{107} 1 10.1 32.°41 0.°2/10.1 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 51.06	+22 21.8	1.508	2.311	17.7	20.2
12 13	7 47.16	+22 19.6	1.438	2.319	13.8	20.0
12 23	7 40.14	+22 22.4	1.388	2.328	9.3	19.8
1 2	7 30.75	+22 27.3	1.363	2.337	4.3	19.5
1 12	7 20.30	+22 31.2	1.364	2.347	1.0	19.3
1 22	7 10.27	+22 31.7	1.393	2.357	6.2	19.7
2 1	7 2.06	+22 28.1	1.447	2.368	10.9	20.0
2 11	6 56.66	+22 20.9	1.525	2.379	14.9	20.2

413565 2005 TY_{55} 1 10.1 50.°49 2.°6/10.9 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 49.24	+14 14.1	1.649	2.433	17.2	20.6
12 13	7 45.33	+14 17.8	1.581	2.448	13.6	20.4
12 23	7 38.69	+14 33.9	1.533	2.463	9.5	20.2
1 2	7 30.03	+15 1.2	1.511	2.479	5.1	20.0
1 12	7 20.47	+15 36.7	1.515	2.495	2.6	19.9
1 22	7 11.25	+16 16.8	1.548	2.511	5.9	20.1
2 1	7 3.58	+16 57.8	1.608	2.527	10.1	20.4
2 11	6 58.33	+17 36.8	1.692	2.544	13.7	20.7

429033 Günterwendt 1 10.1 178.°35 0.°0/10.0 17

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 49.07	+22 13.0	2.951	3.715	10.8	21.9
12 13	7 44.06	+22 11.6	2.856	3.717	8.4	21.7
12 23	7 37.31	+22 12.3	2.786	3.717	5.7	21.5
1 2	7 29.28	+22 13.7	2.745	3.718	2.6	21.3
1 12	7 20.65	+22 14.3	2.735	3.718	0.6	21.2
1 22	7 12.16	+22 12.9	2.757	3.718	3.8	21.4
2 1	7 4.54	+22 9.0	2.809	3.717	6.8	21.6
2 11	6 58.43	+22 2.8	2.888	3.716	9.4	21.8

73684 1990 SV 1 10.1 90.°67 1.°3/ 9.8 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 57.25	+24 44.0	1.901	2.678	15.5	19.8
12 13	7 51.10	+24 59.6	1.841	2.708	12.0	19.6
12 23	7 42.27	+25 17.3	1.804	2.737	8.0	19.4
1 2	7 31.56	+25 33.2	1.793	2.766	3.7	19.2
1 12	7 20.14	+25 43.9	1.812	2.794	1.6	19.1
1 22	7 9.28	+25 47.4	1.862	2.821	5.5	19.4
2 1	7 0.12	+25 43.8	1.939	2.848	9.3	19.7
2 11	6 53.47	+25 34.3	2.042	2.874	12.6	20.0

84911 2003 UH_{190} 1 10.1 29.°44 3.°5/ 8.3 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 49.28	+25 37.6	1.784	2.582	15.5	18.3
12 13	7 45.63	+27 11.9	1.714	2.592	12.1	18.1
12 23	7 39.11	+28 53.0	1.666	2.603	8.3	17.9
1 2	7 30.33	+30 33.1	1.646	2.615	4.6	17.7
1 12	7 20.38	+32 4.1	1.654	2.627	3.9	17.7
1 22	7 10.59	+33 19.4	1.691	2.640	7.1	17.9
2 1	7 2.29	+34 15.8	1.756	2.653	10.8	18.1
2 11	6 56.52	+34 54.0	1.843	2.667	14.1	18.4

165399 2000 XK_{28} 1 10.1 50.°34 9.°0/ 7.2 17

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 58.06	+35 55.1	1.274	2.082	20.0	19.7
12 13	7 53.84	+38 0.1	1.232	2.107	16.1	19.5
12 23	7 45.24	+40 0.0	1.211	2.133	12.2	19.4
1 2	7 33.23	+41 40.6	1.213	2.159	9.4	19.3
1 12	7 19.72	+42 49.9	1.240	2.186	9.3	19.4
1 22	7 6.98	+43 23.1	1.292	2.213	11.8	19.6
2 1	6 57.03	+43 23.1	1.367	2.240	15.0	19.9
2 11	6 51.12	+42 58.1	1.462	2.268	18.0	20.1

491062 2011 QX_{72} 1 10.1 119.°42 1.°4/ 9.7 15

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 57.64	+24 56.7	1.908	2.684	15.4	22.2
12 13	7 51.55	+25 14.0	1.838	2.704	12.0	22.0
12 23	7 42.69	+25 33.5	1.790	2.724	8.1	21.8
1 2	7 31.81	+25 51.2	1.770	2.742	3.8	21.6
1 12	7 20.07	+26 3.4	1.779	2.760	1.7	21.5
1 22	7 8.78	+26 7.8	1.818	2.777	5.6	21.8
2 1	6 59.16	+26 4.3	1.886	2.793	9.6	22.0
2 11	6 52.09	+25 54.4	1.979	2.809	13.0	22.3

186909 2004 LC_{24} 1 10.1 259.°39 2.°5/10.9 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 49.53	+14 52.8	1.987	2.759	15.1	20.9
12 13	7 45.39	+14 45.6	1.887	2.747	12.1	20.7
12 23	7 38.75	+14 47.7	1.809	2.736	8.5	20.5
1 2	7 30.13	+14 58.8	1.757	2.724	4.7	20.2
1 12	7 20.44	+15 17.2	1.733	2.712	2.5	20.0
1 22	7 10.76	+15 40.7	1.738	2.700	5.6	20.2
2 1	7 2.25	+16 7.1	1.772	2.687	9.6	20.4
2 11	6 55.84	+16 34.0	1.830	2.675	13.3	20.6

496502 2014 US_{67} 1 10.1 200.°30 5.°3/11.6 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 49.80	+ 7 24.6	2.206	2.946	14.7	21.2
12 13	7 45.17	+ 6 44.4	2.112	2.944	12.1	21.0
12 23	7 38.35	+ 6 15.5	2.040	2.941	9.3	20.8
1 2	7 29.86	+ 6 0.0	1.994	2.938	6.5	20.6
1 12	7 20.53	+ 5 58.4	1.976	2.934	5.3	20.6
1 22	7 11.29	+ 6 10.0	1.987	2.930	6.7	20.6
2 1	7 3.11	+ 6 32.9	2.026	2.925	9.5	20.8
2 11	6 56.78	+ 7 3.9	2.091	2.920	12.4	21.0

400153 2006 VP_{12} 1 10.1 69.°10 4.°1/10.4 16

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	8 4.50	+16 16.7	1.711	2.466	17.8	20.5
12 13	7 56.43	+14 44.6	1.655	2.504	14.1	20.3
12 23	7 45.60	+13 18.0	1.622	2.541	9.9	20.1
1 2	7 32.97	+11 59.3	1.617	2.578	5.9	20.0
1 12	7 19.87	+10 51.2	1.643	2.614	4.2	19.9
1 22	7 7.65	+ 9 55.6	1.699	2.650	6.9	20.2
2 1	6 57.46	+ 9 13.2	1.785	2.685	10.5	20.5
2 11	6 50.03	+ 8 42.8	1.896	2.720	13.7	20.7

164473 2006 EV_1 1 10.1 137.°52 0.°6/ 9.9 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 54.82	+21 51.5	1.919	2.696	15.3	21.2
12 13	7 49.46	+22 16.0	1.841	2.708	12.0	21.0
12 23	7 41.39	+22 46.2	1.786	2.720	8.0	20.8
1 2	7 31.28	+23 18.3	1.757	2.730	3.7	20.6
1 12	7 20.21	+23 48.2	1.758	2.741	1.1	20.4
1 22	7 9.42	+24 12.9	1.789	2.750	5.5	20.7
2 1	7 0.13	+24 30.7	1.849	2.759	9.6	21.0
2 11	6 53.24	+24 41.7	1.933	2.767	13.1	21.2

58927 1998 MB_{10} 1 10.1 207.°52 6.°1/11.9 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 51.98	+ 6 51.9	1.686	2.440	18.0	19.8
12 13	7 47.62	+ 6 23.7	1.596	2.437	14.9	19.6
12 23	7 40.43	+ 6 11.9	1.526	2.433	11.4	19.3
1 2	7 30.96	+ 6 18.9	1.480	2.428	7.9	19.1
1 12	7 20.27	+ 6 44.9	1.460	2.423	6.1	19.0
1 22	7 9.66	+ 7 27.6	1.468	2.417	7.9	19.1
2 1	7 0.43	+ 8 22.5	1.503	2.411	11.5	19.3
2 11	6 53.66	+ 9 24.4	1.562	2.404	15.2	19.5

23636 1997 AJ_4 1 10.1 252.°59 0.°7/10.2 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 54.85	+20 53.6	1.570	2.360	17.6	18.1
12 13	7 50.34	+20 39.4	1.476	2.349	14.0	17.8
12 23	7 42.52	+20 30.4	1.402	2.338	9.6	17.5
1 2	7 32.01	+20 24.4	1.353	2.326	4.6	17.2
1 12	7 20.02	+20 19.1	1.331	2.313	1.2	16.9
1 22	7 8.13	+20 12.6	1.337	2.301	6.5	17.2
2 1	6 57.91	+20 4.2	1.370	2.288	11.6	17.5
2 11	6 50.60	+19 54.5	1.426	2.275	16.1	17.7

83633 2001 SF_{322} 1 10.1 196.°95 2.°7/11.4 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 46.38	+11 34.6	2.569	3.322	12.5	19.9
12 13	7 42.26	+11 42.6	2.474	3.320	10.1	19.7
12 23	7 36.28	+12 0.8	2.402	3.319	7.2	19.5
1 2	7 28.89	+12 28.5	2.356	3.318	4.3	19.3
1 12	7 20.79	+13 4.2	2.341	3.316	2.7	19.2
1 22	7 12.75	+13 45.6	2.356	3.314	4.6	19.4
2 1	7 5.59	+14 30.0	2.401	3.312	7.6	19.5
2 11	6 59.97	+15 14.8	2.472	3.310	10.5	19.7

179327 2001 WY_{55} 1 10.1 118.°41 0.°8/ 9.8 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 52.70	+23 8.5	2.101	2.879	14.2	21.5
12 13	7 47.57	+23 28.2	2.025	2.892	11.0	21.3
12 23	7 39.99	+23 51.7	1.971	2.905	7.4	21.1
1 2	7 30.60	+24 15.7	1.945	2.918	3.4	20.9
1 12	7 20.40	+24 36.8	1.948	2.931	1.2	20.8
1 22	7 10.48	+24 52.5	1.982	2.942	5.1	21.1
2 1	7 1.92	+25 1.9	2.044	2.954	8.8	21.3
2 11	6 55.53	+25 5.3	2.132	2.965	12.1	21.5

7848 Bernasconi 1 10.1 194.°23 0.°8/ 9.8 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 53.18	+23 37.6	2.278	3.050	13.4	19.2
12 13	7 47.91	+23 52.1	2.183	3.048	10.5	19.0
12 23	7 40.26	+24 9.7	2.112	3.045	7.1	18.8
1 2	7 30.77	+24 27.4	2.069	3.042	3.3	18.5
1 12	7 20.35	+24 42.2	2.056	3.038	1.2	18.4
1 22	7 10.07	+24 51.9	2.074	3.033	5.0	18.6
2 1	7 0.98	+24 55.6	2.121	3.028	8.7	18.8
2 11	6 53.93	+24 53.6	2.193	3.023	11.9	19.0

194091 2001 SH_{182} 1 10.1 122.°98 0.°7/10.3 17

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 55.33	+18 54.1	1.708	2.488	16.8	21.8
12 13	7 50.08	+19 8.1	1.635	2.502	13.2	21.6
12 23	7 41.92	+19 30.5	1.583	2.517	8.9	21.4
1 2	7 31.56	+19 58.3	1.558	2.530	4.2	21.2
1 12	7 20.19	+20 27.7	1.560	2.543	1.1	21.0
1 22	7 9.18	+20 55.4	1.592	2.555	5.7	21.3
2 1	6 59.84	+21 18.9	1.652	2.567	10.2	21.6
2 11	6 53.11	+21 37.7	1.737	2.578	14.0	21.9

445898 2012 VD_{81} 1 10.1 40.°74 5.°3/11.7 17

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 50.01	+ 9 57.5	1.286	2.076	20.8	21.5
12 13	7 46.73	+ 9 38.6	1.216	2.083	16.9	21.2
12 23	7 40.11	+ 9 38.5	1.165	2.090	12.4	21.0
1 2	7 30.87	+ 9 58.6	1.136	2.097	7.8	20.7
1 12	7 20.35	+10 37.2	1.132	2.105	5.3	20.6
1 22	7 10.16	+11 29.8	1.153	2.113	8.0	20.8
2 1	7 1.84	+12 30.5	1.199	2.121	12.5	21.1
2 11	6 56.53	+13 33.2	1.267	2.130	16.8	21.3

62736 2000 TZ_{60} 1 10.1 96.°03 0.°8/10.4 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 55.17	+16 45.4	1.744	2.518	16.8	19.7
12 13	7 49.76	+17 21.1	1.680	2.544	13.1	19.5
12 23	7 41.58	+18 7.7	1.638	2.570	8.9	19.3
1 2	7 31.36	+19 1.5	1.623	2.594	4.2	19.1
1 12	7 20.26	+19 57.6	1.636	2.619	1.1	18.9
1 22	7 9.58	+20 51.4	1.679	2.642	5.5	19.3
2 1	7 0.54	+21 39.3	1.751	2.665	9.8	19.6
2 11	6 54.02	+22 19.9	1.848	2.687	13.3	19.9

397452 2007 EB_{197} 1 10.1 232.°17 3.°1/10.9 17

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 53.00	+13 44.9	1.826	2.594	16.3	22.6
12 13	7 48.36	+13 31.8	1.726	2.583	13.2	22.3
12 23	7 40.93	+13 29.3	1.647	2.570	9.4	22.1
1 2	7 31.22	+13 37.4	1.593	2.558	5.4	21.8
1 12	7 20.25	+13 54.8	1.567	2.544	3.2	21.6
1 22	7 9.27	+14 19.2	1.571	2.530	6.3	21.8
2 1	6 59.58	+14 48.1	1.602	2.516	10.5	22.0
2 11	6 52.25	+15 18.7	1.658	2.500	14.5	22.2

304845 2007 RO_{41} 1 10.1 134.°53 3.°8/ 8.9 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 56.78	+29 51.8	1.856	2.639	15.5	21.3
12 13	7 51.33	+30 37.6	1.782	2.650	12.2	21.1
12 23	7 42.83	+31 23.6	1.730	2.660	8.5	20.9
1 2	7 32.01	+32 3.5	1.704	2.670	4.9	20.7
1 12	7 20.10	+32 31.3	1.708	2.679	4.0	20.7
1 22	7 8.53	+32 44.0	1.740	2.688	7.0	20.9
2 1	6 58.67	+32 41.4	1.800	2.696	10.6	21.1
2 11	6 51.55	+32 26.5	1.884	2.704	13.9	21.3

116398 2003 YX_{132} 1 10.1 81.°96 2.°6/ 8.9 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 49.93	+27 7.7	2.236	3.020	13.2	19.4
12 13	7 45.48	+28 0.2	2.159	3.029	10.3	19.2
12 23	7 38.67	+28 55.1	2.105	3.038	7.0	19.0
1 2	7 30.05	+29 47.7	2.078	3.047	3.8	18.9
1 12	7 20.56	+30 33.1	2.082	3.057	2.9	18.8
1 22	7 11.24	+31 8.0	2.115	3.066	5.7	19.0
2 1	7 3.16	+31 30.9	2.176	3.075	8.9	19.2
2 11	6 57.13	+31 42.6	2.263	3.084	11.9	19.4

282508 2004 PZ_{112} 1 10.1 113.°72 1.°6/ 9.6 17

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 55.43	+23 7.3	1.682	2.469	16.7	21.2
12 13	7 50.37	+23 53.8	1.611	2.484	13.1	21.0
12 23	7 42.24	+24 46.7	1.562	2.498	8.8	20.8
1 2	7 31.76	+25 40.7	1.539	2.512	4.1	20.5
1 12	7 20.17	+26 29.7	1.545	2.526	2.0	20.4
1 22	7 8.93	+27 9.0	1.580	2.539	6.3	20.7
2 1	6 59.42	+27 36.6	1.642	2.552	10.6	21.0
2 11	6 52.67	+27 53.1	1.729	2.564	14.3	21.2

309291 2007 RP_{221} 1 10.1 43.°35 3.°0/10.9 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 50.55	+15 6.6	1.397	2.193	19.1	21.1
12 13	7 46.85	+14 51.6	1.331	2.205	15.2	20.9
12 23	7 39.99	+14 48.9	1.284	2.217	10.6	20.6
1 2	7 30.74	+14 57.9	1.261	2.230	5.7	20.4
1 12	7 20.41	+15 16.5	1.263	2.243	3.0	20.3
1 22	7 10.51	+15 41.4	1.293	2.256	6.7	20.5
2 1	7 2.44	+16 9.3	1.347	2.270	11.3	20.8
2 11	6 57.21	+16 37.5	1.425	2.284	15.5	21.1

341860 2008 FM_{117} 1 10.1 139.°09 5.°7/ 8.6 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 58.46	+32 15.6	1.442	2.241	18.5	21.4
12 13	7 53.72	+33 15.2	1.370	2.245	14.8	21.2
12 23	7 45.05	+34 14.2	1.319	2.249	10.6	20.9
1 2	7 33.22	+35 3.3	1.291	2.253	6.8	20.7
1 12	7 19.81	+35 33.7	1.290	2.257	6.0	20.7
1 22	7 6.82	+35 40.9	1.316	2.260	9.2	20.9
2 1	6 56.11	+35 25.9	1.367	2.264	13.3	21.1
2 11	6 49.00	+34 54.0	1.439	2.267	17.1	21.4

160120 2000 UU_7 1 10.1 107.°23 0.°6/ 9.9 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 56.12	+22 7.7	1.820	2.599	16.0	20.3
12 13	7 50.48	+22 30.4	1.753	2.621	12.4	20.2
12 23	7 42.05	+22 58.4	1.708	2.642	8.3	19.9
1 2	7 31.58	+23 27.6	1.689	2.663	3.8	19.7
1 12	7 20.23	+23 54.1	1.700	2.683	1.2	19.6
1 22	7 9.32	+24 14.8	1.741	2.702	5.6	19.9
2 1	7 0.07	+24 28.4	1.810	2.721	9.7	20.2
2 11	6 53.36	+24 35.5	1.903	2.739	13.2	20.5

345631 2006 SU_{311} 1 10.1 243.°78 6.°3/12.6 17

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 45.66	+ 0 31.2	2.810	3.513	12.6	21.5
12 13	7 41.55	− 0 8.2	2.706	3.501	10.8	21.4
12 23	7 35.76	− 0 35.1	2.623	3.489	8.8	21.2
1 2	7 28.67	− 0 47.2	2.565	3.477	7.1	21.1
1 12	7 20.89	− 0 43.4	2.536	3.464	6.3	21.0
1 22	7 13.13	− 0 24.0	2.535	3.451	6.9	21.0
2 1	7 6.09	+ 0 9.1	2.562	3.438	8.7	21.1
2 11	7 0.41	+ 0 52.8	2.615	3.425	10.8	21.2

9602 Oya 1 10.1 118.°83 1.°3/ 9.8 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 56.83	+23 59.2	1.670	2.457	16.9	18.3
12 13	7 51.41	+24 21.3	1.599	2.471	13.2	18.1
12 23	7 42.89	+24 47.7	1.550	2.485	8.9	17.8
1 2	7 32.03	+25 13.7	1.526	2.499	4.1	17.6
1 12	7 20.12	+25 34.7	1.531	2.512	1.7	17.4
1 22	7 8.65	+25 47.6	1.565	2.525	6.2	17.8
2 1	6 58.99	+25 51.8	1.626	2.537	10.6	18.0
2 11	6 52.14	+25 48.4	1.711	2.549	14.3	18.3

493118 2014 TM_{24} 1 10.1 125.°61 7.°3/12.7 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 49.94	+ 1 22.0	2.145	2.862	15.7	21.9
12 13	7 45.20	+ 0 35.1	2.068	2.874	13.3	21.7
12 23	7 38.32	+ 0 4.2	2.011	2.886	10.7	21.6
1 2	7 29.85	− 0 7.8	1.978	2.897	8.4	21.5
1 12	7 20.64	+ 0 0.0	1.973	2.908	7.3	21.4
1 22	7 11.65	+ 0 26.5	1.995	2.919	8.1	21.5
2 1	7 3.78	+ 1 8.4	2.045	2.929	10.2	21.6
2 11	6 57.80	+ 2 1.3	2.120	2.939	12.7	21.8

165775 2001 QE_{262} 1 10.1 109.°66 4.°6/11.9 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 47.28	+ 6 46.2	2.612	3.344	12.8	20.8
12 13	7 42.75	+ 6 17.3	2.532	3.358	10.5	20.6
12 23	7 36.48	+ 5 59.2	2.474	3.371	8.0	20.5
1 2	7 28.95	+ 5 53.1	2.443	3.384	5.7	20.3
1 12	7 20.86	+ 5 58.9	2.441	3.397	4.6	20.3
1 22	7 12.95	+ 6 15.4	2.468	3.410	5.7	20.4
2 1	7 5.95	+ 6 40.7	2.525	3.422	7.9	20.5
2 11	7 0.47	+ 7 12.2	2.607	3.434	10.3	20.7

502221 2015 BB_{88} 1 10.1 295.°77 0.°5/10.3 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 47.68	+19 48.9	2.185	2.965	13.6	21.3
12 13	7 43.81	+19 56.2	2.083	2.951	10.7	21.1
12 23	7 37.63	+20 9.4	2.003	2.937	7.3	20.9
1 2	7 29.64	+20 26.8	1.950	2.923	3.4	20.6
1 12	7 20.67	+20 45.9	1.927	2.909	0.9	20.4
1 22	7 11.72	+21 4.5	1.932	2.896	4.9	20.7
2 1	7 3.84	+21 20.6	1.967	2.882	8.8	20.9
2 11	6 57.88	+21 33.6	2.026	2.869	12.2	21.1

379023 2008 VW_{35} 1 10.1 222.°47 1.°9/10.7 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 49.19	+16 47.2	2.380	3.146	13.0	21.3
12 13	7 44.60	+16 26.9	2.284	3.142	10.4	21.1
12 23	7 37.93	+16 12.0	2.212	3.138	7.2	20.9
1 2	7 29.69	+16 2.4	2.167	3.135	3.8	20.7
1 12	7 20.68	+15 57.1	2.151	3.131	2.0	20.6
1 22	7 11.80	+15 55.2	2.166	3.126	4.7	20.8
2 1	7 3.95	+15 55.8	2.210	3.122	8.1	21.0
2 11	6 57.86	+15 58.0	2.280	3.118	11.2	21.2

493663 2015 RW_{96} 1 10.1 64.°46 2.°2/ 9.6 15

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 56.88	+24 53.5	1.309	2.114	19.7	21.6
12 13	7 52.04	+25 26.0	1.257	2.139	15.3	21.4
12 23	7 43.54	+26 3.0	1.224	2.163	10.3	21.2
1 2	7 32.35	+26 38.1	1.215	2.188	4.9	20.9
1 12	7 20.10	+27 5.1	1.232	2.213	2.6	20.9
1 22	7 8.60	+27 20.3	1.276	2.237	7.2	21.2
2 1	6 59.44	+27 23.5	1.346	2.262	12.0	21.5
2 11	6 53.65	+27 16.9	1.438	2.286	16.0	21.9

296897 2010 CH_3 1 10.1 291.°13 2.°2/ 9.6 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 52.89	+25 27.5	1.435	2.241	18.2	20.6
12 13	7 49.38	+25 50.4	1.343	2.226	14.5	20.3
12 23	7 42.23	+26 18.2	1.271	2.211	9.9	20.0
1 2	7 32.03	+26 45.7	1.223	2.196	4.9	19.7
1 12	7 20.10	+27 7.0	1.200	2.181	2.6	19.5
1 22	7 8.17	+27 17.4	1.205	2.166	7.5	19.7
2 1	6 58.08	+27 15.9	1.235	2.151	12.7	20.0
2 11	6 51.23	+27 4.0	1.286	2.137	17.3	20.2

152190 2005 QZ_{56} 1 10.1 62.°72 3.°2/11.2 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 51.66	+12 49.4	1.699	2.472	17.2	19.9
12 13	7 46.95	+12 44.6	1.641	2.500	13.6	19.7
12 23	7 39.63	+12 52.5	1.603	2.528	9.6	19.6
1 2	7 30.45	+13 12.2	1.591	2.555	5.4	19.4
1 12	7 20.54	+13 41.2	1.606	2.583	3.2	19.3
1 22	7 11.10	+14 16.2	1.650	2.611	5.9	19.5
2 1	7 3.25	+14 54.0	1.722	2.638	9.7	19.8
2 11	6 57.78	+15 31.4	1.818	2.666	13.2	20.1

203586 2002 CA_{242} 1 10.1 309.°76 0.°0/ 9.9 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 50.69	+21 41.0	1.437	2.242	18.2	20.4
12 13	7 47.46	+21 39.7	1.345	2.228	14.5	20.1
12 23	7 40.81	+21 44.7	1.273	2.213	9.9	19.8
1 2	7 31.33	+21 53.4	1.225	2.199	4.6	19.5
1 12	7 20.28	+22 2.2	1.203	2.186	1.1	19.2
1 22	7 9.28	+22 8.1	1.208	2.173	6.8	19.5
2 1	7 0.01	+22 9.5	1.238	2.160	12.1	19.8
2 11	6 53.76	+22 6.6	1.289	2.148	16.8	20.0

176863 2002 TL_{295} 1 10.1 47.°53 7.°4/ 9.1 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 59.75	+38 39.6	1.449	2.243	18.6	19.2
12 13	7 54.48	+39 20.2	1.396	2.263	15.1	19.0
12 23	7 45.24	+39 51.1	1.363	2.283	11.4	18.9
1 2	7 33.12	+40 3.2	1.354	2.304	8.3	18.7
1 12	7 19.95	+39 50.1	1.370	2.325	7.6	18.8
1 22	7 7.73	+39 11.4	1.413	2.347	9.8	18.9
2 1	6 58.15	+38 11.7	1.480	2.368	13.1	19.2
2 11	6 52.21	+36 58.8	1.569	2.390	16.2	19.4

422118 2014 QB_{415} 1 10.1 195.°44 2.°8/ 9.3 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 55.50	+28 22.3	1.948	2.730	15.0	22.2
12 13	7 50.28	+28 49.8	1.860	2.728	11.8	21.9
12 23	7 42.15	+29 18.0	1.794	2.726	8.1	21.7
1 2	7 31.75	+29 42.0	1.754	2.724	4.3	21.5
1 12	7 20.22	+29 57.1	1.744	2.721	3.1	21.4
1 22	7 8.88	+30 0.4	1.763	2.717	6.3	21.6
2 1	6 59.06	+29 51.8	1.810	2.713	10.2	21.8
2 11	6 51.80	+29 33.4	1.882	2.708	13.7	22.0

403665 2010 TP_{157} 1 10.1 118.°29 2.°6/11.1 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 51.79	+13 34.9	2.053	2.815	15.0	22.2
12 13	7 46.78	+13 33.1	1.977	2.830	11.9	22.1
12 23	7 39.44	+13 41.4	1.923	2.846	8.4	21.9
1 2	7 30.39	+13 59.0	1.895	2.860	4.7	21.7
1 12	7 20.56	+14 24.1	1.897	2.874	2.7	21.6
1 22	7 10.99	+14 53.9	1.929	2.888	5.3	21.8
2 1	7 2.71	+15 26.0	1.989	2.901	8.9	22.0
2 11	6 56.49	+15 58.1	2.075	2.914	12.1	22.2

221232 2005 UZ_{176} 1 10.1 153.°79 2.°1/ 9.4 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 52.11	+26 21.7	2.105	2.887	14.0	20.8
12 13	7 47.32	+26 51.8	2.021	2.890	10.9	20.6
12 23	7 39.98	+27 24.2	1.960	2.894	7.4	20.4
1 2	7 30.70	+27 54.5	1.926	2.897	3.7	20.2
1 12	7 20.47	+28 18.8	1.921	2.900	2.3	20.1
1 22	7 10.44	+28 34.2	1.946	2.902	5.6	20.3
2 1	7 1.74	+28 39.9	1.999	2.905	9.3	20.5
2 11	6 55.26	+28 36.9	2.078	2.907	12.5	20.7

375061 2007 PM_{50} 1 10.1 35.°26 4.°0/11.8 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 46.33	+ 9 25.4	1.933	2.697	15.7	20.3
12 13	7 42.75	+ 9 27.1	1.855	2.706	12.7	20.2
12 23	7 36.86	+ 9 43.3	1.799	2.715	9.3	20.0
1 2	7 29.25	+10 13.9	1.767	2.725	5.8	19.8
1 12	7 20.82	+10 57.2	1.763	2.735	4.0	19.7
1 22	7 12.58	+11 49.5	1.788	2.745	5.9	19.8
2 1	7 5.55	+12 47.0	1.840	2.755	9.3	20.0
2 11	7 0.51	+13 45.5	1.917	2.766	12.5	20.3

460584 2014 UR_{17} 1 10.1 73.°38 3.°9/ 8.9 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 53.44	+30 15.1	1.825	2.616	15.5	21.3
12 13	7 48.78	+30 59.4	1.754	2.627	12.2	21.1
12 23	7 41.16	+31 43.4	1.705	2.637	8.5	20.9
1 2	7 31.28	+32 21.1	1.682	2.648	5.0	20.8
1 12	7 20.37	+32 46.9	1.687	2.658	4.1	20.7
1 22	7 9.81	+32 57.8	1.720	2.669	7.0	20.9
2 1	7 0.93	+32 53.8	1.780	2.679	10.6	21.2
2 11	6 54.71	+32 37.5	1.864	2.690	13.9	21.4

156068 2001 ST_{82} 1 10.1 78.°28 2.°4/10.8 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 53.88	+15 47.9	1.433	2.222	19.1	20.5
12 13	7 49.35	+15 41.8	1.368	2.239	15.1	20.3
12 23	7 41.62	+15 47.6	1.323	2.255	10.4	20.0
1 2	7 31.50	+16 3.7	1.302	2.272	5.4	19.8
1 12	7 20.33	+16 27.4	1.308	2.288	2.5	19.7
1 22	7 9.64	+16 54.9	1.341	2.305	6.5	19.9
2 1	7 0.85	+17 23.3	1.401	2.321	11.2	20.3
2 11	6 54.96	+17 50.3	1.483	2.337	15.3	20.5

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
363146	2001 RU_{85}		1 10.1	60.°86	2.°6/11.1	18
	h m	° ′			°	m
12 3	7 48.22	+13 43.7	2.146	2.913	14.3	20.4
12 13	7 43.86	+13 38.6	2.077	2.933	11.3	20.2
12 23	7 37.40	+13 42.8	2.031	2.954	7.9	20.1
1 2	7 29.43	+13 55.9	2.011	2.976	4.4	19.9
1 12	7 20.82	+14 16.1	2.020	2.997	2.6	19.8
1 22	7 12.52	+14 41.1	2.058	3.018	5.0	20.0
2 1	7 5.39	+15 8.7	2.125	3.039	8.3	20.2
2 11	7 0.15	+15 36.8	2.218	3.061	11.3	20.5
427075	2014 UR_{23}		1 10.1	59.°12	1.°3/10.6	18
12 3	7 49.46	+16 46.3	1.793	2.577	16.0	21.0
12 13	7 45.45	+17 2.0	1.717	2.586	12.6	20.8
12 23	7 38.81	+17 27.9	1.663	2.596	8.6	20.6
1 2	7 30.20	+18 1.7	1.634	2.606	4.2	20.3
1 12	7 20.63	+18 40.1	1.633	2.615	1.5	20.1
1 22	7 11.32	+19 19.3	1.662	2.626	5.4	20.4
2 1	7 3.42	+19 56.5	1.717	2.636	9.6	20.7
2 11	6 57.83	+20 29.5	1.797	2.646	13.3	21.0
199826	2007 DB_{105}		1 10.1	161.°03	0.°9/ 9.9	18
12 3	7 56.63	+23 7.1	1.953	2.727	15.2	22.1
12 13	7 50.93	+23 25.9	1.869	2.735	11.9	21.9
12 23	7 42.46	+23 49.0	1.808	2.741	8.0	21.6
1 2	7 31.87	+24 12.7	1.775	2.747	3.7	21.4
1 12	7 20.26	+24 33.0	1.770	2.752	1.3	21.2
1 22	7 8.90	+24 47.2	1.796	2.757	5.5	21.5
2 1	6 59.04	+24 54.3	1.851	2.760	9.6	21.8
2 11	6 51.63	+24 54.9	1.931	2.763	13.2	22.0
280433	2003 YV_{120}		1 10.1	21.°11	1.°2/ 9.7	18
12 3	7 47.67	+22 29.0	1.817	2.613	15.3	20.5
12 13	7 44.19	+23 9.7	1.741	2.619	12.0	20.3
12 23	7 38.05	+23 57.0	1.687	2.625	8.0	20.1
1 2	7 29.88	+24 46.7	1.658	2.632	3.7	19.8
1 12	7 20.71	+25 34.0	1.658	2.639	1.6	19.7
1 22	7 11.75	+26 14.5	1.686	2.647	5.7	20.0
2 1	7 4.20	+26 45.9	1.742	2.656	9.8	20.3
2 11	6 58.97	+27 7.8	1.821	2.665	13.3	20.5
76842	2000 TQ_{33}		1 10.1	127.°61	10.°6/ 9.9	18
12 3	8 16.37	+44 42.3	1.221	1.999	22.3	18.1
12 13	8 8.96	+45 13.9	1.157	2.006	18.8	17.9
12 23	7 55.77	+45 27.9	1.109	2.013	14.9	17.7
1 2	7 38.15	+45 9.4	1.083	2.020	11.6	17.5
1 12	7 18.89	+44 8.0	1.082	2.026	10.7	17.5
1 22	7 1.21	+42 25.1	1.106	2.032	12.8	17.6
2 1	6 47.69	+40 12.5	1.154	2.037	16.4	17.8
2 11	6 39.52	+37 46.6	1.224	2.042	20.1	18.1
490177	2008 UV_{269}		1 10.1	69.°18	0.°8/10.4	15
12 3	7 54.78	+18 43.9	1.389	2.185	19.2	22.1
12 13	7 50.12	+18 55.6	1.331	2.207	15.1	21.9
12 23	7 42.16	+19 17.2	1.293	2.230	10.2	21.7
1 2	7 31.75	+19 45.6	1.279	2.252	4.8	21.4
1 12	7 20.33	+20 16.1	1.291	2.274	1.2	21.2
1 22	7 9.51	+20 44.8	1.332	2.296	6.4	21.6
2 1	7 0.72	+21 9.2	1.398	2.318	11.2	21.9
2 11	6 54.95	+21 28.4	1.487	2.340	15.3	22.3
362563	2010 VG_{69}		1 10.1	89.°45	2.°5/ 9.4	17
12 3	7 57.18	+27 39.2	1.994	2.770	14.8	21.1
12 13	7 51.08	+28 11.1	1.935	2.801	11.5	21.0
12 23	7 42.33	+28 43.2	1.899	2.831	7.8	20.8
1 2	7 31.70	+29 10.8	1.890	2.860	4.0	20.6
1 12	7 20.35	+29 29.6	1.912	2.889	2.7	20.6
1 22	7 9.54	+29 37.5	1.963	2.917	5.8	20.8
2 1	7 0.38	+29 34.7	2.043	2.944	9.3	21.1
2 11	6 53.68	+29 23.2	2.147	2.971	12.4	21.4
337520	2001 SL_{158}		1 10.1	46.°35	12.°6/17.7	18
12 3	7 45.75	−15 52.6	2.162	2.786	17.9	20.4
12 13	7 42.03	−17 4.9	2.102	2.803	16.4	20.3
12 23	7 36.24	−17 51.5	2.058	2.820	14.8	20.2
1 2	7 28.95	−18 7.4	2.032	2.837	13.5	20.2
1 12	7 20.97	−17 50.0	2.028	2.855	12.7	20.2
1 22	7 13.23	−17 0.3	2.047	2.873	12.7	20.2
2 1	7 6.60	−15 42.5	2.087	2.891	13.3	20.3
2 11	7 1.79	−14 3.7	2.150	2.910	14.5	20.4
124193	2001 OS_{68}		1 10.1	195.°54	1.°2/10.4	18
12 3	7 55.23	+19 22.6	1.721	2.501	16.7	20.0
12 13	7 50.20	+19 8.5	1.633	2.500	13.2	19.7
12 23	7 42.19	+19 0.5	1.565	2.498	9.1	19.5
1 2	7 31.83	+18 56.9	1.524	2.495	4.4	19.2
1 12	7 20.29	+18 55.7	1.510	2.493	1.5	19.0
1 22	7 8.95	+18 55.2	1.526	2.489	6.0	19.3
2 1	6 59.19	+18 54.3	1.570	2.485	10.6	19.5
2 11	6 52.06	+18 52.8	1.637	2.481	14.6	19.8

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
362133	2009 DT_{60}		1 10.1	61.°21	0.°2/10.2	18
	h m	° ′			°	m
12 3	7 51.22	+19 1.0	1.560	2.354	17.5	21.1
12 13	7 47.31	+19 30.3	1.486	2.362	13.8	20.9
12 23	7 40.34	+20 9.9	1.432	2.369	9.3	20.7
1 2	7 31.00	+20 56.4	1.403	2.377	4.3	20.4
1 12	7 20.49	+21 44.6	1.402	2.385	1.0	20.2
1 22	7 10.24	+22 29.6	1.428	2.393	6.1	20.5
2 1	7 1.67	+23 8.1	1.482	2.401	10.8	20.8
2 11	6 55.81	+23 38.8	1.558	2.409	14.8	21.1
54508	2000 PD_4		1 10.1	34.°05	4.°5/12.1	18
12 3	7 48.06	+ 7 31.8	1.850	2.608	16.5	18.7
12 13	7 44.31	+ 7 43.4	1.764	2.609	13.5	18.5
12 23	7 38.08	+ 8 12.7	1.698	2.611	10.0	18.3
1 2	7 29.91	+ 8 59.8	1.658	2.613	6.5	18.1
1 12	7 20.74	+10 2.4	1.644	2.614	4.5	18.0
1 22	7 11.67	+11 16.2	1.660	2.616	6.4	18.1
2 1	7 3.82	+12 35.8	1.703	2.618	9.9	18.3
2 11	6 58.12	+13 55.6	1.772	2.620	13.4	18.5
446010	2013 CB_{40}		1 10.1	69.°82	11.°9/10.6	17
12 3	8 23.70	+51 22.3	1.463	2.204	20.9	20.1
12 13	8 13.51	+52 6.5	1.425	2.239	17.9	19.9
12 23	7 57.88	+52 27.7	1.405	2.273	14.9	19.8
1 2	7 38.68	+52 12.4	1.406	2.306	12.6	19.8
1 12	7 18.91	+51 13.6	1.433	2.340	11.9	19.9
1 22	7 1.53	+49 35.2	1.486	2.373	13.0	20.0
2 1	6 48.54	+47 29.1	1.563	2.405	15.2	20.2
2 11	6 40.66	+45 9.8	1.663	2.437	17.5	20.5
68529	2001 VP_{63}		1 10.1	140.°31	1.°1/ 9.8	18
12 3	7 52.45	+24 11.7	2.061	2.842	14.3	20.2
12 13	7 47.56	+24 29.6	1.979	2.848	11.2	20.0
12 23	7 40.14	+24 50.7	1.919	2.853	7.5	19.8
1 2	7 30.81	+25 11.6	1.886	2.859	3.5	19.6
1 12	7 20.57	+25 28.7	1.882	2.864	1.5	19.5
1 22	7 10.56	+25 39.7	1.908	2.869	5.3	19.7
2 1	7 1.90	+25 43.8	1.963	2.873	9.1	20.0
2 11	6 55.47	+25 41.4	2.043	2.877	12.5	20.2
349940	2010 AK_{53}		1 10.1	269.°92	3.°0/10.0	18
12 3	8 4.03	+31 52.1	1.575	2.358	17.9	20.6
12 13	7 57.83	+31 22.8	1.475	2.342	14.4	20.3
12 23	7 47.73	+30 45.3	1.395	2.326	10.1	20.0
1 2	7 34.50	+29 54.2	1.341	2.310	5.4	19.7
1 12	7 19.70	+28 46.2	1.315	2.294	3.2	19.5
1 22	7 5.25	+27 22.2	1.319	2.277	7.4	19.7
2 1	6 52.99	+25 47.8	1.350	2.260	12.4	20.0
2 11	6 44.24	+24 10.4	1.406	2.243	16.9	20.2
95206	2002 BM_{25}		1 10.1	235.°03	0.°7/ 9.9	18
12 3	7 52.04	+24 18.7	2.189	2.967	13.6	19.6
12 13	7 47.18	+24 18.6	2.093	2.960	10.7	19.4
12 23	7 39.88	+24 20.3	2.020	2.954	7.2	19.2
1 2	7 30.70	+24 21.3	1.974	2.947	3.4	19.0
1 12	7 20.59	+24 19.2	1.957	2.939	1.1	18.8
1 22	7 10.61	+24 12.4	1.971	2.932	5.0	19.0
2 1	7 1.87	+24 0.6	2.013	2.924	8.9	19.3
2 11	6 55.22	+23 44.6	2.082	2.917	12.2	19.5
45898	2000 XQ_{49}		1 10.1	338.°55	15.°2/ 9.7	18 R
12 3	8 12.17	+50 15.1	1.047	1.837	24.6	16.7
12 13	8 7.65	+51 17.3	0.985	1.832	21.5	16.4
12 23	7 56.08	+51 57.7	0.937	1.827	18.4	16.2
1 2	7 38.69	+51 56.3	0.907	1.823	15.9	16.1
1 12	7 18.79	+50 57.4	0.897	1.820	15.3	16.0
1 22	7 0.59	+48 59.9	0.908	1.817	16.9	16.1
2 1	6 47.41	+46 17.4	0.940	1.815	20.0	16.3
2 11	6 40.66	+43 11.6	0.991	1.813	23.5	16.5
363894	2005 SK_{119}		1 10.1	92.°74	4.°7/ 8.4	18
12 3	7 56.51	+32 51.6	2.027	2.805	14.6	20.9
12 13	7 50.88	+33 54.7	1.966	2.829	11.5	20.7
12 23	7 42.41	+34 55.4	1.928	2.852	8.2	20.6
1 2	7 31.84	+35 47.0	1.917	2.875	5.4	20.4
1 12	7 20.36	+36 23.6	1.936	2.897	5.0	20.5
1 22	7 9.29	+36 42.3	1.983	2.919	7.2	20.6
2 1	6 59.89	+36 43.6	2.058	2.941	10.2	20.9
2 11	6 53.06	+36 30.6	2.157	2.962	13.0	21.1
92771	2000 QS_{132}		1 10.1	109.°45	3.°6/ 9.2	18
12 3	8 0.27	+30 28.3	1.852	2.630	15.8	20.0
12 13	7 53.85	+31 2.8	1.789	2.653	12.4	19.8
12 23	7 44.39	+31 35.7	1.747	2.676	8.6	19.6
1 2	7 32.72	+32 0.8	1.733	2.698	4.9	19.5
1 12	7 20.17	+32 13.1	1.747	2.720	3.8	19.4
1 22	7 8.18	+32 10.7	1.792	2.741	6.7	19.7
2 1	6 58.09	+31 54.6	1.864	2.760	10.3	19.9
2 11	6 50.80	+31 28.2	1.960	2.780	13.5	20.2

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
32905	1994 PX_{32}		1 10.1	181.°82	0.°8/10.4	18
	h m	° ′			°	m
12 3	7 47.67	+18 56.7	2.781	3.545	11.4	20.4
12 13	7 43.15	+18 56.8	2.686	3.546	8.9	20.2
12 23	7 36.85	+19 1.5	2.616	3.546	6.1	20.0
1 2	7 29.22	+19 9.4	2.574	3.546	2.9	19.8
1 12	7 20.95	+19 19.0	2.563	3.545	0.9	19.6
1 22	7 12.80	+19 29.0	2.583	3.545	3.9	19.9
2 1	7 5.51	+19 38.2	2.632	3.544	7.0	20.1
2 11	6 59.74	+19 46.0	2.708	3.543	9.8	20.2
483029	2015 BE_{324}		1 10.1	137.°59	1.°2/ 9.6	18
12 3	7 48.83	+23 17.1	2.451	3.227	12.4	21.3
12 13	7 44.43	+23 59.4	2.364	3.232	9.7	21.1
12 23	7 37.91	+24 46.3	2.302	3.236	6.5	21.0
1 2	7 29.78	+25 34.2	2.267	3.239	3.1	20.7
1 12	7 20.83	+26 19.3	2.262	3.243	1.5	20.6
1 22	7 11.99	+26 58.5	2.289	3.247	4.7	20.9
2 1	7 4.18	+27 29.8	2.344	3.250	8.0	21.1
2 11	6 58.16	+27 52.9	2.425	3.253	11.0	21.3
82123	2001 FY_{77}		1 10.1	119.°98	2.°5/ 9.4	18
12 3	7 57.59	+25 41.7	1.607	2.396	17.3	19.3
12 13	7 52.28	+26 25.4	1.537	2.410	13.6	19.1
12 23	7 43.68	+27 13.2	1.489	2.424	9.2	18.9
1 2	7 32.53	+27 58.9	1.466	2.438	4.6	18.7
1 12	7 20.21	+28 36.2	1.472	2.451	2.9	18.6
1 22	7 8.30	+29 0.8	1.506	2.463	6.8	18.9
2 1	6 58.30	+29 11.8	1.568	2.475	11.2	19.1
2 11	6 51.30	+29 11.4	1.653	2.486	15.0	19.4
254719	2005 NL_{40}		1 10.1	43.°64	1.°6/10.8	18
12 3	7 49.28	+14 17.9	1.693	2.475	16.9	20.1
12 13	7 45.57	+14 56.6	1.612	2.479	13.4	19.9
12 23	7 39.10	+15 50.2	1.553	2.484	9.2	19.6
1 2	7 30.44	+16 56.0	1.519	2.490	4.7	19.4
1 12	7 20.67	+18 9.2	1.513	2.495	1.7	19.2
1 22	7 11.05	+19 23.9	1.536	2.501	5.7	19.5
2 1	7 2.84	+20 34.7	1.587	2.506	10.2	19.8
2 11	6 57.05	+21 38.2	1.662	2.512	14.1	20.0
522535	2016 EV_{237}		1 10.1	68.°35	4.°0/11.9	18
12 3	7 46.97	+ 8 26.8	2.184	2.935	14.5	21.2
12 13	7 42.97	+ 8 28.6	2.105	2.946	11.8	21.0
12 23	7 36.90	+ 8 43.9	2.047	2.957	8.7	20.8
1 2	7 29.30	+ 9 12.8	2.015	2.969	5.6	20.6
1 12	7 20.96	+ 9 53.7	2.011	2.980	4.0	20.6
1 22	7 12.81	+10 43.6	2.037	2.991	5.6	20.7
2 1	7 5.72	+11 38.9	2.091	3.002	8.6	20.9
2 11	7 0.43	+12 35.9	2.172	3.014	11.5	21.1
390851	2004 RD_{183}		1 10.1	158.°35	2.°7/11.0	18
12 3	7 54.17	+13 49.1	2.053	2.809	15.1	22.2
12 13	7 48.75	+13 43.0	1.967	2.818	12.1	22.0
12 23	7 40.88	+13 46.7	1.905	2.826	8.5	21.8
1 2	7 31.15	+13 59.5	1.868	2.833	4.8	21.6
1 12	7 20.54	+14 19.6	1.862	2.839	2.7	21.5
1 22	7 10.13	+14 44.8	1.885	2.844	5.5	21.7
2 1	7 1.00	+15 12.6	1.938	2.849	9.2	21.9
2 11	6 54.00	+15 41.0	2.016	2.852	12.5	22.1
410006	2006 WE_{43}		1 10.1	346.°49	8.°1/11.8	18
12 3	7 46.62	+ 6 14.9	1.477	2.251	19.3	20.9
12 13	7 43.81	+ 5 3.5	1.395	2.244	16.2	20.7
12 23	7 38.08	+ 4 7.4	1.332	2.238	12.7	20.4
1 2	7 30.03	+ 3 31.6	1.290	2.232	9.5	20.2
1 12	7 20.78	+ 3 19.1	1.273	2.228	8.1	20.1
1 22	7 11.65	+ 3 29.9	1.282	2.224	9.7	20.2
2 1	7 4.01	+ 4 0.8	1.314	2.221	12.9	20.4
2 11	6 58.92	+ 4 46.2	1.368	2.219	16.5	20.6
376614	2013 PY_{41}		1 10.1	221.°28	1.°3/10.6	18
12 3	7 49.71	+17 43.8	2.127	2.901	14.1	21.9
12 13	7 45.35	+17 42.7	2.034	2.898	11.2	21.6
12 23	7 38.66	+17 48.5	1.964	2.895	7.7	21.4
1 2	7 30.16	+18 0.0	1.921	2.891	3.8	21.2
1 12	7 20.76	+18 15.1	1.906	2.888	1.4	21.0
1 22	7 11.47	+18 31.8	1.921	2.884	5.0	21.2
2 1	7 3.34	+18 48.3	1.965	2.880	8.8	21.5
2 11	6 57.20	+19 3.4	2.035	2.877	12.2	21.7
251994	2000 EO_{98}		1 10.1	324.°48	0.°7/ 9.9	18
12 3	7 51.89	+22 55.6	1.715	2.508	16.3	20.6
12 13	7 47.71	+23 6.4	1.631	2.506	12.8	20.4
12 23	7 40.57	+23 22.0	1.568	2.505	8.6	20.2
1 2	7 31.13	+23 39.1	1.530	2.504	4.0	19.9
1 12	7 20.54	+23 54.0	1.520	2.503	1.2	19.7
1 22	7 10.15	+24 3.9	1.539	2.501	5.9	20.0
2 1	7 1.33	+24 7.6	1.584	2.500	10.4	20.3
2 11	6 55.10	+24 5.4	1.653	2.499	14.4	20.5

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
17837	1998 HQ_{92}		1 10.1	246.°18	0.°6/ 9.9	18
	h m	° ′			°	m
12 3	7 47.77	+22 45.6	2.637	3.411	11.7	19.2
12 13	7 43.47	+23 2.3	2.538	3.404	9.1	19.0
12 23	7 37.21	+23 22.4	2.463	3.397	6.2	18.8
1 2	7 29.46	+23 43.7	2.416	3.389	2.8	18.6
1 12	7 20.93	+24 3.7	2.400	3.382	0.9	18.4
1 22	7 12.47	+24 20.2	2.414	3.374	4.3	18.6
2 1	7 4.93	+24 32.2	2.457	3.367	7.5	18.8
2 11	6 59.02	+24 39.4	2.527	3.359	10.4	19.0
47855	2000 EU_{153}		1 10.1	43.°58	0.°9/10.5	18
12 3	7 48.58	+18 6.0	1.841	2.628	15.5	19.0
12 13	7 44.66	+18 17.6	1.771	2.642	12.2	18.8
12 23	7 38.23	+18 37.5	1.722	2.656	8.3	18.6
1 2	7 29.95	+19 3.5	1.699	2.671	4.0	18.3
1 12	7 20.83	+19 32.6	1.704	2.687	1.2	18.2
1 22	7 12.03	+20 1.6	1.738	2.703	5.2	18.5
2 1	7 4.61	+20 28.3	1.800	2.719	9.2	18.8
2 11	6 59.42	+20 51.2	1.886	2.735	12.7	19.0
165418	2000 YH_{51}		1 10.1	36.°57	0.°4/10.2	18
12 3	7 53.37	+22 15.0	1.331	2.138	19.3	19.0
12 13	7 49.33	+21 52.6	1.266	2.149	15.2	18.8
12 23	7 41.81	+21 34.5	1.220	2.160	10.2	18.6
1 2	7 31.68	+21 18.6	1.198	2.172	4.7	18.3
1 12	7 20.45	+21 2.7	1.202	2.185	1.1	18.1
1 22	7 9.78	+20 45.8	1.232	2.198	6.6	18.5
2 1	7 1.22	+20 27.8	1.288	2.211	11.7	18.8
2 11	6 55.80	+20 9.7	1.366	2.226	16.0	19.1
464108	2014 WU_{434}		1 10.1	21.°94	2.°8/11.0	18
12 3	7 48.38	+14 6.8	1.818	2.597	16.0	21.3
12 13	7 44.61	+13 58.1	1.736	2.599	12.8	21.1
12 23	7 38.30	+14 0.1	1.674	2.601	9.0	20.9
1 2	7 30.03	+14 12.5	1.638	2.604	5.1	20.7
1 12	7 20.80	+14 33.6	1.629	2.607	2.9	20.5
1 22	7 11.76	+15 0.9	1.649	2.610	5.8	20.7
2 1	7 4.05	+15 31.4	1.696	2.614	9.7	21.0
2 11	6 58.55	+16 2.7	1.767	2.618	13.4	21.2
327318	2005 UF_{40}		1 10.1	42.°10	1.°0/ 9.8	18
12 3	7 50.43	+23 3.8	1.785	2.578	15.7	21.1
12 13	7 46.39	+23 28.3	1.707	2.583	12.3	20.9
12 23	7 39.58	+23 58.1	1.651	2.589	8.3	20.6
1 2	7 30.64	+24 29.4	1.621	2.594	3.8	20.4
1 12	7 20.67	+24 57.9	1.618	2.600	1.5	20.2
1 22	7 10.95	+25 20.3	1.645	2.606	5.8	20.5
2 1	7 2.73	+25 35.0	1.698	2.613	10.0	20.8
2 11	6 56.95	+25 42.1	1.776	2.619	13.6	21.0
19820	Stowers		1 10.2	355.°52	5.°8/11.9	18
12 3	7 46.47	+ 8 10.3	1.666	2.437	17.5	18.8
12 13	7 43.35	+ 7 36.6	1.582	2.434	14.5	18.5
12 23	7 37.58	+ 7 18.0	1.519	2.432	10.9	18.3
1 2	7 29.75	+ 7 16.9	1.479	2.430	7.5	18.1
1 12	7 20.87	+ 7 33.3	1.465	2.429	5.8	18.0
1 22	7 12.13	+ 8 5.5	1.477	2.429	7.6	18.1
2 1	7 4.74	+ 8 49.5	1.516	2.429	11.0	18.3
2 11	6 59.64	+ 9 40.5	1.577	2.430	14.6	18.5
467827	2010 OZ_{101}		1 10.2	210.°78	6.°6/14.2	17
12 3	7 45.07	− 6 14.2	3.402	4.055	11.4	23.2
12 13	7 40.81	− 6 34.6	3.299	4.047	10.0	23.1
12 23	7 35.15	− 6 40.8	3.216	4.039	8.6	23.0
1 2	7 28.44	− 6 30.8	3.158	4.031	7.3	22.9
1 12	7 21.19	− 6 3.9	3.127	4.022	6.6	22.8
1 22	7 13.95	− 5 20.9	3.125	4.013	6.9	22.8
2 1	7 7.32	− 4 24.1	3.151	4.003	8.0	22.9
2 11	7 1.80	− 3 16.8	3.204	3.993	9.5	23.0
231645	2009 VQ_{88}		1 10.2	184.°14	0.°6/ 9.9	18
12 3	7 50.93	+23 28.7	2.173	2.953	13.7	21.0
12 13	7 46.29	+23 34.7	2.084	2.953	10.7	20.8
12 23	7 39.27	+23 43.5	2.018	2.953	7.2	20.6
1 2	7 30.45	+23 52.6	1.979	2.952	3.3	20.4
1 12	7 20.75	+23 59.4	1.970	2.952	1.0	20.2
1 22	7 11.23	+24 2.0	1.990	2.952	4.9	20.5
2 1	7 2.95	+23 59.8	2.039	2.951	8.7	20.7
2 11	6 56.73	+23 53.1	2.114	2.951	12.0	20.9
410786	2009 FM_{67}		1 10.2	281.°19	2.°5/10.8	16
12 3	7 50.79	+15 52.4	1.711	2.493	16.7	21.8
12 13	7 47.01	+15 40.0	1.607	2.473	13.5	21.6
12 23	7 40.29	+15 37.1	1.523	2.453	9.5	21.3
1 2	7 31.14	+15 43.5	1.464	2.433	5.1	21.0
1 12	7 20.57	+15 57.5	1.433	2.412	2.6	20.8
1 22	7 9.89	+16 16.8	1.429	2.392	6.3	21.0
2 1	7 0.52	+16 39.0	1.453	2.371	11.0	21.2
2 11	6 53.63	+17 2.0	1.500	2.350	15.3	21.4

82880 2001 QN_{70} 1 10.2 102.°43 4.°9/12.5 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 47.15	+ 4 33.7	2.630	3.353	13.0	19.4
12 13	7 42.67	+ 4 16.4	2.553	3.371	10.7	19.3
12 23	7 36.48	+ 4 11.8	2.499	3.388	8.3	19.1
1 2	7 29.06	+ 4 20.7	2.470	3.406	6.0	19.0
1 12	7 21.09	+ 4 42.8	2.471	3.423	4.9	19.0
1 22	7 13.31	+ 5 16.2	2.501	3.439	5.8	19.0
2 1	7 6.44	+ 5 58.4	2.560	3.456	7.9	19.2
2 11	7 1.06	+ 6 46.1	2.645	3.472	10.2	19.4

233574 2007 PR_{46} 1 10.2 217.°32 0.°2/10.2 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 48.84	+20 26.2	2.419	3.191	12.6	21.9
12 13	7 44.44	+20 36.4	2.324	3.188	9.9	21.7
12 23	7 37.93	+20 51.4	2.252	3.184	6.7	21.5
1 2	7 29.83	+21 9.4	2.208	3.181	3.1	21.2
1 12	7 20.91	+21 28.1	2.194	3.177	0.7	21.0
1 22	7 12.09	+21 45.2	2.210	3.172	4.4	21.3
2 1	7 4.28	+21 59.4	2.255	3.168	8.0	21.5
2 11	6 58.24	+22 10.2	2.327	3.164	11.1	21.7

77630 2001 KV_{47} 1 10.2 179.°59 4.°0/ 8.4 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 51.82	+32 42.3	2.473	3.248	12.3	19.7
12 13	7 46.98	+33 35.7	2.387	3.249	9.8	19.5
12 23	7 39.76	+34 28.0	2.326	3.249	7.0	19.3
1 2	7 30.70	+35 13.9	2.292	3.250	4.6	19.2
1 12	7 20.71	+35 48.7	2.287	3.250	4.2	19.1
1 22	7 10.83	+36 9.5	2.313	3.249	6.3	19.3
2 1	7 2.13	+36 15.8	2.366	3.249	9.1	19.4
2 11	6 55.45	+36 9.3	2.445	3.248	11.7	19.6

460238 2014 QU_{255} 1 10.2 59.°01 4.°8/12.3 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 48.75	+ 6 42.1	1.759	2.516	17.3	21.3
12 13	7 44.98	+ 6 55.2	1.677	2.520	14.2	21.1
12 23	7 38.62	+ 7 27.4	1.614	2.525	10.6	20.9
1 2	7 30.24	+ 8 19.2	1.576	2.529	6.9	20.7
1 12	7 20.82	+ 9 28.1	1.565	2.533	4.8	20.6
1 22	7 11.53	+10 49.0	1.582	2.538	6.7	20.7
2 1	7 3.54	+12 15.9	1.627	2.543	10.3	20.9
2 11	6 57.81	+13 42.9	1.697	2.547	13.8	21.2

169184 Jameslee 1 10.2 81.°61 0.°2/10.2 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 48.91	+20 41.2	2.317	3.093	13.1	20.5
12 13	7 44.46	+20 46.1	2.236	3.102	10.2	20.4
12 23	7 37.89	+20 55.6	2.178	3.111	6.9	20.2
1 2	7 29.77	+21 7.6	2.147	3.120	3.2	19.9
1 12	7 20.94	+21 20.0	2.146	3.129	0.7	19.8
1 22	7 12.32	+21 31.0	2.175	3.138	4.5	20.1
2 1	7 4.83	+21 39.5	2.233	3.147	8.0	20.3
2 11	6 59.18	+21 44.9	2.317	3.156	11.0	20.5

165474 2001 AR_{39} 1 10.2 70.°05 0.°9/ 9.9 17

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 56.28	+23 17.5	1.487	2.282	18.2	20.0
12 13	7 51.16	+23 31.3	1.429	2.306	14.2	19.8
12 23	7 42.80	+23 49.9	1.392	2.330	9.5	19.6
1 2	7 32.08	+24 8.8	1.380	2.354	4.3	19.3
1 12	7 20.44	+24 23.7	1.396	2.378	1.4	19.2
1 22	7 9.44	+24 31.9	1.439	2.402	6.3	19.6
2 1	7 0.48	+24 32.8	1.510	2.426	10.9	19.9
2 11	6 54.49	+24 27.7	1.603	2.449	14.7	20.2

458242 2010 TO_{41} 1 10.2 64.°39 1.°0/10.4 16

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 53.24	+18 56.9	1.628	2.416	17.2	22.0
12 13	7 48.47	+18 57.2	1.567	2.439	13.5	21.8
12 23	7 40.84	+19 5.3	1.528	2.462	9.1	21.6
1 2	7 31.16	+19 18.8	1.513	2.485	4.3	21.4
1 12	7 20.65	+19 34.7	1.526	2.509	1.3	21.2
1 22	7 10.64	+19 50.4	1.568	2.532	5.7	21.5
2 1	7 2.37	+20 4.2	1.637	2.555	10.0	21.9
2 11	6 56.69	+20 15.2	1.730	2.578	13.7	22.1

39622 1994 PJ_5 1 10.2 289.°87 0.°8/10.4 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 49.34	+19 4.3	2.008	2.789	14.6	19.2
12 13	7 45.26	+19 9.6	1.917	2.785	11.5	18.9
12 23	7 38.71	+19 21.6	1.848	2.782	7.9	18.7
1 2	7 30.25	+19 38.7	1.806	2.778	3.8	18.5
1 12	7 20.83	+19 58.1	1.792	2.775	1.0	18.2
1 22	7 11.52	+20 17.5	1.808	2.772	5.1	18.5
2 1	7 3.44	+20 35.0	1.852	2.768	9.1	18.8
2 11	6 57.47	+20 49.5	1.920	2.765	12.7	19.0

152476 2005 WH_{19} 1 10.2 164.°37 1.°4/ 9.5 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 51.41	+21 37.7	2.164	2.941	13.8	20.2
12 13	7 46.81	+22 43.1	2.076	2.943	10.8	20.0
12 23	7 39.76	+23 56.6	2.012	2.946	7.3	19.8
1 2	7 30.76	+25 13.5	1.975	2.948	3.4	19.6
1 12	7 20.71	+26 28.1	1.969	2.950	1.7	19.4
1 22	7 10.69	+27 35.3	1.994	2.951	5.4	19.7
2 1	7 1.83	+28 31.8	2.047	2.952	9.1	19.9
2 11	6 55.03	+29 16.5	2.127	2.953	12.4	20.1

3941 Haydn 1 10.2 358.°74 0.°8/10.4 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 48.72	+18 46.3	2.081	2.861	14.2	17.7
12 13	7 44.64	+18 51.3	1.993	2.860	11.2	17.5
12 23	7 38.21	+19 3.1	1.927	2.860	7.6	17.3
1 2	7 30.00	+19 19.8	1.888	2.860	3.7	17.0
1 12	7 20.89	+19 39.1	1.878	2.860	1.1	16.8
1 22	7 11.93	+19 58.7	1.897	2.860	4.9	17.1
2 1	7 4.16	+20 16.7	1.944	2.860	8.8	17.3
2 11	6 58.40	+20 32.0	2.016	2.860	12.2	17.5

378456 2007 RO_{318} 1 10.2 4.°31 6.°0/12.3 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 43.96	+ 6 32.5	1.713	2.482	17.2	20.5
12 13	7 41.30	+ 6 7.2	1.634	2.482	14.3	20.2
12 23	7 36.16	+ 5 58.8	1.573	2.483	10.9	20.0
1 2	7 29.11	+ 6 9.4	1.537	2.485	7.7	19.9
1 12	7 21.12	+ 6 38.7	1.525	2.488	6.0	19.8
1 22	7 13.29	+ 7 24.1	1.541	2.491	7.5	19.9
2 1	7 6.72	+ 8 21.2	1.582	2.496	10.6	20.1
2 11	7 2.31	+ 9 24.6	1.647	2.502	14.0	20.3

360676 2004 RN_{225} 1 10.2 35.°79 3.°8/ 9.4 17

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 53.64	+27 54.6	1.112	1.937	21.2	20.5
12 13	7 50.29	+28 29.3	1.063	1.955	16.6	20.3
12 23	7 42.81	+29 5.7	1.032	1.974	11.3	20.0
1 2	7 32.25	+29 36.1	1.023	1.995	5.9	19.8
1 12	7 20.45	+29 53.4	1.038	2.016	4.1	19.8
1 22	7 9.49	+29 54.1	1.078	2.038	8.4	20.1
2 1	7 1.16	+29 39.6	1.142	2.061	13.3	20.4
2 11	6 56.54	+29 13.9	1.226	2.084	17.5	20.8

145703 4389 $T\text{-}_3$ 1 10.2 145.°85 12.°1/ 4.5 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	8 10.52	+55 18.0	2.165	2.881	15.6	19.8
12 13	8 3.93	+57 17.4	2.111	2.889	14.0	19.7
12 23	7 52.53	+59 1.6	2.078	2.897	12.8	19.7
1 2	7 37.03	+60 18.5	2.068	2.904	12.1	19.6
1 12	7 19.30	+60 59.0	2.082	2.911	12.3	19.6
1 22	7 1.92	+61 0.0	2.119	2.917	13.3	19.7
2 1	6 47.38	+60 25.3	2.178	2.923	14.7	19.8
2 11	6 37.35	+59 23.7	2.255	2.929	16.1	20.0

171179 2005 GX_{214} 1 10.2 159.°80 0.°6/10.4 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 51.97	+18 14.4	2.097	2.868	14.4	20.8
12 13	7 47.14	+18 36.3	2.011	2.873	11.3	20.6
12 23	7 39.89	+19 6.3	1.947	2.878	7.7	20.4
1 2	7 30.79	+19 41.8	1.910	2.882	3.7	20.2
1 12	7 20.76	+20 19.5	1.903	2.886	0.9	19.9
1 22	7 10.87	+20 56.2	1.927	2.889	5.0	20.2
2 1	7 2.21	+21 29.3	1.979	2.892	8.9	20.5
2 11	6 55.63	+21 57.7	2.057	2.895	12.3	20.7

235675 2004 RA_{282} 1 10.2 253.°52 1.°7/ 9.7 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 54.25	+24 53.8	1.596	2.391	17.2	20.9
12 13	7 49.97	+25 12.8	1.507	2.384	13.6	20.7
12 23	7 42.39	+25 36.1	1.440	2.377	9.2	20.4
1 2	7 32.13	+25 59.1	1.397	2.370	4.4	20.1
1 12	7 20.43	+26 16.7	1.381	2.362	2.1	19.9
1 22	7 8.88	+26 25.4	1.394	2.355	6.7	20.2
2 1	6 59.04	+26 24.3	1.433	2.347	11.5	20.4
2 11	6 52.12	+26 14.7	1.495	2.339	15.7	20.7

205912 2002 GC_{107} 1 10.2 219.°90 0.°2/10.1 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 53.16	+20 42.7	1.984	2.761	14.9	21.2
12 13	7 48.43	+21 6.7	1.886	2.753	11.8	21.0
12 23	7 40.99	+21 37.9	1.811	2.745	8.0	20.7
1 2	7 31.39	+22 13.1	1.763	2.736	3.7	20.5
1 12	7 20.61	+22 48.3	1.743	2.726	0.9	20.2
1 22	7 9.85	+23 20.1	1.754	2.716	5.4	20.5
2 1	7 0.35	+23 46.0	1.793	2.705	9.7	20.8
2 11	6 53.13	+24 5.5	1.857	2.694	13.4	21.0

194111 2001 SK_{236} 1 10.2 168.°51 0.°2/10.2 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 55.77	+20 2.4	2.028	2.796	14.9	22.6
12 13	7 50.20	+20 18.8	1.941	2.802	11.7	22.4
12 23	7 42.00	+20 41.8	1.876	2.807	7.9	22.2
1 2	7 31.77	+21 8.3	1.839	2.811	3.7	21.9
1 12	7 20.54	+21 35.1	1.831	2.814	0.8	21.7
1 22	7 9.50	+21 59.1	1.855	2.817	5.2	22.0
2 1	6 59.81	+22 18.5	1.907	2.818	9.3	22.3
2 11	6 52.41	+22 33.0	1.985	2.818	12.8	22.5

11671 1998 BG_4 1 10.2 271.°13 0.°8/ 9.9 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 52.58	+22 31.6	1.692	2.484	16.5	18.7
12 13	7 48.56	+22 48.6	1.593	2.468	13.1	18.4
12 23	7 41.42	+23 11.9	1.516	2.453	8.9	18.2
1 2	7 31.71	+23 38.0	1.463	2.437	4.1	17.8
1 12	7 20.53	+24 2.5	1.439	2.421	1.3	17.6
1 22	7 9.32	+24 21.7	1.442	2.405	6.3	17.9
2 1	6 59.59	+24 33.6	1.473	2.389	11.1	18.1
2 11	6 52.54	+24 38.3	1.527	2.372	15.4	18.3

180846 2005 GE_{133} 1 10.2 110.°03 0.°9/ 9.9 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 57.38	+21 49.0	1.479	2.270	18.5	20.6
12 13	7 52.27	+22 21.6	1.412	2.286	14.5	20.4
12 23	7 43.76	+23 2.0	1.365	2.302	9.7	20.1
1 2	7 32.66	+23 45.1	1.344	2.317	4.5	19.9
1 12	7 20.36	+24 24.9	1.350	2.332	1.5	19.7
1 22	7 8.52	+24 56.9	1.385	2.347	6.6	20.1
2 1	6 58.68	+25 19.0	1.446	2.361	11.4	20.4
2 11	6 51.92	+25 31.9	1.530	2.374	15.4	20.6

377244 2004 BB_{83} 1 10.2 325.°27 1.°5/ 9.7 18

12 3	7 48.40	+24 55.6	2.022	2.813	14.2	21.0
12 13	7 44.69	+25 17.3	1.928	2.803	11.1	20.8
12 23	7 38.44	+25 42.4	1.857	2.794	7.5	20.5
1 2	7 30.19	+26 7.4	1.813	2.786	3.6	20.3
1 12	7 20.90	+26 28.5	1.796	2.777	1.8	20.1
1 22	7 11.70	+26 43.0	1.809	2.769	5.5	20.3
2 1	7 3.75	+26 49.6	1.849	2.762	9.4	20.6
2 11	6 57.97	+26 48.6	1.914	2.754	12.9	20.8

56493 2000 GU_{134} 1 10.2 141.°66 1.°9/10.9 18

12 3	7 54.32	+14 49.6	1.889	2.654	16.0	19.2
12 13	7 49.12	+15 5.1	1.809	2.666	12.7	19.0
12 23	7 41.29	+15 31.7	1.752	2.678	8.8	18.8
1 2	7 31.45	+16 7.7	1.720	2.688	4.6	18.5
1 12	7 20.65	+16 49.8	1.718	2.698	2.0	18.4
1 22	7 10.07	+17 34.1	1.745	2.707	5.5	18.6
2 1	7 0.90	+18 17.5	1.802	2.716	9.5	18.9
2 11	6 54.04	+18 57.5	1.883	2.723	13.1	19.1

194894 2002 AM_{95} 1 10.2 24.°16 1.°0/ 9.9 18

12 3	7 51.17	+23 15.8	1.190	2.011	20.4	20.5
12 13	7 48.17	+23 24.6	1.127	2.018	16.0	20.3
12 23	7 41.39	+23 39.5	1.082	2.026	10.8	20.0
1 2	7 31.67	+23 56.2	1.060	2.035	5.0	19.7
1 12	7 20.60	+24 9.8	1.062	2.044	1.6	19.5
1 22	7 10.05	+24 16.8	1.089	2.055	7.3	19.9
2 1	7 1.75	+24 16.1	1.141	2.067	12.6	20.2
2 11	6 56.87	+24 8.8	1.214	2.079	17.2	20.5

15538 2000 BW_{14} 1 10.2 92.°31 1.°9/ 9.4 18

12 3	7 50.04	+24 38.5	2.193	2.975	13.5	18.2
12 13	7 45.66	+25 26.8	2.112	2.983	10.5	18.0
12 23	7 38.92	+26 19.3	2.055	2.990	7.1	17.8
1 2	7 30.37	+27 11.7	2.026	2.997	3.5	17.6
1 12	7 20.91	+27 59.5	2.026	3.005	2.1	17.5
1 22	7 11.61	+28 38.9	2.055	3.012	5.3	17.7
2 1	7 3.51	+29 8.1	2.114	3.019	8.8	17.9
2 11	6 57.45	+29 27.2	2.198	3.026	11.9	18.1

234149 2000 FG_{4} 1 10.2 231.°10 2.°0/ 9.4 18

12 3	7 50.46	+27 23.7	2.484	3.261	12.3	21.3
12 13	7 45.80	+27 46.8	2.388	3.255	9.6	21.1
12 23	7 38.92	+28 10.9	2.316	3.248	6.6	20.9
1 2	7 30.35	+28 32.6	2.271	3.241	3.4	20.7
1 12	7 20.91	+28 48.5	2.256	3.234	2.2	20.6
1 22	7 11.57	+28 56.6	2.272	3.227	5.0	20.7
2 1	7 3.30	+28 56.1	2.316	3.219	8.3	20.9
2 11	6 56.89	+28 47.9	2.387	3.212	11.2	21.1

372446 2009 SS_{95} 1 10.2 186.°24 3.°1/ 9.1 18

12 3	7 53.59	+29 50.7	2.181	2.960	13.6	21.4
12 13	7 48.56	+30 23.8	2.094	2.960	10.8	21.2
12 23	7 40.94	+30 56.6	2.030	2.960	7.5	21.0
1 2	7 31.32	+31 24.4	1.993	2.959	4.3	20.8
1 12	7 20.70	+31 42.8	1.985	2.958	3.4	20.8
1 22	7 10.26	+31 49.2	2.007	2.957	6.1	20.9
2 1	7 1.17	+31 43.5	2.057	2.955	9.4	21.1
2 11	6 54.34	+31 27.4	2.132	2.953	12.5	21.3

219699 2001 XS_{21} 1 10.2 14.°56 2.°7/ 9.7 18

12 3	7 51.64	+28 24.1	1.449	2.258	17.9	19.4
12 13	7 48.03	+28 28.5	1.378	2.262	14.1	19.2
12 23	7 41.03	+28 32.1	1.328	2.267	9.6	18.9
1 2	7 31.44	+28 30.4	1.301	2.274	4.9	18.7
1 12	7 20.69	+28 19.2	1.301	2.280	3.0	18.6
1 22	7 10.41	+27 57.1	1.328	2.288	7.0	18.8
2 1	7 2.14	+27 25.3	1.380	2.297	11.6	19.1
2 11	6 56.91	+26 47.0	1.454	2.307	15.6	19.4

376375 2012 CB_{55} 1 10.2 119.°39 15.°5/17.8 18

12 3	7 52.79	−13 7.4	1.359	2.039	24.7	20.9
12 13	7 48.84	−14 8.1	1.293	2.048	22.4	20.7
12 23	7 41.60	−14 32.4	1.241	2.057	19.8	20.5
1 2	7 31.75	−14 11.2	1.205	2.066	17.3	20.4
1 12	7 20.60	−13 0.0	1.189	2.074	15.7	20.3
1 22	7 9.70	−11 1.8	1.195	2.081	15.6	20.3
2 1	7 0.59	− 8 26.9	1.224	2.089	17.0	20.4
2 11	6 54.43	− 5 30.3	1.275	2.095	19.3	20.6

178615 2000 EL_{119} 1 10.2 265.°76 1.°1/ 9.7 18

	h m	° ′			°	m
12 3	7 51.39	+21 52.7	1.928	2.712	15.0	20.6
12 13	7 47.31	+22 34.8	1.824	2.695	11.9	20.4
12 23	7 40.44	+23 25.3	1.742	2.678	8.1	20.1
1 2	7 31.24	+24 20.3	1.687	2.660	3.8	19.8
1 12	7 20.69	+25 14.5	1.660	2.642	1.5	19.6
1 22	7 10.01	+26 3.0	1.663	2.624	5.9	19.9
2 1	7 0.52	+26 42.6	1.694	2.606	10.2	20.1
2 11	6 53.37	+27 12.3	1.750	2.587	14.1	20.3

287789 2003 SP_{134} 1 10.2 176.°00 2.°1/10.9 18

12 3	7 53.43	+15 22.5	2.166	2.925	14.4	22.2
12 13	7 48.16	+15 17.5	2.075	2.928	11.4	22.0
12 23	7 40.53	+15 20.6	2.006	2.930	8.0	21.8
1 2	7 31.10	+15 31.0	1.965	2.932	4.3	21.6
1 12	7 20.77	+15 47.0	1.953	2.933	2.2	21.4
1 22	7 10.59	+16 6.5	1.972	2.933	5.1	21.6
2 1	7 1.59	+16 27.6	2.020	2.932	8.8	21.9
2 11	6 54.61	+16 48.6	2.095	2.930	12.2	22.1

180465 2004 CT_{26} 1 10.2 287.°55 5.°9/ 9.2 18

12 3	7 58.75	+36 45.8	1.753	2.536	16.3	20.0
12 13	7 53.57	+37 6.9	1.661	2.524	13.3	19.8
12 23	7 44.83	+37 21.0	1.591	2.512	9.9	19.6
1 2	7 33.26	+37 20.9	1.545	2.501	6.8	19.3
1 12	7 20.29	+37 0.7	1.527	2.489	6.0	19.3
1 22	7 7.63	+36 18.5	1.537	2.478	8.5	19.4
2 1	6 56.96	+35 17.0	1.573	2.466	12.1	19.6
2 11	6 49.48	+34 2.5	1.633	2.455	15.7	19.8

462361 2008 RF_{125} 1 10.2 130.°19 0.°7/10.4 18

12 3	7 49.88	+19 10.2	2.217	2.990	13.6	21.9
12 13	7 45.36	+19 16.0	2.131	2.995	10.7	21.7
12 23	7 38.62	+19 27.8	2.069	3.000	7.3	21.5
1 2	7 30.21	+19 43.7	2.033	3.005	3.5	21.3
1 12	7 20.99	+20 1.4	2.027	3.010	0.9	21.1
1 22	7 11.94	+20 18.7	2.051	3.014	4.7	21.4
2 1	7 4.05	+20 34.1	2.104	3.018	8.3	21.6
2 11	6 58.08	+20 46.8	2.182	3.022	11.6	21.8

464205 2015 BO_{100} 1 10.2 22.°67 3.°3/11.6 18

12 3	7 46.31	+10 38.9	1.953	2.721	15.4	20.4
12 13	7 42.85	+10 53.2	1.871	2.726	12.4	20.2
12 23	7 37.08	+11 21.8	1.810	2.731	8.9	20.0
1 2	7 29.55	+12 4.1	1.774	2.736	5.3	19.8
1 12	7 21.13	+12 57.4	1.767	2.742	3.3	19.6
1 22	7 12.85	+13 58.0	1.788	2.749	5.5	19.8
2 1	7 5.74	+15 1.4	1.837	2.755	9.1	20.0
2 11	7 0.62	+16 3.7	1.912	2.762	12.5	20.3

410448 2008 CE_{72} 1 10.2 334.°49 0.°9/10.5 18

12 3	7 47.53	+18 4.6	1.455	2.259	18.1	20.9
12 13	7 44.90	+18 19.5	1.367	2.249	14.4	20.7
12 23	7 39.10	+18 46.1	1.300	2.239	9.9	20.4
1 2	7 30.69	+19 22.2	1.256	2.230	4.8	20.0
1 12	7 20.85	+20 3.7	1.238	2.221	1.3	19.8
1 22	7 11.06	+20 45.8	1.247	2.213	6.5	20.1
2 1	7 2.86	+21 24.5	1.281	2.206	11.6	20.4
2 11	6 57.46	+21 57.5	1.338	2.200	16.1	20.6

432121 2009 BX_{30} 1 10.2 289.°63 0.°8/10.6 18

12 3	7 47.08	+16 59.7	2.383	3.154	12.9	21.1
12 13	7 43.14	+17 29.3	2.289	3.151	10.2	20.9
12 23	7 37.14	+18 7.6	2.219	3.149	6.9	20.7
1 2	7 29.55	+18 52.3	2.175	3.147	3.4	20.5
1 12	7 21.13	+19 40.6	2.162	3.144	1.0	20.3
1 22	7 12.76	+20 29.1	2.179	3.142	4.4	20.6
2 1	7 5.35	+21 14.9	2.225	3.140	7.9	20.8
2 11	6 59.65	+21 56.2	2.298	3.138	11.1	21.0

32181 2000 NB_{17} 1 10.2 271.°10 1.°6/ 9.6 18

12 3	7 51.32	+24 36.1	1.900	2.688	15.0	19.0
12 13	7 47.09	+25 4.9	1.814	2.687	11.8	18.8
12 23	7 40.12	+25 37.9	1.750	2.686	8.0	18.5
1 2	7 31.01	+26 11.0	1.712	2.685	3.8	18.3
1 12	7 20.81	+26 39.7	1.703	2.684	2.0	18.1
1 22	7 10.76	+27 0.7	1.723	2.683	5.8	18.4
2 1	7 2.12	+27 12.6	1.771	2.682	9.9	18.6
2 11	6 55.86	+27 15.8	1.843	2.681	13.5	18.8

379799 2011 HP_{93} 1 10.2 100.°07 5.°4/ 7.6 18

12 3	7 53.00	+35 52.0	2.367	3.142	12.8	20.4
12 13	7 48.12	+37 6.7	2.295	3.152	10.3	20.3
12 23	7 40.67	+38 18.4	2.246	3.162	7.7	20.1
1 2	7 31.22	+39 20.6	2.225	3.171	5.8	20.0
1 12	7 20.78	+40 7.7	2.233	3.181	5.6	20.0
1 22	7 10.50	+40 36.4	2.270	3.190	7.4	20.1
2 1	7 1.54	+40 46.4	2.334	3.200	9.9	20.3
2 11	6 54.83	+40 40.4	2.422	3.209	12.3	20.5

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
107789	2001 FM_{52}		1 10.2	204.°38	2.°4/ 9.6	18
	h m	° ′			°	m
12 3	7 57.87	+26 59.3	1.722	2.507	16.5	20.1
12 13	7 52.61	+27 21.0	1.633	2.504	13.1	19.8
12 23	7 44.07	+27 44.7	1.565	2.499	8.9	19.6
1 2	7 32.91	+28 5.2	1.523	2.494	4.5	19.3
1 12	7 20.39	+28 17.3	1.510	2.489	2.7	19.2
1 22	7 8.06	+28 17.9	1.525	2.482	6.7	19.4
2 1	6 57.45	+28 7.0	1.568	2.476	11.1	19.6
2 11	6 49.73	+27 46.9	1.634	2.468	15.1	19.9
164149	2003 YL_{114}		1 10.2	297.°46	0.°9/ 9.8	18
12 3	7 48.38	+21 47.9	2.242	3.023	13.3	19.9
12 13	7 44.38	+22 29.9	2.150	3.020	10.4	19.7
12 23	7 38.10	+23 18.4	2.082	3.017	7.0	19.5
1 2	7 30.04	+24 9.9	2.041	3.014	3.2	19.3
1 12	7 21.04	+25 0.2	2.030	3.012	1.3	19.1
1 22	7 12.09	+25 45.6	2.048	3.009	4.9	19.4
2 1	7 4.21	+26 23.6	2.096	3.006	8.6	19.6
2 11	6 58.24	+26 53.2	2.169	3.004	11.8	19.8
274198	2008 HY_{22}		1 10.2	106.°25	3.°5/ 9.4	17 R
12 3	8 0.39	+28 30.3	1.499	2.291	18.2	21.0
12 13	7 54.71	+29 6.6	1.436	2.309	14.3	20.8
12 23	7 45.43	+29 43.6	1.393	2.327	9.8	20.6
1 2	7 33.46	+30 14.4	1.375	2.345	5.3	20.4
1 12	7 20.32	+30 32.7	1.385	2.362	3.8	20.3
1 22	7 7.79	+30 35.4	1.423	2.378	7.4	20.6
2 1	6 57.48	+30 23.4	1.488	2.394	11.8	20.9
2 11	6 50.46	+30 0.5	1.575	2.409	15.6	21.1
359234	2009 EO_{16}		1 10.2	157.°74	3.°0/11.2	18
12 3	7 52.01	+12 48.6	2.057	2.815	15.0	21.4
12 13	7 47.14	+12 43.6	1.971	2.821	12.1	21.3
12 23	7 39.89	+12 49.2	1.907	2.827	8.6	21.0
1 2	7 30.83	+13 5.0	1.869	2.832	5.0	20.8
1 12	7 20.88	+13 29.4	1.861	2.837	3.0	20.7
1 22	7 11.10	+13 59.9	1.882	2.841	5.5	20.9
2 1	7 2.54	+14 33.8	1.932	2.844	9.1	21.1
2 11	6 56.03	+15 8.6	2.008	2.847	12.4	21.3
414478	2009 PG_6		1 10.2	197.°46	5.°5/ 7.9	18
12 3	7 55.94	+35 19.5	2.228	3.001	13.6	21.1
12 13	7 50.69	+36 28.3	2.141	2.998	11.0	20.9
12 23	7 42.58	+37 35.1	2.078	2.995	8.2	20.7
1 2	7 32.19	+38 32.7	2.042	2.992	5.9	20.6
1 12	7 20.56	+39 14.9	2.036	2.988	5.7	20.6
1 22	7 9.02	+39 37.8	2.058	2.984	7.7	20.7
2 1	6 58.87	+39 41.1	2.108	2.979	10.5	20.9
2 11	6 51.19	+39 27.8	2.181	2.973	13.3	21.0
444175	2005 OH_5		1 10.2	167.°67	0.°6/10.0	18
12 3	7 58.29	+23 14.7	1.843	2.618	15.9	22.1
12 13	7 52.46	+23 21.2	1.758	2.624	12.5	21.9
12 23	7 43.68	+23 31.2	1.696	2.629	8.5	21.6
1 2	7 32.63	+23 41.4	1.660	2.632	3.9	21.4
1 12	7 20.49	+23 48.4	1.653	2.636	1.1	21.2
1 22	7 8.62	+23 49.7	1.676	2.638	5.7	21.5
2 1	6 58.37	+23 45.0	1.728	2.639	10.1	21.7
2 11	6 50.73	+23 35.4	1.805	2.640	13.9	22.0
272700	2005 YY_{10}		1 10.2	95.°95	0.°6/ 9.9	18
12 3	7 51.00	+22 4.8	1.995	2.778	14.6	21.4
12 13	7 46.55	+22 29.3	1.915	2.786	11.4	21.2
12 23	7 39.58	+22 59.3	1.859	2.794	7.7	21.0
1 2	7 30.71	+23 31.3	1.828	2.802	3.5	20.8
1 12	7 20.92	+24 1.6	1.827	2.809	1.1	20.6
1 22	7 11.35	+24 27.1	1.855	2.817	5.2	20.9
2 1	7 3.12	+24 46.2	1.912	2.825	9.1	21.2
2 11	6 57.09	+24 58.6	1.993	2.832	12.5	21.4
423127	2004 CP_{20}		1 10.2	308.°48	0.°8/ 9.9	18
12 3	7 47.86	+22 38.9	2.059	2.847	14.1	21.0
12 13	7 44.33	+23 1.2	1.954	2.828	11.1	20.8
12 23	7 38.29	+23 29.0	1.871	2.808	7.5	20.5
1 2	7 30.22	+23 59.4	1.815	2.788	3.5	20.3
1 12	7 21.00	+24 28.7	1.787	2.769	1.2	20.0
1 22	7 11.73	+24 53.8	1.788	2.750	5.3	20.3
2 1	7 3.57	+25 12.6	1.816	2.731	9.4	20.5
2 11	6 57.50	+25 24.6	1.870	2.712	13.1	20.7
75989	2000 DF_7		1 10.2	353.°22	1.°7/ 9.4	18
12 3	7 48.84	+23 24.2	2.059	2.846	14.1	18.7
12 13	7 44.99	+24 17.3	1.972	2.845	11.0	18.5
12 23	7 38.65	+25 16.9	1.908	2.844	7.4	18.3
1 2	7 30.34	+26 18.3	1.871	2.843	3.6	18.1
1 12	7 20.99	+27 16.5	1.863	2.843	2.0	18.0
1 22	7 11.71	+28 6.8	1.884	2.842	5.6	18.2
2 1	7 3.62	+28 46.7	1.934	2.842	9.3	18.4
2 11	6 57.67	+29 15.6	2.009	2.842	12.7	18.6

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
245991	2006 SK_{274}		1 10.2	136.°77	4.°5/12.4	18
	h m	° ′			°	m
12 3	7 45.98	+ 5 11.3	2.802	3.526	12.2	21.0
12 13	7 41.79	+ 4 55.5	2.714	3.533	10.1	20.9
12 23	7 35.96	+ 4 51.3	2.649	3.540	7.8	20.7
1 2	7 28.93	+ 4 59.5	2.609	3.546	5.6	20.6
1 12	7 21.33	+ 5 19.8	2.599	3.553	4.5	20.5
1 22	7 13.84	+ 5 50.8	2.619	3.559	5.5	20.6
2 1	7 7.15	+ 6 30.2	2.668	3.565	7.6	20.7
2 11	7 1.84	+ 7 14.9	2.743	3.570	9.9	20.9
319814	2006 VB_{66}		1 10.2	56.°61	0.°3/10.3	18
12 3	7 51.35	+20 8.6	1.655	2.447	16.8	21.1
12 13	7 47.23	+20 20.4	1.583	2.457	13.2	20.9
12 23	7 40.23	+20 39.7	1.532	2.468	8.9	20.7
1 2	7 31.05	+21 3.6	1.505	2.479	4.1	20.4
1 12	7 20.86	+21 28.4	1.507	2.490	0.9	20.2
1 22	7 11.00	+21 50.8	1.537	2.501	5.7	20.6
2 1	7 2.75	+22 8.9	1.594	2.513	10.2	20.9
2 11	6 57.06	+22 22.1	1.674	2.524	14.0	21.1
373802	2002 VP_{41}		1 10.2	94.°98	4.°1/ 8.5	18
12 3	7 51.90	+32 37.5	2.344	3.123	12.8	20.5
12 13	7 47.10	+33 29.4	2.269	3.133	10.2	20.3
12 23	7 39.88	+34 19.7	2.218	3.143	7.3	20.1
1 2	7 30.83	+35 3.0	2.194	3.153	4.8	20.0
1 12	7 20.91	+35 34.6	2.199	3.163	4.3	20.0
1 22	7 11.21	+35 51.9	2.234	3.172	6.4	20.1
2 1	7 2.80	+35 54.7	2.297	3.182	9.2	20.3
2 11	6 56.50	+35 45.0	2.384	3.192	11.8	20.5
126261	2002 AL_{78}		1 10.2	154.°00	1.°9/ 9.5	18
12 3	7 51.50	+24 58.7	2.049	2.833	14.3	20.4
12 13	7 47.03	+25 37.6	1.964	2.835	11.2	20.2
12 23	7 39.98	+26 20.4	1.903	2.837	7.6	20.0
1 2	7 30.94	+27 3.0	1.868	2.839	3.7	19.8
1 12	7 20.88	+27 40.7	1.862	2.841	2.2	19.7
1 22	7 10.97	+28 9.9	1.885	2.843	5.6	19.9
2 1	7 2.36	+28 29.1	1.937	2.844	9.4	20.1
2 11	6 55.98	+28 38.6	2.014	2.846	12.7	20.3
354950	2006 EF_{73}		1 10.2	348.°97	3.°4/ 9.4	18
12 3	7 51.95	+27 34.9	1.294	2.111	19.2	21.3
12 13	7 48.94	+28 3.5	1.218	2.106	15.2	21.0
12 23	7 42.11	+28 35.0	1.161	2.102	10.5	20.7
1 2	7 32.18	+29 3.0	1.127	2.099	5.5	20.4
1 12	7 20.64	+29 20.5	1.118	2.097	3.7	20.3
1 22	7 9.38	+29 23.5	1.135	2.095	8.0	20.5
2 1	7 0.27	+29 11.8	1.176	2.094	13.1	20.8
2 11	6 54.62	+28 48.4	1.238	2.093	17.6	21.1
69568	1998 BK_{12}		1 10.2	262.°68	0.°2/10.1	18
12 3	7 51.61	+19 37.7	1.649	2.440	16.9	19.0
12 13	7 47.79	+20 11.9	1.558	2.432	13.4	18.8
12 23	7 40.92	+20 56.8	1.489	2.425	9.1	18.5
1 2	7 31.54	+21 48.7	1.444	2.418	4.2	18.2
1 12	7 20.78	+22 42.3	1.427	2.410	1.0	17.9
1 22	7 10.02	+23 32.4	1.439	2.403	6.1	18.3
2 1	7 0.74	+24 15.1	1.478	2.395	11.0	18.5
2 11	6 54.12	+24 49.0	1.540	2.387	15.1	18.8
260923	2005 RK_{31}		1 10.2	89.°70	2.°5/10.9	18
12 3	7 53.75	+14 54.0	2.087	2.846	14.8	20.4
12 13	7 48.18	+14 35.7	2.022	2.874	11.7	20.2
12 23	7 40.37	+14 25.6	1.979	2.901	8.2	20.1
1 2	7 30.97	+14 23.1	1.963	2.928	4.5	19.9
1 12	7 20.96	+14 27.0	1.977	2.955	2.6	19.8
1 22	7 11.36	+14 35.7	2.021	2.981	5.1	20.0
2 1	7 3.11	+14 47.5	2.095	3.006	8.6	20.3
2 11	6 56.93	+15 1.0	2.193	3.031	11.6	20.5
421385	2013 UO_6		1 10.2	305.°44	1.°3/ 9.9	18
12 3	7 51.54	+26 10.0	2.197	2.978	13.5	20.5
12 13	7 46.82	+26 9.5	2.107	2.976	10.6	20.3
12 23	7 39.71	+26 9.5	2.040	2.974	7.2	20.0
1 2	7 30.78	+26 7.1	1.999	2.972	3.4	19.8
1 12	7 20.99	+26 0.0	1.988	2.970	1.6	19.7
1 22	7 11.40	+25 46.9	2.007	2.968	5.1	19.9
2 1	7 3.08	+25 27.8	2.055	2.966	8.7	20.1
2 11	6 56.84	+25 4.1	2.128	2.964	12.0	20.3
22352	1992 UP_3		1 10.2	44.°10	3.°1/ 9.5	18
12 3	7 54.04	+26 35.6	1.278	2.091	19.6	18.4
12 13	7 50.18	+27 12.8	1.223	2.109	15.3	18.2
12 23	7 42.59	+27 53.1	1.188	2.128	10.4	18.0
1 2	7 32.23	+28 29.9	1.176	2.148	5.3	17.7
1 12	7 20.69	+28 56.3	1.190	2.169	3.4	17.7
1 22	7 9.82	+29 8.6	1.230	2.189	7.6	18.0
2 1	7 1.25	+29 6.8	1.295	2.211	12.3	18.3
2 11	6 56.05	+28 53.8	1.381	2.232	16.3	18.6

51099 2000 HZ_8 1 10.2 117.°70 3.°8/11.7 18 R

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 47.86	+ 9 44.5	2.501	3.246	13.0	20.0
12 13	7 43.45	+ 9 23.8	2.417	3.255	10.6	19.8
12 23	7 37.18	+ 9 13.1	2.355	3.264	7.8	19.7
1 2	7 29.55	+ 9 12.7	2.320	3.273	5.1	19.5
1 12	7 21.28	+ 9 22.3	2.315	3.281	3.8	19.5
1 22	7 13.18	+ 9 40.5	2.339	3.290	5.2	19.6
2 1	7 6.02	+10 5.3	2.392	3.298	7.9	19.7
2 11	7 0.45	+10 34.3	2.472	3.306	10.6	19.9

453176 2008 EY_{35} 1 10.2 302.°98 8.°4/13.5 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 47.09	+ 0 2.1	1.770	2.503	18.0	20.9
12 13	7 43.84	− 0 27.0	1.677	2.493	15.5	20.7
12 23	7 38.03	− 0 34.9	1.602	2.483	12.6	20.4
1 2	7 30.15	− 0 17.6	1.549	2.473	9.9	20.3
1 12	7 21.12	+ 0 26.2	1.521	2.463	8.4	20.1
1 22	7 12.08	+ 1 34.3	1.520	2.453	9.3	20.2
2 1	7 4.20	+ 3 1.4	1.544	2.444	11.9	20.3
2 11	6 58.50	+ 4 39.8	1.593	2.434	15.0	20.5

495497 2014 UD_{139} 1 10.2 95.°76 0.°9/10.4 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 52.16	+19 45.8	1.906	2.686	15.3	21.6
12 13	7 47.49	+19 36.8	1.826	2.694	12.1	21.4
12 23	7 40.23	+19 33.3	1.768	2.701	8.2	21.2
1 2	7 31.05	+19 33.7	1.736	2.708	3.9	20.9
1 12	7 20.97	+19 35.9	1.733	2.716	1.1	20.7
1 22	7 11.16	+19 38.3	1.759	2.723	5.2	21.0
2 1	7 2.77	+19 39.7	1.814	2.730	9.3	21.3
2 11	6 56.65	+19 39.9	1.893	2.737	12.9	21.5

488613 2002 RC_{263} 1 10.2 77.°97 0.°5/10.5 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 46.57	+19 21.4	3.223	3.983	10.1	22.1
12 13	7 41.98	+19 24.5	3.152	4.009	7.8	22.0
12 23	7 35.94	+19 31.1	3.107	4.035	5.3	21.8
1 2	7 28.90	+19 40.0	3.090	4.061	2.5	21.7
1 12	7 21.46	+19 50.0	3.105	4.087	0.7	21.5
1 22	7 14.22	+19 59.9	3.151	4.113	3.3	21.8
2 1	7 7.79	+20 8.6	3.227	4.138	5.9	22.0
2 11	7 2.65	+20 15.9	3.331	4.163	8.2	22.2

364395 2006 VJ_{87} 1 10.2 104.°96 2.°8/10.9 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 53.68	+14 48.5	1.986	2.749	15.4	21.4
12 13	7 48.35	+14 24.4	1.914	2.768	12.2	21.3
12 23	7 40.63	+14 8.5	1.863	2.786	8.6	21.1
1 2	7 31.17	+14 0.8	1.839	2.804	4.8	20.9
1 12	7 20.96	+14 0.3	1.844	2.821	2.8	20.8
1 22	7 11.11	+14 5.4	1.879	2.838	5.5	21.0
2 1	7 2.64	+14 14.8	1.942	2.854	9.1	21.2
2 11	6 56.32	+14 26.6	2.031	2.870	12.3	21.5

50418 2000 DC_7 1 10.2 342.°25 6.°9/13.2 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 46.28	+ 3 10.7	1.514	2.276	19.4	18.2
12 13	7 43.64	+ 3 14.5	1.427	2.269	16.3	17.9
12 23	7 38.13	+ 3 43.3	1.359	2.263	12.7	17.7
1 2	7 30.27	+ 4 39.7	1.312	2.257	9.0	17.5
1 12	7 21.12	+ 6 2.2	1.290	2.252	6.9	17.3
1 22	7 11.97	+ 7 45.4	1.295	2.248	8.3	17.4
2 1	7 4.21	+ 9 40.7	1.326	2.244	11.9	17.6
2 11	6 58.96	+11 39.0	1.381	2.241	15.8	17.8

494878 2008 HD_{48} 1 10.2 31.°09 12.°3/14.7 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 47.83	− 9 4.1	1.878	2.556	18.8	21.4
12 13	7 44.16	−10 27.0	1.801	2.557	16.9	21.2
12 23	7 38.06	−11 26.7	1.742	2.559	14.9	21.1
1 2	7 30.10	−11 56.8	1.703	2.561	13.2	21.0
1 12	7 21.18	−11 53.5	1.686	2.563	12.3	20.9
1 22	7 12.37	−11 16.8	1.693	2.565	12.6	20.9
2 1	7 4.77	−10 10.7	1.723	2.567	13.9	21.0
2 11	6 59.23	− 8 42.5	1.775	2.569	15.8	21.2

414945 2011 BR_{56} 1 10.2 21.°40 2.°8/ 9.1 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 49.94	+25 35.5	1.656	2.457	16.4	20.9
12 13	7 46.46	+26 32.4	1.581	2.461	12.8	20.7
12 23	7 39.96	+27 34.8	1.528	2.466	8.7	20.5
1 2	7 31.07	+28 36.6	1.500	2.472	4.5	20.2
1 12	7 20.98	+29 31.2	1.500	2.477	3.2	20.2
1 22	7 11.10	+30 13.5	1.527	2.484	6.8	20.4
2 1	7 2.83	+30 41.2	1.581	2.491	11.0	20.7
2 11	6 57.23	+30 55.2	1.658	2.498	14.6	20.9

168372 1996 XV_{22} 1 10.2 83.°13 0.°9/ 9.8 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 49.22	+21 52.7	2.343	3.120	12.9	20.3
12 13	7 44.82	+22 36.7	2.266	3.133	10.0	20.1
12 23	7 38.28	+23 26.3	2.212	3.146	6.7	19.9
1 2	7 30.14	+24 17.8	2.187	3.160	3.1	19.7
1 12	7 21.22	+25 7.2	2.191	3.173	1.2	19.6
1 22	7 12.48	+25 51.2	2.226	3.186	4.7	19.9
2 1	7 4.83	+26 27.7	2.290	3.199	8.0	20.1
2 11	6 59.03	+26 55.9	2.380	3.212	11.0	20.3

83779 2001 TE_{198} 1 10.2 90.°74 2.°0/ 9.5 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 52.74	+24 19.4	1.856	2.643	15.4	19.9
12 13	7 48.18	+25 6.9	1.783	2.656	12.0	19.7
12 23	7 40.85	+25 59.4	1.732	2.668	8.1	19.5
1 2	7 31.40	+26 51.8	1.708	2.680	3.9	19.3
1 12	7 20.94	+27 38.8	1.713	2.692	2.3	19.2
1 22	7 10.74	+28 16.1	1.746	2.704	5.9	19.4
2 1	7 2.04	+28 41.9	1.808	2.716	9.9	19.7
2 11	6 55.79	+28 56.8	1.894	2.728	13.3	19.9

166896 2003 AV_1 1 10.2 66.°07 2.°8/11.5 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 47.05	+11 44.1	2.268	3.028	13.8	20.1
12 13	7 43.10	+11 51.4	2.185	3.035	11.1	19.9
12 23	7 37.11	+12 9.8	2.123	3.043	7.9	19.7
1 2	7 29.60	+12 38.8	2.088	3.050	4.6	19.5
1 12	7 21.34	+13 16.3	2.083	3.058	2.8	19.4
1 22	7 13.23	+13 59.7	2.106	3.066	4.9	19.6
2 1	7 6.14	+14 46.0	2.159	3.074	8.2	19.8
2 11	7 0.80	+15 32.1	2.238	3.082	11.2	20.0

431573 2007 UF_{128} 1 10.2 132.°81 4.°3/ 8.3 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 51.74	+33 48.1	2.534	3.308	12.1	21.3
12 13	7 46.91	+34 42.6	2.454	3.313	9.6	21.2
12 23	7 39.77	+35 35.0	2.397	3.319	7.0	21.0
1 2	7 30.85	+36 20.3	2.369	3.324	4.8	20.9
1 12	7 21.06	+36 53.7	2.370	3.329	4.5	20.9
1 22	7 11.42	+37 12.8	2.401	3.334	6.3	21.0
2 1	7 2.96	+37 17.1	2.460	3.339	8.9	21.2
2 11	6 56.49	+37 8.5	2.544	3.343	11.4	21.3

41011 1999 UB_{16} 1 10.2 101.°85 0.°9/10.5 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 49.95	+18 21.0	2.114	2.889	14.2	19.6
12 13	7 45.55	+18 29.6	2.032	2.896	11.1	19.4
12 23	7 38.85	+18 45.3	1.972	2.903	7.6	19.2
1 2	7 30.42	+19 6.1	1.939	2.911	3.7	19.0
1 12	7 21.16	+19 29.5	1.935	2.918	1.1	18.8
1 22	7 12.10	+19 53.1	1.961	2.925	4.8	19.1
2 1	7 4.24	+20 14.8	2.016	2.932	8.6	19.3
2 11	6 58.37	+20 33.5	2.096	2.939	11.9	19.6

458756 2011 RQ_{11} 1 10.2 76.°65 0.°2/10.2 17

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 57.03	+21 35.2	1.544	2.332	17.9	21.8
12 13	7 51.64	+21 47.4	1.487	2.359	14.0	21.6
12 23	7 43.13	+22 5.6	1.451	2.386	9.4	21.4
1 2	7 32.39	+22 26.1	1.440	2.413	4.3	21.2
1 12	7 20.77	+22 44.7	1.457	2.439	1.0	21.0
1 22	7 9.77	+22 58.6	1.502	2.465	6.0	21.4
2 1	7 0.73	+23 6.7	1.575	2.491	10.5	21.7
2 11	6 54.54	+23 9.5	1.671	2.516	14.3	22.0

210772 2001 AN_8 1 10.2 356.°26 3.°0/11.1 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 43.58	+14 28.8	1.113	1.937	21.2	19.7
12 13	7 42.52	+14 29.8	1.041	1.931	17.1	19.4
12 23	7 37.88	+14 48.6	0.986	1.926	12.0	19.1
1 2	7 30.31	+15 24.7	0.951	1.923	6.5	18.8
1 12	7 21.18	+16 14.5	0.940	1.921	3.1	18.6
1 22	7 12.22	+17 12.1	0.953	1.921	7.5	18.9
2 1	7 5.20	+18 10.9	0.989	1.923	13.0	19.2
2 11	7 1.43	+19 5.7	1.045	1.926	18.0	19.5

41307 1999 XA_{149} 1 10.2 138.°04 1.°1/ 9.8 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 50.82	+23 46.7	2.211	2.990	13.5	20.2
12 13	7 46.26	+24 10.6	2.126	2.994	10.5	20.0
12 23	7 39.36	+24 38.1	2.064	2.998	7.1	19.8
1 2	7 30.67	+25 6.1	2.029	3.002	3.3	19.6
1 12	7 21.12	+25 31.0	2.024	3.006	1.4	19.4
1 22	7 11.74	+25 50.2	2.049	3.009	5.0	19.7
2 1	7 3.56	+26 2.5	2.103	3.013	8.6	19.9
2 11	6 57.40	+26 8.0	2.182	3.016	11.8	20.1

236866 2007 RR_{216} 1 10.2 201.°58 3.°3/ 9.1 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 52.33	+31 46.9	2.426	3.201	12.5	20.3
12 13	7 47.38	+32 12.1	2.337	3.200	9.9	20.1
12 23	7 40.08	+32 35.2	2.272	3.199	7.0	19.9
1 2	7 31.00	+32 52.1	2.234	3.197	4.2	19.7
1 12	7 21.06	+32 59.2	2.225	3.195	3.5	19.7
1 22	7 11.30	+32 54.6	2.247	3.193	5.8	19.8
2 1	7 2.77	+32 38.6	2.297	3.191	8.7	20.0
2 11	6 56.27	+32 13.0	2.373	3.189	11.5	20.2

258045 2001 MK_{12} 1 10.2 107.°28 2.°5/ 9.2 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 54.88	+26 9.1	2.048	2.826	14.5	20.9
12 13	7 49.57	+27 4.9	1.978	2.846	11.3	20.7
12 23	7 41.64	+28 3.8	1.932	2.865	7.6	20.6
1 2	7 31.73	+29 0.4	1.914	2.883	4.0	20.4
1 12	7 20.90	+29 49.1	1.925	2.902	2.8	20.3
1 22	7 10.37	+30 26.2	1.967	2.919	5.9	20.6
2 1	7 1.29	+30 50.5	2.037	2.937	9.4	20.8
2 11	6 54.53	+31 2.9	2.132	2.953	12.5	21.0

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
276395	2002 XK_{17}		1 10.2	102.°76	0.°0/10.1	18
	h m	° ′			°	m
12 3	7 56.57	+22 43.0	1.957	2.731	15.2	20.5
12 13	7 50.70	+22 31.0	1.886	2.751	11.9	20.3
12 23	7 42.25	+22 21.6	1.838	2.770	8.0	20.1
1 2	7 31.94	+22 12.6	1.816	2.789	3.7	19.9
1 12	7 20.88	+22 2.0	1.824	2.807	0.8	19.7
1 22	7 10.27	+21 48.8	1.863	2.825	5.1	20.0
2 1	7 1.23	+21 33.2	1.930	2.843	9.1	20.3
2 11	6 54.55	+21 16.0	2.023	2.860	12.5	20.6
20442	1999 JK_{52}		1 10.2	163.°84	0.°6/10.1	18
12 3	7 57.58	+22 36.2	1.562	2.350	17.8	18.7
12 13	7 52.49	+22 45.4	1.481	2.354	14.0	18.4
12 23	7 44.05	+23 0.1	1.422	2.358	9.5	18.2
1 2	7 32.99	+23 16.4	1.387	2.361	4.4	17.9
1 12	7 20.62	+23 30.1	1.381	2.363	1.2	17.6
1 22	7 8.55	+23 38.0	1.402	2.365	6.4	18.0
2 1	6 58.33	+23 39.3	1.451	2.367	11.3	18.3
2 11	6 51.10	+23 34.8	1.524	2.368	15.5	18.5
308746	2006 JT_{37}		1 10.2	207.°92	4.°3/11.5	18
12 3	7 51.94	+10 29.8	1.945	2.700	15.9	21.8
12 13	7 47.37	+10 8.3	1.850	2.696	13.0	21.6
12 23	7 40.26	+ 9 58.8	1.777	2.691	9.5	21.3
1 2	7 31.17	+10 2.1	1.730	2.686	6.1	21.1
1 12	7 21.01	+10 17.7	1.710	2.680	4.3	21.0
1 22	7 10.93	+10 43.8	1.719	2.674	6.4	21.1
2 1	7 2.05	+11 17.6	1.757	2.667	10.0	21.3
2 11	6 55.31	+11 55.7	1.819	2.660	13.5	21.5
225200	2008 JT_{34}		1 10.2	87.°96	3.°7/11.8	18
12 3	7 49.93	+ 9 54.9	2.012	2.768	15.4	21.3
12 13	7 45.49	+ 9 57.1	1.939	2.785	12.4	21.1
12 23	7 38.77	+10 12.7	1.887	2.802	9.0	20.9
1 2	7 30.38	+10 41.5	1.860	2.818	5.6	20.7
1 12	7 21.21	+11 21.4	1.862	2.835	3.7	20.7
1 22	7 12.29	+12 9.1	1.894	2.851	5.7	20.8
2 1	7 4.61	+13 1.0	1.954	2.867	9.0	21.0
2 11	6 58.92	+13 53.6	2.039	2.883	12.1	21.3
191609	2004 HA_{18}		1 10.2	217.°42	5.°0/11.4	18
12 3	7 53.57	+10 25.6	1.752	2.512	17.2	20.8
12 13	7 48.95	+ 9 48.6	1.658	2.506	14.1	20.6
12 23	7 41.50	+ 9 23.5	1.585	2.499	10.5	20.4
1 2	7 31.80	+ 9 12.1	1.536	2.491	6.8	20.1
1 12	7 20.88	+ 9 14.7	1.515	2.484	5.0	20.0
1 22	7 10.01	+ 9 30.2	1.522	2.475	7.2	20.1
2 1	7 0.50	+ 9 55.9	1.556	2.466	11.1	20.3
2 11	6 53.41	+10 28.5	1.615	2.456	14.9	20.5
461110	2015 BX_{413}		1 10.2	200.°71	1.°3/ 9.6	17
12 3	7 49.41	+25 35.3	2.782	3.553	11.2	21.8
12 13	7 44.73	+25 57.1	2.686	3.550	8.8	21.6
12 23	7 38.13	+26 20.5	2.615	3.547	5.9	21.4
1 2	7 30.07	+26 42.8	2.572	3.543	2.9	21.2
1 12	7 21.28	+27 1.5	2.560	3.540	1.6	21.1
1 22	7 12.57	+27 14.5	2.578	3.536	4.3	21.3
2 1	7 4.79	+27 21.0	2.627	3.531	7.3	21.5
2 11	6 58.61	+27 21.2	2.702	3.527	10.1	21.6
86686	2000 FU_{39}		1 10.2	229.°45	2.°4/ 9.5	18
12 3	7 55.46	+25 30.7	1.767	2.553	16.1	19.9
12 13	7 50.81	+26 10.6	1.672	2.544	12.7	19.7
12 23	7 42.99	+26 55.5	1.600	2.534	8.7	19.4
1 2	7 32.58	+27 40.3	1.553	2.524	4.4	19.2
1 12	7 20.70	+28 18.9	1.534	2.513	2.7	19.0
1 22	7 8.83	+28 46.6	1.545	2.502	6.7	19.2
2 1	6 58.47	+29 1.6	1.583	2.490	11.1	19.5
2 11	6 50.85	+29 4.9	1.644	2.478	15.0	19.7
166819	2002 VK_{93}		1 10.2	104.°78	5.°7/12.6	18
12 3	7 48.48	+ 2 53.4	2.656	3.367	13.1	20.2
12 13	7 43.73	+ 2 13.7	2.581	3.387	11.0	20.1
12 23	7 37.27	+ 1 46.6	2.529	3.406	8.7	20.0
1 2	7 29.60	+ 1 33.7	2.502	3.425	6.7	19.9
1 12	7 21.40	+ 1 35.6	2.504	3.443	5.7	19.8
1 22	7 13.40	+ 1 51.3	2.535	3.461	6.4	19.9
2 1	7 6.31	+ 2 18.6	2.595	3.479	8.3	20.1
2 11	7 0.72	+ 2 54.4	2.680	3.496	10.4	20.2
114204	2002 VU_{103}		1 10.2	304.°73	6.°2/11.2	18
12 3	7 51.22	+ 9 36.4	1.742	2.504	17.2	19.4
12 13	7 47.05	+ 8 25.7	1.651	2.498	14.2	19.2
12 23	7 40.17	+ 7 24.9	1.582	2.491	10.8	19.0
1 2	7 31.16	+ 6 37.4	1.537	2.485	7.6	18.8
1 12	7 21.04	+ 6 5.6	1.519	2.479	6.2	18.7
1 22	7 11.04	+ 5 50.4	1.528	2.473	8.1	18.8
2 1	7 2.40	+ 5 50.5	1.564	2.467	11.5	18.9
2 11	6 56.08	+ 6 3.0	1.623	2.462	14.9	19.1

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
449503	2014 GW_{17}		1 10.2	282.°14	0.°7/10.1	18
	h m	° ′			°	m
12 3	7 54.10	+22 49.7	1.397	2.200	18.8	21.6
12 13	7 50.54	+22 55.2	1.301	2.182	15.0	21.3
12 23	7 43.29	+23 6.9	1.225	2.164	10.3	21.0
1 2	7 32.89	+23 21.1	1.172	2.146	4.8	20.6
1 12	7 20.64	+23 33.2	1.145	2.128	1.3	20.3
1 22	7 8.30	+23 39.5	1.145	2.110	7.2	20.6
2 1	6 57.76	+23 38.4	1.170	2.091	12.8	20.9
2 11	6 50.48	+23 30.9	1.217	2.073	17.8	21.1
495860	2003 SW_{187}		1 10.2	85.°91	2.°6/11.0	18
12 3	7 50.15	+14 44.7	2.121	2.887	14.4	21.0
12 13	7 45.59	+14 23.9	2.042	2.898	11.5	20.9
12 23	7 38.81	+14 11.0	1.985	2.909	8.1	20.7
1 2	7 30.40	+14 6.0	1.955	2.920	4.6	20.5
1 12	7 21.25	+14 7.8	1.954	2.931	2.7	20.4
1 22	7 12.35	+14 15.2	1.982	2.942	5.2	20.6
2 1	7 4.64	+14 26.6	2.039	2.952	8.6	20.8
2 11	6 58.88	+14 40.2	2.121	2.963	11.8	21.0
125388	2001 VF_{84}		1 10.2	305.°15	4.°2/ 8.3	18
12 3	7 50.69	+27 37.7	1.745	2.543	15.8	19.3
12 13	7 47.35	+28 58.9	1.649	2.527	12.5	19.0
12 23	7 40.87	+30 27.3	1.576	2.511	8.8	18.8
1 2	7 31.70	+31 55.7	1.528	2.495	5.2	18.5
1 12	7 20.91	+33 15.5	1.509	2.480	4.6	18.5
1 22	7 9.94	+34 19.5	1.517	2.465	7.9	18.6
2 1	7 0.37	+35 4.1	1.552	2.450	12.0	18.8
2 11	6 53.51	+35 29.6	1.610	2.435	15.7	19.0
349100	2007 EQ_{220}		1 10.2	352.°79	2.°2/10.8	18
12 3	7 50.10	+16 39.6	1.241	2.051	20.3	20.9
12 13	7 47.34	+16 34.1	1.165	2.048	16.2	20.7
12 23	7 40.99	+16 41.5	1.107	2.045	11.3	20.4
1 2	7 31.73	+17 0.8	1.072	2.043	5.8	20.1
1 12	7 20.94	+17 28.6	1.061	2.042	2.4	19.8
1 22	7 10.35	+18 0.8	1.075	2.042	7.2	20.1
2 1	7 1.71	+18 33.3	1.114	2.042	12.6	20.4
2 11	6 56.28	+19 3.4	1.174	2.042	17.4	20.7
379996	2013 CX_{126}		1 10.2	230.°08	0.°8/10.5	18
12 3	7 52.47	+18 6.7	1.771	2.552	16.3	21.7
12 13	7 48.23	+18 25.6	1.678	2.546	12.9	21.4
12 23	7 41.11	+18 54.4	1.606	2.539	8.9	21.2
1 2	7 31.67	+19 30.6	1.559	2.532	4.3	20.9
1 12	7 20.95	+20 10.6	1.541	2.524	1.1	20.6
1 22	7 10.26	+20 50.1	1.552	2.516	5.7	20.9
2 1	7 0.95	+21 26.0	1.591	2.508	10.3	21.2
2 11	6 54.10	+21 56.6	1.653	2.499	14.4	21.4
452559	2004 YV_{26}		1 10.2	343.°52	0.°6/10.4	18
12 3	7 48.44	+18 28.2	1.351	2.160	19.0	21.6
12 13	7 45.88	+18 49.8	1.270	2.154	15.1	21.3
12 23	7 39.95	+19 24.0	1.208	2.148	10.3	21.0
1 2	7 31.25	+20 7.9	1.168	2.142	4.9	20.7
1 12	7 21.04	+20 56.5	1.155	2.138	1.1	20.4
1 22	7 10.93	+21 44.1	1.168	2.134	6.7	20.8
2 1	7 2.57	+22 26.3	1.205	2.131	12.1	21.1
2 11	6 57.22	+23 0.8	1.265	2.129	16.7	21.3
264592	2001 TL_{233}		1 10.2	40.°00	2.°2/ 9.3	18
12 3	7 50.78	+23 13.6	1.565	2.366	17.2	20.1
12 13	7 47.19	+24 17.9	1.496	2.377	13.4	19.9
12 23	7 40.49	+25 30.5	1.449	2.388	9.0	19.7
1 2	7 31.36	+26 44.8	1.427	2.400	4.4	19.5
1 12	7 21.04	+27 53.6	1.433	2.413	2.6	19.4
1 22	7 10.98	+28 50.7	1.467	2.425	6.7	19.7
2 1	7 2.63	+29 33.1	1.527	2.439	11.1	19.9
2 11	6 57.05	+30 1.0	1.610	2.452	14.9	20.2
6685	Boitsov		1 10.2	188.°79	2.°2/10.9	18
12 3	7 54.76	+15 27.4	1.855	2.622	16.1	18.6
12 13	7 49.74	+15 25.5	1.764	2.622	12.9	18.4
12 23	7 41.95	+15 33.5	1.695	2.621	9.0	18.1
1 2	7 31.99	+15 50.2	1.651	2.619	4.8	17.9
1 12	7 20.90	+16 13.5	1.636	2.616	2.3	17.7
1 22	7 9.91	+16 40.5	1.651	2.613	5.7	17.9
2 1	7 0.30	+17 8.6	1.694	2.609	10.0	18.2
2 11	6 53.06	+17 35.8	1.762	2.604	13.8	18.4
409530	2005 TB_{138}		1 10.2	58.°69	2.°3/ 9.5	18
12 3	7 52.42	+25 51.7	1.728	2.522	16.1	20.9
12 13	7 48.13	+26 27.8	1.658	2.534	12.6	20.7
12 23	7 40.91	+27 7.3	1.610	2.547	8.5	20.4
1 2	7 31.48	+27 44.9	1.588	2.559	4.3	20.2
1 12	7 21.03	+28 15.6	1.593	2.572	2.6	20.1
1 22	7 10.92	+28 36.0	1.627	2.585	6.3	20.4
2 1	7 2.46	+28 44.9	1.688	2.599	10.3	20.7
2 11	6 56.61	+28 43.8	1.773	2.612	13.9	20.9

391777 2008 *PO* 1 10.2 103.°41 2.°9/11.2 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 55.71	+12 51.9	1.673	2.440	17.7	21.8
12 13	7 50.40	+13 0.5	1.607	2.463	14.1	21.6
12 23	7 42.27	+13 22.7	1.562	2.486	9.9	21.4
1 2	7 32.05	+13 57.0	1.542	2.508	5.5	21.2
1 12	7 20.92	+14 40.0	1.551	2.529	2.9	21.1
1 22	7 10.20	+15 27.6	1.588	2.550	6.0	21.3
2 1	7 1.12	+16 15.9	1.654	2.570	10.1	21.6
2 11	6 54.60	+17 1.8	1.744	2.589	13.8	21.9

106865 2000 YU_{27} 1 10.2 44.°55 1.°1/ 9.9 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 53.87	+23 28.7	1.279	2.089	19.8	19.7
12 13	7 49.92	+23 42.3	1.223	2.109	15.4	19.5
12 23	7 42.38	+24 1.4	1.187	2.128	10.3	19.3
1 2	7 32.18	+24 21.3	1.174	2.149	4.8	19.0
1 12	7 20.90	+24 37.0	1.188	2.170	1.6	18.9
1 22	7 10.28	+24 45.4	1.227	2.191	6.8	19.3
2 1	7 1.88	+24 45.8	1.291	2.213	11.8	19.6
2 11	6 56.73	+24 39.5	1.378	2.236	16.0	19.9

152684 1998 KV_{26} 1 10.2 197.°01 4.°6/11.7 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 49.73	+ 7 51.8	2.518	3.251	13.2	20.6
12 13	7 44.99	+ 7 16.4	2.421	3.249	10.9	20.5
12 23	7 38.32	+ 6 50.8	2.346	3.246	8.3	20.3
1 2	7 30.19	+ 6 36.6	2.298	3.242	5.8	20.1
1 12	7 21.31	+ 6 34.1	2.279	3.238	4.6	20.0
1 22	7 12.51	+ 6 42.7	2.290	3.233	5.9	20.1
2 1	7 4.61	+ 7 0.7	2.330	3.229	8.5	20.3
2 11	6 58.32	+ 7 25.8	2.397	3.223	11.1	20.4

149441 2003 BO_{87} 1 10.2 278.°35 4.°0/ 8.9 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 53.09	+30 24.6	1.920	2.709	14.9	20.4
12 13	7 48.87	+31 8.9	1.822	2.693	11.9	20.2
12 23	7 41.65	+31 54.2	1.746	2.677	8.4	19.9
1 2	7 31.97	+32 34.6	1.695	2.661	5.1	19.7
1 12	7 20.90	+33 4.2	1.673	2.644	4.2	19.6
1 22	7 9.80	+33 18.8	1.680	2.628	7.2	19.8
2 1	7 0.13	+33 17.6	1.713	2.612	11.0	19.9
2 11	6 53.03	+33 2.6	1.770	2.595	14.5	20.1

226114 2002 PD_{133} 1 10.2 118.°95 1.°3/ 9.9 17

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 58.76	+24 31.1	1.528	2.318	18.0	20.9
12 13	7 53.36	+24 41.7	1.457	2.330	14.2	20.7
12 23	7 44.57	+24 55.8	1.407	2.343	9.6	20.4
1 2	7 33.20	+25 8.9	1.382	2.355	4.5	20.2
1 12	7 20.68	+25 16.5	1.385	2.366	1.7	20.0
1 22	7 8.63	+25 16.0	1.416	2.378	6.5	20.3
2 1	6 58.60	+25 7.4	1.474	2.388	11.2	20.6
2 11	6 51.65	+24 52.6	1.555	2.398	15.3	20.9

304081 2006 GK_{40} 1 10.2 231.°03 7.°0/ 7.4 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 58.64	+37 10.5	1.914	2.691	15.4	21.4
12 13	7 53.61	+38 32.3	1.825	2.681	12.6	21.2
12 23	7 45.09	+39 51.9	1.757	2.671	9.7	21.0
1 2	7 33.65	+41 0.1	1.716	2.660	7.4	20.8
1 12	7 20.53	+41 48.1	1.703	2.648	7.3	20.8
1 22	7 7.38	+42 10.8	1.717	2.636	9.5	20.9
2 1	6 55.92	+42 7.9	1.758	2.623	12.6	21.1
2 11	6 47.51	+41 43.8	1.820	2.610	15.6	21.2

324551 2006 WA_{69} 1 10.2 306.°79 3.°9/11.3 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 49.63	+12 15.4	1.792	2.564	16.5	21.1
12 13	7 45.78	+11 50.5	1.703	2.560	13.3	20.9
12 23	7 39.31	+11 36.8	1.635	2.556	9.7	20.6
1 2	7 30.78	+11 35.2	1.591	2.552	5.9	20.4
1 12	7 21.19	+11 45.1	1.575	2.549	4.0	20.3
1 22	7 11.71	+12 4.7	1.587	2.545	6.4	20.4
2 1	7 3.53	+12 31.4	1.626	2.542	10.3	20.6
2 11	6 57.61	+13 2.1	1.689	2.538	13.9	20.9

518457 2005 GF_{177} 1 10.2 169.°27 21.°5/15.2 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 53.24	−16 26.4	1.243	1.915	27.0	21.7
12 13	7 49.77	−19 22.4	1.186	1.916	25.3	21.5
12 23	7 42.66	−21 45.0	1.142	1.917	23.6	21.4
1 2	7 32.55	−23 20.1	1.112	1.918	22.3	21.3
1 12	7 20.79	−23 56.8	1.098	1.918	21.6	21.3
1 22	7 9.11	−23 31.7	1.101	1.918	21.7	21.3
2 1	6 59.31	−22 9.6	1.119	1.918	22.7	21.3
2 11	6 52.77	−20 3.4	1.153	1.918	24.2	21.5

8043 Fukuhara 1 10.2 39.°35 3.°9/ 8.9 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 52.97	+26 6.4	1.334	2.145	19.0	17.4
12 13	7 49.60	+27 18.1	1.267	2.152	15.0	17.1
12 23	7 42.51	+28 36.9	1.220	2.160	10.3	16.9
1 2	7 32.43	+29 54.3	1.197	2.167	5.6	16.6
1 12	7 20.83	+31 0.7	1.200	2.176	4.3	16.6
1 22	7 9.55	+31 49.4	1.229	2.184	8.3	16.8
2 1	7 0.35	+32 17.9	1.283	2.193	12.9	17.1
2 11	6 54.53	+32 28.5	1.359	2.203	17.0	17.4

194857 2002 AL_{29} 1 10.2 4.°18 9.°5/ 9.1 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 59.62	+14 9.1	1.153	1.946	22.5	18.4
12 13	7 54.70	+11 4.6	1.079	1.945	18.6	18.2
12 23	7 45.83	+ 7 58.6	1.026	1.945	14.3	17.9
1 2	7 33.90	+ 5 1.8	0.997	1.946	10.6	17.7
1 12	7 20.55	+ 2 27.0	0.994	1.948	9.7	17.7
1 22	7 7.75	+ 0 24.4	1.017	1.952	12.4	17.8
2 1	6 57.31	− 1 1.3	1.063	1.957	16.5	18.1
2 11	6 50.46	− 1 53.2	1.130	1.963	20.4	18.3

280788 2005 SK_{187} 1 10.2 107.°07 2.°5/10.9 17

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 55.71	+16 2.6	1.545	2.325	18.3	20.8
12 13	7 50.75	+15 47.0	1.474	2.340	14.5	20.6
12 23	7 42.70	+15 41.6	1.424	2.353	10.1	20.4
1 2	7 32.33	+15 45.4	1.398	2.367	5.3	20.1
1 12	7 20.91	+15 56.4	1.400	2.380	2.6	20.0
1 22	7 9.90	+16 11.9	1.430	2.392	6.3	20.3
2 1	7 0.66	+16 29.7	1.487	2.405	10.8	20.5
2 11	6 54.20	+16 47.8	1.567	2.417	14.8	20.8

329652 2003 SZ_{283} 1 10.2 82.°14 6.°8/12.8 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 49.35	+ 2 16.8	2.181	2.902	15.4	21.1
12 13	7 44.79	+ 1 30.9	2.112	2.922	12.9	20.9
12 23	7 38.18	+ 1 0.4	2.063	2.942	10.3	20.8
1 2	7 30.11	+ 0 47.7	2.039	2.962	7.9	20.7
1 12	7 21.40	+ 0 53.6	2.043	2.982	6.8	20.6
1 22	7 12.94	+ 1 16.7	2.074	3.001	7.6	20.7
2 1	7 5.62	+ 1 54.0	2.133	3.020	9.7	20.9
2 11	7 0.09	+ 2 41.0	2.217	3.039	12.0	21.1

394461 2007 RR_{238} 1 10.2 120.°34 2.°7/ 9.3 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 57.90	+27 28.3	1.954	2.731	15.1	21.8
12 13	7 52.04	+28 10.5	1.884	2.750	11.8	21.6
12 23	7 43.36	+28 54.1	1.838	2.769	8.1	21.4
1 2	7 32.58	+29 33.7	1.818	2.787	4.3	21.2
1 12	7 20.86	+30 4.2	1.828	2.804	3.0	21.2
1 22	7 9.52	+30 22.4	1.868	2.821	6.1	21.4
2 1	6 59.80	+30 28.1	1.936	2.837	9.8	21.6
2 11	6 52.62	+30 23.1	2.029	2.852	13.0	21.9

422628 2014 UV_{102} 1 10.2 164.°74 1.°0/10.6 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 50.91	+17 41.6	2.036	2.810	14.7	21.6
12 13	7 46.50	+17 56.0	1.949	2.812	11.6	21.4
12 23	7 39.64	+18 18.6	1.884	2.814	7.9	21.2
1 2	7 30.90	+18 47.5	1.845	2.816	3.9	20.9
1 12	7 21.21	+19 19.8	1.835	2.818	1.2	20.7
1 22	7 11.65	+19 52.4	1.855	2.819	5.0	21.0
2 1	7 3.30	+20 22.8	1.904	2.820	9.0	21.3
2 11	6 57.05	+20 49.5	1.978	2.821	12.5	21.5

461759 2005 UM_{250} 1 10.2 120.°69 3.°8/11.4 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 52.47	+11 14.9	2.260	3.006	14.2	21.9
12 13	7 47.17	+10 42.4	2.182	3.022	11.5	21.7
12 23	7 39.77	+10 19.2	2.127	3.038	8.4	21.5
1 2	7 30.84	+10 5.9	2.099	3.054	5.3	21.4
1 12	7 21.24	+10 2.5	2.100	3.068	3.8	21.3
1 22	7 11.91	+10 7.7	2.131	3.083	5.6	21.4
2 1	7 3.73	+10 20.1	2.191	3.097	8.6	21.6
2 11	6 57.42	+10 37.4	2.278	3.110	11.4	21.9

145781 1998 FO_{41} 1 10.2 352.°29 17.°5/19.2 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 42.73	−17 43.5	1.521	2.179	23.3	19.0
12 13	7 40.94	−19 16.2	1.450	2.171	21.8	18.8
12 23	7 36.35	−20 15.3	1.391	2.165	20.2	18.7
1 2	7 29.52	−20 31.3	1.347	2.160	18.7	18.6
1 12	7 21.49	−19 57.7	1.321	2.156	17.7	18.5
1 22	7 13.53	−18 33.8	1.313	2.153	17.5	18.5
2 1	7 6.94	−16 25.1	1.324	2.152	18.2	18.5
2 11	7 2.81	−13 43.1	1.354	2.152	19.6	18.6

155519 1999 RS_{251} 1 10.2 133.°70 1.°4/ 9.8 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 52.01	+25 2.1	2.166	2.945	13.7	21.3
12 13	7 47.25	+25 22.4	2.082	2.951	10.7	21.1
12 23	7 40.07	+25 45.2	2.022	2.956	7.2	20.9
1 2	7 31.07	+26 7.1	1.989	2.961	3.5	20.7
1 12	7 21.19	+26 24.7	1.985	2.966	1.7	20.6
1 22	7 11.51	+26 35.6	2.011	2.971	5.1	20.8
2 1	7 3.11	+26 39.0	2.066	2.975	8.8	21.0
2 11	6 56.81	+26 35.6	2.146	2.980	12.0	21.3

31558 1999 EE_6 1 10.2 354.°09 5.°4/ 8.9 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 53.25	+31 6.3	1.312	2.126	19.1	18.8
12 13	7 50.15	+31 57.5	1.238	2.123	15.3	18.5
12 23	7 43.08	+32 49.2	1.184	2.121	10.9	18.3
1 2	7 32.78	+33 33.0	1.153	2.119	6.7	18.0
1 12	7 20.80	+34 0.0	1.147	2.118	5.7	18.0
1 22	7 9.14	+34 5.6	1.167	2.118	9.2	18.2
2 1	6 59.72	+33 50.0	1.210	2.118	13.7	18.4
2 11	6 53.90	+33 17.9	1.274	2.119	17.8	18.7

264746 2002 CP_{209} 1 10.2 10.°21 2.°9/11.4 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 46.10	+12 30.9	1.473	2.267	18.4	19.9
12 13	7 43.56	+12 51.3	1.397	2.269	14.8	19.6
12 23	7 38.09	+13 29.0	1.341	2.272	10.4	19.4
1 2	7 30.30	+14 22.6	1.309	2.277	5.8	19.1
1 12	7 21.35	+15 28.2	1.302	2.282	2.9	19.0
1 22	7 12.57	+16 39.8	1.323	2.288	6.3	19.2
2 1	7 5.32	+17 51.4	1.369	2.295	10.9	19.5
2 11	7 0.67	+18 58.2	1.439	2.303	15.0	19.7

105190 2000 OZ_{34} 1 10.2 83.°21 2.°2/10.7 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 54.33	+17 24.8	1.923	2.693	15.5	19.5
12 13	7 48.96	+16 51.5	1.852	2.712	12.3	19.3
12 23	7 41.12	+16 24.3	1.804	2.731	8.5	19.1
1 2	7 31.49	+16 2.8	1.782	2.750	4.5	18.9
1 12	7 21.15	+15 46.4	1.790	2.769	2.3	18.8
1 22	7 11.22	+15 34.5	1.827	2.788	5.4	19.1
2 1	7 2.76	+15 26.3	1.892	2.806	9.2	19.3
2 11	6 56.55	+15 21.1	1.983	2.825	12.5	19.6

192058 2006 BT_{43} 1 10.2 75.°93 0.°8/10.5 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 49.96	+18 31.8	2.018	2.796	14.6	21.0
12 13	7 45.71	+18 41.4	1.938	2.804	11.5	20.8
12 23	7 39.06	+18 58.4	1.880	2.813	7.8	20.6
1 2	7 30.62	+19 20.7	1.849	2.821	3.8	20.3
1 12	7 21.32	+19 45.5	1.847	2.830	1.0	20.1
1 22	7 12.23	+20 10.1	1.874	2.838	4.9	20.4
2 1	7 4.41	+20 32.6	1.930	2.847	8.8	20.7
2 11	6 58.67	+20 51.7	2.011	2.855	12.2	20.9

111184 2001 WZ_{6} 1 10.2 155.°61 1.°9/11.1 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 47.52	+14 36.4	2.741	3.497	11.7	20.6
12 13	7 43.15	+14 33.9	2.650	3.501	9.3	20.5
12 23	7 37.02	+14 38.5	2.583	3.505	6.5	20.3
1 2	7 29.60	+14 49.4	2.543	3.508	3.6	20.1
1 12	7 21.54	+15 5.5	2.534	3.512	2.0	20.0
1 22	7 13.60	+15 25.2	2.555	3.515	4.1	20.1
2 1	7 6.51	+15 46.8	2.606	3.518	7.1	20.3
2 11	7 0.89	+16 8.8	2.683	3.520	9.8	20.5

100426 1996 HB_{7} 1 10.2 44.°21 1.°8/10.8 17

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 51.27	+15 50.5	1.366	2.164	19.4	19.3
12 13	7 47.53	+16 4.9	1.310	2.186	15.3	19.1
12 23	7 40.63	+16 32.8	1.275	2.210	10.4	18.9
1 2	7 31.39	+17 11.5	1.263	2.234	5.2	18.7
1 12	7 21.17	+17 56.4	1.277	2.258	1.9	18.5
1 22	7 11.49	+18 42.4	1.318	2.283	6.3	18.9
2 1	7 3.71	+19 25.6	1.384	2.309	11.0	19.2
2 11	6 58.78	+20 3.5	1.474	2.334	15.0	19.5

419979 2011 CP_{10} 1 10.2 325.°54 4.°6/ 9.2 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 55.20	+33 58.8	1.859	2.646	15.4	20.9
12 13	7 50.47	+34 19.9	1.773	2.641	12.3	20.7
12 23	7 42.63	+34 36.6	1.709	2.636	8.9	20.5
1 2	7 32.37	+34 43.1	1.671	2.632	5.7	20.3
1 12	7 20.95	+34 34.6	1.660	2.628	4.8	20.2
1 22	7 9.83	+34 9.2	1.678	2.624	7.4	20.4
2 1	7 0.42	+33 28.6	1.722	2.620	10.9	20.6
2 11	6 53.78	+32 36.8	1.790	2.617	14.3	20.8

454371 2014 MX_{45} 1 10.2 179.°15 0.°8/ 9.9 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 54.87	+22 25.3	2.005	2.780	14.8	22.5
12 13	7 49.74	+22 53.2	1.916	2.782	11.6	22.2
12 23	7 41.93	+23 26.6	1.850	2.783	7.9	22.0
1 2	7 32.01	+24 2.0	1.811	2.784	3.7	21.8
1 12	7 21.02	+24 34.9	1.802	2.784	1.3	21.6
1 22	7 10.15	+25 2.1	1.822	2.783	5.4	21.9
2 1	7 0.64	+25 21.7	1.871	2.782	9.5	22.1
2 11	6 53.43	+25 33.8	1.946	2.779	13.0	22.3

121269 1999 RK_{108} 1 10.2 194.°10 1.°3/10.6 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 51.48	+18 28.6	2.360	3.125	13.2	19.9
12 13	7 46.57	+18 15.6	2.266	3.124	10.4	19.7
12 23	7 39.50	+18 7.5	2.194	3.122	7.1	19.5
1 2	7 30.80	+18 3.2	2.150	3.120	3.6	19.3
1 12	7 21.29	+18 1.6	2.136	3.117	1.4	19.1
1 22	7 11.91	+18 1.3	2.152	3.114	4.6	19.3
2 1	7 3.60	+18 1.6	2.198	3.111	8.1	19.5
2 11	6 57.13	+18 1.9	2.270	3.107	11.3	19.7

180856 2005 HX_{5} 1 10.3 91.°24 3.°4/11.5 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 52.09	+11 21.4	1.864	2.625	16.3	21.0
12 13	7 47.35	+11 22.7	1.794	2.645	13.1	20.8
12 23	7 40.14	+11 37.4	1.746	2.665	9.3	20.7
1 2	7 31.10	+12 4.5	1.723	2.685	5.5	20.5
1 12	7 21.25	+12 41.9	1.729	2.704	3.4	20.4
1 22	7 11.71	+13 26.0	1.764	2.723	5.8	20.6
2 1	7 3.57	+14 13.3	1.827	2.742	9.4	20.8
2 11	6 57.63	+15 0.3	1.916	2.760	12.7	21.1

445085 2008 TR_{96} 1 10.3 22.°48 4.°0/ 9.6 17

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 55.41	+29 55.4	1.256	2.070	19.9	20.7
12 13	7 51.71	+30 12.6	1.188	2.074	15.7	20.4
12 23	7 43.99	+30 28.5	1.139	2.078	10.9	20.2
1 2	7 33.12	+30 36.4	1.113	2.083	6.0	19.9
1 12	7 20.81	+30 30.1	1.112	2.089	4.2	19.8
1 22	7 9.05	+30 7.5	1.137	2.096	8.2	20.1
2 1	6 59.72	+29 30.6	1.186	2.103	13.1	20.4
2 11	6 54.01	+28 44.3	1.257	2.111	17.5	20.6

502312 2015 BA_{153} 1 10.3 169.°48 1.°4/10.9 17

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 48.02	+15 36.0	2.411	3.176	12.9	21.7
12 13	7 43.87	+15 55.5	2.319	3.177	10.2	21.5
12 23	7 37.70	+16 23.7	2.251	3.178	7.1	21.3
1 2	7 29.98	+16 59.2	2.209	3.178	3.6	21.1
1 12	7 21.47	+17 39.3	2.198	3.179	1.4	20.9
1 22	7 13.05	+18 21.3	2.217	3.179	4.4	21.1
2 1	7 5.57	+19 2.5	2.265	3.180	7.8	21.3
2 11	6 59.79	+19 40.9	2.340	3.180	10.9	21.5

481884 2008 YS_{166} 1 10.3 238.°71 2.°7/10.2 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	8 3.72	+21 54.1	1.268	2.060	20.9	20.5
12 13	7 58.07	+20 31.9	1.182	2.055	16.8	20.2
12 23	7 48.29	+19 7.0	1.115	2.049	11.7	19.9
1 2	7 35.17	+17 39.9	1.072	2.043	6.0	19.6
1 12	7 20.37	+16 12.8	1.056	2.036	2.9	19.4
1 22	7 5.98	+14 50.2	1.068	2.030	8.1	19.6
2 1	6 53.96	+13 36.9	1.106	2.023	13.8	19.9
2 11	6 45.68	+12 35.9	1.166	2.016	18.8	20.2

311041 2004 BV_{70} 1 10.3 47.°85 1.°1/10.0 17

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 55.04	+23 32.4	1.338	2.144	19.3	20.0
12 13	7 50.58	+23 44.8	1.288	2.170	15.0	19.8
12 23	7 42.69	+24 2.1	1.256	2.196	10.0	19.6
1 2	7 32.32	+24 19.7	1.249	2.223	4.6	19.3
1 12	7 21.02	+24 33.1	1.268	2.250	1.5	19.2
1 22	7 10.45	+24 39.4	1.314	2.278	6.5	19.6
2 1	7 2.07	+24 38.4	1.386	2.306	11.3	19.9
2 11	6 56.81	+24 31.2	1.480	2.334	15.3	20.2

430193 2013 TV_{127} 1 10.3 37.°65 4.°9/ 8.8 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 52.62	+33 48.5	1.916	2.705	14.9	20.9
12 13	7 48.24	+34 31.4	1.847	2.716	11.9	20.7
12 23	7 40.99	+35 11.0	1.801	2.727	8.6	20.5
1 2	7 31.57	+35 41.1	1.780	2.738	5.7	20.4
1 12	7 21.18	+35 56.6	1.787	2.750	5.1	20.4
1 22	7 11.17	+35 55.2	1.822	2.763	7.4	20.5
2 1	7 2.80	+35 37.7	1.883	2.775	10.5	20.8
2 11	6 57.00	+35 7.4	1.968	2.788	13.5	21.0

115596 2003 UC_{99} 1 10.3 111.°52 3.°7/ 8.4 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 51.85	+29 30.0	2.270	3.050	13.2	19.0
12 13	7 47.29	+30 41.7	2.190	3.056	10.4	18.8
12 23	7 40.24	+31 55.3	2.134	3.063	7.3	18.6
1 2	7 31.25	+33 4.8	2.106	3.069	4.5	18.4
1 12	7 21.25	+34 4.4	2.107	3.075	4.0	18.4
1 22	7 11.34	+34 50.1	2.139	3.081	6.4	18.6
2 1	7 2.64	+35 20.3	2.199	3.087	9.4	18.8
2 11	6 56.06	+35 36.1	2.284	3.093	12.2	19.0

17396 1981 EK_{45} 1 10.3 116.°05 2.°9/ 9.6 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 58.17	+28 26.9	1.680	2.467	16.8	19.5
12 13	7 52.77	+28 48.3	1.607	2.478	13.2	19.3
12 23	7 44.14	+29 9.7	1.556	2.490	9.0	19.0
1 2	7 33.06	+29 25.9	1.531	2.500	4.8	18.8
1 12	7 20.89	+29 31.8	1.533	2.511	3.1	18.7
1 22	7 9.17	+29 25.2	1.565	2.521	6.7	19.0
2 1	6 59.34	+29 6.9	1.623	2.531	10.9	19.2
2 11	6 52.42	+28 39.8	1.706	2.540	14.5	19.5

466763 2015 AM_{145} 1 10.3 156.°29 0.°1/10.2 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 49.20	+19 36.5	2.394	3.166	12.8	21.5
12 13	7 44.87	+20 11.6	2.305	3.168	10.0	21.3
12 23	7 38.42	+20 53.6	2.239	3.171	6.8	21.1
1 2	7 30.35	+21 39.7	2.201	3.173	3.1	20.8
1 12	7 21.45	+22 26.6	2.193	3.176	0.7	20.6
1 22	7 12.64	+23 10.8	2.215	3.178	4.4	20.9
2 1	7 4.82	+23 50.0	2.268	3.180	8.0	21.2
2 11	6 58.78	+24 23.0	2.346	3.181	11.0	21.4

398313 2011 FT_{47} 1 10.3 183.°06 4.°8/12.1 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 47.62	+ 6 55.0	2.403	3.141	13.7	21.2
12 13	7 43.48	+ 6 29.6	2.311	3.141	11.3	21.0
12 23	7 37.40	+ 6 16.0	2.242	3.141	8.6	20.8
1 2	7 29.86	+ 6 15.4	2.197	3.141	6.1	20.7
1 12	7 21.57	+ 6 27.9	2.182	3.140	4.8	20.6
1 22	7 13.38	+ 6 52.1	2.195	3.140	6.0	20.7
2 1	7 6.11	+ 7 25.7	2.237	3.139	8.6	20.8
2 11	7 0.47	+ 8 5.6	2.305	3.139	11.3	21.0

447102 2004 TM_{154} 1 10.3 44.°46 1.°5/ 9.9 17

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 53.78	+23 43.3	1.260	2.072	19.9	21.5
12 13	7 50.05	+24 4.3	1.202	2.088	15.6	21.3
12 23	7 42.65	+24 31.2	1.162	2.104	10.5	21.0
1 2	7 32.46	+24 58.8	1.146	2.120	4.9	20.7
1 12	7 21.07	+25 21.4	1.156	2.138	1.9	20.6
1 22	7 10.27	+25 35.3	1.191	2.155	7.1	21.0
2 1	7 1.70	+25 39.4	1.252	2.173	12.1	21.3
2 11	6 56.44	+25 35.2	1.334	2.192	16.4	21.6

203086 2000 QX_{103} 1 10.3 69.°46 1.°3/ 9.9 18

12 3	7 55.78	+22 43.6	1.448	2.245	18.5	20.3
12 13	7 51.09	+23 16.8	1.390	2.267	14.4	20.1
12 23	7 43.08	+23 56.6	1.352	2.290	9.7	19.9
1 2	7 32.59	+24 37.7	1.338	2.312	4.5	19.6
1 12	7 21.05	+25 14.3	1.352	2.334	1.7	19.5
1 22	7 10.06	+25 42.1	1.394	2.357	6.5	19.9
2 1	7 1.10	+25 59.7	1.462	2.379	11.1	20.2
2 11	6 55.15	+26 8.0	1.553	2.401	15.0	20.5

493860 2015 XX_{61} 1 10.3 100.°98 2.°9/11.2 18

12 3	7 53.34	+13 49.3	1.666	2.440	17.4	22.0
12 13	7 48.73	+13 45.4	1.594	2.454	13.9	21.8
12 23	7 41.31	+13 53.7	1.542	2.468	9.8	21.5
1 2	7 31.76	+14 13.3	1.515	2.481	5.4	21.3
1 12	7 21.22	+14 42.0	1.515	2.494	2.9	21.2
1 22	7 10.99	+15 16.2	1.545	2.507	6.1	21.4
2 1	7 2.33	+15 52.7	1.601	2.519	10.2	21.7
2 11	6 56.17	+16 28.6	1.682	2.531	14.0	21.9

492011 2013 FA_{23} 1 10.3 244.°62 0.°5/10.1 18

12 3	7 53.40	+22 1.0	1.864	2.647	15.5	22.3
12 13	7 48.95	+22 15.7	1.766	2.636	12.3	22.1
12 23	7 41.65	+22 36.1	1.690	2.624	8.4	21.8
1 2	7 32.03	+22 59.2	1.639	2.613	3.9	21.5
1 12	7 21.14	+23 21.2	1.618	2.601	1.0	21.3
1 22	7 10.26	+23 39.0	1.625	2.588	5.7	21.6
2 1	7 0.73	+23 50.8	1.661	2.575	10.2	21.8
2 11	6 53.63	+23 56.5	1.721	2.562	14.1	22.0

460810 2014 WV_{51} 1 10.3 40.°76 3.°3/ 9.2 18

12 3	7 52.10	+28 36.6	1.834	2.626	15.4	21.5
12 13	7 47.95	+29 19.6	1.757	2.631	12.1	21.3
12 23	7 40.90	+30 4.1	1.702	2.636	8.4	21.0
1 2	7 31.62	+30 44.5	1.672	2.641	4.7	20.8
1 12	7 21.24	+31 15.3	1.671	2.646	3.6	20.8
1 22	7 11.10	+31 33.1	1.699	2.651	6.7	21.0
2 1	7 2.50	+31 37.0	1.753	2.657	10.4	21.2
2 11	6 56.46	+31 29.0	1.831	2.663	13.8	21.4

14538 1997 RR_8 1 10.3 209.°72 4.°5/11.9 18

12 3	7 47.64	+ 7 43.4	2.417	3.157	13.5	18.9
12 13	7 43.53	+ 7 22.6	2.322	3.154	11.1	18.7
12 23	7 37.46	+ 7 13.2	2.249	3.152	8.4	18.5
1 2	7 29.91	+ 7 16.3	2.202	3.149	5.8	18.4
1 12	7 21.61	+ 7 31.7	2.184	3.146	4.5	18.3
1 22	7 13.37	+ 7 57.9	2.196	3.143	5.8	18.4
2 1	7 6.04	+ 8 32.6	2.236	3.140	8.5	18.5
2 11	7 0.34	+ 9 12.8	2.301	3.137	11.2	18.7

472964 2015 GA_{39} 1 10.3 19.°99 2.°2/ 9.3 18

12 3	7 48.20	+25 59.0	2.308	3.093	12.8	20.7
12 13	7 44.31	+26 46.7	2.224	3.095	10.0	20.5
12 23	7 38.16	+27 37.8	2.164	3.098	6.8	20.3
1 2	7 30.29	+28 27.9	2.130	3.101	3.5	20.1
1 12	7 21.55	+29 12.9	2.127	3.104	2.4	20.1
1 22	7 12.90	+29 49.2	2.153	3.108	5.3	20.3
2 1	7 5.35	+30 15.2	2.207	3.111	8.6	20.5
2 11	6 59.71	+30 31.0	2.287	3.115	11.5	20.7

26361 1999 AJ_5 1 10.3 34.°68 5.°2/ 8.5 18

12 3	7 52.19	+28 50.3	1.337	2.151	18.9	16.5
12 13	7 48.95	+30 15.2	1.282	2.168	14.8	16.2
12 23	7 42.04	+31 43.4	1.247	2.185	10.3	16.0
1 2	7 32.26	+33 5.0	1.237	2.203	6.3	15.9
1 12	7 21.14	+34 10.3	1.252	2.222	5.5	15.9
1 22	7 10.51	+34 53.6	1.293	2.242	8.8	16.1
2 1	7 2.04	+35 13.8	1.359	2.262	12.9	16.4
2 11	6 56.90	+35 14.5	1.446	2.283	16.5	16.7

452992 2007 GK_{65} 1 10.3 183.°91 0.°7/10.5 18

12 3	7 55.66	+19 9.7	2.063	2.829	14.8	22.8
12 13	7 50.23	+19 14.3	1.971	2.830	11.7	22.5
12 23	7 42.21	+19 25.1	1.901	2.830	8.0	22.3
1 2	7 32.20	+19 40.3	1.858	2.829	3.8	22.1
1 12	7 21.15	+19 57.0	1.845	2.828	1.0	21.8
1 22	7 10.24	+20 13.0	1.863	2.825	5.1	22.1
2 1	7 0.62	+20 26.5	1.910	2.822	9.2	22.4
2 11	6 53.20	+20 37.1	1.982	2.818	12.7	22.6

453786 2011 OE_{41} 1 10.3 160.°42 0.°2/10.2 18

	h m	° ′			°	m
12 3	7 57.28	+21 54.8	2.040	2.808	14.8	22.4
12 13	7 51.46	+22 3.9	1.955	2.816	11.7	22.2
12 23	7 43.00	+22 17.4	1.893	2.824	7.9	22.0
1 2	7 32.53	+22 32.2	1.858	2.830	3.6	21.8
1 12	7 21.10	+22 45.5	1.853	2.836	0.8	21.5
1 22	7 9.91	+22 54.7	1.879	2.841	5.2	21.9
2 1	7 0.13	+22 59.0	1.934	2.845	9.2	22.1
2 11	6 52.67	+22 58.7	2.015	2.848	12.7	22.3

460512 2014 SS_{345} 1 10.3 184.°00 2.°4/ 9.5 18

12 3	7 54.16	+27 7.6	2.045	2.825	14.4	21.8
12 13	7 49.25	+27 37.3	1.957	2.826	11.3	21.6
12 23	7 41.65	+28 8.9	1.893	2.825	7.7	21.4
1 2	7 31.96	+28 37.8	1.855	2.825	4.0	21.2
1 12	7 21.21	+28 59.6	1.846	2.824	2.6	21.1
1 22	7 10.63	+29 11.4	1.867	2.823	5.9	21.3
2 1	7 1.42	+29 12.6	1.917	2.822	9.6	21.5
2 11	6 54.55	+29 4.4	1.991	2.820	13.0	21.7

127570 2003 AH_{16} 1 10.3 59.°52 0.°6/10.0 18

12 3	7 52.49	+18 28.7	1.572	2.363	17.6	19.1
12 13	7 48.38	+19 35.8	1.508	2.382	13.7	18.9
12 23	7 41.26	+20 55.4	1.465	2.401	9.2	18.6
1 2	7 31.81	+22 21.7	1.447	2.421	4.2	18.4
1 12	7 21.26	+23 47.4	1.458	2.441	1.2	18.2
1 22	7 11.03	+25 5.4	1.498	2.460	6.1	18.6
2 1	7 2.47	+26 11.1	1.564	2.480	10.6	18.9
2 11	6 56.61	+27 3.2	1.655	2.500	14.4	19.2

281142 2007 DH_{15} 1 10.3 62.°80 4.°8/ 9.2 18

12 3	7 57.08	+30 17.6	1.341	2.148	19.2	20.6
12 13	7 52.94	+31 3.7	1.273	2.154	15.3	20.3
12 23	7 44.84	+31 50.3	1.225	2.161	10.7	20.1
1 2	7 33.62	+32 29.1	1.200	2.167	6.3	19.9
1 12	7 20.89	+32 52.1	1.201	2.174	5.1	19.8
1 22	7 8.62	+32 55.1	1.229	2.181	8.6	20.0
2 1	6 58.68	+32 39.2	1.281	2.188	13.1	20.3
2 11	6 52.32	+32 8.8	1.354	2.196	17.2	20.6

337033 1995 SH_{69} 1 10.3 78.°74 0.°1/10.3 18

12 3	7 49.59	+20 47.6	2.346	3.120	13.0	21.9
12 13	7 45.06	+20 58.2	2.270	3.135	10.1	21.7
12 23	7 38.47	+21 13.4	2.218	3.150	6.8	21.5
1 2	7 30.37	+21 31.0	2.192	3.165	3.2	21.3
1 12	7 21.58	+21 48.7	2.197	3.180	0.6	21.1
1 22	7 13.04	+22 4.4	2.232	3.195	4.3	21.5
2 1	7 5.61	+22 16.8	2.296	3.210	7.8	21.7
2 11	7 0.01	+22 25.6	2.386	3.225	10.8	21.9

410732 2009 CF_{25} 1 10.3 232.°23 2.°3/ 9.6 17

12 3	7 55.28	+26 48.6	1.967	2.748	14.9	22.8
12 13	7 50.39	+27 16.3	1.869	2.737	11.8	22.6
12 23	7 42.61	+27 46.5	1.793	2.726	8.1	22.3
1 2	7 32.49	+28 14.5	1.744	2.715	4.2	22.1
1 12	7 21.11	+28 35.7	1.725	2.703	2.6	21.9
1 22	7 9.76	+28 46.6	1.734	2.691	6.1	22.1
2 1	6 59.79	+28 46.5	1.772	2.678	10.2	22.3
2 11	6 52.28	+28 36.6	1.834	2.664	13.8	22.5

112653 2002 PN_{85} 1 10.3 127.°25 2.°2/11.3 18

12 3	7 48.36	+13 11.3	2.348	3.107	13.4	20.1
12 13	7 44.16	+13 25.5	2.260	3.112	10.7	19.9
12 23	7 37.93	+13 49.8	2.196	3.117	7.5	19.7
1 2	7 30.16	+14 23.3	2.158	3.122	4.2	19.5
1 12	7 21.62	+15 3.8	2.149	3.127	2.2	19.4
1 22	7 13.20	+15 48.3	2.171	3.132	4.6	19.6
2 1	7 5.76	+16 33.9	2.222	3.137	7.9	19.8
2 11	7 0.04	+17 18.2	2.300	3.141	11.0	20.0

496263 2012 PA_{43} 1 10.3 115.°53 4.°9/ 8.7 18

12 3	7 56.25	+38 41.2	2.701	3.459	11.8	21.5
12 13	7 50.24	+39 10.5	2.627	3.473	9.6	21.3
12 23	7 41.92	+39 33.3	2.578	3.486	7.2	21.2
1 2	7 31.94	+39 45.1	2.556	3.500	5.3	21.1
1 12	7 21.27	+39 42.3	2.564	3.513	5.0	21.1
1 22	7 10.97	+39 24.1	2.602	3.525	6.4	21.2
2 1	7 2.01	+38 51.6	2.668	3.538	8.6	21.4
2 11	6 55.15	+38 8.1	2.759	3.550	10.8	21.5

154557 2003 HB_8 1 10.3 285.°01 1.°9/ 9.7 18

12 3	7 51.62	+25 40.8	1.909	2.698	15.0	20.8
12 13	7 47.58	+26 6.0	1.813	2.687	11.8	20.6
12 23	7 40.74	+26 34.6	1.739	2.675	8.1	20.3
1 2	7 31.64	+27 2.4	1.691	2.663	4.0	20.0
1 12	7 21.31	+27 25.1	1.672	2.652	2.2	19.9
1 22	7 11.03	+27 39.3	1.681	2.640	6.0	20.1
2 1	7 2.08	+27 43.8	1.717	2.628	10.1	20.3
2 11	6 55.53	+27 39.4	1.778	2.617	13.8	20.5

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
456582	2007 DU_{34}		1 10.3	227.°53	4.°1/11.9	16
	h m	° ′			°	m
12 3	7 48.93	+ 8 24.3	2.329	3.071	13.9	22.3
12 13	7 44.70	+ 8 17.4	2.227	3.063	11.4	22.1
12 23	7 38.38	+ 8 22.8	2.148	3.054	8.5	21.9
1 2	7 30.42	+ 8 41.2	2.094	3.046	5.6	21.7
1 12	7 21.58	+ 9 11.9	2.070	3.036	4.1	21.6
1 22	7 12.74	+ 9 52.6	2.075	3.027	5.7	21.6
2 1	7 4.82	+10 40.5	2.109	3.017	8.7	21.8
2 11	6 58.61	+11 32.1	2.169	3.007	11.7	22.0
205860	2002 EQ_{80}		1 10.3	273.°23	1.°8/ 9.8	18
12 3	7 53.56	+24 31.7	1.681	2.473	16.5	20.9
12 13	7 49.59	+24 57.5	1.581	2.457	13.1	20.6
12 23	7 42.40	+25 28.7	1.503	2.440	9.0	20.3
1 2	7 32.54	+26 0.8	1.450	2.423	4.4	20.0
1 12	7 21.11	+26 28.7	1.424	2.405	2.1	19.8
1 22	7 9.62	+26 47.9	1.427	2.388	6.6	20.1
2 1	6 59.62	+26 56.8	1.457	2.370	11.4	20.3
2 11	6 52.38	+26 56.1	1.509	2.353	15.6	20.5
167164	2003 ST_{247}		1 10.3	130.°04	1.°6/ 9.8	18
12 3	7 56.14	+24 55.5	1.950	2.728	15.1	21.5
12 13	7 50.73	+25 23.0	1.874	2.741	11.8	21.3
12 23	7 42.58	+25 53.5	1.821	2.754	8.0	21.1
1 2	7 32.36	+26 22.9	1.795	2.766	3.8	20.8
1 12	7 21.20	+26 46.9	1.798	2.778	1.9	20.7
1 22	7 10.33	+27 2.5	1.831	2.789	5.6	21.0
2 1	7 0.99	+27 8.9	1.892	2.800	9.5	21.2
2 11	6 54.07	+27 7.2	1.978	2.810	12.9	21.5
167129	2003 SO_{155}		1 10.3	134.°74	4.°2/11.7	18
12 3	7 53.55	+ 9 32.8	2.123	2.865	15.1	21.6
12 13	7 48.24	+ 9 14.1	2.044	2.881	12.3	21.4
12 23	7 40.67	+ 9 7.3	1.987	2.895	9.0	21.2
1 2	7 31.42	+ 9 12.8	1.956	2.909	5.8	21.0
1 12	7 21.40	+ 9 30.0	1.954	2.922	4.2	21.0
1 22	7 11.61	+ 9 56.7	1.982	2.934	5.9	21.1
2 1	7 3.04	+10 30.2	2.040	2.946	9.0	21.3
2 11	6 56.45	+11 7.5	2.123	2.957	12.1	21.5
426023	2011 LK_{14}		1 10.3	164.°95	4.°7/12.1	18
12 3	7 47.77	+ 6 48.2	2.550	3.283	13.1	21.8
12 13	7 43.48	+ 6 19.2	2.459	3.285	10.8	21.6
12 23	7 37.37	+ 6 1.2	2.390	3.287	8.3	21.5
1 2	7 29.88	+ 5 55.3	2.347	3.289	5.9	21.3
1 12	7 21.72	+ 6 1.9	2.334	3.290	4.7	21.2
1 22	7 13.65	+ 6 19.7	2.349	3.292	5.8	21.3
2 1	7 6.47	+ 6 46.9	2.394	3.293	8.2	21.5
2 11	7 0.83	+ 7 20.6	2.464	3.294	10.7	21.6
16387	1981 EB_{37}		1 10.3	162.°62	4.°2/ 9.0	18
12 3	7 55.01	+32 17.9	1.976	2.759	14.7	18.7
12 13	7 50.14	+32 54.4	1.894	2.760	11.7	18.5
12 23	7 42.36	+33 28.9	1.834	2.761	8.4	18.3
1 2	7 32.33	+33 55.7	1.800	2.762	5.2	18.1
1 12	7 21.20	+34 9.6	1.795	2.763	4.4	18.1
1 22	7 10.32	+34 8.0	1.818	2.764	7.0	18.2
2 1	7 1.00	+33 51.3	1.869	2.764	10.4	18.4
2 11	6 54.24	+33 22.5	1.944	2.765	13.6	18.6
83769	2001 TU_{161}		1 10.3	317.°58	4.°6/11.9	18
12 3	7 46.77	+ 8 33.1	2.263	3.012	14.1	19.9
12 13	7 43.03	+ 8 6.2	2.168	3.007	11.6	19.7
12 23	7 37.24	+ 7 50.6	2.096	3.002	8.7	19.5
1 2	7 29.88	+ 7 47.4	2.049	2.998	5.9	19.3
1 12	7 21.72	+ 7 56.9	2.029	2.993	4.6	19.2
1 22	7 13.62	+ 8 17.6	2.039	2.989	6.0	19.3
2 1	7 6.48	+ 8 47.3	2.077	2.984	8.8	19.5
2 11	7 1.05	+ 9 23.1	2.140	2.980	11.8	19.6
252386	2001 SW_{342}		1 10.3	233.°10	0.°0/10.3	18
12 3	7 51.77	+20 42.7	1.983	2.763	14.8	21.3
12 13	7 47.41	+20 54.4	1.890	2.758	11.7	21.1
12 23	7 40.46	+21 12.2	1.818	2.752	7.9	20.9
1 2	7 31.46	+21 33.6	1.773	2.746	3.7	20.6
1 12	7 21.38	+21 55.4	1.757	2.740	0.8	20.3
1 22	7 11.39	+22 14.9	1.770	2.734	5.2	20.7
2 1	7 2.65	+22 30.3	1.812	2.727	9.4	20.9
2 11	6 56.13	+22 41.0	1.878	2.721	13.0	21.1
278310	2007 HH_{17}		1 10.3	281.°57	5.°5/ 7.7	18
12 3	7 53.06	+33 5.3	1.997	2.783	14.5	20.3
12 13	7 49.02	+34 25.5	1.902	2.769	11.7	20.1
12 23	7 41.93	+35 47.1	1.830	2.754	8.6	19.9
1 2	7 32.31	+37 2.7	1.785	2.740	6.1	19.7
1 12	7 21.18	+38 4.3	1.768	2.725	5.8	19.7
1 22	7 9.93	+38 46.5	1.779	2.711	8.3	19.8
2 1	7 0.02	+39 7.4	1.816	2.696	11.5	20.0
2 11	6 52.69	+39 9.2	1.877	2.681	14.6	20.1

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
262721	2006 XA_{22}		1 10.3	55.°94	0.°5/10.1	18
	h m	° ′			°	m
12 3	7 51.70	+21 51.9	1.750	2.540	16.1	21.1
12 13	7 47.61	+22 11.4	1.671	2.545	12.6	20.9
12 23	7 40.69	+22 37.1	1.613	2.549	8.5	20.7
1 2	7 31.58	+23 5.5	1.581	2.554	3.9	20.4
1 12	7 21.39	+23 32.8	1.576	2.559	1.1	20.2
1 22	7 11.43	+23 55.4	1.601	2.564	5.7	20.5
2 1	7 2.98	+24 11.6	1.652	2.569	10.0	20.8
2 11	6 57.01	+24 21.2	1.728	2.575	13.8	21.0
59592	1999 JW_{58}		1 10.3	325.°56	7.°8/11.9	18
12 3	7 48.42	+ 5 32.7	1.703	2.459	17.8	18.6
12 13	7 45.05	+ 4 21.9	1.612	2.449	15.0	18.4
12 23	7 39.01	+ 3 24.8	1.542	2.440	11.9	18.2
1 2	7 30.85	+ 2 45.8	1.495	2.431	9.0	18.0
1 12	7 21.55	+ 2 27.8	1.473	2.422	7.8	17.9
1 22	7 12.30	+ 2 31.2	1.477	2.414	9.1	18.0
2 1	7 4.31	+ 2 53.9	1.507	2.407	12.1	18.1
2 11	6 58.61	+ 3 31.2	1.559	2.400	15.4	18.3
90836	1995 VF_3		1 10.3	190.°92	0.°7/10.0	18
12 3	7 50.95	+22 0.9	2.152	2.931	13.8	20.2
12 13	7 46.56	+22 28.0	2.063	2.930	10.9	20.0
12 23	7 39.77	+23 0.6	1.996	2.929	7.3	19.8
1 2	7 31.12	+23 35.6	1.956	2.929	3.4	19.5
1 12	7 21.51	+24 9.3	1.945	2.927	1.1	19.3
1 22	7 11.99	+24 38.5	1.964	2.926	5.0	19.6
2 1	7 3.64	+25 1.4	2.013	2.925	8.8	19.8
2 11	6 57.34	+25 17.4	2.086	2.923	12.1	20.1
403318	2009 CK_{62}		1 10.3	150.°35	2.°2/ 9.7	18
12 3	7 56.49	+27 7.7	1.864	2.646	15.5	21.6
12 13	7 51.25	+27 24.3	1.782	2.651	12.2	21.4
12 23	7 43.08	+27 41.8	1.723	2.656	8.3	21.2
1 2	7 32.68	+27 55.9	1.690	2.661	4.2	20.9
1 12	7 21.21	+28 2.4	1.686	2.665	2.4	20.8
1 22	7 10.03	+27 59.2	1.711	2.669	6.0	21.1
2 1	7 0.47	+27 46.2	1.764	2.673	10.1	21.3
2 11	6 53.50	+27 25.5	1.842	2.676	13.6	21.5
406824	2008 YR_{16}		1 10.3	270.°25	0.°1/10.2	18
12 3	7 52.38	+20 35.8	1.675	2.465	16.7	22.0
12 13	7 48.55	+20 56.0	1.578	2.452	13.3	21.7
12 23	7 41.64	+21 24.7	1.502	2.438	9.1	21.4
1 2	7 32.19	+21 58.9	1.451	2.425	4.3	21.1
1 12	7 21.29	+22 34.0	1.428	2.411	0.9	20.8
1 22	7 10.34	+23 5.9	1.433	2.397	6.1	21.2
2 1	7 0.82	+23 31.8	1.465	2.384	11.0	21.4
2 11	6 53.94	+23 50.7	1.521	2.370	15.2	21.6
235068	2003 GF_1		1 10.3	202.°44	0.°7/10.5	18
12 3	7 54.70	+18 49.3	1.995	2.765	15.1	21.5
12 13	7 49.69	+19 1.7	1.899	2.760	11.9	21.3
12 23	7 42.01	+19 21.7	1.825	2.755	8.2	21.1
1 2	7 32.23	+19 47.1	1.778	2.750	3.9	20.8
1 12	7 21.31	+20 14.6	1.761	2.743	1.0	20.6
1 22	7 10.44	+20 41.2	1.773	2.736	5.3	20.9
2 1	7 0.84	+21 4.8	1.815	2.729	9.5	21.1
2 11	6 53.48	+21 24.2	1.882	2.720	13.2	21.3
462794	2010 OM_{121}		1 10.3	71.°89	0.°6/10.2	18
12 3	7 55.91	+24 24.2	1.728	2.514	16.4	21.1
12 13	7 50.72	+24 11.7	1.658	2.529	12.9	20.9
12 23	7 42.62	+24 0.9	1.609	2.544	8.7	20.7
1 2	7 32.41	+23 49.0	1.586	2.560	4.0	20.4
1 12	7 21.31	+23 33.8	1.592	2.575	1.1	20.2
1 22	7 10.70	+23 14.4	1.627	2.590	5.6	20.6
2 1	7 1.82	+22 51.2	1.689	2.605	9.9	20.9
2 11	6 55.57	+22 25.9	1.776	2.620	13.6	21.1
57419	2001 SJ_5		1 10.3	17.°32	3.°1/11.2	18
12 3	7 48.10	+14 2.0	1.468	2.262	18.4	19.6
12 13	7 45.15	+13 56.0	1.394	2.267	14.8	19.3
12 23	7 39.22	+14 3.6	1.341	2.272	10.4	19.1
1 2	7 30.97	+14 24.3	1.310	2.278	5.8	18.8
1 12	7 21.59	+14 55.6	1.306	2.285	3.1	18.7
1 22	7 12.46	+15 33.9	1.328	2.292	6.4	18.9
2 1	7 4.93	+16 15.0	1.376	2.301	11.0	19.2
2 11	7 0.04	+16 55.3	1.447	2.310	15.0	19.5
382234	2012 RE_{29}		1 10.3	141.°87	2.°6/ 9.4	18
12 3	7 52.20	+30 1.8	2.570	3.342	12.0	21.1
12 13	7 47.14	+30 22.4	2.485	3.347	9.4	20.9
12 23	7 39.93	+30 41.8	2.424	3.353	6.5	20.7
1 2	7 31.13	+30 56.4	2.392	3.358	3.7	20.6
1 12	7 21.58	+31 3.2	2.389	3.363	2.8	20.5
1 22	7 12.24	+31 0.6	2.417	3.368	5.1	20.7
2 1	7 4.03	+30 48.6	2.474	3.372	8.0	20.9
2 11	6 57.69	+30 28.8	2.556	3.376	10.7	21.1

283293 2011 JZ_{28} 1 10.3 222.°82 3.°5/11.6 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 48.17	+10 47.7	2.526	3.272	12.9	21.1
12 13	7 43.92	+10 28.8	2.427	3.267	10.4	21.0
12 23	7 37.76	+10 19.0	2.350	3.262	7.7	20.8
1 2	7 30.14	+10 18.8	2.301	3.256	4.9	20.6
1 12	7 21.77	+10 27.8	2.281	3.250	3.5	20.5
1 22	7 13.46	+10 44.7	2.290	3.244	5.1	20.6
2 1	7 6.01	+11 7.8	2.329	3.237	8.0	20.7
2 11	7 0.15	+11 34.9	2.394	3.231	10.8	20.9

257812 2000 FC_{21} 1 10.3 280.°49 5.°6/ 8.0 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 54.02	+32 29.8	1.791	2.582	15.7	20.2
12 13	7 50.08	+33 44.8	1.699	2.569	12.6	19.9
12 23	7 42.84	+35 1.5	1.629	2.556	9.2	19.7
1 2	7 32.82	+36 11.9	1.585	2.543	6.3	19.5
1 12	7 21.18	+37 7.6	1.569	2.530	5.9	19.5
1 22	7 9.46	+37 42.6	1.580	2.517	8.6	19.6
2 1	6 59.30	+37 55.6	1.617	2.504	12.2	19.8
2 11	6 52.01	+37 49.2	1.677	2.491	15.7	20.0

239275 2007 KL_7 1 10.3 79.°47 1.°9/ 9.8 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	8 0.20	+24 41.4	1.648	2.429	17.3	20.3
12 13	7 54.03	+25 19.0	1.596	2.465	13.4	20.2
12 23	7 44.79	+26 0.0	1.567	2.501	9.0	20.0
1 2	7 33.37	+26 38.7	1.564	2.536	4.3	19.8
1 12	7 21.15	+27 9.8	1.589	2.570	2.2	19.7
1 22	7 9.61	+27 30.1	1.644	2.603	6.1	20.0
2 1	7 0.05	+27 39.2	1.727	2.636	10.2	20.3
2 11	6 53.35	+27 39.1	1.834	2.668	13.7	20.6

111890 2002 EK_{153} 1 10.3 136.°42 0.°2/10.4 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 55.40	+20 24.0	2.004	2.775	15.0	20.7
12 13	7 50.01	+20 36.2	1.926	2.788	11.8	20.5
12 23	7 42.05	+20 54.3	1.869	2.801	7.9	20.3
1 2	7 32.16	+21 15.5	1.840	2.812	3.7	20.0
1 12	7 21.38	+21 36.7	1.840	2.823	0.7	19.8
1 22	7 10.86	+21 55.2	1.871	2.834	5.1	20.1
2 1	7 1.74	+22 9.5	1.931	2.844	9.1	20.4
2 11	6 54.89	+22 19.4	2.016	2.853	12.5	20.6

294883 2008 DG_2 1 10.3 359.°02 3.°1/ 9.7 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 53.93	+28 47.9	1.540	2.341	17.4	21.2
12 13	7 49.96	+29 1.9	1.461	2.340	13.8	21.0
12 23	7 42.60	+29 15.8	1.402	2.339	9.5	20.7
1 2	7 32.59	+29 24.1	1.368	2.339	5.1	20.4
1 12	7 21.28	+29 22.2	1.361	2.339	3.3	20.3
1 22	7 10.29	+29 7.6	1.380	2.339	7.1	20.6
2 1	7 1.20	+28 41.1	1.426	2.340	11.6	20.8
2 11	6 55.12	+28 6.1	1.495	2.341	15.6	21.1

412242 2013 HE_{24} 1 10.3 160.°85 1.°8/11.2 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 51.66	+13 34.2	2.499	3.247	12.9	21.6
12 13	7 46.63	+14 0.5	2.408	3.255	10.3	21.4
12 23	7 39.58	+14 36.7	2.341	3.262	7.2	21.2
1 2	7 30.99	+15 21.3	2.302	3.268	3.9	21.0
1 12	7 21.61	+16 11.7	2.293	3.273	1.8	20.9
1 22	7 12.32	+17 4.4	2.316	3.278	4.4	21.1
2 1	7 3.99	+17 56.7	2.370	3.282	7.7	21.3
2 11	6 57.35	+18 46.0	2.451	3.285	10.7	21.5

442696 2012 UY_{94} 1 10.3 63.°75 5.°6/11.8 17

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 53.83	+10 2.9	1.273	2.058	21.2	21.2
12 13	7 49.77	+ 9 32.5	1.215	2.077	17.2	21.0
12 23	7 42.34	+ 9 20.3	1.175	2.096	12.6	20.8
1 2	7 32.39	+ 9 27.7	1.156	2.115	8.0	20.6
1 12	7 21.35	+ 9 53.1	1.163	2.135	5.6	20.5
1 22	7 10.83	+10 32.8	1.196	2.154	8.0	20.7
2 1	7 2.32	+11 21.4	1.254	2.174	12.3	21.0
2 11	6 56.84	+12 13.4	1.334	2.194	16.3	21.3

65610 3470 $T\text{-}3$ 1 10.3 159.°00 5.°8/ 7.9 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 57.63	+38 53.0	2.477	3.238	12.7	19.6
12 13	7 51.82	+39 52.4	2.400	3.245	10.4	19.4
12 23	7 43.34	+40 46.5	2.345	3.251	8.0	19.3
1 2	7 32.80	+41 28.8	2.318	3.256	6.2	19.2
1 12	7 21.25	+41 54.3	2.320	3.261	6.0	19.2
1 22	7 9.91	+42 0.2	2.352	3.265	7.6	19.3
2 1	6 59.98	+41 47.4	2.410	3.269	9.9	19.4
2 11	6 52.39	+41 19.3	2.493	3.273	12.2	19.6

158541 2002 GL_{94} 1 10.3 249.°27 3.°4/11.4 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 49.58	+12 3.2	2.301	3.054	13.8	21.0
12 13	7 45.30	+11 43.0	2.196	3.042	11.2	20.8
12 23	7 38.86	+11 31.9	2.114	3.030	8.1	20.6
1 2	7 30.72	+11 30.2	2.058	3.017	5.0	20.4
1 12	7 21.67	+11 37.6	2.031	3.004	3.4	20.3
1 22	7 12.61	+11 52.9	2.034	2.990	5.4	20.4
2 1	7 4.51	+12 14.1	2.066	2.976	8.7	20.5
2 11	6 58.17	+12 39.0	2.123	2.962	11.9	20.7

36816 2000 SD_{75} 1 10.3 354.°82 6.°6/12.4 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 42.31	+ 7 43.9	1.296	2.094	20.3	17.7
12 13	7 41.05	+ 7 15.9	1.218	2.085	16.8	17.4
12 23	7 36.73	+ 7 8.2	1.158	2.079	12.8	17.2
1 2	7 29.94	+ 7 23.8	1.118	2.074	8.8	16.9
1 12	7 21.82	+ 8 2.9	1.102	2.070	6.6	16.8
1 22	7 13.80	+ 9 1.6	1.110	2.069	8.5	16.9
2 1	7 7.35	+10 13.7	1.142	2.069	12.5	17.1
2 11	7 3.62	+11 31.4	1.196	2.071	16.7	17.4

415202 2012 HH_{11} 1 10.3 109.°89 2.°1/11.1 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 50.15	+14 21.3	2.055	2.822	14.8	20.9
12 13	7 45.86	+14 31.7	1.973	2.830	11.8	20.8
12 23	7 39.26	+14 52.5	1.912	2.838	8.2	20.5
1 2	7 30.89	+15 22.6	1.878	2.845	4.4	20.3
1 12	7 21.65	+15 59.3	1.873	2.853	2.1	20.2
1 22	7 12.57	+16 39.6	1.897	2.860	5.0	20.4
2 1	7 4.68	+17 20.5	1.950	2.867	8.8	20.6
2 11	6 58.79	+17 59.4	2.029	2.874	12.1	20.9

182526 2001 SH_{353} 1 10.3 170.°34 2.°4/11.1 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 50.72	+14 30.7	2.013	2.780	15.0	21.0
12 13	7 46.42	+14 29.7	1.924	2.782	12.0	20.8
12 23	7 39.70	+14 38.6	1.858	2.783	8.4	20.5
1 2	7 31.12	+14 56.7	1.817	2.784	4.6	20.3
1 12	7 21.60	+15 22.0	1.806	2.784	2.4	20.2
1 22	7 12.19	+15 51.9	1.823	2.785	5.3	20.4
2 1	7 3.98	+16 23.7	1.869	2.785	9.1	20.6
2 11	6 57.84	+16 55.2	1.940	2.786	12.6	20.8

331508 1999 XC_{261} 1 10.3 66.°35 3.°2/11.1 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 51.50	+14 36.8	1.994	2.760	15.2	20.3
12 13	7 46.84	+13 57.8	1.916	2.772	12.1	20.2
12 23	7 39.84	+13 26.4	1.861	2.783	8.6	20.0
1 2	7 31.11	+13 3.2	1.832	2.795	5.0	19.8
1 12	7 21.62	+12 48.0	1.831	2.806	3.2	19.7
1 22	7 12.41	+12 40.3	1.860	2.818	5.6	19.9
2 1	7 4.50	+12 38.9	1.917	2.830	9.1	20.1
2 11	6 58.66	+12 42.3	1.999	2.842	12.4	20.3

68076 2000 YT_{87} 1 10.3 85.°88 0.°8/10.6 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 54.76	+18 10.4	1.637	2.420	17.3	19.3
12 13	7 49.93	+18 26.8	1.572	2.440	13.6	19.1
12 23	7 42.18	+18 52.6	1.527	2.460	9.2	18.9
1 2	7 32.26	+19 24.9	1.508	2.480	4.4	18.7
1 12	7 21.39	+19 59.6	1.517	2.500	1.1	18.5
1 22	7 10.93	+20 32.9	1.555	2.519	5.7	18.8
2 1	7 2.16	+21 2.3	1.620	2.538	10.1	19.1
2 11	6 56.02	+21 26.4	1.709	2.557	13.9	19.4

196269 2003 EG_{17} 1 10.3 300.°58 1.°0/10.6 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 51.19	+17 0.2	1.451	2.247	18.5	20.0
12 13	7 47.95	+17 25.8	1.364	2.240	14.8	19.8
12 23	7 41.41	+18 5.3	1.297	2.233	10.2	19.5
1 2	7 32.16	+18 56.2	1.254	2.227	5.0	19.1
1 12	7 21.37	+19 53.5	1.237	2.220	1.3	18.9
1 22	7 10.59	+20 51.2	1.248	2.214	6.5	19.2
2 1	7 1.43	+21 44.3	1.284	2.208	11.7	19.5
2 11	6 55.17	+22 30.0	1.344	2.202	16.3	19.7

279079 2008 WF_{92} 1 10.3 131.°36 1.°4/ 9.8 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 50.78	+25 5.5	2.346	3.123	12.9	21.2
12 13	7 46.22	+25 30.4	2.261	3.128	10.1	21.0
12 23	7 39.42	+25 57.7	2.199	3.132	6.8	20.8
1 2	7 30.95	+26 24.4	2.165	3.137	3.3	20.6
1 12	7 21.65	+26 46.9	2.161	3.141	1.7	20.5
1 22	7 12.52	+27 3.1	2.186	3.145	4.8	20.7
2 1	7 4.51	+27 11.7	2.241	3.149	8.2	20.9
2 11	6 58.42	+27 13.3	2.322	3.153	11.3	21.1

276348 2002 TW_{380} 1 10.3 73.°85 0.°9/ 9.9 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 50.18	+23 40.7	2.218	2.998	13.4	21.1
12 13	7 45.86	+23 57.7	2.133	3.002	10.5	20.9
12 23	7 39.24	+24 18.0	2.071	3.005	7.1	20.7
1 2	7 30.88	+24 38.9	2.036	3.008	3.3	20.5
1 12	7 21.67	+24 57.1	2.030	3.012	1.2	20.3
1 22	7 12.63	+25 10.3	2.054	3.015	4.8	20.6
2 1	7 4.77	+25 17.6	2.106	3.019	8.5	20.8
2 11	6 58.88	+25 19.1	2.185	3.022	11.7	21.0

156059 2001 SP_{57} 1 10.3 104.°78 0.°3/10.2 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 57.55	+21 8.0	1.675	2.456	17.1	20.5
12 13	7 52.08	+21 31.0	1.609	2.477	13.4	20.3
12 23	7 43.62	+22 0.8	1.564	2.498	9.0	20.1
1 2	7 32.93	+22 33.3	1.546	2.519	4.1	19.8
1 12	7 21.26	+23 4.0	1.555	2.538	1.0	19.6
1 22	7 10.04	+23 29.5	1.595	2.557	5.8	20.0
2 1	7 0.58	+23 47.9	1.661	2.576	10.2	20.3
2 11	6 53.83	+23 59.5	1.753	2.594	13.9	20.6

155453 1998 HS_{154} 1 10.3 280.°93 5.°8/ 8.6 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 56.00	+36 33.7	1.965	2.745	14.9	20.2
12 13	7 51.24	+37 16.1	1.876	2.736	12.1	20.0
12 23	7 43.34	+37 53.8	1.809	2.728	9.1	19.8
1 2	7 32.93	+38 20.0	1.768	2.719	6.5	19.6
1 12	7 21.24	+38 28.7	1.754	2.710	6.0	19.6
1 22	7 9.73	+38 16.9	1.768	2.702	8.2	19.7
2 1	6 59.87	+37 45.6	1.809	2.693	11.3	19.8
2 11	6 52.78	+36 59.3	1.873	2.684	14.4	20.0

376405 2012 FB_{62} 1 10.3 252.°92 0.°6/10.5 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 50.62	+18 49.4	2.109	2.884	14.2	21.4
12 13	7 46.43	+19 3.4	2.008	2.873	11.3	21.2
12 23	7 39.80	+19 24.8	1.930	2.861	7.7	21.0
1 2	7 31.23	+19 51.7	1.878	2.850	3.7	20.7
1 12	7 21.58	+20 21.2	1.855	2.838	0.9	20.4
1 22	7 11.93	+20 50.4	1.862	2.826	5.0	20.7
2 1	7 3.38	+21 16.9	1.898	2.814	9.0	20.9
2 11	6 56.85	+21 39.4	1.959	2.801	12.6	21.1

381618 2008 WJ_{120} 1 10.3 72.°72 2.°1/ 9.4 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 50.20	+25 20.8	2.221	3.003	13.4	21.2
12 13	7 45.93	+26 9.9	2.142	3.012	10.4	21.0
12 23	7 39.33	+27 2.7	2.087	3.021	7.1	20.8
1 2	7 30.94	+27 54.8	2.060	3.030	3.6	20.6
1 12	7 21.67	+28 41.7	2.061	3.040	2.3	20.5
1 22	7 12.55	+29 19.6	2.093	3.049	5.3	20.8
2 1	7 4.62	+29 47.0	2.153	3.058	8.7	21.0
2 11	6 58.69	+30 4.1	2.239	3.067	11.7	21.2

34954 1032 $T\text{-}_2$ 1 10.3 119.°39 1.°2/ 9.9 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 52.70	+24 12.9	2.036	2.817	14.4	19.2
12 13	7 48.01	+24 32.5	1.954	2.824	11.3	19.0
12 23	7 40.78	+24 55.5	1.896	2.830	7.6	18.8
1 2	7 31.62	+25 18.4	1.864	2.836	3.6	18.6
1 12	7 21.54	+25 37.5	1.861	2.843	1.5	18.4
1 22	7 11.67	+25 50.4	1.888	2.849	5.3	18.7
2 1	7 3.15	+25 56.0	1.943	2.854	9.1	18.9
2 11	6 56.85	+25 54.9	2.023	2.860	12.5	19.2

300258 2007 HT_4 1 10.3 162.°26 1.°3/10.8 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 55.20	+16 55.5	2.065	2.827	14.9	22.4
12 13	7 49.83	+17 6.0	1.979	2.835	11.8	22.2
12 23	7 41.96	+17 24.8	1.915	2.841	8.1	21.9
1 2	7 32.18	+17 50.2	1.877	2.847	4.1	21.7
1 12	7 21.43	+18 19.3	1.870	2.852	1.4	21.5
1 22	7 10.86	+18 49.1	1.894	2.856	5.0	21.8
2 1	7 1.55	+19 17.4	1.946	2.859	9.0	22.0
2 11	6 54.40	+19 42.8	2.025	2.862	12.5	22.3

48784 1997 SX 1 10.3 89.°74 4.°3/ 8.6 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 52.68	+32 48.5	2.284	3.063	13.1	18.1
12 13	7 47.96	+33 43.0	2.210	3.073	10.4	17.9
12 23	7 40.73	+34 35.8	2.159	3.083	7.5	17.8
1 2	7 31.60	+35 21.4	2.135	3.093	4.9	17.6
1 12	7 21.56	+35 54.8	2.140	3.103	4.5	17.6
1 22	7 11.73	+36 13.2	2.175	3.113	6.6	17.8
2 1	7 3.22	+36 16.4	2.237	3.122	9.4	17.9
2 11	6 56.88	+36 6.5	2.324	3.132	12.0	18.1

257545 1998 RS_{12} 1 10.3 97.°31 0.°0/10.2 14 C

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 55.94	+20 54.7	1.945	2.718	15.3	23.2
12 13	7 50.36	+21 9.8	1.880	2.743	11.9	23.0
12 23	7 42.21	+21 30.2	1.836	2.768	8.0	22.8
1 2	7 32.22	+21 53.1	1.820	2.793	3.7	22.6
1 12	7 21.46	+22 15.0	1.834	2.817	0.8	22.4
1 22	7 11.11	+22 33.3	1.877	2.840	5.1	22.8
2 1	7 2.27	+22 46.7	1.949	2.862	9.0	23.0
2 11	6 55.75	+22 55.3	2.047	2.884	12.3	23.3

122155 2000 JY_{60} 1 10.3 149.°60 0.°7/10.1 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 57.37	+23 10.2	1.905	2.680	15.5	20.7
12 13	7 51.77	+23 22.1	1.824	2.689	12.2	20.5
12 23	7 43.38	+23 37.9	1.766	2.698	8.2	20.3
1 2	7 32.85	+23 54.2	1.734	2.706	3.8	20.0
1 12	7 21.32	+24 7.3	1.731	2.714	1.1	19.8
1 22	7 10.07	+24 14.7	1.759	2.721	5.5	20.1
2 1	7 0.35	+24 15.9	1.815	2.727	9.6	20.4
2 11	6 53.12	+24 11.5	1.897	2.732	13.2	20.6

502554 2015 BO_{472} 1 10.3 198.°93 1.°4/ 9.8 17

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 52.11	+27 25.1	3.045	3.807	10.5	22.2
12 13	7 46.73	+27 28.5	2.945	3.803	8.3	22.0
12 23	7 39.51	+27 31.4	2.870	3.799	5.6	21.8
1 2	7 30.94	+27 31.4	2.824	3.794	2.8	21.6
1 12	7 21.72	+27 26.7	2.810	3.789	1.6	21.5
1 22	7 12.62	+27 16.2	2.827	3.784	4.0	21.7
2 1	7 4.42	+26 59.9	2.875	3.778	6.9	21.9
2 11	6 57.76	+26 38.8	2.950	3.771	9.4	22.1

460579 2014 UV_{13} 1 10.3 88.°74 2.°7/ 9.5 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 55.11	+27 58.3	1.944	2.727	15.0	21.2
12 13	7 49.96	+28 28.3	1.875	2.744	11.7	21.0
12 23	7 42.10	+28 58.9	1.829	2.762	8.0	20.8
1 2	7 32.22	+29 25.3	1.810	2.779	4.2	20.6
1 12	7 21.47	+29 43.1	1.819	2.796	2.9	20.5
1 22	7 11.09	+29 50.0	1.858	2.813	6.0	20.8
2 1	7 2.29	+29 45.9	1.925	2.830	9.6	21.0
2 11	6 55.93	+29 32.6	2.016	2.846	12.8	21.2

189100 2001 RQ_{54} 1 10.3 90.°57 0.°9/10.6 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 51.07	+18 10.6	1.828	2.610	15.8	20.6
12 13	7 47.02	+18 23.2	1.743	2.611	12.5	20.3
12 23	7 40.29	+18 44.6	1.680	2.612	8.6	20.1
1 2	7 31.48	+19 12.6	1.642	2.614	4.1	19.8
1 12	7 21.60	+19 44.0	1.633	2.615	1.1	19.6
1 22	7 11.87	+20 15.4	1.652	2.617	5.4	19.9
2 1	7 3.49	+20 44.2	1.699	2.618	9.7	20.2
2 11	6 57.43	+21 8.9	1.771	2.619	13.4	20.4

26895 1995 MC 1 10.3 127.°40 1.°8/ 9.8 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 54.67	+29 9.0	2.947	3.706	10.9	18.4
12 13	7 48.59	+29 9.2	2.866	3.722	8.5	18.2
12 23	7 40.66	+29 7.6	2.811	3.738	5.8	18.1
1 2	7 31.42	+29 1.6	2.785	3.753	3.0	17.9
1 12	7 21.64	+28 49.5	2.790	3.768	1.9	17.8
1 22	7 12.16	+28 30.7	2.828	3.782	4.2	18.0
2 1	7 3.75	+28 5.6	2.896	3.796	6.9	18.2
2 11	6 57.03	+27 35.7	2.992	3.809	9.4	18.4

408805 2000 SG_{239} 1 10.3 35.°35 6.°8/12.7 16

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 49.11	+ 6 13.8	1.385	2.159	20.3	20.4
12 13	7 45.71	+ 5 38.9	1.334	2.185	16.7	20.2
12 23	7 39.40	+ 5 24.6	1.301	2.211	12.7	20.0
1 2	7 30.99	+ 5 33.1	1.290	2.238	8.8	19.9
1 12	7 21.74	+ 6 3.3	1.304	2.266	6.8	19.9
1 22	7 13.00	+ 6 51.1	1.344	2.295	8.3	20.0
2 1	7 6.00	+ 7 50.7	1.409	2.324	11.6	20.3
2 11	7 1.60	+ 8 55.6	1.496	2.354	14.9	20.6

136897 1998 HJ_{41} 1 10.3 131.°20 39.°3/11.0 17 R

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	8 8.26	−44 15.4	0.933	1.446	42.5	20.8
12 13	8 4.26	−49 24.4	0.941	1.460	41.8	20.8
12 23	7 54.32	−53 27.3	0.949	1.474	41.2	20.8
1 2	7 38.86	−56 12.4	0.956	1.486	40.7	20.9
1 12	7 20.00	−57 31.5	0.962	1.497	40.2	20.9
1 22	7 1.11	−57 23.1	0.965	1.507	39.8	20.9
2 1	6 45.83	−55 52.3	0.966	1.515	39.5	20.9
2 11	6 36.58	−53 11.5	0.966	1.522	39.3	20.9

375434 2008 TZ_{52} 1 10.3 75.°60 1.°2/ 9.9 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 51.12	+24 0.7	2.092	2.875	14.1	21.5
12 13	7 46.69	+24 25.1	2.015	2.885	11.0	21.3
12 23	7 39.85	+24 53.0	1.961	2.895	7.4	21.1
1 2	7 31.19	+25 21.1	1.933	2.906	3.5	20.9
1 12	7 21.69	+25 45.7	1.935	2.916	1.5	20.8
1 22	7 12.41	+26 4.1	1.966	2.927	5.1	21.0
2 1	7 4.43	+26 15.2	2.025	2.937	8.8	21.3
2 11	6 58.56	+26 19.3	2.110	2.947	12.0	21.5

221084 2005 SX_{49} 1 10.3 177.°72 6.°0/12.5 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 49.92	+ 4 18.6	2.237	2.964	14.9	21.7
12 13	7 45.49	+ 3 44.0	2.147	2.965	12.5	21.6
12 23	7 38.93	+ 3 23.2	2.078	2.966	9.8	21.4
1 2	7 30.76	+ 3 18.4	2.034	2.967	7.3	21.2
1 12	7 21.77	+ 3 30.1	2.018	2.967	6.0	21.2
1 22	7 12.87	+ 3 57.1	2.030	2.967	7.1	21.2
2 1	7 4.98	+ 4 36.6	2.071	2.966	9.5	21.4
2 11	6 58.87	+ 5 24.7	2.137	2.965	12.2	21.5

73646 1978 VT_3 1 10.3 188.°74 6.°3/ 7.6 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 56.14	+34 16.7	1.890	2.673	15.3	18.9
12 13	7 51.57	+35 48.0	1.810	2.673	12.3	18.7
12 23	7 43.75	+37 19.4	1.752	2.673	9.2	18.5
1 2	7 33.24	+38 41.9	1.722	2.672	6.7	18.3
1 12	7 21.24	+39 46.9	1.719	2.671	6.6	18.3
1 22	7 9.27	+40 28.8	1.744	2.670	8.9	18.4
2 1	6 58.91	+40 46.8	1.796	2.669	12.0	18.6
2 11	6 51.38	+40 44.1	1.870	2.667	15.0	18.8

421818 2014 QW_{64} 1 10.3 68.°29 2.°1/10.9 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 53.11	+16 16.7	1.616	2.398	17.5	21.6
12 13	7 48.65	+16 10.8	1.550	2.417	13.9	21.4
12 23	7 41.34	+16 15.1	1.504	2.435	9.6	21.1
1 2	7 31.92	+16 28.1	1.484	2.453	5.0	20.9
1 12	7 21.57	+16 47.3	1.491	2.472	2.2	20.8
1 22	7 11.63	+17 9.8	1.526	2.490	5.8	21.1
2 1	7 3.34	+17 33.0	1.589	2.509	10.1	21.4
2 11	6 57.61	+17 55.0	1.675	2.527	13.9	21.6

285072 2011 KQ_{25} 1 10.3 213.°78 0.°6/10.5 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 49.18	+19 12.8	2.397	3.168	12.8	21.5
12 13	7 44.91	+19 21.4	2.303	3.165	10.1	21.3
12 23	7 38.55	+19 35.7	2.232	3.163	6.9	21.1
1 2	7 30.59	+19 54.0	2.189	3.161	3.3	20.8
1 12	7 21.82	+20 14.0	2.175	3.158	0.8	20.6
1 22	7 13.14	+20 33.8	2.192	3.155	4.4	20.9
2 1	7 5.45	+20 51.5	2.238	3.152	7.9	21.1
2 11	6 59.51	+21 6.4	2.309	3.149	11.0	21.3

377248 2004 BD_{115} 1 10.3 9.°89 1.°1/ 9.9 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 49.49	+23 59.0	1.962	2.752	14.6	21.3
12 13	7 45.66	+24 13.2	1.879	2.753	11.4	21.1
12 23	7 39.30	+24 31.0	1.818	2.755	7.7	20.8
1 2	7 31.00	+24 49.2	1.784	2.757	3.6	20.6
1 12	7 21.74	+25 4.5	1.777	2.759	1.4	20.4
1 22	7 12.68	+25 14.4	1.800	2.762	5.3	20.7
2 1	7 4.94	+25 17.8	1.850	2.765	9.2	21.0
2 11	6 59.39	+25 15.3	1.924	2.769	12.7	21.2

110784 2001 UL_{33} 1 10.3 109.°89 5.°6/ 7.9 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 56.27	+34 0.2	1.990	2.770	14.7	19.2
12 13	7 51.28	+35 21.3	1.919	2.782	11.8	19.1
12 23	7 43.28	+36 40.9	1.872	2.793	8.7	18.9
1 2	7 32.91	+37 51.1	1.852	2.804	6.2	18.8
1 12	7 21.35	+38 44.6	1.860	2.815	5.9	18.8
1 22	7 9.99	+39 17.4	1.897	2.826	8.0	18.9
2 1	7 0.24	+39 29.1	1.960	2.836	11.0	19.1
2 11	6 53.13	+39 23.0	2.047	2.846	13.8	19.3

132846 2002 RD_{41} 1 10.3 152.°66 0.°8/10.0 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 50.71	+23 20.5	2.598	3.367	12.0	20.6
12 13	7 45.91	+23 41.0	2.510	3.373	9.3	20.5
12 23	7 39.11	+24 4.6	2.447	3.379	6.3	20.3
1 2	7 30.82	+24 28.6	2.412	3.384	2.9	20.1
1 12	7 21.79	+24 50.3	2.407	3.389	1.1	19.9
1 22	7 12.90	+25 7.7	2.434	3.394	4.3	20.2
2 1	7 5.01	+25 19.5	2.489	3.398	7.5	20.4
2 11	6 58.83	+25 25.9	2.572	3.402	10.3	20.6

194009 2001 SE_{18} 1 10.3 80.°02 0.°5/10.2 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 57.76	+21 13.2	1.464	2.255	18.7	21.0
12 13	7 52.58	+21 38.5	1.407	2.281	14.6	20.7
12 23	7 44.11	+22 11.5	1.370	2.306	9.8	20.5
1 2	7 33.22	+22 47.3	1.358	2.331	4.5	20.3
1 12	7 21.33	+23 20.8	1.373	2.356	1.1	20.1
1 22	7 10.02	+23 48.0	1.417	2.381	6.2	20.5
2 1	7 0.75	+24 7.1	1.487	2.405	10.9	20.9
2 11	6 54.47	+24 18.5	1.581	2.428	14.8	21.1

79894 1999 BP_{4} 1 10.3 328.°97 0.°3/10.4 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 47.64	+20 17.4	1.877	2.668	15.1	19.7
12 13	7 44.44	+20 25.3	1.780	2.654	12.0	19.5
12 23	7 38.65	+20 39.9	1.705	2.641	8.2	19.2
1 2	7 30.78	+20 59.2	1.656	2.629	3.9	19.0
1 12	7 21.78	+21 20.2	1.634	2.617	0.8	18.7
1 22	7 12.81	+21 40.0	1.641	2.606	5.3	19.0
2 1	7 5.06	+21 56.8	1.675	2.596	9.7	19.2
2 11	6 59.51	+22 9.4	1.733	2.586	13.5	19.4

234502 2001 TJ_{132} 1 10.3 142.°05 3.°5/12.1 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 47.34	+ 8 26.8	2.750	3.485	12.2	21.1
12 13	7 43.07	+ 8 25.0	2.661	3.492	9.9	21.0
12 23	7 37.09	+ 8 33.9	2.595	3.499	7.4	20.8
1 2	7 29.85	+ 8 53.5	2.556	3.506	4.8	20.7
1 12	7 22.00	+ 9 22.8	2.546	3.512	3.5	20.6
1 22	7 14.24	+10 0.0	2.567	3.518	4.8	20.7
2 1	7 7.30	+10 42.5	2.618	3.524	7.3	20.9
2 11	7 1.79	+11 27.6	2.695	3.530	9.8	21.0

216289 2007 BG_{5} 1 10.3 63.°77 5.°2/ 7.6 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 54.62	+29 0.0	1.810	2.599	15.7	19.7
12 13	7 50.39	+30 56.3	1.733	2.603	12.4	19.5
12 23	7 42.97	+32 58.6	1.679	2.608	8.8	19.3
1 2	7 32.91	+34 57.3	1.652	2.613	5.8	19.1
1 12	7 21.34	+36 42.2	1.655	2.617	5.6	19.1
1 22	7 9.71	+38 5.7	1.687	2.622	8.4	19.3
2 1	6 59.58	+39 4.7	1.746	2.627	11.8	19.5
2 11	6 52.21	+39 40.7	1.829	2.632	15.0	19.7

321632 2009 WF_{195} 1 10.3 93.°36 2.°4/ 9.2 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 51.20	+24 58.2	2.052	2.836	14.2	20.5
12 13	7 47.06	+26 0.5	1.966	2.837	11.2	20.3
12 23	7 40.33	+27 8.5	1.904	2.838	7.6	20.1
1 2	7 31.53	+28 17.0	1.869	2.839	3.9	19.9
1 12	7 21.64	+29 19.9	1.863	2.840	2.7	19.8
1 22	7 11.79	+30 12.7	1.887	2.841	5.9	20.0
2 1	7 3.18	+30 52.5	1.939	2.842	9.6	20.2
2 11	6 56.77	+31 19.5	2.016	2.843	12.9	20.4

190173 2005 UJ_{354} 1 10.3 99.°79 0.°7/10.5 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 58.23	+20 4.4	1.568	2.350	18.0	20.5
12 13	7 52.76	+20 1.0	1.502	2.371	14.1	20.3
12 23	7 44.15	+20 4.3	1.457	2.390	9.6	20.0
1 2	7 33.23	+20 11.9	1.438	2.410	4.5	19.8
1 12	7 21.33	+20 20.4	1.446	2.429	1.1	19.6
1 22	7 9.95	+20 27.5	1.483	2.447	5.9	20.0
2 1	7 0.45	+20 32.1	1.547	2.465	10.5	20.3
2 11	6 53.80	+20 34.1	1.636	2.482	14.5	20.6

202673 2006 LA_{5} 1 10.3 208.°75 1.°2/ 9.8 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 50.51	+24 57.1	2.934	3.699	10.8	21.6
12 13	7 45.64	+25 20.0	2.833	3.693	8.5	21.4
12 23	7 38.91	+25 45.0	2.756	3.686	5.7	21.2
1 2	7 30.74	+26 9.4	2.707	3.678	2.8	21.0
1 12	7 21.83	+26 30.7	2.690	3.670	1.4	20.9
1 22	7 12.96	+26 46.9	2.704	3.662	4.1	21.1
2 1	7 4.92	+26 56.9	2.748	3.653	7.1	21.2
2 11	6 58.41	+27 0.9	2.820	3.643	9.7	21.4

502507 2015 BQ_{420} 1 10.3 281.°87 2.°1/ 9.7 17

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 51.49	+28 9.9	2.313	3.092	13.0	21.2
12 13	7 46.97	+28 22.3	2.216	3.083	10.2	21.0
12 23	7 40.08	+28 34.5	2.143	3.075	7.0	20.8
1 2	7 31.36	+28 43.3	2.096	3.066	3.7	20.6
1 12	7 21.71	+28 45.5	2.079	3.057	2.3	20.5
1 22	7 12.17	+28 39.4	2.092	3.048	5.2	20.7
2 1	7 3.80	+28 24.7	2.133	3.039	8.7	20.9
2 11	6 57.43	+28 2.9	2.200	3.031	11.8	21.0

521942 2015 VN_{65} 1 10.3 99.°67 4.°6/12.3 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 55.11	+ 7 16.4	1.777	2.522	17.5	21.8
12 13	7 49.85	+ 7 24.4	1.712	2.548	14.3	21.6
12 23	7 41.98	+ 7 50.1	1.666	2.574	10.5	21.4
1 2	7 32.19	+ 8 33.0	1.646	2.599	6.7	21.3
1 12	7 21.57	+ 9 30.3	1.654	2.623	4.7	21.2
1 22	7 11.31	+10 37.5	1.691	2.646	6.5	21.3
2 1	7 2.54	+11 49.1	1.757	2.669	9.9	21.6
2 11	6 56.11	+13 0.4	1.849	2.691	13.2	21.9

496208 2011 SE_{207} 1 10.3 123.°08 6.°4/12.8 16

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 53.36	+ 3 58.8	1.865	2.597	17.3	22.5
12 13	7 48.46	+ 3 37.4	1.790	2.613	14.4	22.4
12 23	7 41.07	+ 3 33.9	1.736	2.628	11.1	22.2
1 2	7 31.80	+ 3 50.1	1.705	2.643	8.0	22.0
1 12	7 21.65	+ 4 25.4	1.703	2.657	6.4	22.0
1 22	7 11.75	+ 5 17.0	1.728	2.670	7.6	22.1
2 1	7 3.19	+ 6 20.1	1.781	2.683	10.4	22.3
2 11	6 56.82	+ 7 29.2	1.859	2.695	13.4	22.5

326078 2011 AA_{77} 1 10.3 83.°29 2.°3/11.3 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 50.54	+13 36.0	1.946	2.714	15.5	21.0
12 13	7 46.28	+13 52.1	1.870	2.727	12.3	20.8
12 23	7 39.61	+14 20.1	1.816	2.741	8.6	20.6
1 2	7 31.13	+14 58.5	1.788	2.754	4.7	20.4
1 12	7 21.79	+15 44.2	1.788	2.768	2.3	20.2
1 22	7 12.67	+16 33.5	1.818	2.781	5.2	20.4
2 1	7 4.81	+17 22.9	1.877	2.794	9.0	20.7
2 11	6 59.05	+18 9.4	1.960	2.807	12.4	20.9

84305 2002 TH_{40} 1 10.3 153.°40 5.°2/11.9 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 52.04	+ 7 38.6	2.159	2.897	15.0	19.4
12 13	7 47.17	+ 6 59.2	2.074	2.904	12.4	19.2
12 23	7 40.08	+ 6 31.5	2.010	2.910	9.4	19.1
1 2	7 31.33	+ 6 17.3	1.971	2.915	6.6	18.9
1 12	7 21.76	+ 6 17.0	1.962	2.921	5.2	18.8
1 22	7 12.35	+ 6 29.6	1.981	2.925	6.6	18.9
2 1	7 4.06	+ 6 53.1	2.029	2.930	9.4	19.1
2 11	6 57.68	+ 7 24.0	2.102	2.933	12.3	19.3

104751 2000 HM_{13} 1 10.3 192.°10 3.°1/ 8.9 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 51.77	+31 42.4	2.946	3.712	10.8	20.4
12 13	7 46.72	+32 21.5	2.853	3.711	8.5	20.2
12 23	7 39.69	+32 59.4	2.785	3.708	6.0	20.0
1 2	7 31.13	+33 32.5	2.745	3.706	3.8	19.9
1 12	7 21.80	+33 57.2	2.736	3.703	3.2	19.8
1 22	7 12.54	+34 11.3	2.757	3.699	5.1	20.0
2 1	7 4.22	+34 14.4	2.808	3.695	7.6	20.1
2 11	6 57.55	+34 7.5	2.886	3.691	10.0	20.3

403077 2008 CW_{12} 1 10.3 29.°01 3.°2/ 9.5 17

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 51.72	+26 43.0	1.276	2.093	19.4	20.1
12 13	7 48.66	+27 23.2	1.217	2.106	15.2	19.9
12 23	7 41.92	+28 7.1	1.179	2.120	10.4	19.7
1 2	7 32.37	+28 47.8	1.163	2.135	5.4	19.4
1 12	7 21.56	+29 18.3	1.172	2.151	3.5	19.3
1 22	7 11.28	+29 34.5	1.208	2.168	7.7	19.6
2 1	7 3.19	+29 35.8	1.267	2.185	12.3	19.9
2 11	6 58.38	+29 24.9	1.349	2.204	16.4	20.2

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
277876	2006 JG_{50}		1 10.3	317.°39	1.°7/10.9	18
	h m	° ′			°	m
12 3	7 49.21	+16 55.7	2.088	2.862	14.3	21.3
12 13	7 45.24	+16 48.7	1.996	2.859	11.4	21.1
12 23	7 38.94	+16 49.0	1.927	2.855	7.9	20.9
1 2	7 30.85	+16 55.8	1.883	2.852	4.1	20.6
1 12	7 21.85	+17 7.5	1.868	2.849	1.8	20.5
1 22	7 12.96	+17 21.9	1.883	2.846	5.0	20.7
2 1	7 5.19	+17 37.6	1.926	2.843	8.8	20.9
2 11	6 59.40	+17 52.9	1.994	2.841	12.2	21.1
370479	2003 HA_{46}		1 10.3	231.°83	5.°0/ 8.0	18
12 3	7 54.70	+33 46.9	2.263	3.038	13.3	21.0
12 13	7 49.92	+34 56.7	2.169	3.029	10.7	20.8
12 23	7 42.37	+36 6.3	2.099	3.019	7.9	20.6
1 2	7 32.57	+37 8.9	2.056	3.009	5.6	20.4
1 12	7 21.50	+37 58.2	2.043	2.999	5.3	20.4
1 22	7 10.38	+38 29.8	2.058	2.989	7.4	20.5
2 1	7 0.51	+38 42.8	2.102	2.978	10.3	20.6
2 11	6 52.95	+38 39.3	2.169	2.967	13.1	20.8
351214	2004 ND_{1}		1 10.3	82.°32	1.°2/10.7	18
12 3	7 57.47	+17 41.3	1.538	2.319	18.3	20.8
12 13	7 52.10	+17 50.7	1.481	2.347	14.4	20.6
12 23	7 43.67	+18 10.0	1.443	2.375	9.8	20.4
1 2	7 33.01	+18 36.2	1.431	2.403	4.7	20.2
1 12	7 21.46	+19 5.6	1.447	2.429	1.4	20.0
1 22	7 10.48	+19 34.3	1.492	2.456	5.9	20.4
2 1	7 1.39	+20 0.0	1.563	2.482	10.4	20.7
2 11	6 55.10	+20 21.5	1.659	2.507	14.2	21.0
213655	2002 RT_{215}		1 10.3	131.°62	0.°2/10.4	18
12 3	7 53.83	+19 2.8	2.090	2.859	14.5	21.2
12 13	7 48.76	+19 32.7	2.011	2.872	11.4	21.0
12 23	7 41.26	+20 10.4	1.955	2.885	7.7	20.8
1 2	7 31.91	+20 52.6	1.925	2.897	3.6	20.6
1 12	7 21.67	+21 35.7	1.926	2.909	0.7	20.4
1 22	7 11.63	+22 15.9	1.957	2.920	4.9	20.7
2 1	7 2.86	+22 51.0	2.018	2.931	8.7	21.0
2 11	6 56.21	+23 19.7	2.104	2.941	12.1	21.2
493095	2014 SL_{326}		1 10.3	184.°65	3.°9/11.8	18
12 3	7 51.08	+ 9 57.7	2.140	2.889	14.8	22.0
12 13	7 46.58	+ 9 47.6	2.048	2.889	12.1	21.8
12 23	7 39.79	+ 9 49.5	1.978	2.889	8.9	21.6
1 2	7 31.26	+10 3.9	1.933	2.889	5.6	21.4
1 12	7 21.81	+10 29.7	1.917	2.888	3.9	21.3
1 22	7 12.45	+11 4.7	1.931	2.886	5.8	21.4
2 1	7 4.16	+11 45.9	1.973	2.884	9.0	21.6
2 11	6 57.78	+12 30.2	2.041	2.882	12.3	21.8
86608	2000 EK_{85}		1 10.3	255.°52	1.°8/10.9	18
12 3	7 54.18	+15 6.9	1.870	2.637	16.0	19.9
12 13	7 49.79	+15 25.1	1.757	2.615	12.9	19.7
12 23	7 42.50	+15 55.8	1.665	2.591	9.1	19.4
1 2	7 32.76	+16 37.9	1.598	2.567	4.8	19.1
1 12	7 21.48	+17 28.1	1.560	2.542	1.9	18.8
1 22	7 9.91	+18 22.1	1.552	2.516	5.8	19.0
2 1	6 59.45	+19 15.8	1.573	2.489	10.5	19.2
2 11	6 51.31	+20 5.8	1.618	2.461	14.8	19.4
190203	2005 YA_{158}		1 10.3	236.°23	0.°8/10.6	18
12 3	7 50.66	+18 34.0	2.353	3.120	13.1	21.5
12 13	7 46.21	+18 42.5	2.250	3.110	10.4	21.3
12 23	7 39.56	+18 57.5	2.169	3.099	7.1	21.1
1 2	7 31.17	+19 17.3	2.116	3.087	3.5	20.8
1 12	7 21.83	+19 39.6	2.093	3.076	0.9	20.6
1 22	7 12.50	+20 2.0	2.100	3.063	4.6	20.8
2 1	7 4.15	+20 22.8	2.137	3.051	8.2	21.0
2 11	6 57.60	+20 40.8	2.199	3.038	11.5	21.2
297863	2002 CF_{73}		1 10.4	336.°92	1.°4/10.0	18
12 3	7 50.24	+23 46.8	1.271	2.089	19.5	20.6
12 13	7 47.82	+24 0.2	1.190	2.079	15.4	20.3
12 23	7 41.68	+24 19.9	1.127	2.069	10.6	20.0
1 2	7 32.47	+24 41.5	1.086	2.061	5.0	19.7
1 12	7 21.57	+24 59.8	1.070	2.053	1.8	19.4
1 22	7 10.79	+25 10.5	1.080	2.046	7.3	19.8
2 1	7 1.97	+25 11.9	1.114	2.040	12.8	20.0
2 11	6 56.49	+25 5.0	1.169	2.035	17.7	20.3
170340	2003 SA_{126}		1 10.4	46.°64	4.°4/ 9.2	18
12 3	7 55.10	+29 57.6	1.474	2.276	18.0	19.6
12 13	7 51.08	+30 43.8	1.406	2.285	14.2	19.3
12 23	7 43.50	+31 30.5	1.359	2.293	9.9	19.1
1 2	7 33.14	+32 10.4	1.335	2.302	5.8	18.9
1 12	7 21.47	+32 36.4	1.339	2.312	4.7	18.9
1 22	7 10.20	+32 44.8	1.369	2.321	8.0	19.1
2 1	7 0.99	+32 35.8	1.424	2.331	12.1	19.3
2 11	6 54.97	+32 13.1	1.502	2.341	15.9	19.6

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
223696	2004 RL_{26}		1 10.4	89.°72	5.°1/ 9.1	18
	h m	° ′			°	m
12 3	7 58.82	+36 7.9	2.060	2.832	14.6	21.0
12 13	7 52.90	+36 41.3	1.994	2.851	11.7	20.9
12 23	7 44.10	+37 8.8	1.952	2.870	8.6	20.7
1 2	7 33.22	+37 24.6	1.935	2.888	5.9	20.6
1 12	7 21.47	+37 23.9	1.947	2.906	5.3	20.6
1 22	7 10.25	+37 5.7	1.988	2.924	7.3	20.8
2 1	7 0.77	+36 31.6	2.057	2.941	10.1	21.0
2 11	6 53.93	+35 46.0	2.150	2.959	12.9	21.2
177499	2004 EF_{50}		1 10.4	8.°97	3.°5/11.3	18
12 3	7 47.13	+14 17.1	1.275	2.082	20.0	20.3
12 13	7 44.89	+13 59.6	1.204	2.084	16.1	20.1
12 23	7 39.37	+13 56.3	1.152	2.086	11.4	19.8
1 2	7 31.25	+14 7.4	1.122	2.091	6.4	19.5
1 12	7 21.84	+14 31.1	1.117	2.096	3.5	19.4
1 22	7 12.71	+15 3.5	1.137	2.102	7.1	19.6
2 1	7 5.37	+15 40.5	1.181	2.110	11.9	19.9
2 11	7 0.96	+16 18.1	1.247	2.119	16.4	20.2
35769	1999 JX_{1}		1 10.4	148.°01	2.°4/11.2	18
12 3	7 53.55	+13 48.1	1.869	2.633	16.1	19.8
12 13	7 48.83	+13 58.7	1.786	2.641	12.9	19.6
12 23	7 41.48	+14 21.4	1.724	2.648	9.1	19.4
1 2	7 32.09	+14 54.8	1.689	2.655	4.9	19.2
1 12	7 21.69	+15 36.1	1.682	2.661	2.4	19.0
1 22	7 11.45	+16 21.4	1.704	2.667	5.5	19.2
2 1	7 2.55	+17 7.3	1.755	2.672	9.6	19.5
2 11	6 55.92	+17 51.0	1.832	2.676	13.2	19.7
459188	2012 DM_{46}		1 10.4	272.°67	6.°3/12.6	17
12 3	7 49.04	+ 4 12.9	2.035	2.771	15.9	22.1
12 13	7 45.30	+ 3 49.8	1.927	2.752	13.4	21.9
12 23	7 39.18	+ 3 42.6	1.839	2.732	10.6	21.7
1 2	7 31.09	+ 3 54.0	1.775	2.712	7.8	21.5
1 12	7 21.87	+ 4 24.5	1.738	2.692	6.3	21.3
1 22	7 12.51	+ 5 12.6	1.729	2.672	7.5	21.4
2 1	7 4.11	+ 6 14.6	1.748	2.651	10.5	21.5
2 11	6 57.64	+ 7 25.5	1.791	2.630	13.7	21.7
247595	2002 TR_{179}		1 10.4	70.°55	1.°6/10.6	18
12 3	7 57.46	+20 10.8	1.666	2.446	17.2	20.2
12 13	7 51.87	+19 31.4	1.601	2.467	13.5	20.0
12 23	7 43.41	+18 56.3	1.557	2.489	9.2	19.8
1 2	7 32.89	+18 24.7	1.539	2.510	4.6	19.5
1 12	7 21.57	+17 56.1	1.550	2.531	1.7	19.4
1 22	7 10.82	+17 30.2	1.589	2.552	5.7	19.7
2 1	7 1.86	+17 7.4	1.657	2.574	10.0	20.0
2 11	6 55.54	+16 47.8	1.748	2.594	13.7	20.3
383783	2007 VH_{330}		1 10.4	25.°35	1.°9/ 9.4	18
12 3	7 48.86	+23 45.5	2.141	2.926	13.7	20.3
12 13	7 45.08	+24 44.2	2.058	2.930	10.7	20.1
12 23	7 38.92	+25 48.9	1.999	2.934	7.2	19.9
1 2	7 30.91	+26 54.9	1.967	2.939	3.6	19.7
1 12	7 21.93	+27 56.9	1.965	2.944	2.2	19.6
1 22	7 13.03	+28 50.7	1.993	2.950	5.4	19.8
2 1	7 5.29	+29 33.4	2.048	2.956	9.0	20.0
2 11	6 59.56	+30 4.7	2.129	2.962	12.1	20.2
100348	1995 SJ_{72}		1 10.4	92.°65	4.°1/12.0	18
12 3	7 49.06	+ 8 25.6	2.546	3.282	13.0	20.0
12 13	7 44.43	+ 8 0.5	2.471	3.302	10.6	19.8
12 23	7 38.02	+ 7 45.7	2.419	3.321	7.9	19.7
1 2	7 30.33	+ 7 42.0	2.394	3.341	5.4	19.6
1 12	7 22.07	+ 7 49.1	2.398	3.360	4.1	19.5
1 22	7 14.04	+ 8 5.7	2.431	3.379	5.3	19.6
2 1	7 6.96	+ 8 29.6	2.494	3.397	7.8	19.8
2 11	7 1.45	+ 8 58.5	2.583	3.416	10.2	20.0
232394	2003 BK_{88}		1 10.4	358.°54	1.°0/10.8	18
12 3	7 47.52	+16 20.5	2.330	3.100	13.2	20.0
12 13	7 43.72	+16 49.7	2.239	3.099	10.4	19.8
12 23	7 37.85	+17 28.1	2.170	3.099	7.2	19.6
1 2	7 30.37	+18 13.7	2.128	3.099	3.6	19.3
1 12	7 22.06	+19 3.4	2.116	3.099	1.1	19.1
1 22	7 13.80	+19 53.9	2.135	3.099	4.4	19.4
2 1	7 6.50	+20 42.2	2.182	3.099	8.0	19.6
2 11	7 0.93	+21 26.0	2.256	3.099	11.1	19.8
306343	2011 SM_{141}		1 10.4	109.°26	1.°1/10.0	18
12 3	7 56.84	+23 13.6	1.765	2.546	16.3	21.3
12 13	7 51.55	+23 36.9	1.695	2.564	12.8	21.1
12 23	7 43.34	+24 5.0	1.647	2.581	8.6	20.9
1 2	7 32.94	+24 33.6	1.624	2.597	4.0	20.7
1 12	7 21.57	+24 58.3	1.631	2.613	1.4	20.5
1 22	7 10.58	+25 16.0	1.667	2.629	5.7	20.9
2 1	7 1.25	+25 25.7	1.731	2.644	9.9	21.1
2 11	6 54.54	+25 28.1	1.820	2.658	13.6	21.4

458312 2010 VA_{70} 1 10.4 64.°12 1.°7/10.8 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 53.51	+17 51.2	1.669	2.452	17.0	21.6
12 13	7 48.89	+17 39.5	1.604	2.471	13.4	21.4
12 23	7 41.50	+17 35.8	1.559	2.491	9.2	21.2
1 2	7 32.06	+17 38.6	1.540	2.511	4.6	20.9
1 12	7 21.76	+17 46.0	1.549	2.530	1.8	20.8
1 22	7 11.90	+17 55.6	1.586	2.550	5.6	21.1
2 1	7 3.66	+18 5.8	1.651	2.570	9.8	21.4
2 11	6 57.93	+18 15.4	1.739	2.590	13.5	21.6

133759 2003 WC_{49} 1 10.4 165.°37 0.°1/10.3 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 50.72	+21 24.6	2.501	3.269	12.4	21.2
12 13	7 46.04	+21 38.7	2.411	3.273	9.7	21.0
12 23	7 39.30	+21 57.0	2.344	3.276	6.6	20.8
1 2	7 31.01	+22 17.3	2.306	3.278	3.1	20.6
1 12	7 21.96	+22 37.2	2.298	3.280	0.6	20.4
1 22	7 13.03	+22 54.4	2.320	3.282	4.3	20.7
2 1	7 5.11	+23 7.7	2.372	3.284	7.7	20.9
2 11	6 58.92	+23 16.8	2.451	3.285	10.6	21.1

283298 2011 KB_{8} 1 10.4 125.°46 2.°1/ 9.6 17

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 58.30	+24 43.0	1.755	2.535	16.4	21.7
12 13	7 52.85	+25 29.4	1.683	2.551	12.9	21.5
12 23	7 44.33	+26 20.5	1.634	2.567	8.7	21.3
1 2	7 33.47	+27 10.8	1.610	2.582	4.3	21.1
1 12	7 21.49	+27 54.2	1.616	2.596	2.4	21.0
1 22	7 9.83	+28 26.4	1.652	2.609	6.3	21.3
2 1	6 59.88	+28 46.0	1.715	2.622	10.4	21.5
2 11	6 52.66	+28 54.3	1.802	2.634	14.0	21.8

130115 1999 XO_{78} 1 10.4 57.°25 0.°4/10.5 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 50.49	+20 4.3	2.023	2.803	14.6	20.2
12 13	7 46.31	+20 9.9	1.940	2.807	11.4	20.0
12 23	7 39.71	+20 21.3	1.879	2.812	7.8	19.8
1 2	7 31.26	+20 36.5	1.844	2.816	3.7	19.5
1 12	7 21.92	+20 53.0	1.838	2.820	0.8	19.3
1 22	7 12.76	+21 8.3	1.861	2.825	4.9	19.6
2 1	7 4.84	+21 20.9	1.912	2.830	8.9	19.9
2 11	6 59.03	+21 30.3	1.989	2.834	12.3	20.1

417304 2006 BS_{97} 1 10.4 17.°62 0.°9/10.0 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 50.17	+22 1.9	1.817	2.607	15.6	20.8
12 13	7 46.47	+22 33.0	1.735	2.609	12.2	20.6
12 23	7 40.05	+23 10.7	1.675	2.611	8.2	20.4
1 2	7 31.50	+23 51.5	1.641	2.614	3.9	20.1
1 12	7 21.87	+24 30.8	1.634	2.617	1.3	19.9
1 22	7 12.40	+25 4.6	1.657	2.620	5.6	20.2
2 1	7 4.30	+25 30.7	1.707	2.623	9.8	20.5
2 11	6 58.56	+25 48.6	1.781	2.627	13.5	20.7

130275 2000 DD_{70} 1 10.4 81.°61 0.°6/10.1 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 50.34	+22 24.8	2.184	2.963	13.6	20.1
12 13	7 46.06	+22 44.7	2.101	2.969	10.7	19.9
12 23	7 39.47	+23 9.0	2.040	2.974	7.2	19.7
1 2	7 31.14	+23 34.9	2.007	2.980	3.3	19.5
1 12	7 21.96	+23 59.3	2.003	2.986	1.0	19.3
1 22	7 12.94	+24 19.6	2.029	2.991	4.8	19.6
2 1	7 5.10	+24 34.3	2.083	2.997	8.5	19.9
2 11	6 59.25	+24 43.2	2.163	3.003	11.7	20.1

114948 2003 QU_{54} 1 10.4 171.°91 0.°2/10.5 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 54.79	+19 37.6	2.122	2.889	14.4	21.2
12 13	7 49.60	+19 56.7	2.033	2.893	11.3	21.0
12 23	7 41.92	+20 22.6	1.966	2.896	7.7	20.8
1 2	7 32.32	+20 52.6	1.927	2.899	3.6	20.6
1 12	7 21.74	+21 23.4	1.918	2.901	0.7	20.4
1 22	7 11.28	+21 51.9	1.939	2.902	4.9	20.7
2 1	7 2.05	+22 16.2	1.990	2.902	8.9	20.9
2 11	6 54.94	+22 35.4	2.066	2.902	12.3	21.1

255900 2006 SR_{298} 1 10.4 265.°23 4.°8/ 9.0 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 56.04	+32 42.8	1.842	2.628	15.5	20.8
12 13	7 51.48	+33 22.5	1.750	2.617	12.5	20.5
12 23	7 43.71	+34 0.8	1.679	2.606	9.0	20.3
1 2	7 33.32	+34 30.9	1.634	2.595	5.8	20.1
1 12	7 21.53	+34 46.8	1.616	2.584	5.0	20.0
1 22	7 9.83	+34 44.9	1.627	2.572	7.7	20.2
2 1	6 59.75	+34 25.4	1.665	2.561	11.4	20.3
2 11	6 52.47	+33 51.9	1.726	2.549	14.9	20.5

518744 2009 RP_{71} 1 10.4 107.°08 1.°1/10.7 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 58.55	+18 24.6	1.496	2.278	18.7	21.9
12 13	7 53.23	+18 28.1	1.430	2.297	14.7	21.7
12 23	7 44.66	+18 40.9	1.384	2.316	10.1	21.5
1 2	7 33.63	+19 0.4	1.363	2.334	4.9	21.2
1 12	7 21.51	+19 22.7	1.369	2.352	1.3	21.0
1 22	7 9.88	+19 44.4	1.404	2.369	6.1	21.4
2 1	7 0.17	+20 3.4	1.466	2.385	10.9	21.7
2 11	6 53.42	+20 18.9	1.552	2.401	15.0	22.0

221821 2008 EU_{28} 1 10.4 237.°90 6.°0/12.6 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 49.94	+ 3 34.4	2.354	3.074	14.4	21.3
12 13	7 45.61	+ 3 8.7	2.246	3.059	12.2	21.1
12 23	7 39.17	+ 2 56.9	2.160	3.045	9.6	20.9
1 2	7 31.06	+ 3 1.2	2.099	3.030	7.2	20.7
1 12	7 22.00	+ 3 22.2	2.065	3.014	6.0	20.6
1 22	7 12.88	+ 3 58.8	2.061	2.998	7.0	20.7
2 1	7 4.62	+ 4 48.2	2.085	2.981	9.5	20.8
2 11	6 58.03	+ 5 46.3	2.135	2.963	12.2	20.9

306195 2011 PP_{1} 1 10.4 68.°52 1.°3/10.7 17

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 55.74	+17 43.8	1.464	2.252	18.8	21.3
12 13	7 50.97	+17 48.4	1.406	2.277	14.8	21.1
12 23	7 43.05	+18 3.1	1.369	2.302	10.0	20.8
1 2	7 32.84	+18 25.4	1.356	2.327	4.9	20.6
1 12	7 21.69	+18 51.5	1.370	2.352	1.5	20.4
1 22	7 11.09	+19 17.8	1.412	2.377	6.0	20.8
2 1	7 2.41	+19 41.7	1.481	2.401	10.6	21.1
2 11	6 56.57	+20 2.0	1.573	2.426	14.6	21.4

237428 1999 FZ_{95} 1 10.4 223.°14 4.°6/12.8 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 46.76	+ 3 48.2	2.998	3.709	11.7	21.0
12 13	7 42.61	+ 3 38.9	2.891	3.700	9.8	20.9
12 23	7 36.86	+ 3 41.4	2.807	3.691	7.7	20.7
1 2	7 29.88	+ 3 56.7	2.749	3.681	5.7	20.6
1 12	7 22.24	+ 4 24.7	2.721	3.671	4.6	20.5
1 22	7 14.61	+ 5 3.9	2.722	3.660	5.4	20.5
2 1	7 7.63	+ 5 52.0	2.754	3.649	7.4	20.6
2 11	7 1.93	+ 6 45.9	2.812	3.637	9.7	20.8

240530 2004 FM_{145} 1 10.4 304.°46 0.°6/10.2 17

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 48.89	+22 29.7	2.211	2.992	13.4	21.1
12 13	7 45.07	+22 46.2	2.112	2.981	10.6	20.9
12 23	7 38.93	+23 7.3	2.036	2.971	7.2	20.6
1 2	7 30.96	+23 30.3	1.987	2.960	3.4	20.4
1 12	7 22.02	+23 52.3	1.967	2.950	1.0	20.2
1 22	7 13.12	+24 10.7	1.977	2.940	4.8	20.4
2 1	7 5.28	+24 23.8	2.015	2.930	8.6	20.6
2 11	6 59.37	+24 31.4	2.079	2.920	12.0	20.8

99246 2001 KY_{62} 1 10.4 113.°70 7.°5/13.3 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 51.59	+ 0 47.6	2.054	2.768	16.4	19.8
12 13	7 46.88	+ 0 5.0	1.980	2.784	13.9	19.6
12 23	7 39.94	− 0 20.2	1.926	2.799	11.2	19.5
1 2	7 31.34	− 0 25.1	1.896	2.814	8.7	19.3
1 12	7 21.97	− 0 9.0	1.893	2.829	7.5	19.3
1 22	7 12.83	+ 0 26.5	1.918	2.843	8.2	19.4
2 1	7 4.88	+ 1 17.6	1.970	2.857	10.4	19.5
2 11	6 58.87	+ 2 19.1	2.047	2.870	12.9	19.7

145630 2214 $P\text{–}L$ 1 10.4 76.°51 0.°6/10.2 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 53.88	+22 55.5	1.736	2.524	16.3	20.1
12 13	7 49.35	+23 3.4	1.662	2.534	12.8	19.9
12 23	7 41.94	+23 15.6	1.608	2.544	8.6	19.6
1 2	7 32.36	+23 29.0	1.581	2.554	4.0	19.4
1 12	7 21.78	+23 40.2	1.581	2.564	1.1	19.2
1 22	7 11.51	+23 46.5	1.610	2.574	5.6	19.5
2 1	7 2.84	+23 47.2	1.667	2.584	10.0	19.8
2 11	6 56.72	+23 42.8	1.747	2.593	13.7	20.1

381323 2007 VV_{252} 1 10.4 75.°92 6.°2/ 7.3 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 55.48	+37 49.3	2.326	3.095	13.2	20.4
12 13	7 50.37	+39 18.1	2.266	3.116	10.7	20.2
12 23	7 42.54	+40 42.4	2.230	3.137	8.2	20.1
1 2	7 32.64	+41 54.7	2.221	3.158	6.5	20.0
1 12	7 21.71	+42 48.9	2.241	3.178	6.4	20.1
1 22	7 11.01	+43 21.9	2.290	3.199	8.0	20.2
2 1	7 1.74	+43 33.8	2.366	3.219	10.2	20.4
2 11	6 54.84	+43 27.8	2.465	3.239	12.4	20.6

251102 2006 SZ_{280} 1 10.4 107.°02 1.°0/10.8 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 55.19	+17 7.7	2.191	2.950	14.2	21.6
12 13	7 49.54	+17 28.2	2.122	2.977	11.2	21.4
12 23	7 41.63	+17 56.6	2.077	3.003	7.6	21.2
1 2	7 32.09	+18 30.3	2.059	3.029	3.7	21.0
1 12	7 21.85	+19 6.3	2.071	3.053	1.1	20.9
1 22	7 11.92	+19 41.6	2.115	3.077	4.6	21.2
2 1	7 3.28	+20 13.9	2.188	3.101	8.2	21.4
2 11	6 56.65	+20 42.1	2.288	3.123	11.3	21.7

161797 2006 VL_{45} 1 10.4 36.°00 7.°9/12.1 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 50.90	+ 5 34.2	1.651	2.405	18.4	19.4
12 13	7 46.96	+ 4 16.7	1.576	2.411	15.4	19.2
12 23	7 40.32	+ 3 13.9	1.521	2.417	12.1	19.1
1 2	7 31.62	+ 2 30.2	1.489	2.424	9.2	18.9
1 12	7 21.93	+ 2 8.3	1.483	2.431	7.9	18.8
1 22	7 12.48	+ 2 8.3	1.503	2.438	9.1	18.9
2 1	7 4.46	+ 2 27.6	1.548	2.446	12.0	19.1
2 11	6 58.81	+ 3 1.1	1.616	2.454	15.0	19.3

364309 2006 UT_{40} 1 10.4 143.°34 1.°5/ 9.9 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 53.82	+24 22.3	1.929	2.711	15.1	22.0
12 13	7 49.17	+24 49.0	1.846	2.716	11.8	21.8
12 23	7 41.80	+25 19.8	1.786	2.720	8.0	21.6
1 2	7 32.32	+25 50.5	1.752	2.724	3.9	21.4
1 12	7 21.79	+26 16.9	1.747	2.728	1.8	21.2
1 22	7 11.46	+26 35.9	1.771	2.732	5.6	21.5
2 1	7 2.54	+26 46.1	1.824	2.735	9.6	21.7
2 11	6 55.98	+26 48.2	1.901	2.738	13.1	21.9

266419 2007 GH_4 1 10.4 175.°84 1.°9/ 9.7 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 51.98	+25 27.0	2.117	2.898	13.9	20.9
12 13	7 47.57	+26 2.1	2.030	2.899	10.9	20.7
12 23	7 40.65	+26 40.6	1.966	2.899	7.4	20.5
1 2	7 31.78	+27 18.5	1.928	2.900	3.7	20.3
1 12	7 21.90	+27 51.3	1.920	2.900	2.2	20.2
1 22	7 12.14	+28 15.9	1.942	2.900	5.5	20.4
2 1	7 3.62	+28 30.8	1.992	2.900	9.1	20.6
2 11	6 57.24	+28 36.5	2.067	2.900	12.4	20.8

393220 2013 EC_{61} 1 10.4 357.°78 2.°6/ 9.8 17

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 50.99	+25 57.9	1.237	2.058	19.7	21.1
12 13	7 48.49	+26 21.6	1.164	2.054	15.6	20.8
12 23	7 42.16	+26 49.7	1.109	2.052	10.7	20.6
1 2	7 32.74	+27 16.7	1.077	2.051	5.4	20.3
1 12	7 21.72	+27 35.9	1.070	2.050	2.9	20.1
1 22	7 10.98	+27 43.3	1.088	2.051	7.7	20.4
2 1	7 2.37	+27 37.8	1.130	2.053	13.0	20.7
2 11	6 57.19	+27 21.8	1.192	2.055	17.6	21.0

87021 2000 JR_{65} 1 10.4 157.°89 1.°2/10.8 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 55.26	+16 23.8	1.995	2.759	15.3	20.5
12 13	7 50.07	+16 46.0	1.910	2.767	12.1	20.3
12 23	7 42.31	+17 18.0	1.847	2.774	8.3	20.1
1 2	7 32.56	+17 57.7	1.811	2.781	4.2	19.9
1 12	7 21.80	+18 41.5	1.805	2.787	1.3	19.7
1 22	7 11.17	+19 25.6	1.829	2.792	5.1	20.0
2 1	7 1.85	+20 6.9	1.882	2.796	9.2	20.2
2 11	6 54.73	+20 43.7	1.961	2.800	12.7	20.4

302911 2003 SS_{51} 1 10.4 92.°57 2.°6/ 9.6 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 57.08	+26 6.3	1.717	2.503	16.5	21.0
12 13	7 51.91	+26 49.8	1.652	2.523	12.9	20.8
12 23	7 43.70	+27 36.6	1.610	2.544	8.8	20.6
1 2	7 33.20	+28 20.7	1.593	2.563	4.5	20.3
1 12	7 21.69	+28 56.3	1.605	2.583	2.8	20.3
1 22	7 10.59	+29 20.0	1.645	2.602	6.4	20.5
2 1	7 1.26	+29 30.8	1.713	2.621	10.4	20.8
2 11	6 54.67	+29 30.5	1.805	2.639	13.9	21.1

172565 2003 UZ_{164} 1 10.4 64.°92 1.°5/10.0 12 C

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 56.21	+24 3.9	1.493	2.288	18.1	21.7
12 13	7 51.49	+24 25.9	1.434	2.310	14.1	21.5
12 23	7 43.50	+24 52.5	1.395	2.332	9.5	21.3
1 2	7 33.11	+25 18.7	1.382	2.355	4.5	21.1
1 12	7 21.72	+25 39.6	1.395	2.377	1.8	20.9
1 22	7 10.88	+25 52.1	1.437	2.399	6.3	21.3
2 1	7 2.02	+25 55.6	1.505	2.421	10.8	21.6
2 11	6 56.11	+25 51.3	1.596	2.444	14.7	21.9

197290 2003 WP_{119} 1 10.4 69.°35 4.°9/ 8.3 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 53.48	+32 55.1	2.093	2.875	14.0	20.0
12 13	7 48.92	+34 4.9	2.024	2.889	11.2	19.8
12 23	7 41.64	+35 13.4	1.978	2.902	8.1	19.7
1 2	7 32.26	+36 14.0	1.960	2.916	5.5	19.5
1 12	7 21.87	+37 0.5	1.970	2.929	5.1	19.5
1 22	7 11.70	+37 29.5	2.008	2.943	7.2	19.7
2 1	7 2.98	+37 40.6	2.074	2.957	10.1	19.9
2 11	6 56.64	+37 36.2	2.164	2.971	12.9	20.1

136006 2002 VR_{56} 1 10.4 97.°03 7.°3/13.6 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 53.10	+ 0 10.1	2.081	2.787	16.4	20.7
12 13	7 47.91	− 0 23.1	2.017	2.815	13.9	20.6
12 23	7 40.54	− 0 38.0	1.973	2.843	11.1	20.4
1 2	7 31.61	− 0 32.3	1.953	2.869	8.6	20.3
1 12	7 22.02	− 0 6.0	1.960	2.895	7.3	20.3
1 22	7 12.75	+ 0 38.5	1.996	2.921	8.0	20.4
2 1	7 4.72	+ 1 37.0	2.059	2.945	10.0	20.6
2 11	6 58.65	+ 2 44.2	2.148	2.969	12.4	20.8

165549 2001 DM_{39} 1 10.4 283.°26 1.°2/10.7 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 52.97	+18 49.4	1.760	2.542	16.3	20.2
12 13	7 49.07	+18 43.0	1.648	2.516	13.1	20.0
12 23	7 42.18	+18 43.7	1.557	2.489	9.1	19.7
1 2	7 32.74	+18 50.4	1.491	2.462	4.6	19.3
1 12	7 21.74	+19 0.6	1.453	2.435	1.4	19.0
1 22	7 10.52	+19 12.0	1.443	2.408	6.0	19.3
2 1	7 0.53	+19 22.7	1.461	2.380	10.9	19.5
2 11	6 53.02	+19 31.6	1.502	2.352	15.3	19.7

327451 2005 WR_{149} 1 10.4 83.°09 2.°7/ 9.5 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 53.11	+27 25.6	1.937	2.724	14.9	21.4
12 13	7 48.67	+28 2.5	1.859	2.730	11.7	21.2
12 23	7 41.49	+28 41.3	1.803	2.736	8.0	21.0
1 2	7 32.21	+29 17.2	1.773	2.743	4.3	20.8
1 12	7 21.89	+29 45.3	1.772	2.749	2.9	20.7
1 22	7 11.79	+30 2.5	1.800	2.755	6.1	21.0
2 1	7 3.14	+30 7.8	1.855	2.762	9.8	21.2
2 11	6 56.89	+30 2.7	1.935	2.768	13.1	21.4

454396 2014 NL_{26} 1 10.4 193.°09 1.°2/10.7 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 55.19	+19 12.9	1.819	2.595	16.1	21.4
12 13	7 50.34	+19 0.2	1.730	2.594	12.8	21.2
12 23	7 42.66	+18 53.5	1.662	2.593	8.8	21.0
1 2	7 32.78	+18 51.3	1.620	2.591	4.3	20.7
1 12	7 21.78	+18 51.7	1.606	2.589	1.4	20.5
1 22	7 10.94	+18 52.8	1.622	2.586	5.6	20.8
2 1	7 1.54	+18 53.6	1.666	2.583	10.0	21.0
2 11	6 54.58	+18 53.6	1.735	2.580	13.8	21.2

385402 2002 WZ_2 1 10.4 167.°68 8.°3/15.3 14 C

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 56.24	−18 59.2	4.086	4.603	11.1	24.1
12 13	7 49.40	−20 1.6	3.997	4.611	10.3	24.0
12 23	7 41.14	−20 49.0	3.929	4.619	9.4	23.9
1 2	7 31.83	−21 18.2	3.885	4.626	8.7	23.9
1 12	7 21.99	−21 27.2	3.866	4.631	8.4	23.8
1 22	7 12.19	−21 15.8	3.875	4.635	8.5	23.9
2 1	7 3.01	−20 45.2	3.910	4.638	8.9	23.9
2 11	6 54.96	−19 58.8	3.970	4.639	9.7	24.0

198174 2004 TY_{101} 1 10.4 205.°86 2.°3/11.1 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 50.36	+15 12.1	2.156	2.921	14.2	20.9
12 13	7 46.08	+15 0.0	2.064	2.920	11.4	20.7
12 23	7 39.53	+14 55.9	1.994	2.918	8.0	20.5
1 2	7 31.25	+14 59.3	1.951	2.917	4.4	20.3
1 12	7 22.09	+15 9.1	1.937	2.915	2.3	20.1
1 22	7 13.03	+15 23.6	1.952	2.913	5.0	20.3
2 1	7 5.07	+15 40.8	1.996	2.912	8.6	20.5
2 11	6 59.02	+15 59.1	2.065	2.910	12.0	20.7

61707 2000 QU_{137} 1 10.4 143.°08 2.°8/11.4 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 53.93	+13 0.7	1.872	2.634	16.2	20.5
12 13	7 49.13	+13 4.3	1.790	2.643	13.0	20.3
12 23	7 41.72	+13 20.0	1.730	2.652	9.2	20.1
1 2	7 32.30	+13 47.0	1.696	2.660	5.2	19.9
1 12	7 21.90	+14 22.8	1.690	2.667	2.8	19.8
1 22	7 11.68	+15 4.1	1.713	2.675	5.6	20.0
2 1	7 2.80	+15 47.4	1.765	2.681	9.6	20.2
2 11	6 56.18	+16 29.9	1.842	2.687	13.2	20.4

257396 2009 SF_{220} 1 10.4 200.°78 1.°2/ 9.9 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 51.59	+23 1.9	1.961	2.745	14.8	20.6
12 13	7 47.46	+23 33.6	1.874	2.745	11.6	20.4
12 23	7 40.69	+24 10.8	1.809	2.744	7.9	20.1
1 2	7 31.87	+24 49.8	1.771	2.744	3.7	19.9
1 12	7 21.98	+25 26.3	1.762	2.744	1.5	19.7
1 22	7 12.19	+25 56.5	1.782	2.744	5.4	20.0
2 1	7 3.70	+26 18.6	1.830	2.743	9.5	20.2
2 11	6 57.46	+26 32.3	1.903	2.743	13.0	20.5

30964 1994 WW_7 1 10.4 290.°31 3.°7/11.5 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 50.75	+12 34.1	1.504	2.287	18.6	18.9
12 13	7 47.57	+12 26.3	1.410	2.275	15.1	18.7
12 23	7 41.25	+12 33.4	1.336	2.262	10.9	18.4
1 2	7 32.31	+12 55.8	1.285	2.250	6.4	18.1
1 12	7 21.87	+13 31.8	1.260	2.238	3.7	17.9
1 22	7 11.35	+14 17.7	1.262	2.225	6.9	18.1
2 1	7 2.29	+15 9.0	1.290	2.213	11.7	18.3
2 11	6 55.93	+16 1.2	1.341	2.201	16.2	18.5

502524 2015 BY_{435} 1 10.4 250.°08 2.°4/11.5 17

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 47.61	+12 13.1	2.509	3.262	12.8	21.6
12 13	7 43.68	+12 27.1	2.407	3.255	10.3	21.4
12 23	7 37.82	+12 51.5	2.329	3.248	7.3	21.2
1 2	7 30.44	+13 25.8	2.278	3.240	4.2	21.0
1 12	7 22.26	+14 7.9	2.256	3.233	2.4	20.9
1 22	7 14.07	+14 55.2	2.265	3.226	4.5	21.0
2 1	7 6.73	+15 44.8	2.303	3.218	7.7	21.2
2 11	7 0.95	+16 33.9	2.368	3.210	10.7	21.4

406185 2006 WE_{117} 1 10.4 19.°01 4.°3/10.9 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 52.90	+15 8.2	1.551	2.334	18.1	20.2
12 13	7 48.79	+14 3.8	1.473	2.338	14.6	20.0
12 23	7 41.70	+13 6.6	1.416	2.342	10.5	19.8
1 2	7 32.34	+12 18.5	1.383	2.346	6.3	19.5
1 12	7 21.91	+11 41.1	1.377	2.351	4.3	19.4
1 22	7 11.79	+11 15.0	1.398	2.356	7.1	19.6
2 1	7 3.32	+10 59.6	1.446	2.362	11.2	19.9
2 11	6 57.46	+10 53.3	1.516	2.369	15.1	20.1

3163 Randi 1 10.4 130.°48 1.°5/10.9 18 A

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 56.35	+16 31.9	2.215	2.969	14.2	18.9
12 13	7 50.48	+16 37.3	2.139	2.990	11.2	18.7
12 23	7 42.32	+16 50.3	2.085	3.009	7.7	18.5
1 2	7 32.49	+17 9.2	2.059	3.028	3.9	18.3
1 12	7 21.90	+17 31.7	2.064	3.045	1.5	18.2
1 22	7 11.59	+17 55.2	2.100	3.062	4.7	18.4
2 1	7 2.53	+18 18.0	2.165	3.077	8.3	18.7
2 11	6 55.50	+18 38.9	2.258	3.092	11.4	18.9

199008 2005 WP_{72} 1 10.4 349.°02 0.°8/10.5 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 53.40	+21 1.1	1.319	2.125	19.5	20.1
12 13	7 50.00	+20 44.6	1.240	2.122	15.5	19.9
12 23	7 43.00	+20 34.2	1.180	2.119	10.6	19.6
1 2	7 33.12	+20 28.0	1.144	2.117	5.1	19.2
1 12	7 21.76	+20 23.3	1.133	2.116	1.2	19.0
1 22	7 10.65	+20 17.9	1.148	2.114	6.8	19.3
2 1	7 1.50	+20 11.1	1.188	2.114	12.2	19.6
2 11	6 55.55	+20 2.9	1.250	2.114	16.9	19.9

227340 2005 UR_{50} 1 10.4 107.°87 2.°3/ 9.7 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 54.26	+27 5.6	1.997	2.779	14.6	20.5
12 13	7 49.42	+27 30.8	1.919	2.788	11.5	20.3
12 23	7 41.92	+27 57.5	1.864	2.797	7.8	20.1
1 2	7 32.40	+28 21.2	1.835	2.805	4.0	19.9
1 12	7 21.92	+28 37.9	1.835	2.814	2.5	19.8
1 22	7 11.71	+28 45.0	1.865	2.822	5.7	20.1
2 1	7 2.94	+28 42.2	1.923	2.830	9.4	20.3
2 11	6 56.52	+28 30.9	2.005	2.838	12.7	20.5

56915 2000 QW_{206} 1 10.4 209.°83 5.°6/ 8.4 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 57.92	+37 35.8	2.344	3.109	13.2	19.6
12 13	7 52.36	+38 23.7	2.254	3.104	10.8	19.4
12 23	7 43.99	+39 7.0	2.187	3.098	8.2	19.2
1 2	7 33.42	+39 39.4	2.147	3.092	6.1	19.1
1 12	7 21.71	+39 55.4	2.136	3.085	5.7	19.1
1 22	7 10.14	+39 52.4	2.153	3.078	7.5	19.1
2 1	6 59.99	+39 30.9	2.199	3.070	10.2	19.3
2 11	6 52.25	+38 54.7	2.269	3.062	12.8	19.5

24617 1978 WU 1 10.4 99.°81 3.°7/11.4 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 54.56	+12 32.1	1.911	2.669	16.1	18.9
12 13	7 49.35	+12 2.7	1.841	2.689	12.9	18.7
12 23	7 41.67	+11 43.5	1.792	2.709	9.3	18.5
1 2	7 32.21	+11 35.0	1.768	2.728	5.6	18.4
1 12	7 21.97	+11 36.5	1.774	2.747	3.7	18.3
1 22	7 12.08	+11 46.5	1.809	2.765	5.9	18.5
2 1	7 3.59	+12 2.9	1.872	2.783	9.4	18.7
2 11	6 57.30	+12 23.1	1.960	2.801	12.6	18.9

24489 2000 YC_{117} 1 10.4 109.°14 1.°7/ 9.9 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 59.52	+23 25.3	1.538	2.325	18.1	19.0
12 13	7 54.13	+24 4.3	1.473	2.344	14.2	18.8
12 23	7 45.38	+24 49.5	1.429	2.363	9.5	18.6
1 2	7 34.08	+25 35.2	1.410	2.382	4.5	18.3
1 12	7 21.61	+26 15.0	1.419	2.400	2.0	18.2
1 22	7 9.59	+26 44.5	1.456	2.417	6.5	18.5
2 1	6 59.55	+27 2.4	1.521	2.434	11.1	18.8
2 11	6 52.54	+27 9.7	1.610	2.450	15.0	19.1

230686 2003 TC_{45} 1 10.4 344.°61 3.°2/11.2 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 50.08	+13 59.9	2.083	2.848	14.7	20.4
12 13	7 45.91	+13 28.3	1.993	2.847	11.8	20.2
12 23	7 39.44	+13 4.4	1.925	2.846	8.5	20.0
1 2	7 31.23	+12 49.0	1.883	2.845	5.0	19.8
1 12	7 22.15	+12 41.8	1.870	2.845	3.2	19.6
1 22	7 13.20	+12 41.8	1.885	2.844	5.5	19.8
2 1	7 5.39	+12 47.8	1.929	2.843	9.0	20.0
2 11	6 59.53	+12 58.0	1.998	2.843	12.3	20.2

393189 2013 CN_{135} 1 10.4 282.°89 1.°8/ 9.5 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 46.96	+27 47.0	3.138	3.910	10.0	20.9
12 13	7 42.90	+28 10.7	3.038	3.902	7.9	20.7
12 23	7 37.14	+28 34.9	2.963	3.894	5.4	20.6
1 2	7 30.08	+28 57.1	2.917	3.885	2.9	20.4
1 12	7 22.37	+29 14.9	2.901	3.877	1.9	20.3
1 22	7 14.71	+29 26.4	2.915	3.869	4.1	20.4
2 1	7 7.81	+29 31.0	2.959	3.861	6.7	20.6
2 11	7 2.29	+29 28.9	3.030	3.853	9.1	20.7

369374 2009 UP_{117} 1 10.4 155.°59 0.°7/10.1 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 52.34	+22 13.6	2.355	3.125	13.0	21.9
12 13	7 47.50	+22 40.1	2.268	3.131	10.2	21.7
12 23	7 40.43	+23 11.2	2.205	3.137	6.9	21.5
1 2	7 31.67	+23 43.9	2.170	3.142	3.2	21.3
1 12	7 22.07	+24 14.9	2.164	3.147	1.0	21.1
1 22	7 12.60	+24 41.5	2.190	3.151	4.6	21.4
2 1	7 4.23	+25 2.0	2.244	3.155	8.1	21.6
2 11	6 57.74	+25 16.2	2.325	3.158	11.2	21.8

455535 2004 CY_3 1 10.4 309.°21 8.°9/15.2 17

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 49.58	− 4 8.5	1.626	2.342	20.0	21.1
12 13	7 46.58	− 3 48.4	1.515	2.317	17.5	20.8
12 23	7 40.64	− 2 55.4	1.420	2.292	14.5	20.6
1 2	7 32.12	− 1 24.0	1.347	2.268	11.3	20.3
1 12	7 21.94	+ 0 46.7	1.299	2.244	9.1	20.1
1 22	7 11.36	+ 3 31.2	1.278	2.220	9.7	20.1
2 1	7 1.86	+ 6 38.1	1.286	2.197	12.8	20.2
2 11	6 54.76	+ 9 52.9	1.320	2.175	16.8	20.4

452241 2015 TX_1 1 10.4 48.°34 5.°6/11.9 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 51.97	+10 4.4	1.352	2.135	20.3	20.9
12 13	7 48.47	+ 9 30.3	1.281	2.142	16.6	20.7
12 23	7 41.72	+ 9 13.0	1.229	2.150	12.3	20.4
1 2	7 32.44	+ 9 14.3	1.200	2.157	7.9	20.2
1 12	7 21.93	+ 9 33.8	1.195	2.166	5.6	20.1
1 22	7 11.71	+10 8.4	1.216	2.174	8.0	20.3
2 1	7 3.26	+10 53.4	1.262	2.183	12.2	20.5
2 11	6 57.70	+11 43.6	1.331	2.191	16.2	20.8

357233 2002 JQ_{150} 1 10.4 210.°25 2.°8/11.4 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 53.22	+13 4.2	2.281	3.030	14.0	22.6
12 13	7 48.27	+12 58.1	2.178	3.023	11.3	22.4
12 23	7 41.04	+13 1.5	2.097	3.014	8.1	22.2
1 2	7 32.01	+13 14.0	2.043	3.006	4.7	21.9
1 12	7 22.01	+13 34.4	2.020	2.996	2.8	21.8
1 22	7 12.01	+14 0.5	2.026	2.985	5.2	21.9
2 1	7 3.01	+14 30.2	2.063	2.974	8.7	22.1
2 11	6 55.86	+15 1.2	2.125	2.962	12.0	22.3

296953 2010 EX_{33} 1 10.4 339.°94 2.°7/ 9.6 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 48.53	+26 58.8	1.713	2.515	15.9	20.3
12 13	7 45.65	+27 28.7	1.623	2.503	12.5	20.1
12 23	7 39.82	+28 1.6	1.554	2.492	8.6	19.8
1 2	7 31.60	+28 32.9	1.510	2.481	4.5	19.6
1 12	7 22.09	+28 57.4	1.493	2.471	2.9	19.4
1 22	7 12.64	+29 11.4	1.503	2.462	6.6	19.6
2 1	7 4.65	+29 13.6	1.539	2.454	10.8	19.9
2 11	6 59.22	+29 5.1	1.599	2.447	14.7	20.1

209644 2005 CR 1 10.4 320.°31 3.°0/11.0 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 48.88	+16 7.6	1.365	2.168	19.1	19.8
12 13	7 46.51	+15 44.8	1.271	2.149	15.5	19.5
12 23	7 40.77	+15 32.6	1.196	2.130	11.0	19.2
1 2	7 32.20	+15 31.4	1.143	2.113	6.0	18.9
1 12	7 21.97	+15 39.9	1.115	2.095	3.0	18.7
1 22	7 11.63	+15 55.8	1.113	2.079	7.1	18.8
2 1	7 2.88	+16 16.4	1.136	2.063	12.4	19.1
2 11	6 57.07	+16 38.9	1.180	2.049	17.3	19.3

206957 2004 RW_{341} 1 10.4 328.°58 0.°2/10.3 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 49.30	+20 19.6	1.275	2.089	19.6	20.4
12 13	7 47.14	+20 40.8	1.189	2.076	15.6	20.1
12 23	7 41.36	+21 13.5	1.122	2.064	10.7	19.8
1 2	7 32.52	+21 54.3	1.078	2.053	5.1	19.4
1 12	7 21.92	+22 37.6	1.059	2.042	1.0	19.1
1 22	7 11.29	+23 17.6	1.065	2.032	7.1	19.5
2 1	7 2.46	+23 50.2	1.095	2.023	12.8	19.8
2 11	6 56.88	+24 13.8	1.147	2.015	17.8	20.0

244315 2002 GA_{142} 1 10.4 35.°03 21.°1/16.4 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 51.12	−12 37.9	1.060	1.778	28.5	20.0
12 13	7 48.60	−15 31.3	1.011	1.783	26.3	19.9
12 23	7 42.28	−17 48.8	0.973	1.788	24.1	19.7
1 2	7 32.87	−19 15.5	0.950	1.794	22.3	19.6
1 12	7 21.87	−19 40.8	0.943	1.801	21.2	19.6
1 22	7 11.11	−19 2.7	0.951	1.808	21.3	19.6
2 1	7 2.44	−17 28.2	0.976	1.815	22.4	19.7
2 11	6 57.20	−15 12.6	1.017	1.823	24.1	19.9

285716 2000 SW_{268} 1 10.4 87.°69 1.°6/ 9.9 17

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 57.16	+23 30.2	1.619	2.406	17.3	20.7
12 13	7 52.08	+24 8.8	1.556	2.428	13.5	20.5
12 23	7 43.90	+24 53.0	1.515	2.450	9.1	20.3
1 2	7 33.38	+25 37.4	1.499	2.471	4.3	20.0
1 12	7 21.83	+26 16.3	1.511	2.493	1.9	19.9
1 22	7 10.73	+26 45.8	1.553	2.513	6.2	20.2
2 1	7 1.46	+27 4.2	1.621	2.534	10.5	20.5
2 11	6 54.99	+27 12.7	1.713	2.554	14.2	20.8

209633 2005 AP_{79} 1 10.4 92.°43 0.°5/10.7 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 50.08	+17 48.5	2.211	2.982	13.8	20.4
12 13	7 45.81	+18 19.1	2.130	2.992	10.8	20.2
12 23	7 39.34	+18 58.0	2.072	3.003	7.4	20.0
1 2	7 31.20	+19 42.7	2.042	3.013	3.5	19.8
1 12	7 22.23	+20 29.7	2.040	3.023	0.8	19.6
1 22	7 13.41	+21 15.5	2.070	3.033	4.5	19.9
2 1	7 5.69	+21 57.3	2.128	3.043	8.2	20.1
2 11	6 59.86	+22 33.7	2.212	3.053	11.4	20.3

66219 1999 CR_{50} 1 10.4 166.°73 4.°7/ 9.2 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 58.79	+35 11.3	2.175	2.944	14.0	18.8
12 13	7 52.98	+35 39.2	2.092	2.948	11.2	18.6
12 23	7 44.34	+36 2.5	2.031	2.950	8.2	18.5
1 2	7 33.57	+36 15.5	1.998	2.953	5.5	18.3
1 12	7 21.79	+36 13.6	1.993	2.955	4.8	18.3
1 22	7 10.32	+35 55.1	2.018	2.957	6.9	18.4
2 1	7 0.41	+35 21.4	2.071	2.958	9.9	18.6
2 11	6 53.01	+34 36.2	2.148	2.959	12.8	18.8

5268 Černohorský 1 10.4 105.°43 6.°5/12.8 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 52.89	+ 3 14.4	2.188	2.905	15.4	18.1
12 13	7 47.71	+ 2 28.2	2.118	2.927	12.9	17.9
12 23	7 40.43	+ 1 56.6	2.069	2.950	10.2	17.8
1 2	7 31.63	+ 1 42.1	2.045	2.971	7.7	17.7
1 12	7 22.17	+ 1 45.2	2.050	2.992	6.5	17.6
1 22	7 12.99	+ 2 4.7	2.083	3.013	7.4	17.7
2 1	7 4.97	+ 2 37.7	2.144	3.032	9.6	17.9
2 11	6 58.81	+ 3 20.1	2.230	3.052	12.0	18.1

204698 2006 EB_{18} 1 10.4 318.°51 1.°1/10.1 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 50.88	+22 25.1	1.362	2.172	18.8	20.8
12 13	7 48.23	+22 49.3	1.274	2.159	14.9	20.5
12 23	7 42.03	+23 22.2	1.205	2.146	10.2	20.2
1 2	7 32.82	+23 59.8	1.159	2.134	4.9	19.9
1 12	7 21.90	+24 36.2	1.139	2.122	1.6	19.6
1 22	7 10.94	+25 6.0	1.145	2.110	7.1	19.9
2 1	7 1.73	+25 26.3	1.176	2.099	12.5	20.2
2 11	6 55.69	+25 36.9	1.228	2.089	17.3	20.5

245643 2005 YA_{84} 1 10.4 260.°61 1.°0/10.7 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 52.96	+17 50.8	1.619	2.405	17.3	21.5
12 13	7 49.18	+18 4.8	1.524	2.394	13.8	21.2
12 23	7 42.29	+18 29.6	1.450	2.384	9.6	20.9
1 2	7 32.83	+19 3.1	1.401	2.373	4.7	20.6
1 12	7 21.91	+19 41.5	1.379	2.362	1.2	20.3
1 22	7 10.94	+20 20.4	1.385	2.350	6.1	20.6
2 1	7 1.42	+20 56.4	1.418	2.339	11.0	20.9
2 11	6 54.55	+21 27.3	1.475	2.327	15.4	21.1

63595 2001 QW_{63} 1 10.4 38.°74 5.°1/11.9 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 51.23	+10 33.4	1.330	2.117	20.4	19.5
12 13	7 47.98	+10 10.8	1.259	2.123	16.6	19.2
12 23	7 41.46	+10 5.7	1.207	2.130	12.2	19.0
1 2	7 32.38	+10 19.2	1.177	2.137	7.6	18.7
1 12	7 22.02	+10 50.0	1.172	2.145	5.1	18.6
1 22	7 11.94	+11 34.2	1.193	2.153	7.7	18.8
2 1	7 3.63	+12 26.6	1.239	2.162	12.1	19.1
2 11	6 58.23	+13 21.8	1.307	2.171	16.3	19.3

409492 2005 SE_{131} 1 10.4 0.°95 1.°0/10.2 16

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 45.55	+22 57.4	1.218	2.046	19.5	21.0
12 13	7 44.14	+23 10.3	1.147	2.042	15.4	20.7
12 23	7 39.19	+23 30.1	1.095	2.040	10.5	20.4
1 2	7 31.41	+23 53.1	1.065	2.040	4.9	20.1
1 12	7 22.20	+24 14.4	1.059	2.042	1.5	19.9
1 22	7 13.26	+24 29.8	1.078	2.045	7.0	20.2
2 1	7 6.26	+24 37.3	1.121	2.051	12.3	20.5
2 11	7 2.42	+24 36.9	1.184	2.058	16.9	20.8

185263 2006 UK_{127} 1 10.4 248.°55 3.°0/ 9.4 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 55.09	+28 34.1	1.992	2.773	14.7	20.9
12 13	7 50.47	+29 8.1	1.893	2.761	11.7	20.7
12 23	7 42.94	+29 43.6	1.817	2.748	8.1	20.5
1 2	7 33.07	+30 15.8	1.767	2.735	4.5	20.2
1 12	7 21.89	+30 39.3	1.745	2.721	3.3	20.1
1 22	7 10.71	+30 50.6	1.753	2.707	6.4	20.3
2 1	7 0.88	+30 48.9	1.789	2.693	10.3	20.5
2 11	6 53.49	+30 35.9	1.849	2.678	13.8	20.7

201192 2002 PR_{89} 1 10.4 134.°59 3.°7/11.8 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 49.92	+ 9 42.4	2.679	3.415	12.5	20.6
12 13	7 45.14	+ 9 16.9	2.594	3.426	10.1	20.5
12 23	7 38.61	+ 9 0.4	2.532	3.437	7.5	20.3
1 2	7 30.78	+ 8 53.4	2.498	3.448	5.0	20.2
1 12	7 22.36	+ 8 55.9	2.493	3.458	3.7	20.1
1 22	7 14.08	+ 9 6.6	2.518	3.468	5.0	20.2
2 1	7 6.70	+ 9 24.1	2.573	3.477	7.5	20.4
2 11	7 0.82	+ 9 46.2	2.655	3.486	10.0	20.6

87428 2000 QY_{102} 1 10.4 32.°76 0.°2/10.3 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 50.01	+19 12.9	1.642	2.435	16.8	18.4
12 13	7 46.60	+19 53.0	1.568	2.443	13.2	18.2
12 23	7 40.31	+20 43.6	1.515	2.452	8.9	18.0
1 2	7 31.79	+21 40.8	1.487	2.461	4.2	17.7
1 12	7 22.16	+22 39.1	1.487	2.470	0.8	17.5
1 22	7 12.73	+23 33.3	1.516	2.480	5.7	17.8
2 1	7 4.80	+24 19.7	1.571	2.491	10.2	18.1
2 11	6 59.38	+24 56.7	1.650	2.502	14.1	18.4

502733 2015 DZ_{34} 1 10.4 173.°43 3.°5/12.4 17

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 46.42	+ 6 46.5	3.196	3.917	10.9	22.5
12 13	7 42.24	+ 6 49.0	3.099	3.920	8.9	22.3
12 23	7 36.59	+ 7 1.7	3.025	3.921	6.7	22.2
1 2	7 29.84	+ 7 24.8	2.979	3.923	4.6	22.0
1 12	7 22.54	+ 7 57.3	2.963	3.924	3.5	22.0
1 22	7 15.29	+ 8 37.7	2.977	3.925	4.4	22.0
2 1	7 8.69	+ 9 23.7	3.022	3.926	6.5	22.2
2 11	7 3.28	+10 12.7	3.095	3.926	8.8	22.3

59185 1999 AT_{15} 1 10.4 188.°57 1.°2/10.1 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 57.61	+24 49.3	1.816	2.595	16.0	19.6
12 13	7 52.40	+24 57.2	1.728	2.595	12.6	19.4
12 23	7 44.18	+25 7.8	1.661	2.594	8.6	19.2
1 2	7 33.60	+25 17.2	1.621	2.593	4.1	18.9
1 12	7 21.82	+25 21.8	1.609	2.591	1.5	18.7
1 22	7 10.24	+25 19.1	1.627	2.589	5.8	19.0
2 1	7 0.23	+25 9.0	1.673	2.586	10.2	19.2
2 11	6 52.84	+24 52.8	1.743	2.582	14.1	19.5

413628 2005 UV_{353} 1 10.4 82.°50 4.°5/11.5 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 53.78	+11 20.0	1.941	2.696	15.9	20.4
12 13	7 48.70	+10 33.0	1.872	2.716	12.9	20.2
12 23	7 41.23	+ 9 56.3	1.823	2.736	9.4	20.0
1 2	7 32.05	+ 9 31.1	1.801	2.756	6.1	19.9
1 12	7 22.14	+ 9 17.8	1.807	2.775	4.5	19.8
1 22	7 12.58	+ 9 15.5	1.843	2.795	6.3	19.9
2 1	7 4.38	+ 9 22.6	1.906	2.814	9.5	20.2
2 11	6 58.31	+ 9 36.5	1.994	2.833	12.6	20.4

430319 2013 YX_{12} 1 10.4 290.°11 3.°0/ 8.9 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 50.41	+28 3.8	2.341	3.121	12.8	20.7
12 13	7 46.30	+28 59.9	2.250	3.118	10.1	20.5
12 23	7 39.83	+29 58.6	2.184	3.115	7.0	20.3
1 2	7 31.52	+30 55.2	2.145	3.112	4.0	20.1
1 12	7 22.21	+31 44.5	2.136	3.109	3.2	20.0
1 22	7 12.92	+32 23.1	2.157	3.106	5.7	20.2
2 1	7 4.71	+32 49.0	2.206	3.103	8.9	20.4
2 11	6 58.45	+33 2.7	2.280	3.101	11.8	20.6

462236 2008 AK_{118} 1 10.4 344.°22 5.°3/12.7 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 46.48	+ 6 55.5	1.418	2.198	19.7	21.1
12 13	7 44.30	+ 7 7.6	1.332	2.189	16.3	20.8
12 23	7 39.09	+ 7 43.3	1.264	2.182	12.2	20.5
1 2	7 31.37	+ 8 44.1	1.218	2.175	8.0	20.3
1 12	7 22.22	+10 7.3	1.198	2.170	5.3	20.1
1 22	7 13.06	+11 46.6	1.203	2.165	7.5	20.2
2 1	7 5.33	+13 33.4	1.235	2.161	11.8	20.4
2 11	7 0.26	+15 19.1	1.289	2.158	16.1	20.7

163170 2002 CQ_{218} 1 10.4 164.°50 0.°6/10.2 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 54.95	+21 46.0	1.851	2.630	15.7	20.4
12 13	7 50.21	+22 12.1	1.766	2.634	12.4	20.2
12 23	7 42.65	+22 44.6	1.704	2.637	8.4	19.9
1 2	7 32.87	+23 19.9	1.667	2.640	3.9	19.7
1 12	7 21.96	+23 53.7	1.660	2.642	1.1	19.5
1 22	7 11.20	+24 22.2	1.681	2.644	5.6	19.8
2 1	7 1.88	+24 43.5	1.731	2.646	9.8	20.0
2 11	6 55.00	+24 57.3	1.806	2.647	13.6	20.3

258540 2002 CD_{16} 1 10.4 359.°99 8.°3/13.2 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 43.79	+ 4 17.3	1.334	2.115	20.6	19.2
12 13	7 42.19	+ 3 34.1	1.259	2.111	17.4	18.9
12 23	7 37.60	+ 3 12.9	1.202	2.109	13.7	18.7
1 2	7 30.62	+ 3 18.3	1.165	2.108	10.2	18.5
1 12	7 22.39	+ 3 51.5	1.152	2.109	8.3	18.4
1 22	7 14.30	+ 4 49.3	1.162	2.111	9.5	18.5
2 1	7 7.74	+ 6 5.4	1.196	2.115	12.9	18.7
2 11	7 3.81	+ 7 31.4	1.252	2.120	16.6	18.9

47576 2000 AW_{172} 1 10.4 35.°65 6.°4/11.9 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 54.61	+11 32.1	0.832	1.656	26.6	19.1
12 13	7 51.32	+10 38.2	0.803	1.689	21.3	18.9
12 23	7 43.80	+10 7.6	0.790	1.723	15.3	18.7
1 2	7 33.33	+10 2.3	0.795	1.759	9.5	18.6
1 12	7 21.96	+10 19.8	0.822	1.796	6.4	18.5
1 22	7 11.78	+10 54.5	0.871	1.834	9.2	18.8
2 1	7 4.46	+11 39.2	0.942	1.872	14.0	19.2
2 11	7 0.88	+12 27.1	1.032	1.912	18.3	19.6

52693 1998 FH_{13} 1 10.4 267.°23 1.°0/10.9 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 48.12	+17 9.7	2.530	3.295	12.4	19.2
12 13	7 44.17	+17 23.5	2.425	3.283	9.8	19.0
12 23	7 38.23	+17 44.5	2.343	3.271	6.8	18.8
1 2	7 30.73	+18 11.4	2.288	3.258	3.4	18.6
1 12	7 22.38	+18 42.0	2.264	3.246	1.1	18.4
1 22	7 14.01	+19 13.9	2.270	3.233	4.2	18.6
2 1	7 6.48	+19 44.9	2.305	3.220	7.7	18.8
2 11	7 0.56	+20 13.5	2.366	3.208	10.7	19.0

263034 2007 FK_{45} 1 10.4 86.°84 2.°8/ 9.6 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 54.03	+28 35.7	1.952	2.737	14.8	21.3
12 13	7 49.44	+29 0.4	1.870	2.740	11.7	21.1
12 23	7 42.07	+29 25.5	1.811	2.743	8.1	20.8
1 2	7 32.58	+29 46.4	1.778	2.746	4.4	20.6
1 12	7 22.04	+29 58.6	1.773	2.750	3.0	20.5
1 22	7 11.75	+29 59.8	1.797	2.753	6.1	20.7
2 1	7 2.92	+29 49.9	1.849	2.756	9.8	21.0
2 11	6 56.52	+29 30.7	1.926	2.759	13.2	21.2

346199 2007 XD_{27} 1 10.4 111.°74 3.°4/11.3 18

12 3	7 50.95	+12 48.5	2.557	3.304	12.7	20.4
12 13	7 46.05	+12 1.2	2.468	3.309	10.3	20.2
12 23	7 39.28	+11 20.1	2.403	3.315	7.5	20.0
1 2	7 31.13	+10 46.3	2.365	3.320	4.7	19.9
1 12	7 22.33	+10 20.3	2.356	3.326	3.4	19.8
1 22	7 13.70	+10 2.1	2.379	3.331	5.1	19.9
2 1	7 6.04	+ 9 51.1	2.431	3.336	7.8	20.1
2 11	6 59.98	+ 9 46.3	2.509	3.341	10.5	20.3

89654 2001 XL_{250} 1 10.4 26.°61 0.°0/10.4 18

12 3	7 50.63	+19 32.6	1.783	2.570	15.9	19.5
12 13	7 46.91	+19 58.9	1.701	2.573	12.6	19.3
12 23	7 40.46	+20 34.1	1.640	2.575	8.5	19.0
1 2	7 31.87	+21 14.9	1.605	2.578	4.0	18.8
1 12	7 22.19	+21 57.3	1.598	2.581	0.7	18.5
1 22	7 12.64	+22 37.1	1.619	2.584	5.4	18.9
2 1	7 4.46	+23 11.3	1.668	2.587	9.8	19.1
2 11	6 58.64	+23 38.7	1.741	2.591	13.6	19.4

44714 1999 TS_5 1 10.4 83.°65 2.°2/ 9.9 18

12 3	8 0.32	+25 43.7	1.368	2.165	19.4	18.8
12 13	7 55.09	+26 4.4	1.309	2.185	15.2	18.6
12 23	7 46.18	+26 28.2	1.270	2.206	10.3	18.4
1 2	7 34.53	+26 49.2	1.255	2.227	5.0	18.2
1 12	7 21.72	+27 2.0	1.266	2.247	2.4	18.0
1 22	7 9.57	+27 3.6	1.306	2.267	7.0	18.4
2 1	6 59.72	+26 54.4	1.371	2.287	11.8	18.7
2 11	6 53.22	+26 37.1	1.459	2.306	15.9	19.0

57002 2000 ST_{343} 1 10.4 285.°01 1.°2/10.0 18

12 3	7 50.23	+25 15.9	2.432	3.208	12.5	20.0
12 13	7 45.90	+25 26.2	2.338	3.204	9.8	19.8
12 23	7 39.41	+25 38.2	2.267	3.200	6.6	19.6
1 2	7 31.27	+25 49.2	2.224	3.196	3.2	19.4
1 12	7 22.31	+25 56.6	2.210	3.191	1.4	19.2
1 22	7 13.45	+25 58.8	2.226	3.187	4.6	19.5
2 1	7 5.64	+25 55.0	2.272	3.183	8.0	19.7
2 11	6 59.65	+25 45.7	2.343	3.179	11.0	19.8

327022 2004 RR_{212} 1 10.4 182.°66 2.°2/11.0 18

12 3	7 53.16	+16 11.1	2.447	3.200	13.0	21.0
12 13	7 47.96	+15 43.6	2.351	3.201	10.4	20.8
12 23	7 40.67	+15 21.4	2.280	3.201	7.3	20.6
1 2	7 31.83	+15 4.3	2.236	3.201	4.0	20.4
1 12	7 22.21	+14 51.9	2.222	3.200	2.2	20.3
1 22	7 12.73	+14 43.5	2.239	3.198	4.7	20.5
2 1	7 4.27	+14 38.5	2.286	3.197	8.0	20.7
2 11	6 57.57	+14 36.1	2.360	3.194	11.0	20.9

334558 2002 TV_5 1 10.4 129.°64 4.°1/ 8.8 18

12 3	7 53.32	+33 11.6	2.402	3.176	12.7	20.7
12 13	7 48.49	+33 58.3	2.322	3.182	10.1	20.5
12 23	7 41.25	+34 43.0	2.264	3.187	7.3	20.3
1 2	7 32.15	+35 20.6	2.235	3.192	4.8	20.2
1 12	7 22.15	+35 46.5	2.234	3.197	4.3	20.2
1 22	7 12.32	+35 58.3	2.263	3.202	6.3	20.3
2 1	7 3.72	+35 55.7	2.320	3.206	9.1	20.5
2 11	6 57.21	+35 40.9	2.403	3.211	11.7	20.6

117454 2005 AG_{59} 1 10.4 281.°59 0.°2/10.5 18

12 3	7 49.89	+19 52.2	2.156	2.933	13.9	20.5
12 13	7 45.87	+20 8.2	2.064	2.930	10.9	20.3
12 23	7 39.53	+20 30.6	1.996	2.928	7.4	20.1
1 2	7 31.38	+20 57.3	1.953	2.926	3.5	19.8
1 12	7 22.30	+21 25.3	1.940	2.923	0.7	19.6
1 22	7 13.30	+21 51.8	1.957	2.921	4.7	19.9
2 1	7 5.40	+22 14.7	2.002	2.919	8.6	20.1
2 11	6 59.46	+22 33.2	2.073	2.916	11.9	20.3

489586 2007 TP_{122} 1 10.4 59.°56 0.°2/10.5 18

12 3	7 50.14	+19 56.6	2.136	2.913	14.0	21.5
12 13	7 45.87	+20 11.3	2.065	2.930	10.9	21.3
12 23	7 39.37	+20 32.0	2.016	2.948	7.4	21.1
1 2	7 31.22	+20 56.2	1.994	2.966	3.5	20.9
1 12	7 22.35	+21 21.2	2.001	2.984	0.6	20.7
1 22	7 13.73	+21 44.3	2.038	3.002	4.6	21.0
2 1	7 6.32	+22 3.9	2.103	3.020	8.2	21.3
2 11	7 0.87	+22 19.3	2.194	3.038	11.4	21.5

410012 2006 WX_{77} 1 10.4 146.°98 5.°3/ 8.2 18

	h m	° ′			°	m
12 3	7 57.35	+34 2.9	2.109	2.883	14.2	21.1
12 13	7 52.12	+35 16.4	2.032	2.891	11.4	20.9
12 23	7 43.98	+36 28.5	1.979	2.898	8.4	20.8
1 2	7 33.53	+37 31.8	1.953	2.905	5.9	20.6
1 12	7 21.89	+38 19.6	1.955	2.911	5.5	20.6
1 22	7 10.40	+38 48.0	1.987	2.917	7.7	20.8
2 1	7 0.40	+38 56.6	2.046	2.923	10.6	21.0
2 11	6 52.92	+38 48.4	2.130	2.928	13.3	21.1

137967 2000 CS_{26} 1 10.4 266.°59 0.°8/10.6 18

12 3	7 52.44	+19 26.7	1.805	2.587	16.0	19.5
12 13	7 48.37	+19 26.2	1.711	2.580	12.7	19.3
12 23	7 41.50	+19 32.5	1.640	2.572	8.7	19.0
1 2	7 32.40	+19 43.9	1.593	2.565	4.2	18.7
1 12	7 22.11	+19 57.8	1.575	2.558	1.0	18.5
1 22	7 11.88	+20 11.5	1.585	2.550	5.5	18.8
2 1	7 3.00	+20 23.4	1.623	2.543	10.0	19.0
2 11	6 56.51	+20 32.5	1.686	2.535	13.9	19.3

399223 2014 GK_{42} 1 10.4 48.°86 4.°7/ 9.3 18

12 3	7 57.00	+29 52.0	1.367	2.172	19.0	21.1
12 13	7 53.07	+30 38.9	1.295	2.175	15.1	20.9
12 23	7 45.25	+31 27.2	1.243	2.179	10.6	20.6
1 2	7 34.29	+32 8.8	1.215	2.182	6.2	20.4
1 12	7 21.76	+32 35.6	1.212	2.185	4.9	20.3
1 22	7 9.56	+32 43.1	1.236	2.189	8.5	20.5
2 1	6 59.57	+32 31.6	1.284	2.193	13.0	20.8
2 11	6 53.08	+32 5.2	1.354	2.197	17.1	21.1

465466 2008 SD_{142} 1 10.4 56.°20 5.°1/ 8.6 18

12 3	7 53.87	+33 38.5	1.981	2.766	14.6	21.1
12 13	7 49.41	+34 38.4	1.914	2.779	11.7	20.9
12 23	7 42.09	+35 36.1	1.869	2.793	8.5	20.8
1 2	7 32.61	+36 24.7	1.850	2.806	5.8	20.6
1 12	7 22.09	+36 58.4	1.860	2.820	5.3	20.6
1 22	7 11.88	+37 14.2	1.897	2.834	7.4	20.8
2 1	7 3.23	+37 12.2	1.962	2.848	10.4	21.0
2 11	6 57.09	+36 55.4	2.050	2.862	13.3	21.2

70522 1999 TE_{110} 1 10.4 193.°01 2.°9/ 9.5 18

12 3	7 58.45	+29 44.3	2.258	3.026	13.6	20.5
12 13	7 52.61	+30 10.4	2.165	3.024	10.8	20.3
12 23	7 44.10	+30 35.9	2.094	3.021	7.5	20.0
1 2	7 33.54	+30 56.2	2.051	3.017	4.2	19.8
1 12	7 21.91	+31 7.0	2.039	3.013	3.1	19.8
1 22	7 10.43	+31 6.1	2.057	3.008	5.8	19.9
2 1	7 0.28	+30 53.3	2.104	3.002	9.3	20.1
2 11	6 52.40	+30 30.9	2.177	2.995	12.4	20.3

500302 2012 QQ_{31} 1 10.4 151.°88 1.°4/ 9.9 18

12 3	7 52.24	+26 28.5	2.615	3.384	11.9	21.3
12 13	7 47.22	+26 34.9	2.526	3.388	9.3	21.1
12 23	7 40.16	+26 41.5	2.462	3.393	6.3	20.9
1 2	7 31.58	+26 46.0	2.426	3.397	3.1	20.7
1 12	7 22.30	+26 46.0	2.420	3.400	1.5	20.6
1 22	7 13.20	+26 40.1	2.445	3.404	4.4	20.8
2 1	7 5.15	+26 28.3	2.500	3.407	7.5	21.0
2 11	6 58.86	+26 11.5	2.581	3.410	10.3	21.2

349098 2007 EN_{175} 1 10.4 81.°48 4.°9/ 9.4 17

12 3	8 1.21	+31 38.0	1.447	2.241	18.7	20.9
12 13	7 55.87	+32 21.7	1.389	2.262	14.8	20.7
12 23	7 46.77	+33 3.3	1.351	2.282	10.4	20.5
1 2	7 34.84	+33 34.7	1.338	2.302	6.3	20.3
1 12	7 21.72	+33 49.0	1.351	2.322	5.1	20.3
1 22	7 9.28	+33 43.5	1.392	2.342	8.2	20.5
2 1	6 59.19	+33 20.1	1.458	2.361	12.2	20.8
2 11	6 52.53	+32 43.9	1.547	2.380	15.9	21.1

92521 2000 NM_{28} 1 10.4 179.°77 1.°6/10.9 18

12 3	7 56.02	+17 14.6	2.052	2.813	15.0	20.7
12 13	7 50.67	+17 6.6	1.960	2.815	11.9	20.5
12 23	7 42.78	+17 5.7	1.891	2.816	8.3	20.3
1 2	7 32.92	+17 10.6	1.848	2.817	4.3	20.1
1 12	7 22.06	+17 19.5	1.836	2.817	1.7	19.9
1 22	7 11.33	+17 30.4	1.853	2.816	5.2	20.1
2 1	7 1.87	+17 41.9	1.900	2.814	9.1	20.4
2 11	6 54.58	+17 52.8	1.972	2.811	12.7	20.6

82658 2001 PA_{16} 1 10.4 208.°86 4.°1/ 9.1 18

12 3	7 57.61	+32 50.2	2.264	3.034	13.5	20.7
12 13	7 52.10	+33 25.8	2.170	3.028	10.8	20.5
12 23	7 43.85	+33 59.4	2.099	3.021	7.8	20.3
1 2	7 33.47	+34 25.6	2.055	3.014	4.9	20.1
1 12	7 21.96	+34 39.5	2.040	3.007	4.2	20.0
1 22	7 10.57	+34 38.4	2.056	2.999	6.5	20.1
2 1	7 0.52	+34 22.6	2.100	2.990	9.7	20.3
2 11	6 52.79	+33 54.7	2.169	2.981	12.7	20.5

468505 2005 LC_{52} 1 10.4 214.°88 0.°2/10.5 17

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 50.61	+21 34.2	3.091	3.848	10.5	21.7
12 13	7 45.65	+21 26.7	2.985	3.841	8.3	21.6
12 23	7 38.98	+21 21.3	2.905	3.833	5.6	21.4
1 2	7 31.03	+21 16.8	2.853	3.824	2.7	21.2
1 12	7 22.44	+21 12.0	2.832	3.815	0.5	21.0
1 22	7 13.91	+21 5.9	2.844	3.806	3.6	21.2
2 1	7 6.16	+20 58.2	2.886	3.796	6.5	21.4
2 11	6 59.81	+20 48.8	2.956	3.786	9.1	21.6

248293 2005 LN_{1} 1 10.4 51.°68 1.°7/11.2 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 48.10	+14 28.6	2.282	3.046	13.6	20.5
12 13	7 44.26	+14 50.4	2.194	3.050	10.8	20.3
12 23	7 38.33	+15 22.4	2.129	3.055	7.5	20.1
1 2	7 30.81	+16 3.0	2.092	3.059	4.0	19.9
1 12	7 22.47	+16 49.6	2.083	3.063	1.7	19.7
1 22	7 14.23	+17 38.8	2.104	3.068	4.5	19.9
2 1	7 6.98	+18 27.5	2.155	3.072	8.0	20.2
2 11	7 1.47	+19 13.3	2.232	3.077	11.1	20.4

473487 2015 XW_{86} 1 10.4 47.°05 6.°5/ 7.6 17

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 55.23	+32 31.3	1.640	2.435	16.8	20.5
12 13	7 51.36	+34 15.7	1.569	2.440	13.4	20.3
12 23	7 43.99	+36 1.9	1.520	2.446	9.9	20.1
1 2	7 33.74	+37 39.9	1.497	2.452	7.0	19.9
1 12	7 21.91	+38 59.3	1.501	2.457	6.8	19.9
1 22	7 10.17	+39 53.7	1.533	2.464	9.4	20.1
2 1	7 0.25	+40 21.6	1.589	2.470	12.8	20.3
2 11	6 53.42	+40 26.6	1.668	2.476	16.0	20.5

403014 2007 VH_{333} 1 10.4 37.°73 1.°6/ 9.9 17

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 51.98	+21 1.4	1.260	2.072	19.9	20.4
12 13	7 48.84	+22 2.8	1.206	2.092	15.5	20.2
12 23	7 42.15	+23 15.3	1.172	2.113	10.4	19.9
1 2	7 32.75	+24 32.0	1.161	2.135	4.9	19.7
1 12	7 22.13	+25 44.5	1.176	2.158	2.0	19.6
1 22	7 12.00	+26 45.5	1.218	2.182	7.0	19.9
2 1	7 3.96	+27 31.6	1.285	2.206	11.9	20.3
2 11	6 59.09	+28 2.7	1.373	2.231	16.0	20.6

240488 2004 CW_{40} 1 10.4 271.°78 0.°8/10.9 17

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 48.70	+15 57.3	2.435	3.198	12.8	20.3
12 13	7 44.77	+16 38.2	2.330	3.187	10.2	20.1
12 23	7 38.76	+17 29.4	2.248	3.175	7.0	19.9
1 2	7 31.07	+18 28.9	2.194	3.164	3.5	19.6
1 12	7 22.43	+19 33.0	2.170	3.152	0.9	19.4
1 22	7 13.72	+20 38.0	2.177	3.141	4.4	19.7
2 1	7 5.85	+21 40.1	2.214	3.129	7.9	19.9
2 11	6 59.64	+22 36.9	2.278	3.117	11.2	20.0

149251 2002 SL_{50} 1 10.4 19.°27 3.°5/ 9.6 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 53.84	+26 31.5	1.198	2.016	20.4	19.2
12 13	7 50.93	+27 13.8	1.130	2.019	16.1	19.0
12 23	7 43.99	+28 1.5	1.081	2.023	11.1	18.7
1 2	7 33.79	+28 47.2	1.055	2.027	5.8	18.4
1 12	7 21.94	+29 22.6	1.053	2.031	3.8	18.3
1 22	7 10.44	+29 42.1	1.076	2.037	8.3	18.6
2 1	7 1.23	+29 44.9	1.123	2.042	13.4	18.9
2 11	6 55.66	+29 33.6	1.191	2.049	17.9	19.2

327368 2005 UN_{283} 1 10.4 52.°92 1.°1/10.8 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 51.16	+17 54.1	1.754	2.538	16.3	21.0
12 13	7 47.24	+18 4.3	1.679	2.548	12.9	20.8
12 23	7 40.63	+18 23.5	1.625	2.557	8.8	20.6
1 2	7 31.96	+18 49.6	1.595	2.567	4.3	20.3
1 12	7 22.30	+19 19.5	1.594	2.577	1.2	20.1
1 22	7 12.88	+19 49.6	1.622	2.587	5.4	20.5
2 1	7 4.89	+20 17.5	1.677	2.597	9.6	20.7
2 11	6 59.25	+20 41.5	1.756	2.608	13.4	21.0

189180 2003 AH_{8} 1 10.4 29.°82 0.°3/10.4 17

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 54.72	+23 49.1	1.098	1.920	21.6	19.8
12 13	7 51.47	+23 29.6	1.040	1.930	17.1	19.5
12 23	7 44.17	+23 13.8	0.999	1.941	11.6	19.2
1 2	7 33.76	+22 58.7	0.979	1.954	5.4	19.0
1 12	7 22.00	+22 41.2	0.984	1.967	1.1	18.7
1 22	7 10.92	+22 19.9	1.014	1.982	7.3	19.1
2 1	7 2.33	+21 55.7	1.068	1.997	12.9	19.5
2 11	6 57.36	+21 30.1	1.142	2.013	17.6	19.8

327976 2007 FP_{33} 1 10.4 204.°13 1.°9/11.1 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 50.76	+15 43.1	2.150	2.916	14.2	21.6
12 13	7 46.51	+15 42.6	2.057	2.914	11.4	21.4
12 23	7 39.96	+15 50.7	1.986	2.912	7.9	21.2
1 2	7 31.63	+16 6.2	1.942	2.910	4.2	20.9
1 12	7 22.38	+16 27.4	1.927	2.907	1.9	20.8
1 22	7 13.21	+16 52.0	1.942	2.905	4.9	21.0
2 1	7 5.12	+17 17.6	1.986	2.902	8.6	21.2
2 11	6 58.97	+17 42.6	2.055	2.899	12.0	21.4

210807 2001 HQ_{40} 1 10.4 163.°25 3.°9/12.3 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 52.08	+ 7 28.9	2.576	3.300	13.2	21.3
12 13	7 47.00	+ 7 28.0	2.484	3.308	10.8	21.2
12 23	7 40.01	+ 7 39.1	2.415	3.315	8.1	21.0
1 2	7 31.57	+ 8 2.4	2.374	3.321	5.4	20.8
1 12	7 22.40	+ 8 36.8	2.362	3.326	3.9	20.7
1 22	7 13.33	+ 9 20.0	2.381	3.331	5.2	20.8
2 1	7 5.15	+10 9.2	2.430	3.334	7.9	21.0
2 11	6 58.58	+11 1.2	2.506	3.337	10.6	21.2

85026 2653 P–L 1 10.5 125.°26 1.°7/ 9.8 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 51.09	+26 48.6	2.680	3.451	11.6	20.3
12 13	7 46.32	+27 9.6	2.597	3.460	9.1	20.2
12 23	7 39.56	+27 31.5	2.538	3.468	6.2	20.0
1 2	7 31.35	+27 51.1	2.507	3.477	3.1	19.8
1 12	7 22.45	+28 5.9	2.506	3.485	1.8	19.7
1 22	7 13.72	+28 14.0	2.537	3.493	4.4	19.9
2 1	7 6.00	+28 14.9	2.596	3.501	7.4	20.1
2 11	6 59.97	+28 9.2	2.682	3.509	10.1	20.3

110679 2001 TN_{198} 1 10.5 173.°98 5.°7/12.8 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 50.05	+ 4 55.7	2.022	2.758	15.9	20.2
12 13	7 46.02	+ 4 43.6	1.933	2.759	13.3	20.0
12 23	7 39.66	+ 4 48.0	1.864	2.760	10.2	19.8
1 2	7 31.51	+ 5 10.4	1.820	2.761	7.3	19.6
1 12	7 22.41	+ 5 50.2	1.803	2.761	5.7	19.5
1 22	7 13.38	+ 6 44.6	1.815	2.762	6.9	19.6
2 1	7 5.44	+ 7 49.6	1.855	2.762	9.8	19.8
2 11	6 59.45	+ 8 59.9	1.920	2.761	12.8	20.0

110597 2001 TD_{132} 1 10.5 5.°50 0.°3/10.5 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 51.62	+20 21.1	1.721	2.510	16.4	20.4
12 13	7 47.81	+20 26.6	1.638	2.510	12.9	20.1
12 23	7 41.16	+20 38.8	1.575	2.510	8.8	19.9
1 2	7 32.28	+20 55.5	1.538	2.511	4.2	19.6
1 12	7 22.28	+21 13.5	1.528	2.511	0.8	19.4
1 22	7 12.44	+21 29.9	1.547	2.512	5.6	19.7
2 1	7 4.06	+21 42.9	1.593	2.514	10.1	20.0
2 11	6 58.14	+21 51.7	1.663	2.515	14.0	20.2

305903 2009 FQ_{38} 1 10.5 355.°92 0.°4/10.6 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 49.95	+20 21.8	1.294	2.107	19.5	20.4
12 13	7 47.43	+20 23.3	1.218	2.103	15.4	20.1
12 23	7 41.41	+20 33.5	1.160	2.100	10.6	19.8
1 2	7 32.55	+20 50.0	1.124	2.098	5.1	19.5
1 12	7 22.22	+21 8.9	1.114	2.097	1.0	19.2
1 22	7 12.09	+21 26.4	1.130	2.097	6.7	19.6
2 1	7 3.83	+21 40.0	1.170	2.098	12.1	19.9
2 11	6 58.68	+21 48.9	1.232	2.100	16.8	20.2

98727 2000 YN_{16} 1 10.5 318.°67 1.°8/10.0 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 52.48	+24 58.2	1.465	2.270	18.0	19.1
12 13	7 49.29	+25 14.9	1.377	2.259	14.3	18.9
12 23	7 42.64	+25 36.2	1.309	2.248	9.8	18.6
1 2	7 33.16	+25 57.5	1.264	2.237	4.8	18.3
1 12	7 22.10	+26 13.9	1.246	2.227	2.1	18.1
1 22	7 11.11	+26 21.3	1.254	2.218	6.9	18.3
2 1	7 1.85	+26 18.6	1.288	2.209	12.0	18.6
2 11	6 55.64	+26 7.2	1.345	2.200	16.4	18.8

384151 2009 AO_{13} 1 10.5 187.°92 1.°0/10.9 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 48.64	+16 23.6	2.554	3.316	12.4	21.1
12 13	7 44.50	+16 46.5	2.459	3.315	9.8	20.9
12 23	7 38.43	+17 17.4	2.388	3.315	6.7	20.7
1 2	7 30.88	+17 54.7	2.345	3.314	3.4	20.5
1 12	7 22.55	+18 35.8	2.331	3.313	1.1	20.3
1 22	7 14.26	+19 17.8	2.349	3.312	4.1	20.5
2 1	7 6.84	+19 58.4	2.396	3.311	7.4	20.7
2 11	7 1.02	+20 35.7	2.470	3.310	10.4	20.9

477927 2011 QG_{46} 1 10.5 294.°94 21.°4/ 4.8 17

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	8 17.66	+57 25.6	1.047	1.816	25.8	20.1
12 13	8 15.64	+59 56.7	0.993	1.806	23.9	19.9
12 23	8 4.66	+62 6.7	0.953	1.797	22.3	19.7
1 2	7 44.84	+63 30.4	0.929	1.787	21.4	19.6
1 12	7 19.90	+63 44.0	0.921	1.778	21.7	19.6
1 22	6 56.25	+62 39.7	0.929	1.769	23.1	19.7
2 1	6 39.55	+60 28.8	0.953	1.761	25.1	19.8
2 11	6 31.94	+57 34.6	0.991	1.753	27.5	19.9

456232 2006 KB_{93} 1 10.5 18.°51 3.°0/11.2 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 51.91	+14 56.6	1.504	2.291	18.4	20.8
12 13	7 48.33	+14 40.6	1.424	2.292	14.8	20.6
12 23	7 41.67	+14 36.2	1.364	2.294	10.4	20.3
1 2	7 32.58	+14 43.3	1.328	2.296	5.8	20.1
1 12	7 22.25	+14 59.9	1.319	2.298	3.0	19.9
1 22	7 12.11	+15 23.2	1.336	2.300	6.5	20.1
2 1	7 3.58	+15 50.3	1.380	2.303	11.1	20.4
2 11	6 57.74	+16 18.2	1.446	2.305	15.3	20.7

485381 2011 GK_{24} 1 10.5 262.°64 0.°7/10.3 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 56.58	+23 24.3	1.406	2.205	18.9	21.1
12 13	7 52.57	+23 25.5	1.320	2.198	15.0	20.8
12 23	7 44.91	+23 31.6	1.253	2.190	10.3	20.6
1 2	7 34.24	+23 38.8	1.210	2.183	4.9	20.2
1 12	7 21.94	+23 42.8	1.193	2.176	1.2	19.9
1 22	7 9.76	+23 40.6	1.203	2.168	6.9	20.3
2 1	6 59.49	+23 31.6	1.240	2.161	12.2	20.6
2 11	6 52.45	+23 17.1	1.298	2.153	16.9	20.8

314740 2006 SC_{127} 1 10.5 44.°82 5.°9/11.4 16

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 58.92	+12 45.8	1.305	2.085	21.0	19.9
12 13	7 53.38	+11 18.9	1.262	2.121	16.9	19.7
12 23	7 44.63	+10 5.1	1.238	2.157	12.3	19.6
1 2	7 33.71	+ 9 7.8	1.238	2.194	7.9	19.4
1 12	7 22.12	+ 8 28.6	1.263	2.232	5.9	19.4
1 22	7 11.41	+ 8 7.5	1.316	2.269	8.1	19.6
2 1	7 2.88	+ 8 1.9	1.394	2.307	11.9	20.0
2 11	6 57.33	+ 8 8.1	1.495	2.344	15.4	20.3

19016 2000 RY_{78} 1 10.5 98.°98 5.°6/12.3 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 50.50	+ 6 47.7	2.027	2.770	15.7	18.4
12 13	7 46.26	+ 6 9.7	1.946	2.778	13.0	18.2
12 23	7 39.76	+ 5 45.0	1.886	2.785	10.0	18.0
1 2	7 31.54	+ 5 35.7	1.850	2.793	7.1	17.9
1 12	7 22.48	+ 5 42.0	1.842	2.800	5.6	17.8
1 22	7 13.60	+ 6 2.7	1.863	2.807	6.9	17.9
2 1	7 5.86	+ 6 35.0	1.911	2.815	9.7	18.1
2 11	7 0.08	+ 7 15.0	1.984	2.822	12.6	18.3

110702 2001 TR_{216} 1 10.5 23.°71 4.°0/ 8.7 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 49.91	+23 12.4	1.270	2.088	19.5	18.1
12 13	7 47.55	+25 5.9	1.211	2.101	15.2	17.9
12 23	7 41.58	+27 11.9	1.173	2.115	10.3	17.6
1 2	7 32.67	+29 19.8	1.159	2.131	5.5	17.4
1 12	7 22.27	+31 17.0	1.172	2.148	4.4	17.4
1 22	7 12.12	+32 53.4	1.211	2.166	8.4	17.7
2 1	7 3.99	+34 4.1	1.275	2.185	13.0	18.0
2 11	6 59.12	+34 50.1	1.360	2.205	16.9	18.3

283908 2004 FY_{8} 1 10.5 339.°14 4.°3/12.2 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 45.82	+ 8 55.1	1.911	2.676	15.8	20.0
12 13	7 43.00	+ 8 54.8	1.816	2.666	13.0	19.8
12 23	7 37.81	+ 9 9.8	1.741	2.656	9.6	19.6
1 2	7 30.74	+ 9 40.8	1.691	2.647	6.2	19.3
1 12	7 22.63	+10 26.4	1.668	2.639	4.3	19.2
1 22	7 14.51	+11 23.4	1.673	2.632	6.1	19.3
2 1	7 7.46	+12 27.4	1.706	2.625	9.6	19.5
2 11	7 2.39	+13 33.8	1.763	2.619	13.1	19.7

238870 2005 XA_{37} 1 10.5 326.°49 1.°5/10.1 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 50.55	+23 55.6	1.233	2.053	19.8	20.2
12 13	7 48.44	+24 9.2	1.147	2.037	15.8	19.9
12 23	7 42.49	+24 29.4	1.079	2.022	10.9	19.6
1 2	7 33.26	+24 51.9	1.034	2.008	5.3	19.2
1 12	7 22.15	+25 10.9	1.013	1.995	1.9	19.0
1 22	7 11.02	+25 21.8	1.016	1.983	7.6	19.3
2 1	7 1.84	+25 22.6	1.044	1.971	13.3	19.5
2 11	6 56.12	+25 14.5	1.092	1.961	18.4	19.8

19076 5002 $T\text{-}3$ 1 10.5 256.°43 1.°1/10.0 18 R

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 51.44	+22 22.0	2.010	2.792	14.6	19.0
12 13	7 47.42	+22 58.8	1.919	2.788	11.5	18.7
12 23	7 40.81	+23 42.2	1.850	2.784	7.8	18.5
1 2	7 32.15	+24 28.4	1.808	2.780	3.7	18.3
1 12	7 22.39	+25 12.8	1.794	2.776	1.4	18.1
1 22	7 12.65	+25 51.5	1.810	2.772	5.3	18.3
2 1	7 4.13	+26 22.1	1.855	2.768	9.4	18.6
2 11	6 57.78	+26 43.8	1.924	2.764	12.9	18.8

315651 2008 DH_{46} 1 10.5 10.°88 2.°1/ 9.8 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 51.91	+24 24.2	1.560	2.360	17.2	21.0
12 13	7 48.50	+25 3.3	1.482	2.361	13.6	20.8
12 23	7 41.90	+25 48.6	1.425	2.363	9.2	20.6
1 2	7 32.75	+26 34.8	1.392	2.364	4.6	20.3
1 12	7 22.28	+27 16.0	1.386	2.367	2.4	20.1
1 22	7 11.99	+27 47.2	1.408	2.369	6.6	20.4
2 1	7 3.36	+28 6.5	1.456	2.372	11.2	20.7
2 11	6 57.53	+28 14.3	1.527	2.376	15.2	20.9

409489 2005 SS_{112} 1 10.5 75.°49 1.°6/10.1 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 57.70	+26 17.1	1.843	2.623	15.8	20.9
12 13	7 52.08	+26 22.7	1.781	2.648	12.3	20.7
12 23	7 43.70	+26 29.0	1.741	2.673	8.3	20.5
1 2	7 33.34	+26 32.4	1.727	2.699	4.0	20.3
1 12	7 22.21	+26 29.7	1.743	2.724	1.8	20.2
1 22	7 11.62	+26 19.5	1.788	2.748	5.5	20.5
2 1	7 2.73	+26 2.3	1.861	2.773	9.4	20.8
2 11	6 56.37	+25 40.1	1.959	2.797	12.8	21.0

351219 2004 OR_{9} 1 10.5 202.°06 0.°6/10.8 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 55.76	+14 27.4	1.779	2.544	16.8	20.9
12 13	7 51.19	+15 40.3	1.683	2.542	13.4	20.6
12 23	7 43.65	+17 11.3	1.610	2.538	9.2	20.4
1 2	7 33.62	+18 56.3	1.564	2.534	4.5	20.1
1 12	7 22.11	+20 48.1	1.547	2.530	0.9	19.8
1 22	7 10.46	+22 38.3	1.561	2.525	5.8	20.1
2 1	7 0.07	+24 19.6	1.605	2.520	10.5	20.4
2 11	6 52.16	+25 47.7	1.675	2.514	14.5	20.6

244551 2002 VJ_{45} 1 10.5 16.°15 3.°7/ 8.9 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 49.36	+27 15.7	1.745	2.546	15.7	19.5
12 13	7 46.25	+28 28.6	1.673	2.551	12.3	19.3
12 23	7 40.24	+29 46.1	1.622	2.558	8.5	19.1
1 2	7 31.93	+31 1.5	1.597	2.565	4.9	18.9
1 12	7 22.44	+32 7.5	1.600	2.573	4.0	18.8
1 22	7 13.10	+32 58.7	1.631	2.582	7.0	19.0
2 1	7 5.24	+33 32.8	1.688	2.591	10.8	19.3
2 11	6 59.91	+33 50.8	1.768	2.602	14.1	19.5

256977 2008 ES_{119} 1 10.5 57.°17 2.°4/ 9.8 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 53.82	+26 15.6	1.734	2.525	16.1	20.6
12 13	7 49.63	+26 46.1	1.656	2.530	12.7	20.4
12 23	7 42.45	+27 19.7	1.600	2.536	8.7	20.1
1 2	7 32.95	+27 51.3	1.570	2.541	4.4	19.9
1 12	7 22.30	+28 16.1	1.567	2.547	2.6	19.8
1 22	7 11.89	+28 30.5	1.593	2.552	6.3	20.0
2 1	7 3.07	+28 33.8	1.646	2.558	10.4	20.3
2 11	6 56.89	+28 27.2	1.722	2.564	14.1	20.5

295202 2008 FR_{116} 1 10.5 290.°31 0.°1/10.5 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 51.62	+20 39.7	1.795	2.582	15.9	21.1
12 13	7 47.94	+20 48.1	1.695	2.567	12.6	20.8
12 23	7 41.40	+21 3.4	1.617	2.552	8.7	20.6
1 2	7 32.54	+21 23.1	1.564	2.537	4.1	20.3
1 12	7 22.35	+21 44.0	1.539	2.522	0.7	20.0
1 22	7 12.12	+22 2.9	1.543	2.508	5.6	20.3
2 1	7 3.19	+22 17.8	1.573	2.493	10.2	20.5
2 11	6 56.66	+22 27.9	1.628	2.479	14.3	20.7

455270 2001 WK_{96} 1 10.5 108.°00 4.°2/ 8.8 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 55.06	+30 32.2	1.954	2.737	14.9	21.7
12 13	7 50.43	+31 33.2	1.878	2.745	11.8	21.5
12 23	7 42.92	+32 34.9	1.825	2.753	8.3	21.3
1 2	7 33.16	+33 30.9	1.798	2.761	5.2	21.1
1 12	7 22.26	+34 14.7	1.801	2.769	4.4	21.1
1 22	7 11.54	+34 42.5	1.831	2.776	7.0	21.3
2 1	7 2.33	+34 53.5	1.890	2.783	10.4	21.5
2 11	6 55.63	+34 49.8	1.972	2.791	13.5	21.7

296509 2009 KN_{9} 1 10.5 156.°02 1.°2/10.9 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 53.32	+17 13.7	2.160	2.924	14.2	21.9
12 13	7 48.47	+17 21.9	2.073	2.930	11.3	21.7
12 23	7 41.27	+17 37.8	2.009	2.936	7.8	21.5
1 2	7 32.29	+17 59.8	1.972	2.941	3.9	21.3
1 12	7 22.43	+18 25.3	1.965	2.946	1.3	21.1
1 22	7 12.70	+18 51.7	1.987	2.951	4.7	21.3
2 1	7 4.14	+19 16.9	2.039	2.955	8.5	21.6
2 11	6 57.57	+19 39.6	2.117	2.958	11.8	21.8

287622 2003 HO_{16} 1 10.5 250.°70 3.°8/11.3 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 53.60	+13 40.3	1.641	2.415	17.6	20.9
12 13	7 49.53	+13 9.2	1.549	2.408	14.3	20.7
12 23	7 42.49	+12 48.4	1.478	2.401	10.3	20.4
1 2	7 33.05	+12 38.8	1.430	2.393	6.1	20.1
1 12	7 22.30	+12 40.1	1.410	2.385	3.8	20.0
1 22	7 11.60	+12 50.6	1.417	2.378	6.7	20.1
2 1	7 2.32	+13 8.2	1.451	2.369	11.1	20.4
2 11	6 55.60	+13 30.2	1.509	2.361	15.1	20.6

8255 Masiero 1 10.5 126.°40 0.°1/10.5 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 52.82	+21 0.3	1.976	2.754	14.9	18.5
12 13	7 48.36	+21 6.9	1.892	2.758	11.7	18.3
12 23	7 41.35	+21 18.9	1.829	2.762	8.0	18.1
1 2	7 32.38	+21 33.9	1.793	2.766	3.8	17.8
1 12	7 22.45	+21 48.9	1.786	2.769	0.7	17.6
1 22	7 12.69	+22 1.7	1.808	2.773	5.0	17.9
2 1	7 4.24	+22 10.8	1.859	2.776	9.1	18.2
2 11	6 57.98	+22 15.9	1.935	2.779	12.6	18.4

14721 2000 CW_{91} 1 10.5 84.°57 6.°2/13.2 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 51.80	+ 3 48.5	1.817	2.554	17.5	17.7
12 13	7 47.47	+ 3 39.6	1.747	2.572	14.5	17.5
12 23	7 40.67	+ 3 49.9	1.696	2.591	11.2	17.3
1 2	7 32.02	+ 4 20.7	1.670	2.609	8.0	17.2
1 12	7 22.52	+ 5 10.6	1.671	2.628	6.2	17.1
1 22	7 13.28	+ 6 15.9	1.699	2.646	7.3	17.2
2 1	7 5.37	+ 7 31.1	1.756	2.664	10.2	17.4
2 11	6 59.62	+ 8 50.2	1.837	2.681	13.2	17.6

522501 2016 EV_{232} 1 10.5 134.°91 1.°1/10.0 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 51.38	+24 47.5	2.626	3.395	11.9	22.2
12 13	7 46.60	+25 6.4	2.542	3.404	9.3	22.0
12 23	7 39.82	+25 27.3	2.481	3.412	6.3	21.8
1 2	7 31.57	+25 47.6	2.449	3.420	3.0	21.6
1 12	7 22.61	+26 4.5	2.447	3.428	1.3	21.5
1 22	7 13.81	+26 16.1	2.475	3.435	4.3	21.7
2 1	7 6.01	+26 21.6	2.534	3.442	7.4	21.9
2 11	6 59.91	+26 21.4	2.619	3.449	10.2	22.1

259151 2002 XZ_{102} 1 10.5 66.°46 3.°6/ 9.0 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 54.21	+26 39.2	1.685	2.478	16.5	20.5
12 13	7 50.12	+27 53.3	1.615	2.490	12.9	20.3
12 23	7 42.90	+29 12.6	1.567	2.501	8.9	20.1
1 2	7 33.23	+30 29.8	1.544	2.512	5.0	19.9
1 12	7 22.30	+31 37.0	1.550	2.524	3.9	19.8
1 22	7 11.57	+32 28.5	1.584	2.536	7.1	20.0
2 1	7 2.50	+33 2.3	1.645	2.547	11.1	20.3
2 11	6 56.16	+33 19.7	1.729	2.559	14.6	20.5

464747 2003 SL_{23} 1 10.5 99.°72 0.°6/10.7 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 53.46	+19 53.4	2.375	3.138	13.1	21.5
12 13	7 48.18	+19 50.2	2.302	3.160	10.3	21.4
12 23	7 40.84	+19 51.4	2.253	3.181	7.0	21.2
1 2	7 32.01	+19 55.3	2.231	3.202	3.3	21.0
1 12	7 22.55	+20 0.3	2.240	3.222	0.8	20.8
1 22	7 13.38	+20 4.7	2.279	3.242	4.2	21.1
2 1	7 5.38	+20 7.8	2.348	3.262	7.6	21.4
2 11	6 59.21	+20 9.2	2.444	3.281	10.6	21.6

381662 2009 BJ_9 1 10.5 3.°05 3.°5/12.3 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 47.54	+ 8 35.0	2.149	2.900	14.7	20.2
12 13	7 44.02	+ 8 58.0	2.058	2.900	12.0	20.0
12 23	7 38.34	+ 9 36.4	1.988	2.900	8.8	19.8
1 2	7 30.97	+10 29.7	1.944	2.901	5.5	19.6
1 12	7 22.72	+11 35.3	1.929	2.901	3.5	19.5
1 22	7 14.50	+12 49.3	1.943	2.902	5.3	19.6
2 1	7 7.26	+14 7.0	1.986	2.903	8.6	19.8
2 11	7 1.82	+15 23.8	2.056	2.905	11.8	20.0

297429 2000 SH_{94} 1 10.5 108.°92 1.°3/10.8 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 57.45	+18 19.0	1.792	2.563	16.5	21.6
12 13	7 51.96	+18 13.4	1.722	2.583	13.0	21.4
12 23	7 43.73	+18 15.1	1.673	2.602	8.9	21.2
1 2	7 33.46	+18 22.2	1.651	2.621	4.4	21.0
1 12	7 22.30	+18 32.4	1.657	2.639	1.4	20.8
1 22	7 11.53	+18 43.3	1.693	2.657	5.4	21.1
2 1	7 2.34	+18 53.5	1.757	2.674	9.6	21.4
2 11	6 55.63	+19 2.1	1.846	2.690	13.2	21.6

462928 2011 BL_{29} 1 10.5 63.°57 4.°5/ 9.6 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 58.05	+34 22.8	1.947	2.726	15.1	20.9
12 13	7 52.76	+34 39.3	1.866	2.728	12.1	20.7
12 23	7 44.46	+34 50.9	1.806	2.730	8.7	20.5
1 2	7 33.87	+34 51.9	1.772	2.732	5.6	20.3
1 12	7 22.22	+34 38.1	1.766	2.734	4.6	20.2
1 22	7 10.93	+34 8.1	1.790	2.736	7.0	20.4
2 1	7 1.34	+33 23.7	1.840	2.738	10.4	20.6
2 11	6 54.44	+32 29.2	1.916	2.740	13.6	20.8

73425 2002 LJ_{41} 1 10.5 208.°51 3.°9/11.8 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 52.20	+10 38.1	1.932	2.688	16.0	19.9
12 13	7 47.95	+10 30.0	1.838	2.684	13.0	19.7
12 23	7 41.15	+10 34.8	1.765	2.680	9.5	19.5
1 2	7 32.36	+10 53.1	1.718	2.676	5.9	19.3
1 12	7 22.47	+11 23.5	1.698	2.671	3.9	19.1
1 22	7 12.62	+12 3.4	1.708	2.666	6.0	19.3
2 1	7 3.93	+12 49.3	1.746	2.660	9.7	19.5
2 11	6 57.36	+13 37.5	1.809	2.655	13.3	19.7

427673 2004 BG_{142} 1 10.5 286.°11 2.°4/11.6 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 48.03	+12 27.1	2.298	3.056	13.6	21.4
12 13	7 44.34	+12 42.5	2.198	3.048	11.0	21.2
12 23	7 38.53	+13 9.2	2.120	3.040	7.8	21.0
1 2	7 31.08	+13 46.6	2.069	3.032	4.5	20.8
1 12	7 22.71	+14 32.6	2.047	3.025	2.4	20.6
1 22	7 14.33	+15 23.9	2.055	3.017	4.8	20.8
2 1	7 6.86	+16 17.3	2.092	3.009	8.2	21.0
2 11	7 1.11	+17 9.8	2.155	3.001	11.4	21.2

287714 2003 QC_{90} 1 10.5 204.°83 0.°9/10.8 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 50.58	+18 19.7	2.133	2.906	14.1	21.8
12 13	7 46.45	+18 28.1	2.043	2.905	11.2	21.6
12 23	7 40.01	+18 43.6	1.975	2.905	7.7	21.3
1 2	7 31.77	+19 4.7	1.933	2.904	3.8	21.1
1 12	7 22.60	+19 28.6	1.921	2.903	1.0	20.9
1 22	7 13.53	+19 52.9	1.938	2.903	4.7	21.2
2 1	7 5.57	+20 15.5	1.984	2.902	8.6	21.4
2 11	6 59.57	+20 35.1	2.056	2.901	12.0	21.6

255833 2006 SK_{95} 1 10.5 85.°89 1.°7/ 9.9 17

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 57.32	+24 48.8	1.838	2.617	15.8	22.2
12 13	7 51.89	+25 17.9	1.776	2.643	12.3	22.0
12 23	7 43.68	+25 50.2	1.736	2.669	8.3	21.8
1 2	7 33.43	+26 21.1	1.723	2.694	4.0	21.6
1 12	7 22.34	+26 46.0	1.739	2.719	1.9	21.5
1 22	7 11.69	+27 2.3	1.784	2.744	5.6	21.8
2 1	7 2.70	+27 9.1	1.857	2.768	9.5	22.1
2 11	6 56.22	+27 7.8	1.955	2.791	12.9	22.3

297891 2002 CD_{179} 1 10.5 238.°85 0.°9/10.2 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 55.17	+22 41.3	1.841	2.622	15.7	21.4
12 13	7 50.72	+23 4.5	1.742	2.611	12.5	21.1
12 23	7 43.31	+23 33.8	1.666	2.599	8.5	20.9
1 2	7 33.49	+24 5.6	1.615	2.587	4.1	20.6
1 12	7 22.29	+24 35.4	1.592	2.575	1.3	20.3
1 22	7 11.05	+24 59.3	1.599	2.562	5.8	20.6
2 1	7 1.16	+25 15.4	1.634	2.548	10.3	20.9
2 11	6 53.76	+25 23.7	1.693	2.534	14.3	21.1

473544 2015 XB_{192} 1 10.5 112.°86 0.°1/10.5 17

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 56.97	+19 57.6	1.804	2.578	16.3	21.9
12 13	7 51.70	+20 17.4	1.733	2.597	12.8	21.7
12 23	7 43.63	+20 44.4	1.683	2.615	8.6	21.5
1 2	7 33.46	+21 15.5	1.660	2.632	4.1	21.3
1 12	7 22.33	+21 46.6	1.666	2.649	0.7	21.0
1 22	7 11.53	+22 14.3	1.702	2.666	5.3	21.4
2 1	7 2.30	+22 36.6	1.766	2.681	9.6	21.7
2 11	6 55.55	+22 53.2	1.855	2.697	13.2	22.0

289343 2005 BE_5 1 10.5 61.°42 2.°3/ 9.9 17

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 56.72	+24 57.4	1.404	2.204	18.8	20.6
12 13	7 52.30	+25 35.3	1.347	2.226	14.7	20.4
12 23	7 44.41	+26 18.0	1.310	2.247	10.0	20.2
1 2	7 33.90	+26 59.3	1.297	2.269	4.9	20.0
1 12	7 22.27	+27 32.9	1.311	2.291	2.6	19.9
1 22	7 11.19	+27 54.6	1.352	2.314	6.9	20.2
2 1	7 2.21	+28 3.5	1.420	2.336	11.4	20.5
2 11	6 56.35	+28 1.7	1.510	2.358	15.4	20.8

233796 2008 UU_{61} 1 10.5 331.°85 1.°8/ 9.9 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 51.53	+26 3.6	2.114	2.896	13.9	20.9
12 13	7 47.37	+26 23.6	2.025	2.894	10.9	20.7
12 23	7 40.71	+26 45.6	1.959	2.892	7.5	20.5
1 2	7 32.13	+27 6.2	1.919	2.890	3.7	20.3
1 12	7 22.57	+27 21.8	1.908	2.888	2.0	20.1
1 22	7 13.14	+27 29.8	1.927	2.887	5.3	20.4
2 1	7 4.94	+27 29.6	1.974	2.885	9.0	20.6
2 11	6 58.87	+27 21.8	2.046	2.883	12.3	20.8

121137 1999 JV_{32} 1 10.5 257.°20 1.°1/10.1 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 54.67	+22 40.1	1.753	2.538	16.2	20.2
12 13	7 50.56	+23 8.1	1.652	2.523	12.9	20.0
12 23	7 43.36	+23 43.1	1.573	2.508	8.8	19.7
1 2	7 33.58	+24 21.3	1.520	2.492	4.2	19.4
1 12	7 22.29	+24 57.8	1.494	2.476	1.5	19.1
1 22	7 10.89	+25 27.9	1.497	2.460	6.1	19.4
2 1	7 0.86	+25 49.2	1.528	2.443	10.8	19.6
2 11	6 53.43	+26 1.5	1.582	2.426	15.0	19.9

110187 2001 SE_{178} 1 10.5 128.°03 1.°1/10.9 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 49.42	+17 3.5	2.739	3.497	11.7	20.5
12 13	7 44.91	+17 13.0	2.654	3.507	9.2	20.4
12 23	7 38.62	+17 28.6	2.593	3.518	6.3	20.2
1 2	7 31.02	+17 48.9	2.559	3.528	3.2	20.0
1 12	7 22.79	+18 12.2	2.556	3.538	1.1	19.8
1 22	7 14.69	+18 36.4	2.584	3.548	3.8	20.1
2 1	7 7.46	+19 0.0	2.643	3.557	6.9	20.3
2 11	7 1.74	+19 21.7	2.728	3.566	9.6	20.5

228026 2008 FF_{94} 1 10.5 132.°42 1.°6/ 9.9 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 57.67	+22 41.1	1.523	2.313	18.1	21.1
12 13	7 53.05	+23 26.0	1.448	2.322	14.2	20.8
12 23	7 45.03	+24 19.1	1.395	2.330	9.7	20.6
1 2	7 34.31	+25 14.8	1.366	2.338	4.6	20.3
1 12	7 22.19	+26 6.1	1.364	2.346	2.0	20.2
1 22	7 10.32	+26 47.6	1.391	2.353	6.6	20.5
2 1	7 0.28	+27 16.7	1.445	2.360	11.4	20.8
2 11	6 53.24	+27 33.9	1.522	2.366	15.5	21.0

207844 2007 UP_{88} 1 10.5 278.°22 0.°5/10.7 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 49.29	+19 42.3	2.377	3.149	12.9	21.2
12 13	7 45.29	+19 49.4	2.277	3.140	10.2	21.0
12 23	7 39.16	+20 2.0	2.200	3.131	7.0	20.8
1 2	7 31.38	+20 18.4	2.150	3.122	3.4	20.6
1 12	7 22.72	+20 36.4	2.130	3.113	0.7	20.3
1 22	7 14.08	+20 53.9	2.140	3.104	4.4	20.6
2 1	7 6.41	+21 9.3	2.179	3.095	8.0	20.8
2 11	7 0.48	+21 21.7	2.243	3.086	11.2	21.0

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
327954	2007 ES_{104}		1 10.5	152.°53	2.°1/ 9.8	18
	h m	° ′			°	m
12 3	7 53.62	+26 37.1	2.114	2.893	14.0	21.7
12 13	7 48.98	+27 4.1	2.028	2.896	11.0	21.5
12 23	7 41.79	+27 33.0	1.966	2.898	7.5	21.3
1 2	7 32.63	+27 59.9	1.931	2.901	3.9	21.1
1 12	7 22.50	+28 20.6	1.924	2.903	2.3	21.0
1 22	7 12.53	+28 32.6	1.948	2.905	5.5	21.2
2 1	7 3.85	+28 35.0	1.999	2.907	9.1	21.4
2 11	6 57.35	+28 28.8	2.076	2.909	12.4	21.6
18213	4607 *P–L*		1 10.5	277.°52	3.°1/ 9.5	18
12 3	7 53.55	+28 32.8	1.949	2.735	14.8	18.4
12 13	7 49.40	+29 7.5	1.853	2.723	11.8	18.1
12 23	7 42.39	+29 44.0	1.778	2.711	8.2	17.9
1 2	7 33.04	+30 17.2	1.730	2.698	4.6	17.6
1 12	7 22.41	+30 42.0	1.711	2.686	3.3	17.5
1 22	7 11.79	+30 54.7	1.719	2.674	6.4	17.7
2 1	7 2.51	+30 54.4	1.756	2.661	10.3	17.9
2 11	6 55.66	+30 42.7	1.816	2.649	13.9	18.1
408672	2014 MN_{37}		1 10.5	210.°08	0.°2/10.4	18
12 3	7 54.83	+20 18.2	1.979	2.752	15.1	21.8
12 13	7 50.14	+20 44.8	1.883	2.746	11.9	21.6
12 23	7 42.74	+21 19.1	1.809	2.740	8.1	21.3
1 2	7 33.17	+21 57.9	1.761	2.733	3.9	21.1
1 12	7 22.39	+22 37.3	1.743	2.726	0.7	20.8
1 22	7 11.61	+23 13.3	1.755	2.718	5.3	21.1
2 1	7 2.06	+23 43.3	1.796	2.710	9.5	21.4
2 11	6 54.78	+24 6.5	1.862	2.701	13.3	21.6
206347	2003 QL_1		1 10.5	180.°15	0.°9/10.2	18
12 3	7 57.07	+23 52.0	2.107	2.877	14.4	21.5
12 13	7 51.62	+24 3.6	2.017	2.878	11.3	21.3
12 23	7 43.55	+24 18.4	1.949	2.880	7.7	21.1
1 2	7 33.47	+24 33.0	1.908	2.880	3.7	20.8
1 12	7 22.36	+24 44.1	1.897	2.879	1.2	20.7
1 22	7 11.40	+24 49.6	1.917	2.878	5.1	20.9
2 1	7 1.76	+24 48.5	1.966	2.877	9.1	21.2
2 11	6 54.35	+24 41.8	2.040	2.874	12.5	21.4
320827	2008 FU_{39}		1 10.5	188.°40	0.°2/10.4	18
12 3	7 52.54	+20 52.5	1.977	2.756	14.9	21.5
12 13	7 48.25	+21 12.3	1.888	2.755	11.7	21.3
12 23	7 41.38	+21 38.6	1.822	2.755	8.0	21.1
1 2	7 32.48	+22 8.5	1.782	2.754	3.8	20.8
1 12	7 22.53	+22 38.4	1.771	2.754	0.7	20.6
1 22	7 12.67	+23 5.2	1.789	2.753	5.1	20.9
2 1	7 4.08	+23 26.7	1.836	2.752	9.2	21.1
2 11	6 57.68	+23 42.3	1.907	2.751	12.8	21.4
113829	2002 TN_{226}		1 10.5	50.°46	7.°4/ 7.1	18
12 3	7 55.61	+39 1.2	2.010	2.788	14.7	19.2
12 13	7 51.19	+40 39.8	1.950	2.803	12.1	19.0
12 23	7 43.64	+42 13.2	1.913	2.818	9.5	18.9
1 2	7 33.61	+43 32.4	1.901	2.834	7.7	18.8
1 12	7 22.32	+44 30.0	1.918	2.850	7.7	18.8
1 22	7 11.25	+45 2.2	1.961	2.866	9.3	19.0
2 1	7 1.85	+45 9.2	2.030	2.882	11.7	19.1
2 11	6 55.20	+44 55.5	2.121	2.899	14.1	19.3
82081	2001 BC_{40}		1 10.5	227.°50	5.°4/10.3	18
12 3	8 9.60	+35 2.5	1.297	2.086	20.7	19.5
12 13	8 3.58	+34 57.0	1.213	2.081	16.8	19.2
12 23	7 52.78	+34 42.4	1.147	2.075	12.2	18.9
1 2	7 38.11	+34 9.5	1.105	2.068	7.4	18.6
1 12	7 21.54	+33 11.7	1.089	2.062	5.5	18.5
1 22	7 5.57	+31 48.9	1.100	2.055	9.1	18.7
2 1	6 52.50	+30 8.4	1.137	2.047	14.2	18.9
2 11	6 43.78	+28 20.8	1.197	2.039	18.9	19.2
277809	2006 FP_{33}		1 10.5	142.°26	4.°6/ 8.6	18
12 3	7 54.61	+34 49.9	2.435	3.206	12.6	21.0
12 13	7 49.62	+35 41.1	2.355	3.211	10.1	20.8
12 23	7 42.16	+36 29.4	2.299	3.217	7.5	20.7
1 2	7 32.81	+37 9.4	2.269	3.222	5.2	20.6
1 12	7 22.51	+37 36.4	2.269	3.226	4.8	20.5
1 22	7 12.37	+37 47.7	2.299	3.231	6.6	20.7
2 1	7 3.49	+37 43.3	2.356	3.235	9.2	20.8
2 11	6 56.73	+37 25.7	2.438	3.239	11.8	21.0
169232	2001 SB_{24}		1 10.5	40.°74	4.°2/12.2	18
12 3	7 47.83	+ 8 54.7	2.182	2.933	14.5	19.9
12 13	7 44.11	+ 8 38.7	2.099	2.939	11.8	19.8
12 23	7 38.32	+ 8 34.9	2.037	2.946	8.8	19.6
1 2	7 30.96	+ 8 44.0	2.001	2.952	5.8	19.4
1 12	7 22.84	+ 9 5.4	1.993	2.959	4.2	19.3
1 22	7 14.85	+ 9 37.0	2.013	2.967	5.7	19.4
2 1	7 7.88	+10 16.0	2.062	2.974	8.6	19.6
2 11	7 2.67	+10 59.0	2.136	2.981	11.6	19.8

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
427084	2014 UE_{43}		1 10.5	84.°84	0.°4/10.6	18
	h m	° ′			°	m
12 3	7 53.28	+20 56.5	1.879	2.659	15.5	21.0
12 13	7 48.86	+20 52.3	1.795	2.663	12.2	20.8
12 23	7 41.78	+20 53.2	1.734	2.667	8.3	20.6
1 2	7 32.66	+20 57.0	1.698	2.671	4.0	20.3
1 12	7 22.55	+21 1.3	1.691	2.674	0.7	20.1
1 22	7 12.65	+21 4.3	1.713	2.678	5.2	20.4
2 1	7 4.14	+21 4.8	1.764	2.682	9.4	20.7
2 11	6 57.94	+21 2.7	1.838	2.686	13.1	20.9
157101	2004 JL_{14}		1 10.5	285.°50	1.°1/10.1	18
12 3	7 53.58	+20 27.1	1.436	2.234	18.6	20.2
12 13	7 50.23	+21 17.5	1.352	2.230	14.7	19.9
12 23	7 43.41	+22 20.7	1.287	2.225	10.0	19.6
1 2	7 33.70	+23 31.4	1.247	2.221	4.8	19.3
1 12	7 22.34	+24 42.4	1.234	2.217	1.5	19.1
1 22	7 10.97	+25 46.3	1.248	2.212	6.8	19.4
2 1	7 1.29	+26 38.2	1.288	2.208	12.0	19.7
2 11	6 54.65	+27 16.8	1.351	2.204	16.5	20.0
178383	1997 PD_4		1 10.5	153.°26	1.°1/10.2	18
12 3	7 56.27	+24 48.5	2.237	3.006	13.7	20.8
12 13	7 50.76	+24 56.6	2.152	3.014	10.7	20.6
12 23	7 42.83	+25 6.5	2.090	3.021	7.3	20.4
1 2	7 33.09	+25 15.2	2.056	3.028	3.5	20.2
1 12	7 22.49	+25 19.9	2.052	3.034	1.3	20.1
1 22	7 12.11	+25 18.8	2.079	3.040	4.8	20.3
2 1	7 3.01	+25 11.6	2.135	3.045	8.5	20.5
2 11	6 56.02	+24 59.2	2.217	3.049	11.7	20.8
361571	2007 RP_{98}		1 10.5	32.°60	5.°4/ 8.9	18
12 3	7 54.78	+30 42.7	1.391	2.198	18.6	20.6
12 13	7 51.36	+31 47.7	1.324	2.205	14.8	20.4
12 23	7 44.18	+32 54.0	1.278	2.213	10.5	20.1
1 2	7 34.00	+33 52.7	1.256	2.220	6.6	19.9
1 12	7 22.32	+34 35.0	1.260	2.229	5.7	19.9
1 22	7 10.99	+34 55.9	1.289	2.238	8.8	20.1
2 1	7 1.78	+34 55.2	1.343	2.247	12.9	20.4
2 11	6 55.94	+34 37.0	1.419	2.257	16.7	20.6
250168	2002 TF_{102}		1 10.5	136.°66	3.°0/11.6	18
12 3	7 54.23	+12 37.6	2.243	2.990	14.3	21.6
12 13	7 48.97	+12 23.7	2.161	3.004	11.5	21.5
12 23	7 41.52	+12 19.1	2.102	3.018	8.2	21.3
1 2	7 32.45	+12 23.6	2.071	3.031	4.9	21.1
1 12	7 22.62	+12 36.2	2.068	3.043	3.0	21.0
1 22	7 13.00	+12 55.1	2.097	3.054	5.1	21.2
2 1	7 4.52	+13 18.1	2.154	3.065	8.4	21.4
2 11	6 57.93	+13 43.2	2.238	3.075	11.4	21.6
460559	2014 TE_{68}		1 10.5	150.°12	11.°1/ 5.3	18
12 3	8 3.08	+48 54.4	1.955	2.706	16.0	20.6
12 13	7 58.23	+50 50.7	1.890	2.707	13.9	20.4
12 23	7 49.17	+52 36.1	1.846	2.708	12.2	20.3
1 2	7 36.53	+53 58.9	1.826	2.708	11.2	20.3
1 12	7 21.85	+54 49.4	1.831	2.709	11.4	20.3
1 22	7 7.28	+55 3.2	1.860	2.709	12.7	20.4
2 1	6 54.96	+54 42.4	1.912	2.710	14.6	20.5
2 11	6 46.47	+53 54.5	1.983	2.710	16.5	20.6
308669	2006 BP_{276}		1 10.5	226.°83	0.°3/10.4	18
12 3	7 55.63	+21 35.5	1.878	2.655	15.6	21.6
12 13	7 50.97	+21 47.7	1.781	2.647	12.4	21.4
12 23	7 43.43	+22 5.8	1.705	2.637	8.5	21.1
1 2	7 33.58	+22 26.9	1.655	2.627	4.0	20.9
1 12	7 22.44	+22 47.3	1.634	2.617	0.8	20.6
1 22	7 11.30	+23 3.9	1.642	2.606	5.5	20.9
2 1	7 1.49	+23 15.1	1.679	2.595	10.0	21.1
2 11	6 54.10	+23 20.7	1.740	2.583	13.9	21.4
101144	1998 RT_{69}		1 10.5	98.°49	4.°1/ 9.3	18
12 3	7 59.03	+31 15.2	1.871	2.650	15.6	19.8
12 13	7 53.48	+31 57.7	1.805	2.669	12.3	19.7
12 23	7 44.93	+32 38.7	1.762	2.689	8.7	19.5
1 2	7 34.14	+33 11.9	1.745	2.708	5.2	19.3
1 12	7 22.37	+33 31.9	1.757	2.726	4.3	19.3
1 22	7 11.02	+33 36.0	1.797	2.745	6.9	19.5
2 1	7 1.43	+33 25.0	1.866	2.762	10.3	19.7
2 11	6 54.54	+33 2.1	1.958	2.780	13.4	20.0
354584	2004 VP_{52}		1 10.5	105.°46	3.°5/11.6	18
12 3	7 55.86	+12 51.2	1.740	2.502	17.2	21.4
12 13	7 50.81	+12 34.2	1.669	2.521	13.8	21.2
12 23	7 43.04	+12 28.9	1.619	2.539	9.9	21.0
1 2	7 33.25	+12 35.3	1.595	2.557	5.8	20.8
1 12	7 22.54	+12 51.7	1.598	2.574	3.5	20.7
1 22	7 12.16	+13 15.6	1.631	2.591	6.0	20.9
2 1	7 3.32	+13 44.1	1.691	2.607	9.9	21.2
2 11	6 56.89	+14 14.4	1.776	2.623	13.5	21.4

237363 1993 HV_4 1 10.5 330.°02 3.°8/ 8.9 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 51.45	+30 56.4	2.271	3.053	13.1	20.6
12 13	7 47.35	+31 47.2	2.184	3.050	10.4	20.4
12 23	7 40.76	+32 38.3	2.120	3.048	7.4	20.2
1 2	7 32.24	+33 24.5	2.083	3.045	4.6	20.0
1 12	7 22.70	+34 0.8	2.075	3.043	4.0	20.0
1 22	7 13.22	+34 24.0	2.097	3.041	6.3	20.1
2 1	7 4.92	+34 33.1	2.146	3.039	9.3	20.3
2 11	6 58.71	+34 29.5	2.219	3.038	12.2	20.5

228722 2002 TZ_{37} 1 10.5 81.°92 3.°3/ 9.6 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 59.60	+26 36.2	1.383	2.180	19.2	20.2
12 13	7 54.77	+27 25.0	1.324	2.201	15.1	20.0
12 23	7 46.25	+28 17.7	1.285	2.221	10.3	19.7
1 2	7 34.89	+29 6.8	1.270	2.241	5.4	19.5
1 12	7 22.27	+29 44.6	1.283	2.261	3.5	19.5
1 22	7 10.21	+30 6.8	1.322	2.280	7.5	19.7
2 1	7 0.37	+30 12.9	1.388	2.299	12.0	20.0
2 11	6 53.88	+30 5.9	1.476	2.318	16.0	20.3

114219 2002 VQ_{111} 1 10.5 112.°44 1.°1/10.3 17

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 59.64	+24 18.0	1.529	2.317	18.1	20.8
12 13	7 54.42	+24 22.6	1.458	2.330	14.3	20.6
12 23	7 45.83	+24 30.7	1.407	2.342	9.7	20.3
1 2	7 34.66	+24 38.1	1.381	2.354	4.6	20.1
1 12	7 22.31	+24 40.7	1.383	2.365	1.4	19.9
1 22	7 10.40	+24 36.3	1.413	2.376	6.3	20.2
2 1	7 0.46	+24 24.7	1.470	2.387	11.0	20.5
2 11	6 53.54	+24 7.8	1.550	2.397	15.1	20.8

167044 2003 QG_{53} 1 10.5 190.°26 5.°6/ 8.8 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	8 2.20	+36 55.2	2.148	2.911	14.3	21.0
12 13	7 56.06	+37 40.8	2.060	2.910	11.7	20.8
12 23	7 46.82	+38 21.6	1.996	2.908	8.8	20.6
1 2	7 35.14	+38 50.8	1.958	2.905	6.3	20.5
1 12	7 22.22	+39 2.2	1.949	2.902	5.8	20.4
1 22	7 9.52	+38 53.2	1.969	2.898	7.8	20.5
2 1	6 58.44	+38 24.9	2.017	2.893	10.7	20.7
2 11	6 50.07	+37 41.7	2.089	2.888	13.6	20.9

243225 2007 VJ_{69} 1 10.5 21.°30 2.°1/11.6 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 48.24	+12 44.2	2.246	3.007	13.9	20.5
12 13	7 44.52	+13 10.1	2.156	3.008	11.1	20.4
12 23	7 38.69	+13 48.0	2.088	3.010	7.9	20.1
1 2	7 31.23	+14 36.5	2.047	3.012	4.4	19.9
1 12	7 22.91	+15 32.7	2.034	3.014	2.1	19.8
1 22	7 14.63	+16 32.9	2.052	3.016	4.6	20.0
2 1	7 7.33	+17 33.5	2.099	3.018	8.1	20.2
2 11	7 1.77	+18 31.2	2.173	3.020	11.3	20.4

240374 2003 ST_{245} 1 10.5 165.°29 2.°3/11.3 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 54.76	+14 17.2	2.188	2.940	14.4	21.8
12 13	7 49.58	+14 14.3	2.099	2.946	11.6	21.6
12 23	7 42.08	+14 20.5	2.032	2.952	8.2	21.4
1 2	7 32.81	+14 35.0	1.992	2.957	4.5	21.1
1 12	7 22.64	+14 56.1	1.982	2.960	2.4	21.0
1 22	7 12.60	+15 21.4	2.003	2.964	5.0	21.2
2 1	7 3.70	+15 48.7	2.053	2.966	8.6	21.4
2 11	6 56.76	+16 16.0	2.129	2.968	11.9	21.6

321721 2010 JN_{147} 1 10.5 215.°32 0.°0/10.4 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 49.21	+20 35.0	2.666	3.432	11.8	21.4
12 13	7 44.99	+20 51.2	2.569	3.429	9.2	21.2
12 23	7 38.86	+21 12.3	2.496	3.426	6.3	21.0
1 2	7 31.27	+21 36.1	2.450	3.422	3.0	20.8
1 12	7 22.92	+22 0.3	2.435	3.418	0.5	20.6
1 22	7 14.61	+22 22.8	2.451	3.414	4.0	20.9
2 1	7 7.17	+22 42.1	2.496	3.410	7.2	21.1
2 11	7 1.30	+22 57.4	2.568	3.406	10.1	21.3

170625 2003 YN_{61} 1 10.5 305.°63 0.°3/10.6 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 52.02	+19 54.0	1.654	2.444	16.9	19.9
12 13	7 48.46	+20 5.7	1.564	2.437	13.4	19.7
12 23	7 41.90	+20 25.7	1.495	2.430	9.2	19.4
1 2	7 32.92	+20 51.5	1.451	2.424	4.4	19.1
1 12	7 22.62	+21 19.3	1.434	2.418	0.8	18.8
1 22	7 12.37	+21 45.4	1.446	2.411	5.8	19.2
2 1	7 3.56	+22 7.4	1.484	2.405	10.6	19.4
2 11	6 57.33	+22 24.0	1.545	2.400	14.7	19.7

268706 2006 HD_{23} 1 10.5 147.°21 4.°1/ 8.7 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 54.01	+32 56.3	2.480	3.251	12.4	20.7
12 13	7 49.10	+33 48.5	2.399	3.257	9.9	20.5
12 23	7 41.82	+34 39.1	2.341	3.262	7.1	20.3
1 2	7 32.70	+35 23.1	2.311	3.267	4.7	20.2
1 12	7 22.67	+35 55.9	2.310	3.272	4.2	20.2
1 22	7 12.76	+36 14.5	2.339	3.277	6.2	20.3
2 1	7 4.03	+36 18.6	2.397	3.281	8.9	20.5
2 11	6 57.31	+36 10.1	2.479	3.285	11.5	20.7

193857 2001 QY_{125} 1 10.5 74.°87 1.°3/10.2 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 59.33	+22 44.2	1.414	2.207	19.1	20.8
12 13	7 54.20	+23 18.1	1.360	2.235	14.9	20.6
12 23	7 45.63	+23 58.6	1.326	2.262	10.0	20.4
1 2	7 34.53	+24 40.0	1.317	2.289	4.7	20.2
1 12	7 22.38	+25 16.4	1.334	2.316	1.7	20.1
1 22	7 10.86	+25 43.4	1.380	2.343	6.5	20.4
2 1	7 1.45	+25 59.7	1.452	2.369	11.1	20.8
2 11	6 55.17	+26 6.6	1.548	2.395	15.1	21.1

377552 2005 JV_{47} 1 10.5 268.°71 3.°8/ 8.8 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 51.94	+31 5.0	2.345	3.123	12.8	20.5
12 13	7 47.70	+31 59.0	2.254	3.118	10.2	20.3
12 23	7 41.02	+32 53.4	2.187	3.113	7.3	20.1
1 2	7 32.39	+33 43.1	2.146	3.108	4.6	19.9
1 12	7 22.72	+34 23.0	2.136	3.102	4.0	19.9
1 22	7 13.07	+34 49.8	2.154	3.097	6.2	20.0
2 1	7 4.55	+35 2.2	2.201	3.092	9.2	20.2
2 11	6 58.06	+35 1.5	2.272	3.087	12.1	20.4

134878 2000 QS_{195} 1 10.5 112.°01 3.°6/12.0 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 50.78	+10 4.1	2.036	2.790	15.3	20.3
12 13	7 46.62	+10 6.0	1.953	2.797	12.4	20.1
12 23	7 40.16	+10 21.4	1.891	2.805	9.1	19.9
1 2	7 31.93	+10 49.9	1.855	2.813	5.6	19.7
1 12	7 22.82	+11 29.8	1.847	2.820	3.6	19.6
1 22	7 13.83	+12 18.1	1.869	2.827	5.6	19.8
2 1	7 5.99	+13 10.8	1.919	2.834	9.0	20.0
2 11	7 0.11	+14 4.5	1.994	2.841	12.2	20.2

75911 2000 CJ_{54} 1 10.5 357.°46 1.°9/11.0 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 47.85	+17 23.3	1.281	2.093	19.7	19.1
12 13	7 45.83	+17 18.1	1.204	2.088	15.7	18.9
12 23	7 40.44	+17 24.7	1.147	2.085	10.9	18.6
1 2	7 32.31	+17 41.8	1.111	2.083	5.6	18.3
1 12	7 22.74	+18 6.6	1.101	2.083	1.9	18.0
1 22	7 13.33	+18 34.9	1.115	2.083	6.7	18.3
2 1	7 5.70	+19 3.2	1.154	2.085	11.9	18.6
2 11	7 1.07	+19 28.8	1.215	2.088	16.6	18.9

79117 Brydonejack 1 10.5 131.°68 1.°9/11.1 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 58.07	+15 49.7	1.876	2.636	16.2	20.3
12 13	7 52.44	+15 51.2	1.800	2.654	12.9	20.2
12 23	7 44.12	+16 2.2	1.746	2.670	9.0	19.9
1 2	7 33.78	+16 21.0	1.719	2.686	4.7	19.7
1 12	7 22.51	+16 45.1	1.721	2.701	2.0	19.6
1 22	7 11.53	+17 11.5	1.752	2.715	5.4	19.8
2 1	7 2.02	+17 37.8	1.813	2.728	9.4	20.1
2 11	6 54.88	+18 2.4	1.899	2.741	13.0	20.3

179088 2001 SE_{161} 1 10.5 123.°84 2.°5/ 9.7 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 57.37	+28 21.3	2.343	3.110	13.2	21.3
12 13	7 51.53	+28 51.8	2.269	3.129	10.3	21.1
12 23	7 43.31	+29 22.3	2.220	3.147	7.1	20.9
1 2	7 33.34	+29 48.7	2.198	3.165	3.8	20.8
1 12	7 22.59	+30 7.2	2.206	3.182	2.6	20.7
1 22	7 12.13	+30 15.6	2.246	3.199	5.2	20.9
2 1	7 2.99	+30 13.7	2.315	3.215	8.4	21.1
2 11	6 55.95	+30 3.2	2.409	3.230	11.3	21.4

316263 2010 OT_{121} 1 10.5 89.°25 2.°5/ 9.8 17

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 59.80	+27 48.5	2.029	2.799	14.8	20.7
12 13	7 53.57	+28 18.6	1.970	2.832	11.6	20.5
12 23	7 44.70	+28 48.8	1.935	2.864	7.9	20.4
1 2	7 33.96	+29 14.4	1.927	2.895	4.1	20.2
1 12	7 22.50	+29 31.2	1.949	2.926	2.7	20.2
1 22	7 11.53	+29 37.1	2.001	2.956	5.6	20.4
2 1	7 2.20	+29 32.5	2.082	2.985	9.1	20.7
2 11	6 55.28	+29 19.4	2.189	3.014	12.1	20.9

415457 2014 HL_{41} 1 10.5 212.°23 0.°8/10.1 17

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 46.32	+24 35.5	3.862	4.623	8.5	21.7
12 13	7 42.16	+24 54.0	3.759	4.617	6.6	21.6
12 23	7 36.66	+25 13.9	3.682	4.611	4.5	21.4
1 2	7 30.16	+25 33.7	3.634	4.605	2.2	21.3
1 12	7 23.14	+25 51.5	3.617	4.598	0.9	21.2
1 22	7 16.15	+26 6.1	3.632	4.591	3.1	21.3
2 1	7 9.74	+26 16.6	3.678	4.584	5.4	21.5
2 11	7 4.38	+26 22.8	3.751	4.576	7.5	21.6

8768 Barnowl 1 10.5 334.°55 3.°4/11.3 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 50.61	+14 51.1	1.423	2.217	18.9	17.1
12 13	7 47.69	+14 25.5	1.338	2.209	15.3	16.8
12 23	7 41.56	+14 11.3	1.272	2.202	10.9	16.5
1 2	7 32.82	+14 9.0	1.229	2.196	6.2	16.2
1 12	7 22.66	+14 17.7	1.211	2.190	3.5	16.1
1 22	7 12.57	+14 35.0	1.220	2.185	6.9	16.2
2 1	7 4.09	+14 58.1	1.254	2.180	11.7	16.5
2 11	6 58.40	+15 23.8	1.311	2.176	16.2	16.7

424205 2007 PJ_{32} 1 10.5 70.°02 5.°0/13.2 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 50.45	+ 4 13.0	2.263	2.987	14.8	21.0
12 13	7 45.89	+ 4 16.2	2.198	3.017	12.2	20.8
12 23	7 39.37	+ 4 35.0	2.154	3.046	9.3	20.7
1 2	7 31.45	+ 5 9.8	2.137	3.076	6.5	20.6
1 12	7 22.93	+ 5 58.9	2.147	3.105	5.0	20.5
1 22	7 14.67	+ 6 59.0	2.188	3.134	5.9	20.6
2 1	7 7.50	+ 8 5.9	2.257	3.162	8.3	20.8
2 11	7 2.06	+ 9 15.4	2.353	3.191	10.9	21.1

214088 2004 JN_{13} 1 10.5 23.°00 6.°1/ 9.1 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	8 32.76	+22 28.9	0.671	1.478	33.0	16.7
12 13	8 19.61	+26 6.3	0.694	1.575	24.3	16.6
12 23	8 1.48	+29 26.0	0.734	1.671	15.6	16.6
1 2	7 40.98	+32 5.3	0.797	1.766	8.3	16.6
1 12	7 21.51	+33 52.3	0.886	1.859	6.4	16.9
1 22	7 5.75	+34 50.6	1.001	1.951	10.5	17.4
2 1	6 55.08	+35 12.4	1.138	2.041	14.8	18.0
2 11	6 49.61	+35 10.8	1.296	2.130	18.3	18.4

300284 2007 NX_2 1 10.5 141.°92 0.°9/10.2 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 57.35	+22 27.4	2.000	2.771	15.0	22.1
12 13	7 51.92	+22 57.2	1.921	2.783	11.8	21.9
12 23	7 43.81	+23 32.3	1.864	2.795	8.0	21.6
1 2	7 33.67	+24 8.9	1.835	2.807	3.8	21.4
1 12	7 22.53	+24 42.5	1.835	2.817	1.2	21.2
1 22	7 11.61	+25 9.9	1.865	2.827	5.2	21.5
2 1	7 2.10	+25 29.5	1.925	2.836	9.2	21.8
2 11	6 54.90	+25 41.3	2.010	2.844	12.7	22.0

406104 2006 VZ_7 1 10.5 57.°76 1.°7/10.9 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 53.29	+17 32.1	1.613	2.399	17.4	21.4
12 13	7 49.12	+17 25.2	1.545	2.414	13.8	21.1
12 23	7 42.06	+17 27.3	1.498	2.430	9.5	20.9
1 2	7 32.86	+17 36.9	1.475	2.445	4.8	20.7
1 12	7 22.68	+17 51.4	1.480	2.462	1.7	20.5
1 22	7 12.87	+18 8.1	1.513	2.478	5.7	20.8
2 1	7 4.67	+18 24.9	1.572	2.494	10.1	21.1
2 11	6 59.02	+18 40.3	1.656	2.511	13.9	21.4

417706 2007 BB_{78} 1 10.5 166.°52 3.°0/ 9.6 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 55.91	+29 59.8	2.162	2.938	13.9	21.6
12 13	7 50.79	+30 22.1	2.077	2.940	11.0	21.4
12 23	7 43.05	+30 43.5	2.014	2.942	7.7	21.2
1 2	7 33.32	+30 59.5	1.978	2.944	4.3	21.0
1 12	7 22.60	+31 6.1	1.971	2.946	3.1	20.9
1 22	7 12.09	+31 1.3	1.994	2.947	5.8	21.1
2 1	7 2.95	+30 45.3	2.046	2.948	9.2	21.3
2 11	6 56.07	+30 20.1	2.123	2.949	12.4	21.5

22283 Pytheas 1 10.5 100.°69 3.°2/11.7 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 58.33	+11 59.2	1.567	2.331	18.8	18.6
12 13	7 53.00	+12 11.3	1.504	2.356	15.0	18.4
12 23	7 44.66	+12 39.0	1.460	2.381	10.6	18.2
1 2	7 34.07	+13 20.6	1.442	2.406	6.0	18.0
1 12	7 22.49	+14 12.2	1.451	2.429	3.2	17.9
1 22	7 11.33	+15 8.9	1.490	2.452	6.2	18.1
2 1	7 1.92	+16 5.9	1.556	2.474	10.4	18.4
2 11	6 55.22	+16 59.6	1.646	2.495	14.3	18.7

218634 2005 RP_{31} 1 10.5 97.°47 0.°5/10.4 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 58.07	+24 10.0	2.073	2.842	14.6	20.1
12 13	7 52.13	+23 59.8	2.002	2.864	11.4	19.9
12 23	7 43.71	+23 51.1	1.955	2.885	7.7	19.7
1 2	7 33.51	+23 41.3	1.935	2.907	3.6	19.5
1 12	7 22.59	+23 28.6	1.945	2.927	0.8	19.3
1 22	7 12.11	+23 12.0	1.985	2.948	4.8	19.6
2 1	7 3.12	+22 52.0	2.055	2.968	8.6	19.9
2 11	6 56.38	+22 29.6	2.151	2.987	11.8	20.2

433326 2013 QP_{71} 1 10.5 43.°34 1.°3/11.0 15

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 52.99	+15 59.1	1.634	2.415	17.4	20.9
12 13	7 48.59	+16 26.1	1.585	2.452	13.6	20.7
12 23	7 41.50	+17 4.3	1.558	2.489	9.3	20.6
1 2	7 32.51	+17 50.7	1.556	2.526	4.6	20.4
1 12	7 22.78	+18 40.7	1.582	2.564	1.4	20.2
1 22	7 13.56	+19 29.8	1.636	2.602	5.3	20.6
2 1	7 5.99	+20 14.7	1.718	2.640	9.4	20.9
2 11	7 0.84	+20 53.3	1.825	2.677	12.9	21.2

139760 2001 QW_{285} 1 10.5 34.°11 5.°5/ 8.0 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 54.46	+30 38.7	1.720	2.513	16.2	19.4
12 13	7 50.65	+32 14.8	1.644	2.516	12.9	19.1
12 23	7 43.57	+33 54.4	1.591	2.519	9.3	18.9
1 2	7 33.79	+35 28.6	1.563	2.523	6.2	18.8
1 12	7 22.51	+36 48.0	1.564	2.526	5.8	18.7
1 22	7 11.27	+37 46.0	1.592	2.530	8.5	18.9
2 1	7 1.64	+38 20.5	1.647	2.534	12.0	19.1
2 11	6 54.87	+38 34.0	1.724	2.538	15.3	19.3

248564 2005 YD_{257} 1 10.5 316.°47 2.°7/11.5 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 49.35	+13 13.6	1.942	2.711	15.4	21.0
12 13	7 45.79	+13 17.1	1.849	2.706	12.4	20.7
12 23	7 39.79	+13 32.4	1.778	2.702	8.9	20.5
1 2	7 31.85	+13 59.1	1.732	2.697	5.0	20.3
1 12	7 22.87	+14 34.9	1.715	2.693	2.7	20.1
1 22	7 13.92	+15 16.9	1.725	2.688	5.4	20.3
2 1	7 6.10	+16 1.7	1.764	2.684	9.3	20.5
2 11	7 0.33	+16 45.9	1.828	2.680	12.9	20.7

217601 2008 JZ_{14} 1 10.5 133.°88 0.°1/10.6 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 52.57	+19 36.9	2.167	2.937	14.0	20.9
12 13	7 48.00	+20 2.8	2.083	2.945	11.0	20.7
12 23	7 41.09	+20 35.6	2.023	2.953	7.5	20.5
1 2	7 32.39	+21 12.7	1.989	2.961	3.5	20.3
1 12	7 22.80	+21 50.5	1.985	2.968	0.6	20.1
1 22	7 13.34	+22 25.9	2.011	2.975	4.7	20.4
2 1	7 5.04	+22 56.5	2.067	2.982	8.4	20.6
2 11	6 58.72	+23 21.4	2.148	2.988	11.7	20.9

120868 1998 RA_{13} 1 10.5 86.°43 0.°9/10.3 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	8 0.19	+22 36.3	1.494	2.281	18.5	20.8
12 13	7 54.71	+22 57.4	1.436	2.307	14.5	20.6
12 23	7 45.91	+23 24.3	1.399	2.333	9.8	20.4
1 2	7 34.67	+23 52.4	1.386	2.358	4.6	20.2
1 12	7 22.42	+24 16.6	1.401	2.384	1.3	20.0
1 22	7 10.77	+24 33.4	1.445	2.408	6.2	20.4
2 1	7 1.14	+24 42.0	1.515	2.432	10.8	20.7
2 11	6 54.54	+24 43.4	1.609	2.455	14.7	21.0

283002 2007 TH_{387} 1 10.5 155.°94 1.°8/11.3 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 49.62	+15 16.9	2.617	3.372	12.3	21.6
12 13	7 45.23	+15 13.7	2.526	3.376	9.8	21.4
12 23	7 38.97	+15 17.5	2.458	3.380	6.8	21.2
1 2	7 31.32	+15 27.5	2.418	3.383	3.7	21.0
1 12	7 22.99	+15 42.4	2.407	3.387	1.8	20.9
1 22	7 14.75	+16 0.6	2.428	3.390	4.2	21.1
2 1	7 7.39	+16 20.3	2.478	3.392	7.2	21.3
2 11	7 1.59	+16 40.2	2.555	3.395	10.1	21.4

379961 2012 QA_9 1 10.5 118.°63 1.°5/11.0 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 51.11	+17 35.7	2.462	3.223	12.8	21.1
12 13	7 46.46	+17 21.9	2.376	3.231	10.1	20.9
12 23	7 39.82	+17 13.4	2.314	3.239	7.0	20.7
1 2	7 31.72	+17 9.4	2.278	3.246	3.6	20.5
1 12	7 22.93	+17 8.8	2.273	3.254	1.5	20.3
1 22	7 14.30	+17 10.4	2.298	3.261	4.3	20.6
2 1	7 6.68	+17 13.2	2.353	3.268	7.5	20.8
2 11	7 0.77	+17 16.5	2.435	3.275	10.5	21.0

15260 1990 SY_8 1 10.5 166.°28 1.°9/ 9.9 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 57.73	+24 56.9	1.897	2.673	15.5	19.2
12 13	7 52.55	+25 32.7	1.812	2.678	12.2	19.0
12 23	7 44.46	+26 12.9	1.750	2.682	8.3	18.7
1 2	7 34.08	+26 52.5	1.715	2.686	4.1	18.5
1 12	7 22.51	+27 26.4	1.709	2.689	2.2	18.4
1 22	7 11.10	+27 50.8	1.732	2.691	5.9	18.6
2 1	7 1.17	+28 4.3	1.784	2.693	10.0	18.9
2 11	6 53.76	+28 7.9	1.861	2.694	13.6	19.1

425468 2010 EK_{106} 1 10.5 343.°64 21.°6/ 2.8 17

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	8 15.29	+57 13.0	1.055	1.826	25.6	20.0
12 13	8 14.00	+60 20.3	1.013	1.824	23.7	19.8
12 23	8 3.96	+63 5.5	0.986	1.823	22.2	19.7
1 2	7 45.00	+65 3.4	0.975	1.821	21.7	19.7
1 12	7 20.52	+65 51.8	0.980	1.820	22.1	19.7
1 22	6 56.94	+65 23.6	1.001	1.819	23.4	19.8
2 1	6 40.23	+63 50.0	1.037	1.819	25.2	19.9
2 11	6 32.79	+61 32.6	1.084	1.818	27.2	20.1

123281 2000 UY_{96} 1 10.5 359.°30 1.°1/10.8 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 52.02	+19 34.5	1.847	2.629	15.7	19.7
12 13	7 47.99	+19 21.5	1.761	2.628	12.4	19.5
12 23	7 41.30	+19 14.2	1.696	2.628	8.5	19.2
1 2	7 32.56	+19 11.2	1.657	2.628	4.2	19.0
1 12	7 22.80	+19 10.7	1.646	2.628	1.2	18.8
1 22	7 13.19	+19 11.0	1.663	2.628	5.3	19.0
2 1	7 4.94	+19 11.2	1.708	2.629	9.5	19.3
2 11	6 58.96	+19 10.5	1.778	2.629	13.2	19.5

14748 2620 P–L 1 10.5 288.°33 1.°0/10.2 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 52.72	+23 11.5	1.765	2.554	16.0	18.5
12 13	7 48.97	+23 30.4	1.669	2.542	12.7	18.3
12 23	7 42.28	+23 55.0	1.593	2.529	8.7	18.0
1 2	7 33.16	+24 21.6	1.544	2.516	4.2	17.7
1 12	7 22.68	+24 46.0	1.522	2.504	1.4	17.5
1 22	7 12.18	+25 4.6	1.528	2.491	5.9	17.8
2 1	7 3.05	+25 15.5	1.561	2.479	10.5	18.0
2 11	6 56.43	+25 18.9	1.619	2.467	14.5	18.2

238604 2005 AP_{53} 1 10.5 282.°88 0.°6/10.4 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 53.12	+24 20.3	2.181	2.957	13.8	20.3
12 13	7 48.49	+24 13.5	2.089	2.954	10.8	20.1
12 23	7 41.46	+24 8.2	2.019	2.952	7.4	19.9
1 2	7 32.59	+24 2.1	1.977	2.949	3.5	19.7
1 12	7 22.82	+23 53.2	1.964	2.947	0.9	19.5
1 22	7 13.20	+23 40.2	1.981	2.944	4.8	19.7
2 1	7 4.80	+23 23.1	2.027	2.942	8.6	20.0
2 11	6 58.45	+23 2.6	2.098	2.939	11.9	20.2

233774 2008 TE_{158} 1 10.5 89.°63 5.°3/ 8.8 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 56.59	+36 45.4	2.220	2.991	13.7	20.2
12 13	7 51.41	+37 29.5	2.148	3.002	11.1	20.0
12 23	7 43.50	+38 8.6	2.098	3.013	8.3	19.9
1 2	7 33.55	+38 36.7	2.076	3.024	5.9	19.8
1 12	7 22.66	+38 48.9	2.081	3.035	5.5	19.7
1 22	7 12.09	+38 43.4	2.116	3.046	7.3	19.9
2 1	7 3.02	+38 20.9	2.177	3.056	9.9	20.1
2 11	6 56.36	+37 45.2	2.263	3.067	12.5	20.3

483544 2003 WG_7 1 10.5 103.°36 17.°6/ 3.7 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	8 13.65	+49 41.8	1.145	1.926	23.4	20.4
12 13	8 10.27	+53 5.8	1.105	1.936	20.7	20.3
12 23	7 59.81	+56 14.4	1.083	1.947	18.6	20.2
1 2	7 42.52	+58 43.5	1.081	1.957	17.6	20.2
1 12	7 21.02	+60 12.5	1.100	1.968	18.1	20.2
1 22	6 59.86	+60 34.4	1.138	1.977	19.7	20.4
2 1	6 43.55	+59 57.9	1.194	1.987	21.9	20.5
2 11	6 34.52	+58 41.1	1.264	1.996	24.0	20.7

405378 2004 BJ_{128} 1 10.5 32.°18 0.°3/10.5 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 52.77	+21 50.8	1.412	2.215	18.6	21.1
12 13	7 49.32	+21 58.2	1.344	2.224	14.6	20.9
12 23	7 42.56	+22 12.3	1.295	2.234	9.9	20.7
1 2	7 33.24	+22 29.7	1.270	2.244	4.7	20.4
1 12	7 22.71	+22 46.4	1.271	2.254	0.9	20.1
1 22	7 12.55	+22 59.0	1.299	2.266	6.2	20.5
2 1	7 4.25	+23 6.0	1.353	2.277	11.2	20.8
2 11	6 58.87	+23 7.5	1.430	2.290	15.4	21.1

50792 2000 FZ_{22} 1 10.5 350.°54 8.°1/ 7.1 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 57.46	+38 2.9	1.752	2.537	16.3	18.8
12 13	7 53.37	+39 43.1	1.677	2.536	13.4	18.6
12 23	7 45.64	+41 20.5	1.625	2.536	10.5	18.4
1 2	7 34.87	+42 44.6	1.597	2.535	8.4	18.3
1 12	7 22.41	+43 45.6	1.596	2.535	8.4	18.3
1 22	7 10.00	+44 18.0	1.622	2.535	10.4	18.4
2 1	6 59.43	+44 21.7	1.673	2.535	13.3	18.6
2 11	6 52.08	+44 1.7	1.744	2.535	16.1	18.8

114026 Emalanushenko 1 10.5 285.°30 0.°4/10.7 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 49.92	+19 37.4	2.209	2.984	13.6	20.5
12 13	7 46.05	+19 48.5	2.108	2.973	10.8	20.3
12 23	7 39.89	+20 6.0	2.030	2.961	7.4	20.0
1 2	7 31.91	+20 27.9	1.979	2.950	3.6	19.8
1 12	7 22.94	+20 51.7	1.956	2.939	0.7	19.5
1 22	7 13.96	+21 14.8	1.964	2.928	4.7	19.8
2 1	7 6.00	+21 35.1	2.000	2.917	8.5	20.0
2 11	6 59.92	+21 51.8	2.061	2.906	11.9	20.2

416778 2005 FY_4 1 10.5 301.°14 4.°2/ 9.6 17

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 56.89	+33 55.6	2.095	2.870	14.3	20.4
12 13	7 52.14	+34 7.9	1.979	2.840	11.6	20.2
12 23	7 44.39	+34 16.1	1.886	2.810	8.4	19.9
1 2	7 34.17	+34 14.9	1.819	2.780	5.4	19.7
1 12	7 22.54	+33 59.5	1.781	2.750	4.4	19.5
1 22	7 10.85	+33 27.5	1.772	2.720	6.9	19.6
2 1	7 0.52	+32 40.1	1.791	2.690	10.5	19.8
2 11	6 52.68	+31 41.0	1.834	2.659	14.1	19.9

331613 2001 YB_{88} 1 10.5 348.°01 1.°5/ 9.9 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 45.89	+20 45.2	1.337	2.155	18.7	20.1
12 13	7 44.47	+21 41.7	1.254	2.143	14.8	19.8
12 23	7 39.70	+22 52.1	1.190	2.133	10.1	19.5
1 2	7 32.11	+24 11.3	1.150	2.124	4.8	19.1
1 12	7 22.89	+25 31.5	1.135	2.117	1.9	18.9
1 22	7 13.62	+26 44.5	1.145	2.111	7.1	19.2
2 1	7 5.99	+27 44.4	1.181	2.106	12.3	19.5
2 11	7 1.34	+28 28.9	1.238	2.103	16.9	19.8

232272 2002 QS_{99} 1 10.5 189.°51 1.°3/11.1 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 49.78	+15 48.2	2.380	3.141	13.1	20.8
12 13	7 45.66	+16 8.9	2.286	3.141	10.4	20.6
12 23	7 39.46	+16 38.4	2.215	3.140	7.2	20.4
1 2	7 31.65	+17 15.3	2.171	3.140	3.7	20.2
1 12	7 23.00	+17 56.8	2.157	3.139	1.3	20.0
1 22	7 14.38	+18 40.0	2.174	3.138	4.3	20.3
2 1	7 6.70	+19 22.1	2.220	3.136	7.8	20.5
2 11	7 0.73	+20 1.1	2.292	3.135	11.0	20.7

466044 2011 KY_{37} 1 10.5 188.°08 0.°6/10.8 17

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 50.59	+19 27.8	2.857	3.615	11.3	22.5
12 13	7 45.89	+19 29.1	2.759	3.614	8.9	22.3
12 23	7 39.39	+19 34.5	2.686	3.613	6.1	22.1
1 2	7 31.55	+19 42.8	2.641	3.611	3.0	21.9
1 12	7 23.03	+19 52.3	2.626	3.609	0.7	21.7
1 22	7 14.58	+20 1.6	2.643	3.607	3.7	21.9
2 1	7 6.96	+20 9.7	2.691	3.604	6.8	22.1
2 11	7 0.81	+20 16.0	2.765	3.601	9.5	22.3

87967 2000 TR_{33} 1 10.5 55.°54 0.°4/10.7 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 51.59	+16 45.0	1.759	2.540	16.4	19.2
12 13	7 47.75	+17 37.2	1.686	2.553	12.9	19.0
12 23	7 41.20	+18 42.0	1.634	2.567	8.8	18.8
1 2	7 32.55	+19 55.5	1.609	2.580	4.2	18.6
1 12	7 22.85	+21 12.0	1.611	2.594	0.7	18.3
1 22	7 13.32	+22 25.5	1.644	2.609	5.3	18.7
2 1	7 5.19	+23 31.3	1.704	2.623	9.6	19.0
2 11	6 59.40	+24 27.2	1.789	2.638	13.3	19.2

64776 2001 XP_{188} 1 10.6 112.°59 1.°5/11.1 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 56.38	+15 58.8	1.781	2.549	16.7	19.8
12 13	7 51.30	+16 14.8	1.710	2.568	13.2	19.6
12 23	7 43.47	+16 41.5	1.659	2.586	9.1	19.4
1 2	7 33.56	+17 16.7	1.635	2.604	4.6	19.1
1 12	7 22.69	+17 56.7	1.639	2.621	1.6	19.0
1 22	7 12.11	+18 37.6	1.673	2.637	5.4	19.3
2 1	7 3.04	+19 16.2	1.735	2.653	9.6	19.5
2 11	6 56.39	+19 50.7	1.822	2.668	13.2	19.8

67401 2000 PS_{21} 1 10.6 26.°57 2.°8/ 9.6 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 52.75	+26 44.7	1.674	2.470	16.4	19.1
12 13	7 49.05	+27 24.2	1.598	2.474	12.9	18.8
12 23	7 42.29	+28 7.1	1.543	2.479	8.9	18.6
1 2	7 33.12	+28 47.8	1.514	2.484	4.7	18.4
1 12	7 22.75	+29 20.8	1.511	2.489	3.1	18.3
1 22	7 12.60	+29 42.0	1.537	2.495	6.6	18.5
2 1	7 4.06	+29 50.1	1.589	2.501	10.7	18.8
2 11	6 58.20	+29 46.8	1.665	2.508	14.4	19.0

427204 2014 VA_{35} 1 10.6 75.°85 3.°0/11.5 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 51.44	+13 48.6	1.913	2.681	15.7	20.8
12 13	7 47.35	+13 31.2	1.829	2.684	12.6	20.6
12 23	7 40.79	+13 23.7	1.766	2.688	9.0	20.4
1 2	7 32.32	+13 26.0	1.728	2.692	5.2	20.2
1 12	7 22.90	+13 37.2	1.719	2.695	3.1	20.0
1 22	7 13.63	+13 55.1	1.738	2.699	5.6	20.2
2 1	7 5.60	+14 17.5	1.785	2.703	9.4	20.4
2 11	6 59.70	+14 42.0	1.857	2.707	12.9	20.7

334268 2001 UE_{38} 1 10.6 52.°15 4.°3/11.6 17

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 54.12	+13 7.8	1.289	2.080	20.7	20.8
12 13	7 50.35	+12 36.2	1.228	2.096	16.6	20.5
12 23	7 43.22	+12 19.1	1.186	2.113	11.9	20.3
1 2	7 33.53	+12 17.2	1.165	2.129	7.1	20.1
1 12	7 22.70	+12 29.2	1.170	2.146	4.3	20.0
1 22	7 12.34	+12 52.0	1.202	2.164	7.3	20.2
2 1	7 3.94	+13 21.9	1.258	2.182	11.9	20.5
2 11	6 58.54	+13 54.9	1.336	2.200	16.0	20.8

336947 2011 HD_{78} 1 10.6 88.°86 0.°2/10.6 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 50.14	+18 37.8	2.254	3.025	13.5	20.6
12 13	7 46.06	+19 11.9	2.169	3.031	10.6	20.5
12 23	7 39.78	+19 54.0	2.107	3.038	7.2	20.3
1 2	7 31.82	+20 41.4	2.072	3.044	3.4	20.0
1 12	7 23.00	+21 30.3	2.067	3.050	0.6	19.8
1 22	7 14.27	+22 17.4	2.092	3.056	4.5	20.1
2 1	7 6.59	+22 59.8	2.147	3.063	8.1	20.4
2 11	7 0.74	+23 36.0	2.227	3.069	11.3	20.6

378365 2007 LL_{25} 1 10.6 79.°77 3.°5/11.6 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 50.98	+12 28.7	2.179	2.935	14.4	21.1
12 13	7 46.59	+11 56.9	2.098	2.944	11.6	21.0
12 23	7 40.04	+11 33.9	2.038	2.953	8.4	20.8
1 2	7 31.90	+11 20.3	2.004	2.962	5.2	20.6
1 12	7 23.00	+11 16.0	2.000	2.972	3.5	20.5
1 22	7 14.29	+11 19.8	2.024	2.981	5.4	20.6
2 1	7 6.69	+11 30.2	2.078	2.990	8.6	20.9
2 11	7 0.94	+11 45.2	2.156	2.999	11.6	21.1

201967 2004 PB_{13} 1 10.6 142.°99 0.°8/10.8 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 57.34	+18 30.6	1.952	2.717	15.5	21.9
12 13	7 51.90	+18 39.6	1.871	2.729	12.3	21.7
12 23	7 43.83	+18 56.1	1.813	2.741	8.4	21.5
1 2	7 33.75	+19 17.7	1.782	2.752	4.1	21.2
1 12	7 22.69	+19 41.5	1.780	2.763	1.0	21.0
1 22	7 11.87	+20 4.4	1.808	2.772	5.1	21.3
2 1	7 2.44	+20 24.7	1.866	2.781	9.2	21.6
2 11	6 55.32	+20 41.3	1.949	2.789	12.7	21.8

49422 1998 XM_{77} 1 10.6 61.°03 2.°5/11.4 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 52.18	+14 38.2	1.647	2.426	17.4	18.4
12 13	7 48.28	+14 39.7	1.574	2.438	13.9	18.2
12 23	7 41.58	+14 53.1	1.522	2.449	9.7	18.0
1 2	7 32.74	+15 17.6	1.494	2.461	5.3	17.8
1 12	7 22.87	+15 50.1	1.494	2.473	2.5	17.6
1 22	7 13.26	+16 27.2	1.521	2.486	5.8	17.8
2 1	7 5.14	+17 5.3	1.576	2.498	10.0	18.1
2 11	6 59.47	+17 41.6	1.655	2.510	13.8	18.4

136759 1996 FB_2 1 10.6 303.°05 14.°6/16.6 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 48.44	−14 43.0	1.820	2.465	20.3	19.9
12 13	7 45.35	−16 5.6	1.735	2.455	18.7	19.7
12 23	7 39.68	−17 1.5	1.665	2.445	17.1	19.6
1 2	7 31.93	−17 22.8	1.613	2.435	15.6	19.4
1 12	7 22.99	−17 3.9	1.581	2.426	14.8	19.3
1 22	7 14.00	−16 4.0	1.570	2.417	14.8	19.3
2 1	7 6.14	−14 27.0	1.581	2.408	15.8	19.4
2 11	7 0.42	−12 21.6	1.612	2.399	17.4	19.5

349141 2007 KX_6 1 10.6 277.°79 11.°8/ 9.9 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 58.16	+ 1 46.2	1.655	2.378	19.4	20.3
12 13	7 53.44	− 0 37.3	1.548	2.353	17.1	20.0
12 23	7 45.53	− 2 53.3	1.461	2.327	14.5	19.8
1 2	7 34.87	− 4 53.0	1.398	2.301	12.4	19.6
1 12	7 22.47	− 6 27.7	1.361	2.275	11.8	19.5
1 22	7 9.71	− 7 30.8	1.350	2.248	13.3	19.5
2 1	6 58.14	− 8 0.4	1.363	2.220	16.0	19.6
2 11	6 49.11	− 8 0.0	1.397	2.193	19.2	19.7

73775 1994 PB_{24} 1 10.6 74.°57 4.°0/ 9.8 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 59.99	+31 30.4	1.648	2.435	17.1	19.2
12 13	7 54.59	+31 52.1	1.585	2.453	13.5	19.0
12 23	7 45.88	+32 11.0	1.542	2.472	9.5	18.8
1 2	7 34.73	+32 20.9	1.525	2.490	5.5	18.6
1 12	7 22.56	+32 17.1	1.536	2.509	4.1	18.6
1 22	7 10.99	+31 58.0	1.574	2.527	7.1	18.8
2 1	7 1.43	+31 25.5	1.640	2.545	10.9	19.1
2 11	6 54.86	+30 43.6	1.729	2.563	14.4	19.3

495826 2017 FV_{155} 1 10.6 325.°10 3.°4/ 9.6 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 52.86	+26 7.6	1.265	2.080	19.7	21.0
12 13	7 50.36	+26 51.1	1.183	2.070	15.7	20.7
12 23	7 43.96	+27 41.4	1.120	2.061	10.9	20.4
1 2	7 34.23	+28 31.8	1.080	2.052	5.7	20.1
1 12	7 22.59	+29 14.0	1.064	2.043	3.7	19.9
1 22	7 10.97	+29 41.4	1.074	2.035	8.2	20.2
2 1	7 1.37	+29 51.8	1.108	2.028	13.5	20.4
2 11	6 55.28	+29 47.0	1.163	2.022	18.2	20.7

368603 2004 RR_{206} 1 10.6 172.°16 5.°1/12.9 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 50.92	+ 2 58.0	2.954	3.653	12.2	22.6
12 13	7 45.97	+ 2 31.6	2.859	3.657	10.2	22.5
12 23	7 39.38	+ 2 16.6	2.787	3.661	8.1	22.3
1 2	7 31.55	+ 2 14.5	2.741	3.664	6.1	22.2
1 12	7 23.10	+ 2 25.7	2.725	3.667	5.1	22.1
1 22	7 14.71	+ 2 49.1	2.739	3.668	5.8	22.2
2 1	7 7.08	+ 3 22.7	2.782	3.669	7.7	22.3
2 11	7 0.78	+ 4 3.7	2.853	3.669	9.8	22.4

178741 2000 TK_{49} 1 10.6 221.°17 1.°6/11.2 17

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 52.47	+15 22.2	2.730	3.476	12.0	21.9
12 13	7 47.55	+15 28.1	2.618	3.464	9.6	21.7
12 23	7 40.67	+15 41.1	2.530	3.450	6.8	21.5
1 2	7 32.26	+16 0.4	2.471	3.436	3.6	21.3
1 12	7 22.98	+16 24.3	2.442	3.422	1.6	21.1
1 22	7 13.66	+16 51.0	2.444	3.406	4.1	21.3
2 1	7 5.12	+17 18.3	2.478	3.390	7.4	21.5
2 11	6 58.10	+17 44.9	2.538	3.372	10.3	21.6

427272 2014 WA_{170} 1 10.6 120.°18 1.°1/10.1 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 55.00	+22 39.8	2.075	2.848	14.5	21.5
12 13	7 50.04	+23 19.2	1.998	2.862	11.3	21.3
12 23	7 42.56	+24 4.1	1.944	2.876	7.6	21.1
1 2	7 33.17	+24 50.3	1.918	2.890	3.6	20.9
1 12	7 22.84	+25 33.4	1.921	2.903	1.4	20.7
1 22	7 12.71	+26 9.6	1.955	2.916	5.1	21.0
2 1	7 3.89	+26 37.2	2.017	2.928	8.9	21.3
2 11	6 57.24	+26 55.9	2.105	2.940	12.2	21.5

34056 2000 OJ_{42} 1 10.6 190.°85 4.°6/12.3 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 50.94	+ 7 39.0	2.265	3.002	14.4	19.6
12 13	7 46.60	+ 7 22.1	2.171	3.001	11.9	19.4
12 23	7 40.13	+ 7 17.8	2.098	3.000	9.0	19.2
1 2	7 32.01	+ 7 27.0	2.051	2.998	6.1	19.0
1 12	7 23.03	+ 7 49.3	2.033	2.996	4.6	18.9
1 22	7 14.09	+ 8 23.0	2.044	2.994	6.0	19.0
2 1	7 6.13	+ 9 5.1	2.083	2.991	8.8	19.2
2 11	6 59.92	+ 9 52.2	2.149	2.987	11.8	19.4

430271 2013 WJ_{48} 1 10.6 102.°25 0.°6/10.7 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 53.06	+21 21.8	2.299	3.068	13.4	20.4
12 13	7 48.21	+21 0.3	2.210	3.071	10.5	20.2
12 23	7 41.15	+20 41.4	2.144	3.073	7.2	20.0
1 2	7 32.45	+20 23.9	2.105	3.076	3.5	19.8
1 12	7 22.97	+20 6.7	2.096	3.079	0.8	19.6
1 22	7 13.68	+19 49.2	2.118	3.082	4.4	19.9
2 1	7 5.53	+19 31.2	2.169	3.085	8.1	20.1
2 11	6 59.28	+19 13.2	2.246	3.087	11.2	20.3

170325 2003 SA_{78} 1 10.6 181.°82 2.°9/11.4 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 54.52	+14 30.4	1.911	2.674	15.9	21.1
12 13	7 49.84	+14 12.2	1.821	2.675	12.8	20.9
12 23	7 42.54	+14 3.2	1.753	2.675	9.1	20.7
1 2	7 33.21	+14 3.2	1.711	2.675	5.2	20.4
1 12	7 22.83	+14 11.2	1.697	2.674	2.9	20.3
1 22	7 12.56	+14 25.1	1.712	2.673	5.7	20.5
2 1	7 3.58	+14 43.1	1.756	2.672	9.6	20.7
2 11	6 56.81	+15 3.0	1.825	2.670	13.2	20.9

372477 2009 SH_{203} 1 10.6 236.°95 4.°3/12.1 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 50.23	+ 9 5.5	2.127	2.875	14.9	21.5
12 13	7 46.26	+ 8 51.2	2.030	2.869	12.2	21.3
12 23	7 40.02	+ 8 49.4	1.955	2.863	9.1	21.1
1 2	7 32.01	+ 9 1.0	1.905	2.857	6.0	20.8
1 12	7 23.03	+ 9 25.4	1.883	2.851	4.3	20.7
1 22	7 14.06	+10 0.5	1.890	2.844	5.9	20.8
2 1	7 6.11	+10 43.3	1.925	2.837	9.1	21.0
2 11	7 0.01	+11 30.3	1.986	2.831	12.4	21.2

151952 2004 FO_{139} 1 10.6 226.°38 1.°0/10.8 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 56.93	+18 51.5	1.832	2.603	16.2	21.5
12 13	7 52.11	+18 50.9	1.731	2.593	12.9	21.2
12 23	7 44.35	+18 57.7	1.652	2.581	9.0	21.0
1 2	7 34.18	+19 10.1	1.599	2.569	4.4	20.7
1 12	7 22.66	+19 25.2	1.574	2.556	1.2	20.4
1 22	7 11.08	+19 40.4	1.578	2.543	5.6	20.7
2 1	7 0.84	+19 53.7	1.611	2.528	10.2	20.9
2 11	6 53.05	+20 4.4	1.669	2.513	14.3	21.1

178281 2635 T_{-3} 1 10.6 117.°16 0.°8/10.8 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 54.64	+18 49.2	1.972	2.743	15.2	21.2
12 13	7 49.76	+18 53.2	1.894	2.756	12.0	21.0
12 23	7 42.36	+19 4.1	1.839	2.768	8.2	20.8
1 2	7 33.07	+19 19.8	1.809	2.780	4.0	20.6
1 12	7 22.87	+19 37.7	1.809	2.792	1.0	20.4
1 22	7 12.92	+19 55.4	1.839	2.803	4.9	20.7
2 1	7 4.31	+20 11.0	1.897	2.814	8.9	20.9
2 11	6 57.90	+20 23.8	1.980	2.824	12.4	21.2

168969 2001 BX_{55} 1 10.6 355.°34 1.°4/10.2 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 50.43	+22 17.5	1.319	2.132	19.1	19.8
12 13	7 48.02	+22 51.1	1.242	2.128	15.1	19.5
12 23	7 42.08	+23 34.1	1.184	2.125	10.3	19.3
1 2	7 33.23	+24 21.9	1.149	2.123	4.9	19.0
1 12	7 22.82	+25 7.9	1.140	2.122	1.7	18.7
1 22	7 12.53	+25 46.1	1.157	2.122	7.0	19.1
2 1	7 4.09	+26 13.4	1.198	2.123	12.2	19.4
2 11	6 58.79	+26 29.4	1.261	2.124	16.8	19.6

499978 2011 KC_{48} 1 10.6 240.°10 3.°9/12.4 17

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 48.57	+ 7 47.8	2.551	3.286	13.0	22.2
12 13	7 44.59	+ 7 44.7	2.447	3.276	10.7	22.0
12 23	7 38.71	+ 7 53.7	2.364	3.267	8.1	21.8
1 2	7 31.34	+ 8 15.0	2.309	3.257	5.4	21.6
1 12	7 23.16	+ 8 48.1	2.282	3.247	3.9	21.5
1 22	7 14.96	+ 9 30.9	2.285	3.237	5.3	21.6
2 1	7 7.54	+10 20.6	2.317	3.226	8.0	21.7
2 11	7 1.64	+11 13.9	2.376	3.215	10.8	21.9

113669 2002 TO_{91} 1 10.6 183.°89 3.°2/11.6 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 50.03	+12 9.5	2.516	3.263	12.9	20.0
12 13	7 45.66	+11 45.9	2.421	3.263	10.4	19.9
12 23	7 39.36	+11 30.4	2.350	3.263	7.6	19.7
1 2	7 31.61	+11 23.3	2.306	3.263	4.7	19.5
1 12	7 23.13	+11 24.2	2.290	3.262	3.2	19.4
1 22	7 14.73	+11 32.3	2.306	3.261	4.9	19.5
2 1	7 7.24	+11 46.0	2.350	3.261	7.8	19.7
2 11	7 1.33	+12 3.4	2.421	3.259	10.6	19.9

461924 2006 ST_{65} 1 10.6 136.°22 0.°5/10.4 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 51.93	+23 37.9	2.660	3.426	11.8	21.4
12 13	7 47.06	+23 38.6	2.573	3.433	9.2	21.2
12 23	7 40.24	+23 41.1	2.510	3.440	6.3	21.1
1 2	7 31.99	+23 43.6	2.475	3.446	3.0	20.9
1 12	7 23.07	+23 44.0	2.470	3.453	0.7	20.7
1 22	7 14.32	+23 41.2	2.496	3.459	4.0	20.9
2 1	7 6.56	+23 34.7	2.553	3.465	7.2	21.2
2 11	7 0.46	+23 24.9	2.636	3.470	10.0	21.4

16745 Zappa 1 10.6 278.°30 0.°3/10.5 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 55.37	+23 49.3	1.889	2.669	15.4	19.2
12 13	7 50.83	+23 34.1	1.787	2.654	12.3	18.9
12 23	7 43.42	+23 20.4	1.706	2.639	8.4	18.6
1 2	7 33.72	+23 5.9	1.652	2.624	4.0	18.4
1 12	7 22.76	+22 48.5	1.626	2.609	0.8	18.1
1 22	7 11.84	+22 27.0	1.630	2.594	5.5	18.4
2 1	7 2.27	+22 1.7	1.661	2.579	10.0	18.6
2 11	6 55.13	+21 33.9	1.718	2.563	13.9	18.8

40289 1999 JS_{64} 1 10.6 103.°39 3.°6/11.9 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 52.03	+11 11.3	2.099	2.851	15.0	19.0
12 13	7 47.48	+10 55.1	2.021	2.865	12.1	18.8
12 23	7 40.70	+10 50.0	1.965	2.879	8.8	18.7
1 2	7 32.26	+10 56.0	1.935	2.892	5.5	18.5
1 12	7 23.04	+11 12.3	1.934	2.905	3.6	18.4
1 22	7 14.02	+11 36.8	1.962	2.918	5.5	18.5
2 1	7 6.17	+12 6.9	2.018	2.931	8.7	18.8
2 11	7 0.24	+12 39.8	2.100	2.944	11.8	19.0

467807 2010 CL_{29} 1 10.6 299.°66 5.°0/12.8 17

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 47.86	+ 5 36.8	2.262	2.998	14.5	21.5
12 13	7 44.24	+ 5 27.1	2.167	2.994	12.0	21.3
12 23	7 38.57	+ 5 31.9	2.093	2.990	9.3	21.1
1 2	7 31.31	+ 5 52.3	2.044	2.986	6.5	20.9
1 12	7 23.19	+ 6 27.8	2.022	2.982	5.0	20.8
1 22	7 15.09	+ 7 16.3	2.030	2.978	6.2	20.9
2 1	7 7.90	+ 8 14.2	2.066	2.974	8.8	21.0
2 11	7 2.39	+ 9 17.2	2.127	2.970	11.7	21.2

142560 2002 TW_{67} 1 10.6 38.°88 2.°7/10.7 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	8 0.28	+20 12.1	1.656	2.430	17.5	18.6
12 13	7 54.58	+18 53.7	1.573	2.435	14.0	18.4
12 23	7 45.82	+17 35.7	1.511	2.439	9.8	18.2
1 2	7 34.75	+16 19.3	1.476	2.444	5.2	17.9
1 12	7 22.64	+15 6.4	1.469	2.448	2.8	17.8
1 22	7 10.94	+13 59.7	1.493	2.454	6.4	18.0
2 1	7 1.00	+13 1.6	1.544	2.459	10.8	18.3
2 11	6 53.80	+12 13.2	1.620	2.464	14.7	18.5

467710 2009 AG_{1} 1 10.6 157.°36 0.°7/10.2 16

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 50.23	+21 19.8	2.421	3.193	12.7	20.9
12 13	7 46.09	+22 0.0	2.331	3.194	9.9	20.7
12 23	7 39.81	+22 46.2	2.264	3.195	6.7	20.5
1 2	7 31.89	+23 35.4	2.225	3.197	3.2	20.3
1 12	7 23.10	+24 23.8	2.215	3.198	1.0	20.1
1 22	7 14.35	+25 8.0	2.237	3.199	4.4	20.4
2 1	7 6.56	+25 45.6	2.288	3.200	7.9	20.6
2 11	7 0.53	+26 15.8	2.365	3.201	10.9	20.8

283239 2010 UC_{65} 1 10.6 95.°74 1.°1/10.2 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 54.52	+23 24.4	1.854	2.637	15.6	21.0
12 13	7 49.97	+23 44.8	1.778	2.647	12.2	20.8
12 23	7 42.68	+24 9.7	1.723	2.657	8.3	20.6
1 2	7 33.29	+24 35.5	1.694	2.666	3.9	20.3
1 12	7 22.88	+24 58.1	1.694	2.676	1.3	20.2
1 22	7 12.71	+25 14.5	1.722	2.685	5.4	20.5
2 1	7 4.02	+25 23.4	1.779	2.694	9.6	20.7
2 11	6 57.72	+25 25.4	1.860	2.703	13.1	21.0

425493 2010 GG_{31} 1 10.6 287.°12 2.°8/11.7 17

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 48.49	+12 5.5	2.314	3.070	13.6	21.7
12 13	7 44.87	+12 10.3	2.203	3.051	11.1	21.5
12 23	7 39.11	+12 26.1	2.113	3.031	8.0	21.3
1 2	7 31.63	+12 52.8	2.050	3.012	4.7	21.1
1 12	7 23.14	+13 28.8	2.016	2.992	2.8	20.9
1 22	7 14.55	+14 11.7	2.012	2.973	5.0	21.0
2 1	7 6.79	+14 58.5	2.036	2.953	8.4	21.2
2 11	7 0.72	+15 46.2	2.087	2.933	11.8	21.3

331081 2009 WW_{100} 1 10.6 135.°31 0.°9/10.2 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 52.72	+22 51.2	2.224	2.997	13.6	21.6
12 13	7 48.16	+23 20.5	2.139	3.004	10.7	21.4
12 23	7 41.27	+23 54.5	2.078	3.010	7.2	21.2
1 2	7 32.58	+24 29.8	2.045	3.017	3.4	21.0
1 12	7 23.00	+25 2.8	2.041	3.023	1.2	20.8
1 22	7 13.55	+25 30.4	2.067	3.028	4.8	21.1
2 1	7 5.25	+25 51.0	2.122	3.034	8.4	21.3
2 11	6 58.93	+26 4.4	2.203	3.039	11.6	21.5

147702 2005 GD_{143} 1 10.6 128.°43 0.°7/10.8 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 55.38	+18 32.6	2.384	3.140	13.3	21.3
12 13	7 49.84	+18 45.9	2.307	3.160	10.4	21.2
12 23	7 42.17	+19 5.3	2.252	3.178	7.1	21.0
1 2	7 32.93	+19 28.7	2.226	3.196	3.5	20.8
1 12	7 22.96	+19 53.5	2.230	3.213	0.8	20.6
1 22	7 13.21	+20 17.3	2.266	3.229	4.3	20.9
2 1	7 4.59	+20 38.6	2.332	3.244	7.7	21.1
2 11	6 57.84	+20 56.4	2.424	3.259	10.7	21.4

388864 2008 QH_{1} 1 10.6 166.°62 0.°9/10.9 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 56.99	+17 55.4	1.855	2.623	16.1	21.8
12 13	7 51.93	+18 12.1	1.769	2.629	12.8	21.6
12 23	7 44.06	+18 38.0	1.705	2.633	8.8	21.4
1 2	7 33.99	+19 10.5	1.667	2.637	4.3	21.1
1 12	7 22.77	+19 45.9	1.657	2.640	1.0	20.9
1 22	7 11.67	+20 20.7	1.678	2.642	5.3	21.2
2 1	7 1.98	+20 52.0	1.728	2.644	9.7	21.4
2 11	6 54.68	+21 18.5	1.802	2.645	13.5	21.7

227530 2005 YZ_{69} 1 10.6 84.°56 1.°0/10.1 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 54.31	+21 10.7	2.051	2.824	14.6	20.5
12 13	7 49.44	+22 2.9	1.983	2.848	11.4	20.4
12 23	7 42.12	+23 1.9	1.939	2.871	7.7	20.2
1 2	7 32.97	+24 3.3	1.922	2.894	3.6	20.0
1 12	7 22.95	+25 1.9	1.935	2.917	1.2	19.8
1 22	7 13.19	+25 53.7	1.979	2.940	5.0	20.1
2 1	7 4.74	+26 36.0	2.051	2.962	8.7	20.4
2 11	6 58.45	+27 8.3	2.149	2.984	11.9	20.7

298925 2004 TD_{151} 1 10.6 249.°29 13.°7/14.0 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 52.41	−11 40.2	1.934	2.584	19.1	21.6
12 13	7 48.40	−13 17.5	1.839	2.568	17.5	21.4
12 23	7 41.78	−14 33.2	1.760	2.551	15.8	21.2
1 2	7 33.00	−15 19.6	1.700	2.534	14.4	21.1
1 12	7 22.91	−15 30.5	1.663	2.516	13.7	21.0
1 22	7 12.65	−15 3.9	1.648	2.498	14.0	21.0
2 1	7 3.41	−14 1.9	1.656	2.479	15.4	21.0
2 11	6 56.26	−12 31.5	1.685	2.460	17.3	21.1

453668 2010 UB_{81} 1 10.6 114.°86 5.°7/ 8.4 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 59.06	+35 17.7	2.039	2.812	14.7	21.0
12 13	7 53.69	+36 29.4	1.971	2.827	11.8	20.8
12 23	7 45.29	+37 38.1	1.926	2.842	8.8	20.7
1 2	7 34.56	+38 36.0	1.907	2.856	6.3	20.6
1 12	7 22.69	+39 16.6	1.917	2.870	5.9	20.6
1 22	7 11.08	+39 36.5	1.956	2.883	7.9	20.7
2 1	7 1.10	+39 35.9	2.021	2.896	10.7	20.9
2 11	6 53.78	+39 18.6	2.111	2.909	13.4	21.1

18961 Hampfreeman 1 10.6 25.°91 2.°3/10.0 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 52.60	+25 6.2	1.150	1.972	20.8	18.1
12 13	7 49.98	+25 31.4	1.092	1.983	16.4	17.9
12 23	7 43.44	+26 1.9	1.051	1.994	11.1	17.6
1 2	7 33.84	+26 31.8	1.033	2.007	5.5	17.3
1 12	7 22.82	+26 54.5	1.039	2.021	2.6	17.2
1 22	7 12.34	+27 5.8	1.071	2.035	7.5	17.5
2 1	7 4.16	+27 4.8	1.126	2.051	12.7	17.9
2 11	6 59.48	+26 53.7	1.201	2.068	17.2	18.2

147518 2004 DT_{37} 1 10.6 92.°07 4.°5/ 9.2 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 58.56	+32 15.1	1.895	2.674	15.4	19.3
12 13	7 53.23	+33 4.4	1.830	2.693	12.2	19.1
12 23	7 44.91	+33 51.6	1.787	2.712	8.7	18.9
1 2	7 34.33	+34 30.3	1.771	2.731	5.5	18.8
1 12	7 22.75	+34 54.7	1.783	2.749	4.7	18.8
1 22	7 11.57	+35 2.1	1.824	2.768	7.1	18.9
2 1	7 2.10	+34 53.0	1.892	2.785	10.4	19.2
2 11	6 55.31	+34 30.9	1.984	2.803	13.4	19.4

335667 2006 SM_{213} 1 10.6 47.°88 1.°3/10.3 17

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 56.54	+23 26.7	1.123	1.939	21.6	20.8
12 13	7 53.11	+23 42.3	1.064	1.952	17.0	20.6
12 23	7 45.59	+24 4.9	1.023	1.964	11.6	20.3
1 2	7 34.86	+24 29.1	1.004	1.978	5.5	20.0
1 12	7 22.67	+24 48.8	1.009	1.991	1.7	19.8
1 22	7 11.04	+24 59.7	1.039	2.006	7.4	20.2
2 1	7 1.86	+25 0.9	1.094	2.020	13.0	20.6
2 11	6 56.36	+24 53.9	1.169	2.035	17.7	20.9

147283 2003 AD_{14} 1 10.6 13.°76 2.°8/11.9 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 45.38	+10 1.3	1.150	1.958	21.7	18.6
12 13	7 44.12	+11 1.6	1.087	1.965	17.5	18.4
12 23	7 39.44	+12 29.4	1.041	1.974	12.4	18.1
1 2	7 32.00	+14 21.5	1.016	1.985	6.8	17.8
1 12	7 23.14	+16 29.2	1.017	1.998	2.8	17.6
1 22	7 14.49	+18 40.5	1.043	2.012	6.8	17.9
2 1	7 7.67	+20 44.0	1.094	2.028	12.1	18.3
2 11	7 3.92	+22 32.0	1.168	2.046	16.8	18.6

427681 2004 CU_{108} 1 10.6 341.°35 0.°3/10.5 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 50.59	+23 36.1	1.806	2.598	15.6	20.3
12 13	7 47.14	+23 22.0	1.713	2.588	12.3	20.1
12 23	7 40.93	+23 10.1	1.642	2.578	8.4	19.8
1 2	7 32.55	+22 58.4	1.597	2.570	4.0	19.5
1 12	7 23.05	+22 44.7	1.579	2.562	0.8	19.3
1 22	7 13.67	+22 27.9	1.589	2.554	5.4	19.6
2 1	7 5.66	+22 7.9	1.626	2.548	9.8	19.8
2 11	7 0.00	+21 45.5	1.687	2.542	13.7	20.0

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
399613	2004 BQ_{65}		1 10.6	47.°76	0.°3/10.7	18
	h m	° ′			°	m
12 3	7 57.59	+17 46.8	1.255	2.053	20.8	20.0
12 13	7 52.95	+18 28.0	1.216	2.092	16.2	19.8
12 23	7 44.85	+19 21.7	1.195	2.131	10.9	19.6
1 2	7 34.29	+20 22.4	1.198	2.171	5.1	19.4
1 12	7 22.84	+21 23.0	1.228	2.211	0.8	19.2
1 22	7 12.18	+22 17.4	1.284	2.251	6.3	19.7
2 1	7 3.75	+23 2.3	1.367	2.291	11.1	20.1
2 11	6 58.46	+23 36.8	1.473	2.330	15.1	20.4
427800	2005 GF_{76}		1 10.6	274.°03	4.°3/ 8.5	17
12 3	7 54.00	+33 2.3	2.544	3.314	12.2	21.9
12 13	7 49.46	+33 59.5	2.431	3.288	9.8	21.7
12 23	7 42.43	+34 57.1	2.341	3.262	7.2	21.4
1 2	7 33.31	+35 49.7	2.280	3.235	4.9	21.3
1 12	7 22.94	+36 31.8	2.248	3.208	4.5	21.2
1 22	7 12.37	+36 59.7	2.245	3.181	6.6	21.3
2 1	7 2.74	+37 11.8	2.272	3.153	9.4	21.4
2 11	6 55.06	+37 9.3	2.323	3.125	12.2	21.5
375384	2008 SE_{198}		1 10.6	61.°32	0.°1/10.5	18
12 3	7 50.82	+20 46.0	2.158	2.934	13.9	21.4
12 13	7 46.76	+21 4.2	2.071	2.937	10.9	21.2
12 23	7 40.39	+21 28.2	2.007	2.939	7.4	21.0
1 2	7 32.23	+21 55.6	1.969	2.941	3.5	20.8
1 12	7 23.16	+22 23.2	1.960	2.943	0.6	20.5
1 22	7 14.19	+22 48.3	1.981	2.945	4.7	20.8
2 1	7 6.35	+23 8.9	2.031	2.948	8.5	21.1
2 11	7 0.47	+23 24.5	2.106	2.950	11.8	21.3
277948	2006 QF_{144}		1 10.6	105.°74	0.°6/10.9	18
12 3	7 50.94	+16 23.8	2.807	3.558	11.6	20.6
12 13	7 46.15	+17 7.7	2.728	3.578	9.1	20.5
12 23	7 39.60	+17 59.3	2.673	3.598	6.2	20.3
1 2	7 31.74	+18 56.1	2.647	3.617	3.0	20.1
1 12	7 23.25	+19 55.0	2.653	3.636	0.7	19.9
1 22	7 14.86	+20 52.7	2.691	3.654	3.7	20.2
2 1	7 7.33	+21 46.6	2.760	3.672	6.7	20.4
2 11	7 1.28	+22 35.0	2.856	3.690	9.3	20.6
456996	2008 CO_{45}		1 10.6	292.°45	0.°6/10.4	18
12 3	7 52.01	+21 2.8	1.754	2.542	16.1	21.6
12 13	7 48.45	+21 32.7	1.661	2.533	12.8	21.4
12 23	7 41.99	+22 11.0	1.589	2.524	8.7	21.1
1 2	7 33.16	+22 54.4	1.542	2.515	4.2	20.8
1 12	7 22.99	+23 38.0	1.524	2.506	1.0	20.6
1 22	7 12.79	+24 17.4	1.533	2.498	5.7	20.9
2 1	7 3.93	+24 49.4	1.570	2.489	10.3	21.1
2 11	6 57.52	+25 13.1	1.631	2.481	14.3	21.3
323762	2005 OY_{28}		1 10.6	176.°08	2.°7/ 9.4	18
12 3	7 54.98	+26 15.0	2.171	2.946	13.9	21.1
12 13	7 50.23	+27 15.0	2.083	2.948	10.9	20.9
12 23	7 42.89	+28 19.4	2.019	2.949	7.5	20.7
1 2	7 33.48	+29 22.8	1.982	2.950	4.1	20.5
1 12	7 22.95	+30 19.7	1.975	2.951	2.9	20.4
1 22	7 12.44	+31 5.4	1.998	2.951	5.8	20.6
2 1	7 3.12	+31 38.0	2.050	2.950	9.3	20.8
2 11	6 55.96	+31 57.8	2.127	2.949	12.5	21.0
412790	2014 PZ_{20}		1 10.6	220.°78	1.°7/10.1	18
12 3	7 57.14	+25 3.7	1.993	2.767	14.9	22.4
12 13	7 52.16	+25 27.2	1.894	2.758	11.8	22.2
12 23	7 44.34	+25 54.3	1.818	2.749	8.1	22.0
1 2	7 34.22	+26 21.0	1.768	2.739	4.0	21.7
1 12	7 22.83	+26 42.8	1.747	2.728	1.9	21.5
1 22	7 11.43	+26 56.4	1.757	2.717	5.7	21.7
2 1	7 1.34	+27 0.8	1.795	2.705	9.8	22.0
2 11	6 53.63	+26 56.7	1.858	2.692	13.5	22.2
351262	2004 RT_{176}		1 10.6	113.°77	1.°0/10.8	18
12 3	7 57.91	+19 33.3	1.685	2.462	17.1	21.3
12 13	7 52.74	+19 23.1	1.612	2.476	13.6	21.1
12 23	7 44.61	+19 19.4	1.559	2.489	9.3	20.9
1 2	7 34.25	+19 20.2	1.531	2.502	4.6	20.6
1 12	7 22.85	+19 23.1	1.532	2.515	1.2	20.4
1 22	7 11.81	+19 26.1	1.562	2.527	5.6	20.7
2 1	7 2.43	+19 28.0	1.620	2.539	10.1	21.0
2 11	6 55.68	+19 28.5	1.702	2.550	13.9	21.3
218645	2005 SF_{54}		1 10.6	282.°19	6.°5/12.4	18
12 3	7 50.18	+ 5 31.2	1.947	2.688	16.3	20.8
12 13	7 46.59	+ 4 50.5	1.840	2.669	13.8	20.5
12 23	7 40.53	+ 4 23.8	1.754	2.650	10.8	20.3
1 2	7 32.42	+ 4 14.0	1.692	2.631	8.0	20.1
1 12	7 23.12	+ 4 22.7	1.657	2.611	6.5	20.0
1 22	7 13.69	+ 4 49.2	1.649	2.592	7.8	20.0
2 1	7 5.25	+ 5 30.7	1.667	2.572	10.8	20.1
2 11	6 58.81	+ 6 22.9	1.710	2.552	14.2	20.3

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
192	Nausikaa		1 10.6	64.°32	4.°1/ 9.8	18
	h m	° ′			°	m
12 3	8 2.05	+30 25.9	1.403	2.197	19.1	10.7
12 13	7 56.57	+30 55.1	1.352	2.225	15.1	10.5
12 23	7 47.39	+31 22.5	1.321	2.253	10.4	10.3
1 2	7 35.53	+31 40.8	1.315	2.282	5.9	10.1
1 12	7 22.67	+31 44.3	1.335	2.310	4.3	10.0
1 22	7 10.62	+31 31.2	1.382	2.337	7.6	10.3
2 1	7 0.97	+31 3.7	1.456	2.365	11.7	10.6
2 11	6 54.68	+30 26.4	1.552	2.393	15.4	11.0
348533	2005 UC_{141}		1 10.6	66.°09	5.°9/ 8.7	17
12 3	7 58.14	+30 13.2	1.344	2.148	19.3	20.2
12 13	7 54.23	+31 41.0	1.283	2.162	15.3	20.0
12 23	7 46.37	+33 11.6	1.243	2.175	10.9	19.7
1 2	7 35.32	+34 34.4	1.226	2.189	7.0	19.6
1 12	7 22.67	+35 38.8	1.236	2.203	6.2	19.6
1 22	7 10.40	+36 18.1	1.272	2.217	9.3	19.8
2 1	7 0.40	+36 32.1	1.332	2.231	13.4	20.0
2 11	6 53.97	+36 25.2	1.414	2.246	17.1	20.3
35076	Yataro		1 10.6	282.°91	7.°1/ 8.5	18
12 3	7 58.69	+38 49.1	1.869	2.646	15.7	18.1
12 13	7 54.00	+39 45.8	1.787	2.642	12.9	17.9
12 23	7 45.88	+40 36.8	1.727	2.638	10.0	17.7
1 2	7 35.01	+41 13.7	1.692	2.635	7.6	17.6
1 12	7 22.72	+41 29.5	1.684	2.631	7.3	17.6
1 22	7 10.64	+41 20.8	1.703	2.627	9.2	17.7
2 1	7 0.39	+40 48.9	1.748	2.623	12.1	17.8
2 11	6 53.15	+39 59.0	1.815	2.619	15.1	18.0
32234	Jesslihuang		1 10.6	286.°86	3.°7/11.4	18
12 3	7 53.00	+14 16.5	1.530	2.313	18.3	18.8
12 13	7 49.53	+13 46.2	1.436	2.300	14.9	18.5
12 23	7 42.91	+13 26.5	1.360	2.287	10.8	18.2
1 2	7 33.67	+13 18.2	1.309	2.274	6.3	18.0
1 12	7 22.94	+13 20.8	1.284	2.261	3.8	17.8
1 22	7 12.15	+13 32.8	1.285	2.248	6.9	17.9
2 1	7 2.81	+13 51.7	1.313	2.235	11.6	18.1
2 11	6 56.17	+14 14.7	1.363	2.222	16.0	18.4
334594	2002 TS_{233}		1 10.6	53.°51	0.°8/10.4	18
12 3	7 54.81	+25 13.2	1.988	2.768	14.8	20.3
12 13	7 49.86	+25 1.9	1.918	2.785	11.6	20.1
12 23	7 42.39	+24 51.4	1.870	2.803	7.8	20.0
1 2	7 33.11	+24 39.4	1.849	2.821	3.7	19.7
1 12	7 23.08	+24 23.8	1.856	2.839	1.1	19.6
1 22	7 13.44	+24 3.9	1.894	2.857	4.9	19.9
2 1	7 5.27	+23 40.0	1.959	2.875	8.8	20.2
2 11	6 59.34	+23 13.6	2.051	2.894	12.1	20.4
29177	1990 RF_{7}		1 10.6	55.°55	0.°0/10.5	18
12 3	7 50.90	+20 30.7	2.080	2.858	14.3	18.8
12 13	7 46.78	+20 47.7	2.007	2.874	11.2	18.6
12 23	7 40.33	+21 10.6	1.957	2.889	7.6	18.4
1 2	7 32.17	+21 36.8	1.933	2.905	3.6	18.2
1 12	7 23.22	+22 3.2	1.938	2.922	0.6	18.0
1 22	7 14.50	+22 27.1	1.973	2.938	4.6	18.3
2 1	7 7.01	+22 46.8	2.036	2.954	8.4	18.6
2 11	7 1.52	+23 1.5	2.125	2.971	11.6	18.8
495400	2014 QW_{331}		1 10.6	25.°77	3.°0/11.7	18
12 3	7 49.78	+12 34.1	1.593	2.375	17.8	20.7
12 13	7 46.63	+12 45.2	1.517	2.380	14.3	20.5
12 23	7 40.66	+13 11.6	1.460	2.386	10.2	20.3
1 2	7 32.47	+13 52.3	1.427	2.392	5.8	20.0
1 12	7 23.16	+14 44.2	1.421	2.399	3.0	19.9
1 22	7 14.00	+15 42.5	1.442	2.407	6.0	20.1
2 1	7 6.28	+16 42.2	1.490	2.415	10.3	20.3
2 11	7 1.00	+17 39.2	1.562	2.423	14.2	20.6
152203	2005 QD_{153}		1 10.6	109.°23	0.°8/10.4	18
12 3	7 59.95	+22 51.2	1.620	2.401	17.6	20.6
12 13	7 54.50	+23 7.0	1.552	2.420	13.8	20.4
12 23	7 45.88	+23 28.0	1.505	2.438	9.3	20.1
1 2	7 34.87	+23 49.9	1.484	2.456	4.4	19.9
1 12	7 22.79	+24 8.4	1.490	2.473	1.2	19.7
1 22	7 11.14	+24 20.3	1.526	2.490	5.9	20.1
2 1	7 1.33	+24 24.9	1.590	2.506	10.4	20.4
2 11	6 54.37	+24 23.0	1.677	2.521	14.3	20.6
323115	2003 AG_{16}		1 10.6	29.°83	0.°5/10.8	18
12 3	7 51.24	+16 1.5	1.653	2.437	17.1	20.0
12 13	7 47.84	+16 57.3	1.573	2.442	13.6	19.8
12 23	7 41.55	+18 8.2	1.513	2.446	9.3	19.6
1 2	7 32.94	+19 30.4	1.479	2.451	4.5	19.3
1 12	7 23.08	+20 57.5	1.473	2.456	0.8	19.0
1 22	7 13.28	+22 22.6	1.496	2.462	5.6	19.4
2 1	7 4.88	+23 39.7	1.546	2.468	10.3	19.7
2 11	6 58.96	+24 45.8	1.621	2.474	14.3	19.9

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
32338	2000 QS_{87}		1 10.6	22.°57	8.°6/15.4	18
	h m	° ′			°	m
12 3	7 46.79	− 5 57.8	2.293	2.973	15.7	18.7
12 13	7 43.35	− 6 25.5	2.208	2.976	13.8	18.6
12 23	7 37.95	− 6 32.8	2.142	2.980	11.7	18.4
1 2	7 31.06	− 6 16.5	2.098	2.983	9.8	18.3
1 12	7 23.40	− 5 35.6	2.080	2.987	8.7	18.3
1 22	7 15.82	− 4 31.9	2.088	2.991	9.0	18.3
2 1	7 9.16	− 3 9.5	2.122	2.995	10.4	18.4
2 11	7 4.11	− 1 34.7	2.182	3.000	12.4	18.5
32080	Sanashareef		1 10.6	199.°70	1.°4/10.9	18
12 3	7 56.56	+17 47.5	1.954	2.719	15.5	19.0
12 13	7 51.54	+17 42.8	1.859	2.716	12.4	18.8
12 23	7 43.81	+17 45.5	1.785	2.712	8.6	18.5
1 2	7 33.94	+17 54.1	1.738	2.707	4.4	18.3
1 12	7 22.93	+18 6.4	1.720	2.702	1.5	18.0
1 22	7 11.96	+18 20.1	1.732	2.696	5.3	18.3
2 1	7 2.28	+18 33.5	1.773	2.689	9.5	18.5
2 11	6 54.86	+18 45.5	1.839	2.681	13.3	18.7
34449	2000 SJ_{79}		1 10.6	195.°76	0.°4/10.8	18 R
12 3	7 49.44	+19 33.8	2.840	3.600	11.3	20.2
12 13	7 45.11	+19 45.4	2.742	3.599	8.9	20.1
12 23	7 38.99	+20 1.7	2.669	3.596	6.0	19.9
1 2	7 31.51	+20 21.2	2.623	3.594	2.9	19.7
1 12	7 23.34	+20 41.8	2.609	3.591	0.6	19.5
1 22	7 15.21	+21 1.8	2.625	3.589	3.7	19.7
2 1	7 7.88	+21 19.7	2.671	3.585	6.8	19.9
2 11	7 2.01	+21 34.7	2.745	3.582	9.6	20.1
17508	Takumadan		1 10.6	186.°17	1.°2/11.0	18
12 3	7 55.69	+17 11.5	2.128	2.887	14.6	19.6
12 13	7 50.60	+17 21.1	2.033	2.887	11.6	19.4
12 23	7 43.04	+17 38.8	1.961	2.887	8.0	19.1
1 2	7 33.54	+18 2.8	1.916	2.885	4.1	18.9
1 12	7 23.00	+18 30.5	1.901	2.883	1.3	18.7
1 22	7 12.52	+18 59.1	1.917	2.880	4.9	18.9
2 1	7 3.19	+19 26.2	1.961	2.877	8.8	19.2
2 11	6 55.92	+19 50.5	2.032	2.872	12.3	19.4
189714	2001 TL_{229}		1 10.6	161.°49	0.°9/11.2	17
12 3	7 45.46	+16 33.2	3.732	4.482	9.0	20.6
12 13	7 41.54	+16 47.5	3.637	4.485	7.1	20.5
12 23	7 36.34	+17 6.7	3.566	4.488	4.9	20.3
1 2	7 30.19	+17 29.8	3.524	4.491	2.5	20.2
1 12	7 23.57	+17 55.5	3.513	4.494	0.9	20.0
1 22	7 16.99	+18 22.2	3.534	4.497	2.9	20.2
2 1	7 10.97	+18 48.7	3.586	4.499	5.3	20.4
2 11	7 5.99	+19 13.8	3.666	4.502	7.4	20.5
131575	2001 VP_{86}		1 10.6	26.°56	3.°0/11.0	18
12 3	7 54.44	+16 34.6	2.132	2.893	14.5	18.4
12 13	7 49.39	+15 32.3	2.044	2.897	11.6	18.2
12 23	7 42.04	+14 33.7	1.980	2.900	8.3	18.0
1 2	7 32.97	+13 40.1	1.942	2.905	4.8	17.8
1 12	7 23.12	+12 52.5	1.934	2.909	3.1	17.7
1 22	7 13.49	+12 11.9	1.956	2.914	5.4	17.8
2 1	7 5.08	+11 38.8	2.007	2.918	8.9	18.0
2 11	6 58.68	+11 12.9	2.084	2.924	12.1	18.3
363095	2000 SU_{216}		1 10.6	78.°58	3.°1/ 9.5	18
12 3	7 58.43	+28 18.1	2.013	2.787	14.8	21.0
12 13	7 52.72	+29 10.3	1.958	2.821	11.6	20.8
12 23	7 44.35	+30 2.9	1.926	2.854	7.9	20.7
1 2	7 34.05	+30 50.3	1.921	2.887	4.4	20.5
1 12	7 22.95	+31 27.5	1.945	2.919	3.3	20.5
1 22	7 12.30	+31 51.3	2.000	2.951	6.0	20.7
2 1	7 3.22	+32 1.6	2.083	2.982	9.3	21.0
2 11	6 56.56	+32 0.4	2.191	3.012	12.2	21.2
301625	2010 EC_{21}		1 10.6	196.°39	1.°4/10.1	18
12 3	7 57.42	+23 52.8	2.048	2.819	14.7	21.8
12 13	7 52.25	+24 23.8	1.954	2.816	11.6	21.6
12 23	7 44.33	+24 59.5	1.882	2.813	7.9	21.4
1 2	7 34.21	+25 36.0	1.837	2.809	3.9	21.1
1 12	7 22.90	+26 8.6	1.822	2.803	1.6	21.0
1 22	7 11.62	+26 33.9	1.837	2.798	5.5	21.2
2 1	7 1.62	+26 50.0	1.882	2.791	9.5	21.4
2 11	6 53.92	+26 57.4	1.951	2.784	13.1	21.6
270929	2002 UQ_{39}		1 10.6	85.°74	4.°4/12.4	18
12 3	7 52.17	+ 7 22.7	2.537	3.262	13.3	21.3
12 13	7 47.05	+ 6 54.6	2.472	3.294	10.9	21.1
12 23	7 40.15	+ 6 37.5	2.429	3.324	8.2	21.0
1 2	7 31.99	+ 6 32.3	2.412	3.354	5.7	20.9
1 12	7 23.32	+ 6 38.5	2.425	3.384	4.4	20.9
1 22	7 14.92	+ 6 55.0	2.468	3.413	5.5	21.0
2 1	7 7.53	+ 7 19.4	2.541	3.441	7.7	21.2
2 11	7 1.73	+ 7 49.1	2.640	3.469	10.1	21.4

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
363156	2001 SK_{101}		1 10.6	158.°58	1.°9/11.3	18
	h m	° ′			°	m
12 3	7 53.50	+15 3.2	2.395	3.146	13.4	22.8
12 13	7 48.50	+15 3.7	2.306	3.154	10.7	22.6
12 23	7 41.39	+15 12.1	2.240	3.161	7.5	22.4
1 2	7 32.69	+15 27.6	2.202	3.167	4.1	22.2
1 12	7 23.20	+15 48.3	2.193	3.173	1.9	22.0
1 22	7 13.83	+16 12.1	2.216	3.177	4.5	22.2
2 1	7 5.47	+16 37.1	2.268	3.182	7.9	22.4
2 11	6 58.89	+17 1.6	2.347	3.185	10.9	22.7
193999	2001 RO_{153}		1 10.6	44.°28	0.°3/10.5	18
12 3	7 53.05	+23 45.3	2.060	2.839	14.4	20.2
12 13	7 48.48	+23 32.7	1.983	2.850	11.3	20.1
12 23	7 41.50	+23 22.0	1.929	2.862	7.6	19.9
1 2	7 32.75	+23 11.1	1.901	2.873	3.6	19.6
1 12	7 23.21	+22 58.3	1.902	2.885	0.7	19.4
1 22	7 13.97	+22 42.6	1.933	2.898	4.8	19.7
2 1	7 6.06	+22 24.1	1.993	2.910	8.6	20.0
2 11	7 0.27	+22 3.5	2.077	2.923	11.9	20.2
65378	2002 PD_{82}		1 10.6	42.°76	0.°7/10.4	18
12 3	7 52.29	+23 22.4	1.859	2.646	15.4	18.7
12 13	7 48.18	+23 30.5	1.789	2.660	12.1	18.5
12 23	7 41.45	+23 42.3	1.740	2.675	8.1	18.3
1 2	7 32.77	+23 54.8	1.717	2.689	3.8	18.1
1 12	7 23.22	+24 5.0	1.722	2.705	1.0	17.9
1 22	7 13.98	+24 10.5	1.756	2.720	5.2	18.2
2 1	7 6.18	+24 10.6	1.818	2.736	9.2	18.5
2 11	7 0.67	+24 5.7	1.904	2.752	12.6	18.7
450550	2006 DR_{109}		1 10.6	327.°61	2.°2/11.1	18
12 3	7 51.86	+16 55.0	1.395	2.192	19.1	21.3
12 13	7 48.92	+16 43.6	1.310	2.185	15.3	21.0
12 23	7 42.63	+16 42.9	1.244	2.178	10.8	20.7
1 2	7 33.60	+16 52.4	1.201	2.171	5.7	20.4
1 12	7 23.06	+17 9.5	1.184	2.165	2.3	20.2
1 22	7 12.57	+17 31.2	1.193	2.159	6.6	20.5
2 1	7 3.74	+17 54.5	1.227	2.154	11.8	20.7
2 11	6 57.82	+18 16.8	1.283	2.149	16.4	21.0
463682	2014 OQ_{187}		1 10.6	38.°86	3.°4/10.0	18
12 3	7 56.80	+29 48.8	1.452	2.252	18.3	20.3
12 13	7 52.49	+30 0.5	1.392	2.270	14.4	20.1
12 23	7 44.70	+30 10.5	1.354	2.289	10.0	19.9
1 2	7 34.37	+30 13.4	1.339	2.308	5.4	19.7
1 12	7 22.99	+30 4.5	1.350	2.327	3.6	19.6
1 22	7 12.23	+29 42.5	1.389	2.348	7.0	19.9
2 1	7 3.59	+29 9.3	1.453	2.368	11.3	20.2
2 11	6 58.04	+28 28.5	1.541	2.390	15.1	20.5
3514	Hooke		1 10.6	79.°91	1.°1/10.1	18
12 3	7 48.44	+25 28.0	3.154	3.921	10.1	17.8
12 13	7 44.11	+25 47.3	3.077	3.937	7.9	17.7
12 23	7 38.19	+26 7.9	3.024	3.954	5.3	17.5
1 2	7 31.11	+26 27.4	3.000	3.971	2.6	17.4
1 12	7 23.52	+26 43.8	3.007	3.987	1.3	17.3
1 22	7 16.07	+26 55.6	3.045	4.004	3.6	17.5
2 1	7 9.43	+27 2.1	3.113	4.020	6.2	17.7
2 11	7 4.15	+27 3.4	3.208	4.036	8.5	17.8
427226	2014 WX_{43}		1 10.6	335.°57	1.°6/10.0	18
12 3	7 51.80	+23 18.4	1.789	2.579	15.8	20.8
12 13	7 48.23	+23 56.8	1.702	2.576	12.4	20.6
12 23	7 41.82	+24 41.9	1.637	2.573	8.5	20.3
1 2	7 33.11	+25 29.4	1.597	2.570	4.1	20.0
1 12	7 23.17	+26 13.9	1.586	2.567	1.8	19.9
1 22	7 13.28	+26 50.9	1.602	2.564	5.9	20.1
2 1	7 4.75	+27 18.0	1.646	2.562	10.2	20.4
2 11	6 58.65	+27 34.9	1.714	2.560	13.9	20.6
484995	2009 VZ_{14}		1 10.6	143.°48	2.°7/ 9.9	18
12 3	7 58.34	+26 16.7	1.426	2.223	18.7	22.2
12 13	7 54.11	+26 48.1	1.349	2.226	14.8	21.9
12 23	7 46.18	+27 23.6	1.292	2.228	10.2	21.7
1 2	7 35.28	+27 57.2	1.259	2.230	5.3	21.4
1 12	7 22.83	+28 22.2	1.253	2.233	3.0	21.2
1 22	7 10.62	+28 34.2	1.274	2.234	7.3	21.5
2 1	7 0.41	+28 32.5	1.321	2.236	12.2	21.8
2 11	6 53.48	+28 19.5	1.390	2.238	16.4	22.0
123239	2000 UQ_{58}		1 10.6	52.°80	2.°3/ 9.9	18
12 3	7 54.96	+26 50.8	1.708	2.499	16.4	19.7
12 13	7 50.58	+27 12.4	1.641	2.514	12.8	19.5
12 23	7 43.23	+27 35.5	1.596	2.530	8.8	19.3
1 2	7 33.66	+27 55.7	1.576	2.547	4.5	19.1
1 12	7 23.11	+28 8.4	1.584	2.564	2.5	19.0
1 22	7 12.96	+28 11.2	1.620	2.580	6.1	19.3
2 1	7 4.50	+28 3.9	1.684	2.598	10.1	19.6
2 11	6 58.66	+27 48.4	1.771	2.615	13.7	19.8

327317 2005 UA_{35} 1 10.6 300.°64 5.°9/ 8.2 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 55.33	+34 19.5	1.897	2.682	15.2	21.2
12 13	7 51.25	+35 33.4	1.814	2.678	12.3	21.0
12 23	7 44.03	+36 46.6	1.753	2.674	9.1	20.8
1 2	7 34.22	+37 51.1	1.718	2.671	6.5	20.6
1 12	7 22.99	+38 39.4	1.711	2.667	6.2	20.6
1 22	7 11.80	+39 6.7	1.732	2.664	8.4	20.7
2 1	7 2.15	+39 12.3	1.779	2.661	11.6	20.9
2 11	6 55.21	+38 59.3	1.848	2.658	14.6	21.1

7366 Agata 1 10.6 64.°12 2.°6/ 9.6 18

12 3	7 52.41	+27 47.3	2.189	2.969	13.6	17.1
12 13	7 48.04	+28 25.9	2.115	2.983	10.6	17.0
12 23	7 41.27	+29 5.8	2.065	2.996	7.3	16.8
1 2	7 32.70	+29 42.6	2.042	3.010	4.0	16.6
1 12	7 23.27	+30 12.0	2.048	3.024	2.8	16.6
1 22	7 14.07	+30 31.4	2.084	3.038	5.5	16.8
2 1	7 6.12	+30 39.8	2.148	3.052	8.7	17.0
2 11	7 0.25	+30 38.4	2.237	3.066	11.7	17.2

146072 2000 GR_{90} 1 10.6 255.°18 1.°4/10.1 18

12 3	7 54.73	+23 49.7	2.206	2.977	13.8	20.9
12 13	7 50.17	+24 23.2	2.093	2.956	10.9	20.6
12 23	7 43.01	+25 2.1	2.004	2.935	7.5	20.4
1 2	7 33.70	+25 42.8	1.941	2.912	3.7	20.1
1 12	7 23.08	+26 20.8	1.908	2.889	1.6	19.9
1 22	7 12.28	+26 52.3	1.906	2.866	5.3	20.1
2 1	7 2.49	+27 15.1	1.933	2.842	9.3	20.3
2 11	6 54.76	+27 28.9	1.985	2.817	12.9	20.5

419841 2010 XB_{85} 1 10.6 54.°16 6.°0/12.0 18

12 3	7 53.32	+ 9 11.6	1.664	2.424	18.0	20.7
12 13	7 49.02	+ 8 10.0	1.596	2.440	14.7	20.5
12 23	7 42.05	+ 7 21.3	1.548	2.456	11.1	20.3
1 2	7 33.08	+ 6 48.5	1.524	2.472	7.7	20.1
1 12	7 23.22	+ 6 32.5	1.527	2.489	6.0	20.1
1 22	7 13.70	+ 6 32.9	1.557	2.506	7.6	20.2
2 1	7 5.67	+ 6 47.0	1.614	2.523	10.8	20.4
2 11	7 0.00	+ 7 11.0	1.694	2.540	14.1	20.7

161104 2002 PF_{174} 1 10.6 61.°94 2.°9/11.8 18

12 3	7 49.90	+12 4.2	2.069	2.830	14.9	20.2
12 13	7 45.98	+12 6.7	1.992	2.842	12.0	20.0
12 23	7 39.83	+12 20.9	1.936	2.855	8.6	19.8
1 2	7 32.02	+12 46.1	1.907	2.868	5.0	19.6
1 12	7 23.40	+13 20.4	1.905	2.881	2.9	19.5
1 22	7 14.96	+14 0.8	1.933	2.894	5.1	19.7
2 1	7 7.65	+14 44.1	1.989	2.908	8.5	19.9
2 11	7 2.23	+15 27.5	2.071	2.921	11.7	20.1

131957 2002 CG_{39} 1 10.6 254.°65 0.°8/10.8 18

12 3	7 54.84	+19 35.7	1.688	2.470	16.9	20.4
12 13	7 50.75	+19 32.7	1.593	2.461	13.5	20.1
12 23	7 43.63	+19 36.9	1.520	2.452	9.3	19.9
1 2	7 34.03	+19 46.3	1.471	2.443	4.6	19.6
1 12	7 23.06	+19 58.2	1.451	2.433	1.0	19.3
1 22	7 12.10	+20 9.9	1.458	2.424	5.8	19.6
2 1	7 2.59	+20 19.4	1.493	2.414	10.6	19.9
2 11	6 55.65	+20 26.2	1.552	2.404	14.8	20.1

265728 2005 UY_{420} 1 10.6 24.°65 1.°9/ 9.9 18

12 3	7 52.28	+24 28.9	1.742	2.535	16.0	20.4
12 13	7 48.62	+25 6.4	1.663	2.538	12.6	20.2
12 23	7 42.06	+25 49.1	1.606	2.542	8.6	19.9
1 2	7 33.22	+26 32.3	1.574	2.545	4.3	19.7
1 12	7 23.20	+27 10.9	1.569	2.550	2.2	19.6
1 22	7 13.34	+27 40.6	1.593	2.554	6.0	19.8
2 1	7 4.96	+27 59.5	1.644	2.559	10.2	20.1
2 11	6 59.08	+28 8.0	1.719	2.564	13.9	20.3

216843 2006 XE_{53} 1 10.6 94.°94 4.°4/ 8.7 18

12 3	7 58.28	+30 5.3	1.986	2.762	14.9	20.1
12 13	7 53.00	+31 27.0	1.922	2.785	11.8	20.0
12 23	7 44.84	+32 49.8	1.881	2.807	8.3	19.8
1 2	7 34.47	+34 6.1	1.868	2.829	5.2	19.6
1 12	7 23.01	+35 8.9	1.885	2.851	4.6	19.7
1 22	7 11.81	+35 53.9	1.931	2.872	7.0	19.8
2 1	7 2.15	+36 20.0	2.005	2.892	10.2	20.1
2 11	6 55.01	+36 29.5	2.103	2.913	13.1	20.3

458245 2010 TD_{51} 1 10.6 64.°55 2.°1/11.3 18

12 3	7 52.44	+15 24.3	1.694	2.472	17.0	21.7
12 13	7 48.56	+15 29.6	1.618	2.481	13.5	21.5
12 23	7 41.90	+15 46.4	1.562	2.490	9.5	21.3
1 2	7 33.10	+16 13.0	1.532	2.500	5.0	21.0
1 12	7 23.25	+16 46.7	1.528	2.509	2.1	20.9
1 22	7 13.61	+17 23.7	1.554	2.519	5.6	21.1
2 1	7 5.40	+18 0.8	1.606	2.528	9.9	21.4
2 11	6 59.60	+18 35.4	1.683	2.538	13.7	21.6

4349 Tibúrcio 1 10.6 67.°94 2.°2/ 9.8 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 56.46	+23 24.4	1.661	2.448	16.9	15.7
12 13	7 51.77	+24 28.7	1.603	2.474	13.2	15.6
12 23	7 44.08	+25 39.5	1.567	2.501	8.9	15.4
1 2	7 34.11	+26 50.3	1.556	2.527	4.4	15.2
1 12	7 23.11	+27 54.3	1.574	2.554	2.4	15.1
1 22	7 12.50	+28 46.2	1.621	2.580	6.2	15.4
2 1	7 3.60	+29 23.7	1.695	2.606	10.3	15.7
2 11	6 57.39	+29 47.6	1.794	2.631	13.8	16.0

35275 1996 RB_{25} 1 10.6 186.°61 1.°1/10.3 18

12 3	7 57.34	+23 42.1	2.064	2.834	14.6	20.6
12 13	7 52.12	+24 4.1	1.972	2.834	11.5	20.3
12 23	7 44.22	+24 30.1	1.903	2.834	7.9	20.1
1 2	7 34.21	+24 56.6	1.861	2.832	3.8	19.9
1 12	7 23.08	+25 19.7	1.848	2.830	1.4	19.7
1 22	7 12.04	+25 36.4	1.866	2.827	5.3	19.9
2 1	7 2.30	+25 45.3	1.913	2.824	9.3	20.2
2 11	6 54.82	+25 46.9	1.985	2.819	12.8	20.4

362630 2011 SY_{128} 1 10.6 31.°87 5.°5/ 9.2 18

12 3	7 54.94	+30 36.4	1.226	2.042	20.1	20.6
12 13	7 51.93	+31 36.5	1.169	2.055	16.0	20.4
12 23	7 44.90	+32 37.1	1.132	2.068	11.3	20.1
1 2	7 34.69	+33 29.0	1.117	2.083	6.9	20.0
1 12	7 23.02	+34 3.2	1.127	2.098	5.8	19.9
1 22	7 11.88	+34 15.0	1.162	2.114	9.1	20.2
2 1	7 3.14	+34 5.4	1.221	2.131	13.4	20.5
2 11	6 58.00	+33 39.1	1.300	2.149	17.3	20.7

228038 2008 GE_{79} 1 10.6 137.°79 2.°8/ 9.4 18

12 3	7 55.86	+29 12.8	2.618	3.381	12.0	21.9
12 13	7 50.36	+29 56.9	2.539	3.396	9.5	21.7
12 23	7 42.68	+30 41.1	2.485	3.410	6.6	21.5
1 2	7 33.36	+31 21.3	2.459	3.423	3.8	21.4
1 12	7 23.24	+31 53.4	2.464	3.436	2.9	21.3
1 22	7 13.28	+32 14.9	2.500	3.448	5.1	21.5
2 1	7 4.43	+32 25.1	2.565	3.459	8.0	21.7
2 11	6 57.43	+32 25.1	2.657	3.470	10.6	21.9

56181 1999 FU_{29} 1 10.6 313.°26 1.°9/11.3 18

12 3	7 49.88	+15 23.1	1.695	2.478	16.8	18.6
12 13	7 46.85	+15 35.5	1.599	2.466	13.5	18.4
12 23	7 41.00	+16 0.5	1.523	2.453	9.5	18.1
1 2	7 32.82	+16 36.9	1.472	2.441	5.0	17.8
1 12	7 23.31	+17 21.6	1.448	2.430	1.9	17.6
1 22	7 13.71	+18 10.5	1.452	2.418	5.7	17.8
2 1	7 5.37	+18 59.3	1.483	2.407	10.4	18.0
2 11	6 59.41	+19 44.8	1.538	2.397	14.5	18.3

460266 2014 QM_{313} 1 10.6 53.°87 0.°0/10.7 16

12 3	7 55.02	+19 42.5	1.484	2.276	18.4	21.6
12 13	7 50.79	+20 6.4	1.428	2.302	14.4	21.4
12 23	7 43.45	+20 39.4	1.392	2.328	9.7	21.2
1 2	7 33.81	+21 17.5	1.381	2.354	4.6	21.0
1 12	7 23.20	+21 55.8	1.397	2.380	0.7	20.7
1 22	7 13.08	+22 30.0	1.441	2.407	5.8	21.2
2 1	7 4.80	+22 57.6	1.511	2.433	10.4	21.5
2 11	6 59.28	+23 17.9	1.605	2.460	14.2	21.8

203554 2002 CD_{90} 1 10.6 347.°94 1.°3/10.3 18

12 3	7 51.71	+23 31.8	1.270	2.085	19.6	20.2
12 13	7 49.28	+23 46.4	1.191	2.078	15.6	19.9
12 23	7 43.15	+24 7.7	1.132	2.073	10.7	19.6
1 2	7 33.97	+24 31.4	1.095	2.069	5.2	19.3
1 12	7 23.14	+24 52.0	1.083	2.065	1.7	19.1
1 22	7 12.46	+25 5.1	1.096	2.063	7.1	19.4
2 1	7 3.72	+25 9.1	1.134	2.061	12.5	19.7
2 11	6 58.28	+25 4.6	1.193	2.060	17.3	20.0

166853 2002 WZ_{10} 1 10.6 74.°96 0.°4/10.8 18

12 3	7 50.44	+18 14.0	2.256	3.026	13.5	19.9
12 13	7 46.33	+18 45.1	2.177	3.038	10.7	19.7
12 23	7 40.06	+19 24.2	2.120	3.050	7.3	19.5
1 2	7 32.16	+20 8.5	2.091	3.062	3.5	19.3
1 12	7 23.46	+20 54.6	2.091	3.074	0.6	19.1
1 22	7 14.90	+21 39.3	2.122	3.086	4.4	19.4
2 1	7 7.39	+22 19.7	2.181	3.098	7.9	19.6
2 11	7 1.71	+22 54.5	2.267	3.110	11.1	19.8

523186 2016 UG_5 1 10.6 230.°03 18.°8/14.0 18 R

12 3	7 54.91	−10 33.0	1.243	1.944	25.7	21.9
12 13	7 51.61	−13 12.4	1.176	1.941	23.6	21.7
12 23	7 44.69	−15 24.3	1.123	1.938	21.5	21.5
1 2	7 34.74	−16 55.0	1.086	1.935	19.7	21.4
1 12	7 23.03	−17 33.9	1.068	1.931	18.9	21.3
1 22	7 11.28	−17 17.0	1.068	1.927	19.2	21.3
2 1	7 1.27	−16 8.3	1.087	1.924	20.7	21.4
2 11	6 54.43	−14 19.7	1.122	1.919	22.8	21.6

458371 2010 WO_3 1 10.6 27.°68 0.°7/10.8 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 52.77	+19 56.9	1.681	2.468	16.7	21.4
12 13	7 48.95	+19 54.7	1.600	2.471	13.2	21.2
12 23	7 42.26	+19 59.4	1.541	2.475	9.1	20.9
1 2	7 33.33	+20 8.8	1.507	2.479	4.4	20.7
1 12	7 23.29	+20 20.3	1.500	2.483	0.9	20.4
1 22	7 13.44	+20 31.1	1.521	2.487	5.5	20.7
2 1	7 5.09	+20 39.9	1.570	2.492	10.0	21.0
2 11	6 59.24	+20 45.7	1.642	2.497	14.0	21.3

197801 2004 PR_{65} 1 10.6 175.°06 4.°3/ 9.3 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	8 1.65	+32 10.2	2.044	2.812	14.8	21.7
12 13	7 55.75	+32 56.2	1.959	2.816	11.8	21.5
12 23	7 46.82	+33 40.9	1.896	2.819	8.5	21.3
1 2	7 35.50	+34 18.0	1.861	2.821	5.4	21.1
1 12	7 22.94	+34 41.6	1.855	2.822	4.5	21.1
1 22	7 10.56	+34 48.3	1.878	2.822	7.0	21.2
2 1	6 59.73	+34 38.3	1.930	2.821	10.3	21.4
2 11	6 51.53	+34 14.8	2.007	2.820	13.5	21.6

507315 2011 QF_{40} 1 10.6 155.°26 2.°1/11.7 17

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 48.51	+13 17.9	2.980	3.724	11.1	21.9
12 13	7 44.24	+13 14.9	2.887	3.729	8.9	21.8
12 23	7 38.36	+13 19.1	2.818	3.734	6.4	21.6
1 2	7 31.29	+13 30.1	2.777	3.738	3.7	21.4
1 12	7 23.62	+13 46.7	2.767	3.743	2.1	21.3
1 22	7 16.03	+14 7.5	2.787	3.747	3.9	21.5
2 1	7 9.18	+14 31.0	2.837	3.750	6.5	21.6
2 11	7 3.65	+14 55.5	2.915	3.753	9.0	21.8

50371 2000 CT_{84} 1 10.6 162.°00 2.°0/11.6 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 50.03	+13 28.3	2.459	3.212	13.0	18.7
12 13	7 45.85	+13 44.4	2.367	3.215	10.4	18.6
12 23	7 39.68	+14 10.4	2.297	3.217	7.4	18.4
1 2	7 31.99	+14 45.1	2.255	3.219	4.1	18.2
1 12	7 23.51	+15 26.3	2.243	3.222	2.0	18.0
1 22	7 15.07	+16 11.1	2.261	3.223	4.3	18.2
2 1	7 7.54	+16 56.9	2.309	3.225	7.6	18.4
2 11	7 1.64	+17 41.0	2.383	3.226	10.6	18.6

437596 2014 BZ_1 1 10.6 338.°87 1.°1/11.2 17

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 48.12	+16 10.6	2.548	3.310	12.4	21.3
12 13	7 44.35	+16 34.1	2.453	3.309	9.8	21.1
12 23	7 38.66	+17 5.9	2.382	3.308	6.8	20.9
1 2	7 31.51	+17 44.2	2.338	3.307	3.5	20.7
1 12	7 23.58	+18 26.7	2.324	3.306	1.1	20.5
1 22	7 15.68	+19 10.5	2.341	3.306	4.0	20.7
2 1	7 8.62	+19 52.9	2.387	3.305	7.3	20.9
2 11	7 3.12	+20 32.1	2.460	3.304	10.3	21.1

290741 2005 UZ_{466} 1 10.6 115.°03 0.°9/10.4 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 54.88	+24 4.7	2.028	2.804	14.6	21.2
12 13	7 50.10	+24 13.3	1.946	2.812	11.5	21.0
12 23	7 42.77	+24 24.8	1.887	2.820	7.8	20.8
1 2	7 33.49	+24 36.1	1.855	2.827	3.7	20.5
1 12	7 23.28	+24 44.2	1.852	2.834	1.2	20.4
1 22	7 13.29	+24 47.0	1.878	2.841	5.1	20.7
2 1	7 4.65	+24 43.7	1.933	2.848	8.9	20.9
2 11	6 58.23	+24 35.3	2.013	2.854	12.4	21.1

454965 2015 TF_{203} 1 10.6 69.°16 1.°1/10.9 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 58.16	+18 39.2	1.410	2.199	19.4	21.8
12 13	7 53.32	+18 40.7	1.354	2.224	15.2	21.6
12 23	7 45.20	+18 51.7	1.317	2.250	10.4	21.4
1 2	7 34.65	+19 9.4	1.305	2.276	5.1	21.2
1 12	7 23.12	+19 30.0	1.319	2.302	1.2	21.0
1 22	7 12.16	+19 50.0	1.362	2.328	6.0	21.4
2 1	7 3.20	+20 7.3	1.430	2.353	10.8	21.7
2 11	6 57.20	+20 21.1	1.522	2.378	14.8	22.0

402572 2006 RB_{47} 1 10.6 119.°21 2.°5/11.6 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 55.09	+13 27.8	2.183	2.933	14.5	22.4
12 13	7 49.84	+13 28.2	2.108	2.953	11.6	22.3
12 23	7 42.35	+13 38.4	2.055	2.972	8.2	22.1
1 2	7 33.22	+13 57.5	2.028	2.991	4.6	21.9
1 12	7 23.34	+14 23.4	2.032	3.009	2.5	21.8
1 22	7 13.68	+14 53.7	2.066	3.027	4.9	22.0
2 1	7 5.22	+15 25.8	2.129	3.044	8.3	22.2
2 11	6 58.69	+15 57.7	2.219	3.060	11.4	22.5

216981 2000 QD_{22} 1 10.6 46.°11 0.°5/10.8 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 53.76	+19 54.7	1.552	2.344	17.7	20.1
12 13	7 49.69	+19 58.7	1.493	2.366	13.9	19.9
12 23	7 42.66	+20 10.2	1.454	2.388	9.4	19.7
1 2	7 33.45	+20 26.7	1.439	2.411	4.5	19.5
1 12	7 23.32	+20 44.6	1.452	2.435	0.8	19.3
1 22	7 13.64	+21 1.0	1.492	2.459	5.6	19.7
2 1	7 5.69	+21 14.2	1.560	2.483	10.0	20.0
2 11	7 0.36	+21 23.4	1.651	2.507	13.8	20.3

50125 2000 AB_{124} 1 10.6 24.°72 3.°0/11.4 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 51.69	+14 53.6	1.164	1.972	21.5	18.9
12 13	7 49.16	+14 45.8	1.098	1.978	17.2	18.6
12 23	7 42.96	+14 53.7	1.049	1.984	12.2	18.3
1 2	7 33.83	+15 16.6	1.022	1.991	6.6	18.0
1 12	7 23.24	+15 51.1	1.019	1.999	3.0	17.9
1 22	7 12.94	+16 32.4	1.041	2.008	7.2	18.1
2 1	7 4.66	+17 15.4	1.086	2.017	12.5	18.4
2 11	6 59.64	+17 56.1	1.154	2.028	17.2	18.8

91461 1999 RQ_{71} 1 10.6 114.°51 1.°3/11.1 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 52.08	+16 40.8	2.177	2.942	14.1	20.5
12 13	7 47.66	+16 53.6	2.095	2.952	11.2	20.4
12 23	7 41.00	+17 14.6	2.036	2.962	7.7	20.2
1 2	7 32.64	+17 42.3	2.003	2.972	3.9	19.9
1 12	7 23.44	+18 13.9	1.999	2.981	1.3	19.8
1 22	7 14.38	+18 46.7	2.026	2.990	4.6	20.0
2 1	7 6.45	+19 18.2	2.081	2.999	8.2	20.2
2 11	7 0.42	+19 46.8	2.163	3.008	11.5	20.5

424775 2008 TQ_{101} 1 10.6 49.°99 5.°0/12.4 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 50.53	+ 8 32.4	1.873	2.628	16.4	21.2
12 13	7 46.60	+ 8 4.0	1.805	2.647	13.4	21.1
12 23	7 40.31	+ 7 49.6	1.758	2.666	10.0	20.9
1 2	7 32.29	+ 7 50.3	1.736	2.686	6.7	20.7
1 12	7 23.50	+ 8 5.5	1.741	2.706	5.0	20.7
1 22	7 14.99	+ 8 33.0	1.774	2.726	6.4	20.8
2 1	7 7.75	+ 9 9.5	1.834	2.747	9.5	21.0
2 11	7 2.56	+ 9 51.2	1.919	2.767	12.6	21.3

246656 2008 YA_{41} 1 10.6 353.°55 0.°7/10.8 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 53.42	+21 45.5	2.175	2.947	13.9	20.2
12 13	7 48.76	+21 14.5	2.083	2.945	11.0	20.0
12 23	7 41.76	+20 45.2	2.014	2.944	7.5	19.8
1 2	7 33.00	+20 17.0	1.972	2.943	3.7	19.6
1 12	7 23.39	+19 48.8	1.960	2.943	0.9	19.3
1 22	7 13.96	+19 20.7	1.978	2.942	4.6	19.6
2 1	7 5.73	+18 52.9	2.024	2.942	8.4	19.9
2 11	6 59.49	+18 26.0	2.097	2.942	11.8	20.1

85315 1995 BE 1 10.6 340.°31 1.°6/11.2 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 47.05	+16 13.9	1.351	2.158	19.1	19.1
12 13	7 45.35	+16 28.5	1.263	2.144	15.3	18.8
12 23	7 40.39	+16 58.0	1.195	2.132	10.7	18.5
1 2	7 32.69	+17 41.0	1.149	2.121	5.5	18.2
1 12	7 23.41	+18 33.3	1.128	2.110	1.7	17.9
1 22	7 14.05	+19 29.3	1.133	2.101	6.5	18.2
2 1	7 6.25	+20 23.6	1.163	2.094	11.8	18.5
2 11	7 1.31	+21 12.2	1.214	2.087	16.6	18.7

400162 2006 VM_{85} 1 10.6 71.°93 0.°4/10.8 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 54.92	+19 1.5	1.709	2.489	16.8	21.1
12 13	7 50.39	+19 21.4	1.644	2.511	13.2	20.9
12 23	7 43.05	+19 49.9	1.601	2.533	9.0	20.7
1 2	7 33.64	+20 23.7	1.583	2.554	4.3	20.5
1 12	7 23.30	+20 58.8	1.593	2.576	0.7	20.3
1 22	7 13.31	+21 31.5	1.632	2.597	5.3	20.7
2 1	7 4.90	+21 59.4	1.699	2.619	9.6	21.0
2 11	6 58.96	+22 21.5	1.790	2.640	13.3	21.2

199865 2007 ED_{133} 1 10.6 269.°68 2.°1/11.2 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 53.96	+16 8.4	1.490	2.277	18.6	20.9
12 13	7 50.44	+16 6.6	1.400	2.269	14.9	20.6
12 23	7 43.66	+16 16.6	1.330	2.261	10.5	20.4
1 2	7 34.19	+16 37.6	1.284	2.253	5.6	20.1
1 12	7 23.18	+17 6.6	1.264	2.245	2.2	19.8
1 22	7 12.16	+17 39.9	1.271	2.237	6.4	20.1
2 1	7 2.68	+18 13.8	1.304	2.229	11.5	20.3
2 11	6 56.02	+18 45.6	1.361	2.221	16.0	20.6

74547 1999 JE_{63} 1 10.7 268.°19 2.°8/11.3 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 54.28	+15 38.0	1.713	2.488	17.0	19.6
12 13	7 50.35	+15 17.9	1.610	2.471	13.8	19.4
12 23	7 43.44	+15 6.8	1.527	2.453	9.8	19.1
1 2	7 34.05	+15 4.6	1.469	2.436	5.5	18.8
1 12	7 23.21	+15 10.3	1.438	2.418	2.8	18.6
1 22	7 12.24	+15 22.1	1.436	2.399	6.2	18.8
2 1	7 2.55	+15 37.7	1.461	2.381	10.8	19.0
2 11	6 55.33	+15 55.4	1.509	2.362	15.1	19.2

283944 2004 PS_{62} 1 10.7 90.°28 1.°3/10.2 17

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 59.23	+22 49.1	1.592	2.376	17.7	21.3
12 13	7 54.03	+23 24.1	1.530	2.400	13.8	21.1
12 23	7 45.67	+24 5.2	1.489	2.423	9.4	20.9
1 2	7 34.92	+24 47.3	1.474	2.446	4.5	20.7
1 12	7 23.12	+25 24.8	1.487	2.469	1.6	20.5
1 22	7 11.78	+25 53.7	1.529	2.491	6.0	20.9
2 1	7 2.29	+26 12.3	1.598	2.513	10.4	21.2
2 11	6 55.64	+26 21.5	1.691	2.534	14.2	21.5

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
360234	2000 BF_{41}		1 10.7	56.°22	1.°2/11.0	17
	h m	° ′			°	m
12 3	7 56.60	+17 13.7	1.426	2.213	19.2	20.3
12 13	7 51.99	+17 31.6	1.375	2.245	15.1	20.1
12 23	7 44.23	+18 0.8	1.345	2.277	10.3	19.9
1 2	7 34.19	+18 38.2	1.338	2.310	5.0	19.7
1 12	7 23.25	+19 18.8	1.359	2.342	1.3	19.5
1 22	7 12.90	+19 58.1	1.408	2.374	5.8	19.9
2 1	7 4.48	+20 33.1	1.483	2.406	10.4	20.2
2 11	6 58.90	+21 2.2	1.582	2.438	14.3	20.5
455741	2005 JL_{31}		1 10.7	235.°21	5.°9/ 7.3	17
12 3	7 55.63	+39 6.1	2.706	3.465	11.8	21.2
12 13	7 50.77	+40 22.1	2.613	3.455	9.7	21.0
12 23	7 43.37	+41 35.0	2.544	3.445	7.6	20.9
1 2	7 33.91	+42 38.3	2.503	3.434	6.1	20.7
1 12	7 23.25	+43 26.3	2.490	3.424	6.1	20.7
1 22	7 12.50	+43 55.4	2.507	3.412	7.6	20.8
2 1	7 2.80	+44 5.0	2.552	3.401	9.7	20.9
2 11	6 55.15	+43 57.4	2.620	3.389	11.9	21.1
290134	2005 QB_{154}		1 10.7	221.°15	0.°8/10.3	18
12 3	7 53.54	+21 32.7	2.122	2.895	14.2	20.9
12 13	7 49.18	+22 10.4	2.025	2.889	11.2	20.7
12 23	7 42.30	+22 55.2	1.951	2.882	7.6	20.5
1 2	7 33.39	+23 43.5	1.903	2.875	3.6	20.2
1 12	7 23.34	+24 31.1	1.886	2.868	1.1	20.0
1 22	7 13.25	+25 13.8	1.898	2.860	5.1	20.3
2 1	7 4.27	+25 48.9	1.939	2.852	9.0	20.5
2 11	6 57.36	+26 15.6	2.006	2.844	12.5	20.7
461832	2006 BR_{263}		1 10.7	15.°49	1.°3/10.2	18
12 3	7 52.24	+24 1.0	1.991	2.774	14.6	21.6
12 13	7 48.24	+24 25.2	1.905	2.775	11.5	21.4
12 23	7 41.65	+24 53.6	1.842	2.776	7.8	21.2
1 2	7 33.05	+25 22.7	1.805	2.777	3.8	21.0
1 12	7 23.41	+25 48.5	1.796	2.778	1.5	20.8
1 22	7 13.89	+26 7.9	1.817	2.779	5.3	21.0
2 1	7 5.64	+26 19.6	1.865	2.780	9.2	21.3
2 11	6 59.58	+26 23.6	1.938	2.781	12.7	21.5
139300	2001 KC_{13}		1 10.7	104.°25	2.°7/ 9.5	18
12 3	7 57.86	+26 16.7	2.071	2.843	14.5	20.4
12 13	7 52.41	+27 16.6	2.004	2.867	11.4	20.2
12 23	7 44.32	+28 19.6	1.961	2.890	7.8	20.0
1 2	7 34.25	+29 20.0	1.945	2.913	4.1	19.8
1 12	7 23.24	+30 12.2	1.959	2.935	2.9	19.8
1 22	7 12.49	+30 52.2	2.003	2.956	5.8	20.0
2 1	7 3.17	+31 18.6	2.076	2.977	9.2	20.3
2 11	6 56.15	+31 32.7	2.174	2.997	12.3	20.5
419115	2009 SU_{198}		1 10.7	1.°66	9.°9/ 8.5	18
12 3	7 54.41	+41 46.5	1.367	2.171	19.1	19.9
12 13	7 51.96	+42 52.3	1.302	2.168	16.0	19.7
12 23	7 45.22	+43 47.9	1.255	2.167	12.8	19.5
1 2	7 35.01	+44 22.2	1.230	2.167	10.4	19.4
1 12	7 23.11	+44 26.0	1.229	2.169	10.1	19.4
1 22	7 11.69	+43 56.2	1.251	2.173	12.0	19.5
2 1	7 2.78	+42 56.4	1.295	2.177	15.0	19.7
2 11	6 57.71	+41 35.0	1.360	2.184	18.1	19.9
151939	2004 FC_{64}		1 10.7	211.°74	1.°7/11.2	18
12 3	7 55.91	+16 29.8	1.710	2.483	17.1	20.6
12 13	7 51.53	+16 35.6	1.617	2.478	13.7	20.4
12 23	7 44.16	+16 52.0	1.545	2.473	9.6	20.1
1 2	7 34.36	+17 17.5	1.498	2.467	5.0	19.9
1 12	7 23.20	+17 49.1	1.479	2.461	1.7	19.6
1 22	7 12.03	+18 23.0	1.489	2.454	5.8	19.9
2 1	7 2.26	+18 56.2	1.527	2.447	10.5	20.1
2 11	6 55.02	+19 26.5	1.589	2.439	14.6	20.4
92656	2000 QU_{39}		1 10.7	87.°24	3.°1/11.7	18
12 3	7 54.75	+12 42.9	1.577	2.349	18.3	19.7
12 13	7 50.49	+12 46.7	1.507	2.365	14.7	19.5
12 23	7 43.29	+13 5.0	1.457	2.380	10.4	19.3
1 2	7 33.84	+13 36.9	1.431	2.395	5.9	19.0
1 12	7 23.30	+14 19.3	1.432	2.410	3.1	18.9
1 22	7 13.05	+15 7.8	1.461	2.425	6.1	19.1
2 1	7 4.40	+15 58.0	1.518	2.440	10.4	19.4
2 11	6 58.32	+16 46.3	1.599	2.454	14.3	19.7
171936	2001 SH_{226}		1 10.7	156.°46	0.°7/10.4	18
12 3	7 51.17	+23 3.4	2.799	3.563	11.3	21.1
12 13	7 46.54	+23 23.1	2.709	3.568	8.9	20.9
12 23	7 40.05	+23 45.8	2.644	3.573	6.0	20.7
1 2	7 32.16	+24 9.2	2.607	3.578	2.9	20.5
1 12	7 23.58	+24 30.8	2.600	3.582	0.9	20.4
1 22	7 15.09	+24 48.7	2.625	3.586	3.9	20.6
2 1	7 7.48	+25 1.6	2.679	3.590	6.9	20.8
2 11	7 1.41	+25 9.4	2.761	3.593	9.7	21.0

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
25168	1998 SC_{65}		1 10.7	135.°14	0.°2/10.7	18
	h m	° ′			°	m
12 3	7 54.80	+19 44.6	1.985	2.757	15.1	19.7
12 13	7 50.09	+20 2.7	1.903	2.765	11.9	19.5
12 23	7 42.82	+20 27.8	1.844	2.774	8.1	19.3
1 2	7 33.58	+20 57.3	1.811	2.782	3.9	19.1
1 12	7 23.36	+21 27.6	1.807	2.790	0.6	18.8
1 22	7 13.30	+21 55.7	1.832	2.797	4.9	19.2
2 1	7 4.54	+22 19.3	1.887	2.804	9.0	19.4
2 11	6 57.98	+22 37.8	1.967	2.810	12.5	19.7
2128	Wetherill		1 10.7	96.°74	6.°8/ 8.7	18
12 3	8 6.31	+42 42.3	2.357	3.101	13.7	19.4
12 13	7 58.95	+43 38.7	2.305	3.133	11.4	19.3
12 23	7 48.65	+44 25.5	2.275	3.165	9.0	19.2
1 2	7 36.22	+44 55.7	2.273	3.195	7.2	19.1
1 12	7 22.97	+45 4.3	2.299	3.225	6.9	19.2
1 22	7 10.32	+44 50.2	2.353	3.254	8.2	19.3
2 1	6 59.53	+44 15.8	2.436	3.283	10.2	19.5
2 11	6 51.49	+43 26.4	2.542	3.310	12.3	19.7
369395	2009 VZ_{82}		1 10.7	136.°71	2.°5/11.4	18
12 3	7 53.75	+14 48.8	2.352	3.103	13.6	21.5
12 13	7 48.71	+14 23.9	2.267	3.113	10.9	21.3
12 23	7 41.58	+14 5.9	2.205	3.123	7.7	21.1
1 2	7 32.90	+13 54.6	2.170	3.132	4.4	21.0
1 12	7 23.48	+13 49.6	2.164	3.141	2.5	20.8
1 22	7 14.25	+13 49.6	2.189	3.149	4.8	21.0
2 1	7 6.08	+13 53.7	2.244	3.157	8.0	21.2
2 11	6 59.70	+14 0.5	2.325	3.165	11.0	21.4
239378	2007 RC_{313}		1 10.7	160.°35	0.°1/10.7	18
12 3	7 56.81	+19 59.5	1.994	2.762	15.2	21.6
12 13	7 51.69	+20 17.5	1.908	2.768	12.0	21.4
12 23	7 43.94	+20 42.4	1.845	2.774	8.2	21.2
1 2	7 34.13	+21 11.3	1.808	2.780	3.9	21.0
1 12	7 23.28	+21 40.7	1.801	2.784	0.6	20.7
1 22	7 12.57	+22 7.4	1.824	2.788	5.0	21.1
2 1	7 3.17	+22 29.3	1.876	2.792	9.1	21.3
2 11	6 56.03	+22 45.9	1.954	2.794	12.7	21.5
113631	2002 TB_{71}		1 10.7	56.°28	1.°8/11.1	18
12 3	7 51.84	+17 32.0	2.154	2.921	14.2	19.5
12 13	7 47.48	+17 9.4	2.070	2.928	11.2	19.3
12 23	7 40.88	+16 52.6	2.008	2.935	7.8	19.1
1 2	7 32.61	+16 41.0	1.974	2.941	4.1	18.9
1 12	7 23.53	+16 33.8	1.968	2.948	1.8	18.7
1 22	7 14.65	+16 29.8	1.992	2.955	4.7	19.0
2 1	7 6.91	+16 28.1	2.044	2.962	8.3	19.2
2 11	7 1.10	+16 27.9	2.123	2.969	11.6	19.4
451714	2013 CO_{147}		1 10.7	14.°49	1.°6/10.3	18
12 3	7 51.59	+23 28.9	1.167	1.988	20.6	20.7
12 13	7 49.35	+23 52.6	1.101	1.992	16.3	20.5
12 23	7 43.25	+24 23.9	1.053	1.996	11.1	20.2
1 2	7 34.05	+24 57.6	1.028	2.002	5.4	19.9
1 12	7 23.30	+25 27.4	1.026	2.008	2.0	19.7
1 22	7 12.88	+25 48.2	1.050	2.016	7.3	20.1
2 1	7 4.63	+25 57.9	1.097	2.025	12.7	20.4
2 11	6 59.80	+25 57.5	1.165	2.035	17.4	20.7
417231	2005 YT_{57}		1 10.7	59.°86	0.°4/10.6	18
12 3	7 53.86	+22 17.7	1.817	2.600	15.8	21.6
12 13	7 49.52	+22 24.5	1.745	2.614	12.4	21.4
12 23	7 42.48	+22 35.9	1.694	2.628	8.4	21.2
1 2	7 33.42	+22 49.2	1.670	2.642	4.0	21.0
1 12	7 23.42	+23 1.1	1.673	2.656	0.8	20.8
1 22	7 13.74	+23 9.3	1.706	2.671	5.2	21.1
2 1	7 5.53	+23 12.7	1.766	2.685	9.3	21.4
2 11	6 59.69	+23 11.6	1.851	2.700	12.9	21.7
55916	1998 FM_{25}		1 10.7	235.°50	4.°8/ 8.7	18
12 3	7 56.46	+38 52.9	2.975	3.728	11.0	19.4
12 13	7 50.96	+39 25.5	2.875	3.715	9.0	19.2
12 23	7 43.21	+39 53.0	2.799	3.703	6.9	19.1
1 2	7 33.74	+40 10.7	2.750	3.690	5.2	19.0
1 12	7 23.37	+40 15.0	2.731	3.677	4.9	18.9
1 22	7 13.08	+40 4.0	2.742	3.663	6.3	19.0
2 1	7 3.84	+39 38.2	2.782	3.649	8.4	19.1
2 11	6 56.47	+39 0.0	2.847	3.635	10.6	19.2
88197	2000 YY_{68}		1 10.7	238.°38	9.°4/15.3	18
12 3	7 55.33	− 3 29.7	1.309	2.038	23.4	19.5
12 13	7 51.94	− 3 10.1	1.220	2.034	20.3	19.3
12 23	7 45.00	− 2 13.0	1.147	2.028	16.5	19.0
1 2	7 35.00	− 0 32.5	1.094	2.023	12.4	18.8
1 12	7 23.13	+ 1 50.7	1.065	2.017	9.6	18.6
1 22	7 11.04	+ 4 47.5	1.063	2.011	10.3	18.6
2 1	7 0.52	+ 8 2.5	1.087	2.005	14.0	18.8
2 11	6 53.08	+11 18.5	1.137	1.999	18.3	19.0

425063 2009 RQ_{10} 1 10.7 102.°15 2.°4/11.6 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 52.99	+14 4.7	2.123	2.881	14.6	22.1
12 13	7 48.34	+14 2.3	2.047	2.898	11.7	21.9
12 23	7 41.44	+14 9.4	1.993	2.914	8.2	21.7
1 2	7 32.87	+14 25.2	1.965	2.930	4.6	21.5
1 12	7 23.52	+14 47.8	1.967	2.945	2.4	21.4
1 22	7 14.39	+15 14.8	1.998	2.960	4.9	21.6
2 1	7 6.43	+15 43.9	2.059	2.975	8.4	21.8
2 11	7 0.41	+16 12.8	2.145	2.990	11.5	22.0

183573 2003 QH_{46} 1 10.7 197.°86 0.°6/10.5 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 56.62	+22 24.1	2.006	2.777	14.9	21.6
12 13	7 51.69	+22 41.1	1.912	2.775	11.8	21.3
12 23	7 44.04	+23 3.1	1.841	2.772	8.1	21.1
1 2	7 34.25	+23 27.1	1.796	2.768	3.9	20.8
1 12	7 23.30	+23 49.2	1.781	2.763	0.9	20.6
1 22	7 12.40	+24 6.5	1.795	2.758	5.2	20.9
2 1	7 2.79	+24 17.5	1.838	2.753	9.4	21.1
2 11	6 55.46	+24 22.2	1.907	2.746	13.0	21.4

145926 1999 VP_{216} 1 10.7 168.°84 0.°5/10.8 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 59.48	+20 13.4	1.810	2.579	16.4	20.6
12 13	7 54.06	+20 15.3	1.724	2.584	13.0	20.4
12 23	7 45.70	+20 23.5	1.659	2.589	8.9	20.2
1 2	7 35.03	+20 35.4	1.621	2.592	4.3	19.9
1 12	7 23.18	+20 47.8	1.612	2.595	0.8	19.6
1 22	7 11.51	+20 58.3	1.632	2.596	5.5	20.0
2 1	7 1.35	+21 5.4	1.681	2.597	9.9	20.2
2 11	6 53.74	+21 9.0	1.755	2.598	13.8	20.5

463226 2012 DV_{82} 1 10.7 233.°91 3.°7/ 9.2 17

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 56.03	+30 54.1	2.281	3.053	13.3	22.1
12 13	7 51.20	+31 38.5	2.181	3.042	10.7	21.9
12 23	7 43.72	+32 23.1	2.105	3.030	7.6	21.7
1 2	7 34.12	+33 3.0	2.056	3.018	4.7	21.5
1 12	7 23.31	+33 32.8	2.036	3.006	3.9	21.4
1 22	7 12.48	+33 49.2	2.046	2.992	6.3	21.5
2 1	7 2.81	+33 51.3	2.085	2.979	9.5	21.7
2 11	6 55.32	+33 40.8	2.149	2.965	12.6	21.9

435811 2008 WN_{1} 1 10.7 18.°70 17.°2/ 1.1 17

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	8 2.66	+41 36.2	0.978	1.797	23.9	20.0
12 13	8 1.75	+46 1.7	0.931	1.799	20.6	19.8
12 23	7 54.50	+50 26.4	0.903	1.802	18.1	19.7
1 2	7 40.70	+54 20.4	0.898	1.805	17.2	19.7
1 12	7 22.16	+57 15.1	0.915	1.808	18.4	19.7
1 22	7 2.76	+58 56.1	0.952	1.813	20.9	19.9
2 1	6 47.23	+59 27.4	1.005	1.818	23.8	20.1
2 11	6 38.78	+59 6.4	1.071	1.823	26.4	20.3

329836 2004 SJ_{18} 1 10.7 88.°57 3.°4/ 9.3 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 55.54	+28 39.5	2.055	2.834	14.4	20.5
12 13	7 50.75	+29 36.7	1.986	2.851	11.3	20.4
12 23	7 43.30	+30 35.3	1.940	2.869	7.9	20.2
1 2	7 33.83	+31 29.6	1.921	2.886	4.5	20.0
1 12	7 23.39	+32 14.1	1.931	2.904	3.6	20.0
1 22	7 13.19	+32 45.1	1.971	2.920	6.2	20.2
2 1	7 4.39	+33 1.7	2.039	2.937	9.5	20.4
2 11	6 57.90	+33 5.4	2.131	2.954	12.5	20.6

384945 2012 TA_{125} 1 10.7 196.°13 0.°1/10.6 17

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 50.65	+21 1.2	2.742	3.505	11.6	21.9
12 13	7 46.22	+21 17.4	2.645	3.503	9.1	21.7
12 23	7 39.91	+21 37.8	2.572	3.501	6.2	21.6
1 2	7 32.15	+22 0.6	2.527	3.498	2.9	21.3
1 12	7 23.65	+22 23.4	2.512	3.495	0.5	21.1
1 22	7 15.18	+22 44.1	2.528	3.492	3.9	21.4
2 1	7 7.56	+23 1.3	2.575	3.488	7.1	21.6
2 11	7 1.47	+23 14.4	2.648	3.485	9.9	21.8

466490 2013 WK_{11} 1 10.7 177.°16 1.°8/ 9.7 17

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 52.50	+26 24.0	2.918	3.680	10.9	21.9
12 13	7 47.63	+27 4.0	2.824	3.682	8.6	21.8
12 23	7 40.85	+27 46.1	2.756	3.684	5.9	21.6
1 2	7 32.60	+28 26.8	2.716	3.685	3.1	21.4
1 12	7 23.59	+29 3.0	2.708	3.685	2.0	21.3
1 22	7 14.60	+29 31.9	2.731	3.685	4.3	21.5
2 1	7 6.47	+29 52.4	2.784	3.685	7.1	21.7
2 11	6 59.88	+30 4.6	2.864	3.684	9.7	21.9

76642 2000 HD_{21} 1 10.7 100.°96 3.°4/ 9.2 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 53.17	+30 1.7	2.349	3.124	12.9	19.3
12 13	7 48.68	+30 53.4	2.269	3.132	10.2	19.1
12 23	7 41.81	+31 45.6	2.213	3.140	7.2	18.9
1 2	7 33.12	+32 33.3	2.185	3.148	4.3	18.8
1 12	7 23.51	+33 11.8	2.186	3.156	3.6	18.7
1 22	7 14.01	+33 38.1	2.217	3.163	5.8	18.9
2 1	7 5.69	+33 51.1	2.276	3.171	8.8	19.1
2 11	6 59.37	+33 52.1	2.360	3.178	11.6	19.3

222887 2002 GS_{91} 1 10.7 0.°15 5.°3/12.4 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 46.86	+ 9 20.8	1.474	2.258	18.9	19.7
12 13	7 44.67	+ 9 0.5	1.395	2.255	15.5	19.4
12 23	7 39.60	+ 8 57.4	1.334	2.254	11.6	19.2
1 2	7 32.23	+ 9 13.1	1.296	2.253	7.6	19.0
1 12	7 23.64	+ 9 46.9	1.283	2.254	5.3	18.8
1 22	7 15.14	+10 35.4	1.295	2.255	7.3	19.0
2 1	7 8.07	+11 33.4	1.333	2.258	11.2	19.2
2 11	7 3.49	+12 35.2	1.394	2.262	15.2	19.4

365702 2010 VZ_{128} 1 10.7 102.°46 2.°2/11.4 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 54.89	+14 54.7	2.007	2.767	15.3	21.6
12 13	7 49.92	+14 51.9	1.934	2.787	12.2	21.4
12 23	7 42.55	+14 58.6	1.884	2.806	8.5	21.2
1 2	7 33.41	+15 13.6	1.860	2.825	4.7	21.0
1 12	7 23.47	+15 34.7	1.865	2.844	2.2	20.9
1 22	7 13.81	+15 59.5	1.899	2.862	5.0	21.1
2 1	7 5.44	+16 25.7	1.963	2.880	8.7	21.4
2 11	6 59.17	+16 51.3	2.052	2.897	12.0	21.6

40691 1999 RH_{227} 1 10.7 165.°09 3.°5/11.8 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 55.52	+11 33.2	2.313	3.052	14.1	19.9
12 13	7 50.18	+11 10.3	2.223	3.059	11.5	19.8
12 23	7 42.65	+10 56.6	2.155	3.065	8.4	19.6
1 2	7 33.47	+10 52.6	2.114	3.070	5.2	19.4
1 12	7 23.46	+10 57.6	2.103	3.074	3.5	19.3
1 22	7 13.57	+11 10.3	2.123	3.078	5.3	19.4
2 1	7 4.74	+11 29.0	2.172	3.080	8.4	19.6
2 11	6 57.75	+11 51.5	2.247	3.082	11.5	19.8

168395 1998 BQ_{18} 1 10.7 226.°98 2.°2/11.5 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 54.24	+14 2.3	2.117	2.873	14.8	20.6
12 13	7 49.69	+14 10.0	2.012	2.861	11.9	20.4
12 23	7 42.66	+14 28.4	1.928	2.849	8.5	20.2
1 2	7 33.63	+14 56.8	1.871	2.836	4.7	19.9
1 12	7 23.43	+15 32.7	1.843	2.823	2.3	19.7
1 22	7 13.14	+16 13.4	1.846	2.808	5.1	19.9
2 1	7 3.86	+16 55.5	1.877	2.794	9.1	20.1
2 11	6 56.57	+17 36.6	1.935	2.778	12.7	20.3

26348 1998 XO_{94} 1 10.7 86.°50 7.°0/12.5 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 53.83	+ 5 31.8	1.839	2.577	17.3	17.6
12 13	7 49.28	+ 4 27.5	1.765	2.591	14.4	17.4
12 23	7 42.23	+ 3 37.5	1.712	2.604	11.3	17.2
1 2	7 33.31	+ 3 5.1	1.683	2.617	8.4	17.1
1 12	7 23.52	+ 2 52.0	1.681	2.631	7.0	17.0
1 22	7 13.96	+ 2 57.6	1.707	2.644	8.1	17.1
2 1	7 5.73	+ 3 19.4	1.759	2.657	10.8	17.3
2 11	6 59.67	+ 3 52.9	1.835	2.669	13.7	17.5

464263 2015 FE_{53} 1 10.7 341.°93 4.°4/12.4 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 48.52	+ 8 46.2	2.008	2.763	15.5	21.3
12 13	7 45.17	+ 8 34.9	1.917	2.760	12.7	21.1
12 23	7 39.53	+ 8 37.3	1.846	2.756	9.5	20.9
1 2	7 32.09	+ 8 54.3	1.800	2.753	6.3	20.7
1 12	7 23.69	+ 9 25.2	1.782	2.750	4.4	20.5
1 22	7 15.32	+10 7.5	1.792	2.748	6.0	20.6
2 1	7 8.00	+10 57.5	1.830	2.746	9.3	20.8
2 11	7 2.58	+11 51.3	1.893	2.744	12.6	21.0

413530 2005 SQ_{85} 1 10.7 55.°51 3.°0/ 9.7 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 54.85	+28 12.9	1.869	2.655	15.4	21.1
12 13	7 50.60	+28 47.5	1.787	2.656	12.1	20.9
12 23	7 43.44	+29 23.6	1.726	2.658	8.4	20.7
1 2	7 34.01	+29 56.3	1.690	2.659	4.6	20.5
1 12	7 23.40	+30 20.3	1.684	2.660	3.2	20.4
1 22	7 12.94	+30 32.4	1.705	2.661	6.3	20.6
2 1	7 3.96	+30 31.7	1.754	2.662	10.2	20.8
2 11	6 57.47	+30 20.1	1.828	2.663	13.6	21.0

189645 2001 OQ_{85} 1 10.7 145.°84 1.°2/10.9 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 59.14	+19 3.6	1.809	2.577	16.5	20.9
12 13	7 53.67	+18 51.4	1.728	2.587	13.1	20.7
12 23	7 45.35	+18 45.4	1.669	2.597	9.0	20.5
1 2	7 34.84	+18 44.0	1.635	2.605	4.5	20.2
1 12	7 23.29	+18 45.1	1.631	2.613	1.3	20.0
1 22	7 12.00	+18 46.7	1.656	2.621	5.4	20.3
2 1	7 2.24	+18 47.9	1.710	2.627	9.7	20.6
2 11	6 54.98	+18 48.2	1.789	2.633	13.5	20.8

429929 2012 TD_{253} 1 10.7 188.°63 0.°5/10.5 17

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 51.28	+23 8.3	2.818	3.582	11.3	22.2
12 13	7 46.66	+23 16.2	2.722	3.581	8.9	22.0
12 23	7 40.17	+23 26.6	2.651	3.580	6.0	21.9
1 2	7 32.28	+23 37.4	2.607	3.579	2.9	21.6
1 12	7 23.68	+23 46.7	2.594	3.577	0.7	21.5
1 22	7 15.17	+23 52.8	2.613	3.575	3.8	21.7
2 1	7 7.51	+23 55.1	2.661	3.573	6.9	21.9
2 11	7 1.39	+23 53.4	2.736	3.570	9.7	22.1

302890 2003 OE_6 1 10.7 108.°56 2.°7/11.4 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 55.98	+15 29.7	1.738	2.508	17.0	21.0
12 13	7 51.22	+15 9.8	1.662	2.520	13.6	20.8
12 23	7 43.69	+14 59.3	1.607	2.531	9.6	20.6
1 2	7 34.05	+14 57.5	1.577	2.543	5.3	20.4
1 12	7 23.42	+15 3.2	1.575	2.554	2.7	20.2
1 22	7 13.05	+15 14.2	1.602	2.565	5.7	20.4
2 1	7 4.18	+15 28.5	1.657	2.576	9.9	20.7
2 11	6 57.74	+15 44.3	1.736	2.586	13.6	20.9

52818 1998 QH_{103} 1 10.7 109.°18 4.°9/ 9.2 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	8 0.91	+33 45.9	1.985	2.756	15.1	19.5
12 13	7 55.12	+34 36.6	1.918	2.776	12.0	19.4
12 23	7 46.33	+35 24.2	1.875	2.795	8.7	19.2
1 2	7 35.29	+36 2.0	1.858	2.814	5.8	19.1
1 12	7 23.23	+36 24.3	1.870	2.832	5.1	19.0
1 22	7 11.57	+36 28.3	1.910	2.849	7.2	19.2
2 1	7 1.61	+36 15.1	1.979	2.866	10.3	19.4
2 11	6 54.33	+35 48.3	2.072	2.883	13.2	19.6

15285 1991 RW_{18} 1 10.7 88.°52 0.°8/10.9 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 52.05	+19 15.3	2.292	3.059	13.4	18.8
12 13	7 47.53	+19 10.5	2.211	3.071	10.6	18.6
12 23	7 40.87	+19 10.9	2.154	3.082	7.2	18.4
1 2	7 32.63	+19 15.0	2.123	3.093	3.6	18.2
1 12	7 23.65	+19 21.1	2.122	3.104	0.9	18.0
1 22	7 14.86	+19 27.5	2.151	3.115	4.3	18.3
2 1	7 7.18	+19 33.1	2.209	3.126	7.8	18.6
2 11	7 1.33	+19 37.3	2.293	3.137	10.9	18.8

340574 2006 MG_{12} 1 10.7 130.°51 0.°0/10.6 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 52.75	+21 58.6	3.004	3.759	10.8	22.1
12 13	7 47.51	+21 56.4	2.921	3.774	8.5	22.0
12 23	7 40.57	+21 56.4	2.862	3.789	5.7	21.8
1 2	7 32.41	+21 57.2	2.832	3.803	2.7	21.6
1 12	7 23.69	+21 57.2	2.833	3.816	0.4	21.5
1 22	7 15.15	+21 55.5	2.867	3.830	3.5	21.7
2 1	7 7.50	+21 51.6	2.931	3.842	6.4	21.9
2 11	7 1.31	+21 45.4	3.022	3.855	8.9	22.1

62810 2000 UH_{42} 1 10.7 127.°67 2.°5/ 9.7 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 54.51	+26 57.6	2.121	2.899	14.0	19.6
12 13	7 49.92	+27 39.2	2.040	2.905	11.1	19.5
12 23	7 42.76	+28 23.4	1.981	2.912	7.6	19.3
1 2	7 33.63	+29 5.4	1.950	2.918	4.1	19.0
1 12	7 23.49	+29 40.5	1.948	2.925	2.7	19.0
1 22	7 13.49	+30 5.3	1.975	2.931	5.6	19.2
2 1	7 4.77	+30 18.7	2.031	2.936	9.1	19.4
2 11	6 58.22	+30 21.5	2.112	2.942	12.3	19.6

355282 2007 RV_{70} 1 10.7 347.°37 2.°0/11.3 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 52.54	+15 20.7	1.544	2.329	18.1	20.8
12 13	7 49.14	+15 31.3	1.460	2.327	14.5	20.6
12 23	7 42.68	+15 55.3	1.396	2.326	10.2	20.3
1 2	7 33.74	+16 31.0	1.356	2.326	5.4	20.0
1 12	7 23.46	+17 15.1	1.344	2.325	2.1	19.8
1 22	7 13.25	+18 2.8	1.358	2.324	6.0	20.1
2 1	7 4.53	+18 49.8	1.399	2.324	10.8	20.3
2 11	6 58.45	+19 33.0	1.464	2.324	15.1	20.6

27351 2000 DO_{73} 1 10.7 95.°38 2.°2/10.1 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	8 2.65	+25 48.7	1.644	2.423	17.4	18.4
12 13	7 56.60	+26 18.7	1.585	2.451	13.7	18.2
12 23	7 47.36	+26 51.3	1.548	2.479	9.3	18.0
1 2	7 35.76	+27 20.9	1.536	2.506	4.6	17.8
1 12	7 23.19	+27 42.3	1.553	2.532	2.4	17.7
1 22	7 11.20	+27 52.6	1.599	2.558	6.2	18.0
2 1	7 1.16	+27 51.7	1.672	2.583	10.4	18.3
2 11	6 54.04	+27 41.8	1.771	2.607	14.0	18.6

66338 1999 JV_{63} 1 10.7 198.°62 2.°3/11.5 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 54.77	+14 31.8	1.977	2.737	15.5	20.5
12 13	7 50.19	+14 33.4	1.882	2.734	12.5	20.3
12 23	7 43.02	+14 45.4	1.809	2.731	8.8	20.1
1 2	7 33.80	+15 6.9	1.762	2.727	4.9	19.8
1 12	7 23.46	+15 35.7	1.743	2.723	2.3	19.6
1 22	7 13.14	+16 9.1	1.755	2.718	5.3	19.8
2 1	7 4.00	+16 44.0	1.795	2.712	9.3	20.1
2 11	6 57.00	+17 18.0	1.860	2.706	13.0	20.3

306274 2011 SM_7 1 10.7 99.°80 2.°6/11.5 17

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 57.52	+14 19.7	1.785	2.546	16.9	21.4
12 13	7 52.21	+14 15.0	1.718	2.570	13.5	21.2
12 23	7 44.22	+14 21.2	1.672	2.594	9.5	21.0
1 2	7 34.25	+14 37.2	1.652	2.617	5.2	20.8
1 12	7 23.42	+15 0.5	1.661	2.640	2.6	20.7
1 22	7 12.96	+15 28.3	1.699	2.662	5.5	20.9
2 1	7 4.02	+15 57.8	1.766	2.683	9.5	21.2
2 11	6 57.47	+16 26.7	1.857	2.704	13.0	21.5

492034 2013 GY_{76} 1 10.7 215.°54 2.°3/ 9.9 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 56.65	+26 18.7	2.046	2.821	14.6	22.0
12 13	7 51.85	+26 52.8	1.950	2.815	11.5	21.8
12 23	7 44.26	+27 30.3	1.877	2.808	8.0	21.6
1 2	7 34.44	+28 6.4	1.830	2.800	4.1	21.3
1 12	7 23.38	+28 36.4	1.813	2.792	2.5	21.2
1 22	7 12.32	+28 56.6	1.826	2.783	5.8	21.4
2 1	7 2.54	+29 5.6	1.867	2.774	9.7	21.6
2 11	6 55.07	+29 4.5	1.933	2.764	13.2	21.8

131518 2001 TW_{120} 1 10.7 96.°02 4.°8/12.2 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 51.18	+ 7 36.0	2.531	3.259	13.3	19.7
12 13	7 46.52	+ 6 48.8	2.451	3.273	11.0	19.5
12 23	7 40.03	+ 6 11.5	2.393	3.287	8.4	19.4
1 2	7 32.21	+ 5 45.6	2.361	3.301	6.0	19.2
1 12	7 23.76	+ 5 31.8	2.359	3.314	4.8	19.2
1 22	7 15.48	+ 5 29.6	2.386	3.328	5.8	19.3
2 1	7 8.14	+ 5 37.8	2.443	3.341	8.1	19.4
2 11	7 2.37	+ 5 53.8	2.525	3.354	10.6	19.6

49433 1998 YS 1 10.7 345.°01 1.°0/10.3 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 50.19	+22 39.7	1.917	2.704	15.0	18.7
12 13	7 46.82	+23 5.4	1.827	2.700	11.8	18.5
12 23	7 40.84	+23 37.0	1.760	2.695	8.0	18.2
1 2	7 32.80	+24 11.1	1.719	2.692	3.9	18.0
1 12	7 23.65	+24 43.7	1.706	2.688	1.2	17.8
1 22	7 14.56	+25 11.2	1.721	2.685	5.3	18.1
2 1	7 6.70	+25 31.6	1.764	2.683	9.4	18.3
2 11	7 1.03	+25 44.4	1.832	2.681	13.0	18.5

171412 2006 RS_{35} 1 10.7 22.°95 0.°2/10.6 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 56.22	+23 54.2	1.572	2.363	17.5	19.7
12 13	7 51.93	+23 32.5	1.493	2.366	13.9	19.4
12 23	7 44.45	+23 12.6	1.434	2.369	9.5	19.2
1 2	7 34.51	+22 52.2	1.400	2.373	4.5	18.9
1 12	7 23.40	+22 29.3	1.394	2.377	0.7	18.6
1 22	7 12.61	+22 3.1	1.416	2.381	5.9	19.0
2 1	7 3.57	+21 34.3	1.464	2.386	10.6	19.3
2 11	6 57.33	+21 4.4	1.536	2.391	14.8	19.5

430510 2001 WQ_{15} 1 10.7 346.°89 20.°6/29.4 16

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	8 1.85	+46 48.6	0.904	1.725	25.3	20.2
12 13	8 2.63	+51 26.5	0.860	1.720	22.7	20.0
12 23	7 56.34	+55 57.2	0.834	1.716	21.0	19.9
1 2	7 42.22	+59 48.9	0.828	1.713	20.7	19.9
1 12	7 22.02	+62 31.8	0.840	1.710	22.0	20.0
1 22	7 0.54	+63 52.0	0.869	1.708	24.3	20.1
2 1	6 43.90	+63 55.7	0.911	1.708	26.9	20.3
2 11	6 36.04	+63 3.5	0.964	1.708	29.3	20.5

328412 2008 SK_{94} 1 10.7 153.°46 5.°0/12.9 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 50.51	+ 4 33.8	2.606	3.321	13.2	21.7
12 13	7 46.05	+ 4 14.0	2.516	3.328	11.0	21.5
12 23	7 39.77	+ 4 6.6	2.449	3.335	8.6	21.3
1 2	7 32.12	+ 4 13.1	2.408	3.341	6.3	21.2
1 12	7 23.79	+ 4 33.1	2.395	3.347	5.0	21.1
1 22	7 15.53	+ 5 5.4	2.413	3.352	5.9	21.2
2 1	7 8.13	+ 5 47.2	2.459	3.357	8.1	21.3
2 11	7 2.22	+ 6 35.2	2.532	3.362	10.5	21.5

379111 2008 YU_{60} 1 10.7 14.°13 2.°1/10.5 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 56.95	+29 58.4	1.639	2.431	16.9	19.7
12 13	7 52.33	+29 24.1	1.564	2.437	13.4	19.5
12 23	7 44.56	+28 45.0	1.510	2.444	9.2	19.3
1 2	7 34.49	+27 58.1	1.482	2.452	4.7	19.0
1 12	7 23.44	+27 2.2	1.481	2.461	2.2	18.9
1 22	7 12.92	+25 58.2	1.509	2.472	6.0	19.1
2 1	7 4.26	+24 49.6	1.564	2.483	10.3	19.4
2 11	6 58.40	+23 40.4	1.643	2.495	14.1	19.7

217422 2005 QC_{170} 1 10.7 137.°85 2.°8/11.3 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 55.48	+15 40.7	2.064	2.823	15.0	20.1
12 13	7 50.43	+15 1.1	1.978	2.829	12.0	19.9
12 23	7 42.97	+14 27.8	1.914	2.834	8.5	19.7
1 2	7 33.69	+14 1.0	1.876	2.840	4.9	19.4
1 12	7 23.55	+13 40.8	1.868	2.845	2.9	19.3
1 22	7 13.60	+13 26.7	1.890	2.850	5.4	19.5
2 1	7 4.89	+13 18.1	1.941	2.855	9.0	19.7
2 11	6 58.25	+13 13.9	2.017	2.859	12.3	19.9

466042 2011 KM_{26} 1 10.7 130.°41 3.°1/11.8 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 50.51	+12 4.2	2.475	3.222	13.1	21.8
12 13	7 46.17	+11 44.2	2.386	3.228	10.6	21.6
12 23	7 39.91	+11 32.7	2.321	3.233	7.7	21.4
1 2	7 32.20	+11 30.0	2.282	3.239	4.7	21.3
1 12	7 23.78	+11 35.5	2.272	3.245	3.1	21.2
1 22	7 15.47	+11 48.0	2.293	3.250	4.8	21.3
2 1	7 8.09	+12 5.7	2.343	3.255	7.7	21.5
2 11	7 2.32	+12 26.7	2.419	3.260	10.5	21.7

341433 2007 TW_{230} 1 10.7 154.°91 0.°6/10.9 17

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 50.61	+18 32.0	3.062	3.814	10.7	22.7
12 13	7 45.91	+18 44.9	2.971	3.822	8.4	22.6
12 23	7 39.56	+19 2.6	2.905	3.829	5.8	22.4
1 2	7 31.99	+19 23.6	2.867	3.837	2.8	22.2
1 12	7 23.82	+19 46.2	2.860	3.843	0.7	22.0
1 22	7 15.72	+20 8.6	2.886	3.849	3.4	22.3
2 1	7 8.40	+20 29.3	2.942	3.855	6.3	22.5
2 11	7 2.42	+20 47.5	3.025	3.860	8.8	22.6

78451 2002 RY_{24} 1 10.7 138.°21 6.°8/ 7.9 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	8 0.37	+38 6.0	2.040	2.809	14.8	18.9
12 13	7 55.12	+39 26.3	1.967	2.817	12.1	18.7
12 23	7 46.65	+40 42.3	1.918	2.825	9.4	18.6
1 2	7 35.62	+41 45.5	1.894	2.833	7.3	18.5
1 12	7 23.25	+42 28.5	1.899	2.840	7.0	18.5
1 22	7 11.06	+42 47.6	1.932	2.847	8.8	18.6
2 1	7 0.53	+42 43.1	1.991	2.854	11.4	18.8
2 11	6 52.81	+42 19.4	2.073	2.860	14.0	19.0

57178 2001 QC_{25} 1 10.7 67.°66 0.°3/10.8 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 55.13	+18 54.7	1.704	2.484	16.8	19.2
12 13	7 50.59	+19 20.8	1.642	2.509	13.2	19.0
12 23	7 43.25	+19 55.9	1.601	2.533	9.0	18.8
1 2	7 33.85	+20 36.3	1.586	2.558	4.3	18.6
1 12	7 23.54	+21 17.7	1.600	2.583	0.7	18.4
1 22	7 13.61	+21 56.0	1.642	2.607	5.3	18.8
2 1	7 5.25	+22 28.5	1.712	2.632	9.5	19.1
2 11	6 59.37	+22 54.4	1.806	2.656	13.2	19.4

369286 2009 RL_{29} 1 10.7 117.°01 2.°5/11.4 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 52.48	+15 4.7	2.013	2.778	15.1	21.2
12 13	7 48.23	+14 49.2	1.927	2.782	12.1	21.0
12 23	7 41.58	+14 42.2	1.862	2.785	8.6	20.8
1 2	7 33.08	+14 43.4	1.824	2.789	4.8	20.5
1 12	7 23.65	+14 51.5	1.814	2.792	2.5	20.4
1 22	7 14.36	+15 4.8	1.833	2.795	5.2	20.6
2 1	7 6.25	+15 21.3	1.880	2.799	8.9	20.8
2 11	7 0.18	+15 39.2	1.953	2.802	12.4	21.0

263858 2009 BJ_{171} 1 10.7 217.°84 2.°3/10.0 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 57.51	+26 54.3	1.979	2.755	15.0	21.3
12 13	7 52.60	+27 18.9	1.884	2.749	11.9	21.1
12 23	7 44.82	+27 45.7	1.811	2.742	8.2	20.9
1 2	7 34.73	+28 10.1	1.764	2.734	4.3	20.6
1 12	7 23.39	+28 27.6	1.747	2.726	2.5	20.5
1 22	7 12.09	+28 35.0	1.759	2.717	5.9	20.7
2 1	7 2.14	+28 31.7	1.799	2.708	9.9	20.9
2 11	6 54.63	+28 19.1	1.864	2.698	13.5	21.1

35841 1999 JR_{59} 1 10.7 164.°63 3.°2/11.7 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 54.77	+12 43.3	1.901	2.659	16.1	19.7
12 13	7 50.19	+12 35.9	1.814	2.663	13.0	19.5
12 23	7 43.01	+12 40.1	1.748	2.667	9.4	19.3
1 2	7 33.81	+12 55.6	1.708	2.670	5.5	19.0
1 12	7 23.56	+13 20.7	1.696	2.673	3.2	18.9
1 22	7 13.41	+13 52.7	1.714	2.675	5.7	19.1
2 1	7 4.52	+14 28.6	1.759	2.676	9.5	19.3
2 11	6 57.82	+15 5.6	1.830	2.677	13.1	19.5

152324 2005 UO_{17} 1 10.7 83.°60 1.°3/11.2 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 53.25	+17 0.6	1.917	2.689	15.5	20.4
12 13	7 48.89	+17 9.1	1.843	2.703	12.3	20.2
12 23	7 42.04	+17 26.4	1.790	2.718	8.5	20.0
1 2	7 33.29	+17 50.7	1.763	2.732	4.3	19.8
1 12	7 23.65	+18 19.1	1.764	2.746	1.4	19.6
1 22	7 14.24	+18 48.7	1.795	2.760	4.9	19.9
2 1	7 6.14	+19 16.9	1.854	2.774	8.9	20.2
2 11	7 0.21	+19 42.1	1.938	2.788	12.4	20.4

376506 2012 KK_{48} 1 10.7 222.°14 0.°7/11.0 17

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 52.08	+17 38.6	2.450	3.210	12.9	22.2
12 13	7 47.68	+18 1.3	2.347	3.201	10.2	22.0
12 23	7 41.13	+18 31.7	2.266	3.192	7.1	21.8
1 2	7 32.89	+19 8.1	2.213	3.183	3.5	21.6
1 12	7 23.70	+19 47.5	2.191	3.173	0.8	21.3
1 22	7 14.46	+20 27.0	2.199	3.163	4.3	21.6
2 1	7 6.11	+21 4.2	2.237	3.152	7.9	21.8
2 11	6 59.46	+21 37.3	2.302	3.141	11.1	22.0

125983 2001 YH_{25} 1 10.7 174.°12 1.°6/10.3 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 58.48	+25 2.2	1.791	2.571	16.2	20.4
12 13	7 53.50	+25 20.8	1.706	2.573	12.8	20.2
12 23	7 45.47	+25 42.7	1.642	2.575	8.8	19.9
1 2	7 35.05	+26 3.8	1.605	2.576	4.3	19.7
1 12	7 23.38	+26 19.4	1.595	2.577	1.8	19.5
1 22	7 11.88	+26 26.8	1.615	2.577	5.9	19.8
2 1	7 1.94	+26 24.9	1.663	2.577	10.2	20.0
2 11	6 54.64	+26 15.3	1.736	2.576	14.0	20.3

158308 2001 UB_{206} 1 10.7 59.°78 8.°9/ 7.8 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	8 0.74	+40 54.7	1.664	2.444	17.2	19.4
12 13	7 56.14	+42 26.3	1.608	2.460	14.2	19.2
12 23	7 47.69	+43 49.9	1.573	2.476	11.3	19.1
1 2	7 36.19	+44 54.9	1.562	2.492	9.3	19.0
1 12	7 23.22	+45 32.3	1.577	2.508	9.1	19.0
1 22	7 10.71	+45 38.9	1.617	2.525	10.8	19.1
2 1	7 0.43	+45 16.8	1.682	2.541	13.4	19.3
2 11	6 53.62	+44 32.8	1.768	2.558	16.0	19.5

91573 1999 SN_2 1 10.7 130.°73 2.°7/11.7 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 51.18	+13 31.6	2.077	2.838	14.8	21.2
12 13	7 47.18	+13 25.0	1.988	2.840	11.9	21.0
12 23	7 40.87	+13 28.4	1.921	2.841	8.5	20.8
1 2	7 32.77	+13 41.6	1.879	2.842	4.9	20.6
1 12	7 23.74	+14 3.0	1.867	2.844	2.7	20.4
1 22	7 14.81	+14 30.3	1.883	2.845	5.1	20.6
2 1	7 6.96	+15 0.9	1.928	2.846	8.7	20.8
2 11	7 1.05	+15 32.5	1.998	2.847	12.1	21.0

217999 2001 XH_{54} 1 10.7 73.°88 1.°6/ 9.9 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 55.22	+21 44.6	1.805	2.585	16.0	19.9
12 13	7 50.74	+22 51.1	1.738	2.606	12.5	19.7
12 23	7 43.46	+24 5.8	1.694	2.627	8.4	19.5
1 2	7 34.04	+25 23.0	1.677	2.648	4.1	19.3
1 12	7 23.57	+26 35.9	1.688	2.669	1.9	19.2
1 22	7 13.34	+27 39.0	1.730	2.690	5.7	19.5
2 1	7 4.59	+28 29.2	1.799	2.711	9.7	19.8
2 11	6 58.27	+29 6.2	1.893	2.731	13.2	20.0

2303 Retsina 1 10.7 315.°47 9.°8/14.3 18 R

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 47.77	− 4 51.1	2.109	2.800	16.6	16.0
12 13	7 44.55	− 5 54.0	2.015	2.790	14.7	15.9
12 23	7 39.13	− 6 38.2	1.940	2.780	12.6	15.7
1 2	7 31.99	− 6 59.0	1.887	2.771	10.8	15.6
1 12	7 23.88	− 6 53.3	1.858	2.761	9.9	15.5
1 22	7 15.74	− 6 21.2	1.855	2.752	10.3	15.5
2 1	7 8.53	− 5 25.5	1.876	2.743	11.8	15.6
2 11	7 3.09	− 4 11.9	1.921	2.735	14.0	15.7

98002 2000 QG_{199} 1 10.7 210.°97 0.°3/10.5 17

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 46.50	+22 7.9	3.814	4.572	8.7	20.4
12 13	7 42.51	+22 25.0	3.711	4.567	6.8	20.3
12 23	7 37.20	+22 44.7	3.634	4.562	4.6	20.1
1 2	7 30.89	+23 5.6	3.585	4.556	2.2	19.9
1 12	7 24.06	+23 25.9	3.568	4.551	0.5	19.7
1 22	7 17.26	+23 44.3	3.583	4.545	2.9	20.0
2 1	7 11.00	+23 59.8	3.628	4.539	5.3	20.1
2 11	7 5.79	+24 11.9	3.702	4.533	7.4	20.3

248657 2006 HC_{77} 1 10.7 147.°11 0.°5/10.5 17

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 51.59	+20 41.2	2.657	3.419	11.9	21.1
12 13	7 47.05	+21 21.8	2.569	3.426	9.3	20.9
12 23	7 40.56	+22 8.1	2.504	3.433	6.3	20.8
1 2	7 32.58	+22 57.3	2.468	3.439	3.0	20.5
1 12	7 23.81	+23 46.0	2.463	3.445	0.7	20.4
1 22	7 15.10	+24 31.1	2.489	3.451	4.0	20.6
2 1	7 7.27	+25 10.3	2.545	3.457	7.2	20.9
2 11	7 1.03	+25 42.6	2.629	3.462	10.1	21.0

364363 2006 UP_{278} 1 10.7 159.°14 4.°0/12.0 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 54.04	+10 8.9	2.223	2.963	14.6	23.0
12 13	7 49.16	+ 9 43.8	2.135	2.970	11.9	22.8
12 23	7 42.08	+ 9 29.3	2.069	2.976	8.8	22.6
1 2	7 33.31	+ 9 26.0	2.029	2.981	5.7	22.5
1 12	7 23.71	+ 9 33.7	2.018	2.986	4.0	22.4
1 22	7 14.21	+ 9 50.9	2.036	2.990	5.7	22.5
2 1	7 5.79	+10 15.4	2.084	2.993	8.7	22.7
2 11	6 59.22	+10 44.6	2.158	2.996	11.8	22.9

293072 2006 WA_{171} 1 10.7 271.°98 2.°2/11.3 16

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 52.79	+16 8.6	1.909	2.680	15.6	21.6
12 13	7 48.88	+15 56.0	1.807	2.666	12.6	21.4
12 23	7 42.31	+15 51.8	1.726	2.652	8.9	21.1
1 2	7 33.59	+15 55.4	1.670	2.637	4.8	20.8
1 12	7 23.65	+16 5.4	1.643	2.623	2.2	20.6
1 22	7 13.64	+16 19.9	1.644	2.608	5.5	20.8
2 1	7 4.78	+16 36.7	1.673	2.593	9.7	21.0
2 11	6 58.10	+16 54.3	1.727	2.578	13.6	21.2

359095 2009 AF_{26} 1 10.7 329.°69 0.°2/10.8 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 50.90	+19 37.5	1.348	2.154	19.1	20.5
12 13	7 48.54	+19 52.6	1.261	2.143	15.3	20.2
12 23	7 42.72	+20 18.7	1.194	2.133	10.6	19.9
1 2	7 33.99	+20 53.2	1.150	2.123	5.1	19.6
1 12	7 23.58	+21 31.3	1.130	2.114	0.8	19.2
1 22	7 13.13	+22 7.7	1.137	2.105	6.6	19.6
2 1	7 4.36	+22 38.7	1.169	2.097	12.1	19.9
2 11	6 58.63	+23 2.5	1.223	2.090	16.9	20.1

185413 2006 WP_{163} 1 10.7 111.°20 1.°7/11.3 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 54.47	+16 35.0	1.957	2.723	15.4	21.4
12 13	7 49.81	+16 34.5	1.878	2.736	12.3	21.2
12 23	7 42.66	+16 42.6	1.822	2.748	8.5	21.0
1 2	7 33.62	+16 57.8	1.792	2.760	4.4	20.8
1 12	7 23.68	+17 17.8	1.791	2.772	1.7	20.6
1 22	7 13.95	+17 40.0	1.819	2.783	5.0	20.8
2 1	7 5.52	+18 2.3	1.875	2.794	8.9	21.1
2 11	6 59.24	+18 23.1	1.957	2.805	12.4	21.3

29658 Henrylin 1 10.7 227.°00 0.°9/10.9 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 56.78	+19 18.2	1.725	2.502	16.8	18.9
12 13	7 52.31	+19 14.5	1.630	2.494	13.4	18.6
12 23	7 44.80	+19 17.9	1.556	2.487	9.3	18.4
1 2	7 34.83	+19 26.7	1.507	2.478	4.6	18.1
1 12	7 23.48	+19 38.1	1.487	2.469	1.1	17.8
1 22	7 12.14	+19 49.4	1.495	2.460	5.7	18.1
2 1	7 2.22	+19 58.8	1.530	2.450	10.4	18.3
2 11	6 54.87	+20 5.7	1.590	2.440	14.6	18.6

420915 2013 ML_7 1 10.7 301.°36 0.°3/10.7 16

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	8 9.41	+29 31.3	1.020	1.828	23.9	20.3
12 13	8 4.47	+28 6.6	0.936	1.818	19.3	19.9
12 23	7 54.26	+26 27.8	0.870	1.808	13.5	19.6
1 2	7 39.65	+24 30.9	0.826	1.799	6.6	19.2
1 12	7 22.77	+22 16.6	0.807	1.790	1.0	18.8
1 22	7 6.43	+19 53.0	0.814	1.781	8.6	19.2
2 1	6 53.24	+17 33.0	0.845	1.773	15.6	19.5
2 11	6 44.83	+15 27.5	0.898	1.765	21.6	19.8

365242 2009 MR_4 1 10.7 177.°81 3.°2/12.2 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 52.67	+ 9 52.6	2.430	3.166	13.6	22.1
12 13	7 48.00	+10 2.4	2.334	3.168	11.0	21.9
12 23	7 41.27	+10 24.2	2.261	3.170	8.1	21.7
1 2	7 32.95	+10 57.6	2.215	3.171	5.0	21.6
1 12	7 23.78	+11 40.8	2.198	3.171	3.2	21.4
1 22	7 14.64	+12 31.0	2.213	3.170	4.9	21.5
2 1	7 6.40	+13 25.0	2.257	3.169	8.0	21.7
2 11	6 59.83	+14 19.6	2.328	3.168	11.0	21.9

427723 2004 HW_{56} 1 10.7 302.°98 3.°5/ 8.7 16

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 51.97	+26 39.8	2.198	2.978	13.5	20.8
12 13	7 48.31	+28 6.9	2.092	2.959	10.7	20.5
12 23	7 42.05	+29 41.6	2.009	2.940	7.5	20.3
1 2	7 33.56	+31 17.9	1.955	2.921	4.4	20.1
1 12	7 23.66	+32 48.6	1.931	2.902	3.7	20.0
1 22	7 13.46	+34 7.2	1.936	2.883	6.5	20.1
2 1	7 4.20	+35 9.7	1.971	2.864	10.0	20.3
2 11	6 56.98	+35 55.3	2.030	2.846	13.3	20.5

28883 2000 KS_{52} 1 10.7 86.°00 2.°6/11.6 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 52.51	+14 1.4	1.826	2.595	16.3	19.0
12 13	7 48.53	+14 0.3	1.744	2.601	13.1	18.7
12 23	7 41.95	+14 10.7	1.684	2.607	9.3	18.5
1 2	7 33.36	+14 31.8	1.648	2.613	5.2	18.3
1 12	7 23.74	+15 1.2	1.640	2.619	2.6	18.1
1 22	7 14.26	+15 36.0	1.661	2.625	5.5	18.3
2 1	7 6.08	+16 12.9	1.710	2.631	9.5	18.6
2 11	7 0.12	+16 49.2	1.784	2.637	13.1	18.8

234379 2001 QD_{53} 1 10.7 123.°69 0.°2/10.8 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 51.49	+19 55.9	2.644	3.405	12.0	21.3
12 13	7 46.88	+20 9.5	2.560	3.416	9.4	21.1
12 23	7 40.38	+20 27.8	2.500	3.428	6.4	21.0
1 2	7 32.48	+20 49.1	2.468	3.439	3.1	20.8
1 12	7 23.89	+21 11.0	2.467	3.450	0.5	20.5
1 22	7 15.44	+21 31.5	2.496	3.461	3.8	20.8
2 1	7 7.92	+21 49.2	2.556	3.471	7.0	21.1
2 11	7 2.00	+22 3.4	2.643	3.481	9.8	21.3

125980 2001 YV_{21} 1 10.7 236.°75 4.°7/ 8.6 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 56.68	+32 47.0	2.224	2.997	13.6	20.5
12 13	7 51.98	+33 49.6	2.127	2.986	11.0	20.3
12 23	7 44.48	+34 52.7	2.053	2.974	8.0	20.1
1 2	7 34.68	+35 49.7	2.006	2.962	5.4	19.9
1 12	7 23.55	+36 34.4	1.988	2.949	4.9	19.9
1 22	7 12.32	+37 2.5	1.999	2.936	7.1	20.0
2 1	7 2.30	+37 12.7	2.039	2.923	10.2	20.1
2 11	6 54.57	+37 7.1	2.102	2.909	13.2	20.3

256171 2006 VT_{63} 1 10.7 126.°08 0.°9/10.4 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 56.40	+22 55.5	2.193	2.960	14.0	21.9
12 13	7 51.14	+23 22.6	2.116	2.976	10.9	21.7
12 23	7 43.48	+23 53.9	2.062	2.992	7.4	21.5
1 2	7 34.01	+24 26.1	2.035	3.007	3.5	21.3
1 12	7 23.67	+24 55.3	2.039	3.021	1.1	21.1
1 22	7 13.55	+25 18.7	2.073	3.035	4.8	21.4
2 1	7 4.69	+25 35.1	2.136	3.048	8.4	21.6
2 11	6 57.90	+25 44.4	2.226	3.060	11.6	21.9

463292 2012 HR_{33} 1 10.7 266.°18 5.°6/12.8 16

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 50.41	+ 5 43.5	2.049	2.787	15.7	22.1
12 13	7 46.75	+ 5 24.4	1.947	2.775	13.2	21.9
12 23	7 40.73	+ 5 20.4	1.865	2.763	10.2	21.7
1 2	7 32.82	+ 5 33.5	1.808	2.750	7.3	21.5
1 12	7 23.84	+ 6 3.7	1.778	2.738	5.6	21.4
1 22	7 14.77	+ 6 49.1	1.777	2.725	6.9	21.4
2 1	7 6.68	+ 7 46.2	1.803	2.712	9.8	21.6
2 11	7 0.47	+ 8 50.1	1.855	2.699	13.1	21.8

292870 2006 VF_8 1 10.7 13.°52 1.°0/11.0 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 51.75	+18 34.8	1.554	2.347	17.6	20.7
12 13	7 48.50	+18 38.1	1.476	2.349	14.0	20.5
12 23	7 42.24	+18 50.6	1.417	2.351	9.7	20.2
1 2	7 33.60	+19 10.4	1.383	2.354	4.8	20.0
1 12	7 23.74	+19 34.1	1.375	2.358	1.1	19.7
1 22	7 14.04	+19 58.5	1.395	2.362	5.8	20.0
2 1	7 5.88	+20 20.7	1.441	2.366	10.5	20.3
2 11	7 0.34	+20 39.3	1.510	2.371	14.6	20.6

143435 2003 BD_{64} 1 10.7 6.°38 2.°1/10.5 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 56.46	+28 25.9	1.424	2.227	18.5	18.8
12 13	7 52.62	+28 8.0	1.348	2.227	14.7	18.5
12 23	7 45.21	+27 47.8	1.291	2.228	10.2	18.2
1 2	7 35.03	+27 21.4	1.258	2.230	5.1	18.0
1 12	7 23.54	+26 45.8	1.251	2.233	2.3	17.8
1 22	7 12.46	+26 0.8	1.272	2.236	6.7	18.1
2 1	7 3.41	+25 8.8	1.318	2.240	11.5	18.4
2 11	6 57.49	+24 13.7	1.387	2.246	15.8	18.6

200378 2000 QV_{134} 1 10.7 88.°02 0.°2/10.6 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 56.76	+19 53.7	1.575	2.359	17.8	20.4
12 13	7 52.29	+20 26.5	1.507	2.376	14.0	20.2
12 23	7 44.70	+21 8.8	1.460	2.393	9.5	19.9
1 2	7 34.72	+21 56.3	1.438	2.410	4.5	19.7
1 12	7 23.59	+22 43.5	1.444	2.427	0.8	19.5
1 22	7 12.78	+23 25.7	1.478	2.443	5.8	19.8
2 1	7 3.67	+23 59.8	1.539	2.459	10.4	20.2
2 11	6 57.31	+24 25.2	1.624	2.475	14.4	20.4

262465 2006 UR_{145} 1 10.7 17.°02 4.°7/10.2 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 58.31	+33 7.8	1.383	2.185	19.0	20.3
12 13	7 54.30	+33 11.6	1.313	2.189	15.2	20.0
12 23	7 46.44	+33 9.9	1.262	2.194	10.8	19.8
1 2	7 35.62	+32 56.3	1.235	2.200	6.5	19.6
1 12	7 23.47	+32 25.7	1.234	2.207	4.8	19.5
1 22	7 11.87	+31 37.7	1.259	2.215	7.9	19.7
2 1	7 2.56	+30 35.7	1.309	2.224	12.3	20.0
2 11	6 56.67	+29 25.8	1.381	2.233	16.3	20.2

301243 2009 BF_{45} 1 10.7 16.°61 0.°8/10.9 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 51.33	+19 2.1	1.244	2.055	20.2	20.5
12 13	7 48.85	+19 8.2	1.175	2.059	16.0	20.3
12 23	7 42.83	+19 25.4	1.125	2.064	11.0	20.0
1 2	7 33.98	+19 51.1	1.097	2.070	5.4	19.7
1 12	7 23.69	+20 20.8	1.094	2.077	1.0	19.4
1 22	7 13.68	+20 49.9	1.117	2.085	6.6	19.8
2 1	7 5.60	+21 15.2	1.163	2.094	11.9	20.2
2 11	7 0.65	+21 35.0	1.232	2.103	16.5	20.5

419019 2009 QQ_{12} 1 10.7 83.°56 3.°0/ 9.9 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 57.39	+29 46.0	1.919	2.699	15.2	21.2
12 13	7 52.39	+30 3.6	1.845	2.711	12.0	21.0
12 23	7 44.55	+30 20.1	1.792	2.722	8.4	20.8
1 2	7 34.58	+30 30.8	1.766	2.733	4.7	20.6
1 12	7 23.62	+30 31.6	1.768	2.744	3.2	20.5
1 22	7 13.01	+30 20.7	1.799	2.755	6.1	20.7
2 1	7 3.97	+29 58.8	1.858	2.765	9.7	21.0
2 11	6 57.44	+29 28.4	1.942	2.776	13.0	21.2

427794 2005 ES_{327} 1 10.7 1.°57 5.°6/ 8.6 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 54.57	+35 36.6	2.073	2.853	14.2	20.5
12 13	7 50.42	+36 33.2	1.993	2.853	11.5	20.3
12 23	7 43.41	+37 26.8	1.934	2.853	8.6	20.1
1 2	7 34.13	+38 10.8	1.902	2.853	6.2	20.0
1 12	7 23.68	+38 39.2	1.898	2.853	5.8	19.9
1 22	7 13.36	+38 48.8	1.921	2.854	7.7	20.0
2 1	7 4.47	+38 39.7	1.972	2.854	10.6	20.2
2 11	6 58.05	+38 14.7	2.045	2.855	13.4	20.4

468261 2015 BR_{396} 1 10.7 68.°78 0.°6/10.4 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 51.19	+20 13.2	2.196	2.970	13.8	20.9
12 13	7 47.25	+21 0.4	2.109	2.973	10.8	20.7
12 23	7 40.99	+21 55.7	2.045	2.976	7.3	20.5
1 2	7 32.92	+22 55.5	2.008	2.980	3.5	20.2
1 12	7 23.89	+23 55.2	2.000	2.983	0.9	20.0
1 22	7 14.89	+24 50.7	2.023	2.986	4.7	20.3
2 1	7 6.94	+25 38.9	2.075	2.990	8.4	20.5
2 11	7 0.90	+26 18.3	2.153	2.993	11.7	20.8

109723 2001 RR_{55} 1 10.7 164.°62 0.°4/10.6 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 51.41	+22 11.6	2.480	3.249	12.5	20.3
12 13	7 47.09	+22 25.1	2.389	3.250	9.8	20.1
12 23	7 40.69	+22 42.5	2.321	3.252	6.7	19.9
1 2	7 32.71	+23 1.5	2.281	3.253	3.2	19.7
1 12	7 23.93	+23 19.5	2.271	3.254	0.7	19.5
1 22	7 15.24	+23 34.5	2.291	3.255	4.2	19.7
2 1	7 7.52	+23 45.1	2.341	3.255	7.6	20.0
2 11	7 1.52	+23 51.2	2.417	3.256	10.6	20.2

147259 2002 XP_{110} 1 10.7 137.°22 2.°0/10.0 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 57.66	+26 27.6	2.314	3.079	13.4	20.8
12 13	7 52.08	+26 58.0	2.235	3.094	10.5	20.7
12 23	7 44.11	+27 30.1	2.180	3.108	7.2	20.5
1 2	7 34.34	+27 59.9	2.152	3.121	3.7	20.3
1 12	7 23.70	+28 23.5	2.155	3.134	2.1	20.2
1 22	7 13.27	+28 38.3	2.188	3.145	5.0	20.4
2 1	7 4.10	+28 43.8	2.252	3.156	8.4	20.6
2 11	6 56.98	+28 40.9	2.341	3.167	11.4	20.9

490038 2008 TY_{19} 1 10.7 79.°25 1.°5/10.3 15

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 59.50	+23 39.9	1.471	2.261	18.6	21.8
12 13	7 54.59	+24 5.5	1.411	2.284	14.6	21.6
12 23	7 46.30	+24 36.6	1.371	2.306	9.9	21.3
1 2	7 35.48	+25 7.9	1.356	2.328	4.8	21.1
1 12	7 23.54	+25 34.0	1.368	2.350	1.7	21.0
1 22	7 12.12	+25 51.2	1.408	2.371	6.3	21.3
2 1	7 2.70	+25 58.5	1.475	2.393	10.9	21.6
2 11	6 56.30	+25 57.4	1.565	2.414	14.9	21.9

130207 2000 AV_{205} 1 10.7 21.°07 0.°8/10.4 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 50.91	+20 41.3	1.904	2.688	15.2	19.2
12 13	7 47.40	+21 26.7	1.821	2.691	12.0	19.0
12 23	7 41.29	+22 20.7	1.760	2.694	8.1	18.7
1 2	7 33.13	+23 19.5	1.725	2.697	3.9	18.5
1 12	7 23.88	+24 18.0	1.719	2.701	1.1	18.3
1 22	7 14.69	+25 11.3	1.742	2.706	5.2	18.6
2 1	7 6.74	+25 56.2	1.793	2.710	9.3	18.9
2 11	7 0.98	+26 31.4	1.868	2.715	12.9	19.1

31536 1999 CX_{150} 1 10.7 217.°12 2.°9/12.2 17

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 49.15	+10 9.0	2.997	3.729	11.3	20.0
12 13	7 44.93	+10 8.3	2.890	3.721	9.2	19.9
12 23	7 39.05	+10 16.5	2.806	3.713	6.8	19.7
1 2	7 31.91	+10 33.7	2.750	3.704	4.3	19.5
1 12	7 24.07	+10 59.1	2.724	3.694	2.9	19.4
1 22	7 16.22	+11 30.9	2.729	3.685	4.2	19.5
2 1	7 9.03	+12 7.2	2.764	3.674	6.8	19.6
2 11	7 3.13	+12 45.8	2.827	3.664	9.3	19.8

90479 Donalek 1 10.7 84.°19 6.°4/ 9.5 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	8 2.60	+37 59.7	1.785	2.559	16.4	18.9
12 13	7 57.01	+38 34.8	1.716	2.571	13.4	18.7
12 23	7 47.95	+39 2.5	1.668	2.582	10.0	18.5
1 2	7 36.27	+39 15.3	1.645	2.593	7.2	18.4
1 12	7 23.45	+39 7.3	1.649	2.604	6.5	18.4
1 22	7 11.16	+38 37.0	1.681	2.615	8.5	18.5
2 1	7 0.93	+37 47.2	1.740	2.626	11.5	18.7
2 11	6 53.80	+36 43.9	1.822	2.637	14.6	18.9

355998 2009 BS_{50} 1 10.7 236.°14 0.°4/10.6 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 55.48	+21 14.3	1.876	2.653	15.6	21.7
12 13	7 51.17	+21 35.1	1.778	2.643	12.4	21.5
12 23	7 44.01	+22 3.0	1.701	2.633	8.5	21.2
1 2	7 34.51	+22 34.8	1.650	2.622	4.1	21.0
1 12	7 23.68	+23 6.6	1.628	2.611	0.8	20.7
1 22	7 12.79	+23 34.4	1.635	2.600	5.5	21.0
2 1	7 3.17	+23 56.0	1.671	2.588	9.9	21.2
2 11	6 55.92	+24 10.8	1.731	2.576	13.9	21.4

453896 2011 UE_{255} 1 10.7 28.°14 0.°4/10.6 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 53.18	+21 49.2	1.247	2.059	20.1	21.0
12 13	7 50.26	+21 56.7	1.184	2.069	15.9	20.7
12 23	7 43.74	+22 11.9	1.140	2.080	10.8	20.5
1 2	7 34.39	+22 31.2	1.118	2.092	5.1	20.2
1 12	7 23.72	+22 49.7	1.121	2.104	0.9	19.9
1 22	7 13.46	+23 3.8	1.150	2.118	6.6	20.3
2 1	7 5.26	+23 11.6	1.204	2.132	11.8	20.7
2 11	7 0.24	+23 13.2	1.279	2.147	16.3	21.0

276609 2003 UF_{69} 1 10.7 87.°06 0.°9/11.1 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 51.94	+18 17.6	2.137	2.907	14.2	21.6
12 13	7 47.73	+18 26.0	2.055	2.915	11.2	21.4
12 23	7 41.24	+18 41.5	1.995	2.924	7.7	21.2
1 2	7 33.01	+19 2.2	1.962	2.932	3.8	21.0
1 12	7 23.92	+19 25.6	1.958	2.941	1.0	20.8
1 22	7 14.99	+19 49.3	1.984	2.949	4.5	21.0
2 1	7 7.20	+20 11.2	2.039	2.958	8.3	21.3
2 11	7 1.35	+20 30.1	2.119	2.966	11.6	21.5

399365 2001 NM_{11} 1 10.7 63.°70 2.°3/10.9 16

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	8 9.03	+20 54.4	1.678	2.435	18.0	20.3
12 13	8 0.91	+19 32.6	1.621	2.473	14.2	20.1
12 23	7 49.88	+18 12.5	1.587	2.511	9.7	19.9
1 2	7 36.90	+16 55.0	1.581	2.548	5.1	19.7
1 12	7 23.41	+15 42.2	1.605	2.585	2.4	19.7
1 22	7 10.82	+14 36.4	1.661	2.621	5.9	20.0
2 1	7 0.35	+13 39.7	1.746	2.657	10.0	20.3
2 11	6 52.73	+12 52.7	1.857	2.693	13.5	20.6

242822 2006 BW_{259} 1 10.7 203.°67 1.°4/11.1 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 55.83	+17 45.6	1.761	2.535	16.6	21.0
12 13	7 51.44	+17 43.1	1.671	2.533	13.3	20.8
12 23	7 44.15	+17 49.1	1.601	2.530	9.2	20.6
1 2	7 34.55	+18 2.0	1.557	2.527	4.7	20.3
1 12	7 23.71	+18 19.3	1.541	2.523	1.5	20.0
1 22	7 12.93	+18 38.2	1.554	2.519	5.5	20.3
2 1	7 3.53	+18 56.6	1.595	2.515	10.1	20.6
2 11	6 56.58	+19 12.9	1.660	2.511	14.1	20.8

74443 1999 CY_{11} 1 10.7 358.°60 13.°1/12.0 16

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	8 19.68	+48 31.4	0.958	1.750	26.2	18.3
12 13	8 14.28	+48 42.2	0.894	1.748	22.6	18.0
12 23	8 1.62	+48 27.1	0.843	1.746	18.5	17.8
1 2	7 43.18	+47 26.7	0.811	1.745	14.8	17.6
1 12	7 22.53	+45 27.6	0.800	1.745	13.1	17.5
1 22	7 3.88	+42 33.5	0.811	1.746	14.8	17.6
2 1	6 50.40	+39 4.2	0.846	1.748	18.7	17.8
2 11	6 43.30	+35 25.3	0.900	1.751	23.0	18.1

109682 2001 RS_{29} 1 10.7 192.°37 3.°5/ 9.5 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 54.72	+32 23.1	2.462	3.232	12.5	20.2
12 13	7 49.89	+32 49.5	2.373	3.231	10.0	20.1
12 23	7 42.71	+33 13.7	2.307	3.231	7.1	19.9
1 2	7 33.73	+33 31.5	2.269	3.230	4.4	19.7
1 12	7 23.85	+33 39.2	2.260	3.229	3.6	19.7
1 22	7 14.12	+33 34.8	2.282	3.228	5.7	19.8
2 1	7 5.55	+33 18.4	2.331	3.227	8.6	20.0
2 11	6 58.97	+32 52.2	2.407	3.226	11.3	20.1

492519 2014 OC_{42} 1 10.7 230.°34 2.°2/10.1 17

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 58.94	+26 28.7	1.948	2.722	15.2	23.3
12 13	7 53.93	+26 52.8	1.847	2.710	12.1	23.0
12 23	7 45.92	+27 19.8	1.767	2.697	8.4	22.8
1 2	7 35.45	+27 44.9	1.714	2.684	4.4	22.5
1 12	7 23.58	+28 3.4	1.690	2.670	2.4	22.3
1 22	7 11.65	+28 11.9	1.696	2.655	6.0	22.5
2 1	7 1.07	+28 9.3	1.730	2.639	10.2	22.8
2 11	6 52.98	+27 57.3	1.789	2.623	14.0	23.0

100997 1998 QF_{41} 1 10.7 72.°88 4.°0/12.0 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 57.20	+11 25.5	1.374	2.150	20.4	20.0
12 13	7 52.72	+11 22.2	1.317	2.175	16.4	19.8
12 23	7 45.01	+11 36.0	1.278	2.200	11.8	19.6
1 2	7 34.88	+12 6.3	1.263	2.225	6.9	19.4
1 12	7 23.70	+12 49.7	1.274	2.250	4.0	19.3
1 22	7 13.00	+13 41.3	1.312	2.275	6.7	19.5
2 1	7 4.19	+14 35.7	1.376	2.299	11.1	19.8
2 11	6 58.27	+15 28.7	1.464	2.323	15.1	20.1

253949 2004 DC_{15} 1 10.7 194.°94 3.°1/11.9 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 53.06	+11 42.2	2.150	2.900	14.7	20.7
12 13	7 48.67	+11 43.7	2.055	2.898	11.9	20.5
12 23	7 41.95	+11 56.8	1.981	2.896	8.6	20.3
1 2	7 33.42	+12 21.3	1.933	2.893	5.2	20.1
1 12	7 23.89	+12 55.4	1.915	2.890	3.1	19.9
1 22	7 14.38	+13 36.4	1.926	2.886	5.2	20.1
2 1	7 5.89	+14 21.2	1.966	2.882	8.7	20.3
2 11	6 59.30	+15 6.6	2.033	2.878	12.1	20.5

113488 2002 TR_2 1 10.7 109.°46 0.°9/11.1 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 52.01	+18 6.9	2.499	3.258	12.6	20.4
12 13	7 47.38	+18 12.8	2.419	3.273	10.0	20.2
12 23	7 40.78	+18 24.6	2.362	3.288	6.8	20.1
1 2	7 32.74	+18 40.8	2.333	3.302	3.4	19.9
1 12	7 24.01	+18 59.3	2.333	3.316	1.0	19.7
1 22	7 15.44	+19 18.2	2.365	3.329	4.0	19.9
2 1	7 7.87	+19 36.0	2.426	3.343	7.3	20.2
2 11	7 1.97	+19 51.6	2.514	3.356	10.2	20.4

199405 2006 CV_{17} 1 10.7 253.°96 0.°7/10.5 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 52.38	+22 17.0	2.094	2.871	14.2	20.6
12 13	7 48.33	+22 40.3	2.003	2.869	11.2	20.4
12 23	7 41.82	+23 9.1	1.935	2.867	7.6	20.2
1 2	7 33.37	+23 40.2	1.893	2.865	3.7	19.9
1 12	7 23.90	+24 10.0	1.881	2.863	1.0	19.7
1 22	7 14.49	+24 35.4	1.898	2.861	4.9	20.0
2 1	7 6.22	+24 54.5	1.943	2.859	8.8	20.2
2 11	7 0.01	+25 6.9	2.014	2.857	12.3	20.4

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
463071 2011 JY_{30}			1 10.7	173.°02	6.°7/14.2	17
12 3	7 48.76	− 4 47.1	3.303	3.957	11.7	22.5
12 13	7 44.37	− 5 29.3	3.210	3.960	10.3	22.4
12 23	7 38.54	− 5 58.5	3.138	3.963	8.7	22.3
1 2	7 31.63	− 6 12.4	3.091	3.965	7.4	22.2
1 12	7 24.18	− 6 9.8	3.072	3.967	6.7	22.1
1 22	7 16.75	− 5 51.2	3.081	3.968	7.0	22.2
2 1	7 9.96	− 5 18.2	3.117	3.969	8.1	22.2
2 11	7 4.31	− 4 33.8	3.180	3.969	9.6	22.3
123818 Helenzier			1 10.7	23.°92	0.°2/10.8	18
12 3	7 51.81	+19 46.8	2.031	2.808	14.6	20.1
12 13	7 47.89	+20 3.4	1.943	2.808	11.6	19.9
12 23	7 41.52	+20 27.1	1.878	2.809	7.9	19.7
1 2	7 33.23	+20 55.4	1.838	2.810	3.8	19.4
1 12	7 23.94	+21 25.0	1.827	2.810	0.6	19.2
1 22	7 14.72	+21 53.1	1.846	2.811	4.8	19.5
2 1	7 6.68	+22 17.3	1.893	2.812	8.8	19.7
2 11	7 0.69	+22 36.6	1.965	2.813	12.3	19.9
489574 2007 TP_{65}			1 10.7	82.°36	1.°3/10.5	18
12 3	7 58.46	+24 49.6	1.614	2.401	17.4	21.5
12 13	7 53.60	+24 54.3	1.544	2.415	13.7	21.2
12 23	7 45.59	+25 1.7	1.495	2.429	9.3	21.0
1 2	7 35.18	+25 8.1	1.471	2.443	4.5	20.8
1 12	7 23.69	+25 9.6	1.475	2.457	1.5	20.6
1 22	7 12.60	+25 4.1	1.507	2.471	5.9	20.9
2 1	7 3.32	+24 51.6	1.566	2.484	10.4	21.2
2 11	6 56.84	+24 33.7	1.649	2.498	14.3	21.5
466823 2015 BX_{167}			1 10.7	183.°88	0.°5/10.5	17
12 3	7 51.35	+22 13.2	2.864	3.624	11.2	22.1
12 13	7 46.80	+22 36.4	2.767	3.625	8.8	21.9
12 23	7 40.39	+23 3.4	2.696	3.624	6.0	21.7
1 2	7 32.59	+23 31.9	2.652	3.624	2.8	21.5
1 12	7 24.05	+23 59.3	2.640	3.623	0.7	21.3
1 22	7 15.55	+24 23.4	2.659	3.621	3.8	21.6
2 1	7 7.86	+24 42.8	2.708	3.619	6.9	21.8
2 11	7 1.66	+24 57.0	2.784	3.617	9.6	21.9
235652 2004 RW_{150}			1 10.7	100.°09	4.°6/ 9.4	18
12 3	8 0.02	+30 26.3	1.606	2.394	17.4	20.2
12 13	7 55.19	+31 20.6	1.538	2.408	13.8	20.0
12 23	7 46.90	+32 15.4	1.492	2.421	9.8	19.8
1 2	7 35.89	+33 3.0	1.470	2.434	5.9	19.6
1 12	7 23.58	+33 36.2	1.476	2.446	4.8	19.6
1 22	7 11.61	+33 50.9	1.509	2.459	7.7	19.8
2 1	7 1.59	+33 47.2	1.570	2.471	11.6	20.1
2 11	6 54.64	+33 28.8	1.653	2.483	15.1	20.3
146061 2000 FG_{7}			1 10.7	186.°57	0.°1/10.7	18
12 3	7 54.97	+21 2.1	2.296	3.060	13.5	21.7
12 13	7 50.07	+21 15.7	2.202	3.060	10.7	21.5
12 23	7 42.86	+21 34.4	2.131	3.059	7.3	21.3
1 2	7 33.84	+21 55.7	2.087	3.058	3.5	21.1
1 12	7 23.87	+22 16.8	2.073	3.056	0.5	20.8
1 22	7 13.96	+22 35.2	2.090	3.054	4.5	21.1
2 1	7 5.13	+22 49.4	2.136	3.051	8.2	21.3
2 11	6 58.22	+22 59.0	2.209	3.047	11.5	21.5
453031 2007 RW_{266}			1 10.7	31.°20	2.°5/10.1	16
12 3	7 53.90	+25 11.3	1.187	2.005	20.6	21.2
12 13	7 51.06	+25 42.9	1.131	2.019	16.2	21.0
12 23	7 44.38	+26 20.0	1.094	2.035	11.0	20.7
1 2	7 34.74	+26 56.0	1.079	2.052	5.5	20.5
1 12	7 23.75	+27 24.3	1.089	2.069	2.8	20.4
1 22	7 13.30	+27 40.3	1.124	2.088	7.4	20.7
2 1	7 5.10	+27 43.3	1.183	2.108	12.4	21.0
2 11	7 0.30	+27 35.2	1.264	2.128	16.7	21.3
132069 2002 CH_{152}			1 10.7	256.°23	2.°4/10.0	18
12 3	7 56.01	+25 31.6	1.698	2.486	16.6	20.2
12 13	7 52.03	+26 7.2	1.605	2.477	13.2	20.0
12 23	7 44.84	+26 47.8	1.534	2.468	9.1	19.7
1 2	7 35.02	+27 28.5	1.488	2.459	4.7	19.4
1 12	7 23.69	+28 3.3	1.470	2.449	2.6	19.3
1 22	7 12.32	+28 27.6	1.480	2.440	6.5	19.5
2 1	7 2.46	+28 39.5	1.516	2.430	11.0	19.7
2 11	6 55.31	+28 39.9	1.577	2.420	15.1	19.9
466940 2016 AT_{120}			1 10.8	354.°84	6.°5/10.3	18
12 3	7 57.35	+36 52.2	1.276	2.085	19.9	19.8
12 13	7 54.24	+36 57.2	1.201	2.079	16.2	19.6
12 23	7 46.84	+36 52.4	1.144	2.073	12.1	19.3
1 2	7 36.02	+36 29.5	1.110	2.069	8.1	19.1
1 12	7 23.57	+35 42.4	1.099	2.067	6.6	19.0
1 22	7 11.66	+34 30.9	1.114	2.066	9.4	19.1
2 1	7 2.26	+33 0.2	1.153	2.066	13.7	19.4
2 11	6 56.66	+31 19.4	1.213	2.068	17.9	19.6

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
426263 2012 QW_{38}			1 10.8	146.°96	1.°1/10.4	18
12 3	7 53.79	+25 40.5	2.515	3.282	12.4	20.9
12 13	7 48.91	+25 42.0	2.425	3.286	9.7	20.7
12 23	7 41.90	+25 44.2	2.360	3.289	6.6	20.6
1 2	7 33.32	+25 44.9	2.322	3.293	3.2	20.3
1 12	7 23.98	+25 41.6	2.314	3.296	1.2	20.2
1 22	7 14.79	+25 33.3	2.338	3.299	4.3	20.4
2 1	7 6.67	+25 19.7	2.390	3.302	7.6	20.6
2 11	7 0.34	+25 1.7	2.470	3.305	10.6	20.8
304840 2007 RJ_{36}			1 10.8	161.°19	2.°5/11.6	18
12 3	7 56.14	+13 48.9	2.158	2.907	14.7	21.8
12 13	7 50.98	+13 45.4	2.070	2.914	11.8	21.6
12 23	7 43.45	+13 51.4	2.004	2.921	8.4	21.4
1 2	7 34.11	+14 6.3	1.964	2.927	4.8	21.2
1 12	7 23.86	+14 28.3	1.955	2.932	2.5	21.1
1 22	7 13.72	+14 55.0	1.975	2.937	5.0	21.2
2 1	7 4.72	+15 24.1	2.026	2.940	8.6	21.5
2 11	6 57.70	+15 53.4	2.102	2.943	11.9	21.7
6935 Morisot			1 10.8	73.°75	0.°4/10.8	18
12 3	7 56.55	+20 4.0	1.416	2.209	19.0	18.0
12 13	7 52.55	+20 10.9	1.345	2.219	15.1	17.8
12 23	7 45.15	+20 26.5	1.293	2.228	10.3	17.6
1 2	7 35.09	+20 47.7	1.266	2.238	5.0	17.3
1 12	7 23.72	+21 10.3	1.265	2.248	0.8	17.0
1 22	7 12.66	+21 30.6	1.291	2.258	6.2	17.4
2 1	7 3.47	+21 46.4	1.343	2.268	11.2	17.7
2 11	6 57.27	+21 57.0	1.419	2.277	15.5	18.0
307829 2003 YB_{26}			1 10.8	329.°12	6.°6/ 6.9	17
12 3	7 56.13	+18 51.0	0.977	1.799	23.7	19.2
12 13	7 54.76	+22 17.9	0.898	1.791	18.9	18.9
12 23	7 48.59	+26 28.1	0.839	1.783	13.1	18.5
1 2	7 37.66	+31 4.1	0.805	1.775	7.6	18.2
1 12	7 23.23	+35 35.4	0.798	1.769	7.7	18.2
1 22	7 7.73	+39 30.2	0.818	1.763	13.2	18.5
2 1	6 54.30	+42 29.7	0.862	1.758	19.2	18.8
2 11	6 45.64	+44 33.4	0.924	1.754	24.2	19.1
181372 2006 SQ_{4}			1 10.8	42.°22	3.°2/11.6	18
12 3	7 53.20	+14 54.4	1.477	2.263	18.7	19.4
12 13	7 49.53	+14 30.9	1.412	2.279	15.0	19.2
12 23	7 42.84	+14 18.8	1.367	2.294	10.6	19.0
1 2	7 33.89	+14 18.1	1.345	2.311	6.0	18.7
1 12	7 23.90	+14 27.2	1.349	2.328	3.2	18.6
1 22	7 14.28	+14 43.5	1.381	2.345	6.2	18.8
2 1	7 6.34	+15 4.3	1.438	2.363	10.6	19.1
2 11	7 1.04	+15 26.8	1.519	2.381	14.5	19.4
459742 2013 QS_{16}			1 10.8	134.°89	2.°7/ 9.8	18
12 3	7 56.99	+29 49.9	2.431	3.197	12.8	21.6
12 13	7 51.53	+30 14.6	2.351	3.209	10.1	21.4
12 23	7 43.73	+30 38.3	2.295	3.221	7.0	21.3
1 2	7 34.21	+30 57.0	2.267	3.232	4.0	21.1
1 12	7 23.86	+31 7.4	2.268	3.242	2.9	21.0
1 22	7 13.74	+31 7.4	2.300	3.252	5.2	21.2
2 1	7 4.85	+30 57.2	2.362	3.262	8.3	21.4
2 11	6 57.97	+30 38.3	2.449	3.271	11.1	21.6
171992 2001 TK_{214}			1 10.8	127.°21	0.°3/10.6	18
12 3	7 53.09	+23 0.3	2.863	3.621	11.2	21.0
12 13	7 47.98	+23 0.9	2.780	3.635	8.8	20.8
12 23	7 41.08	+23 3.6	2.721	3.648	6.0	20.7
1 2	7 32.87	+23 6.5	2.690	3.661	2.8	20.5
1 12	7 24.07	+23 7.9	2.691	3.674	0.5	20.3
1 22	7 15.44	+23 6.7	2.723	3.686	3.7	20.6
2 1	7 7.73	+23 2.3	2.786	3.698	6.6	20.8
2 11	7 1.57	+22 54.9	2.876	3.709	9.3	21.0
392245 2009 WU_{87}			1 10.8	108.°79	2.°6/10.1	17
12 3	8 2.27	+26 14.5	1.550	2.334	18.1	21.6
12 13	7 56.81	+26 50.4	1.484	2.353	14.2	21.4
12 23	7 47.89	+27 29.6	1.440	2.372	9.7	21.2
1 2	7 36.34	+28 5.8	1.420	2.390	5.0	21.0
1 12	7 23.57	+28 32.8	1.429	2.408	2.8	20.9
1 22	7 11.27	+28 47.0	1.466	2.425	6.7	21.2
2 1	7 0.96	+28 47.9	1.530	2.442	11.1	21.5
2 11	6 53.75	+28 38.2	1.618	2.458	14.9	21.7
378407 2007 RQ_{96}			1 10.8	304.°93	7.°6/ 7.4	18
12 3	7 56.28	+41 6.7	2.144	2.914	14.2	20.3
12 13	7 52.18	+42 20.1	2.054	2.900	11.9	20.1
12 23	7 44.93	+43 28.4	1.986	2.886	9.5	19.9
1 2	7 35.07	+44 23.5	1.944	2.872	7.9	19.8
1 12	7 23.72	+44 58.1	1.929	2.859	7.8	19.8
1 22	7 12.34	+45 8.3	1.940	2.846	9.4	19.8
2 1	7 2.42	+44 54.0	1.977	2.833	11.9	20.0
2 11	6 55.19	+44 19.2	2.037	2.820	14.4	20.1

306502 1999 VY_{31} 1 10.8 63.°05 1.°9/10.2 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 57.56	+24 29.3	1.494	2.287	18.2	20.1
12 13	7 53.09	+25 2.3	1.435	2.310	14.3	19.9
12 23	7 45.33	+25 40.2	1.397	2.332	9.7	19.7
1 2	7 35.09	+26 17.3	1.383	2.355	4.8	19.5
1 12	7 23.76	+26 48.1	1.396	2.377	2.2	19.4
1 22	7 12.92	+27 8.6	1.438	2.400	6.3	19.7
2 1	7 4.00	+27 18.0	1.505	2.423	10.8	20.0
2 11	6 58.02	+27 17.5	1.596	2.445	14.6	20.3

148589 2001 RQ_{11} 1 10.8 51.°73 3.°3/11.9 18

12 3	7 53.39	+12 51.3	1.559	2.335	18.3	19.3
12 13	7 49.44	+12 44.0	1.498	2.358	14.7	19.1
12 23	7 42.65	+12 50.5	1.457	2.381	10.4	18.9
1 2	7 33.76	+13 10.1	1.441	2.404	6.0	18.7
1 12	7 23.95	+13 40.3	1.451	2.428	3.3	18.6
1 22	7 14.53	+14 17.4	1.488	2.452	6.0	18.8
2 1	7 6.71	+14 57.7	1.553	2.476	10.1	19.1
2 11	7 1.38	+15 37.7	1.641	2.500	13.8	19.4

175995 2000 QO_{155} 1 10.8 182.°40 5.°0/12.9 18

12 3	7 52.00	+ 4 45.6	2.638	3.350	13.2	21.1
12 13	7 47.32	+ 4 26.1	2.541	3.351	11.0	20.9
12 23	7 40.77	+ 4 18.9	2.466	3.351	8.6	20.8
1 2	7 32.81	+ 4 25.1	2.417	3.350	6.2	20.6
1 12	7 24.09	+ 4 44.9	2.397	3.349	5.0	20.5
1 22	7 15.40	+ 5 16.7	2.407	3.348	5.9	20.6
2 1	7 7.52	+ 5 58.2	2.447	3.345	8.1	20.7
2 11	7 1.14	+ 6 46.0	2.514	3.342	10.6	20.9

225108 2008 DQ_{69} 1 10.8 154.°88 0.°8/10.5 18

12 3	7 59.67	+21 38.7	1.650	2.428	17.4	21.3
12 13	7 54.69	+22 7.9	1.569	2.435	13.8	21.1
12 23	7 46.49	+22 44.8	1.510	2.442	9.4	20.9
1 2	7 35.74	+23 25.0	1.477	2.448	4.5	20.6
1 12	7 23.66	+24 3.2	1.471	2.454	1.1	20.4
1 22	7 11.75	+24 34.9	1.495	2.459	5.9	20.7
2 1	7 1.49	+24 57.8	1.546	2.463	10.6	21.0
2 11	6 54.02	+25 12.0	1.622	2.466	14.7	21.2

236321 2006 BR_{61} 1 10.8 90.°48 14.°0/ 9.8 17

12 3	8 28.10	+57 7.2	1.665	2.375	19.8	19.9
12 13	8 19.11	+58 28.4	1.623	2.399	17.7	19.8
12 23	8 3.90	+59 27.4	1.599	2.423	15.7	19.7
1 2	7 44.00	+59 48.8	1.596	2.446	14.4	19.7
1 12	7 22.56	+59 22.8	1.616	2.469	14.1	19.7
1 22	7 3.13	+58 9.9	1.658	2.491	14.8	19.8
2 1	6 48.35	+56 19.9	1.724	2.513	16.3	20.0
2 11	6 39.27	+54 7.3	1.809	2.534	18.0	20.1

169318 2001 TH_{132} 1 10.8 115.°42 5.°8/ 7.9 18

12 3	7 56.12	+38 29.1	2.544	3.307	12.4	20.9
12 13	7 51.20	+39 38.8	2.470	3.316	10.1	20.7
12 23	7 43.74	+40 44.1	2.420	3.325	7.8	20.6
1 2	7 34.32	+41 38.8	2.397	3.333	6.1	20.5
1 12	7 23.88	+42 17.6	2.403	3.342	5.9	20.5
1 22	7 13.55	+42 37.7	2.437	3.350	7.4	20.6
2 1	7 4.46	+42 39.0	2.499	3.358	9.6	20.7
2 11	6 57.51	+42 24.2	2.585	3.366	11.7	20.9

325986 2010 VL_{178} 1 10.8 342.°88 1.°3/11.1 18

12 3	7 51.23	+18 44.4	1.560	2.354	17.5	20.9
12 13	7 48.23	+18 37.5	1.474	2.348	14.0	20.7
12 23	7 42.21	+18 39.0	1.408	2.342	9.7	20.4
1 2	7 33.74	+18 47.3	1.365	2.337	4.9	20.1
1 12	7 23.96	+19 0.1	1.349	2.332	1.4	19.9
1 22	7 14.24	+19 14.4	1.361	2.328	5.8	20.2
2 1	7 6.01	+19 28.2	1.398	2.325	10.7	20.4
2 11	7 0.37	+19 39.9	1.459	2.322	14.9	20.7

335950 2007 TR_{91} 1 10.8 79.°63 1.°7/11.4 18

12 3	7 50.99	+15 47.0	2.305	3.066	13.5	21.1
12 13	7 46.77	+15 46.9	2.225	3.079	10.8	21.0
12 23	7 40.49	+15 54.5	2.168	3.092	7.5	20.8
1 2	7 32.67	+16 8.9	2.138	3.105	4.0	20.6
1 12	7 24.13	+16 28.3	2.138	3.118	1.7	20.4
1 22	7 15.75	+16 50.4	2.167	3.131	4.4	20.6
2 1	7 8.41	+17 13.5	2.225	3.144	7.7	20.9
2 11	7 2.81	+17 35.8	2.310	3.156	10.8	21.1

281747 2008 YX_{156} 1 10.8 29.°23 1.°8/ 9.8 18

12 3	7 51.57	+21 59.9	1.999	2.781	14.6	20.2
12 13	7 47.90	+23 12.7	1.917	2.786	11.5	20.0
12 23	7 41.67	+24 34.4	1.857	2.791	7.8	19.8
1 2	7 33.40	+25 59.6	1.825	2.796	3.9	19.6
1 12	7 24.02	+27 22.1	1.822	2.802	2.0	19.5
1 22	7 14.64	+28 35.8	1.849	2.809	5.5	19.7
2 1	7 6.43	+29 37.1	1.905	2.815	9.3	20.0
2 11	7 0.36	+30 24.7	1.986	2.822	12.7	20.2

344332 2001 VL_{75} 1 10.8 333.°11 16.°0/ 6.5 18

	h m	° ′			°	m
12 3	7 50.19	+ 7 16.3	1.022	1.824	24.2	18.3
12 13	7 49.05	+ 3 32.0	0.929	1.791	21.3	17.9
12 23	7 43.88	− 0 20.7	0.856	1.758	18.3	17.6
1 2	7 35.03	− 4 6.4	0.803	1.728	16.3	17.4
1 12	7 23.73	− 7 25.7	0.772	1.699	16.4	17.3
1 22	7 11.86	−10 0.6	0.761	1.673	19.0	17.3
2 1	7 1.63	−11 40.9	0.770	1.649	22.8	17.4
2 11	6 54.95	−12 28.4	0.792	1.628	26.7	17.6

503080 2015 FF_{268} 1 10.8 331.°22 0.°1/10.7 18

12 3	7 50.34	+21 0.6	2.334	3.107	13.1	21.4
12 13	7 46.46	+21 16.7	2.242	3.105	10.3	21.2
12 23	7 40.43	+21 38.0	2.172	3.103	7.0	21.0
1 2	7 32.73	+22 2.3	2.130	3.101	3.4	20.7
1 12	7 24.16	+22 26.8	2.116	3.100	0.5	20.5
1 22	7 15.63	+22 49.1	2.133	3.098	4.3	20.8
2 1	7 8.10	+23 7.5	2.179	3.096	7.9	21.0
2 11	7 2.35	+23 21.1	2.251	3.095	11.1	21.2

81608 2000 HF_{65} 1 10.8 221.°40 2.°6/ 9.8 18

12 3	7 55.35	+26 36.5	1.992	2.771	14.8	20.2
12 13	7 51.00	+27 18.1	1.900	2.767	11.7	20.0
12 23	7 43.87	+28 3.2	1.831	2.762	8.1	19.8
1 2	7 34.50	+28 47.1	1.789	2.758	4.3	19.5
1 12	7 23.90	+29 24.3	1.775	2.752	2.8	19.4
1 22	7 13.30	+29 51.1	1.790	2.747	6.0	19.6
2 1	7 4.00	+30 5.6	1.834	2.742	9.8	19.8
2 11	6 57.03	+30 8.8	1.902	2.736	13.3	20.1

92703 2000 QE_{83} 1 10.8 84.°26 1.°2/10.4 18

12 3	7 58.84	+23 34.6	1.567	2.353	17.8	19.4
12 13	7 53.97	+23 55.0	1.502	2.373	14.0	19.2
12 23	7 45.89	+24 20.4	1.458	2.392	9.5	18.9
1 2	7 35.39	+24 46.2	1.439	2.411	4.6	18.7
1 12	7 23.80	+25 7.7	1.448	2.430	1.5	18.5
1 22	7 12.64	+25 21.5	1.485	2.449	6.0	18.9
2 1	7 3.33	+25 26.6	1.549	2.467	10.5	19.2
2 11	6 56.86	+25 24.3	1.637	2.485	14.4	19.5

457054 2008 DZ_{49} 1 10.8 241.°34 2.°6/ 9.8 18

12 3	7 55.41	+26 16.0	1.976	2.756	14.9	21.9
12 13	7 51.15	+27 0.2	1.880	2.746	11.8	21.7
12 23	7 44.04	+27 48.7	1.806	2.737	8.2	21.4
1 2	7 34.62	+28 36.7	1.758	2.727	4.3	21.2
1 12	7 23.88	+29 18.6	1.739	2.717	2.8	21.1
1 22	7 13.07	+29 50.0	1.750	2.707	6.1	21.3
2 1	7 3.52	+30 8.9	1.789	2.696	10.0	21.5
2 11	6 56.32	+30 15.9	1.852	2.685	13.6	21.7

256408 2007 AW_{18} 1 10.8 30.°68 0.°0/10.6 18

12 3	7 51.04	+17 10.8	1.299	2.104	19.8	19.4
12 13	7 48.39	+18 7.8	1.241	2.122	15.6	19.2
12 23	7 42.40	+19 20.2	1.203	2.141	10.6	18.9
1 2	7 33.82	+20 42.7	1.189	2.162	5.0	18.7
1 12	7 24.02	+22 7.2	1.200	2.183	0.7	18.4
1 22	7 14.56	+23 25.9	1.238	2.206	6.2	18.9
2 1	7 6.97	+24 33.1	1.302	2.229	11.2	19.2
2 11	7 2.30	+25 26.5	1.389	2.253	15.5	19.5

262865 2007 BZ_{40} 1 10.8 23.°99 0.°6/10.9 18

12 3	7 52.20	+18 57.4	1.676	2.463	16.8	21.0
12 13	7 48.71	+19 8.6	1.596	2.466	13.3	20.7
12 23	7 42.36	+19 28.6	1.537	2.470	9.2	20.5
1 2	7 33.76	+19 55.1	1.503	2.474	4.5	20.2
1 12	7 24.02	+20 24.5	1.496	2.478	0.8	20.0
1 22	7 14.42	+20 53.2	1.517	2.483	5.4	20.3
2 1	7 6.27	+21 18.6	1.565	2.488	10.0	20.6
2 11	7 0.55	+21 39.3	1.637	2.494	13.9	20.8

183331 2002 VF_{67} 1 10.8 35.°62 3.°3/11.7 18

12 3	7 52.46	+14 31.5	1.403	2.194	19.3	19.6
12 13	7 49.15	+14 9.3	1.339	2.208	15.5	19.4
12 23	7 42.72	+13 59.7	1.293	2.222	11.0	19.2
1 2	7 33.91	+14 2.5	1.271	2.237	6.2	19.0
1 12	7 24.01	+14 16.2	1.274	2.253	3.4	18.8
1 22	7 14.47	+14 37.7	1.304	2.269	6.5	19.0
2 1	7 6.65	+15 3.7	1.360	2.286	10.9	19.3
2 11	7 1.56	+15 31.2	1.438	2.303	15.0	19.6

488752 2004 SH_{36} 1 10.8 155.°32 3.°1/12.1 17

12 3	7 52.68	+10 49.7	2.684	3.417	12.5	23.4
12 13	7 47.77	+10 39.2	2.594	3.426	10.1	23.2
12 23	7 41.04	+10 37.7	2.527	3.434	7.4	23.0
1 2	7 32.93	+10 45.3	2.488	3.442	4.6	22.9
1 12	7 24.15	+11 1.1	2.478	3.449	3.1	22.8
1 22	7 15.47	+11 23.5	2.500	3.455	4.6	22.9
2 1	7 7.64	+11 50.7	2.552	3.461	7.3	23.1
2 11	7 1.33	+12 20.4	2.631	3.466	10.0	23.2

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
151634	2002 XX_{19}		1 10.8	44.°92	2.°6/10.1	18
	h m	° ′			°	m
12 3	7 57.53	+26 0.4	1.387	2.187	19.0	20.4
12 13	7 53.75	+26 27.9	1.311	2.189	15.1	20.1
12 23	7 46.26	+26 59.7	1.255	2.191	10.4	19.9
1 2	7 35.78	+27 30.0	1.222	2.194	5.3	19.6
1 12	7 23.74	+27 52.4	1.216	2.196	2.8	19.4
1 22	7 11.92	+28 2.7	1.236	2.198	7.2	19.7
2 1	7 2.10	+27 59.9	1.282	2.201	12.1	20.0
2 11	6 55.54	+27 46.3	1.350	2.203	16.5	20.3
111369	2001 XF_{132}		1 10.8	118.°43	2.°1/ 9.7	18
12 3	7 52.66	+27 22.8	2.824	3.589	11.2	20.5
12 13	7 47.85	+28 2.0	2.745	3.603	8.8	20.4
12 23	7 41.14	+28 42.4	2.690	3.618	6.0	20.2
1 2	7 32.99	+29 20.4	2.665	3.632	3.3	20.1
1 12	7 24.15	+29 52.8	2.670	3.646	2.2	20.0
1 22	7 15.44	+30 17.2	2.706	3.659	4.4	20.2
2 1	7 7.65	+30 32.7	2.771	3.672	7.2	20.4
2 11	7 1.48	+30 39.7	2.864	3.685	9.7	20.6
450340	2004 TA_{191}		1 10.8	21.°52	0.°9/10.9	17
12 3	7 52.00	+19 0.9	1.192	2.005	20.8	21.2
12 13	7 49.54	+19 3.6	1.127	2.012	16.5	21.0
12 23	7 43.43	+19 17.4	1.080	2.019	11.4	20.7
1 2	7 34.41	+19 40.0	1.054	2.027	5.6	20.4
1 12	7 23.95	+20 6.7	1.054	2.037	1.1	20.1
1 22	7 13.82	+20 33.3	1.078	2.047	6.7	20.5
2 1	7 5.71	+20 56.3	1.127	2.058	12.1	20.9
2 11	7 0.83	+21 14.3	1.197	2.070	16.8	21.2
323518	2004 RP_{93}		1 10.8	210.°25	3.°5/11.9	18
12 3	7 52.65	+11 22.3	2.368	3.111	13.7	21.0
12 13	7 48.14	+11 0.0	2.268	3.106	11.2	20.8
12 23	7 41.52	+10 46.9	2.190	3.100	8.2	20.6
1 2	7 33.26	+10 43.4	2.139	3.094	5.2	20.4
1 12	7 24.11	+10 49.2	2.117	3.087	3.5	20.3
1 22	7 14.98	+11 3.2	2.125	3.080	5.2	20.4
2 1	7 6.77	+11 23.4	2.162	3.073	8.3	20.6
2 11	7 0.27	+11 47.8	2.225	3.065	11.4	20.8
251079	2006 SC_{81}		1 10.8	39.°79	1.°2/11.1	18 R
12 3	7 53.38	+18 14.2	1.633	2.418	17.2	20.3
12 13	7 49.66	+18 14.9	1.554	2.423	13.7	20.1
12 23	7 43.02	+18 24.6	1.496	2.428	9.5	19.8
1 2	7 34.09	+18 41.4	1.462	2.433	4.8	19.6
1 12	7 23.99	+19 2.3	1.455	2.438	1.3	19.3
1 22	7 14.08	+19 24.2	1.477	2.443	5.6	19.6
2 1	7 5.66	+19 44.6	1.525	2.449	10.2	19.9
2 11	6 59.77	+20 2.1	1.597	2.455	14.2	20.2
491876	2013 BA_{21}		1 10.8	20.°37	1.°6/10.2	18
12 3	7 53.52	+20 28.8	1.347	2.151	19.3	21.2
12 13	7 50.65	+21 33.1	1.272	2.153	15.3	20.9
12 23	7 44.22	+22 51.5	1.217	2.156	10.4	20.7
1 2	7 34.86	+24 17.7	1.185	2.159	5.0	20.4
1 12	7 23.87	+25 42.8	1.180	2.162	1.9	20.2
1 22	7 12.94	+26 58.3	1.202	2.166	7.0	20.5
2 1	7 3.79	+27 58.8	1.249	2.171	12.2	20.8
2 11	6 57.78	+28 42.9	1.319	2.175	16.6	21.1
265851	2005 YE_{95}		1 10.8	102.°80	1.°1/11.1	18
12 3	7 53.35	+19 2.0	2.029	2.801	14.8	20.5
12 13	7 49.06	+18 52.4	1.941	2.802	11.7	20.3
12 23	7 42.31	+18 48.6	1.875	2.804	8.1	20.1
1 2	7 33.67	+18 49.3	1.836	2.806	4.1	19.8
1 12	7 24.07	+18 52.7	1.825	2.808	1.2	19.6
1 22	7 14.61	+18 57.0	1.844	2.809	4.8	19.9
2 1	7 6.36	+19 1.1	1.891	2.811	8.8	20.1
2 11	7 0.18	+19 4.2	1.964	2.813	12.3	20.3
315488	2007 YZ_{71}		1 10.8	277.°43	0.°5/11.0	18
12 3	7 52.94	+15 55.6	1.766	2.541	16.5	20.9
12 13	7 49.36	+16 49.4	1.672	2.535	13.2	20.7
12 23	7 42.94	+17 58.5	1.599	2.529	9.1	20.4
1 2	7 34.16	+19 19.5	1.552	2.523	4.5	20.2
1 12	7 23.99	+20 46.6	1.534	2.517	0.7	19.9
1 22	7 13.70	+22 12.9	1.546	2.511	5.5	20.2
2 1	7 4.64	+23 32.6	1.585	2.505	10.1	20.4
2 11	6 57.92	+24 42.0	1.650	2.500	14.2	20.7
481516	2007 FY_{11}		1 10.8	330.°60	20.°1/ 6.7	18
12 3	8 21.31	+61 39.7	1.268	2.002	23.9	20.2
12 13	8 18.21	+63 32.1	1.209	1.989	22.3	20.1
12 23	8 6.33	+65 0.5	1.165	1.978	21.0	19.9
1 2	7 46.36	+65 43.6	1.136	1.967	20.2	19.9
1 12	7 22.31	+65 22.6	1.124	1.957	20.3	19.8
1 22	7 0.12	+63 52.3	1.129	1.949	21.2	19.8
2 1	6 44.55	+61 23.1	1.152	1.941	22.8	19.9
2 11	6 37.19	+58 14.8	1.190	1.934	24.7	20.1

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
65092	2002 CK_1		1 10.8	188.°57	5.°0/ 8.5	18
	h m	° ′			°	m
12 3	7 56.49	+33 36.8	2.201	2.974	13.7	19.7
12 13	7 51.86	+34 46.3	2.116	2.974	11.0	19.5
12 23	7 44.45	+35 55.3	2.054	2.973	8.1	19.3
1 2	7 34.80	+36 57.0	2.019	2.972	5.7	19.1
1 12	7 23.92	+37 45.1	2.014	2.971	5.2	19.1
1 22	7 13.06	+38 15.5	2.037	2.970	7.3	19.2
2 1	7 3.48	+38 27.2	2.088	2.968	10.2	19.4
2 11	6 56.22	+38 22.5	2.163	2.966	13.0	19.6
258050	2001 NO_{10}		1 10.8	118.°81	0.°5/10.9	18
12 3	7 56.75	+19 55.0	2.211	2.971	14.1	21.6
12 13	7 51.34	+19 59.3	2.135	2.990	11.1	21.4
12 23	7 43.63	+20 8.8	2.082	3.009	7.5	21.2
1 2	7 34.22	+20 21.3	2.056	3.026	3.7	21.0
1 12	7 24.04	+20 34.6	2.061	3.044	0.6	20.8
1 22	7 14.11	+20 46.4	2.096	3.060	4.4	21.1
2 1	7 5.42	+20 55.7	2.161	3.076	8.1	21.4
2 11	6 58.73	+21 2.1	2.252	3.091	11.3	21.6
327908	2007 CV_{78}		1 10.8	349.°34	0.°8/10.5	18
12 3	7 52.41	+21 35.5	1.792	2.578	15.9	20.9
12 13	7 48.85	+22 6.0	1.706	2.577	12.6	20.7
12 23	7 42.48	+22 44.1	1.641	2.575	8.6	20.4
1 2	7 33.88	+23 26.1	1.602	2.574	4.1	20.1
1 12	7 24.07	+24 7.3	1.591	2.573	1.1	19.9
1 22	7 14.31	+24 43.6	1.608	2.572	5.5	20.2
2 1	7 5.89	+25 12.3	1.653	2.572	9.9	20.5
2 11	6 59.83	+25 32.5	1.722	2.572	13.7	20.7
259865	2004 CR_{105}		1 10.8	23.°17	7.°9/ 7.3	17
12 3	7 56.54	+34 52.7	1.537	2.334	17.6	19.6
12 13	7 53.25	+36 47.7	1.468	2.338	14.3	19.4
12 23	7 46.17	+38 43.3	1.421	2.342	10.9	19.2
1 2	7 35.88	+40 27.8	1.399	2.346	8.4	19.1
1 12	7 23.77	+41 49.7	1.403	2.351	8.3	19.1
1 22	7 11.70	+42 41.9	1.433	2.356	10.6	19.2
2 1	7 1.56	+43 3.2	1.487	2.361	13.9	19.4
2 11	6 54.81	+42 58.6	1.562	2.367	17.0	19.6
235605	2004 PN_{64}		1 10.8	87.°07	1.°2/11.1	17
12 3	7 58.95	+17 57.0	1.599	2.375	18.0	20.8
12 13	7 53.80	+18 2.7	1.537	2.400	14.2	20.6
12 23	7 45.65	+18 17.6	1.495	2.425	9.7	20.4
1 2	7 35.27	+18 39.2	1.479	2.449	4.8	20.2
1 12	7 23.92	+19 4.0	1.490	2.473	1.3	20.0
1 22	7 13.02	+19 28.5	1.531	2.496	5.6	20.4
2 1	7 3.88	+19 50.5	1.599	2.519	10.0	20.7
2 11	6 57.41	+20 8.9	1.691	2.542	13.8	21.0
79826	Finardi		1 10.8	1.°84	0.°6/10.9	18
12 3	7 46.52	+18 28.4	1.167	1.990	20.5	18.6
12 13	7 45.44	+18 46.2	1.097	1.988	16.3	18.4
12 23	7 40.81	+19 17.6	1.044	1.986	11.3	18.1
1 2	7 33.27	+20 0.0	1.013	1.987	5.5	17.8
1 12	7 24.17	+20 47.8	1.006	1.989	0.9	17.4
1 22	7 15.23	+21 35.0	1.023	1.993	6.7	17.9
2 1	7 8.16	+22 16.7	1.064	1.998	12.3	18.2
2 11	7 4.23	+22 50.0	1.126	2.006	17.1	18.5
34875	2001 US_{22}		1 10.8	61.°89	8.°3/ 8.4	18
12 3	8 1.33	+40 48.5	1.743	2.519	16.7	17.9
12 13	7 56.42	+42 3.5	1.686	2.536	13.8	17.7
12 23	7 47.86	+43 10.2	1.650	2.553	10.9	17.6
1 2	7 36.46	+43 59.1	1.638	2.571	8.7	17.5
1 12	7 23.75	+44 22.5	1.652	2.588	8.4	17.5
1 22	7 11.54	+44 17.8	1.693	2.605	10.1	17.7
2 1	7 1.48	+43 47.4	1.759	2.623	12.6	17.9
2 11	6 54.69	+42 57.7	1.846	2.641	15.2	18.1
49405	1998 XW_{46}		1 10.8	35.°77	2.°0/10.3	18
12 3	7 55.08	+25 45.1	1.477	2.277	18.1	18.5
12 13	7 51.39	+26 1.5	1.409	2.287	14.2	18.2
12 23	7 44.37	+26 21.1	1.361	2.298	9.7	18.0
1 2	7 34.79	+26 39.0	1.337	2.309	4.9	17.8
1 12	7 24.00	+26 50.4	1.340	2.321	2.2	17.6
1 22	7 13.58	+26 52.5	1.370	2.334	6.4	17.9
2 1	7 5.03	+26 44.9	1.426	2.347	11.0	18.2
2 11	6 59.39	+26 29.3	1.505	2.360	15.0	18.5
250210	2002 VP_{31}		1 10.8	26.°44	5.°5/12.1	18
12 3	7 51.35	+11 13.7	1.371	2.158	19.9	20.0
12 13	7 48.36	+10 26.0	1.305	2.168	16.2	19.7
12 23	7 42.25	+ 9 52.7	1.258	2.179	12.0	19.5
1 2	7 33.76	+ 9 36.1	1.233	2.191	7.8	19.3
1 12	7 24.14	+ 9 36.5	1.233	2.204	5.5	19.2
1 22	7 14.84	+ 9 52.0	1.259	2.217	7.6	19.4
2 1	7 7.23	+10 18.9	1.309	2.232	11.6	19.6
2 11	7 2.33	+10 52.7	1.382	2.247	15.5	19.9

439259 2012 TX_{308} 1 10.8 127.°57 0.°1/10.7 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 59.99	+20 17.3	1.616	2.393	17.8	21.8
12 13	7 54.89	+20 41.2	1.543	2.407	14.0	21.5
12 23	7 46.60	+21 13.6	1.490	2.421	9.6	21.3
1 2	7 35.84	+21 50.6	1.463	2.434	4.6	21.1
1 12	7 23.87	+22 27.1	1.464	2.447	0.7	20.8
1 22	7 12.17	+22 59.0	1.494	2.459	5.8	21.2
2 1	7 2.19	+23 23.8	1.552	2.470	10.5	21.5
2 11	6 54.99	+23 41.2	1.633	2.480	14.5	21.8

465168 2007 EM_{16} 1 10.8 288.°87 2.°8/11.9 17

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 50.99	+12 40.6	1.955	2.719	15.5	21.5
12 13	7 47.60	+12 49.6	1.844	2.697	12.7	21.2
12 23	7 41.66	+13 11.7	1.754	2.675	9.2	21.0
1 2	7 33.56	+13 46.7	1.689	2.652	5.3	20.7
1 12	7 24.16	+14 32.7	1.652	2.630	2.8	20.5
1 22	7 14.53	+15 26.1	1.643	2.607	5.5	20.6
2 1	7 5.86	+16 22.9	1.663	2.585	9.7	20.8
2 11	6 59.22	+17 19.2	1.709	2.562	13.6	21.0

417054 2005 UB_{183} 1 10.8 116.°20 2.°5/11.6 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 54.10	+14 23.3	2.170	2.924	14.5	21.7
12 13	7 49.33	+14 9.6	2.090	2.938	11.6	21.5
12 23	7 42.32	+14 4.4	2.032	2.951	8.2	21.4
1 2	7 33.65	+14 7.3	2.001	2.964	4.7	21.2
1 12	7 24.18	+14 17.0	1.999	2.976	2.5	21.0
1 22	7 14.91	+14 31.7	2.027	2.988	4.9	21.2
2 1	7 6.78	+14 49.6	2.084	3.000	8.3	21.5
2 11	7 0.57	+15 8.8	2.167	3.012	11.5	21.7

69080 2003 AA_{62} 1 10.8 110.°49 6.°3/14.9 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 55.69	− 1 56.1	2.172	2.858	16.3	19.2
12 13	7 50.55	− 1 22.0	2.088	2.875	13.9	19.1
12 23	7 43.16	− 0 25.0	2.025	2.892	11.0	18.9
1 2	7 34.07	+ 0 55.3	1.987	2.909	8.2	18.8
1 12	7 24.13	+ 2 36.7	1.979	2.925	6.4	18.7
1 22	7 14.30	+ 4 33.6	2.001	2.941	6.9	18.8
2 1	7 5.57	+ 6 39.0	2.054	2.956	9.2	18.9
2 11	6 58.73	+ 8 45.3	2.136	2.971	12.0	19.1

354928 2006 DN_{140} 1 10.8 228.°30 0.°2/10.9 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 56.24	+19 21.2	2.018	2.784	15.0	21.8
12 13	7 51.65	+19 44.6	1.914	2.773	12.0	21.5
12 23	7 44.36	+20 16.3	1.832	2.760	8.3	21.3
1 2	7 34.84	+20 53.8	1.777	2.747	4.0	21.0
1 12	7 24.02	+21 33.3	1.751	2.734	0.6	20.7
1 22	7 13.07	+22 10.8	1.755	2.719	5.1	21.0
2 1	7 3.24	+22 43.6	1.788	2.704	9.4	21.2
2 11	6 55.60	+23 10.3	1.847	2.689	13.3	21.5

344487 2002 QR_{48} 1 10.8 92.°54 0.°0/10.7 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	8 0.46	+19 35.3	1.468	2.250	19.0	21.8
12 13	7 55.37	+20 1.2	1.407	2.274	14.9	21.6
12 23	7 46.93	+20 36.8	1.365	2.298	10.2	21.3
1 2	7 35.98	+21 17.7	1.349	2.321	4.9	21.1
1 12	7 23.89	+21 58.5	1.360	2.343	0.7	20.8
1 22	7 12.26	+22 34.5	1.399	2.365	6.0	21.3
2 1	7 2.58	+23 3.1	1.466	2.386	10.8	21.6
2 11	6 55.87	+23 23.8	1.556	2.407	14.8	21.9

381231 2007 ST_{23} 1 10.8 73.°50 1.°5/10.1 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 51.58	+23 56.9	2.312	3.087	13.1	20.6
12 13	7 47.54	+24 39.5	2.227	3.092	10.3	20.4
12 23	7 41.25	+25 26.6	2.165	3.097	7.0	20.3
1 2	7 33.22	+26 14.5	2.131	3.102	3.5	20.0
1 12	7 24.28	+26 59.2	2.126	3.107	1.7	19.9
1 22	7 15.41	+27 37.0	2.152	3.112	4.8	20.1
2 1	7 7.59	+28 6.1	2.206	3.117	8.2	20.4
2 11	7 1.63	+28 26.1	2.287	3.122	11.3	20.6

94977 2001 YU_{113} 1 10.8 323.°01 2.°4/10.2 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 52.71	+24 48.7	1.327	2.138	19.1	19.6
12 13	7 50.36	+25 18.8	1.240	2.125	15.3	19.3
12 23	7 44.30	+25 56.0	1.172	2.111	10.6	19.0
1 2	7 35.08	+26 34.9	1.126	2.099	5.4	18.7
1 12	7 24.00	+27 8.8	1.106	2.087	2.6	18.5
1 22	7 12.83	+27 32.0	1.111	2.076	7.4	18.8
2 1	7 3.47	+27 42.0	1.141	2.065	12.8	19.0
2 11	6 57.37	+27 39.8	1.192	2.055	17.6	19.3

328331 2008 JT_{30} 1 10.8 126.°00 2.°7/12.0 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 52.60	+11 50.0	2.224	2.973	14.3	21.1
12 13	7 48.18	+12 1.5	2.141	2.984	11.5	20.9
12 23	7 41.59	+12 24.6	2.079	2.994	8.3	20.7
1 2	7 33.35	+12 58.4	2.044	3.004	4.8	20.6
1 12	7 24.28	+13 40.7	2.038	3.014	2.7	20.4
1 22	7 15.31	+14 28.3	2.062	3.024	4.8	20.6
2 1	7 7.38	+15 18.0	2.116	3.033	8.2	20.8
2 11	7 1.27	+16 6.7	2.196	3.041	11.3	21.0

373872 2003 SN_{63} 1 10.8 316.°89 0.°1/10.8 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 53.37	+22 10.2	2.095	2.870	14.3	20.9
12 13	7 49.10	+22 10.1	2.005	2.869	11.3	20.7
12 23	7 42.39	+22 13.8	1.937	2.869	7.7	20.5
1 2	7 33.78	+22 19.2	1.896	2.868	3.7	20.2
1 12	7 24.22	+22 23.8	1.884	2.867	0.5	20.0
1 22	7 14.76	+22 25.8	1.902	2.867	4.7	20.3
2 1	7 6.50	+22 24.3	1.948	2.866	8.7	20.5
2 11	7 0.29	+22 19.3	2.019	2.866	12.1	20.7

378981 2008 UJ_{263} 1 10.8 92.°17 2.°8/11.6 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 52.51	+14 24.4	2.282	3.037	13.8	21.1
12 13	7 48.00	+13 55.3	2.198	3.045	11.1	20.9
12 23	7 41.40	+13 33.4	2.136	3.054	7.9	20.7
1 2	7 33.23	+13 19.0	2.101	3.063	4.7	20.5
1 12	7 24.31	+13 11.5	2.095	3.071	2.8	20.4
1 22	7 15.55	+13 10.1	2.120	3.079	4.9	20.6
2 1	7 7.85	+13 13.6	2.173	3.088	8.1	20.8
2 11	7 1.93	+13 20.6	2.252	3.096	11.1	21.0

87750 2000 SN_{73} 1 10.8 148.°40 5.°3/ 8.6 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 58.94	+36 7.8	2.356	3.120	13.2	20.6
12 13	7 53.54	+37 7.1	2.278	3.128	10.7	20.4
12 23	7 45.45	+38 2.9	2.224	3.136	8.0	20.3
1 2	7 35.27	+38 49.0	2.196	3.143	5.8	20.2
1 12	7 24.03	+39 19.9	2.198	3.150	5.4	20.1
1 22	7 12.93	+39 32.7	2.229	3.156	7.2	20.3
2 1	7 3.19	+39 27.5	2.288	3.162	9.7	20.4
2 11	6 55.75	+39 7.3	2.372	3.167	12.2	20.6

109703 2001 RX_{41} 1 10.8 308.°83 6.°7/13.9 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 48.15	+ 0 55.2	2.263	2.977	15.0	20.0
12 13	7 44.77	+ 0 33.1	2.165	2.970	12.8	19.8
12 23	7 39.36	+ 0 27.6	2.088	2.963	10.4	19.6
1 2	7 32.33	+ 0 41.2	2.035	2.956	8.1	19.5
1 12	7 24.43	+ 1 14.4	2.008	2.949	6.7	19.4
1 22	7 16.50	+ 2 5.6	2.009	2.942	7.4	19.4
2 1	7 9.43	+ 3 11.1	2.038	2.935	9.5	19.5
2 11	7 4.00	+ 4 26.0	2.092	2.929	12.1	19.7

424975 2009 BQ_{55} 1 10.8 356.°17 6.°0/10.3 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 56.27	+37 30.0	1.524	2.321	17.8	20.1
12 13	7 52.75	+37 29.5	1.444	2.314	14.5	19.8
12 23	7 45.52	+37 19.2	1.384	2.309	10.8	19.6
1 2	7 35.43	+36 52.5	1.348	2.305	7.3	19.4
1 12	7 24.01	+36 4.5	1.337	2.302	6.1	19.3
1 22	7 13.05	+34 55.3	1.352	2.301	8.4	19.4
2 1	7 4.21	+33 29.1	1.393	2.302	12.2	19.7
2 11	6 58.61	+31 53.3	1.457	2.304	15.9	19.9

381321 2007 VU_{228} 1 10.8 211.°08 1.°7/10.1 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 52.07	+26 10.9	2.550	3.321	12.1	21.3
12 13	7 47.75	+26 38.0	2.457	3.319	9.5	21.1
12 23	7 41.31	+27 7.1	2.387	3.316	6.5	20.9
1 2	7 33.24	+27 35.1	2.344	3.314	3.4	20.7
1 12	7 24.31	+27 58.7	2.332	3.311	1.9	20.6
1 22	7 15.43	+28 15.4	2.350	3.309	4.6	20.8
2 1	7 7.51	+28 24.1	2.398	3.306	7.8	20.9
2 11	7 1.32	+28 25.2	2.471	3.303	10.7	21.1

127231 2002 JM_{15} 1 10.8 316.°91 5.°0/12.4 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 49.10	+ 9 0.2	1.797	2.560	16.7	19.6
12 13	7 46.20	+ 8 39.2	1.698	2.545	13.9	19.4
12 23	7 40.72	+ 8 32.5	1.618	2.530	10.5	19.1
1 2	7 33.13	+ 8 41.8	1.562	2.516	7.0	18.9
1 12	7 24.31	+ 9 7.1	1.533	2.502	5.0	18.7
1 22	7 15.39	+ 9 46.2	1.531	2.488	6.7	18.8
2 1	7 7.57	+10 35.4	1.556	2.475	10.4	19.0
2 11	7 1.87	+11 30.2	1.605	2.463	14.1	19.2

241162 2007 RC_{98} 1 10.8 160.°89 3.°3/12.1 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 55.47	+10 57.5	2.121	2.864	15.1	22.0
12 13	7 50.56	+10 56.9	2.032	2.871	12.3	21.8
12 23	7 43.30	+11 8.4	1.966	2.877	8.9	21.6
1 2	7 34.22	+11 31.7	1.925	2.883	5.4	21.4
1 12	7 24.19	+12 5.2	1.914	2.888	3.3	21.2
1 22	7 14.24	+12 45.9	1.933	2.892	5.3	21.4
2 1	7 5.41	+13 30.7	1.981	2.896	8.8	21.6
2 11	6 58.54	+14 16.5	2.056	2.898	12.1	21.8

457032 2008 CZ_{169} 1 10.8 277.°51 2.°0/10.4 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 57.02	+27 12.3	1.801	2.584	15.9	21.5
12 13	7 52.61	+27 16.7	1.707	2.576	12.7	21.3
12 23	7 45.15	+27 21.8	1.635	2.568	8.8	21.0
1 2	7 35.25	+27 23.5	1.589	2.559	4.5	20.7
1 12	7 24.04	+27 17.9	1.571	2.551	2.2	20.6
1 22	7 12.94	+27 3.1	1.581	2.543	6.0	20.8
2 1	7 3.34	+26 39.2	1.619	2.534	10.3	21.0
2 11	6 56.33	+26 8.4	1.681	2.526	14.2	21.2

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
443919	2002 QJ_{36}		1 10.8	155.°25	0.°1/10.8	18
	h m	° ′			°	m
12 3	7 59.94	+19 28.5	1.908	2.671	15.9	22.7
12 13	7 54.48	+20 4.2	1.824	2.682	12.6	22.5
12 23	7 46.19	+20 48.6	1.763	2.691	8.6	22.3
1 2	7 35.67	+21 38.1	1.729	2.700	4.1	22.0
1 12	7 23.99	+22 27.7	1.724	2.707	0.6	21.8
1 22	7 12.43	+23 12.9	1.750	2.714	5.2	22.1
2 1	7 2.27	+23 50.9	1.805	2.720	9.5	22.4
2 11	6 54.51	+24 20.8	1.886	2.724	13.2	22.6
37929	1998 FY_{122}		1 10.8	241.°56	6.°9/13.5	18
12 3	7 50.86	+ 0 28.6	2.416	3.117	14.5	19.7
12 13	7 46.80	− 0 6.5	2.310	3.104	12.5	19.5
12 23	7 40.71	− 0 26.8	2.224	3.090	10.2	19.3
1 2	7 32.99	− 0 29.4	2.162	3.076	8.1	19.2
1 12	7 24.35	− 0 13.1	2.128	3.062	6.9	19.1
1 22	7 15.63	+ 0 21.5	2.122	3.047	7.6	19.1
2 1	7 7.70	+ 1 11.6	2.144	3.031	9.6	19.2
2 11	7 1.35	+ 2 13.0	2.191	3.015	12.1	19.3
191955	2005 UB_{155}		1 10.8	125.°35	3.°8/ 9.6	18
12 3	8 2.43	+28 55.0	1.796	2.570	16.3	21.2
12 13	7 56.72	+29 50.1	1.726	2.588	12.9	21.0
12 23	7 47.83	+30 46.8	1.678	2.606	9.0	20.8
1 2	7 36.46	+31 38.0	1.657	2.622	5.2	20.6
1 12	7 23.89	+32 17.1	1.665	2.638	3.9	20.6
1 22	7 11.64	+32 40.2	1.702	2.653	6.9	20.8
2 1	7 1.14	+32 46.7	1.767	2.667	10.6	21.0
2 11	6 53.46	+32 39.4	1.856	2.680	14.0	21.3
113477	2002 SS_{58}		1 10.8	29.°07	0.°5/10.9	18
12 3	7 51.32	+20 2.9	1.632	2.425	16.9	19.6
12 13	7 47.93	+20 5.3	1.568	2.442	13.3	19.4
12 23	7 41.75	+20 15.0	1.524	2.459	9.1	19.2
1 2	7 33.50	+20 29.4	1.505	2.477	4.4	18.9
1 12	7 24.30	+20 45.6	1.513	2.496	0.7	18.7
1 22	7 15.45	+21 0.8	1.549	2.516	5.3	19.1
2 1	7 8.13	+21 13.1	1.611	2.536	9.6	19.4
2 11	7 3.23	+21 21.8	1.698	2.557	13.3	19.7
376421	2012 GO_{31}		1 10.8	159.°45	1.°3/11.3	18
12 3	7 53.32	+17 12.7	2.478	3.233	12.9	22.1
12 13	7 48.56	+17 11.6	2.387	3.238	10.2	21.9
12 23	7 41.77	+17 16.7	2.320	3.243	7.1	21.7
1 2	7 33.43	+17 26.8	2.280	3.248	3.7	21.5
1 12	7 24.31	+17 40.4	2.271	3.252	1.3	21.3
1 22	7 15.30	+17 55.5	2.292	3.256	4.2	21.5
2 1	7 7.25	+18 10.7	2.343	3.259	7.5	21.8
2 11	7 0.90	+18 24.9	2.421	3.262	10.5	22.0
363196	2001 UQ_{57}		1 10.8	128.°73	0.°0/10.7	18
12 3	7 55.87	+20 47.4	2.228	2.991	13.9	22.3
12 13	7 50.77	+21 1.4	2.148	3.005	10.9	22.1
12 23	7 43.36	+21 20.6	2.091	3.019	7.4	21.9
1 2	7 34.20	+21 42.4	2.061	3.032	3.6	21.7
1 12	7 24.22	+22 3.9	2.062	3.045	0.5	21.5
1 22	7 14.42	+22 22.6	2.093	3.057	4.5	21.8
2 1	7 5.81	+22 37.1	2.153	3.068	8.1	22.1
2 11	6 59.18	+22 47.2	2.240	3.079	11.3	22.3
455500	2003 UD_{388}		1 10.8	54.°36	0.°3/10.7	16
12 3	7 55.25	+19 47.8	1.419	2.214	18.9	21.4
12 13	7 51.49	+20 23.4	1.358	2.233	14.9	21.1
12 23	7 44.45	+21 9.6	1.316	2.252	10.1	20.9
1 2	7 34.89	+22 1.6	1.299	2.272	4.8	20.7
1 12	7 24.14	+22 53.3	1.308	2.291	0.8	20.4
1 22	7 13.76	+23 39.4	1.345	2.311	6.1	20.8
2 1	7 5.23	+24 16.5	1.408	2.331	10.9	21.2
2 11	6 59.59	+24 43.8	1.494	2.352	15.0	21.5
461116	2015 DL_{117}		1 10.8	54.°95	4.°8/ 9.0	18
12 3	7 54.96	+33 49.4	2.138	2.916	13.9	21.1
12 13	7 50.59	+34 40.2	2.063	2.924	11.2	20.9
12 23	7 43.53	+35 28.8	2.010	2.932	8.1	20.7
1 2	7 34.39	+36 9.1	1.984	2.940	5.5	20.6
1 12	7 24.21	+36 36.0	1.986	2.948	4.9	20.6
1 22	7 14.23	+36 46.6	2.017	2.956	6.9	20.7
2 1	7 5.62	+36 40.8	2.075	2.964	9.8	20.9
2 11	6 59.33	+36 21.3	2.157	2.973	12.6	21.1
325291	2008 HB_{15}		1 10.8	205.°63	0.°5/11.0	18
12 3	7 53.58	+18 31.6	2.262	3.025	13.7	21.8
12 13	7 49.15	+18 52.3	2.165	3.021	10.9	21.6
12 23	7 42.41	+19 20.6	2.090	3.017	7.5	21.3
1 2	7 33.85	+19 54.3	2.042	3.012	3.7	21.1
1 12	7 24.29	+20 30.4	2.024	3.007	0.6	20.8
1 22	7 14.71	+21 5.8	2.037	3.001	4.5	21.1
2 1	7 6.13	+21 38.0	2.079	2.995	8.3	21.3
2 11	6 59.43	+22 5.5	2.147	2.989	11.6	21.5

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
258077	2001 PR_{16}		1 10.8	139.°77	2.°7/11.5	18
	h m	° ′			°	m
12 3	7 56.30	+15 9.5	2.151	2.903	14.6	21.3
12 13	7 51.11	+14 38.2	2.066	2.913	11.7	21.1
12 23	7 43.59	+14 13.8	2.003	2.922	8.4	20.9
1 2	7 34.34	+13 56.4	1.968	2.930	4.8	20.7
1 12	7 24.24	+13 45.5	1.962	2.938	2.7	20.6
1 22	7 14.34	+13 40.3	1.986	2.946	5.1	20.8
2 1	7 5.62	+13 39.7	2.039	2.953	8.6	21.0
2 11	6 58.89	+13 42.6	2.118	2.960	11.8	21.2
286776	2002 JY_{65}		1 10.8	287.°50	0.°4/10.7	18
12 3	7 54.05	+21 9.9	1.608	2.398	17.3	20.7
12 13	7 50.70	+21 30.2	1.511	2.384	13.8	20.5
12 23	7 44.15	+21 59.1	1.435	2.370	9.5	20.2
1 2	7 34.93	+22 33.2	1.384	2.356	4.6	19.9
1 12	7 24.14	+23 8.0	1.359	2.342	0.8	19.6
1 22	7 13.21	+23 38.9	1.362	2.328	6.1	19.9
2 1	7 3.70	+24 2.9	1.392	2.314	11.1	20.1
2 11	6 56.89	+24 19.2	1.445	2.301	15.5	20.4
278428	2007 RW_{257}		1 10.8	146.°74	2.°5/11.9	18
12 3	7 50.93	+12 36.6	2.736	3.477	12.1	21.4
12 13	7 46.47	+12 30.1	2.646	3.485	9.7	21.3
12 23	7 40.23	+12 31.6	2.580	3.493	7.0	21.1
1 2	7 32.68	+12 40.9	2.541	3.500	4.2	20.9
1 12	7 24.48	+12 56.8	2.532	3.506	2.5	20.8
1 22	7 16.36	+13 17.9	2.553	3.513	4.2	20.9
2 1	7 9.06	+13 42.4	2.605	3.519	7.0	21.1
2 11	7 3.22	+14 8.4	2.684	3.524	9.7	21.3
124163	2001 OG_{14}		1 10.8	200.°44	1.°2/10.5	18
12 3	8 0.24	+24 34.6	1.817	2.591	16.2	20.6
12 13	7 55.05	+24 41.0	1.725	2.588	12.8	20.4
12 23	7 46.78	+24 50.3	1.654	2.585	8.8	20.2
1 2	7 36.05	+24 58.8	1.609	2.580	4.3	19.9
1 12	7 24.01	+25 2.8	1.593	2.575	1.4	19.7
1 22	7 12.06	+24 59.7	1.607	2.570	5.7	19.9
2 1	7 1.63	+24 49.1	1.648	2.563	10.2	20.2
2 11	6 53.81	+24 32.5	1.715	2.556	14.1	20.4
296970	2010 EA_{77}		1 10.8	216.°60	2.°0/11.5	18
12 3	7 56.22	+15 20.4	2.037	2.794	15.2	22.3
12 13	7 51.50	+15 20.7	1.935	2.786	12.3	22.1
12 23	7 44.19	+15 30.5	1.855	2.777	8.7	21.9
1 2	7 34.78	+15 48.8	1.801	2.767	4.7	21.6
1 12	7 24.18	+16 13.5	1.776	2.756	2.1	21.4
1 22	7 13.51	+16 41.9	1.781	2.745	5.2	21.6
2 1	7 3.94	+17 11.5	1.815	2.733	9.3	21.8
2 11	6 56.48	+17 40.2	1.875	2.720	13.0	22.0
363373	2002 TB_{194}		1 10.8	42.°69	10.°1/14.5	18
12 3	7 51.11	− 1 2.5	1.535	2.268	20.4	20.5
12 13	7 47.83	− 2 8.3	1.470	2.281	17.6	20.3
12 23	7 41.77	− 2 51.1	1.422	2.294	14.5	20.2
1 2	7 33.58	− 3 5.6	1.395	2.308	11.7	20.1
1 12	7 24.36	− 2 49.6	1.392	2.322	10.2	20.0
1 22	7 15.38	− 2 5.0	1.413	2.337	10.7	20.1
2 1	7 7.84	− 0 57.4	1.458	2.352	12.9	20.2
2 11	7 2.71	+ 0 25.0	1.526	2.367	15.6	20.4
234913	2002 TB_{283}		1 10.8	86.°84	1.°7/11.4	18
12 3	7 53.88	+16 58.5	2.369	3.125	13.4	20.4
12 13	7 48.91	+16 39.9	2.295	3.146	10.6	20.3
12 23	7 41.93	+16 27.1	2.244	3.166	7.4	20.1
1 2	7 33.48	+16 19.5	2.220	3.187	3.9	19.9
1 12	7 24.39	+16 16.0	2.227	3.207	1.8	19.8
1 22	7 15.55	+16 15.6	2.264	3.227	4.3	20.0
2 1	7 7.82	+16 17.1	2.330	3.246	7.6	20.2
2 11	7 1.85	+16 19.7	2.423	3.265	10.5	20.5
440019	2002 NG_{69}		1 10.8	112.°87	1.°8/11.2	18
12 3	8 1.12	+17 59.2	1.588	2.360	18.2	21.9
12 13	7 55.64	+17 42.8	1.519	2.379	14.5	21.7
12 23	7 47.03	+17 34.5	1.469	2.396	10.0	21.5
1 2	7 36.07	+17 32.7	1.445	2.414	5.2	21.2
1 12	7 24.04	+17 35.2	1.449	2.430	1.8	21.1
1 22	7 12.41	+17 39.9	1.482	2.446	5.8	21.4
2 1	7 2.57	+17 45.3	1.542	2.462	10.4	21.7
2 11	6 55.51	+17 50.6	1.626	2.476	14.3	21.9
382364	2013 TZ_{94}		1 10.8	59.°57	4.°1/ 9.1	18
12 3	7 54.10	+31 33.2	2.207	2.985	13.6	21.1
12 13	7 49.86	+32 26.1	2.124	2.987	10.8	20.9
12 23	7 43.04	+33 18.8	2.064	2.989	7.7	20.7
1 2	7 34.20	+34 5.9	2.031	2.991	4.9	20.5
1 12	7 24.29	+34 42.1	2.027	2.994	4.2	20.5
1 22	7 14.46	+35 4.0	2.052	2.996	6.4	20.6
2 1	7 5.87	+35 10.8	2.105	2.998	9.5	20.8
2 11	6 59.46	+35 4.2	2.182	3.001	12.4	21.0

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
39155	2000 WK_{103}		1 10.8	94.°61	4.°4/12.4	18
	h m	° ′			°	m
12 3	7 54.94	+ 9 50.5	1.678	2.436	17.9	19.1
12 13	7 50.65	+ 9 39.7	1.605	2.451	14.6	18.9
12 23	7 43.61	+ 9 44.4	1.553	2.466	10.7	18.7
1 2	7 34.45	+10 4.8	1.524	2.480	6.7	18.5
1 12	7 24.27	+10 39.3	1.523	2.495	4.4	18.4
1 22	7 14.32	+11 24.2	1.549	2.508	6.4	18.5
2 1	7 5.81	+12 15.3	1.604	2.522	10.2	18.8
2 11	6 59.69	+13 8.2	1.682	2.536	13.8	19.0
415469	2014 NL_{58}		1 10.8	83.°80	1.°9/10.0	18
12 3	7 57.10	+23 17.3	1.797	2.577	16.1	21.1
12 13	7 52.38	+24 16.1	1.731	2.599	12.6	20.9
12 23	7 44.79	+25 21.3	1.688	2.620	8.6	20.7
1 2	7 35.02	+26 27.2	1.671	2.642	4.2	20.5
1 12	7 24.20	+27 27.6	1.683	2.663	2.2	20.4
1 22	7 13.64	+28 17.3	1.724	2.684	5.8	20.7
2 1	7 4.62	+28 54.2	1.794	2.705	9.8	21.0
2 11	6 58.10	+29 18.5	1.888	2.725	13.2	21.2
417790	2007 EK_{87}		1 10.8	331.°57	5.°1/ 8.9	18
12 3	7 54.74	+32 4.3	1.812	2.601	15.6	20.9
12 13	7 51.08	+33 4.7	1.728	2.597	12.5	20.7
12 23	7 44.29	+34 5.6	1.665	2.592	9.1	20.5
1 2	7 34.94	+35 0.0	1.628	2.588	6.0	20.3
1 12	7 24.19	+35 40.8	1.619	2.584	5.3	20.2
1 22	7 13.47	+36 3.3	1.637	2.580	7.8	20.4
2 1	7 4.27	+36 6.6	1.681	2.577	11.3	20.6
2 11	6 57.75	+35 53.4	1.748	2.574	14.6	20.8
381673	2009 BB_{70}		1 10.8	336.°81	1.°4/10.3	18
12 3	7 50.37	+23 19.4	2.044	2.828	14.3	20.7
12 13	7 47.02	+23 54.5	1.951	2.822	11.3	20.5
12 23	7 41.17	+24 35.3	1.882	2.815	7.7	20.3
1 2	7 33.34	+25 18.3	1.838	2.810	3.8	20.0
1 12	7 24.41	+25 59.1	1.823	2.804	1.5	19.8
1 22	7 15.48	+26 33.9	1.837	2.799	5.2	20.1
2 1	7 7.67	+27 0.4	1.878	2.795	9.1	20.3
2 11	7 1.92	+27 18.0	1.945	2.790	12.5	20.5
462331	2008 KG_4		1 10.8	245.°31	6.°3/12.9	16
12 3	7 51.72	+ 4 29.5	2.152	2.878	15.4	22.6
12 13	7 47.74	+ 3 49.6	2.051	2.868	13.0	22.4
12 23	7 41.50	+ 3 23.4	1.970	2.858	10.3	22.2
1 2	7 33.46	+ 3 13.3	1.915	2.847	7.7	22.0
1 12	7 24.41	+ 3 20.7	1.886	2.836	6.3	21.9
1 22	7 15.29	+ 3 44.7	1.886	2.824	7.3	22.0
2 1	7 7.12	+ 4 22.7	1.913	2.813	9.9	22.1
2 11	7 0.75	+ 5 10.9	1.965	2.801	12.8	22.3
406025	2006 TX_{68}		1 10.8	78.°82	2.°1/11.6	18
12 3	7 55.60	+14 54.2	1.751	2.519	16.9	21.7
12 13	7 51.01	+15 3.6	1.685	2.542	13.4	21.5
12 23	7 43.73	+15 24.4	1.640	2.565	9.4	21.3
1 2	7 34.46	+15 54.9	1.621	2.588	5.0	21.1
1 12	7 24.29	+16 31.8	1.630	2.610	2.1	21.0
1 22	7 14.44	+17 11.4	1.668	2.633	5.3	21.2
2 1	7 6.07	+17 50.3	1.734	2.655	9.3	21.5
2 11	7 0.04	+18 26.3	1.824	2.676	12.9	21.8
333045	2011 SE_{134}		1 10.8	30.°82	4.°0/11.9	18
12 3	7 52.19	+13 5.3	1.296	2.090	20.4	20.4
12 13	7 49.33	+12 46.1	1.229	2.099	16.5	20.1
12 23	7 43.14	+12 42.2	1.181	2.109	11.9	19.9
1 2	7 34.36	+12 54.1	1.155	2.120	7.0	19.7
1 12	7 24.30	+13 19.7	1.154	2.131	4.0	19.5
1 22	7 14.53	+13 55.1	1.178	2.143	7.0	19.7
2 1	7 6.56	+14 35.9	1.228	2.156	11.6	20.0
2 11	7 1.50	+15 17.7	1.300	2.170	15.9	20.3
49595	1999 FG		1 10.8	321.°13	4.°3/12.5	18
12 3	7 49.50	+ 8 48.9	2.293	3.037	14.1	18.8
12 13	7 45.79	+ 8 27.8	2.200	3.035	11.6	18.6
12 23	7 40.03	+ 8 18.0	2.128	3.033	8.7	18.4
1 2	7 32.69	+ 8 20.6	2.082	3.031	5.9	18.3
1 12	7 24.52	+ 8 35.3	2.064	3.029	4.3	18.2
1 22	7 16.39	+ 9 0.5	2.075	3.027	5.6	18.2
2 1	7 9.17	+ 9 33.9	2.114	3.026	8.5	18.4
2 11	7 3.62	+10 12.2	2.179	3.024	11.4	18.6
452304	1996 VC_{33}		1 10.8	90.°02	0.°6/10.9	16
12 3	7 58.98	+19 20.1	1.701	2.475	17.1	22.2
12 13	7 53.74	+19 30.1	1.637	2.500	13.5	22.0
12 23	7 45.62	+19 47.8	1.595	2.524	9.2	21.8
1 2	7 35.37	+20 10.4	1.578	2.548	4.5	21.6
1 12	7 24.19	+20 34.1	1.589	2.572	0.7	21.4
1 22	7 13.42	+20 55.7	1.630	2.596	5.3	21.8
2 1	7 4.30	+21 13.6	1.699	2.618	9.6	22.1
2 11	6 57.76	+21 26.9	1.792	2.640	13.3	22.3

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
409425	2005 JU_{143}		1 10.8	311.°68	1.°0/10.5	18
	h m	° ′			°	m
12 3	7 53.32	+21 28.9	1.643	2.434	16.9	21.0
12 13	7 49.97	+22 4.6	1.555	2.428	13.4	20.8
12 23	7 43.56	+22 49.5	1.487	2.422	9.2	20.5
1 2	7 34.62	+23 39.4	1.444	2.416	4.5	20.2
1 12	7 24.26	+24 28.8	1.429	2.411	1.2	20.0
1 22	7 13.87	+25 12.5	1.441	2.406	6.0	20.3
2 1	7 4.91	+25 47.1	1.480	2.401	10.7	20.5
2 11	6 58.56	+26 11.7	1.543	2.396	14.8	20.8
76370	2000 EC_{181}		1 10.8	161.°13	4.°1/ 8.9	18
12 3	7 54.88	+32 15.5	2.405	3.176	12.8	19.4
12 13	7 50.29	+33 10.5	2.320	3.178	10.2	19.2
12 23	7 43.25	+34 5.0	2.259	3.180	7.3	19.0
1 2	7 34.30	+34 53.5	2.225	3.182	4.8	18.9
1 12	7 24.33	+35 31.2	2.221	3.184	4.2	18.8
1 22	7 14.42	+35 54.7	2.246	3.186	6.2	19.0
2 1	7 5.65	+36 3.4	2.299	3.187	9.0	19.1
2 11	6 58.91	+35 58.7	2.378	3.189	11.7	19.3
363123	2001 PV_{16}		1 10.8	121.°49	4.°8/12.3	18
12 3	7 55.46	+ 8 33.8	2.200	2.932	14.9	20.9
12 13	7 50.31	+ 7 52.5	2.122	2.949	12.3	20.7
12 23	7 42.99	+ 7 22.2	2.065	2.964	9.3	20.6
1 2	7 34.06	+ 7 4.3	2.035	2.980	6.3	20.4
1 12	7 24.37	+ 6 59.2	2.033	2.994	4.8	20.3
1 22	7 14.89	+ 7 6.0	2.061	3.009	6.1	20.4
2 1	7 6.54	+ 7 22.7	2.118	3.022	8.9	20.6
2 11	7 0.06	+ 7 46.4	2.201	3.035	11.7	20.8
316451	2010 UQ_{72}		1 10.8	115.°87	2.°5/11.8	18
12 3	7 53.96	+13 6.3	1.970	2.729	15.6	21.0
12 13	7 49.57	+13 16.2	1.890	2.740	12.5	20.8
12 23	7 42.74	+13 38.2	1.831	2.751	8.9	20.6
1 2	7 34.03	+14 10.9	1.798	2.762	5.0	20.4
1 12	7 24.37	+14 51.8	1.794	2.773	2.5	20.3
1 22	7 14.86	+15 37.4	1.820	2.783	5.1	20.4
2 1	7 6.55	+16 24.2	1.874	2.793	8.9	20.7
2 11	7 0.32	+17 9.3	1.953	2.803	12.3	20.9
12468	Zachotín		1 10.8	217.°10	1.°2/10.6	18
12 3	8 0.22	+24 38.6	1.709	2.487	16.9	18.3
12 13	7 55.30	+24 43.7	1.615	2.481	13.4	18.1
12 23	7 47.13	+24 51.9	1.543	2.475	9.3	17.8
1 2	7 36.32	+24 59.4	1.496	2.467	4.5	17.5
1 12	7 24.05	+25 2.1	1.477	2.460	1.4	17.3
1 22	7 11.85	+24 57.3	1.488	2.451	6.0	17.6
2 1	7 1.22	+24 44.7	1.526	2.442	10.7	17.8
2 11	6 53.38	+24 25.9	1.588	2.433	14.9	18.1
356351	2010 LO_{63}		1 10.8	330.°33	2.°0/11.5	18
12 3	7 48.82	+15 15.6	1.242	2.051	20.4	20.2
12 13	7 47.33	+15 30.8	1.154	2.035	16.5	19.9
12 23	7 42.31	+16 3.5	1.084	2.021	11.7	19.6
1 2	7 34.24	+16 52.8	1.036	2.007	6.2	19.3
1 12	7 24.32	+17 54.4	1.012	1.994	2.1	19.0
1 22	7 14.21	+19 1.6	1.013	1.982	6.9	19.2
2 1	7 5.72	+20 7.6	1.038	1.972	12.6	19.5
2 11	7 0.34	+21 7.3	1.084	1.962	17.8	19.8
39239	2000 YN_{69}		1 10.8	70.°48	1.°5/11.3	18
12 3	7 53.29	+17 36.5	1.936	2.708	15.4	18.8
12 13	7 49.13	+17 29.9	1.856	2.716	12.2	18.6
12 23	7 42.47	+17 30.9	1.797	2.724	8.5	18.4
1 2	7 33.91	+17 38.1	1.764	2.733	4.4	18.2
1 12	7 24.41	+17 49.5	1.759	2.741	1.5	18.0
1 22	7 15.09	+18 3.0	1.784	2.749	4.9	18.3
2 1	7 7.04	+18 16.8	1.836	2.757	8.9	18.5
2 11	7 1.11	+18 29.7	1.914	2.766	12.4	18.8
368422	2002 TL_{336}		1 10.8	67.°34	0.°2/10.8	18
12 3	7 52.63	+20 47.6	2.123	2.897	14.2	21.0
12 13	7 48.38	+21 8.6	2.050	2.913	11.1	20.9
12 23	7 41.83	+21 35.3	1.999	2.930	7.5	20.7
1 2	7 33.55	+22 5.1	1.975	2.947	3.6	20.5
1 12	7 24.46	+22 34.6	1.980	2.964	0.5	20.2
1 22	7 15.58	+23 0.9	2.015	2.980	4.5	20.6
2 1	7 7.89	+23 22.4	2.079	2.997	8.2	20.8
2 11	7 2.18	+23 38.4	2.169	3.014	11.4	21.1
45624	2000 DY_{93}		1 10.8	135.°53	0.°5/10.6	18
12 3	7 52.69	+21 53.3	2.380	3.148	13.0	19.5
12 13	7 48.29	+22 14.0	2.293	3.154	10.2	19.4
12 23	7 41.72	+22 39.3	2.229	3.159	6.9	19.2
1 2	7 33.51	+23 6.6	2.193	3.165	3.3	18.9
1 12	7 24.47	+23 32.9	2.187	3.170	0.7	18.7
1 22	7 15.51	+23 55.7	2.211	3.175	4.3	19.0
2 1	7 7.59	+24 13.4	2.264	3.179	7.8	19.2
2 11	7 1.46	+24 25.5	2.344	3.184	10.9	19.4

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
108019 2001 FS_{146}			1 10.8	256.°84	0.°6/10.7	18
	h m	° ′			°	m
12 3	7 58.31	+23 11.5	1.468	2.260	18.6	20.5
12 13	7 54.30	+23 10.7	1.379	2.252	14.8	20.2
12 23	7 46.73	+23 14.7	1.310	2.245	10.2	19.9
1 2	7 36.23	+23 20.0	1.264	2.237	5.0	19.6
1 12	7 24.09	+23 22.8	1.246	2.229	1.0	19.3
1 22	7 12.00	+23 19.9	1.255	2.221	6.4	19.6
2 1	7 1.67	+23 10.7	1.290	2.213	11.7	19.9
2 11	6 54.42	+22 56.5	1.348	2.205	16.3	20.1
451413 2011 QZ_{31}			1 10.8	96.°49	2.°2/10.2	15
12 3	8 2.33	+26 26.4	1.759	2.533	16.6	22.4
12 13	7 56.40	+26 53.3	1.697	2.560	13.0	22.3
12 23	7 47.44	+27 21.9	1.657	2.587	8.9	22.1
1 2	7 36.26	+27 47.3	1.643	2.613	4.5	21.9
1 12	7 24.13	+28 4.5	1.658	2.638	2.4	21.8
1 22	7 12.49	+28 11.0	1.703	2.662	5.9	22.0
2 1	7 2.66	+28 6.8	1.776	2.686	9.9	22.3
2 11	6 55.57	+27 54.1	1.873	2.709	13.4	22.6
152343 2005 UW_{73}			1 10.8	90.°87	2.°8/ 9.9	18
12 3	7 56.16	+27 23.5	1.956	2.736	15.0	20.1
12 13	7 51.56	+28 3.8	1.883	2.749	11.8	19.9
12 23	7 44.21	+28 46.1	1.831	2.762	8.1	19.7
1 2	7 34.77	+29 25.5	1.807	2.775	4.4	19.5
1 12	7 24.31	+29 56.8	1.811	2.787	2.9	19.4
1 22	7 14.08	+30 16.9	1.844	2.800	5.9	19.6
2 1	7 5.28	+30 24.7	1.905	2.812	9.5	19.9
2 11	6 58.84	+30 21.8	1.991	2.825	12.8	20.1
749 Malzovia			1 10.8	245.°19	0.°0/10.7	18
12 3	7 56.67	+19 27.4	1.721	2.499	16.8	15.9
12 13	7 52.60	+19 54.7	1.620	2.485	13.5	15.6
12 23	7 45.41	+20 32.3	1.540	2.471	9.3	15.3
1 2	7 35.60	+21 17.3	1.484	2.456	4.5	15.0
1 12	7 24.19	+22 4.7	1.457	2.440	0.6	14.7
1 22	7 12.57	+22 49.5	1.459	2.424	5.8	15.0
2 1	7 2.26	+23 28.2	1.488	2.408	10.7	15.3
2 11	6 54.50	+23 59.0	1.542	2.391	15.1	15.5
297005 Ellirichter			1 10.8	278.°15	1.°4/11.2	17
12 3	7 54.69	+17 41.2	1.575	2.359	17.8	21.8
12 13	7 51.30	+17 44.2	1.473	2.341	14.4	21.5
12 23	7 44.67	+17 57.7	1.391	2.323	10.1	21.2
1 2	7 35.29	+18 20.3	1.333	2.304	5.2	20.9
1 12	7 24.23	+18 48.9	1.302	2.285	1.4	20.6
1 22	7 12.93	+19 19.5	1.299	2.266	6.1	20.8
2 1	7 2.99	+19 48.9	1.322	2.247	11.3	21.1
2 11	6 55.74	+20 15.0	1.368	2.227	16.0	21.3
200732 2001 VE_{54}			1 10.8	91.°78	2.°2/10.3	18
12 3	8 0.70	+26 14.5	1.536	2.323	18.1	20.6
12 13	7 55.69	+26 33.8	1.469	2.340	14.2	20.4
12 23	7 47.30	+26 55.6	1.423	2.356	9.8	20.2
1 2	7 36.31	+27 14.6	1.401	2.372	4.9	19.9
1 12	7 24.14	+27 25.8	1.407	2.388	2.4	19.8
1 22	7 12.42	+27 26.3	1.441	2.403	6.4	20.1
2 1	7 2.66	+27 16.2	1.502	2.418	10.9	20.4
2 11	6 55.90	+26 58.0	1.587	2.433	14.8	20.7
50975 2000 GQ_{91}			1 10.8	136.°41	0.°2/10.9	18
12 3	7 51.46	+18 48.4	2.474	3.237	12.7	19.2
12 13	7 47.25	+19 20.9	2.385	3.242	10.0	19.0
12 23	7 41.01	+20 0.5	2.320	3.248	6.8	18.8
1 2	7 33.19	+20 44.8	2.282	3.252	3.3	18.6
1 12	7 24.55	+21 30.6	2.274	3.257	0.4	18.3
1 22	7 15.96	+22 14.7	2.297	3.262	4.1	18.6
2 1	7 8.28	+22 54.6	2.350	3.266	7.5	18.9
2 11	7 2.27	+23 28.8	2.429	3.270	10.5	19.1
90889 1997 AQ_{11}			1 10.8	354.°42	0.°5/10.9	18
12 3	7 53.48	+20 36.8	1.900	2.679	15.4	19.6
12 13	7 49.48	+20 31.8	1.813	2.678	12.2	19.4
12 23	7 42.85	+20 32.2	1.747	2.678	8.4	19.1
1 2	7 34.16	+20 36.0	1.706	2.677	4.1	18.9
1 12	7 24.42	+20 40.9	1.694	2.677	0.7	18.6
1 22	7 14.80	+20 44.9	1.711	2.677	5.0	18.9
2 1	7 6.46	+20 46.9	1.755	2.677	9.2	19.2
2 11	7 0.35	+20 46.4	1.825	2.677	12.9	19.4
450139 1998 SR_{148}			1 10.8	63.°33	1.°3/11.2	16
12 3	7 59.66	+18 36.2	1.554	2.332	18.3	20.8
12 13	7 54.31	+18 29.4	1.502	2.366	14.4	20.7
12 23	7 45.97	+18 30.8	1.471	2.400	9.8	20.5
1 2	7 35.52	+18 38.1	1.465	2.435	4.9	20.3
1 12	7 24.28	+18 48.5	1.486	2.468	1.3	20.1
1 22	7 13.64	+18 59.4	1.536	2.502	5.5	20.5
2 1	7 4.86	+19 9.2	1.614	2.536	9.9	20.8
2 11	6 58.79	+19 17.2	1.716	2.568	13.6	21.1

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
338114 2002 QG_{56}			1 10.8	332.°35	2.°7/10.2	18
	h m	° ′			°	m
12 3	7 57.95	+25 54.2	1.367	2.168	19.2	20.9
12 13	7 54.30	+26 24.1	1.289	2.167	15.3	20.7
12 23	7 46.88	+26 58.9	1.230	2.166	10.6	20.4
1 2	7 36.34	+27 32.7	1.194	2.166	5.5	20.1
1 12	7 24.14	+27 58.7	1.185	2.165	2.9	19.9
1 22	7 12.09	+28 12.0	1.202	2.165	7.3	20.2
2 1	7 2.02	+28 11.7	1.245	2.164	12.4	20.5
2 11	6 55.27	+27 59.8	1.309	2.164	16.9	20.8
34634 2000 VQ_{17}			1 10.8	204.°44	2.°2/ 9.9	18
12 3	7 54.54	+25 58.2	2.260	3.032	13.4	19.4
12 13	7 50.09	+26 42.4	2.166	3.029	10.6	19.2
12 23	7 43.19	+27 30.4	2.096	3.026	7.3	18.9
1 2	7 34.34	+28 17.9	2.054	3.023	3.9	18.7
1 12	7 24.41	+29 0.0	2.041	3.019	2.4	18.6
1 22	7 14.47	+29 33.1	2.058	3.015	5.3	18.8
2 1	7 5.62	+29 55.5	2.104	3.010	8.8	19.0
2 11	6 58.78	+30 7.4	2.176	3.006	12.0	19.2
429927 2012 TW_{238}			1 10.8	157.°12	1.°5/10.1	17
12 3	7 51.75	+25 9.8	2.657	3.425	11.8	21.5
12 13	7 47.43	+25 41.8	2.567	3.428	9.2	21.3
12 23	7 41.09	+26 16.5	2.501	3.431	6.3	21.2
1 2	7 33.23	+26 50.8	2.463	3.433	3.2	21.0
1 12	7 24.57	+27 21.5	2.456	3.436	1.6	20.8
1 22	7 15.96	+27 46.0	2.479	3.438	4.3	21.0
2 1	7 8.27	+28 3.0	2.531	3.440	7.4	21.2
2 11	7 2.21	+28 12.6	2.610	3.441	10.2	21.4
179666 2002 QB_{34}			1 10.8	113.°51	0.°5/10.7	18
12 3	7 56.39	+21 47.0	1.859	2.636	15.8	21.6
12 13	7 51.76	+22 7.8	1.782	2.647	12.4	21.4
12 23	7 44.39	+22 34.7	1.726	2.658	8.5	21.2
1 2	7 34.89	+23 4.1	1.696	2.668	4.1	20.9
1 12	7 24.35	+23 32.0	1.695	2.678	0.8	20.7
1 22	7 14.01	+23 55.2	1.724	2.688	5.2	21.1
2 1	7 5.10	+24 11.9	1.780	2.698	9.4	21.3
2 11	6 58.55	+24 21.9	1.862	2.707	13.0	21.6
295737 2008 UW_{79}			1 10.8	163.°22	4.°4/ 9.6	18
12 3	8 1.85	+31 30.6	1.794	2.571	16.2	21.1
12 13	7 56.55	+32 13.6	1.714	2.576	13.0	20.9
12 23	7 47.94	+32 56.0	1.655	2.580	9.3	20.7
1 2	7 36.70	+33 30.8	1.622	2.584	5.7	20.5
1 12	7 24.11	+33 51.5	1.617	2.587	4.6	20.4
1 22	7 11.73	+33 54.8	1.641	2.589	7.3	20.6
2 1	7 1.09	+33 40.9	1.692	2.591	11.0	20.8
2 11	6 53.34	+33 13.4	1.768	2.593	14.5	21.0
366885 2005 TT_{28}			1 10.9	103.°58	0.°7/11.0	18
12 3	7 56.44	+20 35.3	1.977	2.747	15.2	20.8
12 13	7 51.52	+20 20.8	1.898	2.758	12.0	20.6
12 23	7 44.05	+20 10.8	1.840	2.769	8.2	20.4
1 2	7 34.67	+20 3.5	1.809	2.779	4.0	20.2
1 12	7 24.39	+19 57.3	1.807	2.790	0.8	19.9
1 22	7 14.36	+19 50.7	1.834	2.800	4.8	20.3
2 1	7 5.69	+19 43.3	1.891	2.810	8.8	20.5
2 11	6 59.22	+19 35.0	1.973	2.819	12.3	20.8
278410 2007 RV_{38}			1 10.9	135.°06	8.°4/15.3	18
12 3	7 49.17	− 6 9.5	2.505	3.171	14.8	20.7
12 13	7 45.33	− 6 47.9	2.418	3.175	13.1	20.6
12 23	7 39.63	− 7 8.0	2.351	3.179	11.2	20.5
1 2	7 32.51	− 7 6.8	2.306	3.182	9.5	20.4
1 12	7 24.68	− 6 42.7	2.287	3.186	8.5	20.3
1 22	7 16.89	− 5 57.1	2.295	3.189	8.7	20.3
2 1	7 9.93	− 4 52.8	2.329	3.193	10.0	20.4
2 11	7 4.47	− 3 35.2	2.389	3.196	11.8	20.5
488582 2002 LD_{35}			1 10.9	157.°93	0.°9/10.3	17
12 3	7 53.06	+23 40.3	3.606	4.354	9.3	23.7
12 13	7 47.80	+24 14.1	3.515	4.364	7.3	23.6
12 23	7 41.02	+24 50.2	3.449	4.374	4.9	23.4
1 2	7 33.10	+25 26.3	3.413	4.383	2.4	23.2
1 12	7 24.61	+26 0.1	3.410	4.391	1.0	23.1
1 22	7 16.15	+26 29.6	3.440	4.399	3.3	23.3
2 1	7 8.37	+26 53.6	3.501	4.405	5.7	23.5
2 11	7 1.79	+27 11.8	3.591	4.411	7.9	23.7
265677 2005 UB_{67}			1 10.9	44.°14	1.°4/11.2	18
12 3	7 54.22	+18 24.3	1.554	2.342	17.9	20.4
12 13	7 50.31	+18 16.1	1.492	2.362	14.1	20.2
12 23	7 43.46	+18 16.4	1.450	2.382	9.7	20.0
1 2	7 34.43	+18 23.4	1.432	2.402	4.9	19.8
1 12	7 24.44	+18 34.6	1.441	2.423	1.4	19.6
1 22	7 14.85	+18 47.3	1.478	2.445	5.5	19.9
2 1	7 6.92	+18 59.6	1.542	2.467	10.0	20.2
2 11	7 1.56	+19 10.2	1.629	2.489	13.8	20.5

151227 2001 YR_{103} 1 10.9 8.°47 1.°8/11.4 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 50.63	+17 2.4	1.510	2.304	18.0	19.8
12 13	7 47.84	+16 57.4	1.432	2.305	14.4	19.6
12 23	7 42.06	+17 2.8	1.374	2.307	10.1	19.4
1 2	7 33.90	+17 17.4	1.340	2.310	5.3	19.1
1 12	7 24.51	+17 38.8	1.332	2.313	1.9	18.9
1 22	7 15.27	+18 3.5	1.350	2.318	5.8	19.1
2 1	7 7.56	+18 28.7	1.395	2.323	10.5	19.4
2 11	7 2.42	+18 52.0	1.463	2.329	14.7	19.7

154880 2004 RL_{143} 1 10.9 191.°77 6.°3/ 8.1 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 59.98	+39 44.3	2.437	3.194	13.0	20.6
12 13	7 54.59	+40 48.4	2.352	3.192	10.7	20.5
12 23	7 46.38	+41 47.5	2.290	3.190	8.4	20.3
1 2	7 35.92	+42 34.9	2.256	3.188	6.7	20.2
1 12	7 24.25	+43 4.4	2.249	3.185	6.4	20.2
1 22	7 12.64	+43 13.2	2.272	3.182	8.0	20.3
2 1	7 2.38	+43 1.4	2.321	3.179	10.2	20.4
2 11	6 54.50	+42 32.5	2.395	3.175	12.6	20.6

325135 2008 EK_{146} 1 10.9 344.°08 9.°5/14.3 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 49.50	− 0 43.1	1.635	2.367	19.3	20.7
12 13	7 46.68	− 1 32.4	1.551	2.363	16.7	20.5
12 23	7 41.16	− 1 59.8	1.485	2.359	13.8	20.3
1 2	7 33.46	− 2 0.4	1.439	2.356	11.1	20.1
1 12	7 24.57	− 1 31.9	1.417	2.353	9.5	20.0
1 22	7 15.67	− 0 35.8	1.421	2.350	10.2	20.1
2 1	7 8.00	+ 0 42.6	1.449	2.348	12.5	20.2
2 11	7 2.60	+ 2 15.4	1.500	2.347	15.5	20.4

120370 2005 OS_1 1 10.9 193.°08 16.°7/ 7.3 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	8 22.28	+54 8.3	1.308	2.056	22.6	19.4
12 13	8 17.02	+56 7.0	1.249	2.056	20.3	19.3
12 23	8 4.50	+57 48.1	1.207	2.055	18.2	19.1
1 2	7 45.48	+58 51.0	1.183	2.053	16.9	19.0
1 12	7 23.00	+58 58.2	1.180	2.051	16.8	19.0
1 22	7 1.57	+58 4.3	1.197	2.049	18.1	19.1
2 1	6 45.17	+56 18.5	1.235	2.046	20.2	19.2
2 11	6 35.68	+53 58.9	1.289	2.043	22.6	19.4

287331 2002 TV_{314} 1 10.9 191.°61 6.°6/13.6 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 52.56	+ 2 6.9	2.127	2.842	15.9	21.6
12 13	7 48.38	+ 1 45.2	2.034	2.841	13.5	21.4
12 23	7 41.95	+ 1 40.4	1.960	2.840	10.7	21.2
1 2	7 33.73	+ 1 54.9	1.911	2.838	8.1	21.0
1 12	7 24.54	+ 2 29.0	1.889	2.836	6.6	20.9
1 22	7 15.35	+ 3 20.6	1.895	2.833	7.4	21.0
2 1	7 7.15	+ 4 25.8	1.930	2.830	9.8	21.1
2 11	7 0.79	+ 5 39.3	1.990	2.826	12.7	21.3

8909 Ohnishitaka 1 10.9 114.°03 1.°5/10.2 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 54.66	+24 6.5	2.200	2.972	13.8	18.0
12 13	7 50.05	+24 43.2	2.121	2.984	10.8	17.8
12 23	7 43.05	+25 24.0	2.065	2.995	7.4	17.6
1 2	7 34.23	+26 5.1	2.036	3.006	3.6	17.4
1 12	7 24.49	+26 42.2	2.036	3.017	1.7	17.3
1 22	7 14.89	+27 12.1	2.067	3.028	4.9	17.5
2 1	7 6.47	+27 33.2	2.127	3.038	8.5	17.7
2 11	7 0.08	+27 45.7	2.212	3.048	11.6	18.0

381211 2007 RO_{160} 1 10.9 38.°21 2.°6/ 9.9 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 53.11	+27 35.0	1.939	2.725	14.9	20.8
12 13	7 49.18	+28 6.6	1.868	2.738	11.7	20.7
12 23	7 42.61	+28 39.6	1.819	2.751	8.0	20.5
1 2	7 34.04	+29 9.6	1.796	2.764	4.3	20.3
1 12	7 24.51	+29 32.1	1.801	2.778	2.8	20.2
1 22	7 15.24	+29 44.3	1.835	2.793	5.7	20.4
2 1	7 7.36	+29 45.7	1.896	2.807	9.3	20.7
2 11	7 1.77	+29 37.5	1.982	2.822	12.6	20.9

369587 2011 BG_{132} 1 10.9 101.°55 2.°2/11.7 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 52.57	+14 21.9	2.093	2.853	14.8	21.2
12 13	7 48.38	+14 26.0	2.011	2.863	11.8	21.0
12 23	7 41.90	+14 40.1	1.950	2.872	8.3	20.8
1 2	7 33.67	+15 3.2	1.916	2.881	4.6	20.6
1 12	7 24.56	+15 33.1	1.911	2.890	2.2	20.5
1 22	7 15.58	+16 6.9	1.935	2.899	4.8	20.7
2 1	7 7.72	+16 42.0	1.988	2.908	8.4	20.9
2 11	7 1.80	+17 16.0	2.067	2.916	11.7	21.1

370556 2003 UV_{69} 1 10.9 56.°63 0.°8/11.2 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 52.03	+18 19.8	2.026	2.799	14.8	21.5
12 13	7 48.12	+18 29.3	1.944	2.806	11.7	21.3
12 23	7 41.80	+18 46.5	1.884	2.813	8.0	21.1
1 2	7 33.65	+19 9.4	1.849	2.819	4.0	20.9
1 12	7 24.58	+19 35.2	1.844	2.826	0.9	20.6
1 22	7 15.63	+20 1.2	1.867	2.833	4.7	20.9
2 1	7 7.85	+20 25.1	1.920	2.841	8.6	21.2
2 11	7 2.10	+20 45.7	1.997	2.848	12.0	21.4

204582 2005 GG_{43} 1 10.9 264.°40 2.°3/11.5 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 52.08	+15 54.0	2.334	3.092	13.5	20.3
12 13	7 47.85	+15 29.5	2.236	3.087	10.8	20.1
12 23	7 41.48	+15 11.2	2.160	3.081	7.7	19.9
1 2	7 33.47	+14 58.9	2.111	3.075	4.3	19.6
1 12	7 24.60	+14 52.0	2.092	3.070	2.3	19.5
1 22	7 15.77	+14 49.6	2.102	3.064	4.7	19.6
2 1	7 7.91	+14 50.7	2.141	3.058	8.1	19.8
2 11	7 1.79	+14 54.2	2.207	3.053	11.2	20.0

467716 2009 BA_{69} 1 10.9 26.°29 4.°8/13.4 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 48.82	+ 5 8.5	2.124	2.861	15.3	21.2
12 13	7 45.44	+ 5 20.2	2.038	2.866	12.7	21.0
12 23	7 39.91	+ 5 49.0	1.973	2.871	9.7	20.8
1 2	7 32.74	+ 6 35.3	1.932	2.877	6.6	20.6
1 12	7 24.70	+ 7 37.4	1.920	2.883	4.8	20.5
1 22	7 16.72	+ 8 51.5	1.936	2.889	5.9	20.6
2 1	7 9.71	+10 12.8	1.981	2.896	8.7	20.8
2 11	7 4.46	+11 36.0	2.052	2.903	11.7	21.0

291890 2006 PD_{31} 1 10.9 113.°27 1.°1/11.3 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 51.05	+17 0.3	2.616	3.372	12.2	21.3
12 13	7 46.73	+17 9.7	2.531	3.383	9.7	21.1
12 23	7 40.53	+17 25.7	2.471	3.394	6.7	20.9
1 2	7 32.95	+17 46.9	2.437	3.405	3.4	20.7
1 12	7 24.68	+18 11.2	2.434	3.416	1.1	20.6
1 22	7 16.53	+18 36.6	2.461	3.426	3.8	20.8
2 1	7 9.27	+19 1.4	2.519	3.436	7.0	21.0
2 11	7 3.55	+19 24.0	2.603	3.446	9.8	21.2

51184 2000 HQ_{78} 1 10.9 179.°96 2.°2/11.6 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 52.17	+15 32.4	2.478	3.231	12.9	19.1
12 13	7 47.73	+15 11.4	2.383	3.231	10.3	18.9
12 23	7 41.30	+14 56.6	2.312	3.232	7.3	18.7
1 2	7 33.35	+14 47.8	2.268	3.232	4.1	18.5
1 12	7 24.63	+14 44.3	2.254	3.232	2.2	18.4
1 22	7 15.99	+14 45.2	2.270	3.231	4.4	18.5
2 1	7 8.28	+14 49.2	2.315	3.231	7.6	18.7
2 11	7 2.21	+14 55.3	2.387	3.230	10.6	18.9

123393 2000 WH_{72} 1 10.9 273.°27 4.°3/11.7 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 54.12	+12 21.9	2.042	2.795	15.3	19.6
12 13	7 49.77	+11 28.1	1.942	2.786	12.5	19.4
12 23	7 42.98	+10 41.5	1.864	2.776	9.3	19.2
1 2	7 34.27	+10 4.0	1.812	2.767	6.0	19.0
1 12	7 24.51	+ 9 36.6	1.788	2.757	4.4	18.9
1 22	7 14.76	+ 9 19.6	1.794	2.748	6.2	18.9
2 1	7 6.10	+ 9 12.5	1.827	2.738	9.6	19.1
2 11	6 59.43	+ 9 13.6	1.885	2.728	13.0	19.3

114514 2003 BX_5 1 10.9 272.°02 1.°3/11.5 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 52.46	+14 23.0	1.932	2.699	15.6	19.2
12 13	7 48.83	+15 5.5	1.832	2.689	12.5	19.0
12 23	7 42.58	+16 2.6	1.754	2.679	8.8	18.8
1 2	7 34.18	+17 12.1	1.701	2.670	4.6	18.5
1 12	7 24.51	+18 29.5	1.678	2.660	1.3	18.2
1 22	7 14.68	+19 49.3	1.684	2.650	5.1	18.5
2 1	7 5.91	+21 6.1	1.719	2.640	9.4	18.7
2 11	6 59.24	+22 15.9	1.780	2.630	13.3	18.9

340731 2006 SQ_{155} 1 10.9 105.°22 3.°6/12.7 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 49.41	+ 8 18.2	2.542	3.277	13.1	20.6
12 13	7 45.50	+ 8 22.2	2.453	3.284	10.7	20.4
12 23	7 39.74	+ 8 38.2	2.387	3.290	8.0	20.2
1 2	7 32.60	+ 9 6.2	2.347	3.297	5.2	20.1
1 12	7 24.74	+ 9 44.8	2.336	3.304	3.6	20.0
1 22	7 16.94	+10 31.7	2.355	3.311	4.8	20.1
2 1	7 9.98	+11 23.7	2.404	3.317	7.5	20.3
2 11	7 4.53	+12 17.7	2.480	3.324	10.2	20.4

397033 2005 UN_{47} 1 10.9 106.°85 0.°4/10.9 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 58.76	+20 40.3	1.523	2.308	18.3	21.3
12 13	7 54.19	+20 38.6	1.449	2.318	14.5	21.0
12 23	7 46.35	+20 43.9	1.395	2.327	10.0	20.8
1 2	7 35.95	+20 53.2	1.365	2.337	4.8	20.5
1 12	7 24.31	+21 3.3	1.363	2.346	0.7	20.2
1 22	7 12.97	+21 11.2	1.389	2.355	5.9	20.6
2 1	7 3.40	+21 15.6	1.442	2.364	10.7	20.9
2 11	6 56.69	+21 16.5	1.518	2.373	14.9	21.2

197127 2003 UJ_{227} 1 10.9 42.°68 1.°8/11.4 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 52.40	+17 10.4	1.934	2.707	15.4	19.7
12 13	7 48.44	+16 55.1	1.855	2.716	12.2	19.5
12 23	7 42.03	+16 47.0	1.798	2.725	8.5	19.3
1 2	7 33.77	+16 45.5	1.766	2.734	4.5	19.1
1 12	7 24.61	+16 49.1	1.763	2.744	1.9	18.9
1 22	7 15.65	+16 56.0	1.788	2.753	5.0	19.2
2 1	7 7.94	+17 4.7	1.842	2.764	8.8	19.4
2 11	7 2.33	+17 13.8	1.921	2.774	12.3	19.7

262585 2006 VA_{83} 1 10.9 11.°55 0.°6/11.0 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 54.28	+20 1.0	1.736	2.519	16.5	21.7
12 13	7 50.39	+20 0.5	1.651	2.519	13.1	21.5
12 23	7 43.65	+20 6.8	1.588	2.520	9.0	21.2
1 2	7 34.66	+20 17.7	1.549	2.520	4.4	20.9
1 12	7 24.49	+20 30.5	1.538	2.521	0.8	20.7
1 22	7 14.44	+20 42.5	1.555	2.522	5.4	21.0
2 1	7 5.81	+20 51.9	1.600	2.523	9.9	21.3
2 11	6 59.60	+20 58.2	1.669	2.524	13.8	21.5

119376 2001 SP_{316} 1 10.9 103.°35 2.°6/10.3 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	8 0.12	+29 47.1	1.982	2.755	15.1	19.6
12 13	7 54.57	+29 48.6	1.905	2.766	11.9	19.4
12 23	7 46.21	+29 48.0	1.849	2.777	8.3	19.2
1 2	7 35.76	+29 41.3	1.820	2.787	4.5	19.0
1 12	7 24.37	+29 25.2	1.820	2.797	2.7	18.9
1 22	7 13.35	+28 58.7	1.849	2.807	5.7	19.1
2 1	7 3.90	+28 23.1	1.908	2.817	9.4	19.4
2 11	6 56.93	+27 41.3	1.991	2.827	12.7	19.6

8765 Limosa 1 10.9 25.°58 1.°1/10.5 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 54.09	+23 36.5	1.848	2.632	15.6	18.5
12 13	7 50.14	+23 54.6	1.764	2.634	12.3	18.3
12 23	7 43.42	+24 17.3	1.702	2.635	8.4	18.0
1 2	7 34.54	+24 41.0	1.665	2.637	4.1	17.8
1 12	7 24.52	+25 1.9	1.657	2.639	1.3	17.6
1 22	7 14.63	+25 16.8	1.677	2.641	5.4	17.9
2 1	7 6.11	+25 24.4	1.725	2.643	9.6	18.1
2 11	6 59.94	+25 25.0	1.797	2.645	13.3	18.4

183880 2004 CC_{57} 1 10.9 170.°52 3.°3/ 9.3 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 53.54	+30 4.8	2.452	3.224	12.5	20.5
12 13	7 49.19	+30 55.7	2.364	3.225	9.9	20.4
12 23	7 42.52	+31 47.4	2.300	3.226	7.0	20.2
1 2	7 34.04	+32 35.1	2.264	3.226	4.3	20.0
1 12	7 24.59	+33 14.2	2.257	3.227	3.5	19.9
1 22	7 15.17	+33 41.6	2.281	3.227	5.7	20.1
2 1	7 6.80	+33 56.1	2.332	3.228	8.6	20.3
2 11	7 0.34	+33 58.6	2.410	3.228	11.3	20.5

198985 2005 VH_{73} 1 10.9 98.°56 0.°1/10.8 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 57.23	+19 59.8	1.502	2.290	18.4	21.0
12 13	7 53.11	+20 24.3	1.429	2.299	14.6	20.8
12 23	7 45.71	+20 58.5	1.375	2.309	10.0	20.6
1 2	7 35.70	+21 38.5	1.346	2.318	4.8	20.3
1 12	7 24.38	+22 19.1	1.344	2.327	0.6	20.0
1 22	7 13.27	+22 55.5	1.370	2.336	6.0	20.4
2 1	7 3.89	+23 24.8	1.423	2.345	10.9	20.7
2 11	6 57.38	+23 46.1	1.499	2.354	15.1	21.0

482766 2013 GF_{69} 1 10.9 91.°60 5.°9/13.0 17

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	8 9.38	+ 5 43.6	1.548	2.269	20.7	23.0
12 13	8 1.61	+ 5 33.1	1.500	2.319	16.9	22.9
12 23	7 50.79	+ 5 42.6	1.471	2.366	12.6	22.8
1 2	7 37.83	+ 6 12.3	1.467	2.411	8.3	22.6
1 12	7 24.14	+ 6 59.5	1.491	2.455	5.9	22.6
1 22	7 11.21	+ 7 59.1	1.546	2.496	7.5	22.8
2 1	7 0.33	+ 9 5.3	1.629	2.536	10.9	23.1
2 11	6 52.36	+10 12.5	1.738	2.573	14.3	23.4

170957 2005 BB_{25} 1 10.9 345.°49 1.°3/11.1 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 52.91	+19 19.8	1.379	2.180	19.1	20.1
12 13	7 50.10	+19 6.4	1.297	2.175	15.3	19.8
12 23	7 43.90	+19 1.1	1.234	2.170	10.6	19.5
1 2	7 34.93	+19 2.7	1.194	2.165	5.4	19.2
1 12	7 24.47	+19 8.4	1.179	2.162	1.4	18.9
1 22	7 14.10	+19 15.7	1.191	2.159	6.3	19.2
2 1	7 5.43	+19 22.5	1.228	2.157	11.6	19.5
2 11	6 59.70	+19 27.8	1.287	2.155	16.2	19.8

416978 2005 TF_{58} 1 10.9 4.°81 8.°7/ 7.9 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 56.89	+39 14.7	1.581	2.372	17.4	20.2
12 13	7 53.63	+40 38.7	1.511	2.372	14.5	20.0
12 23	7 46.53	+41 57.4	1.461	2.373	11.4	19.8
1 2	7 36.26	+43 0.2	1.435	2.374	9.1	19.7
1 12	7 24.30	+43 37.9	1.435	2.376	8.9	19.7
1 22	7 12.54	+43 45.6	1.459	2.378	10.8	19.8
2 1	7 2.84	+43 24.5	1.507	2.381	13.8	20.0
2 11	6 56.54	+42 40.7	1.577	2.385	16.8	20.2

317010 2001 QV_{92} 1 10.9 98.°70 0.°1/10.8 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 56.99	+18 50.2	2.097	2.858	14.7	20.9
12 13	7 51.82	+19 37.7	2.028	2.884	11.5	20.7
12 23	7 44.22	+20 33.5	1.982	2.909	7.8	20.6
1 2	7 34.80	+21 33.8	1.963	2.934	3.7	20.4
1 12	7 24.53	+22 33.8	1.974	2.958	0.5	20.1
1 22	7 14.48	+23 29.2	2.017	2.981	4.6	20.5
2 1	7 5.69	+24 17.0	2.089	3.004	8.4	20.8
2 11	6 58.99	+24 56.1	2.188	3.026	11.6	21.0

202369 2005 EH_{276} 1 10.9 30.°20 0.°1/10.9 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 51.62	+20 27.6	2.103	2.879	14.2	20.5
12 13	7 47.79	+20 40.2	2.018	2.882	11.2	20.3
12 23	7 41.60	+20 58.6	1.954	2.885	7.7	20.1
1 2	7 33.60	+21 20.8	1.917	2.889	3.7	19.9
1 12	7 24.68	+21 43.8	1.909	2.892	0.5	19.6
1 22	7 15.85	+22 4.9	1.930	2.896	4.6	19.9
2 1	7 8.15	+22 22.4	1.980	2.900	8.4	20.2
2 11	7 2.42	+22 35.4	2.055	2.904	11.8	20.4

491950 2013 CS_{150} 1 10.9 26.°70 2.°4/11.6 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 51.37	+14 41.4	1.184	1.991	21.3	20.9
12 13	7 49.10	+14 53.4	1.121	2.000	17.0	20.7
12 23	7 43.27	+15 22.7	1.076	2.011	12.0	20.4
1 2	7 34.62	+16 7.4	1.053	2.022	6.4	20.1
1 12	7 24.55	+17 2.5	1.054	2.035	2.4	19.9
1 22	7 14.77	+18 1.6	1.080	2.048	6.7	20.2
2 1	7 6.94	+18 58.7	1.130	2.063	12.0	20.6
2 11	7 2.22	+19 49.7	1.203	2.078	16.6	20.9

164641 1995 MK_4 1 10.9 120.°58 3.°6/12.6 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 50.00	+ 8 37.7	2.553	3.288	13.0	20.6
12 13	7 45.95	+ 8 36.5	2.465	3.296	10.7	20.4
12 23	7 40.06	+ 8 46.7	2.400	3.303	7.9	20.3
1 2	7 32.78	+ 9 8.5	2.361	3.311	5.2	20.1
1 12	7 24.80	+ 9 40.6	2.351	3.318	3.6	20.0
1 22	7 16.89	+10 21.0	2.371	3.325	4.9	20.1
2 1	7 9.82	+11 6.8	2.420	3.333	7.5	20.3
2 11	7 4.26	+11 55.0	2.497	3.339	10.2	20.5

39277 2001 BE_6 1 10.9 171.°77 3.°9/ 9.7 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 59.60	+30 13.5	1.869	2.647	15.6	19.3
12 13	7 54.68	+30 56.4	1.786	2.650	12.5	19.1
12 23	7 46.66	+31 39.8	1.725	2.652	8.8	18.9
1 2	7 36.16	+32 17.6	1.689	2.653	5.3	18.7
1 12	7 24.36	+32 43.6	1.682	2.654	4.1	18.6
1 22	7 12.70	+32 54.4	1.704	2.655	6.8	18.8
2 1	7 2.60	+32 49.4	1.754	2.655	10.6	19.0
2 11	6 55.16	+32 31.5	1.827	2.655	14.0	19.2

158493 2002 EF_{32} 1 10.9 27.°05 1.°9/11.5 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 51.71	+15 40.9	1.798	2.575	16.2	20.2
12 13	7 48.20	+15 44.5	1.716	2.578	13.0	20.0
12 23	7 42.07	+15 58.7	1.655	2.582	9.1	19.8
1 2	7 33.89	+16 22.2	1.619	2.586	4.9	19.5
1 12	7 24.66	+16 52.4	1.610	2.591	1.9	19.3
1 22	7 15.52	+17 26.1	1.630	2.596	5.2	19.6
2 1	7 7.67	+18 0.2	1.677	2.601	9.4	19.8
2 11	7 2.03	+18 32.4	1.749	2.606	13.1	20.1

8610 Goldhaber 1 10.9 16.°62 2.°7/10.1 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 52.30	+24 36.1	1.203	2.022	20.3	16.6
12 13	7 50.15	+25 18.0	1.138	2.027	16.0	16.4
12 23	7 44.18	+26 7.4	1.091	2.033	11.0	16.1
1 2	7 35.13	+26 58.0	1.067	2.040	5.6	15.8
1 12	7 24.50	+27 41.8	1.067	2.048	2.9	15.7
1 22	7 14.15	+28 12.9	1.093	2.057	7.5	16.0
2 1	7 5.89	+28 29.1	1.142	2.067	12.7	16.3
2 11	7 1.00	+28 31.7	1.212	2.078	17.1	16.6

122703 2000 SQ_{27} 1 10.9 53.°91 0.°5/11.0 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 54.57	+20 36.2	1.771	2.553	16.2	19.9
12 13	7 50.43	+20 31.8	1.696	2.563	12.8	19.6
12 23	7 43.54	+20 33.1	1.642	2.573	8.8	19.4
1 2	7 34.56	+20 38.1	1.613	2.584	4.3	19.2
1 12	7 24.59	+20 44.2	1.612	2.595	0.7	18.9
1 22	7 14.86	+20 49.2	1.640	2.606	5.1	19.3
2 1	7 6.59	+20 52.0	1.695	2.617	9.4	19.6
2 11	7 0.69	+20 52.2	1.775	2.629	13.2	19.8

240054 2001 WC_{36} 1 10.9 358.°41 0.°9/11.2 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 46.79	+16 35.1	1.056	1.883	21.9	19.5
12 13	7 46.16	+17 6.2	0.986	1.878	17.6	19.2
12 23	7 41.73	+17 56.5	0.932	1.875	12.2	18.8
1 2	7 34.08	+19 3.0	0.899	1.873	6.1	18.5
1 12	7 24.63	+20 18.7	0.890	1.873	1.1	18.2
1 22	7 15.22	+21 34.8	0.904	1.874	7.1	18.6
2 1	7 7.79	+22 43.5	0.941	1.878	13.2	18.9
2 11	7 3.79	+23 40.1	0.997	1.882	18.3	19.2

111152 2001 VZ_{102} 1 10.9 117.°52 3.°9/ 9.5 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 57.95	+30 54.7	2.050	2.825	14.5	20.3
12 13	7 53.02	+31 42.6	1.974	2.836	11.6	20.1
12 23	7 45.31	+32 30.2	1.921	2.847	8.2	20.0
1 2	7 35.44	+33 11.7	1.895	2.857	5.0	19.8
1 12	7 24.50	+33 41.7	1.898	2.867	4.1	19.7
1 22	7 13.76	+33 56.8	1.930	2.877	6.5	19.9
2 1	7 4.46	+33 56.9	1.989	2.886	9.8	20.1
2 11	6 57.56	+33 44.2	2.074	2.896	12.8	20.3

322381 2011 OW_{54} 1 10.9 171.°57 0.°3/10.7 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 50.79	+20 39.8	2.796	3.557	11.4	21.1
12 13	7 46.57	+21 11.2	2.702	3.559	9.0	20.9
12 23	7 40.51	+21 47.8	2.632	3.560	6.1	20.7
1 2	7 33.03	+22 27.4	2.590	3.561	2.9	20.5
1 12	7 24.81	+23 6.9	2.579	3.562	0.5	20.3
1 22	7 16.60	+23 43.8	2.599	3.563	3.8	20.6
2 1	7 9.18	+24 16.2	2.650	3.564	6.9	20.8
2 11	7 3.24	+24 43.0	2.727	3.564	9.6	21.0

192294 1991 TE_{15} 1 10.9 43.°25 1.°9/11.4 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 56.52	+16 29.4	1.060	1.871	23.0	19.7
12 13	7 53.17	+16 33.9	1.016	1.897	18.2	19.5
12 23	7 45.93	+16 53.8	0.988	1.925	12.5	19.2
1 2	7 35.79	+17 25.9	0.982	1.953	6.4	19.0
1 12	7 24.49	+18 5.0	1.000	1.983	2.0	18.8
1 22	7 13.91	+18 45.2	1.044	2.012	6.8	19.2
2 1	7 5.72	+19 22.3	1.111	2.043	12.2	19.6
2 11	7 0.97	+19 53.8	1.200	2.073	16.7	20.0

25308 1998 XW_{82} 1 10.9 50.°48 5.°0/12.9 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 50.29	+ 7 5.9	2.032	2.776	15.6	18.0
12 13	7 46.65	+ 6 47.1	1.952	2.785	12.9	17.8
12 23	7 40.78	+ 6 42.7	1.892	2.794	9.8	17.7
1 2	7 33.21	+ 6 53.9	1.858	2.803	6.8	17.5
1 12	7 24.80	+ 7 20.0	1.850	2.813	5.0	17.4
1 22	7 16.50	+ 7 58.7	1.871	2.823	6.3	17.5
2 1	7 9.29	+ 8 46.5	1.920	2.832	9.1	17.7
2 11	7 3.95	+ 9 39.2	1.993	2.842	12.1	17.9

153987 2002 AS_{150} 1 10.9 21.°31 2.°4/10.3 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 53.20	+25 58.3	1.475	2.279	17.9	19.8
12 13	7 50.11	+26 22.8	1.406	2.286	14.1	19.5
12 23	7 43.73	+26 50.8	1.357	2.295	9.7	19.3
1 2	7 34.79	+27 17.3	1.332	2.304	5.0	19.1
1 12	7 24.60	+27 37.1	1.333	2.314	2.5	18.9
1 22	7 14.71	+27 46.6	1.361	2.325	6.5	19.2
2 1	7 6.59	+27 45.0	1.415	2.336	11.0	19.5
2 11	7 1.34	+27 33.8	1.492	2.348	15.0	19.8

193933 2001 RR_{25} 1 10.9 140.°91 2.°1/10.3 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	8 0.59	+25 46.8	1.739	2.517	16.6	21.1
12 13	7 55.44	+26 14.2	1.661	2.527	13.2	20.9
12 23	7 47.14	+26 44.9	1.605	2.536	9.0	20.7
1 2	7 36.38	+27 13.8	1.574	2.544	4.6	20.4
1 12	7 24.40	+27 35.8	1.572	2.552	2.3	20.3
1 22	7 12.66	+27 47.6	1.599	2.560	6.1	20.5
2 1	7 2.57	+27 48.3	1.654	2.567	10.3	20.8
2 11	6 55.22	+27 39.6	1.733	2.573	14.1	21.0

82463 Mluigiaborsi 1 10.9 67.°45 1.°6/11.4 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 52.39	+16 50.6	2.184	2.948	14.1	18.8
12 13	7 48.10	+16 43.9	2.109	2.964	11.2	18.7
12 23	7 41.64	+16 44.2	2.056	2.980	7.8	18.5
1 2	7 33.57	+16 50.6	2.029	2.996	4.1	18.3
1 12	7 24.76	+17 1.4	2.031	3.012	1.6	18.1
1 22	7 16.16	+17 14.7	2.063	3.028	4.5	18.4
2 1	7 8.68	+17 28.9	2.124	3.044	8.0	18.6
2 11	7 3.06	+17 42.7	2.211	3.060	11.1	18.8

28797 2000 HH_{68} 1 10.9 143.°98 3.°8/12.7 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 50.27	+ 8 13.8	2.616	3.346	12.8	19.5
12 13	7 46.13	+ 8 2.7	2.525	3.352	10.5	19.3
12 23	7 40.17	+ 8 2.4	2.457	3.358	7.9	19.1
1 2	7 32.86	+ 8 13.4	2.416	3.363	5.3	19.0
1 12	7 24.85	+ 8 35.2	2.404	3.368	3.8	18.9
1 22	7 16.91	+ 9 5.9	2.421	3.373	5.0	19.0
2 1	7 9.78	+ 9 43.2	2.468	3.378	7.5	19.1
2 11	7 4.13	+10 24.2	2.542	3.382	10.1	19.3

151275 2002 AH_{181} 1 10.9 43.°28 6.°3/ 9.6 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	8 1.57	+38 5.6	1.824	2.599	16.1	20.2
12 13	7 56.42	+38 35.0	1.748	2.603	13.1	20.0
12 23	7 47.88	+38 57.1	1.693	2.607	9.9	19.8
1 2	7 36.73	+39 4.8	1.663	2.612	7.1	19.6
1 12	7 24.37	+38 52.4	1.661	2.616	6.4	19.6
1 22	7 12.43	+38 18.2	1.685	2.621	8.3	19.7
2 1	7 2.41	+37 24.9	1.737	2.626	11.4	19.9
2 11	6 55.40	+36 18.1	1.812	2.631	14.5	20.1

354142 2002 CP_{89} 1 10.9 345.°82 2.°4/10.3 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 53.94	+25 33.8	1.304	2.115	19.4	21.1
12 13	7 51.36	+25 54.7	1.225	2.109	15.5	20.8
12 23	7 45.03	+26 20.4	1.165	2.104	10.7	20.5
1 2	7 35.61	+26 45.8	1.127	2.100	5.4	20.2
1 12	7 24.49	+27 4.8	1.115	2.096	2.6	20.0
1 22	7 13.48	+27 12.8	1.128	2.093	7.2	20.3
2 1	7 4.41	+27 8.7	1.166	2.091	12.5	20.6
2 11	6 58.62	+26 54.4	1.225	2.089	17.1	20.8

11498 Julgeerts 1 10.9 200.°94 1.°0/11.3 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 53.50	+17 53.1	2.404	3.162	13.1	19.2
12 13	7 48.98	+17 59.7	2.306	3.159	10.4	19.0
12 23	7 42.31	+18 12.8	2.231	3.155	7.2	18.8
1 2	7 33.97	+18 31.0	2.183	3.151	3.7	18.5
1 12	7 24.72	+18 52.2	2.164	3.147	1.0	18.3
1 22	7 15.49	+19 14.1	2.177	3.142	4.2	18.6
2 1	7 7.20	+19 34.9	2.219	3.137	7.8	18.8
2 11	7 0.65	+19 53.4	2.288	3.131	11.0	19.0

30604 2107 P–L 1 10.9 221.°15 2.°3/11.5 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 57.45	+16 16.3	1.799	2.564	16.6	20.0
12 13	7 52.89	+16 1.0	1.701	2.557	13.4	19.8
12 23	7 45.44	+15 54.2	1.625	2.549	9.5	19.5
1 2	7 35.63	+15 55.3	1.574	2.540	5.2	19.2
1 12	7 24.50	+16 2.7	1.551	2.531	2.3	19.0
1 22	7 13.34	+16 14.4	1.557	2.521	5.7	19.2
2 1	7 3.49	+16 28.4	1.591	2.511	10.1	19.5
2 11	6 56.02	+16 43.2	1.650	2.500	14.2	19.7

456514 2006 XD_{72} 1 10.9 50.°96 0.°6/11.1 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 53.81	+18 46.1	1.630	2.416	17.3	21.4
12 13	7 50.12	+19 2.5	1.557	2.426	13.7	21.2
12 23	7 43.51	+19 28.3	1.504	2.437	9.4	20.9
1 2	7 34.64	+20 0.8	1.476	2.447	4.6	20.7
1 12	7 24.64	+20 35.9	1.475	2.458	0.7	20.4
1 22	7 14.86	+21 9.8	1.503	2.470	5.4	20.8
2 1	7 6.58	+21 39.4	1.557	2.481	10.0	21.1
2 11	7 0.83	+22 3.3	1.636	2.493	13.9	21.3

416838 2005 JQ_{147} 1 10.9 132.°20 10.°5/16.1 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 54.90	−13 24.5	2.648	3.248	15.3	22.1
12 13	7 49.64	−14 43.5	2.577	3.266	13.9	22.0
12 23	7 42.51	−15 43.1	2.525	3.284	12.5	21.9
1 2	7 33.96	−16 18.7	2.495	3.301	11.3	21.9
1 12	7 24.74	−16 27.5	2.489	3.317	10.6	21.9
1 22	7 15.63	−16 9.7	2.508	3.333	10.7	21.9
2 1	7 7.43	−15 27.7	2.551	3.347	11.4	22.0
2 11	7 0.81	−14 26.6	2.618	3.361	12.6	22.1

164346 2005 CH_{31} 1 10.9 193.°96 0.°1/10.8 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 52.27	+20 52.7	2.803	3.561	11.5	20.9
12 13	7 47.72	+21 10.3	2.704	3.559	9.0	20.7
12 23	7 41.30	+21 32.3	2.630	3.556	6.2	20.5
1 2	7 33.44	+21 56.7	2.583	3.554	3.0	20.3
1 12	7 24.81	+22 21.1	2.567	3.550	0.4	20.1
1 22	7 16.19	+22 43.5	2.582	3.546	3.7	20.4
2 1	7 8.39	+23 2.3	2.628	3.542	6.9	20.6
2 11	7 2.08	+23 16.9	2.701	3.537	9.7	20.7

424702 2008 SH_{45} 1 10.9 32.°46 9.°5/14.8 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 49.26	− 2 11.7	1.793	2.510	18.4	20.6
12 13	7 46.09	− 3 11.2	1.725	2.523	15.9	20.5
12 23	7 40.51	− 3 49.4	1.675	2.536	13.3	20.3
1 2	7 33.12	− 4 2.1	1.646	2.550	10.9	20.2
1 12	7 24.85	− 3 47.4	1.642	2.564	9.6	20.2
1 22	7 16.76	− 3 7.0	1.663	2.579	9.9	20.2
2 1	7 9.89	− 2 5.3	1.709	2.595	11.7	20.3
2 11	7 5.04	− 0 49.2	1.778	2.611	14.1	20.5

31124 Slavíček 1 10.9 23.°42 1.°3/10.6 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 56.07	+23 44.6	1.354	2.156	19.3	19.1
12 13	7 52.70	+23 57.2	1.280	2.159	15.3	18.9
12 23	7 45.73	+24 15.5	1.225	2.162	10.5	18.6
1 2	7 35.86	+24 35.1	1.193	2.166	5.1	18.3
1 12	7 24.50	+24 51.0	1.188	2.170	1.5	18.1
1 22	7 13.39	+24 59.5	1.208	2.175	6.6	18.4
2 1	7 4.20	+24 59.2	1.255	2.179	11.8	18.7
2 11	6 58.18	+24 51.4	1.323	2.185	16.3	19.0

235009 2003 DB_{12} 1 10.9 192.°53 3.°6/12.2 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 55.38	+11 11.3	1.769	2.527	17.2	21.2
12 13	7 51.21	+11 10.4	1.679	2.526	14.0	20.9
12 23	7 44.25	+11 23.9	1.609	2.525	10.2	20.7
1 2	7 35.05	+11 51.9	1.563	2.523	6.2	20.5
1 12	7 24.60	+12 32.3	1.545	2.521	3.6	20.3
1 22	7 14.15	+13 21.5	1.556	2.518	6.0	20.4
2 1	7 4.96	+14 15.3	1.595	2.515	10.1	20.7
2 11	6 58.09	+15 9.7	1.659	2.511	14.0	20.9

393424 2001 SB_{68} 1 10.9 69.°37 1.°2/11.2 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 59.01	+17 31.6	1.384	2.170	19.8	21.2
12 13	7 54.40	+17 43.3	1.328	2.197	15.6	21.0
12 23	7 46.45	+18 6.5	1.292	2.223	10.7	20.8
1 2	7 36.02	+18 38.1	1.279	2.250	5.3	20.5
1 12	7 24.51	+19 13.4	1.293	2.276	1.3	20.3
1 22	7 13.53	+19 47.9	1.335	2.302	6.0	20.7
2 1	7 4.52	+20 18.6	1.403	2.328	10.8	21.0
2 11	6 58.48	+20 44.1	1.495	2.353	14.9	21.4

412328 2013 KH_{13} 1 10.9 206.°79 2.°8/11.7 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 54.96	+13 59.3	2.206	2.957	14.4	21.3
12 13	7 50.29	+13 41.4	2.107	2.952	11.6	21.1
12 23	7 43.30	+13 31.9	2.030	2.947	8.4	20.9
1 2	7 34.49	+13 30.6	1.979	2.941	4.9	20.6
1 12	7 24.69	+13 36.7	1.958	2.935	2.8	20.5
1 22	7 14.89	+13 48.7	1.967	2.928	5.1	20.6
2 1	7 6.12	+14 4.9	2.005	2.920	8.6	20.8
2 11	6 59.23	+14 23.3	2.069	2.913	12.0	21.0

140705 2001 UG_{78} 1 10.9 268.°50 7.°4/ 7.2 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 58.33	+43 20.8	2.503	3.256	12.8	19.8
12 13	7 53.59	+44 32.7	2.411	3.243	10.8	19.6
12 23	7 45.94	+45 38.5	2.343	3.230	8.9	19.5
1 2	7 35.90	+46 30.9	2.301	3.216	7.6	19.4
1 12	7 24.50	+47 3.7	2.286	3.203	7.5	19.4
1 22	7 13.04	+47 13.5	2.299	3.190	8.9	19.4
2 1	7 2.88	+47 0.2	2.338	3.176	10.9	19.5
2 11	6 55.13	+46 27.5	2.400	3.163	13.0	19.7

29944 1999 JF_{80} 1 10.9 191.°11 0.°3/11.1 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 46.99	+18 56.9	3.910	4.659	8.6	19.3
12 13	7 43.07	+19 18.8	3.808	4.658	6.8	19.2
12 23	7 37.87	+19 44.8	3.732	4.656	4.6	19.0
1 2	7 31.71	+20 13.5	3.685	4.654	2.3	18.8
1 12	7 25.05	+20 43.4	3.669	4.652	0.4	18.6
1 22	7 18.39	+21 12.9	3.685	4.649	2.7	18.9
2 1	7 12.25	+21 40.6	3.732	4.647	5.1	19.0
2 11	7 7.08	+22 5.7	3.808	4.644	7.2	19.2

200862 2001 YY_{70} 1 10.9 70.°42 1.°5/10.4 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 56.69	+21 36.2	1.450	2.244	18.7	20.2
12 13	7 52.88	+22 27.5	1.382	2.257	14.7	20.0
12 23	7 45.67	+23 28.8	1.334	2.270	10.0	19.8
1 2	7 35.79	+24 34.3	1.311	2.283	4.8	19.5
1 12	7 24.54	+25 36.5	1.315	2.297	1.7	19.3
1 22	7 13.53	+26 29.3	1.346	2.310	6.4	19.7
2 1	7 4.33	+27 9.2	1.404	2.324	11.2	20.0
2 11	6 58.10	+27 36.0	1.485	2.337	15.3	20.2

304083 2006 GW_{47} 1 10.9 234.°67 1.°7/10.3 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 57.47	+24 34.5	1.862	2.640	15.7	21.9
12 13	7 53.06	+25 3.0	1.764	2.630	12.5	21.7
12 23	7 45.66	+25 36.5	1.689	2.620	8.6	21.4
1 2	7 35.80	+26 10.7	1.638	2.609	4.3	21.1
1 12	7 24.52	+26 40.6	1.617	2.598	1.9	20.9
1 22	7 13.18	+27 2.2	1.625	2.586	5.8	21.2
2 1	7 3.16	+27 13.8	1.660	2.574	10.2	21.4
2 11	6 55.62	+27 15.8	1.721	2.562	14.1	21.6

220552 2004 GD_{38} 1 10.9 217.°37 5.°6/13.0 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 52.76	+ 4 8.9	2.507	3.218	13.8	21.3
12 13	7 48.28	+ 3 38.1	2.402	3.209	11.6	21.1
12 23	7 41.79	+ 3 19.8	2.318	3.199	9.2	21.0
1 2	7 33.73	+ 3 15.9	2.259	3.189	6.9	20.8
1 12	7 24.79	+ 3 27.1	2.230	3.178	5.6	20.7
1 22	7 15.80	+ 3 52.4	2.229	3.166	6.5	20.7
2 1	7 7.60	+ 4 29.7	2.258	3.154	8.8	20.9
2 11	7 0.95	+ 5 15.4	2.313	3.141	11.4	21.0

8333 1982 VF 1 10.9 136.°61 4.°2/ 9.4 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 58.10	+32 40.2	2.172	2.944	13.9	17.7
12 13	7 53.06	+33 22.4	2.093	2.951	11.1	17.5
12 23	7 45.31	+34 2.8	2.036	2.958	8.0	17.4
1 2	7 35.47	+34 35.9	2.006	2.964	5.2	17.2
1 12	7 24.58	+34 56.5	2.005	2.971	4.3	17.2
1 22	7 13.88	+35 2.1	2.033	2.977	6.5	17.3
2 1	7 4.56	+34 52.6	2.089	2.982	9.6	17.5
2 11	6 57.57	+34 30.7	2.170	2.988	12.5	17.7

278935 2008 UK_{21} 1 10.9 13.°84 2.°5/11.7 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 51.43	+14 38.3	2.065	2.830	14.8	21.1
12 13	7 47.64	+14 25.5	1.976	2.830	11.9	20.9
12 23	7 41.53	+14 21.5	1.909	2.831	8.5	20.6
1 2	7 33.64	+14 26.2	1.868	2.832	4.8	20.4
1 12	7 24.82	+14 38.3	1.855	2.833	2.5	20.3
1 22	7 16.07	+14 55.7	1.871	2.835	5.0	20.4
2 1	7 8.42	+15 16.5	1.916	2.836	8.6	20.7
2 11	7 2.68	+15 38.6	1.986	2.838	12.0	20.9

6932 Tanigawadake 1 10.9 169.°09 0.°1/10.9 18 R

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 58.31	+19 41.8	2.131	2.890	14.6	18.6
12 13	7 53.03	+20 3.4	2.041	2.896	11.5	18.4
12 23	7 45.23	+20 32.0	1.974	2.901	7.9	18.1
1 2	7 35.44	+21 4.7	1.934	2.905	3.8	17.9
1 12	7 24.60	+21 38.1	1.924	2.908	0.5	17.6
1 22	7 13.83	+22 8.8	1.945	2.910	4.7	18.0
2 1	7 4.26	+22 34.7	1.996	2.911	8.7	18.2
2 11	6 56.79	+22 55.1	2.073	2.911	12.1	18.4

318067 2004 FS_{140} 1 10.9 257.°70 1.°0/11.2 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 56.50	+18 29.0	1.542	2.326	18.2	21.6
12 13	7 52.80	+18 32.6	1.446	2.314	14.6	21.3
12 23	7 45.79	+18 46.1	1.371	2.302	10.2	21.1
1 2	7 35.99	+19 7.6	1.319	2.290	5.2	20.7
1 12	7 24.54	+19 33.5	1.294	2.277	1.1	20.4
1 22	7 12.96	+20 0.0	1.297	2.264	6.1	20.7
2 1	7 2.85	+20 24.2	1.327	2.251	11.3	21.0
2 11	6 55.55	+20 44.3	1.380	2.238	15.9	21.2

425418 2010 CE_{165} 1 10.9 289.°28 3.°8/12.4 17

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 50.03	+ 9 48.0	2.242	2.989	14.3	21.4
12 13	7 46.56	+ 9 43.0	2.129	2.968	11.7	21.2
12 23	7 40.89	+ 9 50.3	2.037	2.947	8.8	21.0
1 2	7 33.41	+10 10.4	1.971	2.925	5.6	20.8
1 12	7 24.87	+10 42.6	1.933	2.904	3.8	20.6
1 22	7 16.16	+11 24.8	1.924	2.882	5.5	20.7
2 1	7 8.27	+12 13.8	1.944	2.861	8.8	20.8
2 11	7 2.08	+13 6.1	1.990	2.839	12.1	21.0

101485 1998 WH_{36} 1 10.9 118.°15 4.°0/ 9.5 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 59.65	+30 34.0	2.018	2.790	14.8	21.5
12 13	7 54.39	+31 27.5	1.946	2.806	11.8	21.3
12 23	7 46.28	+32 21.0	1.897	2.821	8.3	21.1
1 2	7 35.97	+33 8.3	1.874	2.836	5.1	21.0
1 12	7 24.58	+33 43.7	1.881	2.850	4.1	20.9
1 22	7 13.43	+34 3.7	1.917	2.864	6.6	21.1
2 1	7 3.78	+34 7.9	1.981	2.877	9.8	21.3
2 11	6 56.60	+33 58.8	2.070	2.890	12.9	21.5

413501 2005 QU_{64} 1 10.9 151.°59 5.°8/ 9.1 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	8 2.67	+38 33.7	2.305	3.061	13.7	21.4
12 13	7 56.65	+39 18.6	2.227	3.070	11.2	21.3
12 23	7 47.75	+39 57.7	2.172	3.077	8.5	21.1
1 2	7 36.66	+40 24.5	2.143	3.084	6.4	21.0
1 12	7 24.51	+40 33.6	2.144	3.091	5.9	21.0
1 22	7 12.62	+40 23.0	2.173	3.097	7.5	21.1
2 1	7 2.28	+39 53.9	2.231	3.102	10.0	21.2
2 11	6 54.44	+39 10.5	2.313	3.107	12.5	21.4

486077 2012 UX_{28} 1 10.9 137.°27 2.°3/10.4 17

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	8 3.03	+26 45.3	1.670	2.448	17.3	22.1
12 13	7 57.46	+27 4.1	1.595	2.459	13.7	21.9
12 23	7 48.58	+27 24.8	1.540	2.471	9.4	21.6
1 2	7 37.14	+27 42.2	1.511	2.481	4.8	21.4
1 12	7 24.45	+27 51.2	1.511	2.491	2.4	21.2
1 22	7 12.09	+27 49.1	1.539	2.500	6.3	21.5
2 1	7 1.57	+27 36.2	1.596	2.508	10.6	21.8
2 11	6 53.96	+27 14.9	1.676	2.516	14.5	22.0

519187 2010 OE_{125} 1 10.9 133.°06 4.°6/ 9.6 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	8 1.27	+34 3.3	2.083	2.851	14.6	21.7
12 13	7 55.63	+34 38.3	2.007	2.862	11.7	21.5
12 23	7 47.09	+35 9.9	1.953	2.872	8.5	21.3
1 2	7 36.35	+35 32.0	1.925	2.881	5.6	21.2
1 12	7 24.56	+35 39.7	1.926	2.891	4.7	21.1
1 22	7 13.06	+35 30.9	1.957	2.899	6.8	21.3
2 1	7 3.13	+35 6.4	2.016	2.908	9.9	21.5
2 11	6 55.74	+34 29.9	2.099	2.916	12.9	21.7

376664 2013 QX_{9} 1 10.9 259.°22 1.°4/10.5 17

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 56.02	+25 2.2	2.140	2.912	14.1	21.8
12 13	7 51.55	+25 15.8	2.033	2.895	11.2	21.5
12 23	7 44.44	+25 32.2	1.948	2.878	7.8	21.3
1 2	7 35.18	+25 48.2	1.889	2.860	3.9	21.0
1 12	7 24.68	+26 0.2	1.860	2.842	1.5	20.8
1 22	7 14.09	+26 5.5	1.861	2.823	5.2	21.0
2 1	7 4.61	+26 3.2	1.890	2.804	9.2	21.2
2 11	6 57.26	+25 53.9	1.945	2.785	12.8	21.4

177495 2004 EG_{41} 1 10.9 257.°19 5.°7/ 8.7 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 59.31	+35 0.9	2.062	2.834	14.6	21.3
12 13	7 54.69	+36 1.1	1.961	2.817	11.9	21.0
12 23	7 46.92	+37 0.4	1.882	2.799	8.9	20.8
1 2	7 36.51	+37 51.3	1.829	2.780	6.4	20.6
1 12	7 24.51	+38 26.9	1.805	2.761	5.9	20.6
1 22	7 12.35	+38 42.4	1.809	2.742	8.0	20.6
2 1	7 1.53	+38 36.9	1.840	2.723	11.2	20.8
2 11	6 53.32	+38 13.6	1.895	2.703	14.4	21.0

325313 2008 HU_{68} 1 10.9 120.°71 2.°8/11.9 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 52.90	+13 6.5	2.019	2.778	15.3	21.2
12 13	7 48.83	+13 3.4	1.934	2.783	12.3	21.0
12 23	7 42.38	+13 11.1	1.869	2.788	8.8	20.8
1 2	7 34.08	+13 29.3	1.831	2.793	5.1	20.6
1 12	7 24.83	+13 56.2	1.820	2.797	2.8	20.4
1 22	7 15.67	+14 29.2	1.839	2.802	5.2	20.6
2 1	7 7.64	+15 5.2	1.887	2.806	8.8	20.8
2 11	7 1.59	+15 41.7	1.960	2.811	12.2	21.0

206285 2003 AT_{67} 1 10.9 27.°76 0.°3/10.7 17

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 54.42	+15 5.8	2.080	2.839	14.9	19.2
12 13	7 50.20	+16 47.3	1.990	2.845	11.8	19.0
12 23	7 43.47	+18 45.1	1.925	2.852	8.1	18.8
1 2	7 34.71	+20 53.9	1.888	2.859	3.9	18.5
1 12	7 24.75	+23 6.0	1.883	2.866	0.6	18.3
1 22	7 14.68	+25 12.9	1.910	2.874	4.9	18.6
2 1	7 5.64	+27 8.0	1.969	2.882	8.9	18.9
2 11	6 58.60	+28 47.4	2.055	2.890	12.4	19.1

233477 2006 RV_{78} 1 10.9 300.°68 7.°1/14.2 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 48.32	− 1 3.5	2.437	3.135	14.5	20.4
12 13	7 44.86	− 1 35.8	2.340	3.130	12.5	20.3
12 23	7 39.50	− 1 52.2	2.264	3.124	10.3	20.1
1 2	7 32.66	− 1 49.9	2.211	3.118	8.3	20.0
1 12	7 25.02	− 1 27.9	2.185	3.113	7.2	19.9
1 22	7 17.35	− 0 47.2	2.186	3.107	7.6	19.9
2 1	7 10.49	+ 0 9.2	2.215	3.102	9.4	20.0
2 11	7 5.14	+ 1 16.7	2.269	3.096	11.7	20.1

418593 2008 SY_{246} 1 10.9 104.°79 3.°6/11.9 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 56.00	+11 48.8	2.500	3.233	13.3	21.4
12 13	7 50.49	+11 6.6	2.424	3.255	10.8	21.3
12 23	7 43.06	+10 32.1	2.372	3.277	7.9	21.1
1 2	7 34.26	+10 6.0	2.347	3.299	5.1	21.0
1 12	7 24.84	+ 9 48.7	2.352	3.320	3.6	20.9
1 22	7 15.67	+ 9 39.5	2.388	3.340	5.0	21.0
2 1	7 7.54	+ 9 37.6	2.454	3.360	7.7	21.2
2 11	7 1.09	+ 9 41.3	2.546	3.380	10.3	21.4

125728 2001 XJ_{111} 1 10.9 306.°69 2.°3/11.5 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 53.68	+16 37.5	1.454	2.245	18.8	20.1
12 13	7 50.66	+16 24.3	1.364	2.234	15.2	19.9
12 23	7 44.35	+16 21.6	1.292	2.223	10.8	19.6
1 2	7 35.31	+16 29.0	1.244	2.213	5.8	19.3
1 12	7 24.68	+16 44.5	1.222	2.203	2.3	19.0
1 22	7 13.99	+17 4.9	1.226	2.193	6.4	19.2
2 1	7 4.83	+17 27.5	1.257	2.184	11.5	19.5
2 11	6 58.47	+17 49.7	1.309	2.175	16.1	19.7

52293 Mommsen 1 10.9 6.°38 6.°6/ 8.7 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 53.58	+36 25.5	1.761	2.553	15.9	18.0
12 13	7 50.41	+37 27.0	1.689	2.554	13.0	17.8
12 23	7 44.01	+38 24.6	1.637	2.556	9.8	17.6
1 2	7 35.03	+39 10.6	1.610	2.559	7.2	17.5
1 12	7 24.73	+39 38.0	1.609	2.563	6.8	17.5
1 22	7 14.63	+39 43.2	1.635	2.567	8.8	17.6
2 1	7 6.21	+39 26.6	1.686	2.573	11.8	17.8
2 11	7 0.60	+38 52.4	1.759	2.579	14.8	18.0

165836 2001 RJ_{140} 1 10.9 56.°84 2.°6/ 9.9 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 54.19	+27 44.0	2.102	2.882	14.1	19.7
12 13	7 49.85	+28 20.5	2.034	2.900	11.1	19.5
12 23	7 43.02	+28 58.2	1.989	2.919	7.6	19.4
1 2	7 34.36	+29 32.7	1.971	2.938	4.2	19.2
1 12	7 24.84	+29 59.6	1.981	2.957	2.7	19.1
1 22	7 15.57	+30 16.3	2.021	2.977	5.4	19.3
2 1	7 7.61	+30 22.1	2.088	2.996	8.8	19.6
2 11	7 1.79	+30 18.2	2.181	3.016	11.8	19.8

377010 2002 QE_{125} 1 10.9 76.°93 5.°3/ 9.5 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 59.47	+37 23.7	2.193	2.960	14.0	21.1
12 13	7 54.14	+37 53.6	2.119	2.970	11.3	20.9
12 23	7 46.02	+38 17.6	2.067	2.980	8.5	20.7
1 2	7 35.82	+38 29.8	2.042	2.990	6.1	20.6
1 12	7 24.67	+38 25.8	2.044	3.000	5.4	20.6
1 22	7 13.86	+38 4.3	2.076	3.010	7.1	20.7
2 1	7 4.60	+37 26.6	2.135	3.020	9.8	20.9
2 11	6 57.80	+36 36.8	2.219	3.030	12.5	21.1

6282 Edwelda 1 10.9 30.°09 2.°8/10.3 17

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 54.62	+25 16.0	1.038	1.865	22.2	16.8
12 13	7 52.32	+25 49.3	0.987	1.880	17.5	16.6
12 23	7 45.80	+26 28.7	0.953	1.896	12.0	16.3
1 2	7 35.97	+27 7.1	0.940	1.913	6.1	16.1
1 12	7 24.65	+27 36.6	0.951	1.932	3.0	15.9
1 22	7 13.94	+27 52.2	0.987	1.952	7.9	16.3
2 1	7 5.74	+27 53.2	1.045	1.973	13.2	16.6
2 11	7 1.27	+27 42.3	1.123	1.995	17.8	17.0

170409 2003 UK_{27} 1 10.9 83.°31 0.°7/11.2 17

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 58.10	+17 5.1	1.706	2.476	17.2	20.5
12 13	7 53.18	+17 40.9	1.643	2.503	13.6	20.4
12 23	7 45.43	+18 27.8	1.602	2.530	9.3	20.2
1 2	7 35.55	+19 22.0	1.586	2.557	4.6	19.9
1 12	7 24.71	+20 18.4	1.600	2.583	0.8	19.7
1 22	7 14.20	+21 12.1	1.642	2.608	5.2	20.1
2 1	7 5.28	+21 59.6	1.713	2.633	9.5	20.4
2 11	6 58.85	+22 39.2	1.809	2.658	13.2	20.7

450715 2007 CE_{31} 1 10.9 239.°38 0.°9/11.2 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 56.85	+18 15.0	1.610	2.390	17.7	21.9
12 13	7 52.91	+18 25.0	1.515	2.381	14.2	21.6
12 23	7 45.78	+18 45.2	1.441	2.371	9.9	21.3
1 2	7 35.98	+19 13.5	1.391	2.362	5.0	21.0
1 12	7 24.63	+19 46.2	1.369	2.352	1.0	20.7
1 22	7 13.17	+20 19.0	1.374	2.341	5.9	21.0
2 1	7 3.14	+20 48.8	1.407	2.330	10.9	21.3
2 11	6 55.80	+21 13.9	1.464	2.319	15.3	21.5

108486 2001 KL_{62} 1 10.9 82.°05 3.°3/ 9.5 18 R

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 54.35	+28 27.1	2.169	2.946	13.8	19.5
12 13	7 50.11	+29 24.2	2.090	2.955	10.9	19.3
12 23	7 43.33	+30 23.5	2.035	2.963	7.6	19.1
1 2	7 34.59	+31 19.7	2.007	2.972	4.4	19.0
1 12	7 24.82	+32 7.2	2.008	2.981	3.4	18.9
1 22	7 15.14	+32 42.5	2.039	2.989	5.9	19.1
2 1	7 6.68	+33 3.9	2.098	2.998	9.2	19.3
2 11	7 0.34	+33 12.4	2.181	3.007	12.1	19.5

108892 2001 PM_2 1 10.9 126.°16 0.°4/10.8 18 R

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 54.50	+23 38.8	2.554	3.317	12.3	20.0
12 13	7 49.56	+23 35.3	2.468	3.325	9.7	19.8
12 23	7 42.58	+23 33.6	2.405	3.333	6.6	19.6
1 2	7 34.09	+23 31.8	2.371	3.342	3.2	19.4
1 12	7 24.89	+23 27.9	2.367	3.349	0.6	19.2
1 22	7 15.85	+23 20.9	2.393	3.357	4.0	19.5
2 1	7 7.84	+23 10.4	2.450	3.364	7.3	19.7
2 11	7 1.56	+22 56.9	2.533	3.372	10.2	19.9

399895 2005 WH_{86} 1 10.9 21.°16 4.°2/11.7 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 55.28	+14 21.7	1.349	2.138	20.1	21.1
12 13	7 51.88	+13 38.2	1.273	2.140	16.3	20.9
12 23	7 45.09	+13 5.7	1.216	2.142	11.8	20.6
1 2	7 35.59	+12 45.8	1.181	2.145	7.0	20.3
1 12	7 24.70	+12 38.4	1.171	2.148	4.2	20.2
1 22	7 13.99	+12 42.1	1.188	2.151	7.2	20.4
2 1	7 5.05	+12 54.6	1.230	2.155	11.9	20.6
2 11	6 59.04	+13 12.7	1.294	2.159	16.3	20.9

320283 2007 RN_{178} 1 10.9 355.°59 2.°3/10.0 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 51.79	+25 57.7	2.005	2.791	14.5	20.6
12 13	7 48.31	+26 35.1	1.919	2.789	11.4	20.3
12 23	7 42.23	+27 16.2	1.855	2.788	7.9	20.1
1 2	7 34.10	+27 56.7	1.817	2.786	4.1	19.9
1 12	7 24.88	+28 31.8	1.807	2.786	2.4	19.8
1 22	7 15.71	+28 58.1	1.826	2.785	5.6	20.0
2 1	7 7.76	+29 13.8	1.873	2.785	9.3	20.2
2 11	7 1.96	+29 19.3	1.944	2.786	12.7	20.4

419367 2009 XQ_3 1 10.9 324.°85 2.°8/ 9.5 16

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 52.61	+24 19.8	1.885	2.671	15.2	20.3
12 13	7 49.30	+25 36.1	1.793	2.664	12.1	20.0
12 23	7 43.17	+27 1.2	1.723	2.656	8.3	19.8
1 2	7 34.69	+28 29.2	1.680	2.649	4.5	19.5
1 12	7 24.81	+29 52.8	1.666	2.643	3.0	19.4
1 22	7 14.77	+31 5.2	1.681	2.636	6.4	19.6
2 1	7 5.93	+32 2.3	1.723	2.631	10.3	19.8
2 11	6 59.40	+32 43.4	1.790	2.625	13.9	20.1

270477 2002 EK_5 1 10.9 327.°52 2.°6/10.1 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 55.71	+28 1.3	1.954	2.735	14.9	21.1
12 13	7 51.44	+28 24.8	1.867	2.734	11.9	20.9
12 23	7 44.39	+28 49.4	1.802	2.733	8.2	20.6
1 2	7 35.15	+29 10.7	1.764	2.732	4.5	20.4
1 12	7 24.77	+29 24.2	1.754	2.731	2.8	20.3
1 22	7 14.51	+29 27.3	1.773	2.731	5.8	20.5
2 1	7 5.62	+29 19.4	1.819	2.730	9.7	20.7
2 11	6 59.10	+29 2.3	1.890	2.729	13.1	20.9

77817 2001 QR_{164} 1 10.9 126.°92 5.°1/ 9.2 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 59.66	+39 11.9	2.682	3.434	12.1	19.7
12 13	7 53.82	+39 46.3	2.606	3.446	9.8	19.6
12 23	7 45.58	+40 14.5	2.554	3.457	7.5	19.5
1 2	7 35.57	+40 31.6	2.529	3.468	5.6	19.4
1 12	7 24.74	+40 33.6	2.533	3.478	5.2	19.4
1 22	7 14.18	+40 19.0	2.567	3.489	6.6	19.5
2 1	7 4.93	+39 49.1	2.629	3.499	8.8	19.6
2 11	6 57.77	+39 6.9	2.717	3.508	11.0	19.8

522370 2016 CE_{302} 1 10.9 168.°92 3.°6/12.5 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 51.89	+ 9 45.6	2.290	3.031	14.2	21.9
12 13	7 47.77	+ 9 39.9	2.198	3.033	11.6	21.7
12 23	7 41.54	+ 9 45.9	2.128	3.035	8.6	21.5
1 2	7 33.68	+10 3.9	2.083	3.037	5.5	21.4
1 12	7 24.96	+10 32.7	2.068	3.038	3.6	21.2
1 22	7 16.27	+11 10.2	2.082	3.039	5.2	21.3
2 1	7 8.53	+11 53.4	2.125	3.040	8.3	21.5
2 11	7 2.50	+12 39.1	2.195	3.040	11.3	21.7

405966 2006 SN_{76} 1 10.9 116.°31 5.°9/13.5 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 55.17	+ 3 36.7	2.209	2.922	15.4	22.4
12 13	7 50.17	+ 3 11.7	2.135	2.943	12.9	22.2
12 23	7 43.04	+ 3 2.0	2.081	2.963	10.1	22.1
1 2	7 34.34	+ 3 9.0	2.053	2.983	7.4	22.0
1 12	7 24.89	+ 3 32.7	2.053	3.002	5.9	21.9
1 22	7 15.64	+ 4 10.8	2.082	3.021	6.7	22.0
2 1	7 7.48	+ 5 0.1	2.139	3.038	9.1	22.2
2 11	7 1.15	+ 5 56.0	2.223	3.055	11.7	22.4

466591 2014 US_{118} 1 10.9 148.°32 4.°1/12.1 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 53.86	+11 25.1	1.998	2.750	15.6	21.1
12 13	7 49.60	+10 53.6	1.910	2.753	12.7	20.9
12 23	7 42.92	+10 32.5	1.844	2.756	9.4	20.7
1 2	7 34.38	+10 22.8	1.803	2.758	6.0	20.5
1 12	7 24.88	+10 24.2	1.790	2.760	4.1	20.3
1 22	7 15.47	+10 35.5	1.806	2.763	5.9	20.5
2 1	7 7.21	+10 54.7	1.850	2.765	9.3	20.7
2 11	7 0.95	+11 18.9	1.919	2.766	12.6	20.9

79107 1981 EX_{37} 1 10.9 232.°39 2.°8/11.6 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 56.36	+15 10.4	1.541	2.318	18.5	20.3
12 13	7 52.52	+14 58.0	1.452	2.314	14.9	20.1
12 23	7 45.48	+14 57.0	1.382	2.309	10.7	19.8
1 2	7 35.83	+15 7.2	1.337	2.303	5.9	19.5
1 12	7 24.69	+15 26.4	1.318	2.298	2.8	19.3
1 22	7 13.55	+15 51.8	1.327	2.292	6.3	19.5
2 1	7 3.90	+16 20.2	1.362	2.286	11.1	19.8
2 11	6 56.96	+16 48.9	1.421	2.280	15.5	20.0

258971 2002 SL_{37} 1 10.9 44.°23 2.°5/10.2 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 57.08	+25 19.3	1.343	2.146	19.4	20.3
12 13	7 53.25	+25 56.5	1.291	2.171	15.2	20.1
12 23	7 45.88	+26 38.2	1.259	2.196	10.3	19.9
1 2	7 35.87	+27 18.2	1.250	2.221	5.2	19.7
1 12	7 24.73	+27 49.9	1.267	2.248	2.7	19.6
1 22	7 14.15	+28 9.4	1.312	2.274	6.8	19.9
2 1	7 5.66	+28 15.9	1.381	2.301	11.3	20.2
2 11	7 0.29	+28 11.4	1.474	2.329	15.3	20.5

38790 2000 RE_{46} 1 10.9 50.°84 2.°4/10.5 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 58.75	+27 3.2	1.456	2.252	18.5	17.9
12 13	7 54.58	+27 12.0	1.385	2.260	14.7	17.7
12 23	7 46.88	+27 22.3	1.333	2.268	10.1	17.5
1 2	7 36.43	+27 29.0	1.305	2.276	5.2	17.2
1 12	7 24.67	+27 27.4	1.304	2.285	2.5	17.0
1 22	7 13.27	+27 15.2	1.331	2.294	6.6	17.3
2 1	7 3.84	+26 52.9	1.383	2.303	11.3	17.6
2 11	6 57.51	+26 23.4	1.458	2.312	15.5	17.9

349777 2009 BS_{17} 1 10.9 219.°01 2.°4/10.0 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 57.81	+24 48.4	1.725	2.508	16.6	21.0
12 13	7 53.62	+25 37.3	1.634	2.503	13.2	20.7
12 23	7 46.25	+26 33.0	1.565	2.498	9.1	20.5
1 2	7 36.22	+27 29.9	1.522	2.492	4.7	20.2
1 12	7 24.67	+28 21.4	1.506	2.486	2.6	20.0
1 22	7 13.05	+29 2.0	1.520	2.479	6.5	20.3
2 1	7 2.88	+29 28.8	1.560	2.472	10.9	20.5
2 11	6 55.40	+29 42.5	1.625	2.465	14.9	20.7

421924 2014 QS_{236} 1 10.9 217.°87 0.°5/10.8 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 57.11	+22 5.2	1.975	2.746	15.2	22.2
12 13	7 52.50	+22 18.4	1.878	2.740	12.0	22.0
12 23	7 45.14	+22 36.8	1.803	2.733	8.3	21.7
1 2	7 35.56	+22 57.7	1.754	2.725	4.0	21.5
1 12	7 24.76	+23 17.3	1.734	2.717	0.7	21.2
1 22	7 13.94	+23 32.8	1.744	2.709	5.1	21.5
2 1	7 4.36	+23 42.6	1.783	2.700	9.4	21.7
2 11	6 57.05	+23 46.6	1.846	2.690	13.2	21.9

20897 Deborahdomingue 1 10.9 140.°04 1.°3/11.5 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 52.69	+14 39.4	2.057	2.819	14.9	19.0
12 13	7 48.79	+15 19.5	1.967	2.821	11.9	18.8
12 23	7 42.47	+16 12.2	1.898	2.823	8.3	18.6
1 2	7 34.23	+17 15.2	1.856	2.824	4.3	18.4
1 12	7 24.93	+18 24.3	1.844	2.826	1.3	18.2
1 22	7 15.61	+19 34.8	1.861	2.827	4.7	18.4
2 1	7 7.35	+20 42.2	1.908	2.829	8.7	18.7
2 11	7 1.06	+21 43.3	1.981	2.830	12.2	18.9

304047 2006 DL_{194} 1 10.9 173.°59 0.°5/10.8 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 58.86	+22 18.7	2.094	2.858	14.6	22.1
12 13	7 53.58	+22 34.0	2.004	2.861	11.6	21.9
12 23	7 45.69	+22 53.9	1.936	2.864	7.9	21.7
1 2	7 35.76	+23 15.5	1.896	2.867	3.8	21.4
1 12	7 24.76	+23 35.2	1.885	2.868	0.8	21.2
1 22	7 13.85	+23 50.2	1.905	2.869	4.9	21.5
2 1	7 4.19	+23 59.4	1.954	2.869	8.9	21.7
2 11	6 56.72	+24 2.8	2.029	2.868	12.4	22.0

274373 2008 RU_{77} 1 10.9 153.°08 0.°1/10.9 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 53.37	+20 49.4	2.274	3.042	13.5	20.7
12 13	7 49.04	+20 58.2	2.184	3.044	10.7	20.5
12 23	7 42.46	+21 12.0	2.118	3.047	7.3	20.3
1 2	7 34.15	+21 28.6	2.078	3.049	3.5	20.0
1 12	7 24.96	+21 45.6	2.068	3.051	0.4	19.8
1 22	7 15.85	+22 0.7	2.087	3.053	4.3	20.1
2 1	7 7.80	+22 12.4	2.136	3.054	8.0	20.3
2 11	7 1.61	+22 20.2	2.211	3.056	11.3	20.5

110117 2001 SK_{138} 1 10.9 334.°65 1.°5/10.5 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 54.37	+24 34.3	1.678	2.469	16.6	19.6
12 13	7 50.84	+24 49.9	1.591	2.464	13.2	19.3
12 23	7 44.25	+25 9.8	1.525	2.460	9.1	19.1
1 2	7 35.20	+25 30.0	1.484	2.456	4.5	18.8
1 12	7 24.83	+25 46.1	1.470	2.452	1.7	18.6
1 22	7 14.52	+25 55.0	1.484	2.448	5.9	18.9
2 1	7 5.71	+25 55.4	1.525	2.445	10.4	19.1
2 11	6 59.50	+25 48.0	1.589	2.442	14.5	19.4

488761 2004 TD_{58} 1 10.9 89.°49 0.°5/11.1 16

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 59.53	+19 26.4	1.606	2.382	17.9	22.2
12 13	7 54.52	+19 36.7	1.541	2.405	14.1	22.0
12 23	7 46.46	+19 55.2	1.497	2.428	9.6	21.8
1 2	7 36.12	+20 18.9	1.479	2.450	4.7	21.6
1 12	7 24.74	+20 43.7	1.488	2.471	0.7	21.3
1 22	7 13.77	+21 6.3	1.526	2.492	5.5	21.7
2 1	7 4.52	+21 24.7	1.592	2.513	10.0	22.1
2 11	6 57.97	+21 38.2	1.682	2.533	13.9	22.3

122199 2000 LS_{20} 1 10.9 152.°95 3.°8/12.4 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 54.40	+ 9 17.0	2.660	3.384	12.8	21.0
12 13	7 49.31	+ 8 53.2	2.571	3.394	10.5	20.9
12 23	7 42.36	+ 8 38.8	2.504	3.404	7.8	20.7
1 2	7 34.03	+ 8 34.3	2.465	3.413	5.2	20.6
1 12	7 25.01	+ 8 39.6	2.456	3.421	3.8	20.5
1 22	7 16.09	+ 8 53.3	2.478	3.428	5.0	20.6
2 1	7 8.05	+ 9 14.0	2.530	3.435	7.5	20.7
2 11	7 1.54	+ 9 39.2	2.609	3.441	10.1	20.9

297100 2010 NR_3 1 10.9 184.°77 0.°7/10.7 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 57.89	+22 40.4	2.174	2.938	14.2	22.1
12 13	7 52.78	+22 57.1	2.081	2.938	11.2	21.9
12 23	7 45.14	+23 18.1	2.010	2.938	7.7	21.7
1 2	7 35.51	+23 40.5	1.967	2.937	3.7	21.5
1 12	7 24.82	+24 0.9	1.953	2.936	0.9	21.2
1 22	7 14.19	+24 16.5	1.970	2.933	4.8	21.5
2 1	7 4.73	+24 26.0	2.016	2.930	8.7	21.7
2 11	6 57.37	+24 29.5	2.089	2.927	12.1	22.0

519493 2012 DW_{103} 1 10.9 10.°06 0.°2/10.9 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 52.98	+21 36.0	1.419	2.221	18.6	21.4
12 13	7 50.05	+21 28.6	1.344	2.223	14.7	21.2
12 23	7 43.84	+21 27.4	1.288	2.225	10.1	20.9
1 2	7 35.02	+21 29.8	1.256	2.229	4.9	20.7
1 12	7 24.88	+21 32.9	1.250	2.233	0.6	20.3
1 22	7 14.97	+21 34.0	1.270	2.238	6.0	20.7
2 1	7 6.79	+21 32.0	1.316	2.244	11.0	21.0
2 11	7 1.46	+21 26.8	1.384	2.251	15.4	21.3

365161 2009 DU_{118} 1 10.9 244.°63 0.°6/11.1 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 55.67	+19 19.2	1.864	2.638	15.8	21.5
12 13	7 51.55	+19 27.2	1.765	2.627	12.7	21.3
12 23	7 44.62	+19 43.0	1.687	2.617	8.8	21.0
1 2	7 35.38	+20 4.3	1.635	2.606	4.4	20.7
1 12	7 24.83	+20 28.2	1.612	2.595	0.7	20.4
1 22	7 14.20	+20 51.3	1.617	2.583	5.3	20.7
2 1	7 4.80	+21 11.4	1.650	2.571	9.8	21.0
2 11	6 57.70	+21 27.3	1.709	2.559	13.7	21.2

455345 2002 RS_{59} 1 10.9 88.°65 2.°5/10.1 17

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	8 1.40	+26 52.2	1.918	2.688	15.6	21.6
12 13	7 55.57	+27 31.7	1.859	2.719	12.2	21.5
12 23	7 46.95	+28 12.8	1.822	2.750	8.3	21.3
1 2	7 36.29	+28 50.3	1.812	2.780	4.4	21.1
1 12	7 24.76	+29 19.1	1.832	2.810	2.7	21.0
1 22	7 13.67	+29 36.4	1.882	2.839	5.7	21.3
2 1	7 4.21	+29 41.9	1.960	2.867	9.3	21.6
2 11	6 57.25	+29 37.3	2.063	2.894	12.5	21.8

343513 2010 EF_{113} 1 10.9 147.°99 4.°2/ 8.9 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 54.87	+34 1.2	2.637	3.403	11.9	21.0
12 13	7 50.20	+34 51.3	2.554	3.407	9.5	20.8
12 23	7 43.26	+35 39.5	2.494	3.411	7.0	20.7
1 2	7 34.57	+36 20.9	2.462	3.415	4.8	20.5
1 12	7 24.97	+36 51.1	2.459	3.418	4.3	20.5
1 22	7 15.44	+37 7.4	2.486	3.421	6.0	20.6
2 1	7 6.97	+37 9.5	2.541	3.424	8.5	20.8
2 11	7 0.38	+36 59.1	2.622	3.427	10.9	21.0

457818 2009 RB_{58} 1 10.9 160.°85 5.°0/ 9.5 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	8 2.59	+37 17.9	2.426	3.180	13.1	21.8
12 13	7 56.39	+37 48.0	2.343	3.186	10.7	21.6
12 23	7 47.51	+38 12.6	2.283	3.192	8.0	21.5
1 2	7 36.60	+38 26.0	2.250	3.197	5.7	21.3
1 12	7 24.74	+38 24.0	2.247	3.201	5.0	21.3
1 22	7 13.14	+38 5.0	2.273	3.205	6.7	21.4
2 1	7 2.98	+37 30.1	2.329	3.209	9.3	21.6
2 11	6 55.15	+36 43.0	2.410	3.211	11.9	21.8

337547 2001 SJ_{250} 1 10.9 197.°24 5.°9/ 7.9 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 57.40	+40 29.0	2.777	3.529	11.7	21.1
12 13	7 52.36	+41 32.7	2.691	3.527	9.7	20.9
12 23	7 44.86	+42 31.5	2.629	3.525	7.7	20.8
1 2	7 35.40	+43 19.6	2.594	3.522	6.2	20.7
1 12	7 24.88	+43 51.9	2.588	3.519	6.0	20.7
1 22	7 14.37	+44 5.6	2.611	3.516	7.3	20.7
2 1	7 4.98	+44 0.8	2.662	3.512	9.3	20.9
2 11	6 57.61	+43 40.1	2.736	3.508	11.4	21.0

226175 2002 TP_{97} 1 10.9 191.°11 3.°2/11.5 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 58.59	+16 30.7	1.468	2.248	19.1	20.4
12 13	7 54.34	+15 50.2	1.385	2.248	15.4	20.1
12 23	7 46.74	+15 17.8	1.321	2.248	11.0	19.8
1 2	7 36.46	+14 53.8	1.281	2.247	6.2	19.6
1 12	7 24.75	+14 38.0	1.268	2.246	3.2	19.4
1 22	7 13.19	+14 29.3	1.282	2.246	6.7	19.6
2 1	7 3.33	+14 26.6	1.322	2.245	11.5	19.9
2 11	6 56.35	+14 28.5	1.385	2.244	15.9	20.1

376570 2013 PP_{13} 1 10.9 216.°54 3.°9/12.7 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 51.97	+ 8 28.9	2.207	2.947	14.7	21.1
12 13	7 48.02	+ 8 33.9	2.109	2.943	12.1	20.9
12 23	7 41.86	+ 8 52.8	2.033	2.939	9.0	20.7
1 2	7 33.94	+ 9 26.0	1.982	2.934	5.8	20.5
1 12	7 25.05	+10 11.9	1.959	2.929	3.9	20.4
1 22	7 16.12	+11 7.5	1.967	2.924	5.4	20.4
2 1	7 8.12	+12 9.0	2.003	2.919	8.6	20.6
2 11	7 1.88	+13 12.4	2.066	2.913	11.8	20.8

190183 2005 VX_{73} 1 10.9 104.°75 3.°1/11.9 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 59.15	+13 45.8	1.637	2.400	18.1	21.0
12 13	7 54.13	+13 34.2	1.568	2.421	14.5	20.8
12 23	7 46.18	+13 34.7	1.520	2.440	10.3	20.6
1 2	7 36.01	+13 46.7	1.496	2.459	5.9	20.4
1 12	7 24.82	+14 7.9	1.500	2.478	3.1	20.3
1 22	7 13.96	+14 35.2	1.532	2.496	5.9	20.5
2 1	7 4.71	+15 5.7	1.593	2.513	10.1	20.8
2 11	6 58.02	+15 36.5	1.678	2.530	13.9	21.0

148716 2001 TR_{40} 1 10.9 86.°68 0.°4/11.0 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 59.36	+21 49.0	1.962	2.728	15.4	19.5
12 13	7 53.78	+21 31.7	1.893	2.751	12.1	19.3
12 23	7 45.64	+21 17.7	1.846	2.774	8.3	19.1
1 2	7 35.65	+21 5.1	1.825	2.796	4.0	18.9
1 12	7 24.88	+20 52.4	1.835	2.818	0.6	18.7
1 22	7 14.51	+20 38.5	1.874	2.840	4.8	19.0
2 1	7 5.61	+20 23.3	1.943	2.861	8.7	19.3
2 11	6 59.00	+20 7.3	2.037	2.882	12.1	19.6

125511 2001 WY_{37} 1 10.9 249.°26 0.°9/11.2 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 55.93	+18 15.8	1.650	2.429	17.3	20.2
12 13	7 52.13	+18 24.8	1.556	2.421	13.9	20.0
12 23	7 45.23	+18 43.7	1.482	2.412	9.7	19.7
1 2	7 35.77	+19 10.4	1.432	2.403	4.9	19.4
1 12	7 24.84	+19 41.4	1.411	2.393	1.0	19.1
1 22	7 13.82	+20 12.8	1.417	2.384	5.7	19.4
2 1	7 4.18	+20 41.4	1.451	2.374	10.6	19.7
2 11	6 57.14	+21 5.6	1.508	2.364	14.9	19.9

214736 2006 TY_{38} 1 10.9 180.°98 2.°7/ 9.9 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 58.10	+28 1.2	2.269	3.036	13.6	21.2
12 13	7 52.98	+28 40.8	2.178	3.037	10.7	21.0
12 23	7 45.31	+29 22.3	2.111	3.038	7.5	20.8
1 2	7 35.63	+30 0.8	2.072	3.038	4.2	20.6
1 12	7 24.87	+30 31.8	2.062	3.037	2.8	20.5
1 22	7 14.15	+30 51.9	2.082	3.036	5.5	20.7
2 1	7 4.61	+31 0.2	2.132	3.034	8.9	20.9
2 11	6 57.19	+30 57.8	2.207	3.032	12.0	21.1

450026 2015 QL_{10} 1 10.9 113.°89 1.°3/10.6 17

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	8 1.21	+23 29.6	1.597	2.378	17.8	22.1
12 13	7 56.11	+23 53.8	1.527	2.394	14.0	21.9
12 23	7 47.74	+24 23.4	1.478	2.410	9.6	21.7
1 2	7 36.84	+24 53.7	1.453	2.425	4.7	21.4
1 12	7 24.74	+25 19.5	1.457	2.439	1.5	21.3
1 22	7 12.97	+25 37.0	1.490	2.453	6.0	21.6
2 1	7 3.00	+25 45.2	1.550	2.467	10.6	21.9
2 11	6 55.90	+25 45.0	1.633	2.480	14.5	22.2

62444 2000 SO_{206} 1 10.9 171.°95 1.°2/10.5 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 55.52	+24 7.2	2.396	3.161	13.0	20.5
12 13	7 50.70	+24 33.5	2.306	3.164	10.2	20.3
12 23	7 43.60	+25 3.2	2.238	3.167	7.0	20.1
1 2	7 34.75	+25 33.1	2.198	3.169	3.5	19.8
1 12	7 24.98	+25 59.8	2.189	3.170	1.4	19.7
1 22	7 15.27	+26 20.5	2.210	3.171	4.6	19.9
2 1	7 6.60	+26 34.0	2.261	3.172	8.0	20.1
2 11	6 59.81	+26 40.3	2.338	3.172	11.1	20.3

137187 1999 JC_{74} 1 10.9 220.°19 3.°4/12.5 17

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 49.92	+ 9 0.9	2.937	3.664	11.6	20.7
12 13	7 45.81	+ 8 49.6	2.831	3.656	9.6	20.5
12 23	7 40.03	+ 8 47.5	2.748	3.648	7.2	20.3
1 2	7 32.97	+ 8 55.1	2.692	3.640	4.8	20.2
1 12	7 25.20	+ 9 11.8	2.665	3.631	3.4	20.1
1 22	7 17.41	+ 9 36.4	2.669	3.622	4.6	20.1
2 1	7 10.29	+10 7.1	2.703	3.612	7.0	20.3
2 11	7 4.46	+10 41.6	2.765	3.602	9.5	20.4

380241 2001 UW_{11} 1 10.9 52.°41 3.°2/ 9.7 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 58.56	+28 6.8	1.991	2.766	14.9	20.3
12 13	7 53.21	+29 5.0	1.946	2.808	11.6	20.2
12 23	7 45.26	+30 3.5	1.923	2.851	8.0	20.1
1 2	7 35.47	+30 56.8	1.928	2.893	4.5	19.9
1 12	7 24.93	+31 39.4	1.962	2.935	3.3	19.9
1 22	7 14.86	+32 8.5	2.026	2.977	5.8	20.2
2 1	7 6.34	+32 23.6	2.118	3.019	9.0	20.4
2 11	7 0.16	+32 26.6	2.235	3.060	11.9	20.7

413983 2007 EA_{28} 1 10.9 69.°41 0.°8/10.7 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 56.02	+23 41.9	1.828	2.609	15.8	21.4
12 13	7 51.68	+23 47.6	1.749	2.616	12.5	21.1
12 23	7 44.55	+23 56.9	1.692	2.624	8.5	20.9
1 2	7 35.27	+24 6.7	1.660	2.631	4.1	20.7
1 12	7 24.94	+24 13.6	1.656	2.639	1.0	20.5
1 22	7 14.82	+24 15.4	1.681	2.646	5.3	20.8
2 1	7 6.16	+24 11.3	1.735	2.654	9.5	21.0
2 11	6 59.89	+24 2.2	1.812	2.662	13.1	21.3

414844 2010 VY_{30} 1 10.9 117.°77 3.°6/12.3 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 55.20	+10 58.1	2.102	2.846	15.2	21.8
12 13	7 50.43	+10 42.5	2.023	2.861	12.3	21.6
12 23	7 43.38	+10 38.2	1.966	2.876	9.0	21.5
1 2	7 34.62	+10 45.3	1.936	2.891	5.6	21.3
1 12	7 25.03	+11 2.7	1.934	2.905	3.7	21.2
1 22	7 15.62	+11 28.4	1.961	2.919	5.4	21.3
2 1	7 7.36	+11 59.7	2.018	2.932	8.6	21.6
2 11	7 1.05	+12 33.7	2.100	2.945	11.8	21.8

404635 2014 HL_{13} 1 10.9 251.°81 0.°7/11.3 17

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 47.68	+18 15.6	3.517	4.268	9.5	21.8
12 13	7 43.85	+18 23.1	3.406	4.256	7.5	21.6
12 23	7 38.60	+18 35.0	3.321	4.244	5.2	21.5
1 2	7 32.25	+18 50.2	3.263	4.232	2.6	21.3
1 12	7 25.32	+19 7.5	3.237	4.219	0.7	21.1
1 22	7 18.36	+19 25.3	3.242	4.206	3.0	21.3
2 1	7 11.96	+19 42.6	3.277	4.193	5.6	21.4
2 11	7 6.64	+19 58.4	3.341	4.180	7.9	21.6

505773 2015 BN_{260} 1 10.9 287.°57 0.°8/10.7 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 54.07	+24 28.4	2.263	3.034	13.4	20.9
12 13	7 49.70	+24 28.4	2.169	3.031	10.6	20.7
12 23	7 42.99	+24 30.4	2.098	3.028	7.3	20.4
1 2	7 34.49	+24 31.9	2.054	3.025	3.6	20.2
1 12	7 25.06	+24 30.4	2.039	3.022	1.0	20.0
1 22	7 15.72	+24 24.5	2.054	3.018	4.6	20.3
2 1	7 7.48	+24 13.7	2.099	3.015	8.2	20.5
2 11	7 1.18	+23 58.6	2.169	3.012	11.5	20.7

218284 2003 GS_{37} 1 10.9 86.°45 3.°5/ 9.7 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 56.18	+28 59.1	1.922	2.704	15.1	20.1
12 13	7 51.94	+29 44.8	1.842	2.708	12.0	19.9
12 23	7 44.84	+30 32.1	1.784	2.713	8.4	19.7
1 2	7 35.48	+31 15.4	1.753	2.718	4.9	19.5
1 12	7 24.95	+31 49.0	1.749	2.723	3.6	19.4
1 22	7 14.54	+32 9.3	1.775	2.728	6.4	19.6
2 1	7 5.56	+32 15.3	1.828	2.733	10.0	19.8
2 11	6 59.01	+32 8.6	1.905	2.737	13.3	20.1

165477 2001 AP_{44} 1 10.9 297.°58 0.°4/10.8 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 53.91	+20 51.0	1.596	2.387	17.4	19.8
12 13	7 50.76	+21 14.5	1.502	2.374	13.9	19.6
12 23	7 44.45	+21 47.2	1.427	2.362	9.6	19.3
1 2	7 35.47	+22 25.9	1.377	2.349	4.7	19.0
1 12	7 24.93	+23 5.6	1.354	2.337	0.8	18.6
1 22	7 14.26	+23 41.7	1.359	2.325	6.0	19.0
2 1	7 4.99	+24 10.7	1.390	2.313	11.0	19.2
2 11	6 58.38	+24 31.5	1.444	2.302	15.4	19.5

489264 2006 RD_{121} 1 10.9 57.°33 8.°0/ 8.6 17

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	8 1.33	+37 44.3	1.556	2.343	17.9	21.3
12 13	7 56.92	+39 8.7	1.502	2.362	14.6	21.2
12 23	7 48.68	+40 27.4	1.468	2.382	11.2	21.0
1 2	7 37.42	+41 30.0	1.458	2.401	8.6	20.9
1 12	7 24.74	+42 7.5	1.475	2.421	8.1	20.9
1 22	7 12.53	+42 16.2	1.517	2.441	10.1	21.1
2 1	7 2.55	+41 58.3	1.584	2.461	13.1	21.3
2 11	6 55.99	+41 19.9	1.673	2.481	16.0	21.6

79087 Scheidt 1 10.9 73.°29 2.°7/11.5 18 R

12 3	7 59.60	+17 16.5	1.700	2.468	17.4	18.3
12 13	7 54.28	+16 30.5	1.633	2.489	13.8	18.1
12 23	7 46.15	+15 51.0	1.587	2.511	9.7	17.9
1 2	7 35.97	+15 18.3	1.567	2.532	5.4	17.7
1 12	7 24.92	+14 52.2	1.575	2.554	2.7	17.6
1 22	7 14.32	+14 32.4	1.612	2.575	5.7	17.8
2 1	7 5.35	+14 18.3	1.677	2.596	9.8	18.1
2 11	6 58.88	+14 9.0	1.767	2.617	13.4	18.4

450296 2004 PE_{40} 1 10.9 106.°39 3.°1/12.1 18

12 3	7 58.72	+12 0.9	1.817	2.568	17.0	22.0
12 13	7 53.48	+12 4.1	1.748	2.592	13.7	21.9
12 23	7 45.60	+12 20.5	1.701	2.616	9.8	21.7
1 2	7 35.73	+12 49.0	1.678	2.639	5.7	21.5
1 12	7 24.95	+13 27.0	1.685	2.661	3.1	21.4
1 22	7 14.46	+14 10.8	1.721	2.683	5.5	21.6
2 1	7 5.41	+14 56.7	1.785	2.703	9.3	21.8
2 11	6 58.67	+15 41.6	1.875	2.723	12.8	22.1

452489 2004 FN_{38} 1 10.9 265.°08 9.°0/ 8.3 18

12 3	8 5.29	+44 27.9	1.943	2.700	15.9	20.9
12 13	8 0.05	+45 28.9	1.854	2.687	13.5	20.7
12 23	7 50.95	+46 21.1	1.786	2.673	11.1	20.5
1 2	7 38.65	+46 54.6	1.742	2.660	9.4	20.3
1 12	7 24.59	+47 1.0	1.724	2.646	9.1	20.3
1 22	7 10.67	+46 36.7	1.732	2.633	10.6	20.4
2 1	6 58.76	+45 43.6	1.766	2.619	13.2	20.5
2 11	6 50.22	+44 28.6	1.822	2.605	15.8	20.6

406718 2008 GT_{14} 1 10.9 358.°11 4.°8/ 9.5 18

12 3	7 55.75	+30 54.4	1.579	2.376	17.2	21.4
12 13	7 52.39	+31 43.4	1.501	2.375	13.8	21.2
12 23	7 45.58	+32 33.2	1.443	2.374	9.9	20.9
1 2	7 35.99	+33 16.7	1.409	2.373	6.1	20.7
1 12	7 24.91	+33 46.5	1.402	2.373	5.0	20.6
1 22	7 13.96	+33 58.2	1.422	2.373	7.9	20.8
2 1	7 4.76	+33 51.4	1.467	2.374	11.8	21.0
2 11	6 58.54	+33 29.2	1.535	2.375	15.6	21.3

441600 2008 UC_{201} 1 10.9 106.°92 0.°7/11.1 18

12 3	8 2.36	+19 50.4	1.801	2.564	16.7	21.9
12 13	7 56.38	+19 48.8	1.735	2.591	13.2	21.7
12 23	7 47.57	+19 53.5	1.689	2.616	9.0	21.5
1 2	7 36.68	+20 2.0	1.671	2.640	4.4	21.3
1 12	7 24.89	+20 11.2	1.681	2.664	0.8	21.1
1 22	7 13.53	+20 19.0	1.722	2.687	5.1	21.5
2 1	7 3.80	+20 24.2	1.791	2.709	9.3	21.7
2 11	6 56.59	+20 26.8	1.886	2.730	12.9	22.0

260538 2005 ED_{152} 1 10.9 233.°78 0.°1/10.9 18

12 3	7 56.01	+20 38.4	2.007	2.777	15.0	22.2
12 13	7 51.68	+20 56.5	1.906	2.767	11.9	21.9
12 23	7 44.66	+21 21.6	1.827	2.756	8.2	21.7
1 2	7 35.46	+21 50.9	1.774	2.745	4.0	21.4
1 12	7 25.01	+22 20.8	1.751	2.734	0.5	21.1
1 22	7 14.47	+22 48.0	1.757	2.722	5.0	21.4
2 1	7 5.06	+23 10.1	1.792	2.710	9.3	21.6
2 11	6 57.83	+23 26.3	1.852	2.697	13.1	21.9

221343 2005 WT_{58} 1 10.9 10.°98 0.°8/11.3 18

12 3	7 50.93	+17 11.7	1.622	2.410	17.2	19.9
12 13	7 48.08	+17 39.1	1.542	2.412	13.7	19.6
12 23	7 42.37	+18 18.6	1.482	2.415	9.5	19.4
1 2	7 34.37	+19 7.6	1.447	2.418	4.8	19.1
1 12	7 25.14	+20 1.6	1.439	2.422	0.9	18.9
1 22	7 15.98	+20 55.5	1.458	2.426	5.4	19.2
2 1	7 8.19	+21 45.0	1.505	2.431	10.0	19.5
2 11	7 2.85	+22 27.5	1.575	2.437	14.1	19.7

347323 2011 SM_{39} 1 10.9 119.°07 3.°5/12.5 18

12 3	7 49.79	+ 9 26.2	2.814	3.546	12.0	21.3
12 13	7 45.70	+ 9 6.2	2.725	3.554	9.8	21.2
12 23	7 39.94	+ 8 55.1	2.659	3.561	7.3	21.0
1 2	7 32.94	+ 8 53.5	2.620	3.568	4.9	20.9
1 12	7 25.33	+ 9 1.0	2.610	3.575	3.5	20.8
1 22	7 17.80	+ 9 16.5	2.630	3.582	4.6	20.9
2 1	7 11.03	+ 9 38.4	2.680	3.589	7.0	21.0
2 11	7 5.61	+10 4.4	2.757	3.596	9.5	21.2

202070 2004 SG_{11} 1 10.9 174.°69 1.°3/10.5 18

	h m	° ′			°	m
12 3	7 58.78	+22 25.8	1.901	2.672	15.7	21.0
12 13	7 53.96	+23 7.6	1.813	2.674	12.4	20.8
12 23	7 46.26	+23 56.7	1.747	2.677	8.5	20.5
1 2	7 36.24	+24 48.4	1.707	2.678	4.2	20.3
1 12	7 24.94	+25 37.5	1.697	2.679	1.5	20.1
1 22	7 13.66	+26 19.2	1.717	2.680	5.5	20.4
2 1	7 3.72	+26 50.9	1.766	2.679	9.7	20.6
2 11	6 56.18	+27 12.3	1.839	2.678	13.4	20.8

428712 2008 RB_{26} 1 10.9 55.°95 5.°1/12.3 18

12 3	7 54.83	+10 6.0	1.875	2.626	16.6	20.8
12 13	7 50.30	+ 9 10.0	1.808	2.647	13.5	20.7
12 23	7 43.35	+ 8 25.2	1.762	2.668	10.1	20.5
1 2	7 34.65	+ 7 53.8	1.741	2.690	6.8	20.4
1 12	7 25.17	+ 7 36.3	1.748	2.712	5.1	20.3
1 22	7 15.99	+ 7 32.3	1.783	2.734	6.6	20.4
2 1	7 8.15	+ 7 39.7	1.845	2.756	9.6	20.7
2 11	7 2.41	+ 7 55.5	1.933	2.778	12.6	20.9

378424 2007 RK_{212} 1 10.9 32.°78 1.°6/10.5 18

12 3	7 53.71	+25 43.5	1.840	2.627	15.5	20.6
12 13	7 49.84	+25 54.5	1.770	2.641	12.2	20.4
12 23	7 43.27	+26 7.7	1.721	2.655	8.3	20.2
1 2	7 34.68	+26 19.4	1.698	2.669	4.2	20.0
1 12	7 25.16	+26 26.1	1.703	2.684	1.8	19.8
1 22	7 15.92	+26 25.9	1.736	2.699	5.3	20.1
2 1	7 8.14	+26 18.2	1.797	2.715	9.2	20.4
2 11	7 2.68	+26 4.2	1.882	2.732	12.7	20.6

59159 1998 YX_7 1 10.9 34.°70 0.°1/11.0 18

12 3	7 54.38	+18 0.8	1.345	2.143	19.6	19.1
12 13	7 51.43	+18 39.6	1.272	2.148	15.6	18.8
12 23	7 45.02	+19 32.9	1.218	2.153	10.8	18.6
1 2	7 35.78	+20 36.4	1.187	2.159	5.3	18.3
1 12	7 25.02	+21 43.7	1.182	2.165	0.6	18.0
1 22	7 14.37	+22 47.5	1.204	2.172	6.3	18.4
2 1	7 5.48	+23 42.7	1.252	2.179	11.6	18.7
2 11	6 59.61	+24 26.9	1.322	2.186	16.1	19.0

271284 2003 UP_{240} 1 10.9 101.°41 0.°3/10.9 18

12 3	7 54.83	+22 23.3	2.288	3.055	13.5	20.6
12 13	7 50.12	+22 29.2	2.209	3.068	10.6	20.4
12 23	7 43.18	+22 38.6	2.152	3.081	7.2	20.2
1 2	7 34.57	+22 49.3	2.122	3.093	3.5	20.0
1 12	7 25.18	+22 58.7	2.123	3.106	0.5	19.8
1 22	7 15.98	+23 5.0	2.153	3.118	4.3	20.1
2 1	7 7.91	+23 7.3	2.213	3.130	7.9	20.4
2 11	7 1.74	+23 5.7	2.299	3.142	11.0	20.6

168247 2006 KA_{102} 1 10.9 141.°71 2.°7/12.3 18

12 3	7 51.26	+11 29.3	2.587	3.328	12.7	21.0
12 13	7 47.06	+11 33.1	2.497	3.334	10.3	20.9
12 23	7 40.99	+11 46.7	2.430	3.341	7.5	20.7
1 2	7 33.51	+12 9.7	2.390	3.347	4.5	20.5
1 12	7 25.30	+12 40.6	2.379	3.353	2.7	20.4
1 22	7 17.15	+13 17.2	2.399	3.359	4.4	20.5
2 1	7 9.85	+13 57.0	2.449	3.365	7.2	20.7
2 11	7 4.05	+14 37.5	2.525	3.370	10.0	20.9

266673 2008 YY_{170} 1 10.9 39.°26 1.°3/11.3 18

12 3	7 53.77	+19 12.8	2.231	2.996	13.8	20.3
12 13	7 49.34	+18 46.6	2.142	2.999	11.0	20.1
12 23	7 42.69	+18 24.5	2.077	3.003	7.6	19.9
1 2	7 34.36	+18 5.9	2.038	3.006	4.0	19.7
1 12	7 25.21	+17 49.9	2.028	3.010	1.4	19.5
1 22	7 16.21	+17 35.9	2.049	3.014	4.4	19.7
2 1	7 8.30	+17 23.3	2.099	3.018	8.1	20.0
2 11	7 2.27	+17 12.0	2.174	3.022	11.3	20.2

284143 2005 WV_{43} 1 10.9 173.°59 3.°1/11.7 18

12 3	7 57.08	+15 28.0	1.532	2.309	18.6	21.0
12 13	7 53.05	+15 0.8	1.449	2.310	15.0	20.8
12 23	7 45.85	+14 43.6	1.385	2.310	10.7	20.5
1 2	7 36.10	+14 36.4	1.345	2.310	6.1	20.2
1 12	7 25.01	+14 38.1	1.332	2.311	3.1	20.1
1 22	7 14.02	+14 46.9	1.346	2.311	6.4	20.3
2 1	7 4.60	+15 0.4	1.387	2.311	11.0	20.5
2 11	6 57.90	+15 16.6	1.452	2.311	15.2	20.8

104436 2000 FG_{68} 1 10.9 48.°04 5.°2/ 9.3 18

12 3	7 56.70	+34 12.3	1.924	2.705	15.1	19.3
12 13	7 52.39	+35 4.0	1.858	2.720	12.1	19.1
12 23	7 45.13	+35 52.8	1.814	2.735	8.9	19.0
1 2	7 35.64	+36 31.9	1.795	2.750	6.1	18.8
1 12	7 25.08	+36 55.8	1.805	2.766	5.3	18.8
1 22	7 14.81	+37 1.5	1.842	2.782	7.4	19.0
2 1	7 6.14	+36 49.7	1.906	2.798	10.4	19.2
2 11	7 0.02	+36 23.5	1.994	2.814	13.3	19.4

217891 2001 RN_{118} 1 10.9 123.°95 0.°6/11.3 17

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 47.77	+18 23.7	3.819	4.566	8.8	21.4
12 13	7 43.71	+18 32.9	3.731	4.579	6.9	21.3
12 23	7 38.39	+18 45.9	3.669	4.591	4.8	21.1
1 2	7 32.16	+19 1.6	3.635	4.604	2.4	21.0
1 12	7 25.48	+19 18.8	3.633	4.615	0.6	20.8
1 22	7 18.87	+19 36.2	3.663	4.627	2.7	21.0
2 1	7 12.84	+19 52.7	3.723	4.639	5.0	21.2
2 11	7 7.82	+20 7.7	3.812	4.650	7.1	21.4

1077 Campanula 1 10.9 84.°41 3.°0/10.3 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	8 2.12	+28 3.2	1.590	2.374	17.7	16.1
12 13	7 56.85	+28 30.5	1.528	2.396	14.0	15.9
12 23	7 48.24	+28 58.7	1.487	2.418	9.6	15.7
1 2	7 37.13	+29 21.9	1.471	2.439	5.2	15.5
1 12	7 24.92	+29 34.7	1.483	2.460	3.1	15.4
1 22	7 13.20	+29 34.4	1.523	2.481	6.6	15.7
2 1	7 3.45	+29 21.6	1.590	2.502	10.7	16.0
2 11	6 56.67	+28 59.2	1.681	2.522	14.4	16.2

354916 2006 DJ_{43} 1 10.9 52.°85 3.°7/10.1 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 59.28	+29 7.4	1.463	2.259	18.4	21.5
12 13	7 55.25	+29 36.5	1.390	2.264	14.7	21.3
12 23	7 47.57	+30 6.5	1.336	2.269	10.3	21.1
1 2	7 36.98	+30 31.0	1.306	2.274	5.8	20.8
1 12	7 24.93	+30 43.5	1.302	2.279	3.9	20.7
1 22	7 13.15	+30 40.5	1.326	2.284	7.4	20.9
2 1	7 3.36	+30 22.4	1.375	2.290	11.9	21.2
2 11	6 56.76	+29 52.7	1.447	2.295	15.9	21.5

284086 2005 LA_1 1 10.9 249.°45 8.°2/13.3 17

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 51.54	− 3 28.5	2.698	3.368	13.8	21.4
12 13	7 47.30	− 4 43.5	2.594	3.356	12.1	21.2
12 23	7 41.21	− 5 45.6	2.511	3.343	10.4	21.1
1 2	7 33.67	− 6 31.0	2.453	3.330	8.9	21.0
1 12	7 25.31	− 6 56.9	2.421	3.317	8.2	20.9
1 22	7 16.87	− 7 2.3	2.417	3.304	8.6	20.9
2 1	7 9.14	− 6 48.3	2.439	3.291	10.0	21.0
2 11	7 2.81	− 6 18.1	2.486	3.277	11.9	21.1

428401 2007 TZ_{14} 1 10.9 47.°04 4.°7/ 9.2 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 55.11	+33 0.2	2.064	2.844	14.3	20.6
12 13	7 50.97	+33 56.2	1.994	2.857	11.4	20.4
12 23	7 44.11	+34 50.5	1.947	2.869	8.3	20.2
1 2	7 35.15	+35 37.1	1.925	2.882	5.5	20.1
1 12	7 25.15	+36 10.4	1.932	2.895	4.9	20.1
1 22	7 15.36	+36 27.3	1.967	2.908	6.9	20.2
2 1	7 6.96	+36 27.6	2.030	2.922	9.9	20.4
2 11	7 0.89	+36 13.7	2.116	2.935	12.7	20.6

82348 2001 LB_{19} 1 10.9 65.°20 2.°2/11.4 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 58.66	+17 58.7	1.669	2.442	17.4	18.6
12 13	7 53.65	+17 22.1	1.604	2.464	13.9	18.4
12 23	7 45.81	+16 52.0	1.560	2.486	9.7	18.2
1 2	7 35.89	+16 28.3	1.541	2.508	5.2	18.0
1 12	7 25.09	+16 10.1	1.550	2.530	2.2	17.8
1 22	7 14.74	+15 56.7	1.588	2.552	5.5	18.1
2 1	7 6.03	+15 47.2	1.653	2.575	9.7	18.4
2 11	6 59.83	+15 40.8	1.743	2.597	13.4	18.7

103051 1999 XD_{130} 1 10.9 32.°75 0.°8/10.9 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 59.63	+24 37.1	1.309	2.110	20.0	19.7
12 13	7 55.71	+24 23.3	1.235	2.113	15.9	19.4
12 23	7 47.98	+24 12.0	1.179	2.116	10.9	19.2
1 2	7 37.22	+23 59.9	1.147	2.119	5.4	18.9
1 12	7 24.93	+23 43.3	1.140	2.123	1.1	18.6
1 22	7 12.96	+23 20.7	1.160	2.127	6.6	19.0
2 1	7 3.10	+22 52.8	1.205	2.132	12.0	19.3
2 11	6 56.59	+22 22.1	1.273	2.136	16.7	19.6

142318 2002 RQ_{166} 1 10.9 54.°60 1.°8/10.6 17

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	8 0.09	+24 57.0	1.428	2.221	18.9	20.2
12 13	7 55.34	+25 15.1	1.377	2.250	14.8	20.0
12 23	7 47.20	+25 36.9	1.346	2.280	10.1	19.8
1 2	7 36.60	+25 57.1	1.339	2.310	5.0	19.6
1 12	7 25.02	+26 11.0	1.359	2.340	1.9	19.4
1 22	7 14.07	+26 15.8	1.406	2.370	6.2	19.8
2 1	7 5.19	+26 11.4	1.480	2.400	10.7	20.1
2 11	6 59.33	+25 59.5	1.577	2.430	14.5	20.4

256353 2006 XG_{54} 1 10.9 316.°71 6.°1/ 7.8 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 53.86	+29 8.1	1.589	2.388	17.0	19.1
12 13	7 51.39	+31 2.3	1.493	2.369	13.7	18.8
12 23	7 45.41	+33 7.1	1.420	2.350	10.0	18.6
1 2	7 36.26	+35 12.6	1.372	2.332	6.8	18.3
1 12	7 25.00	+37 6.9	1.351	2.314	6.5	18.3
1 22	7 13.22	+38 39.4	1.358	2.297	9.6	18.4
2 1	7 2.81	+39 44.4	1.390	2.280	13.6	18.6
2 11	6 55.41	+40 22.5	1.444	2.264	17.4	18.8

252241 2001 PD_{65} 1 10.9 112.°18 2.°8/10.1 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 58.42	+28 3.2	1.978	2.753	15.0	20.5
12 13	7 53.50	+28 37.9	1.903	2.766	11.8	20.3
12 23	7 45.79	+29 13.9	1.850	2.779	8.2	20.1
1 2	7 35.96	+29 46.2	1.824	2.791	4.5	19.9
1 12	7 25.09	+30 9.9	1.826	2.802	3.0	19.8
1 22	7 14.44	+30 22.2	1.858	2.814	5.8	20.1
2 1	7 5.25	+30 22.3	1.918	2.825	9.5	20.3
2 11	6 58.44	+30 12.2	2.003	2.836	12.7	20.5

252281 2001 QF_{254} 1 10.9 206.°37 5.°6/ 8.8 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	8 1.85	+37 27.2	2.373	3.130	13.3	21.0
12 13	7 56.24	+38 20.6	2.280	3.124	10.9	20.8
12 23	7 47.77	+39 10.2	2.211	3.118	8.3	20.7
1 2	7 37.00	+39 49.4	2.168	3.110	6.2	20.5
1 12	7 24.98	+40 12.4	2.154	3.103	5.8	20.5
1 22	7 12.97	+40 16.0	2.170	3.094	7.5	20.6
2 1	7 2.30	+40 0.3	2.214	3.085	10.1	20.7
2 11	6 54.00	+39 28.7	2.282	3.076	12.7	20.9

138772 2000 SH_{317} 1 10.9 181.°37 3.°4/12.4 17

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 50.98	+ 9 32.6	3.119	3.842	11.1	20.8
12 13	7 46.50	+ 9 6.3	3.020	3.843	9.1	20.6
12 23	7 40.45	+ 8 47.6	2.944	3.843	6.8	20.5
1 2	7 33.24	+ 8 37.2	2.896	3.843	4.6	20.3
1 12	7 25.43	+ 8 34.9	2.878	3.842	3.4	20.2
1 22	7 17.65	+ 8 40.2	2.892	3.841	4.4	20.3
2 1	7 10.55	+ 8 51.9	2.935	3.840	6.6	20.5
2 11	7 4.68	+ 9 8.3	3.005	3.838	8.9	20.6

27543 2000 JC_{13} 1 10.9 68.°52 3.°5/ 9.5 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 55.54	+29 42.5	2.163	2.939	13.9	18.3
12 13	7 51.03	+30 35.5	2.096	2.959	10.9	18.1
12 23	7 44.00	+31 29.0	2.052	2.978	7.7	18.0
1 2	7 35.07	+32 17.6	2.035	2.998	4.6	17.8
1 12	7 25.23	+32 56.1	2.047	3.017	3.6	17.8
1 22	7 15.60	+33 21.6	2.088	3.037	5.9	18.0
2 1	7 7.28	+33 33.2	2.158	3.056	9.0	18.2
2 11	7 1.11	+33 32.5	2.252	3.076	11.8	18.4

301240 2009 BE_{43} 1 10.9 56.°94 2.°7/10.5 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	8 0.04	+27 32.1	1.408	2.204	19.0	20.5
12 13	7 55.66	+27 46.3	1.345	2.220	15.0	20.3
12 23	7 47.68	+28 1.5	1.303	2.237	10.3	20.1
1 2	7 36.96	+28 12.5	1.284	2.254	5.4	19.8
1 12	7 25.02	+28 14.0	1.291	2.271	2.8	19.7
1 22	7 13.59	+28 3.6	1.326	2.288	6.8	20.0
2 1	7 4.26	+27 42.3	1.386	2.305	11.4	20.3
2 11	6 58.10	+27 13.1	1.470	2.323	15.4	20.6

148821 2001 UV_{130} 1 10.9 108.°75 0.°3/10.9 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 55.31	+20 58.3	1.953	2.727	15.2	20.9
12 13	7 51.00	+21 20.1	1.872	2.735	12.0	20.7
12 23	7 44.09	+21 48.5	1.813	2.743	8.2	20.5
1 2	7 35.17	+22 20.4	1.780	2.752	4.0	20.2
1 12	7 25.21	+22 52.0	1.776	2.759	0.6	20.0
1 22	7 15.39	+23 19.8	1.802	2.767	4.9	20.3
2 1	7 6.85	+23 41.9	1.856	2.775	9.0	20.6
2 11	7 0.50	+23 57.7	1.935	2.782	12.5	20.8

72052 2000 YW_7 1 10.9 105.°82 4.°3/ 9.8 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	8 0.64	+30 42.8	1.716	2.499	16.7	19.5
12 13	7 55.79	+31 26.6	1.645	2.510	13.3	19.3
12 23	7 47.66	+32 10.3	1.594	2.521	9.4	19.0
1 2	7 36.97	+32 47.1	1.569	2.532	5.7	18.9
1 12	7 25.02	+33 10.5	1.572	2.543	4.4	18.8
1 22	7 13.35	+33 17.2	1.602	2.553	7.2	19.0
2 1	7 3.46	+33 7.4	1.660	2.564	10.9	19.2
2 11	6 56.44	+32 44.3	1.742	2.574	14.4	19.5

234158 2000 HQ_4 1 10.9 297.°40 2.°2/10.3 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 55.44	+23 54.5	1.414	2.215	18.7	21.0
12 13	7 52.58	+24 33.9	1.324	2.203	14.9	20.8
12 23	7 46.10	+25 22.2	1.253	2.190	10.4	20.5
1 2	7 36.51	+26 13.8	1.206	2.178	5.3	20.1
1 12	7 25.04	+27 1.8	1.184	2.165	2.4	19.9
1 22	7 13.40	+27 39.6	1.189	2.153	7.1	20.2
2 1	7 3.41	+28 3.8	1.220	2.141	12.4	20.4
2 11	6 56.54	+28 14.7	1.272	2.130	17.1	20.7

381646 2008 YR_{143} 1 10.9 333.°68 1.°9/11.9 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 49.67	+13 28.0	2.071	2.836	14.7	20.5
12 13	7 46.53	+13 57.9	1.974	2.828	11.9	20.3
12 23	7 41.07	+14 41.0	1.898	2.821	8.4	20.0
1 2	7 33.75	+15 35.8	1.849	2.815	4.6	19.8
1 12	7 25.37	+16 38.9	1.828	2.808	1.9	19.6
1 22	7 16.91	+17 46.1	1.836	2.802	4.7	19.8
2 1	7 9.41	+18 53.0	1.873	2.797	8.6	20.0
2 11	7 3.78	+19 55.8	1.936	2.792	12.1	20.2

144648 2004 FH_{105} 1 10.9 198.°28 8.°1/14.4 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 50.46	− 8 5.4	3.146	3.779	12.6	20.7
12 13	7 46.14	− 9 11.6	3.051	3.776	11.3	20.6
12 23	7 40.25	−10 4.0	2.976	3.772	9.9	20.5
1 2	7 33.17	−10 39.2	2.925	3.768	8.7	20.4
1 12	7 25.45	−10 55.0	2.899	3.764	8.1	20.4
1 22	7 17.70	−10 51.1	2.901	3.760	8.3	20.4
2 1	7 10.58	−10 28.7	2.929	3.755	9.3	20.4
2 11	7 4.66	− 9 51.0	2.981	3.750	10.6	20.5

116821 2004 FF_{12} 1 11.0 262.°39 3.°8/11.9 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 54.32	+12 47.2	1.921	2.679	16.0	20.4
12 13	7 50.34	+12 14.6	1.821	2.668	13.0	20.2
12 23	7 43.76	+11 51.3	1.742	2.657	9.6	20.0
1 2	7 35.08	+11 38.4	1.688	2.646	5.9	19.7
1 12	7 25.23	+11 35.7	1.662	2.635	3.8	19.6
1 22	7 15.32	+11 42.3	1.664	2.624	6.0	19.7
2 1	7 6.52	+11 56.4	1.695	2.612	9.8	19.9
2 11	6 59.83	+12 15.5	1.750	2.601	13.5	20.1

486051 2012 TJ_{181} 1 11.0 314.°66 0.°3/10.9 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 57.64	+22 35.8	1.318	2.119	19.8	21.7
12 13	7 54.29	+22 30.5	1.236	2.114	15.8	21.4
12 23	7 47.18	+22 30.9	1.172	2.109	11.0	21.2
1 2	7 36.96	+22 33.9	1.131	2.104	5.4	20.8
1 12	7 25.02	+22 35.4	1.116	2.100	0.7	20.5
1 22	7 13.17	+22 32.5	1.128	2.095	6.7	20.9
2 1	7 3.23	+22 24.3	1.164	2.091	12.2	21.2
2 11	6 56.57	+22 11.8	1.222	2.088	17.1	21.4

203083 2000 QT_{95} 1 11.0 79.°03 2.°5/10.4 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	8 0.35	+26 38.1	1.523	2.312	18.1	20.6
12 13	7 55.69	+26 59.7	1.456	2.328	14.3	20.4
12 23	7 47.62	+27 23.7	1.410	2.343	9.8	20.1
1 2	7 36.94	+27 44.6	1.389	2.359	5.1	19.9
1 12	7 25.04	+27 57.3	1.394	2.374	2.6	19.8
1 22	7 13.56	+27 58.7	1.428	2.390	6.5	20.1
2 1	7 4.01	+27 48.8	1.488	2.405	10.9	20.4
2 11	6 57.45	+27 30.1	1.572	2.420	14.8	20.6

303247 2004 QE_{10} 1 11.0 80.°68 1.°7/10.4 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 58.25	+22 28.3	1.494	2.283	18.4	20.5
12 13	7 54.13	+23 19.0	1.427	2.299	14.5	20.3
12 23	7 46.65	+24 18.3	1.380	2.314	9.9	20.1
1 2	7 36.53	+25 20.3	1.358	2.330	4.9	19.8
1 12	7 25.08	+26 17.8	1.364	2.345	2.0	19.7
1 22	7 13.90	+27 5.0	1.397	2.361	6.4	20.0
2 1	7 4.52	+27 39.0	1.457	2.376	11.0	20.3
2 11	6 58.06	+28 0.2	1.541	2.391	15.0	20.6

495255 2013 PE_{16} 1 11.0 197.°77 3.°8/12.8 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 53.08	+ 7 51.7	2.614	3.337	13.0	22.5
12 13	7 48.55	+ 7 50.8	2.512	3.334	10.7	22.3
12 23	7 42.09	+ 8 1.5	2.431	3.329	8.1	22.1
1 2	7 34.14	+ 8 24.3	2.378	3.325	5.4	21.9
1 12	7 25.35	+ 8 58.3	2.353	3.319	3.8	21.8
1 22	7 16.53	+ 9 41.4	2.360	3.313	5.0	21.9
2 1	7 8.49	+10 30.7	2.397	3.306	7.7	22.0
2 11	7 1.94	+11 23.0	2.461	3.299	10.5	22.2

212042 2005 CJ_{58} 1 11.0 257.°84 0.°5/11.1 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 56.89	+20 50.4	1.734	2.513	16.6	20.5
12 13	7 52.74	+20 40.9	1.640	2.506	13.3	20.2
12 23	7 45.60	+20 36.6	1.567	2.498	9.2	20.0
1 2	7 36.03	+20 35.8	1.520	2.490	4.6	19.7
1 12	7 25.13	+20 35.8	1.500	2.483	0.7	19.4
1 22	7 14.25	+20 34.7	1.508	2.475	5.5	19.7
2 1	7 4.76	+20 31.3	1.544	2.467	10.2	20.0
2 11	6 57.79	+20 25.7	1.605	2.459	14.3	20.2

258122 2001 QX_{292} 1 11.0 121.°69 1.°0/11.3 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 57.39	+19 26.3	2.094	2.856	14.7	20.9
12 13	7 52.30	+19 14.4	2.013	2.868	11.7	20.7
12 23	7 44.77	+19 7.7	1.955	2.880	8.0	20.5
1 2	7 35.43	+19 4.6	1.923	2.892	4.1	20.3
1 12	7 25.22	+19 3.4	1.921	2.904	1.0	20.1
1 22	7 15.23	+19 2.7	1.950	2.915	4.6	20.4
2 1	7 6.50	+19 1.5	2.007	2.926	8.4	20.6
2 11	6 59.84	+18 59.5	2.090	2.936	11.8	20.9

381945 2010 DZ_{11} 1 11.0 74.°13 1.°3/11.7 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 51.48	+14 38.0	2.285	3.042	13.7	20.6
12 13	7 47.60	+15 15.0	2.198	3.049	10.9	20.4
12 23	7 41.59	+16 3.0	2.134	3.057	7.6	20.2
1 2	7 33.92	+16 59.8	2.097	3.064	4.0	20.0
1 12	7 25.38	+18 2.0	2.090	3.072	1.3	19.8
1 22	7 16.87	+19 5.4	2.113	3.079	4.2	20.0
2 1	7 9.32	+20 6.4	2.166	3.086	7.8	20.3
2 11	7 3.49	+21 2.3	2.246	3.094	11.0	20.5

17742 1998 BP_{25} 1 11.0 292.°42 0.°5/11.2 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 51.05	+19 2.6	2.318	3.087	13.3	18.5
12 13	7 47.41	+19 14.3	2.213	3.073	10.6	18.3
12 23	7 41.57	+19 32.6	2.131	3.059	7.3	18.1
1 2	7 33.97	+19 55.9	2.075	3.046	3.7	17.9
1 12	7 25.37	+20 21.7	2.049	3.032	0.6	17.6
1 22	7 16.70	+20 47.5	2.052	3.018	4.3	17.8
2 1	7 8.93	+21 11.0	2.085	3.005	8.1	18.0
2 11	7 2.89	+21 31.2	2.143	2.992	11.4	18.2

15480 1999 CB_{14} 1 11.0 4.°37 2.°4/12.1 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 50.37	+12 42.0	2.096	2.857	14.7	17.6
12 13	7 46.95	+12 58.1	2.006	2.857	11.9	17.4
12 23	7 41.27	+13 26.4	1.937	2.857	8.5	17.2
1 2	7 33.81	+14 6.0	1.894	2.857	4.9	17.0
1 12	7 25.40	+14 54.4	1.880	2.858	2.4	16.8
1 22	7 16.99	+15 48.0	1.894	2.859	4.8	17.0
2 1	7 9.58	+16 43.1	1.938	2.860	8.4	17.2
2 11	7 4.01	+17 36.3	2.007	2.862	11.8	17.4

38935 2000 SC_{239} 1 11.0 75.°79 0.°4/11.2 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 55.76	+18 0.7	1.925	2.693	15.6	19.0
12 13	7 51.19	+18 34.8	1.859	2.718	12.3	18.9
12 23	7 44.10	+19 18.1	1.814	2.742	8.4	18.7
1 2	7 35.12	+20 7.1	1.797	2.767	4.1	18.5
1 12	7 25.27	+20 57.6	1.808	2.791	0.5	18.2
1 22	7 15.67	+21 45.4	1.850	2.816	4.7	18.6
2 1	7 7.42	+22 27.5	1.920	2.839	8.7	18.9
2 11	7 1.33	+23 2.7	2.015	2.863	12.1	19.1

338979 2004 FC_{105} 1 11.0 159.°86 0.°7/10.7 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 52.25	+23 9.6	2.663	3.427	11.8	21.5
12 13	7 47.94	+23 27.3	2.571	3.430	9.3	21.3
12 23	7 41.67	+23 48.2	2.503	3.432	6.4	21.2
1 2	7 33.92	+24 9.9	2.463	3.434	3.1	20.9
1 12	7 25.40	+24 29.9	2.453	3.436	0.8	20.8
1 22	7 16.94	+24 46.1	2.474	3.438	4.0	21.0
2 1	7 9.36	+24 57.3	2.525	3.439	7.1	21.2
2 11	7 3.38	+25 3.3	2.602	3.441	10.0	21.4

417450 2006 PM_{25} 1 11.0 235.°35 2.°8/ 9.9 17

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 56.45	+31 27.7	2.986	3.742	10.9	21.9
12 13	7 51.23	+31 49.2	2.876	3.726	8.7	21.7
12 23	7 43.95	+32 9.2	2.790	3.710	6.2	21.6
1 2	7 35.06	+32 24.3	2.733	3.694	3.7	21.4
1 12	7 25.28	+32 31.5	2.706	3.677	2.9	21.3
1 22	7 15.48	+32 28.9	2.711	3.659	4.8	21.4
2 1	7 6.54	+32 16.1	2.746	3.641	7.4	21.5
2 11	6 59.22	+31 54.5	2.807	3.622	10.0	21.7

394806 2008 RV_{97} 1 11.0 79.°52 3.°4/10.1 17

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	8 0.91	+27 21.3	1.484	2.275	18.4	21.4
12 13	7 56.26	+28 5.9	1.422	2.294	14.6	21.2
12 23	7 48.09	+28 53.4	1.381	2.313	10.1	21.0
1 2	7 37.20	+29 36.9	1.364	2.332	5.5	20.8
1 12	7 25.05	+30 9.5	1.374	2.351	3.5	20.7
1 22	7 13.33	+30 27.0	1.412	2.370	7.0	20.9
2 1	7 3.62	+30 29.1	1.477	2.389	11.4	21.2
2 11	6 57.01	+30 18.6	1.564	2.407	15.2	21.5

256872 2008 DB_{15} 1 11.0 342.°55 2.°4/11.7 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 52.18	+15 24.7	1.585	2.369	17.7	20.5
12 13	7 49.20	+15 19.6	1.498	2.364	14.3	20.3
12 23	7 43.27	+15 26.1	1.431	2.360	10.2	20.0
1 2	7 34.95	+15 43.7	1.388	2.356	5.6	19.7
1 12	7 25.30	+16 10.0	1.372	2.352	2.4	19.5
1 22	7 15.67	+16 41.6	1.383	2.349	5.8	19.7
2 1	7 7.42	+17 15.2	1.420	2.347	10.5	20.0
2 11	7 1.66	+17 47.8	1.481	2.345	14.7	20.2

336466 2008 VJ_4 1 11.0 8.°08 6.°1/12.2 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 51.25	+ 9 32.3	1.716	2.480	17.4	19.5
12 13	7 48.00	+ 8 21.8	1.636	2.481	14.4	19.3
12 23	7 42.14	+ 7 22.3	1.576	2.484	11.0	19.1
1 2	7 34.28	+ 6 37.1	1.540	2.487	7.8	18.9
1 12	7 25.40	+ 6 8.4	1.531	2.492	6.1	18.8
1 22	7 16.66	+ 5 56.3	1.548	2.497	7.6	18.9
2 1	7 9.20	+ 5 59.5	1.591	2.503	10.7	19.1
2 11	7 3.93	+ 6 14.4	1.658	2.510	14.0	19.3

206806 2004 DT_{51} 1 11.0 288.°68 2.°8/12.3 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 50.11	+11 47.0	2.377	3.127	13.5	20.4
12 13	7 46.48	+11 50.9	2.280	3.123	10.9	20.2
12 23	7 40.82	+12 5.6	2.205	3.119	7.9	20.0
1 2	7 33.58	+12 30.6	2.156	3.115	4.8	19.8
1 12	7 25.48	+13 4.4	2.135	3.111	2.8	19.7
1 22	7 17.36	+13 44.7	2.145	3.107	4.6	19.8
2 1	7 10.10	+14 28.4	2.184	3.103	7.8	20.0
2 11	7 4.45	+15 12.9	2.249	3.099	10.9	20.2