2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
334209	2001 SZ_{308}		1 3.9	73.°49	3.°5/ 4.9	18
	h m	° ′			°	m
12 3	7 18.45	+11 40.2	2.237	3.055	12.1	21.2
12 13	7 12.82	+11 27.1	2.175	3.070	9.1	21.0
12 23	7 5.52	+11 23.5	2.139	3.085	6.0	20.9
1 2	6 57.25	+11 29.4	2.130	3.100	3.7	20.7
1 12	6 48.90	+11 43.7	2.152	3.115	4.4	20.8
1 22	6 41.32	+12 5.0	2.202	3.130	7.2	21.0
2 1	6 35.27	+12 31.2	2.279	3.144	10.1	21.2
2 11	6 31.24	+13 0.4	2.380	3.159	12.7	21.4
126667	2002 CQ_{212}		1 3.9	98.°05	1.°0/ 3.8	18
12 3	7 22.73	+25 13.6	1.980	2.819	12.6	20.3
12 13	7 16.23	+25 26.5	1.917	2.830	9.1	20.1
12 23	7 7.56	+25 39.1	1.879	2.840	5.1	19.9
1 2	6 57.60	+25 48.6	1.869	2.851	1.3	19.6
1 12	6 47.53	+25 52.8	1.889	2.861	3.6	19.8
1 22	6 38.47	+25 51.3	1.938	2.871	7.6	20.1
2 1	6 31.37	+25 44.7	2.014	2.882	11.1	20.3
2 11	6 26.86	+25 34.7	2.112	2.891	14.1	20.5
434008	2000 WY_2		1 3.9	2.°87	6.°6/ 2.9	18
12 3	7 34.00	+19 26.7	0.967	1.824	21.2	19.3
12 13	7 25.77	+16 39.5	0.906	1.823	16.0	19.0
12 23	7 13.44	+13 45.9	0.865	1.823	10.3	18.6
1 2	6 58.63	+10 56.7	0.850	1.823	6.6	18.5
1 12	6 43.72	+ 8 25.6	0.862	1.824	9.3	18.6
1 22	6 31.01	+ 6 23.6	0.898	1.825	14.8	18.9
2 1	6 22.12	+ 4 55.5	0.955	1.826	20.0	19.2
2 11	6 17.80	+ 3 58.3	1.028	1.829	24.3	19.5
166276	2002 GN_{95}		1 3.9	203.°44	2.°1/ 4.4	18
12 3	7 23.61	+17 19.3	1.932	2.761	13.3	20.8
12 13	7 16.96	+17 5.2	1.852	2.757	9.8	20.6
12 23	7 8.06	+16 56.8	1.797	2.753	5.9	20.3
1 2	6 57.73	+16 53.2	1.770	2.749	2.4	20.1
1 12	6 47.10	+16 53.6	1.773	2.743	4.1	20.2
1 22	6 37.34	+16 57.1	1.805	2.738	8.1	20.4
2 1	6 29.48	+17 3.2	1.863	2.732	11.8	20.7
2 11	6 24.21	+17 11.0	1.945	2.725	15.1	20.9
19552	1999 JJ_{68}		1 3.9	103.°00	1.°2/ 4.3	18
12 3	7 25.26	+18 33.9	1.700	2.535	14.5	18.7
12 13	7 18.16	+18 49.7	1.645	2.555	10.5	18.5
12 23	7 8.68	+19 12.0	1.615	2.575	6.0	18.3
1 2	6 57.81	+19 37.8	1.613	2.594	1.6	18.0
1 12	6 46.88	+20 4.4	1.640	2.613	3.9	18.2
1 22	6 37.14	+20 29.6	1.695	2.631	8.3	18.5
2 1	6 29.64	+20 52.4	1.777	2.649	12.1	18.8
2 11	6 24.99	+21 12.4	1.882	2.666	15.3	19.0
101651	1999 CU_{66}		1 3.9	327.°60	0.°1/ 3.9	18
12 3	7 20.83	+24 1.5	2.022	2.862	12.3	19.3
12 13	7 14.92	+23 46.2	1.942	2.856	8.9	19.1
12 23	7 6.88	+23 30.4	1.888	2.850	5.0	18.9
1 2	6 57.53	+23 12.8	1.862	2.845	0.9	18.6
1 12	6 47.95	+22 52.7	1.866	2.840	3.4	18.8
1 22	6 39.26	+22 30.4	1.899	2.835	7.5	19.0
2 1	6 32.40	+22 7.0	1.958	2.830	11.2	19.2
2 11	6 28.02	+21 43.7	2.040	2.826	14.3	19.4
30903	1993 FU_{37}		1 3.9	295.°68	3.°6/ 3.3	18
12 3	7 25.30	+29 0.1	1.388	2.242	16.1	19.0
12 13	7 19.26	+29 41.8	1.315	2.233	11.9	18.8
12 23	7 9.82	+30 21.8	1.264	2.225	7.2	18.5
1 2	6 58.07	+30 53.2	1.239	2.217	3.7	18.2
1 12	6 45.75	+31 10.3	1.241	2.209	6.1	18.4
1 22	6 34.74	+31 11.6	1.269	2.201	10.8	18.6
2 1	6 26.60	+30 59.2	1.320	2.193	15.4	18.9
2 11	6 22.28	+30 37.5	1.391	2.186	19.3	19.1
165710	2001 QC_1		1 3.9	208.°65	1.°7/ 4.5	18
12 3	7 18.38	+16 12.2	2.802	3.621	9.9	21.3
12 13	7 12.67	+16 16.1	2.715	3.616	7.3	21.1
12 23	7 5.45	+16 25.3	2.655	3.610	4.4	20.9
1 2	6 57.29	+16 38.9	2.625	3.603	1.9	20.7
1 12	6 48.91	+16 55.7	2.626	3.596	3.0	20.8
1 22	6 41.05	+17 14.6	2.658	3.589	5.9	21.0
2 1	6 34.41	+17 34.5	2.718	3.581	8.7	21.1
2 11	6 29.50	+17 54.5	2.803	3.573	11.2	21.3
206352	2003 QT_{28}		1 3.9	155.°70	0.°8/ 3.8	18
12 3	7 25.21	+23 53.1	1.999	2.833	12.7	21.2
12 13	7 18.07	+24 19.7	1.931	2.841	9.2	21.0
12 23	7 8.66	+24 47.6	1.887	2.848	5.2	20.8
1 2	6 57.84	+25 13.4	1.873	2.855	1.2	20.5
1 12	6 46.80	+25 34.1	1.889	2.861	3.7	20.7
1 22	6 36.73	+25 48.4	1.935	2.866	7.7	21.0
2 1	6 28.65	+25 56.3	2.007	2.871	11.3	21.2
2 11	6 23.24	+25 59.4	2.103	2.875	14.4	21.4

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
269628	2011 AN_{23}		1 3.9	359.°71	5.°3/ 5.6	18
	h m	° ′			°	m
12 3	7 15.28	+ 9 34.0	1.253	2.103	17.7	18.8
12 13	7 11.75	+ 9 44.9	1.188	2.098	13.7	18.6
12 23	7 5.45	+10 16.9	1.144	2.096	9.2	18.3
1 2	6 57.32	+11 9.8	1.123	2.095	5.6	18.1
1 12	6 48.79	+12 19.8	1.127	2.095	6.4	18.2
1 22	6 41.34	+13 40.5	1.156	2.097	10.5	18.4
2 1	6 36.28	+15 5.2	1.207	2.101	14.9	18.7
2 11	6 34.43	+16 27.6	1.279	2.107	18.8	18.9
9278	1981 EM_1		1 4.0	8.°67	0.°4/ 4.1	18
12 3	7 18.27	+20 45.7	1.820	2.667	13.2	17.2
12 13	7 13.23	+20 59.8	1.752	2.669	9.5	17.0
12 23	7 6.00	+21 18.5	1.708	2.671	5.4	16.7
1 2	6 57.40	+21 39.4	1.691	2.674	1.0	16.4
1 12	6 48.57	+22 0.0	1.703	2.677	3.6	16.6
1 22	6 40.65	+22 18.6	1.743	2.682	7.8	16.9
2 1	6 34.63	+22 34.2	1.808	2.686	11.6	17.1
2 11	6 31.17	+22 46.9	1.895	2.692	14.8	17.4
13559	Werth		1 4.0	114.°53	5.°9/ 2.7	18
12 3	7 25.95	+40 43.4	2.299	3.115	11.9	18.2
12 13	7 18.65	+41 26.0	2.238	3.123	9.4	18.0
12 23	7 8.99	+41 57.4	2.203	3.131	7.1	17.9
1 2	6 57.90	+42 12.3	2.195	3.139	6.0	17.9
1 12	6 46.67	+42 8.0	2.215	3.147	6.8	17.9
1 22	6 36.56	+41 45.2	2.264	3.155	9.0	18.1
2 1	6 28.62	+41 7.1	2.338	3.162	11.4	18.2
2 11	6 23.48	+40 18.7	2.434	3.170	13.6	18.4
518223	2016 SO_1		1 4.0	326.°43	8.°9/31.4	18
12 3	7 31.47	+29 34.1	0.975	1.841	20.3	20.3
12 13	7 25.48	+32 55.2	0.918	1.839	15.3	20.0
12 23	7 14.30	+36 25.3	0.883	1.838	10.7	19.7
1 2	6 58.97	+39 40.2	0.874	1.837	8.9	19.6
1 12	6 42.00	+42 16.8	0.889	1.836	12.0	19.8
1 22	6 26.62	+44 3.8	0.929	1.835	16.9	20.1
2 1	6 15.68	+45 4.1	0.987	1.834	21.6	20.3
2 11	6 10.72	+45 29.2	1.061	1.833	25.4	20.6
341016	2007 FV_{47}		1 4.0	348.°87	1.°1/ 3.7	18
12 3	7 22.32	+22 2.2	1.195	2.058	17.5	19.7
12 13	7 17.27	+22 53.4	1.129	2.054	12.7	19.4
12 23	7 8.77	+23 52.9	1.085	2.051	7.2	19.1
1 2	6 57.92	+24 54.3	1.065	2.048	1.5	18.7
1 12	6 46.49	+25 50.5	1.071	2.046	5.2	18.9
1 22	6 36.39	+26 36.5	1.103	2.044	10.9	19.2
2 1	6 29.25	+27 10.9	1.156	2.043	16.0	19.5
2 11	6 26.03	+27 34.6	1.229	2.043	20.3	19.8
425964	2011 HO_{23}		1 4.0	238.°30	4.°4/ 2.6	18
12 3	7 22.93	+34 47.5	2.303	3.133	11.4	21.4
12 13	7 16.54	+35 38.7	2.226	3.127	8.6	21.2
12 23	7 7.89	+36 24.2	2.175	3.121	5.9	21.0
1 2	6 57.74	+36 59.0	2.152	3.114	4.4	20.9
1 12	6 47.24	+37 19.2	2.158	3.108	5.6	21.0
1 22	6 37.55	+37 24.0	2.193	3.101	8.3	21.1
2 1	6 29.72	+37 14.9	2.255	3.094	11.2	21.3
2 11	6 24.47	+36 55.1	2.338	3.088	13.7	21.5
32538	2001 PB_{44}		1 4.0	54.°24	0.°8/ 4.2	18
12 3	7 22.49	+20 20.5	1.561	2.408	15.0	19.4
12 13	7 16.40	+20 25.6	1.506	2.422	10.8	19.2
12 23	7 7.80	+20 35.6	1.474	2.436	6.2	19.0
1 2	6 57.72	+20 48.1	1.469	2.451	1.3	18.7
1 12	6 47.54	+21 0.8	1.491	2.466	4.0	18.9
1 22	6 38.60	+21 12.2	1.542	2.481	8.6	19.2
2 1	6 31.97	+21 21.7	1.617	2.496	12.7	19.5
2 11	6 28.30	+21 29.5	1.714	2.512	16.1	19.7
502282	2015 BD_{138}		1 4.0	202.°04	5.°9/ 2.8	17
12 3	7 28.17	+46 15.5	3.100	3.883	9.9	21.4
12 13	7 19.86	+46 39.1	3.023	3.878	8.1	21.3
12 23	7 9.53	+46 50.2	2.971	3.874	6.6	21.2
1 2	6 58.00	+46 44.8	2.948	3.868	5.9	21.2
1 12	6 46.38	+46 20.8	2.955	3.862	6.4	21.2
1 22	6 35.73	+45 39.3	2.991	3.856	7.9	21.3
2 1	6 26.94	+44 43.4	3.054	3.849	9.7	21.4
2 11	6 20.60	+43 37.7	3.140	3.842	11.5	21.5
457081	2008 EZ_{98}		1 4.0	317.°50	1.°8/ 4.2	18
12 3	7 21.32	+19 41.5	1.481	2.332	15.4	20.7
12 13	7 16.01	+19 15.9	1.399	2.316	11.4	20.5
12 23	7 7.85	+18 54.3	1.338	2.300	6.7	20.1
1 2	6 57.77	+18 36.1	1.304	2.285	2.2	19.8
1 12	6 47.20	+18 21.0	1.297	2.270	4.6	19.9
1 22	6 37.63	+18 8.7	1.316	2.256	9.7	20.2
2 1	6 30.41	+17 59.7	1.359	2.242	14.4	20.4
2 11	6 26.40	+17 53.8	1.423	2.229	18.4	20.7

319651 2006 TO_7 1 4.0 73.°21 0.°1/ 3.9 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 24.09	+21 52.5	1.619	2.463	14.7	21.3
12 13	7 17.47	+22 12.7	1.567	2.482	10.5	21.1
12 23	7 8.36	+22 36.5	1.539	2.502	5.9	20.9
1 2	6 57.82	+23 0.2	1.539	2.521	1.0	20.6
1 12	6 47.21	+23 21.0	1.567	2.541	3.9	20.9
1 22	6 37.88	+23 37.1	1.623	2.560	8.4	21.2
2 1	6 30.88	+23 48.4	1.705	2.580	12.4	21.5
2 11	6 26.83	+23 55.8	1.808	2.599	15.7	21.7

465951 2011 BA_{34} 1 4.0 37.°46 5.°0/ 5.9 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 19.38	+ 6 55.5	1.765	2.579	15.0	20.8
12 13	7 14.01	+ 7 19.8	1.697	2.585	11.6	20.6
12 23	7 6.45	+ 8 2.5	1.651	2.591	8.1	20.4
1 2	6 57.52	+ 9 2.7	1.633	2.597	5.3	20.3
1 12	6 48.32	+10 16.9	1.643	2.604	5.7	20.3
1 22	6 39.99	+11 40.1	1.681	2.611	8.8	20.5
2 1	6 33.51	+13 6.8	1.745	2.618	12.3	20.7
2 11	6 29.56	+14 32.0	1.832	2.626	15.4	21.0

458217 2010 RZ_{114} 1 4.0 53.°48 3.°7/ 3.6 16

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 27.01	+31 5.0	1.454	2.303	15.8	21.3
12 13	7 19.80	+31 27.8	1.413	2.327	11.5	21.1
12 23	7 9.71	+31 43.7	1.394	2.353	7.0	20.9
1 2	6 58.04	+31 47.7	1.402	2.378	3.8	20.8
1 12	6 46.51	+31 37.4	1.437	2.404	5.6	20.9
1 22	6 36.69	+31 14.0	1.500	2.430	9.7	21.2
2 1	6 29.72	+30 41.3	1.586	2.456	13.5	21.5
2 11	6 26.15	+30 3.8	1.694	2.482	16.7	21.8

8307 Peltan 1 4.0 197.°96 3.°6/ 3.4 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 28.78	+29 56.0	1.553	2.396	15.3	18.7
12 13	7 21.46	+30 35.5	1.482	2.394	11.3	18.4
12 23	7 10.94	+31 11.6	1.434	2.392	6.9	18.2
1 2	6 58.31	+31 37.5	1.413	2.389	3.7	18.0
1 12	6 45.23	+31 48.6	1.420	2.385	5.8	18.1
1 22	6 33.46	+31 43.9	1.454	2.381	10.2	18.4
2 1	6 24.47	+31 26.2	1.514	2.377	14.4	18.6
2 11	6 19.09	+31 0.0	1.593	2.372	17.9	18.8

341920 2008 KZ_{19} 1 4.0 235.°60 1.°3/ 4.3 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 25.13	+18 44.5	1.486	2.329	15.8	21.9
12 13	7 18.77	+18 56.8	1.408	2.321	11.6	21.6
12 23	7 9.44	+19 16.9	1.352	2.313	6.8	21.3
1 2	6 58.07	+19 42.3	1.323	2.304	1.8	20.9
1 12	6 46.15	+20 9.7	1.322	2.295	4.5	21.1
1 22	6 35.29	+20 36.4	1.348	2.286	9.7	21.4
2 1	6 26.89	+21 0.8	1.398	2.276	14.4	21.6
2 11	6 21.85	+21 22.6	1.470	2.266	18.4	21.9

454888 2015 TD_{79} 1 4.0 15.°62 1.°9/ 4.3 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 22.11	+18 44.4	1.301	2.156	16.8	20.8
12 13	7 16.63	+18 34.5	1.239	2.158	12.4	20.6
12 23	7 8.17	+18 32.0	1.199	2.161	7.2	20.3
1 2	6 57.83	+18 35.3	1.183	2.164	2.3	20.0
1 12	6 47.20	+18 42.7	1.194	2.168	4.8	20.2
1 22	6 37.91	+18 52.4	1.231	2.173	10.0	20.5
2 1	6 31.28	+19 3.4	1.291	2.178	14.7	20.8
2 11	6 28.05	+19 14.8	1.370	2.183	18.6	21.0

350849 2002 GB_{76} 1 4.0 248.°83 2.°1/ 3.6 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 25.35	+27 13.8	1.827	2.666	13.5	21.5
12 13	7 18.67	+27 37.9	1.740	2.652	9.9	21.3
12 23	7 9.28	+28 1.2	1.677	2.637	5.8	21.0
1 2	6 58.04	+28 19.1	1.642	2.622	2.2	20.7
1 12	6 46.27	+28 28.1	1.637	2.606	4.5	20.8
1 22	6 35.42	+28 27.2	1.659	2.590	8.8	21.1
2 1	6 26.75	+28 17.4	1.708	2.574	12.9	21.3
2 11	6 21.12	+28 1.5	1.779	2.557	16.4	21.5

300259 2007 HJ_{16} 1 4.0 203.°66 0.°3/ 3.9 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 25.92	+23 2.6	1.959	2.792	13.0	22.2
12 13	7 18.76	+23 16.0	1.877	2.787	9.4	21.9
12 23	7 9.17	+23 31.2	1.820	2.781	5.4	21.7
1 2	6 58.00	+23 45.2	1.792	2.775	0.9	21.3
1 12	6 46.47	+23 55.7	1.794	2.767	3.7	21.5
1 22	6 35.84	+24 1.3	1.826	2.759	8.0	21.8
2 1	6 27.21	+24 2.5	1.885	2.750	11.9	22.0
2 11	6 21.34	+24 0.3	1.967	2.741	15.2	22.2

204196 2004 BU_{107} 1 4.0 3.°67 0.°0/ 4.0 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 19.15	+20 8.0	2.122	2.959	11.9	19.9
12 13	7 13.70	+20 50.5	2.047	2.959	8.6	19.7
12 23	7 6.25	+21 38.7	1.997	2.959	4.9	19.5
1 2	6 57.50	+22 29.5	1.976	2.959	0.8	19.2
1 12	6 48.45	+23 19.1	1.986	2.960	3.3	19.4
1 22	6 40.12	+24 4.8	2.025	2.960	7.2	19.6
2 1	6 33.43	+24 44.9	2.091	2.961	10.7	19.8
2 11	6 29.05	+25 18.8	2.180	2.962	13.6	20.0

170055 2002 VQ_{73} 1 4.0 109.°40 7.°0/ 5.7 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 18.04	+ 0 49.5	2.428	3.201	12.6	20.1
12 13	7 12.48	+ 0 1.2	2.362	3.210	10.4	20.0
12 23	7 5.36	− 0 32.2	2.320	3.219	8.4	19.8
1 2	6 57.33	− 0 48.5	2.304	3.228	7.1	19.8
1 12	6 49.18	− 0 46.9	2.317	3.236	7.3	19.8
1 22	6 41.68	− 0 28.7	2.357	3.245	8.8	19.9
2 1	6 35.54	+ 0 3.3	2.423	3.253	10.9	20.1
2 11	6 31.26	+ 0 45.4	2.512	3.261	12.9	20.2

345221 2005 UH_{163} 1 4.0 49.°20 1.°6/ 3.8 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 25.37	+25 13.8	1.288	2.145	16.9	20.8
12 13	7 19.13	+25 35.6	1.230	2.151	12.2	20.5
12 23	7 9.63	+25 58.4	1.193	2.158	7.0	20.3
1 2	6 58.10	+26 16.9	1.183	2.164	1.9	20.0
1 12	6 46.32	+26 27.3	1.198	2.172	5.0	20.2
1 22	6 36.08	+26 28.6	1.240	2.179	10.3	20.5
2 1	6 28.78	+26 22.1	1.305	2.187	15.0	20.8
2 11	6 25.18	+26 10.6	1.390	2.195	18.8	21.1

201258 2002 RZ_{138} 1 4.0 51.°64 4.°3/ 2.8 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 23.24	+32 11.4	1.865	2.705	13.2	19.7
12 13	7 16.88	+33 13.4	1.816	2.726	9.7	19.5
12 23	7 8.08	+34 10.0	1.793	2.746	6.3	19.3
1 2	6 57.82	+34 55.1	1.798	2.766	4.3	19.3
1 12	6 47.44	+35 24.9	1.831	2.787	5.8	19.4
1 22	6 38.23	+35 38.3	1.891	2.808	8.9	19.6
2 1	6 31.26	+35 37.3	1.978	2.830	12.0	19.9
2 11	6 27.16	+35 25.5	2.085	2.851	14.7	20.1

401945 2002 JA_{118} 1 4.0 181.°77 3.°7/ 5.1 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 22.26	+10 31.7	2.260	3.067	12.4	22.1
12 13	7 15.72	+10 31.7	2.180	3.068	9.4	22.0
12 23	7 7.32	+10 42.4	2.126	3.069	6.3	21.8
1 2	6 57.72	+11 3.6	2.100	3.068	3.9	21.6
1 12	6 47.88	+11 33.7	2.105	3.068	4.6	21.6
1 22	6 38.72	+12 10.7	2.141	3.066	7.5	21.8
2 1	6 31.12	+12 52.0	2.203	3.063	10.6	22.0
2 11	6 25.68	+13 35.4	2.290	3.060	13.4	22.2

357217 2002 GY_{186} 1 4.0 215.°59 0.°2/ 4.1 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 23.95	+21 5.4	1.953	2.787	12.9	22.1
12 13	7 17.37	+21 23.1	1.870	2.780	9.4	21.9
12 23	7 8.43	+21 44.9	1.812	2.773	5.4	21.6
1 2	6 57.93	+22 8.0	1.782	2.765	1.0	21.3
1 12	6 47.05	+22 29.7	1.783	2.756	3.6	21.5
1 22	6 36.98	+22 48.3	1.812	2.747	7.9	21.7
2 1	6 28.83	+23 3.0	1.869	2.737	11.8	22.0
2 11	6 23.34	+23 14.4	1.948	2.727	15.1	22.2

351002 2003 HJ_{44} 1 4.0 223.°63 1.°7/ 4.4 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 23.98	+17 26.8	1.814	2.646	13.9	21.9
12 13	7 17.50	+17 32.8	1.730	2.637	10.2	21.7
12 23	7 8.56	+17 46.0	1.670	2.629	6.1	21.4
1 2	6 57.97	+18 4.7	1.639	2.619	2.1	21.1
1 12	6 46.94	+18 26.8	1.637	2.609	4.0	21.2
1 22	6 36.75	+18 50.2	1.663	2.598	8.4	21.5
2 1	6 28.56	+19 13.5	1.716	2.587	12.5	21.7
2 11	6 23.15	+19 35.8	1.791	2.576	16.0	21.9

17744 Jodiefoster 1 4.0 85.°31 1.°3/ 4.3 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 28.15	+19 11.9	1.626	2.459	15.1	18.9
12 13	7 20.14	+19 11.9	1.584	2.493	10.9	18.8
12 23	7 9.76	+19 17.1	1.566	2.525	6.2	18.6
1 2	6 58.12	+19 25.1	1.576	2.557	1.7	18.3
1 12	6 46.63	+19 34.1	1.615	2.588	4.0	18.6
1 22	6 36.60	+19 42.7	1.684	2.619	8.4	18.9
2 1	6 28.99	+19 50.8	1.778	2.649	12.2	19.2
2 11	6 24.33	+19 58.3	1.895	2.678	15.3	19.5

360824 2005 KO_{11} 1 4.0 190.°49 2.°1/ 4.6 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 22.04	+15 41.7	2.117	2.941	12.5	21.9
12 13	7 15.73	+15 49.7	2.037	2.940	9.2	21.7
12 23	7 7.39	+16 5.3	1.983	2.938	5.6	21.5
1 2	6 57.76	+16 27.2	1.958	2.936	2.4	21.3
1 12	6 47.84	+16 53.5	1.963	2.934	3.7	21.4
1 22	6 38.68	+17 22.2	1.997	2.931	7.4	21.6
2 1	6 31.18	+17 51.7	2.059	2.927	10.9	21.8
2 11	6 26.02	+18 20.6	2.145	2.923	13.9	22.0

320890 2008 GW_{50} 1 4.0 212.°20 0.°3/ 4.1 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 21.96	+20 50.8	1.944	2.781	12.9	21.7
12 13	7 15.88	+21 5.9	1.867	2.779	9.4	21.5
12 23	7 7.56	+21 25.1	1.815	2.776	5.3	21.2
1 2	6 57.80	+21 46.0	1.791	2.773	1.0	20.9
1 12	6 47.73	+22 6.1	1.796	2.770	3.5	21.1
1 22	6 38.51	+22 23.7	1.831	2.767	7.7	21.4
2 1	6 31.17	+22 38.1	1.892	2.764	11.5	21.6
2 11	6 26.40	+22 49.6	1.976	2.760	14.7	21.8

403299 2009 BR_{158} 1 4.0 289.°28 1.°7/ 3.8 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 24.29	+26 16.8	1.567	2.416	14.8	21.1
12 13	7 18.30	+26 29.1	1.479	2.397	10.9	20.8
12 23	7 9.27	+26 40.8	1.415	2.378	6.3	20.5
1 2	6 58.14	+26 47.9	1.377	2.358	1.9	20.2
1 12	6 46.38	+26 47.1	1.367	2.339	4.7	20.3
1 22	6 35.62	+26 37.3	1.384	2.320	9.7	20.6
2 1	6 27.30	+26 20.3	1.426	2.301	14.3	20.8
2 11	6 22.38	+25 58.7	1.488	2.283	18.3	21.0

93471 2000 TU_{12} 1 4.0 109.°00 3.°0/ 3.1 18

12 3	7 22.97	+28 44.3	1.927	2.768	12.8	19.5
12 13	7 16.77	+29 38.1	1.858	2.770	9.4	19.3
12 23	7 8.13	+30 30.8	1.814	2.772	5.7	19.1
1 2	6 57.91	+31 16.7	1.798	2.774	3.1	18.9
1 12	6 47.36	+31 51.6	1.812	2.777	4.9	19.0
1 22	6 37.74	+32 13.6	1.854	2.779	8.5	19.2
2 1	6 30.20	+32 23.3	1.922	2.781	12.0	19.5
2 11	6 25.45	+32 23.2	2.012	2.783	15.0	19.7

466828 2015 BV_{198} 1 4.0 185.°25 0.°3/ 3.9 17

12 3	7 19.28	+23 3.4	2.737	3.566	9.8	22.0
12 13	7 13.42	+23 20.2	2.657	3.566	7.1	21.8
12 23	7 5.96	+23 38.4	2.605	3.566	4.0	21.6
1 2	6 57.52	+23 56.0	2.582	3.565	0.7	21.3
1 12	6 48.89	+24 11.2	2.591	3.564	2.7	21.5
1 22	6 40.85	+24 23.2	2.630	3.562	5.9	21.7
2 1	6 34.14	+24 31.5	2.698	3.561	8.8	21.9
2 11	6 29.30	+24 36.7	2.790	3.558	11.3	22.1

46628 1994 PD_{27} 1 4.0 37.°76 6.°7/ 3.4 18

12 3	7 27.91	+37 31.2	1.360	2.206	16.8	18.8
12 13	7 21.03	+38 5.9	1.312	2.219	12.9	18.6
12 23	7 10.69	+38 26.9	1.285	2.231	9.0	18.4
1 2	6 58.33	+38 26.6	1.282	2.245	6.8	18.3
1 12	6 45.96	+38 2.0	1.306	2.259	8.1	18.4
1 22	6 35.51	+37 15.6	1.354	2.273	11.5	18.6
2 1	6 28.33	+36 14.0	1.426	2.288	15.2	18.9
2 11	6 25.06	+35 4.7	1.518	2.304	18.4	19.2

395850 2012 XX_{150} 1 4.0 53.°79 4.°9/ 4.9 17

12 3	7 23.43	+12 14.9	1.234	2.078	18.3	20.8
12 13	7 17.45	+11 52.8	1.185	2.094	13.8	20.6
12 23	7 8.57	+11 46.3	1.158	2.110	9.0	20.3
1 2	6 57.97	+11 55.5	1.154	2.127	5.2	20.2
1 12	6 47.30	+12 18.6	1.177	2.144	6.4	20.3
1 22	6 38.13	+12 52.0	1.225	2.162	10.6	20.6
2 1	6 31.66	+13 31.8	1.296	2.179	14.9	20.9
2 11	6 28.55	+14 14.1	1.387	2.197	18.6	21.2

460996 2014 WX_{352} 1 4.0 124.°03 2.°9/ 3.4 18

12 3	7 23.23	+29 48.0	1.995	2.834	12.5	21.5
12 13	7 16.83	+30 18.9	1.926	2.837	9.2	21.3
12 23	7 8.09	+30 46.5	1.882	2.839	5.6	21.1
1 2	6 57.90	+31 6.5	1.866	2.842	2.9	20.9
1 12	6 47.47	+31 16.0	1.879	2.844	4.6	21.0
1 22	6 38.03	+31 14.2	1.921	2.847	8.2	21.3
2 1	6 30.62	+31 2.7	1.989	2.849	11.6	21.5
2 11	6 25.92	+30 44.1	2.079	2.852	14.5	21.7

169113 2001 OB_{43} 1 4.0 151.°82 0.°2/ 4.0 18

12 3	7 20.64	+23 53.9	2.452	3.285	10.7	20.3
12 13	7 14.48	+23 46.3	2.377	3.287	7.7	20.1
12 23	7 6.57	+23 38.5	2.328	3.289	4.3	19.9
1 2	6 57.63	+23 29.3	2.309	3.292	0.8	19.6
1 12	6 48.56	+23 17.7	2.321	3.294	2.9	19.8
1 22	6 40.24	+23 3.7	2.362	3.296	6.4	20.0
2 1	6 33.45	+22 48.0	2.432	3.298	9.5	20.2
2 11	6 28.75	+22 31.5	2.525	3.300	12.2	20.4

260779 2005 NJ_{16} 1 4.0 115.°18 1.°0/ 3.8 18

12 3	7 23.72	+24 17.8	1.940	2.777	12.9	21.1
12 13	7 17.07	+24 44.1	1.877	2.789	9.3	20.9
12 23	7 8.17	+25 11.4	1.839	2.801	5.2	20.7
1 2	6 57.91	+25 36.3	1.830	2.812	1.3	20.4
1 12	6 47.49	+25 55.9	1.851	2.823	3.7	20.6
1 22	6 38.09	+26 8.8	1.901	2.834	7.7	20.9
2 1	6 30.70	+26 15.4	1.978	2.845	11.3	21.1
2 11	6 25.95	+26 17.0	2.077	2.855	14.3	21.4

351252 2004 RO_{70} 1 4.0 96.°60 3.°0/ 3.4 18

12 3	7 27.36	+28 14.0	1.531	2.377	15.3	21.0
12 13	7 20.20	+28 56.4	1.477	2.392	11.1	20.8
12 23	7 10.12	+29 36.5	1.446	2.406	6.6	20.6
1 2	6 58.25	+30 8.1	1.442	2.420	3.1	20.4
1 12	6 46.23	+30 27.0	1.466	2.434	5.3	20.6
1 22	6 35.65	+30 32.2	1.518	2.448	9.6	20.9
2 1	6 27.77	+30 26.0	1.595	2.461	13.6	21.2
2 11	6 23.28	+30 11.8	1.692	2.475	16.9	21.4

31693 1999 JC_{32} 1 4.0 238.°21 5.°2/ 2.2 18

	h m	° ′			°	m
12 3	7 25.32	+35 6.0	2.091	2.921	12.4	18.5
12 13	7 18.64	+36 17.9	2.012	2.912	9.5	18.3
12 23	7 9.30	+37 24.6	1.959	2.903	6.7	18.1
1 2	6 58.15	+38 19.2	1.934	2.893	5.2	18.0
1 12	6 46.44	+38 56.6	1.938	2.883	6.6	18.0
1 22	6 35.57	+39 14.7	1.970	2.873	9.4	18.2
2 1	6 26.81	+39 15.1	2.028	2.863	12.5	18.4
2 11	6 21.00	+39 1.9	2.107	2.852	15.2	18.5

457809 2009 RF_{26} 1 4.0 61.°61 6.°0/ 3.4 16

12 3	7 31.23	+38 7.5	1.710	2.537	14.8	20.7
12 13	7 22.59	+38 48.2	1.678	2.574	11.3	20.6
12 23	7 11.19	+39 15.5	1.671	2.611	7.9	20.5
1 2	6 58.39	+39 23.4	1.691	2.648	6.1	20.4
1 12	6 45.89	+39 9.7	1.739	2.684	7.1	20.6
1 22	6 35.20	+38 37.1	1.814	2.721	9.9	20.8
2 1	6 27.39	+37 50.9	1.914	2.756	12.8	21.1
2 11	6 22.94	+36 57.1	2.036	2.792	15.3	21.3

46504 3194 $T\text{-}3$ 1 4.0 173.°08 3.°3/ 3.3 18

12 3	7 26.45	+29 51.5	1.859	2.696	13.4	19.4
12 13	7 19.36	+30 36.6	1.789	2.698	9.9	19.2
12 23	7 9.63	+31 18.7	1.743	2.700	6.1	18.9
1 2	6 58.18	+31 52.3	1.726	2.702	3.3	18.8
1 12	6 46.41	+32 13.1	1.739	2.703	5.2	18.9
1 22	6 35.71	+32 20.1	1.780	2.703	8.9	19.1
2 1	6 27.28	+32 14.8	1.846	2.703	12.5	19.3
2 11	6 21.89	+32 0.5	1.935	2.703	15.6	19.5

163150 2002 CE_{109} 1 4.0 156.°34 2.°4/ 4.7 18

12 3	7 23.50	+15 1.0	1.863	2.689	13.8	20.4
12 13	7 16.95	+15 12.9	1.792	2.696	10.2	20.2
12 23	7 8.15	+15 34.2	1.746	2.701	6.2	20.0
1 2	6 57.92	+16 3.2	1.728	2.706	2.7	19.7
1 12	6 47.45	+16 37.5	1.740	2.711	4.1	19.8
1 22	6 37.89	+17 14.2	1.781	2.715	8.1	20.1
2 1	6 30.26	+17 51.3	1.848	2.718	11.8	20.3
2 11	6 25.26	+18 27.1	1.938	2.721	15.0	20.5

229267 2005 AM_{38} 1 4.0 201.°36 0.°1/ 4.0 18

12 3	7 21.70	+23 47.9	2.248	3.082	11.5	20.6
12 13	7 15.40	+23 38.1	2.170	3.080	8.3	20.4
12 23	7 7.16	+23 28.1	2.118	3.079	4.7	20.2
1 2	6 57.75	+23 16.6	2.095	3.078	0.8	19.9
1 12	6 48.16	+23 2.6	2.103	3.076	3.1	20.1
1 22	6 39.39	+22 46.2	2.140	3.075	6.9	20.3
2 1	6 32.29	+22 28.2	2.205	3.073	10.3	20.5
2 11	6 27.48	+22 9.7	2.294	3.071	13.2	20.7

322268 2011 EF_{27} 1 4.0 7.°50 5.°5/ 5.6 18

12 3	7 18.24	+ 6 48.2	1.957	2.767	13.9	20.7
12 13	7 13.06	+ 6 36.0	1.884	2.767	10.9	20.5
12 23	7 5.93	+ 6 38.7	1.834	2.768	7.9	20.3
1 2	6 57.55	+ 6 57.4	1.811	2.768	5.7	20.2
1 12	6 48.92	+ 7 30.9	1.815	2.769	6.1	20.2
1 22	6 41.05	+ 8 16.6	1.848	2.770	8.7	20.3
2 1	6 34.83	+ 9 10.9	1.906	2.771	11.8	20.5
2 11	6 30.89	+10 9.7	1.987	2.773	14.6	20.7

185419 2006 WU_{185} 1 4.0 2.°40 0.°0/ 3.9 18

12 3	7 20.73	+20 10.6	1.462	2.315	15.4	19.9
12 13	7 15.59	+20 53.6	1.395	2.314	11.2	19.6
12 23	7 7.66	+21 45.0	1.350	2.314	6.4	19.4
1 2	6 57.87	+22 40.1	1.332	2.314	1.1	19.0
1 12	6 47.67	+23 33.7	1.341	2.315	4.3	19.2
1 22	6 38.55	+24 21.7	1.376	2.317	9.3	19.5
2 1	6 31.81	+25 1.9	1.436	2.319	13.8	19.8
2 11	6 28.28	+25 34.1	1.517	2.321	17.5	20.1

215521 2002 VJ_{35} 1 4.0 74.°58 2.°5/ 3.4 18

12 3	7 24.69	+27 1.9	1.652	2.497	14.3	20.1
12 13	7 18.11	+27 51.0	1.598	2.513	10.4	19.9
12 23	7 8.89	+28 39.3	1.568	2.529	6.1	19.7
1 2	6 58.06	+29 21.3	1.565	2.544	2.6	19.5
1 12	6 47.05	+29 52.5	1.591	2.560	4.8	19.7
1 22	6 37.31	+30 11.3	1.645	2.575	8.9	19.9
2 1	6 29.96	+30 18.8	1.724	2.591	12.7	20.2
2 11	6 25.70	+30 17.4	1.824	2.606	15.9	20.4

323136 2003 BE_{76} 1 4.0 284.°80 2.°7/ 3.1 18

12 3	7 22.79	+26 30.5	1.801	2.645	13.4	20.8
12 13	7 16.96	+27 37.9	1.719	2.633	9.8	20.5
12 23	7 8.44	+28 48.0	1.661	2.622	5.8	20.3
1 2	6 58.02	+29 54.9	1.631	2.610	2.8	20.0
1 12	6 47.00	+30 52.3	1.631	2.598	5.0	20.2
1 22	6 36.77	+31 36.7	1.659	2.586	9.1	20.4
2 1	6 28.65	+32 7.3	1.712	2.574	13.0	20.6
2 11	6 23.53	+32 25.9	1.786	2.562	16.4	20.8

25201 1998 SV_{140} 1 4.0 144.°22 7.°1/ 2.4 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 30.87	+42 21.3	2.144	2.952	12.9	19.3
12 13	7 22.53	+43 24.2	2.086	2.963	10.3	19.1
12 23	7 11.38	+44 14.1	2.053	2.973	8.1	19.0
1 2	6 58.49	+44 44.0	2.047	2.983	7.1	18.9
1 12	6 45.37	+44 50.1	2.070	2.992	7.9	19.0
1 22	6 33.56	+44 33.0	2.121	3.000	10.1	19.2
2 1	6 24.27	+43 56.8	2.196	3.008	12.5	19.3
2 11	6 18.25	+43 7.9	2.293	3.015	14.7	19.5

194101 2001 SE_{212} 1 4.0 134.°00 1.°4/ 3.8 15

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 28.09	+25 22.4	1.850	2.684	13.6	22.5
12 13	7 20.27	+25 48.3	1.790	2.700	9.8	22.3
12 23	7 9.99	+26 13.9	1.755	2.715	5.6	22.0
1 2	6 58.25	+26 35.2	1.748	2.730	1.6	21.8
1 12	6 46.38	+26 49.2	1.772	2.744	4.0	22.0
1 22	6 35.71	+26 54.9	1.826	2.756	8.2	22.3
2 1	6 27.30	+26 53.4	1.906	2.768	11.9	22.5
2 11	6 21.80	+26 47.0	2.008	2.780	15.0	22.8

186562 2002 YZ_{10} 1 4.0 4.°71 1.°4/ 3.7 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 17.28	+22 35.1	1.110	1.985	17.6	19.0
12 13	7 13.70	+23 28.4	1.054	1.984	12.8	18.8
12 23	7 6.82	+24 29.4	1.018	1.985	7.2	18.5
1 2	6 57.74	+25 31.2	1.005	1.988	1.8	18.1
1 12	6 48.25	+26 27.0	1.018	1.992	5.3	18.4
1 22	6 40.16	+27 11.7	1.054	1.999	10.9	18.7
2 1	6 34.99	+27 43.9	1.112	2.007	15.8	19.0
2 11	6 33.60	+28 4.4	1.189	2.017	19.9	19.3

492083 2013 JT_{20} 1 4.0 179.°12 1.°1/ 4.4 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 22.18	+17 56.4	2.066	2.896	12.5	22.2
12 13	7 15.91	+18 19.4	1.990	2.897	9.1	22.0
12 23	7 7.55	+18 49.1	1.939	2.898	5.3	21.8
1 2	6 57.84	+19 23.2	1.917	2.898	1.5	21.5
1 12	6 47.85	+19 58.8	1.925	2.898	3.4	21.7
1 22	6 38.63	+20 33.6	1.962	2.897	7.4	21.9
2 1	6 31.16	+21 5.9	2.027	2.897	11.0	22.1
2 11	6 26.10	+21 35.1	2.116	2.895	14.0	22.3

28318 Janecox 1 4.0 58.°62 3.°1/ 4.7 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 24.10	+15 25.7	1.278	2.126	17.6	17.9
12 13	7 17.91	+15 21.7	1.229	2.143	13.0	17.7
12 23	7 8.83	+15 29.4	1.202	2.160	7.9	17.4
1 2	6 58.06	+15 47.4	1.199	2.178	3.5	17.2
1 12	6 47.21	+16 12.9	1.224	2.196	5.2	17.4
1 22	6 37.85	+16 42.8	1.274	2.214	10.0	17.7
2 1	6 31.19	+17 14.5	1.348	2.232	14.4	18.0
2 11	6 27.89	+17 45.7	1.442	2.250	18.1	18.3

226883 2004 TF_{124} 1 4.0 117.°48 1.°4/ 4.4 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 21.33	+18 17.5	2.098	2.929	12.3	20.7
12 13	7 15.15	+18 16.0	2.030	2.938	9.0	20.5
12 23	7 7.04	+18 19.5	1.988	2.946	5.3	20.3
1 2	6 57.75	+18 26.7	1.974	2.955	1.7	20.0
1 12	6 48.32	+18 36.2	1.991	2.963	3.4	20.2
1 22	6 39.75	+18 46.9	2.037	2.972	7.2	20.4
2 1	6 32.90	+18 57.9	2.110	2.979	10.6	20.7
2 11	6 28.36	+19 8.9	2.206	2.987	13.5	20.9

395853 2012 YT 1 4.0 32.°28 1.°4/ 4.4 17

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 22.34	+17 55.5	1.090	1.954	18.7	20.7
12 13	7 17.18	+18 20.4	1.040	1.964	13.7	20.4
12 23	7 8.66	+18 57.2	1.010	1.974	7.9	20.2
1 2	6 58.06	+19 41.7	1.004	1.986	2.1	19.8
1 12	6 47.22	+20 28.5	1.023	1.999	5.0	20.1
1 22	6 37.99	+21 12.9	1.067	2.012	10.7	20.4
2 1	6 31.80	+21 52.3	1.133	2.026	15.8	20.8
2 11	6 29.40	+22 25.6	1.217	2.041	19.9	21.1

468409 2016 GK_{175} 1 4.0 198.°52 3.°9/ 5.2 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 17.98	+ 9 47.7	2.413	3.222	11.6	21.7
12 13	7 12.59	+ 9 40.0	2.334	3.221	8.9	21.5
12 23	7 5.56	+ 9 42.5	2.280	3.220	6.1	21.3
1 2	6 57.51	+ 9 55.4	2.254	3.219	4.0	21.2
1 12	6 49.24	+10 18.0	2.258	3.217	4.6	21.2
1 22	6 41.58	+10 48.5	2.291	3.216	7.1	21.4
2 1	6 35.27	+11 24.6	2.352	3.214	10.0	21.5
2 11	6 30.87	+12 4.0	2.436	3.212	12.5	21.7

412116 2013 GK_{20} 1 4.0 251.°67 1.°4/ 3.7 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 24.09	+25 3.2	1.748	2.591	13.8	21.9
12 13	7 17.83	+25 32.6	1.666	2.581	10.1	21.6
12 23	7 8.88	+26 3.6	1.609	2.571	5.8	21.3
1 2	6 58.11	+26 31.9	1.579	2.560	1.7	21.0
1 12	6 46.86	+26 53.8	1.578	2.550	4.3	21.2
1 22	6 36.53	+27 7.2	1.605	2.539	8.8	21.4
2 1	6 28.40	+27 12.5	1.658	2.528	13.0	21.7
2 11	6 23.30	+27 11.5	1.732	2.517	16.5	21.9

29914 1999 JH_{15} 1 4.0 271.°48 1.°8/ 4.8 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 18.61	+14 24.9	2.402	3.223	11.2	18.3
12 13	7 13.21	+15 0.6	2.311	3.212	8.4	18.1
12 23	7 6.01	+15 45.8	2.246	3.201	5.1	17.9
1 2	6 57.60	+16 38.5	2.211	3.189	2.1	17.7
1 12	6 48.83	+17 36.0	2.206	3.178	3.3	17.8
1 22	6 40.59	+18 35.1	2.232	3.166	6.7	17.9
2 1	6 33.70	+19 33.2	2.286	3.155	9.9	18.1
2 11	6 28.81	+20 28.1	2.365	3.143	12.8	18.3

459950 2014 ND_{46} 1 4.0 42.°12 4.°8/ 4.9 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 21.60	+12 25.9	1.401	2.242	16.7	21.1
12 13	7 15.88	+11 51.7	1.351	2.257	12.7	20.9
12 23	7 7.61	+11 30.5	1.323	2.274	8.3	20.7
1 2	6 57.85	+11 23.4	1.319	2.291	5.1	20.5
1 12	6 48.05	+11 29.8	1.343	2.308	6.1	20.6
1 22	6 39.54	+11 47.4	1.392	2.326	9.9	20.9
2 1	6 33.41	+12 13.2	1.465	2.344	13.8	21.2
2 11	6 30.28	+12 43.9	1.559	2.363	17.1	21.4

165395 2000 XN_{16} 1 4.0 3.°36 4.°9/ 3.5 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 25.67	+32 48.8	1.336	2.190	16.5	19.3
12 13	7 19.57	+33 17.4	1.273	2.189	12.4	19.1
12 23	7 10.04	+33 38.0	1.232	2.189	8.0	18.8
1 2	6 58.30	+33 44.0	1.216	2.189	4.9	18.6
1 12	6 46.27	+33 31.2	1.226	2.191	6.8	18.8
1 22	6 35.83	+33 0.6	1.262	2.192	11.1	19.0
2 1	6 28.47	+32 16.7	1.321	2.194	15.4	19.3
2 11	6 24.99	+31 25.7	1.399	2.197	19.0	19.5

279064 2008 WX_{21} 1 4.0 158.°14 3.°9/ 2.9 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 22.68	+33 16.5	2.311	3.142	11.3	20.4
12 13	7 16.32	+34 5.3	2.241	3.144	8.5	20.2
12 23	7 7.79	+34 49.2	2.197	3.146	5.6	20.0
1 2	6 57.90	+35 23.4	2.181	3.148	3.9	19.9
1 12	6 47.74	+35 44.6	2.195	3.150	5.2	20.0
1 22	6 38.41	+35 51.9	2.238	3.151	7.9	20.2
2 1	6 30.90	+35 46.5	2.308	3.152	10.8	20.4
2 11	6 25.87	+35 31.5	2.400	3.154	13.3	20.6

111428 2001 XM_{206} 1 4.0 86.°34 1.°9/ 4.5 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 25.85	+16 59.9	1.488	2.327	16.0	19.7
12 13	7 18.86	+17 11.9	1.438	2.349	11.7	19.5
12 23	7 9.26	+17 32.7	1.411	2.370	6.8	19.2
1 2	6 58.14	+17 59.8	1.411	2.392	2.3	19.0
1 12	6 46.98	+18 29.9	1.440	2.413	4.4	19.2
1 22	6 37.20	+19 0.3	1.496	2.434	9.0	19.5
2 1	6 29.89	+19 29.3	1.577	2.454	13.1	19.8
2 11	6 25.69	+19 55.9	1.680	2.474	16.5	20.1

15752 Eluard 1 4.0 53.°99 3.°7/ 5.3 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 19.22	+10 30.6	1.968	2.788	13.4	17.5
12 13	7 13.61	+10 41.3	1.915	2.810	10.1	17.3
12 23	7 6.14	+11 4.4	1.887	2.833	6.7	17.1
1 2	6 57.60	+11 38.8	1.886	2.856	4.0	17.0
1 12	6 49.01	+12 22.2	1.914	2.879	4.6	17.1
1 22	6 41.32	+13 11.4	1.971	2.902	7.6	17.3
2 1	6 35.33	+14 3.1	2.055	2.926	10.8	17.6
2 11	6 31.60	+14 54.5	2.162	2.949	13.5	17.8

461020 2014 WE_{406} 1 4.0 116.°37 0.°4/ 3.9 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 22.06	+23 4.7	2.077	2.914	12.2	21.7
12 13	7 15.77	+23 22.0	2.011	2.922	8.8	21.5
12 23	7 7.43	+23 41.0	1.969	2.931	4.9	21.3
1 2	6 57.84	+23 59.2	1.957	2.939	0.9	21.0
1 12	6 48.08	+24 14.2	1.974	2.947	3.3	21.3
1 22	6 39.21	+24 24.9	2.021	2.955	7.2	21.5
2 1	6 32.16	+24 31.1	2.094	2.963	10.7	21.7
2 11	6 27.54	+24 33.8	2.191	2.970	13.6	22.0

241091 2006 UO_{296} 1 4.0 227.°04 0.°4/ 4.2 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 18.99	+20 41.3	2.589	3.418	10.3	22.0
12 13	7 13.32	+20 49.6	2.504	3.412	7.5	21.8
12 23	7 5.99	+21 0.8	2.445	3.405	4.3	21.6
1 2	6 57.60	+21 13.3	2.417	3.399	0.9	21.3
1 12	6 48.97	+21 25.6	2.419	3.392	2.8	21.5
1 22	6 40.94	+21 36.8	2.451	3.385	6.2	21.7
2 1	6 34.26	+21 46.3	2.511	3.378	9.2	21.9
2 11	6 29.50	+21 54.1	2.596	3.370	11.9	22.0

461056 2014 XF_{28} 1 4.0 352.°73 2.°2/ 3.5 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 22.07	+27 6.3	1.899	2.741	12.9	20.6
12 13	7 16.12	+27 42.0	1.827	2.741	9.4	20.4
12 23	7 7.79	+28 17.2	1.780	2.740	5.5	20.2
1 2	6 57.93	+28 47.7	1.760	2.740	2.3	20.0
1 12	6 47.75	+29 9.8	1.770	2.740	4.3	20.1
1 22	6 38.52	+29 22.1	1.809	2.740	8.2	20.3
2 1	6 31.31	+29 25.2	1.873	2.739	11.9	20.6
2 11	6 26.84	+29 21.0	1.959	2.739	15.0	20.8

402724 2006 WR_{67} 1 4.0 85.°26 3.°5/ 4.5 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 24.55	+14 39.3	1.808	2.633	14.2	20.4
12 13	7 17.47	+13 59.3	1.755	2.656	10.6	20.2
12 23	7 8.30	+13 27.0	1.727	2.678	6.7	20.0
1 2	6 57.98	+13 3.3	1.727	2.700	3.7	19.9
1 12	6 47.70	+12 48.4	1.757	2.722	4.9	20.0
1 22	6 38.57	+12 41.6	1.815	2.744	8.3	20.3
2 1	6 31.49	+12 42.1	1.899	2.765	11.8	20.5
2 11	6 26.99	+12 48.0	2.005	2.786	14.7	20.8

182608 2001 UN_{49} 1 4.1 108.°15 7.°4/ 5.9 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 20.52	+ 2 16.5	1.993	2.780	14.5	20.0
12 13	7 14.56	+ 1 35.7	1.931	2.792	11.8	19.9
12 23	7 6.71	+ 1 12.1	1.892	2.803	9.2	19.7
1 2	6 57.73	+ 1 8.0	1.879	2.815	7.5	19.7
1 12	6 48.61	+ 1 23.6	1.894	2.826	7.8	19.7
1 22	6 40.34	+ 1 56.7	1.935	2.837	9.7	19.8
2 1	6 33.75	+ 2 43.5	2.003	2.847	12.2	20.0
2 11	6 29.42	+ 3 39.2	2.092	2.858	14.6	20.2

173132 1994 RY_{2} 1 4.1 212.°60 1.°0/ 3.8 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 19.76	+25 56.9	2.792	3.622	9.6	20.7
12 13	7 13.80	+26 7.5	2.709	3.617	7.0	20.5
12 23	7 6.23	+26 17.4	2.652	3.612	4.0	20.3
1 2	6 57.65	+26 24.5	2.625	3.606	1.1	20.0
1 12	6 48.87	+26 27.4	2.629	3.600	2.9	20.2
1 22	6 40.70	+26 25.5	2.663	3.594	6.0	20.4
2 1	6 33.86	+26 19.3	2.727	3.587	8.8	20.5
2 11	6 28.90	+26 9.6	2.814	3.580	11.2	20.7

85453 1997 GF_{31} 1 4.1 305.°01 4.°8/ 3.1 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 25.72	+33 1.3	1.617	2.460	14.7	19.6
12 13	7 19.29	+33 48.7	1.547	2.457	11.0	19.4
12 23	7 9.80	+34 30.2	1.501	2.454	7.3	19.2
1 2	6 58.31	+34 58.7	1.482	2.451	4.9	19.0
1 12	6 46.39	+35 9.7	1.490	2.448	6.5	19.1
1 22	6 35.73	+35 2.2	1.524	2.446	10.3	19.3
2 1	6 27.71	+34 39.4	1.583	2.443	14.1	19.5
2 11	6 23.16	+34 6.2	1.663	2.440	17.3	19.8

293485 2007 FQ_{27} 1 4.1 133.°48 2.°1/ 4.6 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 20.92	+16 15.4	2.054	2.883	12.6	21.0
12 13	7 14.94	+16 13.2	1.983	2.888	9.3	20.8
12 23	7 6.98	+16 17.9	1.937	2.893	5.6	20.6
1 2	6 57.80	+16 28.5	1.919	2.897	2.4	20.4
1 12	6 48.43	+16 43.6	1.931	2.902	3.8	20.5
1 22	6 39.87	+17 1.5	1.972	2.906	7.4	20.7
2 1	6 33.04	+17 21.1	2.039	2.910	10.9	20.9
2 11	6 28.52	+17 41.1	2.130	2.914	13.8	21.2

399486 2002 TQ_{34} 1 4.1 54.°36 2.°0/ 3.7 16

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 25.97	+26 25.3	1.410	2.261	16.0	21.2
12 13	7 19.13	+26 49.5	1.368	2.286	11.5	21.0
12 23	7 9.46	+27 12.4	1.349	2.312	6.6	20.8
1 2	6 58.21	+27 29.1	1.357	2.338	2.2	20.6
1 12	6 47.05	+27 36.6	1.392	2.364	4.7	20.8
1 22	6 37.50	+27 34.5	1.454	2.390	9.3	21.1
2 1	6 30.70	+27 24.8	1.540	2.416	13.4	21.4
2 11	6 27.22	+27 10.2	1.648	2.443	16.7	21.7

215261 2001 OT_{14} 1 4.1 104.°90 4.°7/ 5.8 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 22.29	+ 6 54.2	2.092	2.891	13.5	20.6
12 13	7 15.72	+ 7 4.0	2.035	2.914	10.5	20.4
12 23	7 7.32	+ 7 28.3	2.002	2.936	7.3	20.3
1 2	6 57.86	+ 8 6.6	1.998	2.958	5.0	20.2
1 12	6 48.32	+ 8 56.5	2.023	2.979	5.3	20.2
1 22	6 39.66	+ 9 54.6	2.077	3.000	7.9	20.4
2 1	6 32.69	+10 57.2	2.160	3.020	10.8	20.7
2 11	6 27.94	+12 0.6	2.266	3.039	13.4	20.9

196827 2003 SO_{236} 1 4.1 87.°77 5.°1/ 5.5 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 19.47	+ 7 11.4	2.132	2.936	13.1	20.9
12 13	7 13.72	+ 6 54.4	2.071	2.951	10.2	20.8
12 23	7 6.21	+ 6 50.6	2.034	2.966	7.3	20.6
1 2	6 57.67	+ 7 0.8	2.025	2.981	5.3	20.5
1 12	6 49.03	+ 7 23.9	2.044	2.996	5.7	20.6
1 22	6 41.19	+ 7 57.8	2.092	3.011	8.0	20.8
2 1	6 34.93	+ 8 39.6	2.166	3.025	10.8	21.0
2 11	6 30.78	+ 9 25.8	2.264	3.040	13.3	21.2

157999 2000 OE_{9} 1 4.1 185.°45 1.°3/ 4.6 17

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 14.02	+15 52.5	4.070	4.883	7.2	21.4
12 13	7 9.25	+15 56.7	3.986	4.883	5.3	21.3
12 23	7 3.52	+16 4.7	3.930	4.882	3.2	21.1
1 2	6 57.21	+16 15.8	3.904	4.881	1.4	21.0
1 12	6 50.78	+16 29.4	3.910	4.880	2.2	21.1
1 22	6 44.70	+16 44.7	3.948	4.878	4.2	21.2
2 1	6 39.40	+17 0.9	4.015	4.876	6.2	21.3
2 11	6 35.24	+17 17.5	4.109	4.874	8.0	21.5

203090 2000 QU_{214} 1 4.1 87.°24 5.°0/ 3.3 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 28.82	+33 23.2	1.519	2.361	15.5	19.9
12 13	7 21.43	+34 8.2	1.466	2.375	11.6	19.7
12 23	7 10.91	+34 45.2	1.437	2.389	7.6	19.5
1 2	6 58.51	+35 7.1	1.434	2.404	5.0	19.4
1 12	6 45.99	+35 10.0	1.459	2.418	6.7	19.5
1 22	6 35.08	+34 54.3	1.510	2.431	10.4	19.8
2 1	6 27.07	+34 24.1	1.586	2.445	14.1	20.0
2 11	6 22.68	+33 45.3	1.682	2.458	17.2	20.3

472628 2015 DA_{198} 1 4.1 111.°53 6.°0/ 4.6 16

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 42.17	+38 3.1	1.117	1.956	20.2	20.9
12 13	7 31.79	+37 32.5	1.059	1.964	15.4	20.6
12 23	7 16.90	+36 39.7	1.022	1.973	10.2	20.4
1 2	6 59.52	+35 17.6	1.009	1.981	6.2	20.2
1 12	6 42.50	+33 27.5	1.024	1.989	7.7	20.3
1 22	6 28.39	+31 19.5	1.065	1.996	12.6	20.6
2 1	6 18.77	+29 7.5	1.130	2.003	17.4	20.9
2 11	6 14.11	+27 2.9	1.215	2.010	21.5	21.2

154501 2003 FR_{30} 1 4.1 185.°44 1.°2/ 3.7 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 22.35	+24 15.6	2.240	3.073	11.5	20.2
12 13	7 16.04	+24 57.9	2.163	3.073	8.3	20.0
12 23	7 7.68	+25 42.3	2.112	3.073	4.7	19.8
1 2	6 57.97	+26 24.8	2.091	3.072	1.4	19.5
1 12	6 47.94	+27 2.3	2.100	3.071	3.5	19.7
1 22	6 38.66	+27 32.4	2.139	3.070	7.2	19.9
2 1	6 31.05	+27 54.8	2.206	3.068	10.5	20.1
2 11	6 25.80	+28 10.3	2.296	3.065	13.4	20.3

181783 1998 BV_{14} 1 4.1 203.°88 0.°8/ 3.9 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 27.35	+23 5.2	1.782	2.617	14.0	20.6
12 13	7 20.14	+23 39.1	1.701	2.612	10.2	20.4
12 23	7 10.20	+24 16.4	1.645	2.606	5.8	20.1
1 2	6 58.43	+24 52.8	1.617	2.600	1.2	19.8
1 12	6 46.17	+25 24.1	1.620	2.592	4.1	20.0
1 22	6 34.86	+25 48.0	1.651	2.584	8.7	20.2
2 1	6 25.76	+26 4.3	1.709	2.575	12.9	20.5
2 11	6 19.71	+26 14.2	1.789	2.565	16.4	20.7

455078 2015 UY_{50} 1 4.1 265.°33 2.°5/ 4.7 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 22.83	+15 19.2	1.505	2.346	15.8	21.6
12 13	7 17.06	+15 34.8	1.431	2.342	11.8	21.3
12 23	7 8.53	+16 2.4	1.380	2.338	7.1	21.1
1 2	6 58.14	+16 39.9	1.355	2.334	2.9	20.8
1 12	6 47.30	+17 23.9	1.357	2.330	4.7	20.9
1 22	6 37.47	+18 10.6	1.387	2.326	9.4	21.2
2 1	6 29.94	+18 56.9	1.442	2.322	13.9	21.4
2 11	6 25.55	+19 40.6	1.518	2.318	17.7	21.7

519888 2013 OY_{12} 1 4.1 108.°12 5.°2/ 5.5 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 18.78	+ 5 58.8	2.404	3.199	12.1	21.5
12 13	7 13.07	+ 5 31.4	2.339	3.212	9.6	21.3
12 23	7 5.81	+ 5 16.1	2.299	3.224	7.1	21.2
1 2	6 57.63	+ 5 14.3	2.287	3.237	5.4	21.1
1 12	6 49.34	+ 5 25.5	2.304	3.249	5.7	21.1
1 22	6 41.75	+ 5 48.4	2.349	3.261	7.7	21.3
2 1	6 35.54	+ 6 20.4	2.422	3.272	10.1	21.4
2 11	6 31.23	+ 6 58.5	2.518	3.284	12.4	21.6

461314 2015 XS_{179} 1 4.1 172.°69 1.°5/ 4.5 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 23.70	+17 3.9	1.791	2.624	14.0	21.7
12 13	7 17.29	+17 26.5	1.718	2.626	10.3	21.4
12 23	7 8.49	+17 57.6	1.669	2.628	6.1	21.2
1 2	6 58.13	+18 34.7	1.648	2.629	1.9	20.9
1 12	6 47.43	+19 14.5	1.657	2.630	3.9	21.1
1 22	6 37.66	+19 54.1	1.694	2.630	8.2	21.3
2 1	6 29.90	+20 31.4	1.758	2.631	12.2	21.6
2 11	6 24.91	+21 5.3	1.844	2.630	15.6	21.8

312305 2008 CM_{54} 1 4.1 241.°52 2.°9/ 4.7 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 21.78	+14 4.8	2.103	2.925	12.6	21.4
12 13	7 15.71	+13 59.1	2.012	2.911	9.5	21.2
12 23	7 7.55	+14 1.9	1.945	2.896	6.0	20.9
1 2	6 57.98	+14 12.6	1.906	2.881	3.1	20.7
1 12	6 48.00	+14 30.2	1.898	2.866	4.2	20.8
1 22	6 38.66	+14 53.2	1.919	2.850	7.8	20.9
2 1	6 30.95	+15 19.6	1.966	2.833	11.4	21.1
2 11	6 25.59	+15 48.0	2.037	2.816	14.5	21.3

153812 2001 VJ_{120} 1 4.1 2.°69 1.°7/ 4.2 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 20.42	+20 6.1	1.383	2.239	16.0	19.3
12 13	7 15.37	+19 38.1	1.317	2.238	11.7	19.1
12 23	7 7.54	+19 14.3	1.274	2.237	6.8	18.8
1 2	6 57.97	+18 54.3	1.257	2.238	2.1	18.5
1 12	6 48.15	+18 37.8	1.266	2.240	4.6	18.7
1 22	6 39.56	+18 24.5	1.300	2.243	9.5	19.0
2 1	6 33.43	+18 14.8	1.359	2.246	14.1	19.2
2 11	6 30.49	+18 8.2	1.438	2.251	17.9	19.5

218732 2005 UK_{275} 1 4.1 32.°80 0.°1/ 4.1 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 22.03	+22 41.4	1.698	2.544	14.0	20.2
12 13	7 16.15	+22 46.7	1.632	2.548	10.1	19.9
12 23	7 7.84	+22 54.2	1.589	2.552	5.7	19.7
1 2	6 58.02	+23 1.6	1.574	2.557	1.0	19.4
1 12	6 47.98	+23 6.6	1.588	2.562	3.8	19.6
1 22	6 39.02	+23 8.4	1.629	2.567	8.3	19.9
2 1	6 32.22	+23 7.2	1.696	2.573	12.3	20.1
2 11	6 28.25	+23 3.7	1.784	2.578	15.7	20.4

309353 2007 TH_{56} 1 4.1 80.°46 3.°6/ 4.7 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 23.50	+14 20.9	1.571	2.405	15.5	21.1
12 13	7 17.15	+13 59.0	1.512	2.418	11.6	20.9
12 23	7 8.35	+13 47.1	1.477	2.431	7.3	20.7
1 2	6 58.10	+13 45.2	1.468	2.443	3.9	20.5
1 12	6 47.72	+13 52.4	1.488	2.456	5.1	20.6
1 22	6 38.53	+14 6.8	1.535	2.469	9.1	20.9
2 1	6 31.58	+14 26.6	1.606	2.481	13.0	21.2
2 11	6 27.52	+14 49.6	1.699	2.494	16.3	21.4

285138 1995 SZ_{81} 1 4.1 274.°14 0.°1/ 4.1 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 21.35	+21 36.6	1.941	2.780	12.8	21.4
12 13	7 15.49	+21 48.6	1.866	2.779	9.3	21.2
12 23	7 7.43	+22 3.9	1.816	2.777	5.3	20.9
1 2	6 57.96	+22 20.1	1.793	2.776	0.9	20.6
1 12	6 48.20	+22 35.0	1.800	2.774	3.5	20.8
1 22	6 39.31	+22 47.1	1.836	2.773	7.7	21.1
2 1	6 32.29	+22 56.2	1.899	2.772	11.4	21.3
2 11	6 27.82	+23 2.4	1.984	2.770	14.6	21.5

394807 2008 RK_{107} 1 4.1 137.°97 5.°5/ 5.2 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 24.76	+ 8 32.9	1.748	2.559	15.2	21.7
12 13	7 17.88	+ 8 5.8	1.685	2.571	11.8	21.5
12 23	7 8.71	+ 7 53.0	1.644	2.582	8.3	21.3
1 2	6 58.17	+ 7 55.5	1.631	2.593	5.8	21.2
1 12	6 47.47	+ 8 12.7	1.647	2.603	6.4	21.2
1 22	6 37.80	+ 8 42.2	1.690	2.612	9.4	21.4
2 1	6 30.17	+ 9 20.8	1.760	2.621	12.8	21.7
2 11	6 25.22	+10 4.7	1.851	2.629	15.8	21.9

229674 2006 YK_{23} 1 4.1 192.°47 1.°4/ 3.8 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 27.19	+24 48.9	1.558	2.401	15.2	21.1
12 13	7 20.26	+25 14.7	1.486	2.401	11.1	20.9
12 23	7 10.35	+25 41.9	1.437	2.399	6.3	20.6
1 2	6 58.49	+26 5.9	1.416	2.398	1.7	20.3
1 12	6 46.22	+26 22.6	1.423	2.395	4.5	20.5
1 22	6 35.14	+26 30.6	1.458	2.393	9.4	20.7
2 1	6 26.61	+26 30.6	1.518	2.389	13.8	21.0
2 11	6 21.46	+26 25.0	1.598	2.386	17.5	21.2

105417 2000 QL_{163} 1 4.1 141.°29 2.°4/ 4.5 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 25.45	+16 11.7	1.946	2.769	13.4	21.1
12 13	7 18.21	+15 58.9	1.881	2.783	9.9	20.9
12 23	7 8.84	+15 52.6	1.840	2.795	6.0	20.7
1 2	6 58.20	+15 52.2	1.829	2.806	2.7	20.5
1 12	6 47.43	+15 56.6	1.847	2.817	4.1	20.7
1 22	6 37.66	+16 4.7	1.895	2.827	7.8	20.9
2 1	6 29.84	+16 15.5	1.970	2.836	11.4	21.1
2 11	6 24.57	+16 28.2	2.068	2.845	14.4	21.4

124120 2001 KR_2 1 4.1 129.°07 0.°9/ 3.8 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 28.38	+23 25.1	1.830	2.661	13.8	20.9
12 13	7 20.53	+24 2.5	1.771	2.681	9.9	20.7
12 23	7 10.23	+24 41.9	1.738	2.699	5.6	20.5
1 2	6 58.44	+25 18.7	1.734	2.716	1.3	20.2
1 12	6 46.52	+25 49.3	1.760	2.732	3.9	20.5
1 22	6 35.77	+26 11.8	1.816	2.748	8.1	20.8
2 1	6 27.27	+26 26.5	1.899	2.762	11.9	21.0
2 11	6 21.68	+26 35.0	2.004	2.776	15.0	21.3

437374 2013 VC_{20} 1 4.1 232.°48 13.°1/29.3 16

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 36.24	+41 53.2	1.200	2.037	19.2	20.3
12 13	7 29.37	+45 19.1	1.147	2.035	16.0	20.1
12 23	7 16.91	+48 34.4	1.117	2.034	13.6	20.0
1 2	6 59.82	+51 15.9	1.112	2.032	13.3	19.9
1 12	6 40.77	+53 6.1	1.132	2.030	15.2	20.0
1 22	6 23.34	+54 0.5	1.173	2.028	18.2	20.2
2 1	6 10.67	+54 7.7	1.233	2.026	21.3	20.4
2 11	6 4.40	+53 42.5	1.308	2.024	24.1	20.6

131058 2000 YE_{58} 1 4.1 63.°00 0.°7/ 4.2 17

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 25.25	+20 16.6	1.389	2.238	16.4	19.4
12 13	7 18.63	+20 26.3	1.342	2.259	11.8	19.2
12 23	7 9.24	+20 41.6	1.318	2.281	6.7	19.0
1 2	6 58.26	+20 59.4	1.320	2.303	1.4	18.7
1 12	6 47.29	+21 16.7	1.350	2.325	4.2	19.0
1 22	6 37.80	+21 31.8	1.407	2.347	9.2	19.3
2 1	6 30.94	+21 44.1	1.488	2.369	13.5	19.6
2 11	6 27.34	+21 53.8	1.590	2.391	17.0	19.9

94246 2001 CP_{15} 1 4.1 217.°76 2.°6/ 3.5 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 20.23	+31 49.0	2.718	3.547	9.9	19.5
12 13	7 14.25	+32 5.0	2.641	3.546	7.3	19.3
12 23	7 6.55	+32 16.6	2.591	3.545	4.6	19.1
1 2	6 57.81	+32 21.1	2.571	3.544	2.7	19.0
1 12	6 48.91	+32 16.9	2.581	3.543	3.8	19.1
1 22	6 40.72	+32 3.8	2.621	3.542	6.5	19.2
2 1	6 34.00	+31 43.1	2.688	3.541	9.2	19.4
2 11	6 29.31	+31 16.9	2.779	3.540	11.5	19.6

431151 2006 QO_{157} 1 4.1 104.°42 3.°3/ 5.2 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 17.94	+10 56.3	2.496	3.307	11.2	21.5
12 13	7 12.51	+10 55.3	2.426	3.317	8.5	21.3
12 23	7 5.54	+11 3.7	2.382	3.326	5.7	21.1
1 2	6 57.64	+11 21.1	2.367	3.335	3.5	21.0
1 12	6 49.61	+11 46.4	2.382	3.344	4.1	21.1
1 22	6 42.21	+12 17.8	2.426	3.353	6.6	21.3
2 1	6 36.15	+12 53.2	2.498	3.362	9.4	21.4
2 11	6 31.92	+13 30.5	2.594	3.371	11.8	21.6

357586 2004 VH_{10} 1 4.1 53.°83 1.°0/ 4.3 17

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 24.93	+19 44.5	1.260	2.114	17.4	20.8
12 13	7 18.61	+19 54.4	1.215	2.134	12.6	20.6
12 23	7 9.32	+20 11.2	1.191	2.155	7.2	20.4
1 2	6 58.31	+20 31.8	1.193	2.176	1.6	20.1
1 12	6 47.29	+20 52.6	1.222	2.197	4.5	20.3
1 22	6 37.87	+21 11.5	1.277	2.219	9.7	20.7
2 1	6 31.26	+21 27.7	1.355	2.241	14.3	21.0
2 11	6 28.09	+21 41.0	1.454	2.263	17.9	21.3

358515 2007 RQ_{294} 1 4.1 184.°54 2.°8/ 3.5 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 26.45	+28 52.4	1.802	2.640	13.7	22.1
12 13	7 19.47	+29 25.8	1.730	2.641	10.0	21.8
12 23	7 9.81	+29 56.5	1.682	2.641	6.0	21.6
1 2	6 58.42	+30 19.8	1.663	2.640	2.9	21.4
1 12	6 46.70	+30 31.7	1.672	2.639	4.9	21.5
1 22	6 36.07	+30 31.5	1.710	2.638	8.9	21.8
2 1	6 27.74	+30 20.9	1.774	2.636	12.7	22.0
2 11	6 22.48	+30 3.0	1.859	2.634	15.9	22.2

375362 2008 SW_{119} 1 4.1 31.°51 1.°1/ 4.4 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 20.00	+19 2.2	2.068	2.904	12.3	21.3
12 13	7 14.36	+19 5.2	1.995	2.905	9.0	21.1
12 23	7 6.74	+19 12.9	1.946	2.906	5.2	20.9
1 2	6 57.87	+19 24.0	1.926	2.907	1.5	20.6
1 12	6 48.78	+19 36.8	1.935	2.908	3.4	20.8
1 22	6 40.49	+19 49.9	1.973	2.910	7.2	21.0
2 1	6 33.90	+20 2.6	2.038	2.911	10.8	21.2
2 11	6 29.62	+20 14.4	2.126	2.913	13.8	21.4

31962 2000 GE_{153} 1 4.1 237.°60 2.°6/ 4.5 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 22.29	+15 49.3	2.037	2.863	12.8	19.4
12 13	7 16.11	+15 30.9	1.950	2.853	9.6	19.2
12 23	7 7.79	+15 18.8	1.888	2.842	5.9	18.9
1 2	6 58.07	+15 12.8	1.854	2.831	2.9	18.7
1 12	6 48.00	+15 12.5	1.850	2.819	4.2	18.8
1 22	6 38.67	+15 17.0	1.875	2.807	7.9	19.0
2 1	6 31.06	+15 25.5	1.927	2.795	11.5	19.2
2 11	6 25.87	+15 36.8	2.002	2.782	14.7	19.4

463600 2013 SP_{48} 1 4.1 75.°11 4.°7/ 3.1 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 24.99	+36 9.8	2.145	2.972	12.2	20.9
12 13	7 18.01	+36 49.3	2.093	2.991	9.2	20.7
12 23	7 8.76	+37 20.1	2.066	3.010	6.4	20.6
1 2	6 58.21	+37 37.6	2.068	3.029	4.8	20.5
1 12	6 47.60	+37 39.1	2.098	3.047	5.8	20.6
1 22	6 38.14	+37 25.1	2.157	3.066	8.4	20.8
2 1	6 30.80	+36 58.3	2.242	3.084	11.1	21.0
2 11	6 26.16	+36 23.0	2.349	3.103	13.5	21.2

62296 2000 SU_{115} 1 4.1 1.°79 4.°9/ 3.1 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 25.44	+31 40.6	1.387	2.240	16.1	18.9
12 13	7 19.46	+32 35.8	1.324	2.240	12.0	18.7
12 23	7 10.10	+33 26.5	1.283	2.239	7.8	18.4
1 2	6 58.50	+34 4.4	1.267	2.239	5.0	18.3
1 12	6 46.46	+34 23.9	1.278	2.240	6.9	18.4
1 22	6 35.85	+34 23.7	1.314	2.241	11.1	18.6
2 1	6 28.19	+34 6.7	1.374	2.242	15.3	18.9
2 11	6 24.35	+33 38.5	1.453	2.243	18.8	19.1

18256 4195 $T\text{-}2$ 1 4.1 131.°57 0.°8/ 4.3 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 21.75	+19 21.6	2.028	2.862	12.5	19.1
12 13	7 15.64	+19 35.9	1.958	2.867	9.1	18.9
12 23	7 7.46	+19 55.2	1.913	2.873	5.2	18.6
1 2	6 58.01	+20 17.3	1.897	2.879	1.3	18.4
1 12	6 48.34	+20 40.1	1.911	2.884	3.4	18.5
1 22	6 39.52	+21 1.6	1.953	2.889	7.3	18.8
2 1	6 32.48	+21 21.1	2.023	2.894	10.9	19.0
2 11	6 27.87	+21 38.1	2.116	2.899	13.9	19.2

78700 2002 TB_{173} 1 4.1 79.°77 4.°4/ 2.9 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 23.41	+34 19.8	2.165	2.997	11.9	19.8
12 13	7 16.95	+35 10.5	2.105	3.007	9.0	19.6
12 23	7 8.24	+35 54.8	2.070	3.018	6.1	19.5
1 2	6 58.14	+36 27.8	2.064	3.028	4.4	19.4
1 12	6 47.84	+36 45.9	2.086	3.038	5.6	19.5
1 22	6 38.52	+36 48.7	2.137	3.049	8.3	19.6
2 1	6 31.19	+36 38.0	2.214	3.059	11.2	19.8
2 11	6 26.50	+36 17.4	2.314	3.069	13.7	20.0

50646 2000 EA_{88} 1 4.1 296.°87 4.°8/ 4.5 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 21.85	+13 14.0	1.639	2.472	15.1	19.2
12 13	7 16.27	+12 24.3	1.549	2.452	11.6	18.9
12 23	7 8.11	+11 42.6	1.483	2.432	7.8	18.6
1 2	6 58.16	+11 10.9	1.442	2.413	4.9	18.4
1 12	6 47.69	+10 50.8	1.430	2.393	6.1	18.4
1 22	6 38.02	+10 42.6	1.444	2.374	10.0	18.6
2 1	6 30.39	+10 45.2	1.483	2.355	14.1	18.8
2 11	6 25.66	+10 56.6	1.543	2.336	17.8	19.0

219375 2000 SH_{49} 1 4.1 105.°42 0.°2/ 4.1 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 23.27	+23 33.0	1.937	2.775	12.9	20.4
12 13	7 16.79	+23 31.2	1.870	2.782	9.3	20.2
12 23	7 8.12	+23 30.1	1.828	2.789	5.3	20.0
1 2	6 58.12	+23 27.7	1.814	2.796	0.9	19.7
1 12	6 47.99	+23 22.3	1.830	2.803	3.5	19.9
1 22	6 38.85	+23 13.9	1.874	2.810	7.6	20.2
2 1	6 31.69	+23 3.0	1.946	2.817	11.3	20.4
2 11	6 27.12	+22 50.9	2.040	2.824	14.4	20.6

281069 2006 OO_{10} 1 4.1 118.°32 5.°4/ 6.4 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 17.62	+ 2 11.5	2.754	3.527	11.3	20.8
12 13	7 12.13	+ 2 6.5	2.687	3.541	9.1	20.7
12 23	7 5.28	+ 2 15.1	2.645	3.555	7.0	20.6
1 2	6 57.62	+ 2 37.9	2.630	3.568	5.5	20.5
1 12	6 49.86	+ 3 14.0	2.646	3.581	5.7	20.5
1 22	6 42.67	+ 4 1.3	2.690	3.593	7.2	20.7
2 1	6 36.67	+ 4 56.9	2.762	3.606	9.3	20.8
2 11	6 32.32	+ 5 57.2	2.859	3.618	11.3	21.0

288678 2004 PU_{83} 1 4.1 110.°78 3.°6/ 5.2 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 20.62	+10 53.7	2.150	2.964	12.7	20.6
12 13	7 14.61	+10 57.1	2.086	2.978	9.6	20.4
12 23	7 6.79	+11 11.6	2.046	2.991	6.3	20.2
1 2	6 57.89	+11 36.4	2.035	3.004	3.8	20.1
1 12	6 48.85	+12 9.8	2.053	3.017	4.5	20.2
1 22	6 40.60	+12 49.4	2.101	3.029	7.4	20.4
2 1	6 33.95	+13 32.6	2.176	3.041	10.5	20.6
2 11	6 29.47	+14 16.8	2.274	3.053	13.2	20.8

192458 1998 DG_{1} 1 4.1 16.°19 13.°0/ 2.7 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 26.21	+49 40.7	1.287	2.114	18.7	18.1
12 13	7 20.79	+51 9.4	1.256	2.129	16.0	18.0
12 23	7 11.02	+52 11.2	1.245	2.145	13.9	17.9
1 2	6 58.64	+52 35.2	1.254	2.164	13.0	17.9
1 12	6 46.27	+52 17.2	1.285	2.184	13.7	18.0
1 22	6 36.33	+51 21.3	1.338	2.206	15.5	18.2
2 1	6 30.42	+49 57.4	1.410	2.230	17.7	18.4
2 11	6 29.09	+48 16.8	1.500	2.255	19.9	18.6

412197 2013 GV_{101} 1 4.1 215.°08 3.°1/ 4.7 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 22.27	+14 3.2	2.074	2.895	12.8	21.7
12 13	7 16.03	+13 49.5	1.990	2.889	9.6	21.5
12 23	7 7.72	+13 43.9	1.931	2.882	6.1	21.3
1 2	6 58.08	+13 46.1	1.901	2.875	3.3	21.1
1 12	6 48.11	+13 55.4	1.900	2.867	4.4	21.2
1 22	6 38.88	+14 10.5	1.928	2.859	7.8	21.4
2 1	6 31.33	+14 29.9	1.984	2.850	11.3	21.6
2 11	6 26.13	+14 52.1	2.062	2.841	14.4	21.8

401835 1999 TC_{263} 1 4.1 175.°67 3.°8/ 3.2 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 26.69	+31 29.0	1.865	2.701	13.4	21.5
12 13	7 19.64	+32 12.3	1.795	2.702	9.9	21.3
12 23	7 9.91	+32 51.1	1.749	2.704	6.3	21.1
1 2	6 58.47	+33 19.7	1.732	2.704	3.8	20.9
1 12	6 46.69	+33 34.0	1.744	2.705	5.5	21.0
1 22	6 36.01	+33 33.4	1.784	2.705	9.0	21.2
2 1	6 27.64	+33 19.8	1.850	2.705	12.6	21.4
2 11	6 22.32	+32 57.2	1.937	2.704	15.6	21.6

460303 2014 QZ_{371} 1 4.1 64.°08 4.°3/ 3.2 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 25.58	+31 44.6	1.638	2.482	14.5	21.5
12 13	7 18.97	+32 35.6	1.584	2.495	10.8	21.3
12 23	7 9.53	+33 21.3	1.554	2.509	6.9	21.1
1 2	6 58.39	+33 55.1	1.551	2.523	4.3	20.9
1 12	6 47.07	+34 12.7	1.576	2.537	6.0	21.1
1 22	6 37.10	+34 13.8	1.628	2.551	9.6	21.3
2 1	6 29.69	+34 0.8	1.705	2.565	13.2	21.6
2 11	6 25.53	+33 38.1	1.803	2.580	16.2	21.8

320212 2007 HH_{32} 1 4.1 103.°49 0.°9/ 3.9 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 22.05	+24 40.3	2.013	2.851	12.4	21.3
12 13	7 15.94	+24 58.0	1.943	2.855	9.0	21.1
12 23	7 7.67	+25 16.4	1.898	2.859	5.1	20.9
1 2	6 58.06	+25 32.4	1.881	2.863	1.2	20.6
1 12	6 48.24	+25 43.7	1.894	2.867	3.6	20.8
1 22	6 39.32	+25 49.2	1.936	2.871	7.5	21.1
2 1	6 32.28	+25 49.4	2.005	2.874	11.1	21.3
2 11	6 27.76	+25 45.4	2.097	2.878	14.1	21.5

416844 2005 LU_{21} 1 4.1 191.°43 2.°8/ 5.0 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 21.80	+12 38.4	2.134	2.951	12.6	21.7
12 13	7 15.65	+13 1.0	2.053	2.950	9.5	21.5
12 23	7 7.50	+13 34.5	1.998	2.948	6.0	21.3
1 2	6 58.05	+14 17.4	1.971	2.946	3.0	21.1
1 12	6 48.26	+15 7.1	1.974	2.943	4.0	21.2
1 22	6 39.17	+16 0.5	2.008	2.940	7.4	21.4
2 1	6 31.69	+16 54.7	2.069	2.937	10.9	21.6
2 11	6 26.49	+17 47.3	2.154	2.933	13.9	21.8

253224 2002 YA_{6} 1 4.1 356.°51 0.°5/ 4.2 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 20.01	+19 12.4	1.404	2.259	15.8	19.9
12 13	7 15.23	+19 48.1	1.336	2.256	11.6	19.6
12 23	7 7.61	+20 33.3	1.290	2.254	6.6	19.3
1 2	6 58.09	+21 24.1	1.269	2.252	1.3	19.0
1 12	6 48.13	+22 15.4	1.276	2.251	4.3	19.2
1 22	6 39.25	+23 3.0	1.309	2.251	9.5	19.5
2 1	6 32.78	+23 44.4	1.366	2.252	14.1	19.7
2 11	6 29.57	+24 18.8	1.443	2.254	17.9	20.0

115014 2003 QL_{79} 1 4.1 71.°04 7.°6/ 3.7 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 33.21	+41 13.3	1.514	2.342	16.4	19.4
12 13	7 24.74	+41 41.0	1.464	2.356	12.9	19.2
12 23	7 12.81	+41 51.3	1.437	2.371	9.5	19.1
1 2	6 58.95	+41 36.8	1.434	2.386	7.6	19.0
1 12	6 45.22	+40 55.1	1.458	2.401	8.6	19.1
1 22	6 33.53	+39 49.9	1.509	2.416	11.5	19.3
2 1	6 25.22	+38 29.1	1.584	2.431	14.7	19.6
2 11	6 20.88	+37 1.5	1.679	2.446	17.6	19.8

519550 2012 QN_{53} 1 4.1 118.°60 5.°4/ 2.6 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 25.95	+42 37.7	2.917	3.717	10.0	21.8
12 13	7 18.38	+43 20.9	2.863	3.735	8.0	21.7
12 23	7 8.89	+43 53.4	2.836	3.753	6.3	21.6
1 2	6 58.27	+44 11.1	2.837	3.770	5.4	21.6
1 12	6 47.58	+44 11.9	2.867	3.787	6.1	21.7
1 22	6 37.81	+43 56.4	2.927	3.803	7.7	21.8
2 1	6 29.83	+43 27.1	3.013	3.819	9.6	21.9
2 11	6 24.18	+42 47.8	3.122	3.834	11.3	22.1

37973 1998 HG_{106} 1 4.1 129.°83 0.°9/ 4.4 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 21.52	+18 11.4	2.241	3.068	11.7	19.1
12 13	7 15.31	+18 40.2	2.173	3.079	8.5	18.9
12 23	7 7.24	+19 15.0	2.130	3.089	4.9	18.7
1 2	6 58.01	+19 53.2	2.117	3.099	1.3	18.5
1 12	6 48.58	+20 32.1	2.135	3.108	3.1	18.6
1 22	6 39.92	+21 9.4	2.183	3.118	6.8	18.9
2 1	6 32.87	+21 43.5	2.258	3.126	10.1	19.1
2 11	6 28.02	+22 14.0	2.358	3.135	12.9	19.3

388024 2005 ST_{46} 1 4.1 192.°82 2.°3/ 3.7 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 28.23	+27 41.2	1.719	2.557	14.2	21.6
12 13	7 20.88	+28 8.8	1.644	2.555	10.4	21.4
12 23	7 10.69	+28 34.6	1.594	2.554	6.2	21.1
1 2	6 58.65	+28 53.7	1.572	2.551	2.5	20.9
1 12	6 46.22	+29 2.4	1.578	2.548	4.7	21.0
1 22	6 34.93	+28 59.9	1.614	2.544	9.1	21.3
2 1	6 26.06	+28 47.8	1.675	2.539	13.2	21.5
2 11	6 20.44	+28 29.5	1.757	2.534	16.6	21.7

227952 2007 GY_{60} 1 4.1 340.°88 1.°8/ 4.4 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 21.05	+18 10.9	1.940	2.775	13.0	20.2
12 13	7 15.23	+17 58.5	1.866	2.775	9.5	20.0
12 23	7 7.30	+17 51.3	1.816	2.774	5.7	19.8
1 2	6 58.03	+17 48.3	1.794	2.774	2.1	19.5
1 12	6 48.53	+17 48.8	1.801	2.773	3.8	19.6
1 22	6 39.90	+17 51.7	1.836	2.773	7.7	19.9
2 1	6 33.07	+17 56.5	1.899	2.772	11.4	20.1
2 11	6 28.71	+18 2.6	1.983	2.772	14.5	20.3

445899 2012 VA_{82} 1 4.1 141.°30 3.°2/ 3.4 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 28.81	+28 37.8	1.637	2.477	14.7	21.4
12 13	7 21.35	+29 29.0	1.575	2.487	10.8	21.1
12 23	7 10.95	+30 18.2	1.538	2.496	6.5	20.9
1 2	6 58.70	+30 58.8	1.528	2.505	3.3	20.7
1 12	6 46.15	+31 26.0	1.547	2.513	5.4	20.9
1 22	6 34.89	+31 38.2	1.594	2.520	9.5	21.1
2 1	6 26.23	+31 37.3	1.666	2.527	13.4	21.4
2 11	6 20.94	+31 27.0	1.759	2.533	16.7	21.6

5172 Yoshiyuki 1 4.1 65.°04 1.°8/ 4.3 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 26.47	+19 23.8	1.302	2.151	17.2	17.1
12 13	7 19.64	+19 4.2	1.254	2.170	12.5	16.9
12 23	7 9.89	+18 50.5	1.228	2.189	7.3	16.7
1 2	6 58.48	+18 41.5	1.227	2.208	2.3	16.4
1 12	6 47.10	+18 35.8	1.254	2.227	4.7	16.6
1 22	6 37.31	+18 32.9	1.307	2.247	9.7	17.0
2 1	6 30.30	+18 32.3	1.384	2.266	14.2	17.3
2 11	6 26.71	+18 33.8	1.481	2.286	17.9	17.6

312525 2009 DS_{73} 1 4.1 218.°87 0.°0/ 3.9 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 23.47	+20 50.6	1.816	2.654	13.6	20.8
12 13	7 17.28	+21 25.0	1.737	2.649	9.9	20.6
12 23	7 8.62	+22 5.1	1.683	2.645	5.6	20.3
1 2	6 58.30	+22 47.4	1.657	2.640	1.0	20.0
1 12	6 47.55	+23 27.9	1.661	2.635	3.7	20.2
1 22	6 37.67	+24 3.6	1.693	2.629	8.3	20.4
2 1	6 29.80	+24 33.4	1.752	2.624	12.3	20.6
2 11	6 24.73	+24 57.3	1.833	2.618	15.7	20.9

302250 2001 XD_{33} 1 4.1 86.°93 3.°2/ 3.8 16

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 38.86	+23 33.5	0.998	1.850	21.0	19.8
12 13	7 29.13	+21 29.7	0.946	1.863	15.4	19.5
12 23	7 15.38	+19 19.2	0.914	1.876	9.0	19.2
1 2	6 59.44	+17 7.3	0.908	1.889	3.4	18.9
1 12	6 43.81	+15 3.2	0.930	1.901	6.7	19.1
1 22	6 30.74	+13 15.8	0.978	1.914	12.8	19.5
2 1	6 21.69	+11 50.8	1.048	1.926	18.1	19.9
2 11	6 17.19	+10 48.0	1.136	1.938	22.4	20.2

32189 2000 NT_{25} 1 4.1 141.°44 1.°2/ 3.9 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 23.51	+25 22.9	2.006	2.843	12.5	19.3
12 13	7 17.02	+25 41.0	1.937	2.848	9.1	19.1
12 23	7 8.31	+25 59.1	1.892	2.853	5.2	18.9
1 2	6 58.24	+26 13.9	1.876	2.858	1.4	18.6
1 12	6 47.95	+26 23.1	1.890	2.862	3.7	18.8
1 22	6 38.61	+26 25.7	1.934	2.867	7.6	19.1
2 1	6 31.20	+26 22.5	2.003	2.871	11.2	19.3
2 11	6 26.38	+26 15.0	2.096	2.874	14.2	19.5

265869 2005 YQ_{198} 1 4.1 89.°32 0.°5/ 4.2 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 22.04	+20 51.2	1.962	2.798	12.8	21.2
12 13	7 15.89	+20 58.8	1.897	2.809	9.3	21.0
12 23	7 7.64	+21 9.8	1.858	2.819	5.3	20.7
1 2	6 58.13	+21 22.3	1.847	2.830	1.1	20.5
1 12	6 48.48	+21 34.3	1.866	2.840	3.4	20.7
1 22	6 39.76	+21 44.5	1.914	2.850	7.4	20.9
2 1	6 32.92	+21 52.5	1.988	2.861	11.0	21.2
2 11	6 28.56	+21 58.7	2.085	2.871	14.0	21.4

473810 2016 EF_{110} 1 4.1 300.°30 1.°5/ 3.7 16

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 21.74	+25 5.3	1.797	2.642	13.4	21.6
12 13	7 16.19	+25 37.8	1.713	2.629	9.8	21.3
12 23	7 8.09	+26 12.2	1.653	2.616	5.6	21.0
1 2	6 58.25	+26 44.6	1.621	2.602	1.7	20.7
1 12	6 47.91	+27 10.9	1.618	2.589	4.2	20.9
1 22	6 38.40	+27 29.1	1.642	2.577	8.6	21.1
2 1	6 30.94	+27 39.1	1.692	2.564	12.6	21.3
2 11	6 26.35	+27 42.1	1.763	2.552	16.1	21.5

124487 2001 RT_{27} 1 4.1 210.°29 3.°4/ 4.9 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 23.95	+13 16.7	1.642	2.471	15.2	20.1
12 13	7 17.73	+13 19.6	1.565	2.467	11.5	19.8
12 23	7 8.92	+13 34.6	1.511	2.463	7.3	19.6
1 2	6 58.40	+14 0.9	1.483	2.459	3.7	19.4
1 12	6 47.45	+14 36.3	1.485	2.454	5.0	19.4
1 22	6 37.42	+15 17.6	1.514	2.449	9.2	19.7
2 1	6 29.52	+16 1.8	1.569	2.443	13.3	19.9
2 11	6 24.55	+16 46.1	1.645	2.437	16.9	20.1

89732 2001 YE_{146} 1 4.1 107.°82 0.°4/ 4.0 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 28.32	+23 15.9	1.714	2.549	14.4	20.3
12 13	7 20.53	+23 29.8	1.661	2.572	10.4	20.1
12 23	7 10.27	+23 45.0	1.633	2.594	5.8	19.9
1 2	6 58.60	+23 58.1	1.633	2.616	1.1	19.6
1 12	6 46.91	+24 6.8	1.663	2.636	3.8	19.9
1 22	6 36.54	+24 10.2	1.722	2.657	8.3	20.2
2 1	6 28.55	+24 9.0	1.807	2.676	12.1	20.5
2 11	6 23.54	+24 4.9	1.915	2.695	15.3	20.7

370404 2002 TM_{267} 1 4.1 75.°02 0.°3/ 4.0 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 23.53	+23 30.4	2.213	3.045	11.7	21.2
12 13	7 16.58	+23 37.8	2.168	3.077	8.4	21.0
12 23	7 7.85	+23 45.8	2.148	3.108	4.7	20.8
1 2	6 58.16	+23 52.2	2.157	3.140	0.9	20.6
1 12	6 48.53	+23 55.5	2.197	3.171	3.1	20.8
1 22	6 39.93	+23 55.3	2.268	3.201	6.6	21.1
2 1	6 33.10	+23 52.1	2.366	3.231	9.7	21.4
2 11	6 28.54	+23 46.7	2.487	3.261	12.3	21.6

497112 2004 EH 1 4.1 236.°53 7.°9/ 6.9 17

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 20.81	− 6 45.1	2.873	3.589	12.1	23.0
12 13	7 14.61	− 7 4.8	2.771	3.569	10.5	22.8
12 23	7 6.85	− 7 7.0	2.691	3.547	9.0	22.7
1 2	6 58.02	− 6 49.1	2.639	3.525	8.0	22.6
1 12	6 48.85	− 6 10.4	2.614	3.502	8.0	22.6
1 22	6 40.06	− 5 12.7	2.618	3.477	9.1	22.6
2 1	6 32.38	− 3 59.1	2.649	3.452	10.8	22.7
2 11	6 26.38	− 2 34.4	2.704	3.426	12.7	22.8

69417 1995 WV_{35} 1 4.1 54.°76 0.°1/ 4.1 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 17.62	+22 2.1	2.699	3.531	9.8	19.2
12 13	7 12.22	+22 10.0	2.642	3.551	7.1	19.1
12 23	7 5.39	+22 19.7	2.610	3.571	4.0	18.9
1 2	6 57.74	+22 29.5	2.608	3.591	0.7	18.7
1 12	6 50.04	+22 38.2	2.637	3.611	2.6	18.9
1 22	6 43.02	+22 45.1	2.696	3.631	5.6	19.1
2 1	6 37.32	+22 49.8	2.783	3.651	8.4	19.3
2 11	6 33.40	+22 52.7	2.895	3.672	10.7	19.5

461460 2002 QO_{17} 1 4.1 141.°93 0.°3/ 4.2 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 20.55	+20 45.4	2.779	3.603	9.8	22.5
12 13	7 14.33	+20 57.9	2.710	3.615	7.1	22.4
12 23	7 6.61	+21 12.9	2.667	3.626	4.0	22.2
1 2	6 57.98	+21 28.7	2.655	3.637	0.8	22.0
1 12	6 49.23	+21 43.8	2.674	3.647	2.6	22.1
1 22	6 41.12	+21 57.1	2.724	3.657	5.7	22.3
2 1	6 34.34	+22 8.4	2.803	3.666	8.5	22.5
2 11	6 29.37	+22 17.6	2.907	3.675	10.9	22.7

373979 2003 YM_{132} 1 4.1 344.°10 4.°7/ 3.5 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 24.35	+35 54.4	1.952	2.785	13.0	20.2
12 13	7 17.91	+36 11.3	1.879	2.781	9.9	20.0
12 23	7 8.95	+36 19.0	1.830	2.777	6.7	19.8
1 2	6 58.41	+36 12.8	1.808	2.774	4.7	19.7
1 12	6 47.66	+35 50.4	1.815	2.771	5.9	19.8
1 22	6 38.03	+35 12.8	1.850	2.768	9.0	20.0
2 1	6 30.66	+34 23.4	1.911	2.766	12.2	20.1
2 11	6 26.22	+33 27.0	1.993	2.764	15.1	20.3

236078 2005 JF_{150} 1 4.1 183.°61 1.°7/ 4.6 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 18.55	+16 12.3	2.697	3.518	10.2	21.6
12 13	7 12.99	+16 16.8	2.617	3.518	7.5	21.5
12 23	7 5.90	+16 26.8	2.563	3.518	4.5	21.3
1 2	6 57.87	+16 41.4	2.539	3.517	1.9	21.1
1 12	6 49.64	+16 59.3	2.546	3.517	3.0	21.2
1 22	6 41.98	+17 19.3	2.583	3.516	6.0	21.4
2 1	6 35.57	+17 40.2	2.649	3.515	8.8	21.5
2 11	6 30.94	+18 1.2	2.739	3.513	11.3	21.7

502891 2015 DC_{221} 1 4.1 280.°06 1.°9/ 3.7 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 20.52	+28 5.7	2.384	3.219	10.9	20.9
12 13	7 14.71	+28 24.7	2.305	3.215	7.9	20.7
12 23	7 6.99	+28 41.8	2.252	3.211	4.7	20.5
1 2	6 58.07	+28 54.2	2.228	3.207	2.0	20.3
1 12	6 48.91	+28 59.7	2.234	3.203	3.6	20.4
1 22	6 40.47	+28 57.7	2.269	3.198	6.9	20.6
2 1	6 33.64	+28 48.9	2.332	3.194	10.0	20.8
2 11	6 29.01	+28 35.0	2.418	3.190	12.7	21.0

121014 1999 AJ_{22} 1 4.1 9.°30 4.°9/ 2.9 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 23.17	+29 9.4	1.126	1.994	17.9	18.9
12 13	7 18.34	+30 26.2	1.070	1.995	13.3	18.6
12 23	7 9.75	+31 42.4	1.036	1.997	8.3	18.4
1 2	6 58.62	+32 48.0	1.025	2.000	5.0	18.2
1 12	6 46.98	+33 34.5	1.039	2.004	7.4	18.3
1 22	6 36.95	+33 58.6	1.076	2.009	12.2	18.6
2 1	6 30.23	+34 2.4	1.135	2.015	16.8	18.9
2 11	6 27.73	+33 51.1	1.212	2.022	20.7	19.2

248574 2006 BC_{27} 1 4.1 91.°19 1.°2/ 4.4 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 27.27	+17 58.8	1.139	1.993	18.8	20.1
12 13	7 20.87	+18 30.0	1.083	2.002	13.8	19.9
12 23	7 10.97	+19 13.0	1.049	2.012	8.0	19.6
1 2	6 58.82	+20 3.1	1.039	2.021	2.0	19.2
1 12	6 46.33	+20 54.3	1.055	2.030	5.0	19.5
1 22	6 35.44	+21 41.7	1.097	2.039	10.8	19.8
2 1	6 27.69	+22 23.0	1.161	2.048	16.0	20.1
2 11	6 23.91	+22 57.4	1.245	2.057	20.2	20.4

178126 2006 TZ_{38} 1 4.1 215.°66 2.°8/ 3.4 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 25.02	+29 9.5	2.046	2.881	12.4	20.9
12 13	7 18.34	+29 50.3	1.966	2.875	9.1	20.7
12 23	7 9.24	+30 29.2	1.912	2.869	5.6	20.4
1 2	6 58.52	+31 1.4	1.886	2.862	2.9	20.3
1 12	6 47.39	+31 23.0	1.890	2.855	4.6	20.4
1 22	6 37.12	+31 32.8	1.923	2.847	8.3	20.6
2 1	6 28.83	+31 31.5	1.982	2.839	11.7	20.8
2 11	6 23.29	+31 21.8	2.064	2.831	14.8	21.0

152244 2005 SD_{88} 1 4.1 32.°63 5.°6/ 3.2 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 27.27	+32 44.5	1.222	2.079	17.6	19.3
12 13	7 21.10	+33 38.0	1.168	2.084	13.2	19.1
12 23	7 11.18	+34 24.4	1.134	2.090	8.6	18.9
1 2	6 58.88	+34 54.6	1.125	2.096	5.7	18.7
1 12	6 46.25	+35 3.0	1.141	2.103	7.6	18.8
1 22	6 35.39	+34 49.3	1.182	2.110	11.9	19.1
2 1	6 27.90	+34 18.5	1.246	2.118	16.2	19.4
2 11	6 24.58	+33 37.1	1.327	2.126	19.9	19.6

230793 2004 BQ_{139} 1 4.1 229.°93 0.°9/ 4.4 18

12 3	7 19.17	+18 30.1	2.516	3.343	10.6	20.7
12 13	7 13.62	+18 48.3	2.431	3.337	7.8	20.5
12 23	7 6.36	+19 11.6	2.372	3.330	4.5	20.3
1 2	6 58.00	+19 38.3	2.342	3.324	1.3	20.0
1 12	6 49.37	+20 6.3	2.344	3.317	2.9	20.2
1 22	6 41.30	+20 34.0	2.375	3.310	6.3	20.4
2 1	6 34.59	+21 0.1	2.435	3.303	9.4	20.6
2 11	6 29.82	+21 24.0	2.518	3.295	12.1	20.7

422608 2014 TL_{74} 1 4.1 54.°97 2.°4/ 4.8 18

12 3	7 20.94	+15 22.8	1.770	2.604	14.0	21.0
12 13	7 15.31	+15 30.8	1.704	2.611	10.4	20.8
12 23	7 7.45	+15 48.2	1.662	2.618	6.3	20.6
1 2	6 58.20	+16 13.5	1.647	2.626	2.7	20.4
1 12	6 48.73	+16 44.3	1.661	2.633	4.1	20.5
1 22	6 40.20	+17 18.1	1.703	2.641	8.1	20.7
2 1	6 33.60	+17 52.7	1.771	2.648	11.9	21.0
2 11	6 29.61	+18 26.1	1.862	2.656	15.1	21.2

374609 2006 DH_{150} 1 4.1 36.°36 1.°6/ 3.9 18

12 3	7 22.50	+26 51.3	1.932	2.773	12.8	21.0
12 13	7 16.41	+27 1.9	1.862	2.776	9.3	20.8
12 23	7 8.06	+27 10.9	1.818	2.779	5.4	20.6
1 2	6 58.31	+27 15.2	1.801	2.782	1.8	20.3
1 12	6 48.36	+27 13.0	1.814	2.785	3.9	20.5
1 22	6 39.40	+27 3.7	1.855	2.789	7.8	20.7
2 1	6 32.43	+26 48.7	1.922	2.792	11.4	21.0
2 11	6 28.10	+26 29.9	2.012	2.796	14.5	21.2

327359 2005 UL_{243} 1 4.1 52.°48 3.°6/ 3.3 18

12 3	7 24.10	+30 59.4	1.832	2.673	13.4	20.9
12 13	7 17.81	+31 37.7	1.765	2.676	9.9	20.7
12 23	7 8.96	+32 11.8	1.723	2.679	6.2	20.5
1 2	6 58.48	+32 36.5	1.709	2.683	3.6	20.4
1 12	6 47.73	+32 48.3	1.723	2.686	5.3	20.5
1 22	6 38.07	+32 46.3	1.765	2.690	8.8	20.7
2 1	6 30.64	+32 32.6	1.832	2.693	12.4	20.9
2 11	6 26.17	+32 10.5	1.921	2.697	15.4	21.1

134577 1999 SY_{27} 1 4.1 79.°35 10.°4/ 3.6 18

12 3	7 27.98	+ 2 50.2	1.622	2.411	17.2	18.1
12 13	7 20.34	+ 0 26.4	1.563	2.421	14.3	17.9
12 23	7 10.25	− 1 41.7	1.528	2.430	11.7	17.8
1 2	6 58.70	− 3 25.8	1.520	2.440	10.4	17.7
1 12	6 47.01	− 4 40.1	1.540	2.449	11.1	17.8
1 22	6 36.49	− 5 23.4	1.586	2.459	13.2	17.9
2 1	6 28.22	− 5 38.2	1.654	2.469	15.8	18.1
2 11	6 22.84	− 5 30.5	1.742	2.478	18.2	18.3

205445 2001 OJ_{44} 1 4.1 83.°34 2.°0/ 4.6 18

12 3	7 20.33	+16 33.1	2.340	3.164	11.4	19.6
12 13	7 14.30	+16 19.6	2.280	3.183	8.4	19.5
12 23	7 6.64	+16 11.4	2.246	3.201	5.1	19.3
1 2	6 58.04	+16 8.1	2.241	3.219	2.2	19.1
1 12	6 49.40	+16 8.9	2.267	3.237	3.4	19.3
1 22	6 41.55	+16 13.0	2.322	3.255	6.5	19.5
2 1	6 35.22	+16 19.7	2.405	3.273	9.5	19.7
2 11	6 30.91	+16 28.0	2.512	3.290	12.1	19.9

21607 Robel 1 4.1 130.°41 4.°7/ 5.2 18 R

12 3	7 21.18	+ 9 25.2	2.037	2.848	13.4	17.8
12 13	7 15.19	+ 9 4.4	1.968	2.856	10.3	17.6
12 23	7 7.27	+ 8 55.5	1.924	2.863	7.1	17.4
1 2	6 58.17	+ 8 59.0	1.907	2.870	4.8	17.3
1 12	6 48.90	+ 9 14.5	1.919	2.877	5.4	17.4
1 22	6 40.43	+ 9 40.0	1.960	2.883	8.2	17.5
2 1	6 33.64	+10 13.0	2.027	2.890	11.3	17.7
2 11	6 29.12	+10 50.6	2.117	2.896	14.1	17.9

286275 2001 VW_{81} 1 4.1 165.°01 9.°2/ 5.4 18

12 3	7 25.19	− 1 59.9	2.101	2.856	14.9	21.2
12 13	7 18.00	− 3 19.5	2.033	2.863	12.6	21.1
12 23	7 8.84	− 4 21.3	1.988	2.869	10.5	20.9
1 2	6 58.46	− 5 0.9	1.970	2.875	9.3	20.9
1 12	6 47.87	− 5 16.1	1.979	2.879	9.5	20.9
1 22	6 38.09	− 5 7.8	2.016	2.882	11.1	21.0
2 1	6 30.01	− 4 39.2	2.077	2.885	13.2	21.2
2 11	6 24.23	− 3 55.5	2.159	2.887	15.3	21.3

219404 2000 SC_{209} 1 4.1 71.°44 5.°1/ 2.9 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 27.90	+34 28.7	1.805	2.638	13.9	20.0
12 13	7 20.44	+35 30.0	1.763	2.666	10.4	19.8
12 23	7 10.34	+36 23.0	1.746	2.694	7.0	19.7
1 2	6 58.71	+37 1.1	1.757	2.721	5.1	19.6
1 12	6 47.07	+37 20.4	1.797	2.748	6.4	19.8
1 22	6 36.82	+37 21.2	1.864	2.775	9.4	20.0
2 1	6 29.08	+37 6.6	1.956	2.802	12.4	20.2
2 11	6 24.46	+36 41.4	2.070	2.828	15.0	20.5

175305 2005 MM_3 1 4.1 108.°76 3.°2/ 5.2 18

12 3	7 22.60	+11 39.3	1.883	2.703	14.0	20.2
12 13	7 16.36	+12 6.6	1.819	2.716	10.5	20.0
12 23	7 8.00	+12 46.8	1.779	2.729	6.7	19.8
1 2	6 58.32	+13 38.0	1.767	2.741	3.5	19.7
1 12	6 48.42	+14 36.7	1.785	2.753	4.4	19.7
1 22	6 39.43	+15 38.9	1.831	2.765	7.9	20.0
2 1	6 32.28	+16 41.2	1.905	2.777	11.5	20.2
2 11	6 27.63	+17 40.7	2.003	2.788	14.5	20.5

375537 2008 UJ_{193} 1 4.1 67.°54 3.°2/ 3.2 18

12 3	7 23.09	+29 50.3	2.011	2.849	12.4	20.6
12 13	7 16.82	+30 43.4	1.954	2.864	9.1	20.5
12 23	7 8.28	+31 33.5	1.924	2.880	5.6	20.3
1 2	6 58.37	+32 15.6	1.921	2.895	3.2	20.1
1 12	6 48.28	+32 45.9	1.948	2.911	4.8	20.3
1 22	6 39.19	+33 3.1	2.004	2.926	8.1	20.5
2 1	6 32.10	+33 8.4	2.085	2.942	11.3	20.7
2 11	6 27.66	+33 4.2	2.189	2.958	14.0	21.0

414470 2009 MQ_8 1 4.1 97.°93 0.°6/ 4.4 18

12 3	7 23.83	+18 7.3	2.025	2.853	12.8	20.8
12 13	7 17.14	+18 55.7	1.968	2.874	9.3	20.6
12 23	7 8.39	+19 51.0	1.936	2.895	5.3	20.4
1 2	6 58.40	+20 49.3	1.934	2.916	1.2	20.1
1 12	6 48.26	+21 46.5	1.962	2.936	3.3	20.3
1 22	6 39.04	+22 39.6	2.021	2.956	7.2	20.6
2 1	6 31.66	+23 26.6	2.108	2.975	10.7	20.9
2 11	6 26.72	+24 7.0	2.217	2.994	13.6	21.1

130139 1999 XF_{148} 1 4.1 355.°18 0.°4/ 4.0 18

12 3	7 20.44	+22 43.8	1.714	2.562	13.8	19.9
12 13	7 15.20	+23 2.9	1.642	2.559	10.0	19.7
12 23	7 7.52	+23 25.2	1.594	2.557	5.7	19.4
1 2	6 58.26	+23 47.7	1.573	2.556	1.1	19.1
1 12	6 48.68	+24 7.4	1.580	2.555	3.8	19.3
1 22	6 40.06	+24 22.5	1.615	2.554	8.3	19.6
2 1	6 33.51	+24 32.6	1.675	2.554	12.4	19.8
2 11	6 29.75	+24 38.4	1.757	2.555	15.8	20.0

27086 1998 UX_6 1 4.1 116.°41 0.°0/ 4.0 18

12 3	7 27.87	+22 37.3	1.573	2.413	15.2	19.5
12 13	7 20.51	+22 38.8	1.514	2.427	11.0	19.3
12 23	7 10.44	+22 42.4	1.479	2.440	6.2	19.1
1 2	6 58.77	+22 45.2	1.471	2.453	1.1	18.8
1 12	6 46.98	+22 45.0	1.492	2.466	4.0	19.0
1 22	6 36.53	+22 41.4	1.541	2.478	8.8	19.3
2 1	6 28.59	+22 35.1	1.616	2.490	13.0	19.6
2 11	6 23.82	+22 27.5	1.712	2.501	16.5	19.8

379075 2008 WR_{125} 1 4.1 26.°96 0.°6/ 4.3 18

12 3	7 20.05	+21 10.0	1.884	2.726	13.0	20.8
12 13	7 14.57	+21 5.0	1.819	2.733	9.4	20.6
12 23	7 7.00	+21 3.1	1.780	2.742	5.4	20.4
1 2	6 58.16	+21 2.7	1.768	2.750	1.2	20.1
1 12	6 49.17	+21 2.5	1.785	2.759	3.4	20.3
1 22	6 41.14	+21 1.7	1.830	2.769	7.5	20.6
2 1	6 34.98	+21 0.3	1.901	2.779	11.2	20.8
2 11	6 31.31	+20 58.5	1.995	2.789	14.3	21.0

456617 2007 GK_{77} 1 4.1 112.°09 3.°2/ 3.1 18

12 3	7 23.31	+29 47.9	2.082	2.918	12.2	21.0
12 13	7 17.03	+30 42.2	2.015	2.924	8.9	20.9
12 23	7 8.47	+31 34.1	1.973	2.929	5.5	20.7
1 2	6 58.45	+32 18.7	1.960	2.934	3.2	20.5
1 12	6 48.13	+32 51.9	1.977	2.939	4.8	20.6
1 22	6 38.70	+33 12.1	2.023	2.945	8.1	20.8
2 1	6 31.20	+33 20.0	2.095	2.949	11.3	21.1
2 11	6 26.33	+33 18.2	2.189	2.954	14.1	21.3

23243 2000 WT_{145} 1 4.1 83.°94 7.°6/ 6.9 18

12 3	7 20.99	− 0 21.0	2.037	2.810	14.7	18.6
12 13	7 14.91	− 0 43.9	1.986	2.834	12.1	18.5
12 23	7 7.05	− 0 47.2	1.957	2.858	9.6	18.4
1 2	6 58.17	− 0 29.4	1.954	2.882	7.9	18.3
1 12	6 49.25	+ 0 8.6	1.978	2.905	7.9	18.4
1 22	6 41.21	+ 1 3.4	2.030	2.928	9.5	18.5
2 1	6 34.83	+ 2 10.4	2.108	2.950	11.8	18.7
2 11	6 30.63	+ 3 24.1	2.209	2.973	14.0	18.9

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
142622 2002 TK_{158}			1 4.1	54.°43	5.°9/ 6.2	18
	h m	° ′			°	m
12 3	7 21.15	+ 5 56.1	1.579	2.394	16.4	19.2
12 13	7 15.62	+ 6 8.9	1.518	2.404	12.9	19.0
12 23	7 7.71	+ 6 42.1	1.478	2.415	9.1	18.8
1 2	6 58.32	+ 7 35.5	1.464	2.426	6.3	18.6
1 12	6 48.69	+ 8 45.8	1.478	2.437	6.6	18.7
1 22	6 40.06	+10 7.5	1.519	2.448	9.6	18.9
2 1	6 33.51	+11 34.4	1.585	2.460	13.2	19.1
2 11	6 29.73	+13 0.9	1.673	2.471	16.4	19.4
105451 2000 QZ_{192}			1 4.1	30.°93	0.°4/ 4.0	18
12 3	7 21.47	+21 42.1	1.505	2.356	15.1	18.7
12 13	7 16.10	+22 19.2	1.447	2.366	11.0	18.5
12 23	7 8.07	+23 1.6	1.413	2.376	6.2	18.2
1 2	6 58.39	+23 44.8	1.405	2.387	1.1	17.9
1 12	6 48.46	+24 24.6	1.424	2.399	4.1	18.1
1 22	6 39.72	+24 57.9	1.471	2.411	8.9	18.4
2 1	6 33.32	+25 23.7	1.542	2.424	13.1	18.7
2 11	6 29.98	+25 42.5	1.635	2.437	16.6	19.0
210379 2007 VN_{80}			1 4.1	193.°93	0.°2/ 4.2	18
12 3	7 19.40	+21 28.0	2.541	3.371	10.4	21.0
12 13	7 13.76	+21 36.4	2.462	3.371	7.5	20.8
12 23	7 6.44	+21 47.2	2.410	3.370	4.3	20.6
1 2	6 58.09	+21 58.7	2.386	3.369	0.8	20.4
1 12	6 49.53	+22 9.4	2.394	3.368	2.8	20.5
1 22	6 41.60	+22 18.4	2.431	3.366	6.2	20.7
2 1	6 35.07	+22 25.2	2.497	3.365	9.2	20.9
2 11	6 30.48	+22 30.1	2.587	3.363	11.8	21.1
425286 2009 WA_{202}			1 4.1	58.°02	0.°8/ 3.9	18
12 3	7 21.81	+21 57.9	1.908	2.747	13.0	20.0
12 13	7 16.00	+22 54.6	1.840	2.753	9.4	19.7
12 23	7 7.92	+23 56.4	1.798	2.760	5.3	19.5
1 2	6 58.37	+24 58.5	1.784	2.766	1.2	19.2
1 12	6 48.49	+25 56.3	1.800	2.772	3.7	19.4
1 22	6 39.48	+26 46.4	1.844	2.779	7.8	19.7
2 1	6 32.37	+27 27.3	1.916	2.786	11.5	19.9
2 11	6 27.87	+27 59.4	2.010	2.792	14.6	20.2
126486 2002 CS_{53}			1 4.1	226.°84	1.°5/ 4.5	18
12 3	7 24.18	+18 8.5	1.867	2.698	13.6	20.3
12 13	7 17.80	+18 13.3	1.782	2.689	10.0	20.0
12 23	7 9.00	+18 24.5	1.721	2.680	5.9	19.8
1 2	6 58.59	+18 40.3	1.689	2.670	1.9	19.5
1 12	6 47.74	+18 58.7	1.686	2.659	3.8	19.6
1 22	6 37.70	+19 17.7	1.712	2.648	8.2	19.9
2 1	6 29.60	+19 36.4	1.765	2.637	12.2	20.1
2 11	6 24.20	+19 54.2	1.840	2.625	15.6	20.3
231671 1994 AH_{10}			1 4.1	69.°33	2.°6/ 3.7	18
12 3	7 23.55	+30 21.6	2.071	2.907	12.2	20.4
12 13	7 17.04	+30 34.9	2.009	2.918	9.0	20.2
12 23	7 8.37	+30 43.5	1.972	2.929	5.4	20.1
1 2	6 58.44	+30 44.4	1.963	2.940	2.7	19.9
1 12	6 48.41	+30 35.5	1.984	2.951	4.3	20.0
1 22	6 39.42	+30 17.2	2.034	2.962	7.6	20.2
2 1	6 32.41	+29 51.5	2.110	2.973	10.9	20.5
2 11	6 27.96	+29 21.1	2.209	2.984	13.7	20.7
200131 1997 UC_{6}			1 4.1	201.°04	4.°0/ 3.3	18
12 3	7 27.69	+31 2.1	1.691	2.530	14.4	21.2
12 13	7 20.75	+31 50.6	1.618	2.528	10.7	20.9
12 23	7 10.82	+32 35.3	1.570	2.525	6.8	20.7
1 2	6 58.92	+33 9.7	1.550	2.523	4.1	20.5
1 12	6 46.57	+33 28.8	1.557	2.520	5.9	20.6
1 22	6 35.37	+33 31.3	1.593	2.516	9.8	20.9
2 1	6 26.69	+33 19.4	1.653	2.512	13.6	21.1
2 11	6 21.38	+32 57.6	1.735	2.508	16.9	21.3
238784 2005 JK_{151}			1 4.1	235.°97	0.°6/ 4.4	18
12 3	7 19.58	+18 27.1	2.649	3.473	10.2	20.8
12 13	7 13.94	+19 4.4	2.559	3.463	7.5	20.6
12 23	7 6.60	+19 47.5	2.495	3.453	4.3	20.4
1 2	6 58.15	+20 34.1	2.461	3.443	1.0	20.1
1 12	6 49.36	+21 21.6	2.459	3.433	2.7	20.2
1 22	6 41.06	+22 7.5	2.488	3.422	6.1	20.4
2 1	6 34.02	+22 50.1	2.546	3.411	9.2	20.6
2 11	6 28.86	+23 28.5	2.628	3.400	11.8	20.8
165738 2001 QT_{154}			1 4.2	114.°14	4.°1/ 5.3	18
12 3	7 18.71	+ 9 14.8	2.446	3.252	11.6	20.6
12 13	7 13.18	+ 9 0.0	2.376	3.260	8.9	20.4
12 23	7 6.09	+ 8 55.4	2.332	3.269	6.2	20.3
1 2	6 58.06	+ 9 1.4	2.316	3.278	4.2	20.2
1 12	6 49.88	+ 9 17.4	2.329	3.286	4.7	20.2
1 22	6 42.36	+ 9 41.7	2.372	3.294	7.0	20.4
2 1	6 36.19	+10 12.3	2.442	3.303	9.7	20.6
2 11	6 31.89	+10 46.9	2.537	3.310	12.1	20.8

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
157540 2005 UO_{3}			1 4.2	293.°46	3.°5/ 4.6	18
	h m	° ′			°	m
12 3	7 23.69	+15 47.3	1.375	2.220	16.7	19.8
12 13	7 18.06	+15 20.1	1.298	2.209	12.6	19.5
12 23	7 9.41	+15 1.8	1.242	2.199	7.9	19.2
1 2	6 58.71	+14 53.0	1.212	2.189	3.8	19.0
1 12	6 47.47	+14 53.1	1.208	2.179	5.5	19.0
1 22	6 37.32	+15 1.0	1.230	2.169	10.4	19.3
2 1	6 29.65	+15 15.1	1.276	2.159	15.1	19.5
2 11	6 25.38	+15 33.6	1.341	2.149	19.2	19.8
202129 2004 TM_{170}			1 4.2	25.°34	4.°1/ 3.1	17
12 3	7 22.52	+26 40.7	1.017	1.892	18.9	18.7
12 13	7 17.88	+28 5.1	0.975	1.904	13.8	18.4
12 23	7 9.48	+29 31.0	0.954	1.918	8.2	18.2
1 2	6 58.71	+30 47.9	0.956	1.934	4.2	18.0
1 12	6 47.67	+31 46.7	0.982	1.951	6.9	18.2
1 22	6 38.46	+32 23.7	1.031	1.969	12.0	18.6
2 1	6 32.67	+32 40.5	1.102	1.988	16.7	18.9
2 11	6 31.05	+32 41.7	1.191	2.009	20.5	19.2
420846 2013 JK_{46}			1 4.2	187.°97	5.°1/ 5.4	18
12 3	7 21.39	+ 6 18.1	2.456	3.246	12.0	22.0
12 13	7 15.16	+ 5 50.7	2.375	3.245	9.5	21.9
12 23	7 7.25	+ 5 34.7	2.319	3.244	7.0	21.7
1 2	6 58.29	+ 5 31.5	2.291	3.242	5.3	21.6
1 12	6 49.09	+ 5 41.2	2.293	3.239	5.7	21.6
1 22	6 40.51	+ 6 2.4	2.325	3.236	7.8	21.7
2 1	6 33.30	+ 6 33.0	2.384	3.232	10.4	21.9
2 11	6 28.03	+ 7 10.1	2.467	3.227	12.8	22.1
224814 2006 VW_{28}			1 4.2	87.°16	0.°8/ 4.1	18
12 3	7 28.89	+23 56.3	1.298	2.148	17.2	20.3
12 13	7 21.69	+24 8.0	1.246	2.164	12.4	20.1
12 23	7 11.30	+24 21.2	1.217	2.180	7.0	19.8
1 2	6 59.01	+24 31.6	1.214	2.196	1.4	19.5
1 12	6 46.65	+24 36.1	1.238	2.212	4.6	19.8
1 22	6 35.95	+24 34.0	1.288	2.227	9.9	20.1
2 1	6 28.24	+24 26.9	1.362	2.242	14.6	20.4
2 11	6 24.19	+24 16.7	1.457	2.257	18.3	20.7
13918 Tsukinada			1 4.2	145.°41	2.°2/ 3.8	18
12 3	7 26.67	+29 39.2	2.258	3.085	11.7	17.7
12 13	7 19.13	+29 48.3	2.191	3.096	8.5	17.5
12 23	7 9.52	+29 53.2	2.150	3.106	5.1	17.3
1 2	6 58.69	+29 50.7	2.138	3.116	2.3	17.2
1 12	6 47.76	+29 39.4	2.157	3.125	3.9	17.3
1 22	6 37.82	+29 19.4	2.206	3.133	7.2	17.5
2 1	6 29.79	+28 52.8	2.283	3.141	10.4	17.7
2 11	6 24.26	+28 22.3	2.384	3.148	13.1	17.9
105368 2000 QG_{124}			1 4.2	72.°19	4.°9/ 3.2	18
12 3	7 28.15	+32 3.9	1.435	2.282	16.0	19.7
12 13	7 21.26	+33 0.9	1.383	2.295	11.9	19.5
12 23	7 11.13	+33 51.7	1.354	2.309	7.7	19.3
1 2	6 59.00	+34 28.6	1.351	2.323	5.0	19.2
1 12	6 46.67	+34 46.4	1.376	2.336	6.7	19.3
1 22	6 35.91	+34 44.7	1.426	2.350	10.6	19.6
2 1	6 28.12	+34 27.0	1.501	2.364	14.5	19.9
2 11	6 24.02	+33 58.9	1.595	2.378	17.8	20.1
306294 2011 SA_{37}			1 4.2	137.°77	0.°6/ 4.3	18
12 3	7 25.95	+19 59.8	1.927	2.756	13.3	21.8
12 13	7 18.81	+20 18.0	1.862	2.770	9.6	21.6
12 23	7 9.43	+20 40.7	1.823	2.783	5.5	21.4
1 2	6 58.69	+21 5.2	1.813	2.795	1.2	21.1
1 12	6 47.76	+21 28.9	1.832	2.806	3.5	21.3
1 22	6 37.84	+21 49.9	1.882	2.817	7.6	21.6
2 1	6 29.92	+22 7.7	1.958	2.827	11.4	21.8
2 11	6 24.64	+22 22.3	2.058	2.836	14.4	22.0
246115 2007 HC_{7}			1 4.2	252.°04	3.°4/ 3.5	18
12 3	7 27.42	+29 13.1	1.576	2.420	15.0	21.0
12 13	7 20.81	+29 51.3	1.496	2.409	11.1	20.8
12 23	7 11.02	+30 27.5	1.438	2.397	6.8	20.5
1 2	6 59.03	+30 55.5	1.408	2.385	3.4	20.3
1 12	6 46.41	+31 10.1	1.405	2.372	5.6	20.4
1 22	6 34.90	+31 9.8	1.430	2.359	10.1	20.6
2 1	6 25.98	+30 56.7	1.479	2.346	14.4	20.8
2 11	6 20.61	+30 34.7	1.549	2.333	18.1	21.0
318711 2005 QA_{143}			1 4.2	163.°68	0.°6/ 4.3	18
12 3	7 24.52	+21 43.6	2.257	3.083	11.7	21.1
12 13	7 17.54	+21 29.5	2.182	3.088	8.5	20.9
12 23	7 8.62	+21 16.5	2.134	3.093	4.9	20.7
1 2	6 58.54	+21 3.6	2.115	3.097	1.1	20.4
1 12	6 48.31	+20 50.0	2.127	3.101	3.1	20.6
1 22	6 38.94	+20 35.7	2.170	3.104	6.9	20.9
2 1	6 31.28	+20 21.3	2.241	3.106	10.2	21.1
2 11	6 25.91	+20 7.6	2.335	3.108	13.1	21.3

144198 2004 BN_{147} 1 4.2 158.°97 2.°1/ 4.8 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 22.70	+15 14.4	1.887	2.715	13.6	20.6
12 13	7 16.60	+15 35.2	1.814	2.718	10.1	20.4
12 23	7 8.26	+16 5.7	1.766	2.721	6.1	20.2
1 2	6 58.50	+16 43.8	1.745	2.724	2.5	20.0
1 12	6 48.44	+17 26.6	1.754	2.726	3.9	20.1
1 22	6 39.21	+18 11.1	1.792	2.729	7.9	20.3
2 1	6 31.85	+18 54.7	1.857	2.730	11.6	20.5
2 11	6 27.05	+19 35.8	1.945	2.732	14.8	20.8

25367 Cicek 1 4.2 15.°64 0.°6/ 4.0 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 23.08	+22 32.7	1.438	2.290	15.7	18.2
12 13	7 17.51	+23 2.3	1.373	2.292	11.4	18.0
12 23	7 9.03	+23 36.5	1.330	2.294	6.5	17.7
1 2	6 58.66	+24 11.0	1.314	2.296	1.3	17.4
1 12	6 47.92	+24 41.5	1.324	2.299	4.3	17.6
1 22	6 38.37	+25 5.2	1.362	2.302	9.4	17.9
2 1	6 31.34	+25 21.8	1.424	2.305	13.9	18.2
2 11	6 27.61	+25 32.1	1.506	2.309	17.7	18.4

220910 2005 EK_{131} 1 4.2 266.°40 3.°1/ 2.9 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 18.54	+34 29.0	3.325	4.147	8.4	20.5
12 13	7 13.06	+35 5.9	3.237	4.135	6.4	20.3
12 23	7 6.07	+35 38.6	3.177	4.122	4.3	20.2
1 2	6 58.10	+36 4.2	3.146	4.109	3.2	20.1
1 12	6 49.87	+36 20.5	3.146	4.097	4.0	20.1
1 22	6 42.11	+36 26.9	3.176	4.084	6.0	20.2
2 1	6 35.52	+36 23.7	3.234	4.071	8.2	20.4
2 11	6 30.64	+36 12.8	3.315	4.058	10.2	20.5

150175 1998 ED_{11} 1 4.2 328.°06 8.°9/ 2.4 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 27.67	+43 5.2	1.630	2.457	15.4	19.4
12 13	7 21.34	+44 7.3	1.560	2.446	12.6	19.2
12 23	7 11.43	+44 54.7	1.512	2.436	10.1	19.0
1 2	6 59.11	+45 18.0	1.488	2.426	8.9	18.9
1 12	6 46.27	+45 11.5	1.490	2.417	9.9	18.9
1 22	6 34.89	+44 35.6	1.517	2.408	12.5	19.1
2 1	6 26.61	+43 36.0	1.567	2.400	15.5	19.2
2 11	6 22.31	+42 21.0	1.635	2.393	18.4	19.4

147751 2005 OR_9 1 4.2 170.°11 0.°0/ 4.1 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 23.20	+21 20.1	2.078	2.910	12.3	20.6
12 13	7 16.86	+21 48.6	2.003	2.913	9.0	20.4
12 23	7 8.38	+22 21.0	1.955	2.915	5.1	20.2
1 2	6 58.53	+22 54.3	1.935	2.917	0.9	19.9
1 12	6 48.39	+23 25.6	1.945	2.919	3.3	20.1
1 22	6 39.06	+23 52.7	1.985	2.920	7.3	20.3
2 1	6 31.51	+24 14.8	2.052	2.920	10.9	20.6
2 11	6 26.42	+24 32.3	2.143	2.921	13.9	20.8

444062 2004 RQ_{167} 1 4.2 97.°06 2.°9/ 5.0 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 25.88	+13 30.8	1.612	2.439	15.6	21.4
12 13	7 18.94	+13 51.9	1.559	2.461	11.5	21.2
12 23	7 9.56	+14 25.3	1.529	2.483	7.1	21.0
1 2	6 58.73	+15 8.4	1.527	2.504	3.3	20.8
1 12	6 47.81	+15 57.7	1.554	2.525	4.5	21.0
1 22	6 38.08	+16 49.1	1.609	2.545	8.6	21.3
2 1	6 30.61	+17 39.6	1.691	2.565	12.5	21.5
2 11	6 26.03	+18 27.0	1.794	2.584	15.8	21.8

51767 2001 LH_{15} 1 4.2 144.°46 1.°2/ 4.4 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 20.84	+19 31.3	2.416	3.243	11.0	19.1
12 13	7 14.80	+19 17.7	2.341	3.247	8.0	18.9
12 23	7 7.06	+19 7.0	2.293	3.251	4.7	18.7
1 2	6 58.29	+18 58.5	2.274	3.255	1.5	18.4
1 12	6 49.37	+18 51.6	2.286	3.259	3.0	18.6
1 22	6 41.18	+18 45.8	2.328	3.262	6.4	18.8
2 1	6 34.48	+18 41.1	2.398	3.266	9.6	19.0
2 11	6 29.80	+18 37.5	2.492	3.269	12.2	19.2

350695 2001 VP_{126} 1 4.2 78.°80 3.°0/ 3.5 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 27.32	+27 6.7	1.416	2.265	16.1	21.0
12 13	7 20.60	+28 4.4	1.363	2.280	11.7	20.8
12 23	7 10.76	+29 1.8	1.334	2.294	6.9	20.5
1 2	6 58.98	+29 51.7	1.330	2.309	3.1	20.4
1 12	6 46.97	+30 28.3	1.355	2.323	5.5	20.5
1 22	6 36.42	+30 49.6	1.406	2.338	10.0	20.8
2 1	6 28.69	+30 57.2	1.482	2.352	14.2	21.1
2 11	6 24.52	+30 54.4	1.577	2.366	17.6	21.4

448766 2011 RG_8 1 4.2 37.°38 0.°6/ 4.2 17

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 25.79	+22 57.4	1.100	1.964	18.6	20.4
12 13	7 19.58	+22 30.4	1.060	1.984	13.4	20.2
12 23	7 10.10	+22 5.5	1.041	2.006	7.6	19.9
1 2	6 58.83	+21 41.2	1.045	2.028	1.5	19.6
1 12	6 47.71	+21 16.9	1.076	2.051	4.8	19.9
1 22	6 38.49	+20 53.5	1.131	2.075	10.3	20.3
2 1	6 32.40	+20 32.2	1.208	2.100	15.1	20.7
2 11	6 30.01	+20 14.0	1.305	2.125	19.0	21.0

315482 2007 YL_{63} 1 4.2 56.°15 0.°1/ 4.2 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 23.81	+20 15.1	1.469	2.317	15.7	20.4
12 13	7 17.78	+20 52.2	1.418	2.334	11.3	20.2
12 23	7 9.04	+21 36.0	1.389	2.351	6.4	20.0
1 2	6 58.67	+22 22.0	1.386	2.369	1.2	19.7
1 12	6 48.14	+23 5.5	1.412	2.386	4.1	19.9
1 22	6 38.89	+23 43.3	1.464	2.404	8.9	20.2
2 1	6 32.09	+24 14.3	1.542	2.422	13.1	20.5
2 11	6 28.42	+24 38.5	1.641	2.441	16.6	20.8

459822 2013 SQ_{52} 1 4.2 156.°57 0.°7/ 4.1 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 23.78	+25 46.0	2.400	3.228	11.0	21.0
12 13	7 16.95	+25 36.9	2.326	3.233	8.0	20.8
12 23	7 8.29	+25 26.1	2.278	3.238	4.5	20.6
1 2	6 58.52	+25 11.9	2.260	3.242	1.0	20.4
1 12	6 48.64	+24 53.6	2.274	3.246	3.0	20.5
1 22	6 39.59	+24 31.4	2.317	3.250	6.6	20.8
2 1	6 32.20	+24 6.6	2.389	3.253	9.7	21.0
2 11	6 27.02	+23 40.8	2.485	3.256	12.4	21.2

401786 2014 FS_{46} 1 4.2 204.°54 2.°3/ 4.7 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 25.09	+15 36.1	1.883	2.707	13.8	21.9
12 13	7 18.43	+15 45.6	1.800	2.702	10.2	21.7
12 23	7 9.38	+16 3.8	1.742	2.697	6.3	21.4
1 2	6 58.76	+16 29.4	1.712	2.691	2.6	21.2
1 12	6 47.71	+16 59.9	1.712	2.684	4.1	21.3
1 22	6 37.48	+17 32.9	1.742	2.676	8.2	21.5
2 1	6 29.15	+18 6.4	1.798	2.668	12.1	21.7
2 11	6 23.50	+18 39.0	1.877	2.658	15.5	21.9

315569 2008 CE_{48} 1 4.2 5.°64 1.°6/ 4.2 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 24.81	+21 42.6	1.470	2.318	15.7	19.8
12 13	7 18.55	+20 53.4	1.402	2.318	11.5	19.6
12 23	7 9.51	+20 4.6	1.357	2.319	6.7	19.3
1 2	6 58.77	+19 16.5	1.338	2.320	2.0	19.0
1 12	6 47.82	+18 30.5	1.347	2.321	4.5	19.2
1 22	6 38.16	+17 48.2	1.384	2.323	9.4	19.5
2 1	6 31.00	+17 11.6	1.445	2.326	13.8	19.7
2 11	6 27.02	+16 41.5	1.526	2.329	17.5	20.0

274659 2008 TV_{157} 1 4.2 57.°96 4.°1/ 5.8 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 19.68	+ 8 44.6	2.000	2.812	13.5	20.2
12 13	7 14.24	+ 9 8.2	1.933	2.822	10.4	20.0
12 23	7 6.87	+ 9 46.4	1.889	2.832	7.0	19.9
1 2	6 58.29	+10 38.2	1.874	2.841	4.4	19.7
1 12	6 49.49	+11 40.5	1.887	2.851	4.8	19.8
1 22	6 41.47	+12 49.4	1.930	2.861	7.8	20.0
2 1	6 35.09	+14 0.8	2.000	2.871	11.0	20.2
2 11	6 30.97	+15 11.0	2.093	2.882	13.9	20.4

263203 2008 AP_3 1 4.2 27.°89 4.°9/ 4.6 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 34.40	+37 39.7	1.483	2.315	16.4	19.1
12 13	7 25.55	+37 3.1	1.418	2.320	12.5	18.8
12 23	7 13.39	+36 8.9	1.376	2.325	8.3	18.6
1 2	6 59.44	+34 53.2	1.361	2.332	5.1	18.4
1 12	6 45.67	+33 16.9	1.375	2.338	6.3	18.5
1 22	6 33.92	+31 26.7	1.417	2.345	10.3	18.8
2 1	6 25.44	+29 31.7	1.485	2.353	14.3	19.0
2 11	6 20.79	+27 39.9	1.574	2.361	17.8	19.3

298350 2003 JY_{14} 1 4.2 197.°65 1.°2/ 4.4 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 25.49	+19 8.1	1.958	2.787	13.1	22.6
12 13	7 18.62	+19 10.9	1.878	2.784	9.7	22.3
12 23	7 9.45	+19 18.5	1.822	2.780	5.6	22.1
1 2	6 58.78	+19 29.1	1.794	2.776	1.6	21.8
1 12	6 47.76	+19 40.8	1.797	2.771	3.6	21.9
1 22	6 37.59	+19 52.4	1.830	2.765	7.8	22.2
2 1	6 29.33	+20 3.1	1.890	2.758	11.7	22.4
2 11	6 23.69	+20 13.0	1.972	2.751	14.9	22.6

27906 1996 TZ_7 1 4.2 136.°28 1.°1/ 3.9 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 20.97	+25 27.8	2.393	3.227	10.9	19.5
12 13	7 15.04	+25 46.8	2.320	3.230	7.9	19.3
12 23	7 7.27	+26 5.7	2.274	3.234	4.5	19.1
1 2	6 58.37	+26 22.0	2.256	3.238	1.3	18.9
1 12	6 49.28	+26 33.5	2.269	3.241	3.2	19.1
1 22	6 40.92	+26 39.5	2.312	3.244	6.6	19.3
2 1	6 34.13	+26 40.1	2.382	3.247	9.7	19.5
2 11	6 29.48	+26 36.4	2.476	3.250	12.4	19.7

174961 2004 DJ_4 1 4.2 234.°46 1.°8/ 3.4 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 20.70	+26 44.5	2.632	3.462	10.1	20.1
12 13	7 14.88	+27 34.0	2.547	3.455	7.4	20.0
12 23	7 7.24	+28 24.1	2.489	3.447	4.3	19.8
1 2	6 58.39	+29 11.2	2.461	3.439	1.9	19.6
1 12	6 49.18	+29 52.0	2.464	3.431	3.5	19.7
1 22	6 40.51	+30 24.5	2.497	3.422	6.6	19.9
2 1	6 33.24	+30 48.3	2.558	3.414	9.5	20.0
2 11	6 27.99	+31 4.2	2.644	3.405	12.0	20.2

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
27701 1983 *QR*			1 4.2	69.°65	0.°1/ 4.2	18
	h m	° ′			°	m
12 3	7 28.02	+22 28.7	1.208	2.063	17.9	19.0
12 13	7 21.20	+22 37.3	1.160	2.080	13.0	18.8
12 23	7 11.10	+22 49.5	1.134	2.097	7.3	18.5
1 2	6 59.08	+23 1.3	1.132	2.115	1.3	18.2
1 12	6 46.99	+23 9.5	1.157	2.132	4.7	18.5
1 22	6 36.64	+23 12.9	1.208	2.149	10.2	18.8
2 1	6 29.35	+23 12.4	1.282	2.167	14.9	19.2
2 11	6 25.80	+23 9.3	1.376	2.184	18.8	19.5
403005 2007 VP_{283}			1 4.2	139.°09	1.°1/ 3.9	18
12 3	7 26.04	+24 31.5	2.010	2.842	12.7	21.7
12 13	7 18.92	+24 59.1	1.945	2.854	9.2	21.5
12 23	7 9.54	+25 27.5	1.905	2.866	5.2	21.3
1 2	6 58.80	+25 53.0	1.895	2.877	1.4	21.1
1 12	6 47.86	+26 12.7	1.915	2.887	3.6	21.3
1 22	6 37.92	+26 25.4	1.965	2.897	7.6	21.5
2 1	6 29.96	+26 31.4	2.041	2.906	11.1	21.8
2 11	6 24.63	+26 32.3	2.141	2.914	14.1	22.0
382089 2011 FU_{142}			1 4.2	178.°68	4.°3/ 5.4	18
12 3	7 19.15	+ 8 58.1	2.296	3.103	12.2	21.3
12 13	7 13.70	+ 8 48.6	2.218	3.103	9.4	21.1
12 23	7 6.52	+ 8 50.4	2.166	3.103	6.6	20.9
1 2	6 58.26	+ 9 3.9	2.141	3.104	4.5	20.8
1 12	6 49.77	+ 9 28.2	2.146	3.104	4.9	20.8
1 22	6 41.92	+10 1.5	2.179	3.103	7.5	21.0
2 1	6 35.50	+10 41.1	2.240	3.103	10.3	21.2
2 11	6 31.07	+11 24.4	2.325	3.103	13.0	21.4
28998 2184 *P–L*			1 4.2	286.°76	7.°3/ 5.2	18
12 3	7 20.85	+ 5 32.4	1.771	2.577	15.2	18.6
12 13	7 15.51	+ 4 42.2	1.681	2.559	12.3	18.4
12 23	7 7.83	+ 4 6.6	1.614	2.540	9.4	18.2
1 2	6 58.53	+ 3 49.3	1.573	2.521	7.4	18.0
1 12	6 48.72	+ 3 51.8	1.558	2.503	8.0	18.0
1 22	6 39.58	+ 4 13.2	1.570	2.484	10.6	18.1
2 1	6 32.24	+ 4 50.5	1.607	2.465	14.0	18.3
2 11	6 27.50	+ 5 39.2	1.664	2.446	17.1	18.5
321569 2009 SA_{359}			1 4.2	75.°85	2.°5/ 4.7	18
12 3	7 21.72	+16 4.6	1.872	2.704	13.5	20.6
12 13	7 15.82	+15 53.3	1.806	2.712	10.0	20.4
12 23	7 7.80	+15 49.3	1.765	2.720	6.1	20.2
1 2	6 58.49	+15 52.0	1.750	2.728	2.7	20.0
1 12	6 49.01	+16 0.2	1.765	2.736	4.1	20.1
1 22	6 40.46	+16 12.6	1.809	2.744	7.8	20.3
2 1	6 33.77	+16 27.8	1.878	2.753	11.5	20.6
2 11	6 29.56	+16 44.6	1.971	2.761	14.6	20.8
29905 Kunitaka			1 4.2	274.°49	9.°4/ 5.5	18
12 3	7 20.20	− 1 36.1	1.994	2.764	15.1	17.7
12 13	7 14.80	− 2 42.7	1.907	2.748	12.9	17.6
12 23	7 7.32	− 3 31.5	1.842	2.731	10.8	17.4
1 2	6 58.44	− 3 57.8	1.801	2.714	9.5	17.3
1 12	6 49.11	− 3 59.1	1.787	2.697	9.8	17.3
1 22	6 40.39	− 3 36.0	1.798	2.679	11.5	17.3
2 1	6 33.24	− 2 51.8	1.834	2.662	13.9	17.4
2 11	6 28.39	− 1 51.9	1.890	2.644	16.4	17.6
418367 2008 GB_{127}			1 4.2	247.°13	4.°5/ 2.4	16
12 3	7 25.70	+31 50.7	2.031	2.863	12.6	21.3
12 13	7 19.22	+33 14.7	1.948	2.853	9.5	21.0
12 23	7 10.05	+34 37.2	1.892	2.842	6.3	20.8
1 2	6 58.96	+35 50.9	1.864	2.831	4.5	20.7
1 12	6 47.20	+36 49.6	1.866	2.819	6.1	20.8
1 22	6 36.16	+37 30.1	1.897	2.807	9.3	21.0
2 1	6 27.15	+37 52.6	1.954	2.795	12.6	21.1
2 11	6 21.08	+38 0.5	2.032	2.783	15.5	21.3
170291 2003 RL_{16}			1 4.2	123.°87	4.°0/ 5.0	18
12 3	7 24.21	+12 14.6	1.805	2.625	14.4	20.9
12 13	7 17.62	+11 55.1	1.741	2.637	10.9	20.7
12 23	7 8.81	+11 46.3	1.702	2.649	7.2	20.5
1 2	6 58.68	+11 48.4	1.690	2.661	4.2	20.3
1 12	6 48.40	+12 0.5	1.707	2.671	5.1	20.4
1 22	6 39.11	+12 20.7	1.752	2.682	8.5	20.6
2 1	6 31.80	+12 46.9	1.824	2.692	12.1	20.9
2 11	6 27.08	+13 16.5	1.918	2.702	15.1	21.1
171941 2001 SM_{241}			1 4.2	10.°52	5.°1/ 5.4	18
12 3	7 17.88	+ 8 15.3	2.038	2.851	13.3	20.1
12 13	7 12.94	+ 7 51.6	1.966	2.853	10.4	19.9
12 23	7 6.15	+ 7 40.6	1.918	2.855	7.4	19.7
1 2	6 58.21	+ 7 43.4	1.897	2.857	5.3	19.6
1 12	6 50.05	+ 7 59.6	1.904	2.859	5.7	19.6
1 22	6 42.62	+ 8 27.3	1.939	2.862	8.3	19.8
2 1	6 36.75	+ 9 3.9	2.000	2.866	11.3	20.0
2 11	6 33.04	+ 9 46.0	2.083	2.869	14.0	20.2

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
79937 1999 CD_{73}			1 4.2	61.°55	2.°8/ 4.1	18
	h m	° ′			°	m
12 3	7 29.11	+31 22.3	1.619	2.459	14.9	17.9
12 13	7 21.40	+31 5.0	1.563	2.474	10.9	17.7
12 23	7 10.98	+30 39.7	1.531	2.489	6.6	17.5
1 2	6 59.06	+30 3.3	1.527	2.505	3.0	17.3
1 12	6 47.23	+29 15.6	1.551	2.520	4.8	17.5
1 22	6 36.96	+28 19.5	1.603	2.536	8.9	17.7
2 1	6 29.35	+27 19.2	1.681	2.552	12.8	18.0
2 11	6 24.97	+26 19.2	1.782	2.568	16.0	18.3
194593 2001 XL_{118}			1 4.2	41.°68	2.°9/ 3.6	17
12 3	7 26.19	+25 39.8	1.062	1.929	18.9	18.5
12 13	7 20.20	+26 41.7	1.028	1.953	13.6	18.3
12 23	7 10.64	+27 44.4	1.014	1.979	7.9	18.1
1 2	6 59.02	+28 39.2	1.024	2.005	3.1	17.9
1 12	6 47.42	+29 19.5	1.060	2.031	5.9	18.1
1 22	6 37.80	+29 43.2	1.120	2.059	11.1	18.5
2 1	6 31.54	+29 52.2	1.202	2.087	15.7	18.9
2 11	6 29.26	+29 50.3	1.302	2.115	19.4	19.2
262737 2006 XE_{45}			1 4.2	171.°25	1.°1/ 3.9	18
12 3	7 23.99	+24 38.3	2.222	3.053	11.7	21.8
12 13	7 17.38	+25 11.4	2.148	3.057	8.5	21.6
12 23	7 8.69	+25 45.7	2.099	3.059	4.8	21.4
1 2	6 58.68	+26 17.6	2.080	3.062	1.4	21.1
1 12	6 48.39	+26 44.1	2.092	3.063	3.4	21.3
1 22	6 38.88	+27 3.7	2.134	3.065	7.1	21.5
2 1	6 31.11	+27 16.3	2.203	3.065	10.5	21.7
2 11	6 25.73	+27 23.0	2.295	3.065	13.4	21.9
182304 2001 OV_7			1 4.2	168.°29	0.°8/ 4.4	18
12 3	7 19.63	+19 19.5	3.108	3.926	9.0	21.0
12 13	7 13.67	+19 22.3	3.029	3.931	6.6	20.9
12 23	7 6.36	+19 27.8	2.978	3.935	3.8	20.7
1 2	6 58.24	+19 35.1	2.958	3.939	1.1	20.5
1 12	6 49.98	+19 43.0	2.969	3.942	2.4	20.6
1 22	6 42.24	+19 50.9	3.012	3.945	5.2	20.8
2 1	6 35.64	+19 58.4	3.084	3.947	7.8	21.0
2 11	6 30.65	+20 5.1	3.182	3.948	10.1	21.1
51838 2001 OC_{61}			1 4.2	103.°12	0.°3/ 4.1	18
12 3	7 16.85	+23 24.1	3.607	4.431	7.8	20.5
12 13	7 11.51	+23 35.8	3.544	4.450	5.6	20.3
12 23	7 5.08	+23 48.0	3.510	4.469	3.1	20.2
1 2	6 58.00	+23 59.4	3.505	4.488	0.6	20.0
1 12	6 50.87	+24 9.0	3.533	4.506	2.1	20.2
1 22	6 44.23	+24 16.3	3.592	4.524	4.5	20.3
2 1	6 38.58	+24 21.0	3.680	4.542	6.7	20.5
2 11	6 34.30	+24 23.4	3.794	4.560	8.6	20.7
176815 2002 TF_{75}			1 4.2	80.°17	1.°2/ 3.9	18
12 3	7 24.76	+23 44.5	1.656	2.499	14.4	20.4
12 13	7 18.36	+24 26.5	1.599	2.513	10.4	20.2
12 23	7 9.39	+25 11.1	1.565	2.527	5.9	20.0
1 2	6 58.82	+25 53.5	1.559	2.541	1.5	19.7
1 12	6 48.04	+26 29.4	1.582	2.555	4.1	19.9
1 22	6 38.43	+26 56.6	1.633	2.569	8.6	20.2
2 1	6 31.11	+27 14.8	1.710	2.582	12.5	20.5
2 11	6 26.78	+27 25.6	1.808	2.596	15.8	20.7
361260 2006 SG_{342}			1 4.2	198.°70	0.°9/ 4.4	18
12 3	7 24.06	+19 57.8	2.133	2.961	12.2	21.9
12 13	7 17.45	+19 55.6	2.052	2.958	9.0	21.7
12 23	7 8.75	+19 56.9	1.996	2.955	5.2	21.5
1 2	6 58.71	+20 0.1	1.969	2.951	1.4	21.2
1 12	6 48.38	+20 3.8	1.972	2.946	3.3	21.3
1 22	6 38.84	+20 7.3	2.006	2.941	7.3	21.6
2 1	6 31.03	+20 10.1	2.067	2.935	10.9	21.8
2 11	6 25.62	+20 12.5	2.151	2.928	13.9	22.0
370866 2005 EB_{37}			1 4.2	268.°74	5.°4/ 5.7	16
12 3	7 19.29	+ 2 29.5	3.024	3.791	10.5	22.9
12 13	7 13.64	+ 2 10.3	2.908	3.757	8.6	22.7
12 23	7 6.49	+ 2 2.7	2.817	3.723	6.8	22.5
1 2	6 58.31	+ 2 8.2	2.754	3.689	5.5	22.4
1 12	6 49.73	+ 2 27.2	2.722	3.653	5.7	22.3
1 22	6 41.44	+ 2 58.8	2.719	3.617	7.4	22.4
2 1	6 34.13	+ 3 41.0	2.745	3.580	9.6	22.5
2 11	6 28.36	+ 4 30.9	2.795	3.542	11.8	22.6
43656 2002 ER_{104}			1 4.2	171.°25	5.°0/ 2.9	18 R
12 3	7 28.63	+34 23.6	1.872	2.703	13.6	19.4
12 13	7 21.31	+35 19.3	1.804	2.706	10.3	19.2
12 23	7 11.16	+36 8.4	1.761	2.708	7.0	19.0
1 2	6 59.16	+36 44.0	1.745	2.710	5.0	18.9
1 12	6 46.80	+37 1.5	1.759	2.711	6.4	19.0
1 22	6 35.57	+37 0.2	1.800	2.712	9.6	19.2
2 1	6 26.77	+36 42.9	1.867	2.713	12.9	19.4
2 11	6 21.18	+36 14.3	1.955	2.713	15.8	19.6

12757 Yangtze 1 4.2 121.°67 0.°4/ 4.3 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 21.53	+20 53.2	2.195	3.027	11.8	18.3
12 13	7 15.52	+21 0.4	2.124	3.034	8.5	18.1
12 23	7 7.59	+21 10.7	2.080	3.040	4.9	17.9
1 2	6 58.51	+21 22.3	2.064	3.046	1.0	17.6
1 12	6 49.23	+21 33.4	2.078	3.052	3.1	17.8
1 22	6 40.76	+21 42.9	2.122	3.058	6.8	18.1
2 1	6 33.94	+21 50.5	2.193	3.064	10.2	18.3
2 11	6 29.36	+21 56.3	2.288	3.069	13.1	18.5

152400 2005 UN_{293} 1 4.2 254.°64 0.°6/ 4.1 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 23.16	+23 53.5	2.071	2.907	12.3	21.3
12 13	7 17.01	+24 3.6	1.983	2.893	8.9	21.1
12 23	7 8.61	+24 14.8	1.919	2.880	5.1	20.8
1 2	6 58.72	+24 24.6	1.884	2.866	1.1	20.5
1 12	6 48.42	+24 30.7	1.879	2.852	3.5	20.7
1 22	6 38.86	+24 32.3	1.903	2.838	7.6	20.9
2 1	6 31.09	+24 29.4	1.954	2.824	11.3	21.1
2 11	6 25.84	+24 23.3	2.028	2.809	14.5	21.3

65903 1998 DS_{25} 1 4.2 106.°54 0.°2/ 4.2 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 26.57	+22 2.2	1.739	2.575	14.2	19.3
12 13	7 19.46	+22 25.4	1.683	2.594	10.2	19.1
12 23	7 9.92	+22 51.7	1.651	2.612	5.8	18.8
1 2	6 58.94	+23 17.6	1.648	2.630	1.0	18.5
1 12	6 47.83	+23 40.0	1.674	2.647	3.7	18.8
1 22	6 37.91	+23 57.3	1.728	2.664	8.1	19.1
2 1	6 30.23	+24 9.3	1.809	2.680	12.0	19.4
2 11	6 25.42	+24 17.1	1.913	2.696	15.2	19.6

243231 2007 VX_{92} 1 4.2 208.°55 0.°3/ 4.2 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 21.29	+22 34.6	2.470	3.299	10.7	20.4
12 13	7 15.21	+22 21.4	2.389	3.297	7.8	20.2
12 23	7 7.38	+22 8.8	2.335	3.295	4.4	20.0
1 2	6 58.49	+21 55.7	2.310	3.293	0.9	19.7
1 12	6 49.41	+21 41.6	2.316	3.290	2.8	19.9
1 22	6 41.04	+21 26.3	2.353	3.288	6.3	20.1
2 1	6 34.16	+21 10.4	2.417	3.285	9.5	20.3
2 11	6 29.32	+20 54.6	2.506	3.282	12.2	20.5

35135 1992 RO_1 1 4.2 125.°10 3.°6/ 5.4 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 24.96	+10 38.9	1.985	2.794	13.7	19.4
12 13	7 18.01	+10 56.3	1.923	2.813	10.4	19.2
12 23	7 9.01	+11 26.2	1.886	2.831	6.8	19.0
1 2	6 58.78	+12 7.2	1.877	2.848	3.9	18.9
1 12	6 48.41	+12 56.5	1.899	2.865	4.6	19.0
1 22	6 38.95	+13 50.7	1.950	2.880	7.8	19.2
2 1	6 31.32	+14 46.4	2.030	2.895	11.1	19.4
2 11	6 26.11	+15 41.1	2.132	2.910	14.0	19.7

128502 2004 PD_{18} 1 4.2 87.°94 0.°1/ 4.2 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 27.91	+21 43.1	1.515	2.357	15.6	20.3
12 13	7 20.60	+21 53.6	1.466	2.379	11.3	20.1
12 23	7 10.61	+22 7.5	1.440	2.401	6.4	19.9
1 2	6 59.09	+22 21.6	1.441	2.423	1.2	19.6
1 12	6 47.55	+22 33.1	1.471	2.445	4.0	19.8
1 22	6 37.44	+22 40.9	1.528	2.466	8.8	20.2
2 1	6 29.88	+22 45.2	1.611	2.487	12.9	20.5
2 11	6 25.49	+22 47.0	1.716	2.507	16.3	20.7

310134 2011 HD_{32} 1 4.2 106.°59 1.°6/ 4.8 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 19.75	+15 49.6	2.579	3.398	10.6	21.1
12 13	7 13.96	+16 9.6	2.514	3.414	7.8	20.9
12 23	7 6.62	+16 36.0	2.475	3.430	4.7	20.7
1 2	6 58.36	+17 7.2	2.466	3.445	1.8	20.6
1 12	6 49.98	+17 41.2	2.488	3.460	2.9	20.7
1 22	6 42.24	+18 16.0	2.541	3.475	6.0	20.9
2 1	6 35.86	+18 50.1	2.622	3.489	8.9	21.1
2 11	6 31.32	+19 22.4	2.728	3.504	11.3	21.3

192273 2299 $T\text{-}2$ 1 4.2 111.°34 1.°3/ 3.9 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 27.61	+25 20.8	1.792	2.628	13.8	21.0
12 13	7 20.20	+25 42.3	1.736	2.646	10.0	20.8
12 23	7 10.34	+26 3.4	1.704	2.665	5.7	20.5
1 2	6 59.05	+26 20.4	1.701	2.682	1.6	20.3
1 12	6 47.66	+26 30.4	1.727	2.699	3.9	20.5
1 22	6 37.49	+26 32.9	1.783	2.716	8.1	20.8
2 1	6 29.60	+26 28.9	1.864	2.732	11.9	21.1
2 11	6 24.60	+26 20.4	1.968	2.747	15.0	21.3

94852 2001 XJ_{209} 1 4.2 16.°56 3.°3/ 4.7 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 22.52	+16 12.2	1.218	2.073	17.8	18.2
12 13	7 17.34	+15 50.7	1.159	2.076	13.3	18.0
12 23	7 9.08	+15 39.8	1.120	2.079	8.2	17.7
1 2	6 58.86	+15 39.2	1.105	2.083	3.7	17.5
1 12	6 48.33	+15 47.5	1.116	2.088	5.5	17.6
1 22	6 39.17	+16 2.8	1.152	2.094	10.5	17.9
2 1	6 32.71	+16 22.8	1.210	2.101	15.2	18.2
2 11	6 29.75	+16 45.2	1.288	2.108	19.2	18.4

432436 2010 BF_{81} 1 4.2 198.°26 6.°6/ 5.9 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 17.69	− 0 28.8	2.794	3.553	11.4	21.5
12 13	7 12.43	− 1 11.2	2.715	3.551	9.6	21.4
12 23	7 5.76	− 1 40.0	2.659	3.549	7.8	21.2
1 2	6 58.23	− 1 53.1	2.631	3.547	6.7	21.2
1 12	6 50.50	− 1 49.7	2.631	3.544	6.9	21.2
1 22	6 43.26	− 1 30.8	2.659	3.541	8.2	21.2
2 1	6 37.16	− 0 58.7	2.714	3.537	10.0	21.4
2 11	6 32.67	− 0 16.7	2.791	3.534	11.9	21.5

204891 2007 TY_{323} 1 4.2 15.°17 2.°0/ 4.6 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 20.06	+17 34.4	2.105	2.937	12.2	20.2
12 13	7 14.52	+17 12.0	2.032	2.938	9.0	20.0
12 23	7 7.08	+16 54.3	1.983	2.940	5.5	19.8
1 2	6 58.47	+16 41.2	1.963	2.942	2.3	19.6
1 12	6 49.68	+16 32.3	1.973	2.944	3.7	19.7
1 22	6 41.68	+16 27.2	2.011	2.947	7.2	19.9
2 1	6 35.32	+16 25.4	2.076	2.949	10.6	20.1
2 11	6 31.18	+16 26.3	2.165	2.952	13.5	20.3

461711 2005 SS_{83} 1 4.2 26.°84 3.°3/ 3.7 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 23.82	+29 38.2	1.483	2.335	15.3	20.7
12 13	7 18.05	+30 7.7	1.426	2.343	11.2	20.5
12 23	7 9.37	+30 33.4	1.392	2.351	6.8	20.3
1 2	6 58.90	+30 49.8	1.383	2.361	3.4	20.1
1 12	6 48.24	+30 53.4	1.402	2.370	5.4	20.2
1 22	6 38.93	+30 44.1	1.447	2.381	9.6	20.5
2 1	6 32.24	+30 24.1	1.517	2.392	13.6	20.8
2 11	6 28.87	+29 57.3	1.607	2.404	17.0	21.0

284579 2007 TT_{102} 1 4.2 349.°69 3.°0/ 4.9 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 18.14	+14 25.9	1.904	2.738	13.2	20.1
12 13	7 13.37	+14 14.9	1.828	2.733	9.9	19.8
12 23	7 6.54	+14 12.7	1.775	2.728	6.3	19.6
1 2	6 58.39	+14 19.1	1.749	2.724	3.3	19.4
1 12	6 49.95	+14 33.3	1.752	2.721	4.3	19.5
1 22	6 42.28	+14 53.3	1.782	2.718	7.9	19.7
2 1	6 36.30	+15 17.5	1.838	2.716	11.5	19.9
2 11	6 32.69	+15 43.9	1.917	2.715	14.6	20.1

502916 2015 EC_{19} 1 4.2 213.°29 4.°4/ 3.0 17

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 24.12	+38 33.7	2.884	3.696	9.8	21.9
12 13	7 17.31	+39 1.9	2.804	3.690	7.6	21.7
12 23	7 8.63	+39 22.1	2.750	3.684	5.5	21.6
1 2	6 58.76	+39 30.7	2.725	3.678	4.4	21.5
1 12	6 48.68	+39 25.3	2.731	3.671	5.2	21.5
1 22	6 39.33	+39 6.2	2.765	3.664	7.2	21.7
2 1	6 31.57	+38 35.3	2.827	3.657	9.5	21.8
2 11	6 25.99	+37 55.7	2.913	3.649	11.6	21.9

217779 2000 SS_{18} 1 4.2 50.°68 0.°5/ 4.3 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 23.72	+22 21.1	1.777	2.617	13.7	20.0
12 13	7 17.44	+22 3.0	1.710	2.623	10.0	19.8
12 23	7 8.83	+21 46.3	1.667	2.628	5.7	19.6
1 2	6 58.81	+21 29.5	1.651	2.634	1.2	19.3
1 12	6 48.62	+21 12.1	1.665	2.639	3.6	19.5
1 22	6 39.50	+20 54.1	1.707	2.645	8.0	19.7
2 1	6 32.48	+20 36.5	1.775	2.651	11.9	20.0
2 11	6 28.18	+20 20.0	1.865	2.657	15.2	20.2

55690 2696 $T\text{-}2$ 1 4.2 343.°83 7.°8/ 2.2 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 24.31	+41 38.3	1.843	2.670	13.9	18.5
12 13	7 18.57	+42 43.1	1.773	2.662	11.2	18.3
12 23	7 9.80	+43 36.0	1.727	2.654	8.8	18.1
1 2	6 59.02	+44 9.3	1.707	2.647	7.8	18.0
1 12	6 47.77	+44 17.8	1.713	2.641	8.8	18.1
1 22	6 37.70	+44 1.4	1.744	2.635	11.2	18.2
2 1	6 30.17	+43 23.7	1.799	2.630	14.0	18.4
2 11	6 26.05	+42 31.0	1.874	2.626	16.6	18.5

177378 2004 BX_{57} 1 4.2 237.°80 4.°3/ 5.4 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 21.57	+10 10.9	1.895	2.712	14.0	20.2
12 13	7 15.89	+10 11.0	1.813	2.705	10.8	19.9
12 23	7 8.02	+10 24.3	1.755	2.699	7.3	19.7
1 2	6 58.69	+10 50.8	1.724	2.692	4.5	19.5
1 12	6 48.97	+11 29.1	1.721	2.685	5.2	19.6
1 22	6 39.98	+12 16.0	1.747	2.678	8.5	19.7
2 1	6 32.74	+13 8.3	1.800	2.670	12.1	19.9
2 11	6 27.97	+14 2.6	1.875	2.663	15.3	20.1

105143 2000 NJ_{12} 1 4.2 111.°65 2.°5/ 4.7 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 20.71	+14 42.0	2.772	3.584	10.2	19.7
12 13	7 14.48	+14 11.6	2.707	3.601	7.6	19.6
12 23	7 6.85	+13 46.2	2.669	3.617	4.8	19.4
1 2	6 58.44	+13 26.3	2.661	3.634	2.7	19.3
1 12	6 49.98	+13 11.8	2.684	3.650	3.5	19.4
1 22	6 42.19	+13 2.4	2.739	3.665	6.0	19.6
2 1	6 35.70	+12 57.8	2.821	3.680	8.6	19.8
2 11	6 30.93	+12 57.1	2.929	3.695	10.8	20.0

253012 2002 RD_{114} 1 4.2 66.°08 0.°1/ 4.3 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 17.81	+21 31.1	2.904	3.732	9.3	20.3
12 13	7 12.44	+21 46.8	2.846	3.754	6.7	20.1
12 23	7 5.72	+22 4.5	2.816	3.776	3.8	20.0
1 2	6 58.23	+22 22.6	2.815	3.798	0.7	19.8
1 12	6 50.68	+22 39.6	2.846	3.820	2.4	19.9
1 22	6 43.75	+22 54.5	2.907	3.841	5.3	20.2
2 1	6 38.04	+23 7.0	2.996	3.863	7.9	20.4
2 11	6 33.98	+23 16.9	3.111	3.885	10.1	20.6

19238 1994 AV_1 1 4.2 326.°48 1.°8/ 4.1 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 23.82	+27 8.0	1.266	2.127	16.8	17.5
12 13	7 18.69	+27 1.8	1.188	2.110	12.4	17.2
12 23	7 10.10	+26 52.6	1.130	2.095	7.3	16.9
1 2	6 59.12	+26 36.4	1.098	2.079	2.2	16.5
1 12	6 47.51	+26 10.8	1.091	2.065	5.1	16.7
1 22	6 37.19	+25 36.5	1.109	2.052	10.7	17.0
2 1	6 29.78	+24 56.8	1.150	2.040	15.9	17.2
2 11	6 26.24	+24 15.6	1.210	2.028	20.3	17.5

80762 2000 CG_{54} 1 4.2 166.°45 0.°1/ 4.2 18 R

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 24.56	+22 44.7	2.325	3.151	11.4	19.6
12 13	7 17.66	+22 50.4	2.251	3.157	8.3	19.4
12 23	7 8.83	+22 57.4	2.202	3.162	4.7	19.2
1 2	6 58.82	+23 3.6	2.183	3.166	0.9	18.9
1 12	6 48.62	+23 7.3	2.196	3.169	3.0	19.1
1 22	6 39.22	+23 8.0	2.239	3.172	6.7	19.4
2 1	6 31.49	+23 5.8	2.310	3.174	10.0	19.6
2 11	6 26.01	+23 1.5	2.405	3.176	12.8	19.8

304837 2007 RK_{32} 1 4.2 138.°75 6.°2/ 2.9 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 32.75	+39 37.6	2.063	2.875	13.2	20.9
12 13	7 24.09	+40 32.3	2.006	2.890	10.3	20.8
12 23	7 12.66	+41 15.3	1.974	2.904	7.6	20.6
1 2	6 59.53	+41 39.9	1.970	2.918	6.3	20.6
1 12	6 46.24	+41 42.4	1.995	2.930	7.2	20.7
1 22	6 34.29	+41 23.6	2.049	2.942	9.6	20.8
2 1	6 24.89	+40 47.7	2.128	2.953	12.3	21.0
2 11	6 18.72	+40 0.6	2.229	2.963	14.7	21.2

416863 2005 NK_{68} 1 4.2 120.°29 0.°7/ 4.1 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 25.53	+24 23.6	2.231	3.059	11.8	22.6
12 13	7 18.31	+24 34.2	2.171	3.078	8.5	22.4
12 23	7 9.15	+24 44.9	2.137	3.097	4.8	22.2
1 2	6 58.88	+24 53.0	2.133	3.115	1.1	22.0
1 12	6 48.53	+24 56.8	2.160	3.133	3.2	22.2
1 22	6 39.14	+24 55.9	2.217	3.149	6.8	22.4
2 1	6 31.56	+24 51.0	2.302	3.166	10.1	22.7
2 11	6 26.33	+24 43.1	2.410	3.181	12.8	22.9

158895 2004 PD_{85} 1 4.2 113.°64 1.°0/ 4.5 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 27.00	+18 56.1	1.761	2.591	14.3	20.8
12 13	7 19.72	+19 11.5	1.704	2.612	10.4	20.6
12 23	7 10.09	+19 32.7	1.672	2.631	6.0	20.4
1 2	6 59.05	+19 57.0	1.668	2.650	1.5	20.1
1 12	6 47.92	+20 21.5	1.694	2.668	3.7	20.3
1 22	6 37.94	+20 44.4	1.749	2.686	8.0	20.6
2 1	6 30.13	+21 4.6	1.831	2.702	11.9	20.9
2 11	6 25.14	+21 22.1	1.935	2.719	15.0	21.1

411660 2011 WE_{21} 1 4.2 291.°90 2.°6/ 4.6 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 23.60	+17 17.6	1.594	2.433	15.1	21.3
12 13	7 17.69	+16 52.8	1.518	2.428	11.2	21.0
12 23	7 9.16	+16 34.3	1.465	2.422	6.9	20.8
1 2	6 58.92	+16 22.1	1.438	2.417	2.9	20.5
1 12	6 48.31	+16 15.7	1.440	2.412	4.6	20.6
1 22	6 38.70	+16 14.2	1.469	2.407	9.1	20.9
2 1	6 31.30	+16 17.2	1.523	2.402	13.4	21.1
2 11	6 26.87	+16 23.6	1.598	2.397	17.0	21.3

52085 2002 RC_{102} 1 4.2 77.°98 1.°9/ 3.8 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 27.30	+26 14.3	1.684	2.524	14.4	19.0
12 13	7 20.05	+26 47.7	1.638	2.550	10.4	18.8
12 23	7 10.28	+27 20.1	1.616	2.577	6.0	18.6
1 2	6 59.09	+27 46.9	1.623	2.603	2.1	18.4
1 12	6 47.89	+28 4.6	1.658	2.629	4.3	18.6
1 22	6 38.05	+28 12.6	1.722	2.654	8.4	18.9
2 1	6 30.60	+28 12.0	1.811	2.680	12.1	19.2
2 11	6 26.14	+28 5.4	1.923	2.704	15.2	19.4

250169 2002 TJ_{102} 1 4.2 84.°69 1.°9/ 4.6 16

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 26.37	+17 37.4	1.783	2.612	14.2	21.7
12 13	7 19.07	+17 31.9	1.736	2.641	10.4	21.6
12 23	7 9.61	+17 32.6	1.713	2.670	6.1	21.4
1 2	6 58.97	+17 38.0	1.719	2.699	2.2	21.2
1 12	6 48.37	+17 46.6	1.754	2.727	3.8	21.4
1 22	6 38.99	+17 56.9	1.819	2.754	7.8	21.7
2 1	6 31.74	+18 8.2	1.910	2.781	11.4	21.9
2 11	6 27.15	+18 19.8	2.023	2.807	14.4	22.2

317637 2003 EZ_1 1 4.2 299.°40 4.°1/ 3.3 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 24.60	+31 47.9	1.739	2.581	13.9	20.5
12 13	7 18.64	+32 29.4	1.660	2.570	10.4	20.2
12 23	7 9.83	+33 6.8	1.604	2.559	6.7	20.0
1 2	6 59.07	+33 34.0	1.575	2.548	4.2	19.8
1 12	6 47.80	+33 46.5	1.575	2.537	5.8	19.9
1 22	6 37.53	+33 43.1	1.601	2.526	9.6	20.1
2 1	6 29.61	+33 25.9	1.652	2.515	13.4	20.3
2 11	6 24.89	+32 58.7	1.725	2.505	16.7	20.5

336702 2010 CN_{39} 1 4.2 173.°88 1.°5/ 4.7 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 19.47	+16 46.2	2.655	3.475	10.3	21.3
12 13	7 13.83	+16 54.8	2.576	3.477	7.6	21.1
12 23	7 6.62	+17 8.7	2.523	3.479	4.6	20.9
1 2	6 58.44	+17 26.9	2.501	3.480	1.7	20.7
1 12	6 50.06	+17 47.9	2.509	3.481	2.9	20.8
1 22	6 42.26	+18 10.2	2.547	3.481	6.0	21.0
2 1	6 35.74	+18 32.7	2.614	3.481	8.9	21.2
2 11	6 31.03	+18 54.6	2.706	3.481	11.4	21.4

12029 1997 AQ_{22} 1 4.2 272.°85 1.°4/ 4.6 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 21.17	+17 14.3	2.045	2.875	12.6	18.1
12 13	7 15.63	+17 36.9	1.953	2.860	9.3	17.9
12 23	7 7.92	+18 7.5	1.886	2.844	5.5	17.6
1 2	6 58.72	+18 44.1	1.848	2.828	1.8	17.3
1 12	6 49.03	+19 23.9	1.839	2.812	3.5	17.4
1 22	6 39.96	+20 4.2	1.859	2.796	7.6	17.6
2 1	6 32.53	+20 42.9	1.907	2.780	11.4	17.8
2 11	6 27.51	+21 18.8	1.977	2.764	14.6	18.0

39787 1997 MM_3 1 4.2 69.°88 0.°5/ 3.9 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 32.06	+12 54.9	0.984	1.831	21.6	17.6
12 13	7 25.25	+15 50.7	0.929	1.845	15.8	17.3
12 23	7 14.14	+19 18.5	0.896	1.858	9.0	17.0
1 2	6 59.93	+23 0.9	0.889	1.872	1.6	16.6
1 12	6 44.84	+26 34.3	0.912	1.886	5.9	16.9
1 22	6 31.38	+29 39.5	0.962	1.900	12.7	17.4
2 1	6 21.64	+32 8.0	1.036	1.914	18.3	17.7
2 11	6 16.76	+34 1.4	1.129	1.927	22.6	18.1

322279 2011 FE_9 1 4.2 152.°04 0.°2/ 4.3 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 21.08	+21 11.2	2.578	3.404	10.4	21.6
12 13	7 15.03	+21 28.7	2.504	3.411	7.5	21.4
12 23	7 7.31	+21 49.0	2.458	3.417	4.3	21.2
1 2	6 58.57	+22 10.0	2.441	3.423	0.8	20.9
1 12	6 49.65	+22 29.9	2.455	3.429	2.7	21.1
1 22	6 41.38	+22 47.3	2.500	3.434	6.1	21.3
2 1	6 34.52	+23 1.8	2.573	3.439	9.1	21.5
2 11	6 29.61	+23 13.3	2.671	3.443	11.6	21.7

445120 2008 UL_{225} 1 4.2 88.°34 2.°1/ 3.9 15

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 30.11	+27 7.0	1.523	2.364	15.6	21.6
12 13	7 22.26	+27 29.3	1.476	2.389	11.3	21.4
12 23	7 11.60	+27 49.3	1.453	2.414	6.5	21.2
1 2	6 59.35	+28 2.1	1.457	2.438	2.3	21.0
1 12	6 47.14	+28 4.8	1.490	2.461	4.6	21.2
1 22	6 36.50	+27 57.5	1.551	2.485	9.1	21.5
2 1	6 28.59	+27 42.5	1.637	2.507	13.1	21.8
2 11	6 24.02	+27 23.0	1.745	2.530	16.4	22.1

82468 2001 OF_{20} 1 4.2 79.°71 11.°3/ 8.5 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 18.53	−13 58.8	2.391	3.077	15.0	19.5
12 13	7 13.20	−15 4.9	2.337	3.089	13.6	19.4
12 23	7 6.27	−15 47.2	2.302	3.102	12.3	19.3
1 2	6 58.38	−16 1.7	2.289	3.114	11.5	19.3
1 12	6 50.35	−15 47.3	2.300	3.127	11.4	19.3
1 22	6 42.99	−15 5.9	2.334	3.140	12.0	19.3
2 1	6 37.02	−14 1.7	2.390	3.152	13.1	19.4
2 11	6 32.95	−12 40.8	2.467	3.164	14.3	19.6

144302 2004 DV_4 1 4.2 228.°28 1.°8/ 3.8 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 24.94	+26 56.5	2.029	2.864	12.5	20.7
12 13	7 18.41	+27 21.5	1.946	2.856	9.1	20.4
12 23	7 9.50	+27 45.9	1.887	2.847	5.4	20.2
1 2	6 59.01	+28 5.7	1.858	2.838	2.0	19.9
1 12	6 48.10	+28 17.9	1.858	2.828	4.0	20.1
1 22	6 38.03	+28 21.3	1.887	2.818	7.9	20.3
2 1	6 29.88	+28 16.7	1.943	2.808	11.6	20.5
2 11	6 24.42	+28 6.2	2.022	2.797	14.8	20.7

235630 2004 RX_{38} 1 4.2 135.°99 0.°0/ 4.2 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 25.16	+21 29.6	1.490	2.337	15.6	20.9
12 13	7 19.03	+21 53.2	1.422	2.338	11.4	20.6
12 23	7 10.02	+22 22.1	1.376	2.339	6.5	20.3
1 2	6 59.11	+22 52.5	1.357	2.340	1.2	20.0
1 12	6 47.80	+23 20.4	1.366	2.341	4.2	20.2
1 22	6 37.64	+23 43.2	1.402	2.341	9.3	20.5
2 1	6 29.95	+24 0.4	1.463	2.342	13.8	20.8
2 11	6 25.54	+24 12.7	1.544	2.343	17.5	21.0

148129 1999 TK_{192} 1 4.2 101.°13 2.°5/ 3.9 17

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 30.27	+28 28.6	1.386	2.233	16.5	20.2
12 13	7 22.80	+28 38.1	1.329	2.244	12.1	20.0
12 23	7 12.10	+28 43.4	1.295	2.255	7.1	19.8
1 2	6 59.47	+28 39.7	1.286	2.266	2.7	19.5
1 12	6 46.71	+28 24.4	1.306	2.277	5.1	19.7
1 22	6 35.60	+27 58.4	1.352	2.288	10.0	20.0
2 1	6 27.47	+27 25.3	1.423	2.298	14.4	20.3
2 11	6 23.02	+26 49.2	1.514	2.308	18.0	20.6

426887 2013 WA_{51} 1 4.2 349.°98 5.°1/ 2.9 18

12 3	7 23.80	+36 51.0	2.135	2.963	12.2	20.4
12 13	7 17.62	+37 33.0	2.064	2.962	9.4	20.3
12 23	7 9.03	+38 6.9	2.019	2.960	6.7	20.1
1 2	6 58.91	+38 27.4	2.000	2.959	5.1	20.0
1 12	6 48.50	+38 31.2	2.011	2.958	6.2	20.1
1 22	6 39.07	+38 18.2	2.049	2.957	8.8	20.2
2 1	6 31.68	+37 50.8	2.113	2.957	11.7	20.4
2 11	6 27.06	+37 13.2	2.199	2.956	14.2	20.6

452292 2015 TS_{223} 1 4.2 46.°58 5.°0/ 3.4 17

12 3	7 28.19	+31 29.7	1.195	2.052	17.9	20.4
12 13	7 21.60	+32 23.2	1.157	2.075	13.2	20.2
12 23	7 11.49	+33 9.7	1.140	2.098	8.3	20.0
1 2	6 59.35	+33 40.7	1.148	2.121	5.1	19.9
1 12	6 47.23	+33 51.5	1.181	2.145	7.0	20.0
1 22	6 37.07	+33 42.7	1.240	2.170	11.2	20.3
2 1	6 30.23	+33 18.7	1.321	2.195	15.3	20.7
2 11	6 27.34	+32 45.5	1.421	2.220	18.8	21.0

495017 2010 RK_{121} 1 4.2 347.°40 8.°4/ 4.9 18

12 3	7 20.60	+ 6 55.8	1.395	2.222	17.5	20.0
12 13	7 15.70	+ 5 35.6	1.326	2.215	14.1	19.7
12 23	7 8.11	+ 4 30.9	1.278	2.210	10.7	19.5
1 2	6 58.77	+ 3 47.2	1.254	2.205	8.5	19.4
1 12	6 49.05	+ 3 27.4	1.255	2.202	9.2	19.4
1 22	6 40.36	+ 3 31.1	1.281	2.199	12.1	19.6
2 1	6 33.92	+ 3 55.1	1.329	2.196	15.7	19.8
2 11	6 30.53	+ 4 33.7	1.396	2.195	19.0	20.0

421411 2013 WF_1 1 4.2 54.°70 0.°0/ 4.3 18

12 3	7 20.84	+20 45.6	2.007	2.845	12.5	20.6
12 13	7 15.19	+21 16.3	1.947	2.859	9.0	20.4
12 23	7 7.53	+21 51.3	1.912	2.873	5.1	20.2
1 2	6 58.64	+22 27.7	1.905	2.888	0.9	20.0
1 12	6 49.58	+23 2.5	1.928	2.902	3.2	20.2
1 22	6 41.40	+23 33.4	1.980	2.917	7.2	20.4
2 1	6 34.99	+23 59.5	2.059	2.932	10.6	20.7
2 11	6 30.95	+24 20.7	2.160	2.947	13.5	20.9

273381 2006 VE_{16} 1 4.2 351.°42 4.°5/ 3.4 18

12 3	7 26.43	+29 40.1	1.155	2.017	18.0	20.8
12 13	7 20.88	+30 30.5	1.093	2.015	13.4	20.5
12 23	7 11.47	+31 18.4	1.052	2.012	8.3	20.2
1 2	6 59.43	+31 55.3	1.034	2.011	4.6	20.0
1 12	6 46.82	+32 14.2	1.042	2.009	6.9	20.1
1 22	6 35.82	+32 13.7	1.074	2.009	12.0	20.4
2 1	6 28.19	+31 56.8	1.127	2.009	16.8	20.7
2 11	6 24.86	+31 29.1	1.199	2.009	20.9	20.9

429007 2009 BQ_{69} 1 4.2 192.°52 3.°5/ 3.8 18

12 3	7 25.82	+35 49.2	2.700	3.516	10.3	21.0
12 13	7 18.48	+35 49.5	2.621	3.515	7.8	20.9
12 23	7 9.27	+35 41.9	2.569	3.514	5.2	20.7
1 2	6 58.96	+35 23.3	2.546	3.512	3.5	20.6
1 12	6 48.54	+34 52.8	2.554	3.510	4.4	20.7
1 22	6 39.00	+34 11.1	2.593	3.508	6.9	20.8
2 1	6 31.16	+33 21.1	2.660	3.505	9.5	21.0
2 11	6 25.56	+32 26.0	2.751	3.503	11.8	21.1

439058 2011 HR_{29} 1 4.2 190.°36 2.°2/ 3.7 18

12 3	7 28.19	+26 6.5	1.617	2.458	14.8	21.7
12 13	7 21.24	+26 50.7	1.545	2.457	10.9	21.5
12 23	7 11.31	+27 36.1	1.496	2.456	6.4	21.2
1 2	6 59.38	+28 16.8	1.474	2.455	2.4	21.0
1 12	6 46.98	+28 47.8	1.482	2.452	4.8	21.1
1 22	6 35.68	+29 6.7	1.518	2.450	9.4	21.4
2 1	6 26.88	+29 14.3	1.579	2.446	13.6	21.6
2 11	6 21.42	+29 13.3	1.661	2.442	17.2	21.8

229780 2008 OJ_{21} 1 4.2 7.°66 0.°8/ 4.1 18

12 3	7 22.02	+24 15.5	1.921	2.762	12.8	20.4
12 13	7 16.26	+24 31.3	1.849	2.762	9.3	20.2
12 23	7 8.24	+24 48.2	1.801	2.763	5.3	19.9
1 2	6 58.79	+25 3.4	1.781	2.763	1.2	19.6
1 12	6 49.07	+25 14.4	1.790	2.764	3.6	19.8
1 22	6 40.25	+25 20.0	1.828	2.765	7.7	20.1
2 1	6 33.35	+25 20.6	1.892	2.766	11.4	20.3
2 11	6 29.04	+25 17.1	1.979	2.767	14.6	20.5

143277 2003 AG_{19} 1 4.2 43.°89 2.°8/ 4.9 17

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 23.98	+14 53.4	1.287	2.134	17.5	18.9
12 13	7 17.94	+15 9.7	1.251	2.164	12.9	18.7
12 23	7 9.19	+15 38.8	1.236	2.194	7.8	18.5
1 2	6 58.95	+16 17.7	1.246	2.225	3.2	18.3
1 12	6 48.78	+17 2.0	1.283	2.257	4.7	18.5
1 22	6 40.12	+17 47.7	1.347	2.289	9.3	18.9
2 1	6 34.07	+18 31.7	1.435	2.321	13.5	19.2
2 11	6 31.19	+19 11.9	1.543	2.353	17.0	19.5

227521 2005 YE_{42} 1 4.2 143.°15 0.°8/ 4.1 18

12 3	7 23.79	+25 24.7	2.014	2.851	12.5	20.2
12 13	7 17.41	+25 21.3	1.941	2.852	9.1	20.0
12 23	7 8.83	+25 17.0	1.892	2.853	5.2	19.8
1 2	6 58.91	+25 9.4	1.872	2.854	1.2	19.5
1 12	6 48.78	+24 57.3	1.882	2.856	3.5	19.7
1 22	6 39.59	+24 40.6	1.921	2.857	7.5	19.9
2 1	6 32.31	+24 20.6	1.987	2.858	11.1	20.2
2 11	6 27.58	+23 58.9	2.076	2.859	14.2	20.4

451439 2011 SZ_{90} 1 4.2 118.°32 3.°2/ 4.9 15

12 3	7 25.89	+13 40.3	1.868	2.687	14.1	21.8
12 13	7 18.78	+13 29.7	1.809	2.706	10.5	21.6
12 23	7 9.54	+13 28.5	1.775	2.725	6.7	21.4
1 2	6 59.04	+13 36.1	1.769	2.743	3.5	21.3
1 12	6 48.45	+13 51.1	1.793	2.761	4.5	21.4
1 22	6 38.90	+14 11.6	1.846	2.777	8.0	21.6
2 1	6 31.33	+14 35.8	1.926	2.793	11.6	21.9
2 11	6 26.33	+15 1.9	2.028	2.809	14.5	22.1

414962 2011 CD_7 1 4.2 9.°07 3.°2/ 4.0 18

12 3	7 24.13	+31 3.1	1.412	2.266	15.8	20.1
12 13	7 18.42	+30 57.7	1.351	2.268	11.7	19.8
12 23	7 9.67	+30 44.9	1.311	2.271	7.1	19.6
1 2	6 59.08	+30 20.9	1.297	2.275	3.4	19.4
1 12	6 48.33	+29 44.2	1.310	2.280	5.3	19.5
1 22	6 39.05	+28 56.9	1.349	2.287	9.8	19.8
2 1	6 32.52	+28 3.2	1.412	2.294	14.0	20.1
2 11	6 29.43	+27 7.5	1.496	2.302	17.6	20.3

407277 2010 FB_{86} 1 4.2 249.°68 0.°9/ 4.4 18

12 3	7 24.95	+19 28.7	1.732	2.568	14.2	21.7
12 13	7 18.75	+19 42.2	1.643	2.554	10.5	21.5
12 23	7 9.88	+20 2.1	1.579	2.539	6.1	21.2
1 2	6 59.16	+20 25.9	1.543	2.524	1.5	20.9
1 12	6 47.85	+20 50.6	1.535	2.509	3.9	21.0
1 22	6 37.36	+21 13.9	1.556	2.493	8.7	21.2
2 1	6 28.93	+21 34.8	1.602	2.477	13.1	21.5
2 11	6 23.46	+21 52.8	1.671	2.461	16.8	21.7

358129 2006 QJ_{54} 1 4.2 127.°43 5.°1/ 2.7 18

12 3	7 28.15	+33 41.8	1.875	2.707	13.5	20.4
12 13	7 20.99	+34 55.1	1.815	2.717	10.2	20.2
12 23	7 11.07	+36 2.8	1.780	2.727	6.9	20.0
1 2	6 59.35	+36 57.3	1.772	2.736	5.1	20.0
1 12	6 47.28	+37 33.6	1.794	2.745	6.5	20.1
1 22	6 36.33	+37 50.2	1.844	2.754	9.5	20.3
2 1	6 27.76	+37 49.3	1.919	2.762	12.7	20.5
2 11	6 22.34	+37 35.5	2.016	2.770	15.5	20.7

196875 2003 SN_{298} 1 4.2 183.°16 4.°8/ 5.5 18

12 3	7 19.81	+ 7 5.0	2.486	3.281	11.7	20.9
12 13	7 14.13	+ 6 43.5	2.407	3.281	9.2	20.7
12 23	7 6.85	+ 6 33.2	2.353	3.281	6.7	20.5
1 2	6 58.56	+ 6 35.0	2.327	3.281	4.9	20.4
1 12	6 50.06	+ 6 48.7	2.330	3.280	5.3	20.5
1 22	6 42.15	+ 7 12.9	2.363	3.279	7.4	20.6
2 1	6 35.55	+ 7 45.4	2.424	3.278	10.0	20.7
2 11	6 30.82	+ 8 23.4	2.508	3.276	12.4	20.9

76221 2000 EH_{69} 1 4.2 309.°51 4.°9/ 5.4 18

12 3	7 18.97	+ 8 33.8	2.111	2.921	13.0	19.4
12 13	7 13.82	+ 8 11.6	2.031	2.916	10.2	19.2
12 23	7 6.79	+ 8 1.4	1.975	2.911	7.2	19.0
1 2	6 58.57	+ 8 4.3	1.946	2.906	5.1	18.9
1 12	6 50.06	+ 8 20.0	1.946	2.902	5.6	18.9
1 22	6 42.21	+ 8 46.8	1.974	2.897	8.2	19.1
2 1	6 35.88	+ 9 22.1	2.028	2.893	11.2	19.2
2 11	6 31.69	+10 3.0	2.105	2.888	14.0	19.4

247932 2003 WB_{159} 1 4.2 109.°10 3.°1/ 3.3 18

12 3	7 23.65	+30 40.4	2.276	3.107	11.4	20.6
12 13	7 17.23	+31 28.2	2.213	3.119	8.4	20.4
12 23	7 8.72	+32 12.7	2.176	3.130	5.3	20.2
1 2	6 58.92	+32 49.4	2.168	3.140	3.2	20.1
1 12	6 48.90	+33 15.0	2.190	3.151	4.5	20.2
1 22	6 39.74	+33 28.5	2.241	3.162	7.5	20.4
2 1	6 32.38	+33 30.8	2.320	3.172	10.5	20.6
2 11	6 27.43	+33 24.4	2.421	3.182	13.0	20.8

428167 2006 SM_{373} 1 4.2 192.°86 0.°2/ 4.3 17

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 19.59	+21 17.3	2.692	3.520	10.0	22.1
12 13	7 13.98	+21 32.2	2.612	3.518	7.2	21.9
12 23	7 6.77	+21 49.8	2.557	3.517	4.1	21.7
1 2	6 58.56	+22 8.2	2.533	3.516	0.8	21.5
1 12	6 50.13	+22 25.8	2.540	3.514	2.6	21.6
1 22	6 42.27	+22 41.3	2.577	3.512	5.9	21.8
2 1	6 35.71	+22 54.3	2.643	3.509	8.8	22.0
2 11	6 31.00	+23 4.7	2.732	3.507	11.3	22.2

318934 2005 UT_{111} 1 4.2 107.°73 0.°1/ 4.2 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 23.97	+22 36.2	2.031	2.864	12.5	21.5
12 13	7 17.42	+22 43.2	1.968	2.878	9.1	21.3
12 23	7 8.79	+22 52.0	1.930	2.891	5.1	21.1
1 2	6 58.93	+23 0.3	1.921	2.904	0.9	20.8
1 12	6 48.94	+23 6.3	1.942	2.917	3.3	21.0
1 22	6 39.91	+23 9.0	1.993	2.929	7.2	21.3
2 1	6 32.75	+23 8.9	2.071	2.941	10.7	21.5
2 11	6 28.06	+23 6.5	2.171	2.953	13.7	21.7

340972 2007 EM_{130} 1 4.2 45.°45 2.°7/ 4.7 17

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 24.61	+16 31.6	1.138	1.994	18.7	20.4
12 13	7 18.92	+16 30.0	1.090	2.008	13.8	20.2
12 23	7 10.02	+16 40.3	1.062	2.023	8.3	19.9
1 2	6 59.18	+17 0.4	1.058	2.038	3.2	19.7
1 12	6 48.19	+17 27.1	1.080	2.054	5.2	19.9
1 22	6 38.80	+17 56.9	1.126	2.070	10.5	20.2
2 1	6 32.33	+18 27.3	1.195	2.087	15.3	20.5
2 11	6 29.51	+18 56.3	1.284	2.104	19.2	20.8

462504 2008 WU_{32} 1 4.2 88.°80 5.°4/ 2.5 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 26.82	+37 15.5	2.276	3.097	11.8	21.4
12 13	7 19.62	+38 26.3	2.228	3.119	9.1	21.2
12 23	7 10.11	+39 28.5	2.205	3.141	6.6	21.1
1 2	6 59.18	+40 16.3	2.211	3.163	5.4	21.1
1 12	6 48.07	+40 45.9	2.247	3.184	6.3	21.2
1 22	6 37.99	+40 56.8	2.311	3.206	8.6	21.3
2 1	6 29.96	+40 51.4	2.400	3.226	11.1	21.5
2 11	6 24.64	+40 33.9	2.512	3.247	13.2	21.7

204607 2005 JA_{29} 1 4.2 40.°31 2.°2/ 4.9 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 19.13	+14 40.1	2.227	3.052	11.9	20.1
12 13	7 13.86	+14 54.7	2.152	3.054	8.8	19.9
12 23	7 6.78	+15 17.7	2.103	3.057	5.5	19.7
1 2	6 58.57	+15 47.9	2.082	3.059	2.5	19.5
1 12	6 50.12	+16 23.2	2.091	3.062	3.5	19.6
1 22	6 42.34	+17 1.2	2.129	3.065	6.8	19.8
2 1	6 36.05	+17 39.9	2.195	3.068	10.1	20.0
2 11	6 31.84	+18 17.5	2.284	3.071	12.9	20.2

134971 2001 EE_{21} 1 4.2 242.°24 8.°5/ 6.1 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 21.43	+ 1 6.8	1.785	2.573	15.9	20.2
12 13	7 15.88	+ 0 23.6	1.708	2.568	13.2	20.0
12 23	7 8.10	− 0 0.1	1.653	2.562	10.5	19.8
1 2	6 58.84	− 0 0.7	1.623	2.556	8.7	19.7
1 12	6 49.20	+ 0 22.6	1.619	2.551	8.9	19.7
1 22	6 40.33	+ 1 7.5	1.642	2.545	11.0	19.8
2 1	6 33.26	+ 2 9.5	1.688	2.538	13.8	20.0
2 11	6 28.73	+ 3 22.4	1.757	2.532	16.6	20.1

427086 2014 UA_{44} 1 4.2 43.°92 6.°4/ 2.9 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 26.67	+36 40.9	1.593	2.432	15.1	20.4
12 13	7 20.21	+37 42.8	1.544	2.447	11.6	20.2
12 23	7 10.69	+38 34.4	1.518	2.462	8.2	20.0
1 2	6 59.30	+39 8.1	1.518	2.477	6.4	20.0
1 12	6 47.74	+39 19.3	1.545	2.493	7.7	20.1
1 22	6 37.66	+39 8.4	1.598	2.509	10.7	20.3
2 1	6 30.36	+38 39.7	1.675	2.525	13.9	20.5
2 11	6 26.54	+37 59.0	1.772	2.542	16.7	20.8

185312 2006 UV_{325} 1 4.2 293.°44 1.°8/ 4.6 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 22.32	+17 57.0	1.732	2.570	14.1	20.8
12 13	7 16.69	+17 51.4	1.653	2.563	10.5	20.6
12 23	7 8.62	+17 52.2	1.597	2.555	6.3	20.3
1 2	6 58.94	+17 58.4	1.568	2.548	2.2	20.1
1 12	6 48.86	+18 8.4	1.568	2.541	4.0	20.2
1 22	6 39.66	+18 20.6	1.595	2.534	8.4	20.4
2 1	6 32.46	+18 34.1	1.648	2.527	12.5	20.6
2 11	6 28.02	+18 48.0	1.723	2.520	16.1	20.9

3803 Tuchkova 1 4.2 303.°26 3.°6/ 4.7 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 20.69	+13 42.4	2.163	2.984	12.3	16.0
12 13	7 15.00	+13 1.2	2.083	2.979	9.4	15.8
12 23	7 7.44	+12 26.6	2.027	2.975	6.2	15.6
1 2	6 58.70	+11 59.7	2.000	2.970	3.7	15.4
1 12	6 49.72	+11 41.0	2.003	2.966	4.6	15.5
1 22	6 41.46	+11 30.6	2.034	2.962	7.7	15.6
2 1	6 34.76	+11 27.7	2.092	2.958	10.9	15.8
2 11	6 30.23	+11 30.9	2.173	2.953	13.7	16.0

517159 2013 LP_{29} 1 4.2 125.°92 4.°2/ 6.0 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 32.18	+ 6 38.0	1.216	2.032	20.2	21.1
12 13	7 24.57	+ 8 16.6	1.152	2.045	15.5	20.8
12 23	7 13.43	+10 26.7	1.110	2.058	10.0	20.5
1 2	6 59.87	+13 1.6	1.095	2.070	4.9	20.3
1 12	6 45.71	+15 48.5	1.110	2.081	5.7	20.4
1 22	6 32.91	+18 32.9	1.153	2.092	10.9	20.7
2 1	6 23.12	+21 3.7	1.223	2.101	16.0	21.0
2 11	6 17.32	+23 15.3	1.314	2.110	20.2	21.3

65581 4275 T_{-2} 1 4.2 138.°55 3.°4/ 5.1 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 25.60	+12 56.5	1.762	2.583	14.7	20.3
12 13	7 18.82	+12 59.3	1.697	2.594	11.0	20.1
12 23	7 9.69	+13 13.4	1.655	2.605	7.0	19.9
1 2	6 59.13	+13 37.8	1.641	2.616	3.7	19.7
1 12	6 48.34	+14 10.3	1.657	2.625	4.7	19.8
1 22	6 38.55	+14 48.0	1.701	2.634	8.5	20.0
2 1	6 30.80	+15 28.2	1.771	2.642	12.2	20.3
2 11	6 25.78	+16 8.6	1.864	2.650	15.4	20.5

456259 2006 QT_{148} 1 4.2 38.°33 2.°6/ 4.9 16

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 23.38	+15 19.1	1.187	2.040	18.3	20.9
12 13	7 17.72	+15 38.5	1.151	2.068	13.4	20.7
12 23	7 9.17	+16 11.1	1.137	2.096	8.0	20.4
1 2	6 59.01	+16 53.6	1.146	2.126	3.1	20.2
1 12	6 48.92	+17 41.2	1.182	2.157	4.8	20.4
1 22	6 40.42	+18 29.3	1.244	2.188	9.7	20.8
2 1	6 34.66	+19 14.6	1.329	2.219	14.1	21.2
2 11	6 32.23	+19 55.2	1.434	2.251	17.7	21.5

223678 2004 PH_{82} 1 4.2 118.°95 2.°1/ 3.8 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 24.56	+28 3.9	2.085	2.919	12.2	21.2
12 13	7 17.94	+28 28.7	2.020	2.929	8.9	21.0
12 23	7 9.15	+28 51.3	1.980	2.938	5.3	20.8
1 2	6 59.03	+29 8.1	1.969	2.948	2.2	20.6
1 12	6 48.73	+29 16.6	1.988	2.957	4.0	20.7
1 22	6 39.39	+29 16.0	2.036	2.965	7.5	20.9
2 1	6 31.97	+29 7.6	2.111	2.974	10.9	21.2
2 11	6 27.11	+28 53.5	2.209	2.982	13.7	21.4

298979 2004 WL_1 1 4.2 17.°55 1.°1/ 4.1 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 22.08	+23 55.7	1.072	1.943	18.4	20.3
12 13	7 17.47	+24 15.5	1.022	1.949	13.4	20.1
12 23	7 9.38	+24 38.6	0.991	1.957	7.6	19.8
1 2	6 59.10	+24 59.9	0.983	1.966	1.7	19.4
1 12	6 48.55	+25 15.2	1.001	1.976	5.1	19.7
1 22	6 39.66	+25 22.6	1.042	1.988	10.8	20.1
2 1	6 33.88	+25 22.8	1.104	2.000	15.9	20.4
2 11	6 31.99	+25 17.6	1.186	2.014	20.0	20.7

522509 2016 ER_{233} 1 4.2 244.°64 4.°3/ 3.0 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 23.95	+34 13.6	2.226	3.056	11.7	21.2
12 13	7 17.68	+34 59.4	2.151	3.052	8.9	21.0
12 23	7 9.11	+35 39.7	2.101	3.048	6.0	20.8
1 2	6 59.04	+36 9.4	2.079	3.044	4.3	20.7
1 12	6 48.62	+36 24.9	2.086	3.040	5.5	20.8
1 22	6 39.04	+36 25.5	2.122	3.035	8.3	20.9
2 1	6 31.36	+36 12.7	2.185	3.031	11.2	21.1
2 11	6 26.28	+35 49.9	2.269	3.027	13.9	21.3

331228 2011 BS_{78} 1 4.2 346.°41 1.°6/ 4.5 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 20.56	+18 52.6	1.566	2.414	14.9	20.6
12 13	7 15.61	+18 48.0	1.492	2.408	11.0	20.4
12 23	7 8.08	+18 49.8	1.441	2.402	6.5	20.1
1 2	6 58.87	+18 56.6	1.416	2.397	2.0	19.8
1 12	6 49.28	+19 6.6	1.419	2.393	4.1	19.9
1 22	6 40.66	+19 18.2	1.448	2.390	8.8	20.2
2 1	6 34.19	+19 30.4	1.502	2.387	13.1	20.4
2 11	6 30.66	+19 42.3	1.577	2.385	16.8	20.7

168298 3230 T_{-1} 1 4.2 294.°18 6.°2/ 5.2 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 21.73	+ 8 54.3	1.565	2.389	16.1	19.9
12 13	7 16.51	+ 8 16.1	1.480	2.373	12.7	19.7
12 23	7 8.67	+ 7 52.2	1.416	2.356	9.1	19.4
1 2	6 59.00	+ 7 45.1	1.378	2.340	6.5	19.2
1 12	6 48.76	+ 7 55.6	1.366	2.324	7.2	19.2
1 22	6 39.31	+ 8 22.1	1.381	2.308	10.6	19.4
2 1	6 31.91	+ 9 1.4	1.419	2.292	14.5	19.6
2 11	6 27.44	+ 9 49.1	1.478	2.277	18.2	19.8

416258 2003 ED_{48} 1 4.2 268.°76 3.°2/ 3.8 17

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 28.34	+32 32.5	2.198	3.022	12.0	20.7
12 13	7 20.97	+32 37.3	2.094	2.995	9.1	20.5
12 23	7 11.07	+32 35.5	2.016	2.968	5.8	20.2
1 2	6 59.44	+32 23.0	1.967	2.940	3.3	20.0
1 12	6 47.30	+31 57.3	1.948	2.912	4.7	20.1
1 22	6 35.95	+31 18.9	1.959	2.883	8.2	20.2
2 1	6 26.56	+30 30.6	1.998	2.854	11.8	20.4
2 11	6 19.95	+29 36.5	2.061	2.824	14.9	20.6

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
85768 1998 TV_{29}			1 4.2	167.°84	3.°7/ 4.9	18
	h m	° ′			°	m
12 3	7 26.01	+13 33.5	1.772	2.593	14.6	19.7
12 13	7 19.16	+13 12.5	1.700	2.598	11.0	19.5
12 23	7 9.93	+13 1.1	1.652	2.602	7.1	19.3
1 2	6 59.21	+12 59.3	1.632	2.605	3.9	19.1
1 12	6 48.21	+13 6.3	1.640	2.607	5.0	19.2
1 22	6 38.19	+13 20.6	1.678	2.609	8.7	19.4
2 1	6 30.20	+13 40.6	1.741	2.610	12.5	19.6
2 11	6 24.95	+14 4.1	1.827	2.611	15.8	19.9
78966 2003 SO_{275}			1 4.2	28.°68	0.°5/ 4.4	18
12 3	7 21.25	+21 2.5	1.891	2.731	13.0	19.9
12 13	7 15.68	+21 8.0	1.822	2.735	9.5	19.7
12 23	7 7.93	+21 17.1	1.778	2.739	5.4	19.5
1 2	6 58.83	+21 27.9	1.761	2.743	1.1	19.2
1 12	6 49.51	+21 38.3	1.773	2.748	3.4	19.4
1 22	6 41.08	+21 47.1	1.814	2.753	7.6	19.6
2 1	6 34.53	+21 54.0	1.881	2.758	11.3	19.9
2 11	6 30.50	+21 58.9	1.970	2.763	14.5	20.1
109936 2001 SD_{39}			1 4.3	143.°54	6.°7/ 2.5	18
12 3	7 29.67	+40 39.9	2.092	2.906	12.9	20.1
12 13	7 22.08	+41 44.8	2.031	2.914	10.3	19.9
12 23	7 11.70	+42 38.4	1.995	2.921	7.9	19.8
1 2	6 59.55	+43 13.7	1.986	2.928	6.7	19.7
1 12	6 47.09	+43 26.5	2.006	2.934	7.7	19.8
1 22	6 35.81	+43 16.9	2.053	2.940	9.9	19.9
2 1	6 26.94	+42 48.4	2.125	2.946	12.5	20.1
2 11	6 21.24	+42 6.7	2.218	2.951	14.8	20.3
418844 2008 WZ_{55}			1 4.3	215.°15	4.°3/ 2.9	18
12 3	7 24.01	+34 40.4	2.369	3.195	11.2	21.0
12 13	7 17.64	+35 29.5	2.293	3.192	8.5	20.8
12 23	7 9.07	+36 13.0	2.243	3.189	5.8	20.6
1 2	6 59.06	+36 46.2	2.222	3.185	4.3	20.5
1 12	6 48.71	+37 5.4	2.230	3.181	5.4	20.6
1 22	6 39.14	+37 9.7	2.268	3.177	8.0	20.8
2 1	6 31.36	+37 0.6	2.331	3.173	10.8	20.9
2 11	6 26.07	+36 41.3	2.418	3.168	13.3	21.1
235494 2004 BZ_{91}			1 4.3	25.°21	5.°4/ 6.2	18
12 3	7 18.62	+ 5 35.2	2.045	2.847	13.6	19.9
12 13	7 13.59	+ 5 40.3	1.973	2.850	10.8	19.7
12 23	7 6.69	+ 6 1.7	1.924	2.854	7.8	19.6
1 2	6 58.61	+ 6 39.5	1.902	2.858	5.6	19.4
1 12	6 50.29	+ 7 32.0	1.909	2.863	5.9	19.5
1 22	6 42.66	+ 8 35.7	1.943	2.867	8.2	19.6
2 1	6 36.58	+ 9 46.3	2.005	2.872	11.2	19.8
2 11	6 32.67	+10 59.4	2.090	2.877	13.9	20.0
329404 2002 CS_{21}			1 4.3	278.°92	3.°4/ 5.4	18
12 3	7 20.78	+11 15.7	1.954	2.773	13.5	20.8
12 13	7 15.42	+11 38.6	1.866	2.762	10.3	20.5
12 23	7 7.88	+12 15.2	1.803	2.751	6.7	20.3
1 2	6 58.86	+13 4.3	1.767	2.740	3.7	20.1
1 12	6 49.38	+14 3.1	1.760	2.729	4.5	20.1
1 22	6 40.54	+15 7.9	1.783	2.718	8.0	20.3
2 1	6 33.35	+16 14.8	1.832	2.706	11.7	20.5
2 11	6 28.57	+17 20.3	1.905	2.695	15.0	20.7
217032 2001 PJ_4			1 4.3	77.°07	1.°5/ 3.9	18 R
12 3	7 19.01	+28 21.7	3.079	3.906	8.9	19.9
12 13	7 13.35	+28 30.8	3.016	3.923	6.4	19.8
12 23	7 6.33	+28 37.6	2.981	3.939	3.8	19.6
1 2	6 58.53	+28 40.5	2.976	3.955	1.6	19.5
1 12	6 50.67	+28 38.3	3.003	3.972	2.8	19.6
1 22	6 43.44	+28 30.9	3.059	3.988	5.4	19.8
2 1	6 37.45	+28 18.8	3.144	4.004	7.8	20.0
2 11	6 33.14	+28 3.2	3.254	4.020	9.9	20.1
307629 2003 SE_{84}			1 4.3	89.°15	4.°4/ 5.1	18
12 3	7 26.95	+11 54.6	1.725	2.543	15.1	21.4
12 13	7 19.55	+11 21.9	1.678	2.572	11.4	21.3
12 23	7 9.97	+11 0.4	1.655	2.600	7.5	21.1
1 2	6 59.21	+10 50.7	1.659	2.628	4.6	21.0
1 12	6 48.50	+10 52.3	1.693	2.655	5.5	21.1
1 22	6 39.02	+11 3.5	1.755	2.682	8.7	21.4
2 1	6 31.67	+11 22.0	1.842	2.708	12.1	21.6
2 11	6 27.01	+11 45.4	1.953	2.733	15.0	21.9
47988 2000 YV_{25}			1 4.3	81.°40	1.°6/ 3.9	18
12 3	7 23.02	+25 54.5	1.967	2.806	12.6	19.5
12 13	7 16.99	+26 23.2	1.898	2.810	9.2	19.2
12 23	7 8.71	+26 52.1	1.855	2.815	5.3	19.0
1 2	6 59.01	+27 17.4	1.839	2.820	1.8	18.8
1 12	6 49.06	+27 36.1	1.853	2.825	3.8	19.0
1 22	6 40.02	+27 46.9	1.896	2.829	7.7	19.2
2 1	6 32.91	+27 50.2	1.965	2.834	11.3	19.4
2 11	6 28.40	+27 47.6	2.057	2.839	14.3	19.6

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
25598 1999 YK_{16}			1 4.3	278.°70	3.°7/ 5.5	18 R
	h m	° ′			°	m
12 3	7 19.43	+10 30.7	2.164	2.978	12.6	18.2
12 13	7 14.17	+10 37.0	2.083	2.975	9.6	18.0
12 23	7 7.04	+10 55.0	2.027	2.971	6.4	17.8
1 2	6 58.71	+11 24.3	1.999	2.968	3.9	17.6
1 12	6 50.07	+12 3.3	2.000	2.964	4.5	17.7
1 22	6 42.07	+12 49.4	2.030	2.961	7.5	17.8
2 1	6 35.56	+13 39.5	2.087	2.957	10.7	18.0
2 11	6 31.18	+14 30.9	2.168	2.954	13.5	18.2
269223 2008 OU_{21}			1 4.3	325.°50	0.°9/ 4.5	18
12 3	7 21.27	+19 25.0	2.007	2.842	12.6	20.5
12 13	7 15.65	+19 36.3	1.931	2.841	9.2	20.3
12 23	7 7.93	+19 52.6	1.881	2.840	5.3	20.1
1 2	6 58.87	+20 12.1	1.858	2.840	1.4	19.8
1 12	6 49.52	+20 32.7	1.865	2.839	3.3	19.9
1 22	6 40.96	+20 52.5	1.900	2.838	7.4	20.2
2 1	6 34.14	+21 10.6	1.963	2.838	11.0	20.4
2 11	6 29.72	+21 26.6	2.048	2.837	14.1	20.6
253278 2003 BZ_9			1 4.3	334.°90	3.°0/ 4.9	18
12 3	7 20.36	+14 53.9	1.514	2.357	15.6	20.2
12 13	7 15.57	+14 54.5	1.437	2.348	11.7	20.0
12 23	7 8.15	+15 6.5	1.383	2.339	7.3	19.7
1 2	6 58.95	+15 29.1	1.354	2.331	3.4	19.4
1 12	6 49.27	+16 0.2	1.352	2.324	4.8	19.5
1 22	6 40.50	+16 36.7	1.377	2.318	9.3	19.7
2 1	6 33.89	+17 15.7	1.426	2.312	13.7	20.0
2 11	6 30.26	+17 54.5	1.496	2.306	17.4	20.2
214369 2005 LZ_5			1 4.3	108.°75	1.°1/ 3.9	18
12 3	7 25.32	+22 9.2	1.865	2.700	13.4	20.1
12 13	7 18.74	+23 15.4	1.802	2.713	9.7	19.9
12 23	7 9.75	+24 26.5	1.764	2.725	5.5	19.7
1 2	6 59.23	+25 36.9	1.756	2.737	1.4	19.4
1 12	6 48.38	+26 41.4	1.777	2.749	3.8	19.6
1 22	6 38.48	+27 36.3	1.828	2.761	8.0	19.9
2 1	6 30.62	+28 20.3	1.906	2.773	11.7	20.1
2 11	6 25.50	+28 54.2	2.007	2.784	14.8	20.4
354503 2004 PN_{16}			1 4.3	53.°56	4.°6/ 3.9	17
12 3	7 33.12	+32 5.2	1.170	2.022	18.6	20.0
12 13	7 24.92	+32 31.4	1.141	2.057	13.6	19.8
12 23	7 13.24	+32 48.0	1.134	2.091	8.4	19.7
1 2	6 59.81	+32 48.4	1.152	2.126	4.7	19.5
1 12	6 46.80	+32 30.3	1.195	2.162	6.5	19.8
1 22	6 36.10	+31 56.6	1.265	2.197	10.9	20.1
2 1	6 28.92	+31 13.0	1.357	2.232	15.0	20.4
2 11	6 25.72	+30 25.6	1.470	2.267	18.3	20.8
196719 2003 SM_{107}			1 4.3	167.°52	0.°6/ 4.4	18
12 3	7 21.82	+20 41.9	2.437	3.264	10.9	20.3
12 13	7 15.70	+20 42.4	2.361	3.267	8.0	20.1
12 23	7 7.81	+20 45.6	2.310	3.269	4.6	19.9
1 2	6 58.85	+20 49.9	2.290	3.272	1.1	19.6
1 12	6 49.70	+20 54.2	2.300	3.274	2.9	19.8
1 22	6 41.24	+20 57.7	2.340	3.275	6.4	20.0
2 1	6 34.27	+21 0.0	2.409	3.277	9.5	20.2
2 11	6 29.35	+21 1.4	2.501	3.278	12.2	20.4
414184 2008 CR_{81}			1 4.3	269.°86	5.°5/ 6.2	18
12 3	7 21.39	+ 6 3.9	1.815	2.622	14.9	20.9
12 13	7 15.96	+ 6 16.3	1.731	2.613	11.8	20.7
12 23	7 8.24	+ 6 47.4	1.670	2.604	8.5	20.5
1 2	6 58.97	+ 7 37.4	1.634	2.595	5.9	20.3
1 12	6 49.22	+ 8 44.1	1.628	2.586	6.2	20.3
1 22	6 40.17	+10 3.0	1.649	2.577	9.1	20.5
2 1	6 32.89	+11 28.8	1.697	2.568	12.7	20.6
2 11	6 28.15	+12 56.1	1.767	2.558	15.9	20.8
86881 2000 HD_{27}			1 4.3	154.°71	3.°4/ 5.1	18
12 3	7 25.10	+13 5.8	1.724	2.547	14.9	19.7
12 13	7 18.59	+13 7.0	1.654	2.554	11.2	19.5
12 23	7 9.68	+13 19.7	1.608	2.559	7.1	19.3
1 2	6 59.22	+13 43.0	1.590	2.564	3.7	19.1
1 12	6 48.47	+14 14.8	1.600	2.569	4.8	19.2
1 22	6 38.69	+14 52.1	1.638	2.573	8.6	19.4
2 1	6 30.96	+15 32.3	1.703	2.576	12.5	19.7
2 11	6 26.01	+16 12.9	1.790	2.579	15.9	19.9
424730 2008 SJ_{241}			1 4.3	68.°61	2.°9/ 5.1	18
12 3	7 21.83	+13 37.0	1.981	2.804	13.2	21.1
12 13	7 15.80	+13 40.1	1.928	2.828	9.8	20.9
12 23	7 7.87	+13 52.6	1.901	2.852	6.2	20.7
1 2	6 58.86	+14 13.4	1.901	2.876	3.1	20.6
1 12	6 49.80	+14 40.7	1.931	2.900	4.0	20.7
1 22	6 41.67	+15 12.0	1.989	2.924	7.4	21.0
2 1	6 35.30	+15 45.2	2.075	2.947	10.6	21.2
2 11	6 31.22	+16 18.5	2.184	2.971	13.4	21.4

296957 2010 EJ_{35} 1 4.3 222.°45 1.°7/ 4.6 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 25.32	+17 42.7	1.714	2.547	14.5	21.5
12 13	7 18.96	+17 46.8	1.632	2.540	10.7	21.3
12 23	7 10.01	+17 58.2	1.575	2.533	6.4	21.0
1 2	6 59.32	+18 15.3	1.545	2.525	2.2	20.7
1 12	6 48.16	+18 35.6	1.544	2.517	4.1	20.8
1 22	6 37.89	+18 57.2	1.571	2.509	8.6	21.1
2 1	6 29.71	+19 18.7	1.625	2.500	12.9	21.3
2 11	6 24.45	+19 39.2	1.700	2.490	16.5	21.5

287292 2002 TB_{197} 1 4.3 68.°30 1.°3/ 3.9 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 18.98	+26 46.1	2.971	3.800	9.1	21.3
12 13	7 13.37	+27 7.1	2.916	3.823	6.6	21.1
12 23	7 6.38	+27 27.1	2.888	3.846	3.8	21.0
1 2	6 58.59	+27 43.8	2.889	3.869	1.4	20.8
1 12	6 50.75	+27 55.8	2.922	3.892	2.7	21.0
1 22	6 43.55	+28 2.4	2.986	3.915	5.4	21.2
2 1	6 37.61	+28 4.0	3.078	3.938	7.9	21.4
2 11	6 33.38	+28 1.3	3.194	3.961	10.0	21.6

427215 2014 WS_{10} 1 4.3 325.°83 2.°1/ 4.6 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 21.66	+17 54.1	1.683	2.523	14.4	20.9
12 13	7 16.29	+17 38.8	1.605	2.516	10.6	20.6
12 23	7 8.46	+17 29.7	1.550	2.509	6.4	20.3
1 2	6 59.02	+17 26.1	1.522	2.502	2.5	20.1
1 12	6 49.21	+17 27.0	1.522	2.495	4.2	20.2
1 22	6 40.30	+17 31.4	1.550	2.489	8.6	20.4
2 1	6 33.42	+17 38.3	1.603	2.483	12.7	20.7
2 11	6 29.33	+17 47.0	1.677	2.478	16.3	20.9

217600 2008 JD_6 1 4.3 234.°01 4.°9/ 5.2 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 21.77	+ 8 33.8	2.305	3.106	12.3	20.8
12 13	7 15.80	+ 8 0.6	2.214	3.093	9.7	20.6
12 23	7 7.98	+ 7 37.5	2.148	3.081	7.0	20.4
1 2	6 58.93	+ 7 26.0	2.109	3.067	5.0	20.3
1 12	6 49.54	+ 7 26.5	2.101	3.053	5.5	20.3
1 22	6 40.72	+ 7 38.2	2.121	3.039	8.0	20.4
2 1	6 33.33	+ 7 59.4	2.169	3.024	11.0	20.6
2 11	6 28.00	+ 8 27.6	2.240	3.009	13.7	20.7

377220 2003 YR_{93} 1 4.3 345.°73 1.°1/ 4.1 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 22.50	+26 24.8	2.067	2.905	12.2	20.1
12 13	7 16.53	+26 20.6	1.991	2.903	8.9	19.9
12 23	7 8.42	+26 14.6	1.940	2.901	5.1	19.7
1 2	6 59.00	+26 4.6	1.918	2.899	1.4	19.4
1 12	6 49.36	+25 49.4	1.925	2.898	3.5	19.6
1 22	6 40.61	+25 29.1	1.961	2.896	7.3	19.8
2 1	6 33.68	+25 5.0	2.024	2.895	10.9	20.0
2 11	6 29.23	+24 39.1	2.110	2.894	13.9	20.2

97732 2000 GL_{171} 1 4.3 260.°88 0.°2/ 4.2 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 20.80	+22 3.2	2.345	3.177	11.1	19.7
12 13	7 15.21	+22 28.1	2.256	3.166	8.1	19.4
12 23	7 7.69	+22 56.3	2.194	3.154	4.6	19.2
1 2	6 58.89	+23 25.2	2.160	3.142	0.9	18.9
1 12	6 49.72	+23 52.4	2.157	3.131	3.0	19.1
1 22	6 41.14	+24 15.9	2.183	3.119	6.7	19.3
2 1	6 34.05	+24 35.1	2.237	3.106	10.1	19.5
2 11	6 29.11	+24 50.0	2.315	3.094	13.0	19.6

124146 2001 MQ_{12} 1 4.3 122.°95 0.°2/ 4.3 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 28.89	+21 18.2	1.829	2.658	13.9	20.9
12 13	7 21.12	+21 31.9	1.771	2.678	10.1	20.7
12 23	7 10.99	+21 48.7	1.739	2.698	5.7	20.5
1 2	6 59.48	+22 5.7	1.735	2.718	1.1	20.2
1 12	6 47.88	+22 20.4	1.762	2.736	3.5	20.5
1 22	6 37.45	+22 31.5	1.818	2.753	7.9	20.8
2 1	6 29.22	+22 39.0	1.901	2.770	11.6	21.0
2 11	6 23.80	+22 43.8	2.007	2.785	14.8	21.3

437369 2013 VZ_6 1 4.3 13.°19 3.°9/ 4.3 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 21.49	+17 20.1	1.467	2.315	15.7	19.7
12 13	7 16.12	+16 1.5	1.410	2.322	11.7	19.5
12 23	7 8.27	+14 47.8	1.375	2.331	7.4	19.3
1 2	6 58.98	+13 41.9	1.367	2.342	4.1	19.1
1 12	6 49.61	+12 46.5	1.386	2.353	5.5	19.2
1 22	6 41.49	+12 3.5	1.431	2.367	9.5	19.5
2 1	6 35.64	+11 33.0	1.501	2.381	13.4	19.7
2 11	6 32.66	+11 13.6	1.591	2.396	16.8	20.0

518843 2010 CC_{240} 1 4.3 304.°97 2.°0/ 4.7 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 21.43	+17 3.8	1.971	2.803	12.9	21.7
12 13	7 15.78	+16 58.3	1.895	2.802	9.6	21.5
12 23	7 8.03	+16 59.2	1.844	2.801	5.8	21.2
1 2	6 58.95	+17 5.7	1.820	2.800	2.3	21.0
1 12	6 49.60	+17 16.3	1.826	2.799	3.7	21.1
1 22	6 41.04	+17 29.7	1.861	2.798	7.6	21.3
2 1	6 34.23	+17 44.7	1.922	2.797	11.2	21.5
2 11	6 29.82	+18 0.4	2.006	2.796	14.3	21.8

521006 2015 CV_{36} 1 4.3 114.°45 0.°3/ 4.2 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 20.96	+21 11.9	2.243	3.075	11.5	20.5
12 13	7 15.33	+21 54.3	2.167	3.077	8.4	20.3
12 23	7 7.74	+22 41.3	2.118	3.079	4.8	20.1
1 2	6 58.90	+23 29.5	2.098	3.080	0.9	19.8
1 12	6 49.75	+24 15.7	2.108	3.082	3.1	20.0
1 22	6 41.28	+24 57.1	2.148	3.084	6.8	20.2
2 1	6 34.38	+25 32.5	2.216	3.085	10.2	20.4
2 11	6 29.69	+26 1.7	2.307	3.087	13.0	20.6

399192 2014 GG_8 1 4.3 138.°10 3.°0/ 3.3 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 29.44	+28 32.7	2.052	2.879	12.7	20.7
12 13	7 21.64	+29 39.4	1.991	2.895	9.3	20.5
12 23	7 11.39	+30 44.5	1.955	2.910	5.7	20.3
1 2	6 59.60	+31 41.9	1.950	2.925	3.1	20.2
1 12	6 47.51	+32 26.9	1.975	2.938	4.7	20.3
1 22	6 36.42	+32 57.5	2.031	2.951	8.2	20.6
2 1	6 27.42	+33 14.5	2.113	2.963	11.5	20.8
2 11	6 21.25	+33 20.7	2.219	2.974	14.2	21.0

357935 2005 XP_{111} 1 4.3 252.°50 1.°3/ 4.0 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 26.33	+25 7.4	1.750	2.589	14.0	21.7
12 13	7 19.88	+25 28.1	1.662	2.574	10.3	21.4
12 23	7 10.65	+25 50.0	1.598	2.559	6.0	21.1
1 2	6 59.49	+26 9.0	1.562	2.544	1.6	20.8
1 12	6 47.74	+26 21.6	1.555	2.528	4.2	20.9
1 22	6 36.87	+26 26.2	1.576	2.511	8.8	21.2
2 1	6 28.18	+26 23.5	1.623	2.495	13.1	21.4
2 11	6 22.57	+26 15.5	1.692	2.477	16.8	21.6

46391 2001 YJ_{97} 1 4.3 213.°79 1.°0/ 4.0 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 26.16	+23 17.5	1.690	2.529	14.4	19.5
12 13	7 19.71	+23 51.9	1.612	2.525	10.5	19.2
12 23	7 10.52	+24 29.9	1.559	2.521	6.0	18.9
1 2	6 59.46	+25 7.1	1.534	2.516	1.4	18.6
1 12	6 47.92	+25 39.3	1.537	2.510	4.1	18.8
1 22	6 37.33	+26 3.9	1.569	2.505	8.8	19.1
2 1	6 28.99	+26 20.5	1.626	2.499	13.0	19.3
2 11	6 23.74	+26 30.5	1.705	2.492	16.6	19.5

153204 2000 WR_{129} 1 4.3 74.°21 2.°5/ 3.7 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 24.19	+28 8.8	1.873	2.713	13.1	20.2
12 13	7 17.96	+28 43.3	1.810	2.721	9.6	20.0
12 23	7 9.33	+29 16.0	1.771	2.730	5.7	19.8
1 2	6 59.21	+29 42.4	1.760	2.738	2.6	19.6
1 12	6 48.85	+29 59.3	1.778	2.746	4.4	19.7
1 22	6 39.53	+30 5.4	1.824	2.755	8.2	20.0
2 1	6 32.30	+30 2.0	1.897	2.763	11.8	20.2
2 11	6 27.85	+29 51.5	1.991	2.772	14.8	20.4

168243 2006 KB_{90} 1 4.3 194.°22 1.°2/ 3.9 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 22.29	+26 37.4	2.621	3.449	10.2	20.8
12 13	7 16.04	+26 48.2	2.540	3.447	7.4	20.6
12 23	7 8.05	+26 57.7	2.486	3.445	4.3	20.4
1 2	6 58.96	+27 3.8	2.461	3.442	1.4	20.2
1 12	6 49.66	+27 4.7	2.468	3.439	3.0	20.4
1 22	6 41.03	+27 0.0	2.505	3.436	6.2	20.6
2 1	6 33.85	+26 50.3	2.571	3.432	9.2	20.7
2 11	6 28.70	+26 36.9	2.660	3.429	11.8	20.9

502592 2015 CS_7 1 4.3 210.°16 3.°3/ 3.6 17

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 24.01	+34 34.2	2.732	3.552	10.1	21.8
12 13	7 17.31	+34 47.6	2.651	3.548	7.6	21.6
12 23	7 8.77	+34 54.6	2.596	3.543	5.0	21.4
1 2	6 59.10	+34 52.1	2.571	3.538	3.4	21.3
1 12	6 49.23	+34 38.6	2.577	3.533	4.3	21.4
1 22	6 40.12	+34 14.1	2.612	3.528	6.8	21.5
2 1	6 32.59	+33 40.6	2.676	3.523	9.4	21.7
2 11	6 27.22	+33 1.0	2.764	3.517	11.7	21.9

296188 2009 BH_{161} 1 4.3 322.°33 1.°5/ 3.9 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 23.66	+24 24.8	1.395	2.250	15.9	20.0
12 13	7 18.39	+24 58.5	1.320	2.241	11.7	19.8
12 23	7 9.98	+25 35.7	1.268	2.232	6.8	19.5
1 2	6 59.39	+26 11.3	1.241	2.223	1.9	19.1
1 12	6 48.20	+26 40.4	1.241	2.215	4.8	19.3
1 22	6 38.12	+27 0.0	1.267	2.207	10.0	19.6
2 1	6 30.64	+27 10.2	1.317	2.200	14.8	19.8
2 11	6 26.69	+27 12.7	1.387	2.194	18.8	20.1

88851 2001 SW_{222} 1 4.3 61.°34 1.°0/ 4.0 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 21.17	+24 50.2	2.208	3.044	11.6	20.3
12 13	7 15.44	+25 10.7	2.140	3.051	8.4	20.2
12 23	7 7.78	+25 31.7	2.098	3.059	4.8	19.9
1 2	6 58.93	+25 50.5	2.085	3.066	1.3	19.7
1 12	6 49.89	+26 4.9	2.101	3.074	3.3	19.9
1 22	6 41.65	+26 13.8	2.147	3.081	6.9	20.1
2 1	6 35.08	+26 17.2	2.220	3.089	10.2	20.3
2 11	6 30.77	+26 16.2	2.316	3.097	12.9	20.5

4374 Tadamori 1 4.3 339.°40 4.°0/ 5.1 18 R

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 19.64	+14 16.1	1.048	1.912	19.3	15.8
12 13	7 15.99	+14 12.5	0.979	1.900	14.7	15.5
12 23	7 8.84	+14 25.7	0.928	1.888	9.3	15.1
1 2	6 59.21	+14 55.6	0.900	1.878	4.5	14.8
1 12	6 48.84	+15 39.0	0.895	1.869	6.1	14.9
1 22	6 39.68	+16 31.1	0.913	1.861	11.7	15.2
2 1	6 33.43	+17 26.6	0.953	1.855	17.2	15.4
2 11	6 31.16	+18 20.9	1.010	1.850	21.8	15.7

161524 2004 TU_{16} 1 4.3 218.°56 10.°0/ 4.5 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 26.01	− 0 43.7	1.909	2.675	15.8	19.9
12 13	7 19.15	− 2 27.1	1.830	2.668	13.4	19.7
12 23	7 10.03	− 3 54.5	1.773	2.659	11.3	19.6
1 2	6 59.38	− 4 59.7	1.743	2.651	10.1	19.5
1 12	6 48.33	− 5 38.6	1.740	2.641	10.5	19.5
1 22	6 38.02	− 5 50.5	1.763	2.631	12.3	19.6
2 1	6 29.50	− 5 37.8	1.810	2.620	14.8	19.7
2 11	6 23.52	− 5 6.0	1.877	2.609	17.2	19.9

299018 2004 YK_{21} 1 4.3 28.°43 0.°0/ 4.3 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 23.55	+22 0.8	1.189	2.050	17.6	20.6
12 13	7 18.26	+22 8.1	1.137	2.060	12.8	20.3
12 23	7 9.78	+22 20.0	1.107	2.071	7.3	20.0
1 2	6 59.33	+22 33.1	1.100	2.083	1.4	19.7
1 12	6 48.69	+22 44.3	1.120	2.096	4.6	19.9
1 22	6 39.59	+22 51.7	1.164	2.109	10.1	20.3
2 1	6 33.37	+22 55.6	1.232	2.123	14.9	20.6
2 11	6 30.75	+22 56.5	1.319	2.138	18.8	20.9

446933 2002 XA_{25} 1 4.3 37.°66 3.°4/ 3.7 16

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 41.24	+24 28.8	1.154	1.994	19.6	19.2
12 13	7 30.06	+21 42.6	1.115	2.026	14.3	19.0
12 23	7 15.81	+18 51.2	1.101	2.060	8.3	18.8
1 2	7 0.34	+16 3.4	1.116	2.094	3.6	18.6
1 12	6 45.79	+13 30.4	1.161	2.130	6.2	18.8
1 22	6 33.83	+11 21.0	1.235	2.166	11.2	19.2
2 1	6 25.48	+ 9 39.0	1.335	2.202	15.7	19.6
2 11	6 21.02	+ 8 23.0	1.454	2.239	19.1	19.9

323486 2004 PM_{25} 1 4.3 154.°01 2.°1/ 3.9 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 25.47	+29 13.2	2.366	3.193	11.2	21.6
12 13	7 18.46	+29 27.4	2.296	3.201	8.2	21.4
12 23	7 9.46	+29 38.3	2.251	3.208	4.9	21.2
1 2	6 59.26	+29 42.7	2.236	3.214	2.2	21.0
1 12	6 48.90	+29 38.9	2.252	3.220	3.7	21.2
1 22	6 39.41	+29 26.8	2.298	3.225	6.9	21.4
2 1	6 31.67	+29 7.7	2.372	3.230	10.0	21.6
2 11	6 26.27	+28 44.1	2.469	3.234	12.7	21.8

51893 2001 QD_{25} 1 4.3 22.°20 3.°0/ 3.6 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 22.28	+30 21.2	2.011	2.851	12.4	18.3
12 13	7 16.52	+30 48.9	1.944	2.855	9.1	18.1
12 23	7 8.50	+31 12.9	1.902	2.859	5.6	17.9
1 2	6 59.09	+31 29.2	1.888	2.863	3.1	17.8
1 12	6 49.45	+31 35.1	1.902	2.868	4.6	17.9
1 22	6 40.76	+31 30.0	1.945	2.873	7.9	18.1
2 1	6 34.01	+31 15.5	2.014	2.879	11.3	18.3
2 11	6 29.87	+30 54.1	2.105	2.884	14.1	18.5

467085 2016 EB_4 1 4.3 326.°95 5.°2/ 5.5 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 20.18	+ 9 26.9	1.696	2.519	15.1	20.8
12 13	7 15.18	+ 9 8.4	1.618	2.512	11.7	20.6
12 23	7 7.86	+ 9 4.1	1.563	2.505	8.2	20.3
1 2	6 59.00	+ 9 15.3	1.533	2.498	5.5	20.2
1 12	6 49.74	+ 9 41.2	1.531	2.492	6.1	20.2
1 22	6 41.28	+10 19.3	1.556	2.487	9.3	20.4
2 1	6 34.71	+11 6.0	1.606	2.481	13.0	20.6
2 11	6 30.77	+11 57.3	1.677	2.476	16.3	20.8

364222 2006 RO_{56} 1 4.3 254.°49 3.°2/ 4.9 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 22.61	+14 6.2	1.805	2.632	14.1	21.2
12 13	7 16.87	+13 56.0	1.723	2.625	10.7	21.0
12 23	7 8.80	+13 55.2	1.665	2.617	6.8	20.7
1 2	6 59.18	+14 3.8	1.635	2.610	3.5	20.5
1 12	6 49.15	+14 20.6	1.633	2.602	4.6	20.5
1 22	6 39.92	+14 43.6	1.659	2.594	8.5	20.8
2 1	6 32.57	+15 10.9	1.711	2.585	12.4	21.0
2 11	6 27.84	+15 40.3	1.785	2.577	15.8	21.2

51148 2000 HB_{52} 1 4.3 139.°74 0.°4/ 4.4 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 20.88	+21 10.6	2.386	3.216	11.0	19.5
12 13	7 15.10	+21 16.7	2.311	3.219	8.0	19.3
12 23	7 7.56	+21 25.5	2.263	3.223	4.6	19.1
1 2	6 58.92	+21 35.3	2.244	3.226	1.0	18.8
1 12	6 50.09	+21 44.5	2.255	3.229	2.9	19.0
1 22	6 41.96	+21 52.2	2.296	3.232	6.4	19.2
2 1	6 35.32	+21 58.1	2.365	3.235	9.6	19.4
2 11	6 30.74	+22 2.2	2.457	3.238	12.3	19.6

204695 2006 ER_7 1 4.3 161.°17 0.°2/ 4.3 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 26.53	+21 43.9	1.937	2.768	13.2	21.4
12 13	7 19.51	+21 51.6	1.866	2.774	9.6	21.2
12 23	7 10.19	+22 2.1	1.820	2.780	5.5	21.0
1 2	6 59.43	+22 12.8	1.802	2.785	1.1	20.7
1 12	6 48.42	+22 21.6	1.815	2.789	3.4	20.9
1 22	6 38.38	+22 27.4	1.857	2.792	7.7	21.1
2 1	6 30.32	+22 30.3	1.926	2.795	11.5	21.4
2 11	6 24.93	+22 31.0	2.018	2.798	14.6	21.6

410071 2007 CY_{48} 1 4.3 8.°48 0.°4/ 4.3 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 20.18	+23 9.2	1.139	2.009	17.6	20.1
12 13	7 15.96	+22 46.6	1.084	2.011	12.9	19.9
12 23	7 8.53	+22 25.8	1.050	2.015	7.4	19.6
1 2	6 59.13	+22 5.2	1.039	2.021	1.5	19.2
1 12	6 49.50	+21 44.1	1.053	2.029	4.6	19.4
1 22	6 41.39	+21 22.9	1.091	2.039	10.2	19.8
2 1	6 36.12	+21 2.6	1.152	2.050	15.1	20.1
2 11	6 34.41	+20 44.1	1.231	2.063	19.2	20.4

137199 1999 KX_4 1 4.3 311.°43 1.°5/ 5.1 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 16.37	+ 4 18.7	0.504	1.398	28.7	17.4
12 13	7 17.01	+ 6 40.3	0.418	1.354	23.3	16.8
12 23	7 12.16	+11 3.3	0.344	1.311	15.4	16.0
1 2	7 0.54	+18 15.3	0.285	1.268	4.4	15.1
1 12	6 41.57	+28 32.2	0.247	1.225	10.4	15.0
1 22	6 15.79	+40 40.1	0.230	1.185	26.5	15.3
2 1	5 46.07	+52 13.3	0.233	1.147	41.7	15.7
2 11	5 17.16	+61 40.3	0.247	1.112	53.8	16.1

7936 Mikemagee 1 4.3 64.°28 2.°4/ 3.7 18 R

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 26.98	+24 40.9	1.325	2.178	16.7	17.1
12 13	7 20.68	+25 47.0	1.274	2.193	12.2	16.9
12 23	7 11.18	+26 56.4	1.245	2.207	7.0	16.6
1 2	6 59.64	+28 1.4	1.242	2.222	2.6	16.4
1 12	6 47.81	+28 55.0	1.266	2.237	5.2	16.6
1 22	6 37.44	+29 33.7	1.317	2.253	10.1	16.9
2 1	6 29.93	+29 58.0	1.392	2.268	14.6	17.2
2 11	6 26.07	+30 10.5	1.486	2.283	18.2	17.5

16698 1995 CX 1 4.3 107.°81 2.°8/ 5.2 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 26.29	+12 42.2	1.741	2.561	14.9	17.6
12 13	7 19.36	+13 15.2	1.683	2.581	11.1	17.4
12 23	7 10.10	+14 1.0	1.650	2.602	6.9	17.2
1 2	6 59.43	+14 56.7	1.645	2.621	3.2	17.0
1 12	6 48.58	+15 58.3	1.669	2.640	4.3	17.1
1 22	6 38.80	+17 1.4	1.723	2.658	8.2	17.4
2 1	6 31.10	+18 2.6	1.804	2.676	12.0	17.6
2 11	6 26.13	+18 59.3	1.907	2.693	15.1	17.9

296266 2009 DO_{39} 1 4.3 67.°23 4.°8/ 5.4 17

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 24.36	+11 8.7	1.436	2.267	16.9	20.6
12 13	7 18.25	+10 56.4	1.384	2.285	12.9	20.4
12 23	7 9.55	+10 59.3	1.354	2.303	8.5	20.2
1 2	6 59.32	+11 17.0	1.350	2.321	5.1	20.0
1 12	6 48.97	+11 47.6	1.373	2.339	5.9	20.1
1 22	6 39.88	+12 27.5	1.422	2.357	9.6	20.4
2 1	6 33.15	+13 12.8	1.496	2.375	13.6	20.6
2 11	6 29.43	+13 59.8	1.591	2.393	16.9	20.9

485017 2009 WN_{53} 1 4.3 26.°04 4.°4/ 3.3 17

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 23.06	+26 26.3	0.853	1.737	20.7	19.7
12 13	7 18.89	+27 53.0	0.818	1.750	15.1	19.4
12 23	7 10.54	+29 21.5	0.800	1.766	9.0	19.2
1 2	6 59.54	+30 39.8	0.805	1.784	4.5	19.0
1 12	6 48.33	+31 37.6	0.832	1.803	7.4	19.2
1 22	6 39.25	+32 11.4	0.881	1.823	12.9	19.6
2 1	6 33.97	+32 23.6	0.950	1.845	17.9	20.0
2 11	6 33.22	+32 19.5	1.036	1.868	22.0	20.3

495124 2011 WZ_{26} 1 4.3 95.°84 3.°2/ 4.2 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 29.83	+19 20.6	1.600	2.431	15.4	19.9
12 13	7 22.14	+17 56.6	1.526	2.432	11.5	19.7
12 23	7 11.76	+16 32.7	1.477	2.433	7.0	19.4
1 2	6 59.75	+15 11.3	1.456	2.433	3.4	19.2
1 12	6 47.58	+13 56.0	1.466	2.434	5.2	19.3
1 22	6 36.67	+12 50.2	1.504	2.435	9.5	19.5
2 1	6 28.19	+11 56.3	1.568	2.436	13.7	19.8
2 11	6 22.83	+11 14.5	1.653	2.436	17.2	20.0

347728 2001 XN_{260} 1 4.3 100.°18 1.°6/ 3.9 17

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 28.76	+24 28.6	1.573	2.413	15.2	21.1
12 13	7 21.49	+25 14.2	1.520	2.433	11.0	20.9
12 23	7 11.43	+26 1.5	1.491	2.452	6.3	20.7
1 2	6 59.69	+26 44.9	1.490	2.472	1.9	20.5
1 12	6 47.79	+27 19.7	1.518	2.490	4.4	20.7
1 22	6 37.22	+27 43.7	1.574	2.509	8.9	21.0
2 1	6 29.20	+27 57.7	1.656	2.526	13.0	21.3
2 11	6 24.40	+28 3.8	1.759	2.543	16.3	21.5

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
179098	2001 SY_{199}		1 4.3	69.°84	2.°0/ 4.8	18
	h m	° ′			°	m
12 3	7 23.10	+16 43.7	1.701	2.537	14.5	20.5
12 13	7 17.16	+16 50.8	1.641	2.549	10.7	20.3
12 23	7 8.90	+17 6.3	1.604	2.562	6.4	20.1
1 2	6 59.22	+17 28.3	1.595	2.575	2.4	19.8
1 12	6 49.35	+17 54.2	1.614	2.587	4.0	20.0
1 22	6 40.52	+18 21.9	1.661	2.600	8.1	20.2
2 1	6 33.75	+18 49.3	1.735	2.613	12.0	20.5
2 11	6 29.69	+19 15.4	1.830	2.626	15.3	20.8
401882	2001 QH_{283}		1 4.3	110.°74	2.°9/ 4.9	18
12 3	7 25.46	+14 33.4	2.236	3.048	12.3	21.8
12 13	7 18.23	+14 8.2	2.179	3.073	9.1	21.6
12 23	7 9.23	+13 49.6	2.148	3.097	5.8	21.5
1 2	6 59.26	+13 37.7	2.147	3.120	3.1	21.3
1 12	6 49.28	+13 32.2	2.176	3.143	4.0	21.4
1 22	6 40.21	+13 32.2	2.236	3.164	7.0	21.7
2 1	6 32.84	+13 36.9	2.324	3.186	10.1	21.9
2 11	6 27.65	+13 45.1	2.435	3.206	12.7	22.1
238373	2004 CL_{67}		1 4.3	255.°66	1.°3/ 4.7	18
12 3	7 19.78	+17 34.4	2.367	3.194	11.2	20.5
12 13	7 14.41	+17 47.9	2.284	3.188	8.2	20.3
12 23	7 7.24	+18 7.2	2.226	3.183	4.9	20.1
1 2	6 58.92	+18 31.0	2.197	3.177	1.6	19.8
1 12	6 50.30	+18 57.3	2.198	3.171	3.0	19.9
1 22	6 42.27	+19 24.3	2.229	3.165	6.5	20.1
2 1	6 35.67	+19 50.6	2.287	3.159	9.8	20.3
2 11	6 31.09	+20 15.4	2.370	3.153	12.6	20.5
153799	2001 VZ_{96}		1 4.3	316.°11	7.°4/ 6.7	18
12 3	7 19.83	+ 2 22.7	1.770	2.567	15.7	19.9
12 13	7 14.88	+ 2 12.5	1.690	2.559	12.8	19.7
12 23	7 7.70	+ 2 23.0	1.632	2.551	9.8	19.5
1 2	6 59.02	+ 2 56.3	1.599	2.544	7.7	19.4
1 12	6 49.93	+ 3 51.5	1.592	2.537	7.8	19.4
1 22	6 41.56	+ 5 4.8	1.613	2.530	10.1	19.5
2 1	6 34.94	+ 6 30.5	1.658	2.524	13.2	19.7
2 11	6 30.84	+ 8 2.2	1.726	2.517	16.3	19.9
286625	2002 EF_{14}		1 4.3	248.°74	2.°0/ 4.6	18
12 3	7 24.75	+17 52.7	1.701	2.536	14.5	20.7
12 13	7 18.62	+17 42.9	1.618	2.526	10.8	20.4
12 23	7 9.91	+17 39.5	1.559	2.516	6.5	20.2
1 2	6 59.45	+17 41.3	1.526	2.506	2.4	19.9
1 12	6 48.52	+17 47.0	1.522	2.495	4.2	20.0
1 22	6 38.47	+17 55.3	1.547	2.484	8.7	20.2
2 1	6 30.50	+18 5.4	1.597	2.473	13.0	20.4
2 11	6 25.43	+18 16.5	1.668	2.462	16.6	20.7
89885	2002 CP_{228}		1 4.3	227.°09	0.°4/ 4.2	17 R
12 3	7 20.15	+24 31.1	2.859	3.686	9.5	20.1
12 13	7 14.40	+24 29.6	2.774	3.681	6.9	20.0
12 23	7 7.12	+24 27.9	2.715	3.675	3.9	19.8
1 2	6 58.89	+24 24.5	2.687	3.669	0.8	19.5
1 12	6 50.45	+24 18.5	2.689	3.663	2.6	19.6
1 22	6 42.59	+24 9.4	2.723	3.656	5.6	19.8
2 1	6 35.99	+23 57.8	2.784	3.650	8.5	20.0
2 11	6 31.17	+23 44.4	2.871	3.643	10.9	20.2
461034	2014 WU_{490}		1 4.3	28.°36	3.°8/ 5.8	18
12 3	7 20.53	+ 9 41.6	1.701	2.525	15.0	20.4
12 13	7 15.38	+10 18.0	1.635	2.531	11.5	20.2
12 23	7 7.95	+11 11.5	1.591	2.539	7.6	20.0
1 2	6 59.07	+12 19.9	1.574	2.546	4.2	19.8
1 12	6 49.87	+13 39.0	1.586	2.555	4.8	19.9
1 22	6 41.54	+15 3.3	1.626	2.563	8.4	20.1
2 1	6 35.12	+16 27.5	1.693	2.573	12.2	20.3
2 11	6 31.31	+17 47.5	1.782	2.582	15.5	20.6
29738	Ivobudil		1 4.3	80.°86	2.°0/ 4.7	18
12 3	7 25.42	+17 21.0	1.436	2.278	16.3	18.2
12 13	7 19.21	+17 25.0	1.376	2.288	12.0	17.9
12 23	7 10.22	+17 38.0	1.339	2.298	7.1	17.7
1 2	6 59.49	+17 57.8	1.328	2.308	2.5	17.4
1 12	6 48.52	+18 21.7	1.344	2.318	4.4	17.6
1 22	6 38.80	+18 46.9	1.388	2.328	9.2	17.9
2 1	6 31.54	+19 11.9	1.456	2.338	13.6	18.1
2 11	6 27.48	+19 35.4	1.545	2.348	17.3	18.4
123126	2000 TS_7		1 4.3	207.°49	1.°2/ 4.1	18
12 3	7 27.05	+24 57.7	1.939	2.772	13.1	20.7
12 13	7 20.11	+25 19.5	1.857	2.766	9.6	20.5
12 23	7 10.68	+25 42.2	1.800	2.760	5.5	20.2
1 2	6 59.59	+26 1.9	1.772	2.754	1.5	19.9
1 12	6 48.09	+26 15.6	1.774	2.746	3.8	20.1
1 22	6 37.46	+26 22.0	1.805	2.738	8.1	20.3
2 1	6 28.85	+26 21.7	1.863	2.730	11.9	20.6
2 11	6 23.04	+26 16.3	1.944	2.720	15.2	20.8

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12323	Haeckel		1 4.3	236.°03	2.°8/ 3.7	18
	h m	° ′			°	m
12 3	7 28.87	+28 0.8	1.614	2.454	14.9	18.0
12 13	7 22.03	+28 37.1	1.531	2.443	11.0	17.8
12 23	7 12.05	+29 12.6	1.473	2.432	6.6	17.5
1 2	6 59.89	+29 41.3	1.441	2.420	3.0	17.2
1 12	6 47.08	+29 58.5	1.438	2.407	5.2	17.3
1 22	6 35.31	+30 2.1	1.463	2.394	9.8	17.6
2 1	6 26.06	+29 53.9	1.513	2.381	14.1	17.8
2 11	6 20.29	+29 37.5	1.584	2.366	17.9	18.0
355266	2007 PM_{19}		1 4.3	104.°94	1.°8/ 4.1	18
12 3	7 28.69	+27 3.6	1.660	2.499	14.6	20.8
12 13	7 21.32	+27 14.2	1.602	2.514	10.6	20.6
12 23	7 11.29	+27 22.5	1.568	2.529	6.2	20.4
1 2	6 59.68	+27 24.7	1.562	2.543	2.0	20.1
1 12	6 47.97	+27 18.6	1.585	2.557	4.3	20.3
1 22	6 37.60	+27 4.1	1.637	2.571	8.6	20.6
2 1	6 29.70	+26 43.6	1.714	2.584	12.6	20.9
2 11	6 24.92	+26 19.7	1.812	2.597	15.8	21.1
166594	2002 RQ_{173}		1 4.3	161.°02	4.°8/ 5.6	18
12 3	7 19.41	+ 7 21.9	2.351	3.151	12.2	20.6
12 13	7 14.02	+ 7 1.7	2.275	3.152	9.6	20.4
12 23	7 6.97	+ 6 53.3	2.223	3.154	6.9	20.2
1 2	6 58.87	+ 6 57.6	2.199	3.155	5.0	20.1
1 12	6 50.56	+ 7 14.2	2.205	3.156	5.4	20.2
1 22	6 42.87	+ 7 41.4	2.239	3.158	7.6	20.3
2 1	6 36.56	+ 8 16.8	2.300	3.159	10.3	20.5
2 11	6 32.17	+ 8 57.6	2.384	3.159	12.8	20.6
135187	2001 RH_{10}		1 4.3	1.°29	2.°0/ 4.4	18
12 3	7 24.02	+19 43.0	2.151	2.978	12.2	18.6
12 13	7 17.44	+18 47.7	2.073	2.978	9.0	18.4
12 23	7 8.92	+17 53.3	2.022	2.978	5.4	18.1
1 2	6 59.24	+17 0.8	1.999	2.978	2.2	17.9
1 12	6 49.41	+16 11.4	2.007	2.978	3.7	18.0
1 22	6 40.45	+15 26.6	2.046	2.979	7.3	18.3
2 1	6 33.20	+14 47.7	2.112	2.979	10.7	18.5
2 11	6 28.26	+14 15.1	2.201	2.980	13.6	18.7
314869	2006 UM_{278}		1 4.3	212.°71	1.°2/ 4.5	18
12 3	7 24.06	+19 17.8	1.976	2.807	13.0	21.0
12 13	7 17.78	+19 14.2	1.896	2.803	9.5	20.8
12 23	7 9.28	+19 15.0	1.840	2.798	5.6	20.5
1 2	6 59.33	+19 18.8	1.812	2.793	1.7	20.2
1 12	6 49.06	+19 24.1	1.814	2.788	3.5	20.4
1 22	6 39.59	+19 29.9	1.845	2.782	7.6	20.6
2 1	6 31.95	+19 35.7	1.904	2.776	11.4	20.8
2 11	6 26.84	+19 41.4	1.984	2.770	14.6	21.0
122710	2000 SY_{31}		1 4.3	167.°06	1.°2/ 4.0	18
12 3	7 24.25	+25 43.0	2.066	2.901	12.3	20.4
12 13	7 17.86	+25 59.4	1.993	2.903	9.0	20.2
12 23	7 9.29	+26 15.4	1.944	2.904	5.2	20.0
1 2	6 59.33	+26 28.1	1.925	2.906	1.5	19.7
1 12	6 49.11	+26 35.1	1.935	2.907	3.6	19.9
1 22	6 39.77	+26 35.5	1.975	2.908	7.4	20.1
2 1	6 32.29	+26 30.0	2.041	2.909	11.0	20.4
2 11	6 27.34	+26 20.2	2.131	2.910	14.0	20.6
238706	2005 GF_{10}		1 4.3	183.°49	2.°8/ 5.3	18
12 3	7 18.70	+11 16.9	3.076	3.878	9.5	21.8
12 13	7 13.21	+11 15.1	2.993	3.878	7.3	21.7
12 23	7 6.40	+11 20.8	2.937	3.878	4.8	21.5
1 2	6 58.77	+11 33.6	2.910	3.877	3.0	21.4
1 12	6 50.95	+11 52.8	2.914	3.876	3.4	21.4
1 22	6 43.60	+12 17.1	2.949	3.875	5.7	21.5
2 1	6 37.30	+12 45.1	3.013	3.873	8.1	21.7
2 11	6 32.53	+13 15.1	3.102	3.870	10.3	21.9
473571	2015 XW_{222}		1 4.3	99.°70	0.°9/ 4.1	18
12 3	7 26.34	+22 35.5	1.615	2.457	14.8	20.9
12 13	7 19.77	+23 20.9	1.556	2.469	10.7	20.7
12 23	7 10.51	+24 10.4	1.521	2.482	6.1	20.5
1 2	6 59.57	+24 59.1	1.513	2.495	1.4	20.2
1 12	6 48.35	+25 42.2	1.534	2.507	4.1	20.4
1 22	6 38.30	+26 16.6	1.583	2.519	8.7	20.7
2 1	6 30.59	+26 42.1	1.657	2.531	12.8	21.0
2 11	6 25.97	+26 59.6	1.754	2.542	16.1	21.2
253041	2002 SV_{32}		1 4.3	72.°54	2.°7/ 5.2	18
12 3	7 17.13	+12 10.4	3.053	3.861	9.4	20.5
12 13	7 11.98	+12 0.3	2.994	3.883	7.1	20.4
12 23	7 5.63	+11 56.9	2.962	3.905	4.7	20.2
1 2	6 58.61	+12 0.1	2.959	3.927	2.8	20.1
1 12	6 51.53	+12 9.1	2.986	3.949	3.3	20.2
1 22	6 45.01	+12 23.1	3.044	3.971	5.4	20.4
2 1	6 39.57	+12 40.8	3.130	3.993	7.7	20.5
2 11	6 35.61	+13 0.8	3.242	4.014	9.8	20.7

131978 2002 CE_{62} 1 4.3 267.°86 3.°5/ 3.4 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 26.40	+28 26.8	1.551	2.397	15.1	19.6
12 13	7 20.29	+29 24.5	1.478	2.392	11.1	19.3
12 23	7 11.08	+30 22.2	1.429	2.388	6.8	19.1
1 2	6 59.72	+31 12.8	1.406	2.383	3.6	18.9
1 12	6 47.79	+31 50.2	1.411	2.378	5.7	19.0
1 22	6 36.94	+32 11.7	1.443	2.372	10.0	19.2
2 1	6 28.65	+32 18.4	1.500	2.367	14.2	19.5
2 11	6 23.83	+32 13.5	1.576	2.362	17.8	19.7

168194 2006 JT_{1} 1 4.3 209.°73 3.°1/ 3.6 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 27.22	+29 1.3	1.789	2.626	13.8	20.6
12 13	7 20.50	+29 43.0	1.713	2.623	10.2	20.3
12 23	7 11.03	+30 22.8	1.662	2.619	6.2	20.1
1 2	6 59.70	+30 55.2	1.638	2.614	3.2	19.9
1 12	6 47.91	+31 15.8	1.643	2.610	5.0	20.0
1 22	6 37.13	+31 23.1	1.677	2.605	9.0	20.2
2 1	6 28.62	+31 18.3	1.736	2.599	12.8	20.4
2 11	6 23.22	+31 4.8	1.817	2.593	16.1	20.6

187391 2005 UF_{485} 1 4.3 111.°50 0.°1/ 4.4 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 23.03	+20 40.1	1.907	2.743	13.1	20.7
12 13	7 17.09	+21 8.5	1.837	2.748	9.5	20.4
12 23	7 8.90	+21 41.8	1.792	2.753	5.5	20.2
1 2	6 59.27	+22 17.0	1.775	2.758	1.1	19.9
1 12	6 49.36	+22 50.9	1.788	2.762	3.4	20.1
1 22	6 40.31	+23 20.9	1.829	2.767	7.6	20.4
2 1	6 33.15	+23 46.2	1.897	2.771	11.4	20.6
2 11	6 28.56	+24 6.6	1.988	2.775	14.5	20.8

381308 2007 VV_{43} 1 4.3 188.°83 9.°0/31.5 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 31.48	+51 52.0	2.601	3.369	12.0	20.6
12 13	7 23.73	+53 18.2	2.541	3.369	10.5	20.5
12 23	7 12.95	+54 28.9	2.505	3.368	9.3	20.5
1 2	7 0.08	+55 16.8	2.495	3.367	9.0	20.4
1 12	6 46.62	+55 37.5	2.512	3.366	9.6	20.5
1 22	6 34.22	+55 30.9	2.553	3.365	10.9	20.6
2 1	6 24.29	+55 0.9	2.617	3.364	12.4	20.7
2 11	6 17.73	+54 13.6	2.701	3.362	14.0	20.8

520948 2014 YP_{50} 1 4.3 89.°19 18.°7/12.7 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 25.51	−16 44.3	1.136	1.866	26.3	21.2
12 13	7 19.81	−17 39.2	1.085	1.873	23.9	21.1
12 23	7 10.82	−17 45.5	1.047	1.880	21.5	20.9
1 2	6 59.67	−16 53.4	1.025	1.887	19.6	20.8
1 12	6 48.11	−15 1.1	1.022	1.894	18.8	20.8
1 22	6 37.94	−12 16.7	1.038	1.902	19.4	20.9
2 1	6 30.63	− 8 55.9	1.075	1.908	21.1	21.0
2 11	6 27.07	− 5 18.2	1.131	1.915	23.5	21.2

345241 2005 UV_{277} 1 4.3 22.°98 2.°6/ 3.9 17

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 23.93	+26 9.0	1.013	1.886	19.1	20.3
12 13	7 19.12	+26 42.8	0.966	1.894	13.9	20.0
12 23	7 10.55	+27 17.4	0.938	1.903	8.1	19.7
1 2	6 59.61	+27 45.9	0.933	1.914	2.9	19.5
1 12	6 48.42	+28 2.8	0.953	1.926	5.8	19.7
1 22	6 39.05	+28 6.6	0.995	1.940	11.4	20.0
2 1	6 33.07	+27 59.3	1.059	1.954	16.5	20.4
2 11	6 31.22	+27 44.5	1.141	1.969	20.6	20.7

191053 2002 CS_{72} 1 4.3 248.°48 3.°6/ 3.7 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 26.82	+33 34.0	2.212	3.038	11.9	20.1
12 13	7 19.84	+33 49.0	2.125	3.025	9.0	19.8
12 23	7 10.49	+33 57.3	2.062	3.012	5.9	19.6
1 2	6 59.59	+33 54.8	2.028	2.998	3.7	19.5
1 12	6 48.33	+33 39.1	2.024	2.985	4.9	19.5
1 22	6 37.95	+33 10.4	2.049	2.970	8.1	19.7
2 1	6 29.53	+32 31.1	2.102	2.956	11.3	19.9
2 11	6 23.78	+31 45.3	2.177	2.941	14.2	20.0

104321 2000 FD_{3} 1 4.3 313.°70 1.°6/ 4.7 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 21.55	+17 22.1	1.523	2.368	15.4	19.5
12 13	7 16.66	+17 40.8	1.439	2.353	11.4	19.3
12 23	7 8.98	+18 9.8	1.378	2.338	6.8	18.9
1 2	6 59.35	+18 46.9	1.342	2.323	2.2	18.6
1 12	6 49.08	+19 28.7	1.334	2.309	4.2	18.7
1 22	6 39.64	+20 11.3	1.353	2.295	9.2	19.0
2 1	6 32.39	+20 52.1	1.396	2.282	13.9	19.2
2 11	6 28.24	+21 29.4	1.460	2.269	17.9	19.4

400595 2009 AJ_{34} 1 4.3 35.°96 0.°0/ 4.2 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 23.82	+19 25.5	1.226	2.083	17.6	20.2
12 13	7 18.52	+20 18.1	1.172	2.093	12.8	19.9
12 23	7 10.05	+21 21.0	1.140	2.104	7.3	19.6
1 2	6 59.53	+22 28.3	1.133	2.116	1.4	19.3
1 12	6 48.68	+23 33.0	1.153	2.128	4.5	19.5
1 22	6 39.22	+24 29.9	1.198	2.141	10.0	19.9
2 1	6 32.55	+25 16.6	1.267	2.155	14.8	20.2
2 11	6 29.48	+25 53.0	1.355	2.169	18.7	20.5

237712 2001 UT_{200} 1 4.3 257.°87 1.°5/ 4.7 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 20.06	+17 52.6	2.427	3.252	11.0	20.7
12 13	7 14.56	+17 44.5	2.342	3.245	8.1	20.5
12 23	7 7.33	+17 40.8	2.282	3.239	4.9	20.3
1 2	6 58.99	+17 40.7	2.252	3.232	1.8	20.0
1 12	6 50.39	+17 43.6	2.252	3.225	3.1	20.1
1 22	6 42.40	+17 48.4	2.282	3.217	6.5	20.3
2 1	6 35.81	+17 54.7	2.340	3.210	9.7	20.5
2 11	6 31.20	+18 1.8	2.421	3.203	12.4	20.7

459564 2013 GF_{98} 1 4.3 293.°57 1.°9/ 3.9 17

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 24.93	+25 56.9	1.532	2.380	15.1	22.0
12 13	7 19.28	+26 24.7	1.447	2.364	11.1	21.8
12 23	7 10.56	+26 53.9	1.386	2.348	6.5	21.5
1 2	6 59.68	+27 19.4	1.351	2.332	2.2	21.1
1 12	6 48.11	+27 37.0	1.343	2.316	4.8	21.3
1 22	6 37.50	+27 44.5	1.363	2.300	9.7	21.5
2 1	6 29.34	+27 42.4	1.406	2.284	14.3	21.7
2 11	6 24.58	+27 33.4	1.471	2.269	18.3	22.0

381293 2007 TM_{450} 1 4.3 16.°72 12.°4/30.0 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 33.06	+54 21.2	1.923	2.699	15.4	20.4
12 13	7 26.17	+56 30.2	1.880	2.703	13.8	20.3
12 23	7 14.94	+58 18.0	1.858	2.708	12.7	20.3
1 2	7 0.54	+59 33.3	1.861	2.714	12.5	20.3
1 12	6 45.19	+60 9.7	1.886	2.720	13.2	20.3
1 22	6 31.41	+60 7.6	1.933	2.727	14.6	20.4
2 1	6 21.31	+59 33.2	1.999	2.734	16.1	20.6
2 11	6 16.00	+58 36.1	2.082	2.742	17.7	20.7

294055 2007 TF_{155} 1 4.3 152.°98 3.°4/ 5.1 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 20.02	+12 23.3	2.394	3.208	11.5	20.4
12 13	7 14.46	+11 58.3	2.318	3.210	8.8	20.3
12 23	7 7.23	+11 41.1	2.267	3.211	5.8	20.1
1 2	6 58.98	+11 32.1	2.244	3.213	3.6	19.9
1 12	6 50.53	+11 31.2	2.252	3.214	4.3	20.0
1 22	6 42.73	+11 37.5	2.288	3.216	7.0	20.2
2 1	6 36.33	+11 49.8	2.353	3.217	9.9	20.3
2 11	6 31.86	+12 6.4	2.440	3.218	12.4	20.5

502208 2015 BA_{76} 1 4.3 231.°37 1.°4/ 3.8 17

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 21.21	+26 35.0	2.896	3.721	9.4	22.4
12 13	7 15.30	+27 2.2	2.804	3.709	6.9	22.2
12 23	7 7.74	+27 29.3	2.739	3.697	4.0	22.0
1 2	6 59.09	+27 53.4	2.704	3.684	1.5	21.8
1 12	6 50.12	+28 12.6	2.701	3.671	3.0	21.9
1 22	6 41.65	+28 25.6	2.729	3.657	5.9	22.1
2 1	6 34.44	+28 32.4	2.785	3.643	8.7	22.2
2 11	6 29.06	+28 33.8	2.865	3.628	11.1	22.4

173380 2000 BL_{9} 1 4.3 164.°12 0.°1/ 4.3 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 24.79	+21 53.2	1.901	2.735	13.2	21.1
12 13	7 18.37	+22 1.9	1.828	2.738	9.6	20.9
12 23	7 9.64	+22 13.5	1.780	2.741	5.5	20.7
1 2	6 59.45	+22 25.5	1.760	2.743	1.1	20.4
1 12	6 48.98	+22 35.7	1.770	2.745	3.4	20.6
1 22	6 39.44	+22 42.8	1.809	2.746	7.7	20.8
2 1	6 31.86	+22 46.9	1.875	2.747	11.6	21.1
2 11	6 26.92	+22 48.6	1.963	2.748	14.8	21.3

518535 2006 UH_{175} 1 4.3 92.°44 7.°6/ 6.4 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 22.86	+ 2 25.2	1.818	2.607	15.6	21.2
12 13	7 16.76	+ 1 51.2	1.762	2.624	12.7	21.1
12 23	7 8.61	+ 1 36.2	1.728	2.642	9.8	20.9
1 2	6 59.24	+ 1 42.3	1.719	2.659	7.8	20.9
1 12	6 49.75	+ 2 9.0	1.738	2.675	7.9	20.9
1 22	6 41.21	+ 2 53.3	1.784	2.692	10.0	21.1
2 1	6 34.50	+ 3 50.6	1.855	2.708	12.6	21.3
2 11	6 30.24	+ 4 55.5	1.949	2.724	15.2	21.5

131421 2001 OL_{58} 1 4.3 87.°16 0.°8/ 4.6 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 16.96	+18 44.4	3.195	4.017	8.7	20.2
12 13	7 11.91	+18 52.5	3.127	4.030	6.3	20.1
12 23	7 5.66	+19 3.8	3.086	4.043	3.7	19.9
1 2	6 58.67	+19 17.4	3.075	4.056	1.1	19.7
1 12	6 51.59	+19 32.1	3.096	4.069	2.3	19.9
1 22	6 45.01	+19 47.0	3.147	4.082	4.9	20.1
2 1	6 39.48	+20 1.4	3.227	4.095	7.4	20.2
2 11	6 35.41	+20 14.7	3.332	4.107	9.5	20.4

36495 2000 QR_{48} 1 4.3 29.°96 2.°4/ 4.8 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 22.88	+16 46.0	1.187	2.043	18.0	18.5
12 13	7 17.79	+16 51.9	1.134	2.053	13.3	18.2
12 23	7 9.60	+17 9.5	1.102	2.063	8.0	17.9
1 2	6 59.46	+17 36.5	1.094	2.074	2.9	17.7
1 12	6 49.08	+18 9.3	1.111	2.086	4.9	17.8
1 22	6 40.12	+18 44.1	1.154	2.099	10.1	18.2
2 1	6 33.92	+19 18.2	1.219	2.112	14.9	18.5
2 11	6 31.23	+19 49.8	1.304	2.126	18.9	18.8

353261 2010 EA_{107} 1 4.3 192.°52 2.°7/ 3.7 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 28.53	+29 15.4	2.065	2.893	12.6	21.7
12 13	7 21.14	+29 47.3	1.987	2.892	9.3	21.5
12 23	7 11.27	+30 16.5	1.933	2.889	5.6	21.3
1 2	6 59.79	+30 38.4	1.909	2.886	2.8	21.1
1 12	6 47.93	+30 49.6	1.915	2.882	4.4	21.2
1 22	6 37.00	+30 49.3	1.951	2.877	8.1	21.4
2 1	6 28.10	+30 38.7	2.014	2.871	11.6	21.6
2 11	6 21.99	+30 21.0	2.100	2.865	14.6	21.8

19132 Le Clézio 1 4.3 349.°07 4.°0/ 4.8 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 20.71	+14 55.1	1.526	2.368	15.5	17.8
12 13	7 15.80	+14 14.6	1.453	2.361	11.7	17.6
12 23	7 8.34	+13 42.6	1.402	2.356	7.6	17.3
1 2	6 59.24	+13 20.3	1.377	2.351	4.2	17.1
1 12	6 49.77	+13 8.2	1.379	2.348	5.4	17.2
1 22	6 41.29	+13 5.8	1.407	2.344	9.5	17.4
2 1	6 34.95	+13 11.8	1.460	2.342	13.6	17.7
2 11	6 31.50	+13 24.1	1.533	2.341	17.2	17.9

313410 2002 PL_{159} 1 4.3 83.°93 3.°1/ 3.9 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 28.33	+29 59.5	1.658	2.498	14.6	20.9
12 13	7 21.14	+30 22.2	1.604	2.515	10.7	20.7
12 23	7 11.25	+30 40.3	1.574	2.531	6.5	20.5
1 2	6 59.76	+30 48.7	1.571	2.548	3.2	20.3
1 12	6 48.19	+30 44.8	1.597	2.565	5.0	20.5
1 22	6 38.01	+30 29.0	1.650	2.581	8.9	20.7
2 1	6 30.34	+30 4.0	1.730	2.597	12.7	21.0
2 11	6 25.83	+29 33.6	1.830	2.613	15.8	21.3

160991 2002 CP_{168} 1 4.3 299.°19 8.°6/ 2.7 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 30.29	+44 31.5	1.853	2.665	14.4	19.6
12 13	7 23.26	+45 23.5	1.775	2.650	11.9	19.4
12 23	7 12.83	+46 0.5	1.719	2.635	9.6	19.2
1 2	7 0.12	+46 14.0	1.689	2.621	8.6	19.1
1 12	6 46.87	+45 59.1	1.685	2.606	9.4	19.1
1 22	6 34.95	+45 16.0	1.707	2.592	11.8	19.2
2 1	6 25.90	+44 10.2	1.753	2.577	14.6	19.4
2 11	6 20.62	+42 49.7	1.819	2.563	17.2	19.6

238808 2005 MS_{10} 1 4.3 300.°43 3.°5/ 4.9 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 19.96	+13 17.9	2.148	2.969	12.4	20.4
12 13	7 14.71	+12 48.6	2.059	2.956	9.4	20.1
12 23	7 7.52	+12 26.8	1.995	2.943	6.2	19.9
1 2	6 59.08	+12 13.3	1.959	2.930	3.7	19.7
1 12	6 50.29	+12 8.2	1.953	2.917	4.6	19.8
1 22	6 42.14	+12 10.8	1.974	2.905	7.7	19.9
2 1	6 35.50	+12 20.2	2.023	2.892	11.0	20.1
2 11	6 31.02	+12 34.5	2.094	2.880	14.0	20.3

338316 2002 VY_{59} 1 4.3 101.°41 3.°4/ 4.9 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 28.29	+15 12.5	1.485	2.317	16.4	20.6
12 13	7 21.06	+14 50.0	1.432	2.336	12.2	20.4
12 23	7 11.19	+14 37.0	1.401	2.355	7.6	20.1
1 2	6 59.76	+14 33.2	1.397	2.373	3.7	20.0
1 12	6 48.26	+14 37.6	1.421	2.391	5.0	20.1
1 22	6 38.12	+14 48.4	1.473	2.408	9.3	20.4
2 1	6 30.44	+15 4.0	1.549	2.425	13.4	20.7
2 11	6 25.88	+15 22.5	1.648	2.441	16.8	20.9

495589 2015 AR_{32} 1 4.3 184.°22 1.°5/ 4.9 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 20.73	+15 52.1	2.182	3.007	12.1	20.9
12 13	7 15.24	+16 23.1	2.104	3.007	8.9	20.7
12 23	7 7.82	+17 2.8	2.051	3.007	5.4	20.5
1 2	6 59.14	+17 48.8	2.028	3.007	1.9	20.3
1 12	6 50.15	+18 38.2	2.034	3.007	3.3	20.4
1 22	6 41.82	+19 28.1	2.070	3.007	6.9	20.6
2 1	6 35.03	+20 16.0	2.134	3.007	10.3	20.8
2 11	6 30.42	+21 0.4	2.221	3.007	13.3	21.0

518693 2008 WY_{143} 1 4.3 93.°14 0.°9/ 4.0 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 21.30	+23 22.0	2.286	3.119	11.3	21.3
12 13	7 15.61	+24 2.9	2.214	3.124	8.2	21.1
12 23	7 8.01	+24 46.3	2.168	3.129	4.7	20.9
1 2	6 59.18	+25 28.9	2.151	3.133	1.2	20.6
1 12	6 50.08	+26 7.6	2.165	3.138	3.2	20.8
1 22	6 41.68	+26 40.1	2.209	3.143	6.8	21.0
2 1	6 34.86	+27 5.7	2.280	3.147	10.0	21.2
2 11	6 30.23	+27 24.8	2.375	3.152	12.8	21.4

422451 2014 SG_{309} 1 4.3 84.°16 2.°8/ 3.7 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 26.19	+29 14.8	1.881	2.718	13.2	21.0
12 13	7 19.39	+29 50.5	1.826	2.736	9.7	20.8
12 23	7 10.21	+30 22.9	1.797	2.754	5.9	20.6
1 2	6 59.60	+30 47.4	1.795	2.772	2.9	20.5
1 12	6 48.86	+31 0.9	1.823	2.789	4.6	20.6
1 22	6 39.27	+31 2.8	1.879	2.807	8.2	20.9
2 1	6 31.85	+30 54.7	1.961	2.824	11.6	21.1
2 11	6 27.25	+30 39.4	2.066	2.841	14.5	21.4

282185 2001 TL_{175} 1 4.3 202.°09 6.°3/ 6.1 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 18.62	+ 0 13.3	2.850	3.610	11.2	21.2
12 13	7 13.27	− 0 21.9	2.767	3.606	9.3	21.0
12 23	7 6.52	− 0 44.0	2.708	3.602	7.5	20.9
1 2	6 58.90	− 0 51.1	2.677	3.598	6.4	20.8
1 12	6 51.06	− 0 42.7	2.675	3.593	6.5	20.8
1 22	6 43.69	− 0 19.8	2.701	3.588	7.9	20.9
2 1	6 37.42	+ 0 15.4	2.753	3.582	9.7	21.0
2 11	6 32.74	+ 0 59.7	2.830	3.576	11.6	21.1

80293 1999 XS_{56} 1 4.3 19.°05 0.°3/ 4.4 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 25.06	+21 13.2	1.183	2.042	17.9	18.5
12 13	7 19.61	+21 24.3	1.123	2.045	13.1	18.3
12 23	7 10.78	+21 41.8	1.083	2.047	7.5	18.0
1 2	6 59.75	+22 1.8	1.068	2.051	1.5	17.6
1 12	6 48.32	+22 20.5	1.079	2.055	4.7	17.8
1 22	6 38.33	+22 35.6	1.114	2.059	10.4	18.2
2 1	6 31.29	+22 46.5	1.173	2.064	15.5	18.5
2 11	6 28.04	+22 53.9	1.250	2.069	19.7	18.8

502392 2015 BG_{248} 1 4.3 346.°59 2.°5/ 3.9 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 23.72	+30 8.4	2.009	2.846	12.5	20.7
12 13	7 17.63	+30 13.3	1.934	2.844	9.2	20.5
12 23	7 9.24	+30 13.7	1.884	2.841	5.6	20.3
1 2	6 59.43	+30 6.3	1.862	2.839	2.6	20.1
1 12	6 49.38	+29 49.4	1.869	2.837	4.2	20.2
1 22	6 40.29	+29 23.4	1.904	2.836	7.8	20.4
2 1	6 33.18	+28 50.3	1.967	2.835	11.3	20.6
2 11	6 28.70	+28 13.2	2.051	2.834	14.3	20.8

75036 1999 UD_{26} 1 4.3 194.°45 7.°5/ 2.6 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 31.87	+41 30.2	1.886	2.701	14.1	19.3
12 13	7 24.17	+42 33.9	1.817	2.700	11.3	19.2
12 23	7 13.26	+43 25.3	1.773	2.698	8.8	19.0
1 2	7 0.23	+43 55.9	1.755	2.696	7.5	18.9
1 12	6 46.74	+44 0.7	1.765	2.694	8.5	19.0
1 22	6 34.55	+43 39.8	1.802	2.691	11.0	19.1
2 1	6 25.11	+42 57.8	1.863	2.687	13.8	19.3
2 11	6 19.27	+42 1.8	1.944	2.684	16.4	19.5

254765 2005 QK_{24} 1 4.3 345.°25 2.°8/ 4.9 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 20.55	+15 14.3	1.521	2.364	15.5	19.9
12 13	7 15.79	+15 16.5	1.447	2.358	11.6	19.7
12 23	7 8.41	+15 29.8	1.396	2.353	7.2	19.4
1 2	6 59.31	+15 53.2	1.370	2.348	3.2	19.2
1 12	6 49.76	+16 24.3	1.371	2.344	4.6	19.2
1 22	6 41.15	+17 0.1	1.399	2.340	9.1	19.5
2 1	6 34.68	+17 37.8	1.451	2.337	13.4	19.7
2 11	6 31.15	+18 15.0	1.524	2.335	17.1	20.0

343528 2010 EH_{134} 1 4.3 184.°02 3.°8/ 3.3 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 23.50	+34 34.4	2.540	3.364	10.6	20.6
12 13	7 17.20	+35 9.0	2.466	3.364	8.0	20.5
12 23	7 8.91	+35 37.8	2.418	3.364	5.4	20.3
1 2	6 59.37	+35 56.9	2.399	3.364	3.8	20.2
1 12	6 49.59	+36 3.7	2.410	3.364	4.9	20.3
1 22	6 40.57	+35 57.6	2.450	3.363	7.3	20.4
2 1	6 33.20	+35 40.4	2.517	3.362	10.0	20.6
2 11	6 28.12	+35 14.8	2.608	3.361	12.4	20.8

455539 2004 CP_{104} 1 4.3 332.°47 4.°2/ 3.4 16

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 21.94	+29 21.5	1.274	2.137	16.6	21.1
12 13	7 17.70	+30 10.0	1.196	2.118	12.4	20.8
12 23	7 9.95	+30 58.0	1.139	2.101	7.8	20.4
1 2	6 59.66	+31 37.9	1.107	2.084	4.3	20.2
1 12	6 48.54	+32 3.2	1.100	2.068	6.5	20.3
1 22	6 38.56	+32 10.7	1.117	2.054	11.5	20.5
2 1	6 31.47	+32 2.0	1.156	2.040	16.3	20.7
2 11	6 28.34	+31 41.2	1.214	2.028	20.5	21.0

424798 2008 UW_{34} 1 4.3 33.°88 0.°8/ 4.1 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 21.60	+23 24.9	1.830	2.673	13.3	20.7
12 13	7 16.15	+23 55.6	1.767	2.682	9.6	20.5
12 23	7 8.43	+24 28.9	1.729	2.691	5.5	20.3
1 2	6 59.29	+25 1.2	1.718	2.700	1.3	20.0
1 12	6 49.92	+25 29.2	1.736	2.710	3.6	20.2
1 22	6 41.49	+25 51.0	1.782	2.720	7.8	20.5
2 1	6 35.03	+26 6.2	1.855	2.731	11.5	20.7
2 11	6 31.19	+26 15.6	1.949	2.741	14.6	21.0

186256 2001 XV_{250} 1 4.3 36.°32 0.°7/ 4.1 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 22.92	+21 8.2	1.465	2.316	15.6	19.3
12 13	7 17.51	+22 7.8	1.411	2.329	11.3	19.1
12 23	7 9.36	+23 14.4	1.381	2.344	6.4	18.8
1 2	6 59.48	+24 22.0	1.376	2.359	1.3	18.5
1 12	6 49.32	+25 24.6	1.400	2.374	4.2	18.8
1 22	6 40.35	+26 18.0	1.450	2.390	9.0	19.1
2 1	6 33.78	+27 0.4	1.526	2.407	13.2	19.4
2 11	6 30.35	+27 32.5	1.622	2.424	16.7	19.7

160721 2000 QB_{159} 1 4.3 214.°32 5.°3/ 6.2 17

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 18.04	+ 1 19.8	3.223	3.983	10.0	21.5
12 13	7 12.75	+ 0 58.7	3.132	3.974	8.3	21.4
12 23	7 6.21	+ 0 49.1	3.066	3.965	6.6	21.2
1 2	6 58.86	+ 0 52.3	3.028	3.955	5.4	21.1
1 12	6 51.29	+ 1 8.4	3.020	3.945	5.5	21.1
1 22	6 44.12	+ 1 36.4	3.041	3.934	6.9	21.2
2 1	6 37.89	+ 2 14.2	3.091	3.923	8.7	21.3
2 11	6 33.07	+ 2 59.1	3.164	3.911	10.5	21.4

29143 1988 DK 1 4.3 338.°66 5.°2/ 5.1 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 18.93	+10 30.4	1.796	2.621	14.3	18.1
12 13	7 14.25	+ 9 50.1	1.716	2.611	11.1	17.8
12 23	7 7.39	+ 9 20.9	1.659	2.601	7.8	17.6
1 2	6 59.11	+ 9 4.8	1.628	2.592	5.4	17.5
1 12	6 50.47	+ 9 2.2	1.624	2.583	6.0	17.5
1 22	6 42.58	+ 9 12.4	1.647	2.576	9.1	17.6
2 1	6 36.44	+ 9 33.3	1.695	2.569	12.6	17.8
2 11	6 32.76	+10 1.6	1.765	2.562	15.7	18.0

493368 2014 WM_{70} 1 4.3 138.°39 2.°7/ 4.9 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 22.56	+15 41.0	1.887	2.716	13.5	21.5
12 13	7 16.73	+15 25.3	1.813	2.717	10.1	21.3
12 23	7 8.73	+15 17.1	1.763	2.717	6.3	21.1
1 2	6 59.36	+15 16.0	1.741	2.718	3.0	20.9
1 12	6 49.71	+15 21.0	1.748	2.719	4.2	21.0
1 22	6 40.92	+15 31.1	1.784	2.720	7.9	21.2
2 1	6 33.96	+15 44.8	1.846	2.720	11.6	21.4
2 11	6 29.48	+16 0.9	1.930	2.721	14.8	21.6

470903 2009 CH_{49} 1 4.3 264.°07 4.°1/ 6.1 17

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 19.16	+ 7 8.1	2.514	3.310	11.6	21.6
12 13	7 13.93	+ 7 26.2	2.421	3.298	9.1	21.4
12 23	7 7.04	+ 7 57.6	2.353	3.286	6.4	21.2
1 2	6 59.04	+ 8 41.9	2.313	3.274	4.3	21.1
1 12	6 50.69	+ 9 37.5	2.304	3.262	4.6	21.1
1 22	6 42.80	+10 41.4	2.325	3.250	7.0	21.2
2 1	6 36.15	+11 50.3	2.374	3.237	9.8	21.4
2 11	6 31.33	+13 0.8	2.447	3.225	12.4	21.5

175947 2000 GL_{20} 1 4.3 222.°98 3.°2/ 5.1 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 22.78	+13 26.6	2.044	2.863	13.0	21.2
12 13	7 16.83	+13 17.2	1.960	2.856	9.9	21.0
12 23	7 8.79	+13 16.7	1.900	2.849	6.4	20.8
1 2	6 59.38	+13 25.0	1.868	2.842	3.5	20.6
1 12	6 49.61	+13 41.1	1.866	2.834	4.4	20.6
1 22	6 40.53	+14 3.3	1.893	2.826	7.8	20.8
2 1	6 33.12	+14 29.8	1.947	2.817	11.3	21.0
2 11	6 28.05	+14 58.6	2.024	2.808	14.4	21.2

229845 2009 ST_{229} 1 4.3 53.°84 0.°6/ 4.5 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 23.19	+20 55.5	1.762	2.602	13.8	20.4
12 13	7 17.28	+20 55.1	1.698	2.610	10.1	20.2
12 23	7 9.06	+20 58.5	1.658	2.619	5.8	19.9
1 2	6 59.42	+21 3.6	1.646	2.628	1.3	19.7
1 12	6 49.59	+21 8.6	1.662	2.637	3.6	19.8
1 22	6 40.78	+21 12.6	1.707	2.646	7.9	20.1
2 1	6 34.02	+21 15.3	1.778	2.656	11.8	20.4
2 11	6 29.94	+21 16.9	1.870	2.665	15.0	20.6

214287 2005 GB_{158} 1 4.3 165.°04 4.°5/ 3.0 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 28.75	+35 21.1	2.388	3.206	11.4	22.0
12 13	7 21.13	+36 13.5	2.319	3.212	8.7	21.9
12 23	7 11.22	+36 59.4	2.276	3.218	6.0	21.7
1 2	6 59.84	+37 33.3	2.263	3.223	4.5	21.6
1 12	6 48.16	+37 51.7	2.280	3.227	5.5	21.7
1 22	6 37.38	+37 54.0	2.326	3.231	8.1	21.8
2 1	6 28.52	+37 42.2	2.400	3.234	10.8	22.0
2 11	6 22.28	+37 20.0	2.496	3.236	13.2	22.2

180503 2004 CA_{99} 1 4.3 355.°11 9.°7/ 3.8 17

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 28.32	+42 57.1	1.229	2.072	18.4	19.4
12 13	7 22.67	+43 34.6	1.168	2.066	14.9	19.1
12 23	7 12.78	+43 51.9	1.128	2.061	11.6	18.9
1 2	7 0.17	+43 39.0	1.109	2.058	9.8	18.8
1 12	6 47.23	+42 51.0	1.114	2.056	10.7	18.9
1 22	6 36.35	+41 31.4	1.142	2.055	13.8	19.0
2 1	6 29.27	+39 49.9	1.192	2.056	17.4	19.3
2 11	6 26.72	+37 57.7	1.260	2.058	20.8	19.5

167964 2005 EU_{275} 1 4.3 218.°97 0.°0/ 4.4 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 20.82	+21 16.4	2.539	3.366	10.5	20.6
12 13	7 15.14	+21 38.2	2.454	3.361	7.7	20.4
12 23	7 7.72	+22 3.3	2.396	3.356	4.4	20.2
1 2	6 59.17	+22 29.5	2.368	3.350	0.9	19.9
1 12	6 50.33	+22 54.6	2.370	3.344	2.7	20.1
1 22	6 42.06	+23 17.0	2.402	3.338	6.2	20.3
2 1	6 35.15	+23 36.0	2.463	3.331	9.3	20.5
2 11	6 30.22	+23 51.6	2.548	3.324	12.0	20.7

63732 2001 QR_{241} 1 4.3 176.°37 0.°7/ 4.5 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 20.40	+19 40.2	2.472	3.300	10.8	19.5
12 13	7 14.80	+19 49.9	2.394	3.300	7.9	19.3
12 23	7 7.50	+20 3.3	2.342	3.301	4.6	19.1
1 2	6 59.12	+20 19.1	2.320	3.301	1.2	18.9
1 12	6 50.52	+20 35.5	2.327	3.301	2.8	19.0
1 22	6 42.54	+20 51.2	2.365	3.302	6.2	19.2
2 1	6 35.97	+21 5.5	2.431	3.301	9.3	19.4
2 11	6 31.36	+21 18.1	2.521	3.301	12.0	19.6

225152 2008 GB_{52} 1 4.3 94.°36 2.°5/ 3.9 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 31.98	+26 51.0	1.408	2.250	16.5	20.1
12 13	7 24.05	+27 28.7	1.362	2.275	12.0	19.9
12 23	7 13.02	+28 4.9	1.338	2.298	7.0	19.7
1 2	7 0.17	+28 33.3	1.342	2.322	2.7	19.5
1 12	6 47.29	+28 49.6	1.373	2.344	5.0	19.7
1 22	6 36.08	+28 53.4	1.433	2.366	9.7	20.0
2 1	6 27.82	+28 46.8	1.516	2.388	13.9	20.3
2 11	6 23.16	+28 33.5	1.621	2.408	17.3	20.6

493701 2015 TS_{74} 1 4.3 231.°71 3.°5/ 4.9 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 24.97	+14 40.4	1.581	2.413	15.5	21.8
12 13	7 18.90	+14 20.1	1.505	2.409	11.7	21.5
12 23	7 10.16	+14 9.3	1.451	2.404	7.5	21.3
1 2	6 59.67	+14 8.2	1.424	2.400	3.8	21.0
1 12	6 48.75	+14 15.8	1.425	2.395	5.1	21.1
1 22	6 38.80	+14 30.6	1.453	2.389	9.3	21.3
2 1	6 31.04	+14 50.8	1.507	2.384	13.6	21.6
2 11	6 26.29	+15 14.4	1.581	2.378	17.2	21.8

32094 2000 KX_{32} 1 4.3 235.°56 0.°3/ 4.3 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 21.18	+23 14.4	2.795	3.620	9.7	20.3
12 13	7 15.31	+23 26.9	2.701	3.607	7.1	20.1
12 23	7 7.79	+23 40.7	2.634	3.593	4.1	19.8
1 2	6 59.19	+23 53.8	2.597	3.579	0.8	19.6
1 12	6 50.29	+24 4.7	2.592	3.565	2.6	19.7
1 22	6 41.89	+24 12.4	2.617	3.550	5.9	19.9
2 1	6 34.75	+24 16.6	2.671	3.535	8.8	20.1
2 11	6 29.46	+24 17.9	2.749	3.519	11.4	20.2

109507 2001 QT_{234} 1 4.3 128.°65 0.°4/ 4.2 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 21.43	+23 29.7	2.583	3.411	10.3	20.6
12 13	7 15.46	+23 44.7	2.513	3.420	7.5	20.4
12 23	7 7.83	+24 0.6	2.470	3.429	4.2	20.2
1 2	6 59.19	+24 15.6	2.456	3.438	0.9	20.0
1 12	6 50.40	+24 27.7	2.473	3.447	2.7	20.1
1 22	6 42.28	+24 36.2	2.521	3.455	6.0	20.4
2 1	6 35.59	+24 40.9	2.597	3.463	9.0	20.6
2 11	6 30.86	+24 42.4	2.697	3.471	11.5	20.8

44036 1998 DO_7 1 4.3 143.°05 1.°0/ 4.1 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 30.25	+24 8.7	1.755	2.587	14.3	20.3
12 13	7 22.47	+24 34.4	1.692	2.600	10.4	20.1
12 23	7 12.06	+25 1.2	1.653	2.613	5.9	19.8
1 2	7 0.03	+25 25.0	1.643	2.625	1.4	19.6
1 12	6 47.78	+25 42.5	1.663	2.636	3.9	19.8
1 22	6 36.72	+25 52.3	1.712	2.646	8.4	20.1
2 1	6 27.99	+25 55.2	1.788	2.655	12.3	20.3
2 11	6 22.31	+25 53.1	1.886	2.663	15.6	20.6

17587 1995 BD 1 4.3 178.°96 0.°7/ 4.1 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 19.58	+24 1.0	3.011	3.837	9.1	18.6
12 13	7 14.03	+24 30.9	2.931	3.838	6.6	18.5
12 23	7 7.01	+25 2.0	2.879	3.838	3.8	18.3
1 2	6 59.05	+25 32.0	2.857	3.838	1.0	18.1
1 12	6 50.87	+25 58.9	2.866	3.838	2.5	18.2
1 22	6 43.20	+26 21.3	2.907	3.838	5.4	18.4
2 1	6 36.69	+26 38.9	2.976	3.838	8.1	18.6
2 11	6 31.87	+26 51.9	3.070	3.837	10.4	18.7

219869 2002 CX_{277} 1 4.3 41.°22 1.°8/ 4.8 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 21.90	+16 57.6	1.724	2.562	14.2	20.3
12 13	7 16.41	+17 7.1	1.659	2.568	10.5	20.1
12 23	7 8.62	+17 24.8	1.617	2.575	6.3	19.9
1 2	6 59.37	+17 48.9	1.603	2.583	2.3	19.6
1 12	6 49.87	+18 17.0	1.616	2.590	3.8	19.8
1 22	6 41.32	+18 46.5	1.658	2.598	8.1	20.0
2 1	6 34.76	+19 15.5	1.725	2.606	12.0	20.3
2 11	6 30.85	+19 42.8	1.815	2.614	15.3	20.5

224019 2005 JX_{78} 1 4.3 82.°78 2.°6/ 3.9 17

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 28.86	+26 40.8	1.276	2.129	17.2	20.5
12 13	7 22.31	+27 18.5	1.219	2.137	12.6	20.2
12 23	7 12.31	+27 56.2	1.183	2.145	7.4	20.0
1 2	7 0.10	+28 27.1	1.173	2.153	2.8	19.7
1 12	6 47.56	+28 46.2	1.189	2.161	5.4	19.9
1 22	6 36.57	+28 52.0	1.232	2.169	10.5	20.2
2 1	6 28.65	+28 46.3	1.297	2.177	15.2	20.5
2 11	6 24.59	+28 33.0	1.383	2.185	19.0	20.8

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
231002	2005 ED_{10}		1 4.3	258.°91	2.°7/ 3.7	18
12 3	7 23.35	+30 18.9	2.254	3.087	11.5	20.4
12 13	7 17.26	+30 40.7	2.175	3.082	8.5	20.2
12 23	7 9.04	+30 59.0	2.121	3.076	5.2	20.0
1 2	6 59.46	+31 10.3	2.095	3.071	2.8	19.8
1 12	6 49.59	+31 12.1	2.100	3.066	4.2	19.9
1 22	6 40.51	+31 3.9	2.134	3.060	7.4	20.1
2 1	6 33.18	+30 47.0	2.194	3.055	10.6	20.3
2 11	6 28.27	+30 23.9	2.278	3.050	13.4	20.5
275923	2001 TH_{204}		1 4.3	97.°70	0.°5/ 4.5	18
12 3	7 29.42	+19 44.6	1.625	2.457	15.2	21.7
12 13	7 21.77	+20 10.4	1.577	2.485	11.0	21.6
12 23	7 11.58	+20 41.7	1.552	2.512	6.3	21.3
1 2	6 59.93	+21 14.8	1.556	2.538	1.4	21.1
1 12	6 48.25	+21 46.2	1.589	2.563	3.8	21.3
1 22	6 37.89	+22 13.4	1.651	2.588	8.3	21.6
2 1	6 29.94	+22 35.9	1.739	2.612	12.3	21.9
2 11	6 25.00	+22 53.9	1.850	2.635	15.5	22.2
195665	2002 OU_4		1 4.3	59.°67	3.°6/ 4.8	18
12 3	7 22.66	+14 30.7	2.012	2.835	13.1	19.3
12 13	7 16.58	+13 43.3	1.945	2.843	9.8	19.2
12 23	7 8.55	+13 2.4	1.902	2.851	6.4	19.0
1 2	6 59.36	+12 29.3	1.887	2.859	3.7	18.8
1 12	6 50.03	+12 4.7	1.902	2.867	4.7	18.9
1 22	6 41.57	+11 48.7	1.946	2.875	7.8	19.1
2 1	6 34.85	+11 40.6	2.016	2.884	11.1	19.3
2 11	6 30.44	+11 39.2	2.109	2.892	14.0	19.5
403527	2010 EC_{78}		1 4.3	160.°85	4.°5/ 3.4	18
12 3	7 30.00	+32 42.5	1.750	2.583	14.2	21.6
12 13	7 22.62	+33 29.2	1.684	2.588	10.7	21.4
12 23	7 12.31	+34 10.1	1.641	2.592	7.0	21.2
1 2	7 0.12	+34 38.5	1.626	2.596	4.5	21.0
1 12	6 47.57	+34 50.1	1.640	2.599	6.0	21.1
1 22	6 36.25	+34 44.4	1.682	2.602	9.6	21.3
2 1	6 27.45	+34 24.1	1.749	2.605	13.2	21.6
2 11	6 21.97	+33 54.0	1.838	2.606	16.3	21.8
85345	1995 SH_{65}		1 4.3	185.°10	0.°8/ 4.5	18
12 3	7 23.92	+20 24.6	2.495	3.317	10.9	20.3
12 13	7 17.31	+20 14.0	2.414	3.317	8.0	20.1
12 23	7 8.93	+20 5.6	2.359	3.316	4.6	19.9
1 2	6 59.45	+19 58.3	2.334	3.315	1.3	19.6
1 12	6 49.76	+19 51.3	2.340	3.313	2.9	19.7
1 22	6 40.76	+19 44.3	2.377	3.311	6.3	20.0
2 1	6 33.24	+19 37.4	2.443	3.308	9.5	20.2
2 11	6 27.77	+19 30.9	2.533	3.305	12.2	20.3
66467	1999 RT_{16}		1 4.3	121.°91	2.°7/ 5.0	18
12 3	7 25.42	+14 33.7	1.898	2.719	13.8	19.9
12 13	7 18.68	+14 36.1	1.836	2.735	10.3	19.7
12 23	7 9.79	+14 47.5	1.799	2.751	6.4	19.5
1 2	6 59.61	+15 6.7	1.790	2.766	3.0	19.3
1 12	6 49.27	+15 31.7	1.810	2.780	4.1	19.4
1 22	6 39.90	+16 0.2	1.860	2.794	7.8	19.6
2 1	6 32.44	+16 30.3	1.936	2.807	11.3	19.9
2 11	6 27.50	+17 0.4	2.036	2.820	14.4	20.1
393681	2004 RV_{251}		1 4.3	90.°05	1.°1/ 4.1	16
12 3	7 28.98	+24 10.9	1.548	2.388	15.4	21.5
12 13	7 21.66	+24 38.2	1.498	2.411	11.1	21.3
12 23	7 11.61	+25 6.9	1.472	2.433	6.3	21.1
1 2	6 59.96	+25 32.2	1.473	2.455	1.6	20.8
1 12	6 48.24	+25 50.7	1.503	2.476	4.1	21.0
1 22	6 37.92	+26 1.2	1.561	2.497	8.8	21.4
2 1	6 30.16	+26 4.4	1.644	2.518	12.8	21.6
2 11	6 25.60	+26 2.4	1.749	2.538	16.2	21.9
496642	2016 AE_3		1 4.4	281.°92	0.°2/ 4.4	18
12 3	7 23.65	+20 23.6	1.709	2.550	14.2	21.1
12 13	7 18.08	+20 51.3	1.620	2.532	10.5	20.8
12 23	7 9.84	+21 25.9	1.554	2.515	6.1	20.5
1 2	6 59.69	+22 4.2	1.515	2.498	1.2	20.2
1 12	6 48.89	+22 42.2	1.506	2.480	3.8	20.3
1 22	6 38.84	+23 16.9	1.524	2.463	8.7	20.6
2 1	6 30.82	+23 46.6	1.567	2.445	13.1	20.8
2 11	6 25.75	+24 11.0	1.633	2.428	16.9	21.0
113998	2002 UK_{33}		1 4.4	120.°82	1.°8/ 4.0	18
12 3	7 30.50	+26 13.6	1.594	2.431	15.2	20.2
12 13	7 22.83	+26 37.4	1.536	2.447	11.0	20.0
12 23	7 12.34	+27 0.2	1.503	2.463	6.4	19.7
1 2	7 0.12	+27 17.3	1.497	2.477	2.1	19.5
1 12	6 47.76	+27 25.4	1.520	2.492	4.4	19.7
1 22	6 36.77	+27 23.9	1.571	2.505	8.9	20.0
2 1	6 28.37	+27 14.6	1.648	2.518	13.0	20.3
2 11	6 23.26	+27 0.2	1.746	2.530	16.4	20.5

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
212986	2009 DG_{14}		1 4.4	265.°53	0.°1/ 4.3	18
12 3	7 25.25	+22 26.9	1.750	2.589	14.0	20.9
12 13	7 19.18	+22 35.8	1.661	2.573	10.3	20.6
12 23	7 10.42	+22 47.8	1.596	2.557	5.9	20.3
1 2	6 59.82	+23 0.0	1.558	2.541	1.2	20.0
1 12	6 48.64	+23 9.7	1.550	2.524	3.8	20.1
1 22	6 38.27	+23 15.6	1.569	2.507	8.6	20.4
2 1	6 29.99	+23 17.5	1.615	2.490	12.9	20.6
2 11	6 24.67	+23 16.4	1.682	2.473	16.6	20.8
309406	2007 TG_{275}		1 4.4	22.°94	3.°2/ 5.1	18
12 3	7 21.84	+15 2.4	1.223	2.077	17.8	20.4
12 13	7 17.04	+15 3.9	1.168	2.084	13.3	20.1
12 23	7 9.25	+15 18.9	1.133	2.092	8.2	19.8
1 2	6 59.57	+15 46.0	1.122	2.101	3.7	19.6
1 12	6 49.61	+16 21.7	1.137	2.111	5.1	19.7
1 22	6 40.96	+17 2.2	1.177	2.122	10.0	20.0
2 1	6 34.93	+17 43.8	1.241	2.133	14.7	20.3
2 11	6 32.28	+18 23.8	1.323	2.146	18.6	20.6
72041	2000 XX_{53}		1 4.4	238.°23	1.°8/ 4.7	18
12 3	7 24.85	+18 24.0	1.639	2.476	14.8	19.7
12 13	7 18.79	+18 15.8	1.563	2.473	11.0	19.4
12 23	7 10.12	+18 13.8	1.511	2.469	6.5	19.2
1 2	6 59.75	+18 16.6	1.486	2.466	2.2	18.9
1 12	6 48.99	+18 22.8	1.489	2.462	4.1	19.0
1 22	6 39.20	+18 31.0	1.520	2.459	8.7	19.3
2 1	6 31.59	+18 40.4	1.576	2.455	13.0	19.5
2 11	6 26.92	+18 50.3	1.654	2.451	16.6	19.7
81792	2000 JE_{85}		1 4.4	139.°65	5.°1/ 5.8	18
12 3	7 22.35	+ 6 48.1	2.243	3.037	12.8	19.8
12 13	7 16.23	+ 6 30.7	2.174	3.048	10.1	19.7
12 23	7 8.34	+ 6 26.1	2.130	3.059	7.3	19.5
1 2	6 59.37	+ 6 35.2	2.114	3.068	5.3	19.4
1 12	6 50.23	+ 6 57.1	2.127	3.078	5.6	19.4
1 22	6 41.82	+ 7 29.9	2.169	3.087	7.9	19.6
2 1	6 34.91	+ 8 10.8	2.238	3.095	10.6	19.8
2 11	6 30.07	+ 8 56.5	2.331	3.103	13.1	20.0
96691	1999 JH_{73}		1 4.4	227.°24	0.°3/ 4.3	18
12 3	7 25.36	+21 17.6	1.606	2.448	14.9	19.0
12 13	7 19.34	+21 55.1	1.531	2.445	10.9	18.7
12 23	7 10.54	+22 39.0	1.480	2.442	6.2	18.5
1 2	6 59.85	+23 24.8	1.456	2.439	1.2	18.1
1 12	6 48.65	+24 7.9	1.461	2.435	4.0	18.3
1 22	6 38.42	+24 44.9	1.493	2.432	8.9	18.6
2 1	6 30.46	+25 14.5	1.551	2.428	13.3	18.9
2 11	6 25.62	+25 37.1	1.630	2.425	16.9	19.1
406037	2006 TA_{93}		1 4.4	95.°26	2.°4/ 3.9	18
12 3	7 28.42	+28 34.9	1.871	2.704	13.5	21.5
12 13	7 20.96	+29 0.8	1.820	2.728	9.8	21.3
12 23	7 11.12	+29 23.4	1.793	2.750	5.8	21.1
1 2	6 59.90	+29 38.6	1.795	2.773	2.6	21.0
1 12	6 48.65	+29 43.6	1.826	2.795	4.3	21.1
1 22	6 38.62	+29 38.4	1.886	2.816	8.0	21.4
2 1	6 30.84	+29 24.8	1.973	2.837	11.5	21.6
2 11	6 25.91	+29 5.6	2.083	2.858	14.4	21.9
457220	2008 KY_6		1 4.4	270.°78	0.°9/ 4.7	17
12 3	7 23.16	+17 18.5	1.955	2.785	13.1	21.1
12 13	7 17.47	+18 2.4	1.861	2.767	9.7	20.9
12 23	7 9.40	+18 56.4	1.791	2.749	5.7	20.6
1 2	6 59.64	+19 57.4	1.749	2.731	1.5	20.3
1 12	6 49.24	+21 1.2	1.738	2.712	3.5	20.4
1 22	6 39.42	+22 3.6	1.756	2.693	7.9	20.6
2 1	6 31.30	+23 1.5	1.801	2.674	11.9	20.8
2 11	6 25.75	+23 53.3	1.869	2.655	15.4	21.0
180851	2005 GZ_{161}		1 4.4	165.°65	4.°1/ 3.8	18
12 3	7 30.49	+30 34.9	1.356	2.203	16.8	20.6
12 13	7 23.58	+31 9.9	1.291	2.205	12.5	20.3
12 23	7 13.13	+31 40.3	1.248	2.206	7.8	20.1
1 2	7 0.35	+31 58.8	1.231	2.207	4.2	19.8
1 12	6 47.14	+32 0.4	1.240	2.207	6.2	20.0
1 22	6 35.45	+31 44.8	1.276	2.208	10.8	20.2
2 1	6 26.84	+31 15.9	1.336	2.208	15.3	20.5
2 11	6 22.19	+30 39.2	1.415	2.208	19.1	20.7
421379	2013 TK_{140}		1 4.4	30.°43	10.°1/ 7.3	18
12 3	7 19.05	− 2 17.2	1.660	2.442	17.2	19.7
12 13	7 14.22	− 3 17.5	1.613	2.459	14.5	19.6
12 23	7 7.31	− 3 53.6	1.585	2.477	12.0	19.5
1 2	6 59.18	− 4 1.6	1.581	2.496	10.4	19.4
1 12	6 50.94	− 3 41.3	1.601	2.516	10.3	19.5
1 22	6 43.67	− 2 55.9	1.646	2.536	11.8	19.6
2 1	6 38.26	− 1 51.2	1.714	2.557	14.0	19.8
2 11	6 35.30	− 0 34.3	1.802	2.579	16.2	20.0

143682 2003 SQ_{266} 1 4.4 152.°12 0.°6/ 4.5 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 26.09	+20 10.6	2.017	2.844	12.9	21.3
12 13	7 19.21	+20 24.2	1.947	2.853	9.4	21.0
12 23	7 10.16	+20 41.9	1.903	2.862	5.4	20.8
1 2	6 59.75	+21 1.5	1.887	2.869	1.2	20.5
1 12	6 49.10	+21 20.4	1.902	2.876	3.3	20.7
1 22	6 39.35	+21 37.3	1.946	2.882	7.4	21.0
2 1	6 31.47	+21 51.3	2.018	2.888	11.0	21.2
2 11	6 26.11	+22 2.9	2.113	2.893	14.1	21.4

378381 2007 QG_{13} 1 4.4 77.°70 6.°6/ 2.3 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 27.84	+41 3.1	2.250	3.063	12.2	20.3
12 13	7 20.73	+42 18.9	2.203	3.083	9.7	20.2
12 23	7 11.11	+43 23.6	2.181	3.103	7.5	20.1
1 2	6 59.93	+44 10.6	2.186	3.123	6.6	20.1
1 12	6 48.52	+44 36.1	2.221	3.143	7.4	20.2
1 22	6 38.20	+44 40.0	2.282	3.162	9.4	20.3
2 1	6 30.07	+44 25.4	2.369	3.182	11.6	20.5
2 11	6 24.82	+43 57.1	2.476	3.201	13.7	20.7

88942 2001 TK_{35} 1 4.4 100.°71 2.°3/ 4.7 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 25.42	+17 2.6	2.011	2.835	13.0	19.4
12 13	7 18.51	+16 37.4	1.953	2.854	9.6	19.3
12 23	7 9.63	+16 17.6	1.920	2.874	5.8	19.1
1 2	6 59.63	+16 2.9	1.915	2.893	2.6	18.9
1 12	6 49.58	+15 53.0	1.941	2.911	3.8	19.0
1 22	6 40.52	+15 47.3	1.996	2.930	7.4	19.3
2 1	6 33.31	+15 45.4	2.078	2.948	10.8	19.5
2 11	6 28.50	+15 46.5	2.184	2.965	13.6	19.7

204301 2004 PU_{84} 1 4.4 72.°66 0.°0/ 4.3 17

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 27.77	+21 25.8	1.405	2.250	16.4	20.3
12 13	7 20.96	+21 50.2	1.358	2.273	11.9	20.1
12 23	7 11.30	+22 19.4	1.333	2.295	6.7	19.8
1 2	6 59.97	+22 49.0	1.335	2.317	1.3	19.5
1 12	6 48.57	+23 15.3	1.364	2.339	4.1	19.8
1 22	6 38.63	+23 36.0	1.421	2.361	9.1	20.1
2 1	6 31.34	+23 51.0	1.503	2.383	13.4	20.4
2 11	6 27.36	+24 1.1	1.605	2.405	16.9	20.7

234254 2000 UE_{11} 1 4.4 124.°69 1.°2/ 4.6 18 R

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 27.20	+18 53.3	1.864	2.692	13.7	21.0
12 13	7 20.03	+18 56.4	1.803	2.708	10.0	20.8
12 23	7 10.61	+19 4.7	1.767	2.724	5.9	20.6
1 2	6 59.84	+19 16.2	1.759	2.740	1.7	20.3
1 12	6 48.94	+19 28.9	1.781	2.755	3.6	20.5
1 22	6 39.08	+19 41.3	1.832	2.769	7.7	20.8
2 1	6 31.27	+19 53.0	1.911	2.782	11.4	21.0
2 11	6 26.13	+20 3.6	2.012	2.795	14.6	21.3

330137 2005 YW_{151} 1 4.4 302.°66 1.°3/ 4.0 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 23.09	+24 44.5	1.950	2.789	12.8	20.8
12 13	7 17.30	+25 18.7	1.875	2.788	9.3	20.6
12 23	7 9.20	+25 54.7	1.826	2.786	5.4	20.4
1 2	6 59.60	+26 28.6	1.804	2.785	1.6	20.1
1 12	6 49.63	+26 56.9	1.812	2.784	3.7	20.3
1 22	6 40.50	+27 17.7	1.848	2.783	7.8	20.5
2 1	6 33.25	+27 30.7	1.911	2.782	11.5	20.7
2 11	6 28.62	+27 37.1	1.997	2.781	14.6	20.9

326737 2003 KC_2 1 4.4 265.°37 1.°1/ 4.7 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 22.51	+17 32.7	2.087	2.915	12.5	21.0
12 13	7 16.84	+17 59.8	1.992	2.897	9.2	20.7
12 23	7 8.98	+18 34.9	1.922	2.879	5.5	20.5
1 2	6 59.58	+19 15.7	1.880	2.861	1.6	20.2
1 12	6 49.65	+19 59.3	1.869	2.843	3.4	20.3
1 22	6 40.28	+20 42.8	1.887	2.824	7.4	20.5
2 1	6 32.51	+21 23.9	1.932	2.805	11.3	20.7
2 11	6 27.13	+22 1.5	2.001	2.786	14.5	20.8

31252 1998 DA_{15} 1 4.4 23.°85 5.°8/ 7.1 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 19.62	+ 2 50.9	2.054	2.843	14.0	18.0
12 13	7 14.50	+ 3 17.3	1.981	2.848	11.3	17.9
12 23	7 7.48	+ 4 3.2	1.931	2.853	8.4	17.7
1 2	6 59.27	+ 5 8.2	1.907	2.858	6.1	17.6
1 12	6 50.77	+ 6 29.6	1.912	2.863	6.1	17.6
1 22	6 42.95	+ 8 2.5	1.947	2.869	8.3	17.7
2 1	6 36.67	+ 9 41.4	2.009	2.876	11.2	17.9
2 11	6 32.55	+11 20.7	2.095	2.882	13.9	18.1

314224 2005 OU 1 4.4 168.°66 5.°2/ 3.6 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 30.77	+38 3.2	2.105	2.922	12.8	21.3
12 13	7 22.83	+38 26.3	2.034	2.925	9.9	21.1
12 23	7 12.30	+38 38.7	1.989	2.927	7.0	20.9
1 2	7 0.19	+38 35.2	1.972	2.930	5.3	20.8
1 12	6 47.91	+38 13.4	1.984	2.932	6.2	20.9
1 22	6 36.82	+37 34.3	2.024	2.933	8.9	21.1
2 1	6 28.06	+36 41.8	2.092	2.934	11.8	21.3
2 11	6 22.30	+35 41.6	2.182	2.935	14.5	21.4

239550 2008 SF_{115} 1 4.4 310.°62 2.°8/ 4.9 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 23.39	+15 29.0	1.353	2.199	16.9	20.5
12 13	7 18.27	+15 37.2	1.277	2.190	12.7	20.2
12 23	7 10.11	+15 58.1	1.223	2.181	7.8	19.9
1 2	6 59.83	+16 30.2	1.193	2.172	3.2	19.6
1 12	6 48.93	+17 10.2	1.190	2.164	4.9	19.7
1 22	6 39.04	+17 54.3	1.213	2.156	10.0	19.9
2 1	6 31.61	+18 39.0	1.260	2.148	14.9	20.2
2 11	6 27.58	+19 21.7	1.327	2.141	19.0	20.4

122357 2000 QH_{49} 1 4.4 44.°02 0.°9/ 4.2 17

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 26.29	+23 51.6	1.206	2.064	17.7	19.4
12 13	7 20.30	+24 7.4	1.159	2.081	12.8	19.2
12 23	7 11.09	+24 25.5	1.134	2.098	7.3	18.9
1 2	6 59.97	+24 41.4	1.134	2.116	1.6	18.6
1 12	6 48.75	+24 51.5	1.160	2.135	4.6	18.9
1 22	6 39.19	+24 54.7	1.211	2.154	10.0	19.2
2 1	6 32.60	+24 52.0	1.286	2.174	14.7	19.6
2 11	6 29.64	+24 45.2	1.380	2.194	18.5	19.9

266378 2007 ET_{111} 1 4.4 55.°40 0.°3/ 4.5 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 22.57	+20 38.0	1.904	2.740	13.1	20.9
12 13	7 16.86	+20 56.0	1.832	2.743	9.6	20.6
12 23	7 8.93	+21 18.7	1.784	2.745	5.5	20.4
1 2	6 59.57	+21 43.4	1.765	2.747	1.2	20.1
1 12	6 49.91	+22 7.6	1.775	2.750	3.4	20.3
1 22	6 41.11	+22 29.1	1.813	2.752	7.6	20.5
2 1	6 34.17	+22 47.2	1.878	2.755	11.4	20.8
2 11	6 29.77	+23 1.8	1.966	2.757	14.6	21.0

200072 2132 $T\text{-}_2$ 1 4.4 35.°35 6.°1/ 5.9 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 19.98	+ 5 28.1	2.009	2.809	13.9	19.8
12 13	7 14.77	+ 4 59.6	1.937	2.812	11.1	19.6
12 23	7 7.66	+ 4 46.1	1.889	2.814	8.3	19.4
1 2	6 59.33	+ 4 49.1	1.867	2.817	6.3	19.3
1 12	6 50.76	+ 5 8.5	1.873	2.820	6.6	19.3
1 22	6 42.92	+ 5 42.3	1.906	2.823	8.8	19.5
2 1	6 36.67	+ 6 27.1	1.966	2.826	11.7	19.6
2 11	6 32.62	+ 7 18.7	2.047	2.830	14.4	19.8

16198 Búzios 1 4.4 126.°49 6.°3/ 6.1 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 23.11	+ 4 28.5	2.051	2.841	14.1	17.9
12 13	7 16.90	+ 4 1.2	1.987	2.854	11.3	17.8
12 23	7 8.80	+ 3 49.4	1.946	2.866	8.4	17.6
1 2	6 59.55	+ 3 54.6	1.932	2.879	6.5	17.5
1 12	6 50.13	+ 4 16.3	1.947	2.890	6.7	17.6
1 22	6 41.52	+ 4 52.3	1.990	2.902	8.8	17.7
2 1	6 34.56	+ 5 39.1	2.059	2.912	11.5	17.9
2 11	6 29.83	+ 6 32.4	2.151	2.923	14.1	18.1

54059 2000 GN_{134} 1 4.4 140.°69 5.°9/ 2.4 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 28.68	+36 3.7	1.943	2.770	13.3	18.9
12 13	7 21.71	+37 27.0	1.880	2.776	10.2	18.7
12 23	7 11.91	+38 43.5	1.842	2.782	7.4	18.6
1 2	7 0.20	+39 45.2	1.832	2.787	5.9	18.5
1 12	6 48.01	+40 26.4	1.850	2.792	7.2	18.6
1 22	6 36.85	+40 45.6	1.897	2.797	9.9	18.8
2 1	6 28.04	+40 45.0	1.968	2.801	12.9	19.0
2 11	6 22.39	+40 29.6	2.060	2.805	15.5	19.2

328328 2008 JJ_{26} 1 4.4 321.°56 19.°3/28.8 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 22.43	−14 35.2	1.517	2.233	21.2	20.0
12 13	7 17.58	−17 56.4	1.442	2.204	20.1	19.8
12 23	7 9.82	−20 53.7	1.385	2.176	19.4	19.7
1 2	6 59.85	−23 13.0	1.348	2.148	19.3	19.6
1 12	6 48.92	−24 43.9	1.330	2.121	20.0	19.6
1 22	6 38.51	−25 22.3	1.329	2.095	21.4	19.6
2 1	6 30.11	−25 10.6	1.343	2.069	23.0	19.6
2 11	6 24.85	−24 17.4	1.370	2.045	24.8	19.7

419856 2011 AX_{11} 1 4.4 295.°46 1.°5/ 4.9 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 22.26	+15 40.1	1.898	2.727	13.5	21.1
12 13	7 16.73	+16 24.4	1.818	2.723	10.0	20.9
12 23	7 8.94	+17 19.7	1.763	2.720	6.0	20.7
1 2	6 59.62	+18 23.0	1.737	2.717	2.0	20.4
1 12	6 49.86	+19 30.0	1.740	2.714	3.5	20.5
1 22	6 40.81	+20 36.4	1.772	2.711	7.7	20.8
2 1	6 33.54	+21 38.8	1.832	2.708	11.6	21.0
2 11	6 28.79	+22 35.4	1.914	2.705	14.9	21.2

153214 2000 XP_{51} 1 4.4 95.°17 4.°6/ 3.3 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 27.42	+34 30.5	2.038	2.866	12.7	20.0
12 13	7 20.38	+35 18.9	1.983	2.882	9.6	19.8
12 23	7 10.91	+36 0.2	1.953	2.899	6.5	19.7
1 2	6 59.97	+36 28.8	1.951	2.915	4.6	19.6
1 12	6 48.87	+36 41.5	1.978	2.931	5.8	19.7
1 22	6 38.88	+36 37.9	2.033	2.946	8.6	19.9
2 1	6 31.07	+36 20.7	2.115	2.962	11.5	20.1
2 11	6 26.08	+35 53.8	2.219	2.977	14.1	20.3

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
115534	2003 UZ_{53}		1 4.4	128.°64	3.°0/ 3.8	18
	h m	° ′			°	m
12 3	7 25.02	+31 46.0	2.227	3.056	11.7	20.1
12 13	7 18.46	+32 3.5	2.156	3.061	8.7	19.9
12 23	7 9.76	+32 15.9	2.111	3.065	5.5	19.7
1 2	6 59.75	+32 19.6	2.095	3.069	3.1	19.6
1 12	6 49.55	+32 12.5	2.109	3.072	4.4	19.6
1 22	6 40.27	+31 54.7	2.151	3.076	7.5	19.8
2 1	6 32.86	+31 28.1	2.221	3.080	10.6	20.0
2 11	6 27.93	+30 55.8	2.314	3.083	13.3	20.2
412	Elisabetha		1 4.4	269.°43	0.°4/ 4.5	18
12 3	7 22.59	+18 37.0	1.950	2.783	13.0	13.6
12 13	7 16.97	+19 24.2	1.870	2.778	9.5	13.4
12 23	7 9.08	+20 19.7	1.814	2.774	5.5	13.2
1 2	6 59.65	+21 19.9	1.787	2.770	1.2	12.8
1 12	6 49.77	+22 20.5	1.790	2.765	3.4	13.0
1 22	6 40.60	+23 17.6	1.823	2.761	7.6	13.3
2 1	6 33.18	+24 8.8	1.882	2.756	11.5	13.5
2 11	6 28.30	+24 53.0	1.965	2.752	14.7	13.7
461773	2005 UB_{384}		1 4.4	309.°62	7.°4/ 5.4	18
12 3	7 21.11	+ 5 6.2	1.811	2.614	15.1	21.1
12 13	7 15.85	+ 4 6.6	1.732	2.606	12.3	20.9
12 23	7 8.40	+ 3 21.6	1.676	2.598	9.4	20.7
1 2	6 59.51	+ 2 54.9	1.645	2.590	7.6	20.6
1 12	6 50.25	+ 2 48.1	1.642	2.582	8.0	20.6
1 22	6 41.73	+ 3 0.5	1.664	2.575	10.3	20.7
2 1	6 34.96	+ 3 29.2	1.711	2.567	13.4	20.9
2 11	6 30.66	+ 4 9.9	1.780	2.560	16.3	21.1
315480	2007 YK_{50}		1 4.4	338.°93	0.°1/ 4.4	18
12 3	7 23.21	+23 38.4	1.341	2.198	16.3	20.9
12 13	7 18.21	+23 26.6	1.267	2.188	12.0	20.6
12 23	7 10.09	+23 15.8	1.215	2.179	6.9	20.3
1 2	6 59.88	+23 3.7	1.188	2.170	1.4	19.9
1 12	6 49.18	+22 48.7	1.187	2.162	4.4	20.1
1 22	6 39.66	+22 30.6	1.211	2.155	9.8	20.4
2 1	6 32.76	+22 10.9	1.259	2.149	14.7	20.7
2 11	6 29.34	+21 51.1	1.327	2.144	18.9	20.9
110036	2001 SP_{79}		1 4.4	10.°83	4.°6/ 5.8	18
12 3	7 19.34	+ 8 8.1	2.246	3.051	12.5	19.9
12 13	7 14.19	+ 7 58.1	2.169	3.051	9.8	19.7
12 23	7 7.30	+ 8 0.5	2.116	3.051	6.9	19.6
1 2	6 59.30	+ 8 15.5	2.091	3.052	4.8	19.4
1 12	6 51.05	+ 8 42.5	2.095	3.052	5.2	19.5
1 22	6 43.43	+ 9 19.2	2.128	3.052	7.6	19.6
2 1	6 37.22	+10 2.9	2.187	3.052	10.5	19.8
2 11	6 33.02	+10 50.6	2.270	3.053	13.1	20.0
12070	Kilkis		1 4.4	213.°71	1.°3/ 4.1	18
12 3	7 26.58	+25 6.6	1.979	2.811	12.9	19.1
12 13	7 19.90	+25 32.7	1.896	2.805	9.4	18.9
12 23	7 10.78	+25 59.8	1.838	2.798	5.5	18.6
1 2	7 0.02	+26 24.1	1.809	2.790	1.6	18.3
1 12	6 48.82	+26 42.4	1.810	2.782	3.8	18.5
1 22	6 38.44	+26 53.0	1.840	2.773	7.9	18.7
2 1	6 30.01	+26 56.4	1.897	2.764	11.7	18.9
2 11	6 24.30	+26 54.0	1.977	2.754	15.0	19.1
451224	2010 CC_{42}		1 4.4	245.°67	2.°7/ 5.0	18
12 3	7 25.16	+14 57.9	1.609	2.441	15.4	21.5
12 13	7 19.23	+15 5.0	1.526	2.431	11.6	21.3
12 23	7 10.56	+15 23.3	1.465	2.420	7.2	21.0
1 2	7 0.00	+15 51.4	1.432	2.410	3.2	20.7
1 12	6 48.85	+16 26.9	1.426	2.398	4.6	20.8
1 22	6 38.55	+17 6.4	1.449	2.387	9.1	21.0
2 1	6 30.38	+17 47.3	1.496	2.375	13.6	21.2
2 11	6 25.23	+18 27.3	1.565	2.363	17.4	21.5
61390	2000 QR_3		1 4.4	222.°35	0.°0/ 4.3	18
12 3	7 26.65	+21 37.3	1.850	2.682	13.6	20.1
12 13	7 20.07	+21 53.4	1.765	2.674	10.0	19.8
12 23	7 10.93	+22 13.3	1.705	2.665	5.8	19.5
1 2	7 0.07	+22 34.1	1.672	2.655	1.1	19.2
1 12	6 48.71	+22 53.0	1.670	2.644	3.6	19.4
1 22	6 38.18	+23 8.1	1.697	2.633	8.2	19.6
2 1	6 29.66	+23 19.0	1.750	2.622	12.3	19.8
2 11	6 23.96	+23 26.3	1.825	2.610	15.8	20.0
421212	2013 SR_{25}		1 4.4	131.°88	6.°0/ 2.9	18
12 3	7 28.03	+41 2.4	2.399	3.208	11.6	21.5
12 13	7 20.77	+41 51.3	2.337	3.217	9.2	21.4
12 23	7 11.16	+42 29.6	2.300	3.225	7.1	21.3
1 2	7 0.09	+42 51.7	2.291	3.233	6.0	21.2
1 12	6 48.79	+42 54.8	2.311	3.240	6.8	21.3
1 22	6 38.52	+42 38.9	2.359	3.248	8.8	21.4
2 1	6 30.30	+42 7.1	2.433	3.255	11.1	21.6
2 11	6 24.81	+41 24.1	2.529	3.261	13.2	21.8

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
407941	2012 CA_{45}		1 4.4	33.°34	6.°4/ 6.4	18
	h m	° ′			°	m
12 3	7 21.24	+ 5 55.0	1.556	2.371	16.6	20.9
12 13	7 16.14	+ 5 51.4	1.492	2.378	13.1	20.7
12 23	7 8.64	+ 6 7.8	1.450	2.385	9.5	20.5
1 2	6 59.61	+ 6 45.0	1.433	2.392	6.7	20.4
1 12	6 50.28	+ 7 40.6	1.443	2.400	6.9	20.4
1 22	6 41.92	+ 8 50.1	1.479	2.408	9.8	20.6
2 1	6 35.59	+10 7.6	1.540	2.417	13.4	20.8
2 11	6 32.02	+11 27.4	1.623	2.426	16.6	21.1
462043	2007 DX_{21}		1 4.4	232.°42	6.°3/ 3.2	18
12 3	7 29.45	+40 17.2	2.050	2.867	13.1	21.5
12 13	7 22.19	+40 55.9	1.977	2.863	10.4	21.3
12 23	7 12.14	+41 23.1	1.927	2.858	7.8	21.2
1 2	7 0.30	+41 32.5	1.905	2.854	6.4	21.1
1 12	6 48.14	+41 20.6	1.911	2.849	7.3	21.1
1 22	6 37.13	+40 47.8	1.945	2.844	9.7	21.3
2 1	6 28.51	+39 58.3	2.004	2.839	12.6	21.4
2 11	6 23.04	+38 57.9	2.084	2.834	15.2	21.6
429979	2013 LH_{30}		1 4.4	189.°03	15.°1/10.4	18
12 3	7 26.63	−11 49.8	1.305	2.045	23.0	20.8
12 13	7 20.60	−12 19.6	1.238	2.045	20.4	20.6
12 23	7 11.46	−12 8.5	1.187	2.045	17.8	20.5
1 2	7 0.21	−11 8.8	1.156	2.044	15.7	20.3
1 12	6 48.38	− 9 19.5	1.146	2.043	15.1	20.3
1 22	6 37.64	− 6 48.1	1.159	2.041	16.3	20.3
2 1	6 29.44	− 3 47.9	1.196	2.039	18.7	20.5
2 11	6 24.72	− 0 35.1	1.253	2.037	21.6	20.7
127804	2003 FH_{80}		1 4.4	236.°23	1.°3/ 4.1	18
12 3	7 27.39	+24 18.8	1.828	2.663	13.7	20.4
12 13	7 20.78	+24 52.8	1.740	2.650	10.0	20.2
12 23	7 11.45	+25 29.6	1.676	2.636	5.8	19.9
1 2	7 0.21	+26 4.7	1.640	2.622	1.6	19.6
1 12	6 48.35	+26 34.0	1.634	2.607	4.0	19.7
1 22	6 37.27	+26 55.1	1.657	2.591	8.6	20.0
2 1	6 28.28	+27 7.7	1.706	2.575	12.7	20.2
2 11	6 22.25	+27 13.4	1.777	2.558	16.3	20.4
245053	2004 FT_{91}		1 4.4	217.°44	2.°2/ 3.5	18
12 3	7 21.84	+28 8.3	2.642	3.470	10.1	20.7
12 13	7 16.04	+28 55.8	2.560	3.466	7.4	20.5
12 23	7 8.41	+29 42.9	2.506	3.462	4.5	20.3
1 2	6 59.58	+30 25.7	2.481	3.457	2.3	20.1
1 12	6 50.41	+31 1.3	2.487	3.453	3.6	20.2
1 22	6 41.80	+31 27.8	2.523	3.448	6.6	20.4
2 1	6 34.60	+31 45.0	2.587	3.443	9.4	20.6
2 11	6 29.42	+31 54.2	2.675	3.437	11.9	20.7
424748	2008 SN_{305}		1 4.4	85.°88	5.°6/ 2.6	18
12 3	7 26.84	+37 17.2	2.149	2.972	12.3	21.3
12 13	7 20.08	+38 27.2	2.094	2.986	9.5	21.1
12 23	7 10.84	+39 28.9	2.064	3.001	6.9	21.0
1 2	7 0.06	+40 15.9	2.063	3.015	5.6	20.9
1 12	6 48.99	+40 44.2	2.090	3.029	6.6	21.0
1 22	6 38.94	+40 53.1	2.145	3.043	9.0	21.2
2 1	6 31.01	+40 44.9	2.226	3.057	11.6	21.4
2 11	6 25.89	+40 23.9	2.328	3.071	14.0	21.6
51945	2001 QM_{196}		1 4.4	125.°53	6.°7/ 2.6	18
12 3	7 28.06	+43 48.5	2.462	3.264	11.6	19.5
12 13	7 20.87	+44 42.0	2.400	3.270	9.5	19.4
12 23	7 11.26	+45 23.5	2.364	3.276	7.6	19.3
1 2	7 0.13	+45 47.2	2.354	3.282	6.7	19.2
1 12	6 48.76	+45 50.1	2.373	3.288	7.4	19.3
1 22	6 38.41	+45 32.4	2.419	3.294	9.2	19.4
2 1	6 30.16	+44 57.3	2.491	3.299	11.3	19.6
2 11	6 24.69	+44 9.8	2.584	3.304	13.2	19.7
378384	2007 QR_{14}		1 4.4	30.°95	6.°2/ 4.1	18
12 3	7 28.25	+38 35.5	1.566	2.402	15.5	19.9
12 13	7 21.35	+38 51.6	1.525	2.425	11.9	19.8
12 23	7 11.54	+38 53.7	1.506	2.448	8.4	19.6
1 2	7 0.15	+38 36.6	1.512	2.473	6.2	19.5
1 12	6 48.93	+37 58.9	1.546	2.498	7.2	19.7
1 22	6 39.44	+37 3.5	1.606	2.524	10.1	19.9
2 1	6 32.78	+35 56.4	1.690	2.551	13.3	20.1
2 11	6 29.48	+34 43.9	1.796	2.578	16.1	20.4
271199	2003 SM_{329}		1 4.4	165.°06	2.°7/ 5.0	18
12 3	7 21.45	+14 42.1	2.285	3.104	11.8	21.1
12 13	7 15.71	+14 27.1	2.208	3.106	8.9	20.9
12 23	7 8.18	+14 18.8	2.157	3.107	5.6	20.7
1 2	6 59.53	+14 17.2	2.134	3.109	2.9	20.5
1 12	6 50.67	+14 21.5	2.142	3.110	3.8	20.6
1 22	6 42.49	+14 30.9	2.178	3.111	6.9	20.8
2 1	6 35.79	+14 44.0	2.243	3.112	10.1	21.0
2 11	6 31.16	+14 59.7	2.331	3.113	12.8	21.2

159377 1997 TO_1 1 4.4 147.°63 2.°1/ 4.8 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 26.98	+17 7.6	1.808	2.634	14.2	21.2
12 13	7 20.05	+17 0.8	1.739	2.643	10.5	21.0
12 23	7 10.78	+17 0.6	1.696	2.651	6.3	20.8
1 2	7 0.05	+17 5.9	1.680	2.659	2.5	20.5
1 12	6 49.09	+17 15.1	1.694	2.666	4.0	20.6
1 22	6 39.12	+17 26.8	1.737	2.673	8.1	20.9
2 1	6 31.21	+17 39.9	1.806	2.679	11.9	21.1
2 11	6 26.01	+17 53.8	1.898	2.684	15.2	21.4

132510 2002 JB_{42} 1 4.4 129.°62 2.°9/ 4.9 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 25.41	+15 7.9	1.778	2.604	14.4	20.0
12 13	7 18.92	+14 56.4	1.711	2.613	10.7	19.8
12 23	7 10.14	+14 53.5	1.669	2.622	6.7	19.6
1 2	6 59.92	+14 58.6	1.654	2.630	3.2	19.4
1 12	6 49.49	+15 10.3	1.668	2.639	4.4	19.5
1 22	6 40.04	+15 26.8	1.711	2.647	8.2	19.8
2 1	6 32.60	+15 46.7	1.780	2.654	12.0	20.0
2 11	6 27.82	+16 8.3	1.872	2.661	15.2	20.2

216807 2006 SE_{392} 1 4.4 47.°96 1.°1/ 4.8 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 24.23	+16 22.5	1.423	2.267	16.4	19.1
12 13	7 18.49	+17 18.6	1.374	2.286	12.0	18.9
12 23	7 10.03	+18 26.8	1.347	2.307	7.0	18.7
1 2	6 59.91	+19 41.8	1.346	2.328	1.9	18.4
1 12	6 49.58	+20 57.3	1.374	2.349	4.0	18.6
1 22	6 40.48	+22 7.8	1.428	2.371	8.9	18.9
2 1	6 33.80	+23 10.0	1.509	2.393	13.1	19.3
2 11	6 30.23	+24 2.6	1.610	2.415	16.7	19.5

236247 2005 YH_{91} 1 4.4 51.°72 2.°0/ 4.9 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 24.88	+16 54.9	1.357	2.203	16.9	20.5
12 13	7 19.19	+17 9.4	1.296	2.209	12.5	20.2
12 23	7 10.56	+17 34.7	1.256	2.216	7.4	20.0
1 2	7 0.04	+18 8.1	1.242	2.223	2.5	19.7
1 12	6 49.17	+18 45.9	1.255	2.230	4.5	19.8
1 22	6 39.52	+19 24.3	1.294	2.237	9.5	20.1
2 1	6 32.41	+20 0.9	1.358	2.245	14.1	20.4
2 11	6 28.62	+20 34.2	1.442	2.252	18.0	20.7

456677 Yepeijian 1 4.4 95.°86 2.°0/ 4.9 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 26.67	+16 31.8	1.683	2.512	14.9	21.6
12 13	7 19.84	+16 41.0	1.628	2.533	10.9	21.4
12 23	7 10.63	+16 58.6	1.598	2.554	6.6	21.2
1 2	7 0.02	+17 22.4	1.595	2.575	2.5	20.9
1 12	6 49.30	+17 49.7	1.622	2.595	4.0	21.1
1 22	6 39.73	+18 18.2	1.676	2.614	8.2	21.4
2 1	6 32.33	+18 46.1	1.757	2.633	12.0	21.7
2 11	6 27.73	+19 12.3	1.861	2.652	15.3	21.9

453803 2011 SO_{21} 1 4.4 120.°65 0.°4/ 4.3 15

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 28.91	+23 20.3	1.799	2.631	14.0	22.1
12 13	7 21.44	+23 32.5	1.740	2.649	10.1	21.9
12 23	7 11.54	+23 46.1	1.706	2.666	5.8	21.6
1 2	7 0.20	+23 57.8	1.700	2.682	1.2	21.4
1 12	6 48.74	+24 5.4	1.724	2.698	3.6	21.6
1 22	6 38.44	+24 7.9	1.777	2.713	7.9	21.9
2 1	6 30.37	+24 6.1	1.857	2.728	11.8	22.1
2 11	6 25.16	+24 1.2	1.960	2.742	14.9	22.4

281332 2007 TZ_{311} 1 4.4 126.°01 0.°1/ 4.5 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 21.37	+21 20.3	2.503	3.330	10.7	21.6
12 13	7 15.56	+21 36.1	2.432	3.339	7.7	21.4
12 23	7 8.06	+21 54.6	2.388	3.347	4.4	21.2
1 2	6 59.52	+22 13.8	2.373	3.355	0.9	20.9
1 12	6 50.80	+22 31.9	2.389	3.363	2.7	21.1
1 22	6 42.75	+22 47.6	2.435	3.370	6.1	21.3
2 1	6 36.12	+23 0.5	2.509	3.378	9.1	21.6
2 11	6 31.47	+23 10.5	2.607	3.385	11.7	21.7

246716 2009 BP_{16} 1 4.4 268.°26 2.°0/ 4.9 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 19.59	+15 50.6	2.459	3.281	11.0	21.1
12 13	7 14.37	+15 51.9	2.373	3.273	8.2	20.9
12 23	7 7.44	+15 59.4	2.312	3.265	5.1	20.7
1 2	6 59.42	+16 12.6	2.279	3.257	2.2	20.5
1 12	6 51.10	+16 30.1	2.277	3.249	3.2	20.6
1 22	6 43.33	+16 50.5	2.305	3.240	6.4	20.8
2 1	6 36.89	+17 12.5	2.360	3.232	9.5	20.9
2 11	6 32.37	+17 34.9	2.440	3.224	12.3	21.1

381243 2007 TD_{63} 1 4.4 179.°28 1.°4/ 3.9 17

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 22.10	+27 11.2	3.002	3.825	9.2	22.4
12 13	7 15.94	+27 33.0	2.923	3.827	6.7	22.2
12 23	7 8.23	+27 53.6	2.871	3.828	3.9	22.1
1 2	6 59.56	+28 10.8	2.849	3.828	1.5	21.9
1 12	6 50.68	+28 22.7	2.859	3.828	2.9	22.0
1 22	6 42.36	+28 28.5	2.899	3.827	5.6	22.2
2 1	6 35.30	+28 28.6	2.969	3.826	8.3	22.4
2 11	6 30.01	+28 23.9	3.063	3.825	10.5	22.5

114224 2002 VZ_{113} 1 4.4 248.°77 4.°0/ 4.9 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 25.67	+14 21.6	1.444	2.280	16.6	19.9
12 13	7 19.70	+13 54.1	1.371	2.277	12.6	19.6
12 23	7 10.86	+13 36.8	1.320	2.273	8.1	19.4
1 2	7 0.12	+13 30.5	1.294	2.269	4.3	19.1
1 12	6 48.92	+13 34.5	1.295	2.265	5.6	19.2
1 22	6 38.79	+13 47.4	1.323	2.260	10.0	19.4
2 1	6 31.03	+14 7.2	1.376	2.256	14.4	19.7
2 11	6 26.49	+14 31.4	1.448	2.252	18.2	19.9

8551 Daitarabochi 1 4.4 141.°07 3.°0/ 3.1 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 19.59	+35 3.8	3.672	4.488	7.8	17.8
12 13	7 14.00	+35 41.8	3.602	4.495	5.9	17.7
12 23	7 7.08	+36 15.3	3.560	4.502	4.1	17.6
1 2	6 59.33	+36 41.8	3.548	4.508	3.0	17.5
1 12	6 51.41	+36 59.4	3.567	4.515	3.7	17.6
1 22	6 43.97	+37 7.6	3.616	4.521	5.5	17.7
2 1	6 37.61	+37 6.9	3.694	4.527	7.4	17.9
2 11	6 32.80	+36 58.8	3.795	4.533	9.1	18.0

462126 2007 RX_{191} 1 4.4 126.°59 4.°0/ 5.7 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 19.98	+ 8 45.8	2.529	3.328	11.4	22.1
12 13	7 14.46	+ 8 37.0	2.458	3.338	8.8	22.0
12 23	7 7.40	+ 8 38.6	2.412	3.347	6.2	21.8
1 2	6 59.41	+ 8 50.8	2.395	3.356	4.2	21.7
1 12	6 51.25	+ 9 12.8	2.407	3.364	4.5	21.7
1 22	6 43.69	+ 9 42.9	2.449	3.373	6.8	21.9
2 1	6 37.44	+10 18.8	2.519	3.381	9.4	22.1
2 11	6 32.98	+10 58.1	2.614	3.389	11.8	22.3

106074 2000 SO_{339} 1 4.4 259.°75 0.°0/ 4.4 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 25.15	+20 21.5	1.572	2.415	15.1	19.1
12 13	7 19.35	+21 2.9	1.496	2.409	11.1	18.9
12 23	7 10.71	+21 52.2	1.442	2.404	6.4	18.6
1 2	7 0.12	+22 45.1	1.416	2.398	1.3	18.2
1 12	6 48.95	+23 36.4	1.418	2.393	4.0	18.4
1 22	6 38.71	+24 22.2	1.448	2.387	9.0	18.7
2 1	6 30.74	+25 0.5	1.503	2.382	13.5	18.9
2 11	6 25.93	+25 31.2	1.579	2.376	17.3	19.2

419081 2009 SZ_{122} 1 4.4 137.°05 0.°9/ 4.2 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 25.14	+25 18.7	2.170	3.001	12.0	22.0
12 13	7 18.50	+25 26.3	2.101	3.009	8.7	21.8
12 23	7 9.82	+25 33.4	2.058	3.017	5.0	21.6
1 2	6 59.89	+25 37.5	2.043	3.025	1.3	21.3
1 12	6 49.78	+25 36.8	2.059	3.032	3.3	21.5
1 22	6 40.56	+25 30.8	2.105	3.039	7.0	21.7
2 1	6 33.13	+25 20.5	2.178	3.046	10.4	22.0
2 11	6 28.09	+25 7.1	2.275	3.052	13.2	22.2

160310 2003 GA_{32} 1 4.4 214.°36 1.°0/ 4.6 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 26.46	+19 9.9	1.920	2.747	13.4	21.5
12 13	7 19.84	+19 20.4	1.834	2.740	9.9	21.2
12 23	7 10.79	+19 36.5	1.774	2.732	5.8	21.0
1 2	7 0.12	+19 56.0	1.742	2.723	1.6	20.7
1 12	6 48.98	+20 16.5	1.739	2.714	3.5	20.8
1 22	6 38.63	+20 36.0	1.767	2.703	7.9	21.1
2 1	6 30.17	+20 53.7	1.821	2.692	11.9	21.3
2 11	6 24.39	+21 9.2	1.898	2.681	15.3	21.5

414797 2010 RN_{173} 1 4.4 29.°98 3.°6/ 3.6 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 24.94	+29 14.1	1.557	2.405	14.9	20.8
12 13	7 19.20	+30 4.3	1.496	2.410	11.0	20.6
12 23	7 10.57	+30 52.3	1.458	2.417	6.8	20.3
1 2	7 0.07	+31 32.0	1.447	2.423	3.7	20.2
1 12	6 49.22	+31 58.3	1.464	2.430	5.5	20.3
1 22	6 39.58	+32 9.6	1.507	2.438	9.6	20.6
2 1	6 32.43	+32 7.4	1.575	2.445	13.5	20.8
2 11	6 28.55	+31 55.2	1.663	2.454	16.8	21.0

187394 2005 UG_{501} 1 4.4 82.°21 2.°4/ 3.5 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 25.17	+25 29.1	1.854	2.692	13.3	19.9
12 13	7 19.00	+26 43.6	1.790	2.701	9.7	19.7
12 23	7 10.33	+28 0.5	1.750	2.710	5.7	19.4
1 2	7 0.03	+29 13.6	1.740	2.719	2.5	19.2
1 12	6 49.32	+30 17.2	1.759	2.727	4.5	19.4
1 22	6 39.52	+31 7.7	1.807	2.736	8.4	19.7
2 1	6 31.78	+31 44.5	1.882	2.745	12.0	19.9
2 11	6 26.85	+32 9.3	1.979	2.754	15.0	20.1

166996 2003 PC_4 1 4.4 273.°53 10.°5/ 3.8 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 41.13	+49 13.5	1.666	2.459	16.7	19.3
12 13	7 31.78	+49 48.2	1.588	2.445	14.1	19.0
12 23	7 18.08	+50 0.3	1.530	2.430	11.8	18.9
1 2	7 1.56	+49 38.7	1.497	2.416	10.6	18.8
1 12	6 44.70	+48 37.9	1.490	2.401	11.2	18.8
1 22	6 29.96	+47 1.2	1.509	2.387	13.4	18.9
2 1	6 19.16	+44 58.7	1.551	2.372	16.3	19.0
2 11	6 13.09	+42 43.0	1.614	2.357	19.2	19.2

125349 2001 VA_{59} 1 4.4 59.°19 5.°9/ 3.3 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 29.89	+33 27.0	1.312	2.161	17.1	19.0
12 13	7 23.25	+34 30.1	1.263	2.174	12.9	18.8
12 23	7 13.03	+35 25.5	1.236	2.188	8.6	18.5
1 2	7 0.57	+36 3.9	1.233	2.202	5.9	18.4
1 12	6 47.85	+36 19.7	1.257	2.216	7.6	18.6
1 22	6 36.86	+36 12.7	1.306	2.230	11.4	18.8
2 1	6 29.10	+35 47.5	1.379	2.244	15.4	19.1
2 11	6 25.31	+35 10.6	1.470	2.259	18.7	19.4

120883 1998 RH_{49} 1 4.4 155.°89 0.°3/ 4.3 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 23.06	+23 14.7	2.429	3.256	10.9	21.3
12 13	7 16.86	+23 27.1	2.355	3.262	7.9	21.1
12 23	7 8.85	+23 40.6	2.307	3.267	4.5	20.9
1 2	6 59.73	+23 53.3	2.289	3.271	0.9	20.6
1 12	6 50.39	+24 3.3	2.302	3.276	2.8	20.8
1 22	6 41.77	+24 9.6	2.345	3.279	6.4	21.0
2 1	6 34.67	+24 12.3	2.416	3.283	9.5	21.2
2 11	6 29.67	+24 12.0	2.511	3.286	12.2	21.4

151258 2002 AT_{65} 1 4.4 73.°97 1.°1/ 4.7 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 23.41	+18 45.8	1.812	2.647	13.7	20.2
12 13	7 17.51	+18 59.9	1.749	2.658	10.0	20.0
12 23	7 9.37	+19 20.1	1.711	2.670	5.9	19.8
1 2	6 59.83	+19 44.4	1.700	2.681	1.6	19.5
1 12	6 50.09	+20 9.9	1.718	2.692	3.5	19.7
1 22	6 41.30	+20 34.6	1.764	2.704	7.7	19.9
2 1	6 34.46	+20 57.2	1.837	2.715	11.5	20.2
2 11	6 30.23	+21 17.1	1.932	2.726	14.7	20.4

152764 1999 LJ_{10} 1 4.4 143.°12 3.°4/ 5.5 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 22.23	+10 29.7	2.503	3.305	11.5	20.7
12 13	7 16.09	+10 28.8	2.433	3.317	8.7	20.5
12 23	7 8.35	+10 37.5	2.388	3.328	5.9	20.4
1 2	6 59.62	+10 55.5	2.372	3.338	3.6	20.2
1 12	6 50.73	+11 21.6	2.386	3.349	4.1	20.3
1 22	6 42.48	+11 53.8	2.431	3.358	6.6	20.5
2 1	6 35.60	+12 30.1	2.505	3.367	9.4	20.7
2 11	6 30.61	+13 8.2	2.602	3.375	11.9	20.8

283976 2004 RW_{158} 1 4.4 53.°46 0.°5/ 4.5 17

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 27.17	+21 10.8	1.246	2.099	17.6	20.8
12 13	7 20.83	+21 14.2	1.200	2.119	12.8	20.6
12 23	7 11.42	+21 22.7	1.176	2.139	7.3	20.3
1 2	7 0.23	+21 33.0	1.178	2.160	1.6	20.0
1 12	6 49.00	+21 42.4	1.205	2.181	4.3	20.3
1 22	6 39.37	+21 49.3	1.259	2.203	9.6	20.6
2 1	6 32.60	+21 53.8	1.337	2.224	14.3	21.0
2 11	6 29.32	+21 56.3	1.434	2.246	18.0	21.3

212075 2005 EK_{71} 1 4.4 318.°05 4.°1/ 3.6 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 26.02	+30 15.2	1.461	2.311	15.6	19.9
12 13	7 20.37	+31 0.2	1.388	2.303	11.7	19.6
12 23	7 11.46	+31 42.7	1.337	2.294	7.3	19.4
1 2	7 0.30	+32 15.5	1.311	2.287	4.2	19.2
1 12	6 48.54	+32 33.3	1.313	2.279	6.1	19.3
1 22	6 37.95	+32 34.2	1.341	2.272	10.5	19.5
2 1	6 30.06	+32 20.4	1.392	2.265	14.8	19.7
2 11	6 25.80	+31 56.1	1.463	2.258	18.5	19.9

426400 2013 PE_{49} 1 4.4 170.°73 4.°8/ 6.1 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 21.51	+ 5 26.8	2.635	3.417	11.5	22.6
12 13	7 15.55	+ 5 18.6	2.556	3.421	9.1	22.4
12 23	7 8.05	+ 5 22.5	2.503	3.425	6.7	22.3
1 2	6 59.57	+ 5 39.1	2.478	3.428	5.0	22.2
1 12	6 50.89	+ 6 7.7	2.483	3.430	5.2	22.2
1 22	6 42.76	+ 6 46.4	2.518	3.432	7.1	22.3
2 1	6 35.88	+ 7 32.5	2.581	3.433	9.5	22.5
2 11	6 30.78	+ 8 23.1	2.669	3.434	11.8	22.6

311052 2004 BW_{148} 1 4.4 25.°23 1.°9/ 4.1 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 25.28	+26 31.1	1.424	2.276	15.8	20.5
12 13	7 19.52	+26 47.3	1.363	2.281	11.6	20.3
12 23	7 10.78	+27 2.6	1.324	2.286	6.7	20.0
1 2	7 0.15	+27 12.8	1.311	2.292	2.2	19.7
1 12	6 49.23	+27 14.5	1.325	2.299	4.6	19.9
1 22	6 39.64	+27 7.2	1.366	2.305	9.5	20.2
2 1	6 32.66	+26 52.6	1.431	2.313	13.8	20.5
2 11	6 29.06	+26 33.3	1.516	2.321	17.5	20.7

461098 2015 BP_{75} 1 4.4 71.°56 0.°6/ 4.6 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 21.93	+18 20.6	2.129	2.958	12.2	20.7
12 13	7 16.22	+19 4.2	2.065	2.971	8.9	20.5
12 23	7 8.57	+19 54.6	2.026	2.985	5.1	20.3
1 2	6 59.70	+20 48.5	2.016	2.998	1.2	20.1
1 12	6 50.59	+21 42.3	2.036	3.011	3.0	20.2
1 22	6 42.25	+22 32.9	2.087	3.024	6.8	20.5
2 1	6 35.54	+23 18.3	2.165	3.038	10.2	20.7
2 11	6 31.09	+23 57.9	2.266	3.051	13.1	21.0

454472 2014 OT_{88} 1 4.4 122.°85 2.°0/ 4.9 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 25.13	+16 45.0	1.738	2.569	14.4	21.5
12 13	7 18.85	+16 51.4	1.672	2.578	10.7	21.2
12 23	7 10.19	+17 5.9	1.629	2.586	6.4	21.0
1 2	7 0.02	+17 26.7	1.614	2.594	2.4	20.8
1 12	6 49.60	+17 51.5	1.628	2.601	3.9	20.9
1 22	6 40.15	+18 18.0	1.670	2.608	8.2	21.2
2 1	6 32.75	+18 44.4	1.738	2.615	12.1	21.4
2 11	6 28.10	+19 9.6	1.829	2.622	15.4	21.7

124427 2001 QW_{239} 1 4.4 141.°31 0.°6/ 4.5 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 28.69	+20 52.6	1.806	2.635	14.0	20.4
12 13	7 21.34	+20 56.0	1.741	2.647	10.2	20.2
12 23	7 11.56	+21 2.8	1.700	2.659	5.9	19.9
1 2	7 0.29	+21 10.7	1.688	2.670	1.3	19.7
1 12	6 48.82	+21 17.7	1.705	2.680	3.6	19.8
1 22	6 38.45	+21 22.6	1.752	2.689	8.0	20.1
2 1	6 30.23	+21 25.5	1.826	2.698	11.9	20.4
2 11	6 24.83	+21 26.9	1.922	2.706	15.1	20.6

24645 Šegon 1 4.4 73.°83 7.°7/ 7.4 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 24.00	+ 0 46.3	1.695	2.480	16.7	18.1
12 13	7 17.80	+ 0 42.6	1.646	2.505	13.6	18.0
12 23	7 9.46	+ 1 1.8	1.618	2.531	10.4	17.8
1 2	6 59.87	+ 1 44.7	1.615	2.556	8.1	17.7
1 12	6 50.19	+ 2 48.7	1.640	2.580	8.0	17.8
1 22	6 41.57	+ 4 8.6	1.691	2.605	10.0	18.0
2 1	6 34.92	+ 5 38.0	1.769	2.629	12.8	18.2
2 11	6 30.83	+ 7 10.3	1.869	2.653	15.5	18.4

494824 2007 TA_{137} 1 4.4 121.°26 3.°8/ 5.4 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 21.37	+ 9 36.2	2.835	3.629	10.4	21.5
12 13	7 15.25	+ 9 5.8	2.770	3.647	8.1	21.4
12 23	7 7.78	+ 8 43.6	2.732	3.665	5.6	21.3
1 2	6 59.53	+ 8 30.2	2.723	3.682	3.9	21.2
1 12	6 51.20	+ 8 25.6	2.745	3.698	4.3	21.2
1 22	6 43.49	+ 8 29.1	2.797	3.715	6.3	21.4
2 1	6 36.99	+ 8 39.4	2.878	3.730	8.6	21.5
2 11	6 32.15	+ 8 54.8	2.983	3.745	10.8	21.7

418296 2008 FA_{25} 1 4.4 72.°08 3.°6/ 3.5 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 26.39	+29 43.0	1.707	2.548	14.2	21.4
12 13	7 20.05	+30 36.8	1.648	2.559	10.4	21.2
12 23	7 11.00	+31 27.8	1.613	2.569	6.5	21.0
1 2	7 0.22	+32 9.9	1.605	2.580	3.7	20.8
1 12	6 49.14	+32 38.6	1.626	2.591	5.3	21.0
1 22	6 39.22	+32 52.2	1.675	2.601	9.1	21.2
2 1	6 31.65	+32 52.3	1.748	2.612	12.7	21.4
2 11	6 27.17	+32 42.3	1.843	2.623	15.8	21.7

275780 2001 QQ_{20} 1 4.4 55.°96 7.°2/ 7.2 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 20.59	+ 0 33.7	2.042	2.820	14.5	19.7
12 13	7 15.07	+ 0 13.6	1.994	2.847	11.9	19.6
12 23	7 7.81	+ 0 12.5	1.969	2.874	9.3	19.5
1 2	6 59.57	+ 0 31.6	1.969	2.901	7.5	19.4
1 12	6 51.27	+ 1 9.7	1.996	2.928	7.5	19.5
1 22	6 43.83	+ 2 3.4	2.051	2.955	9.1	19.6
2 1	6 37.97	+ 3 8.4	2.132	2.982	11.3	19.8
2 11	6 34.22	+ 4 19.3	2.236	3.010	13.6	20.0

27786 1992 PN_{1} 1 4.4 58.°62 3.°7/ 4.2 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 30.11	+32 51.1	1.590	2.428	15.2	17.9
12 13	7 22.62	+32 51.7	1.540	2.447	11.3	17.7
12 23	7 12.32	+32 43.5	1.512	2.467	7.1	17.5
1 2	7 0.46	+32 22.4	1.512	2.486	3.9	17.3
1 12	6 48.67	+31 47.2	1.539	2.506	5.3	17.5
1 22	6 38.46	+31 0.2	1.595	2.525	9.1	17.7
2 1	6 30.96	+30 6.0	1.676	2.545	12.9	18.0
2 11	6 26.75	+29 9.2	1.778	2.565	16.0	18.3

463249 2012 FM_{47} 1 4.4 228.°95 6.°6/ 6.4 16

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 21.45	+ 2 41.5	2.141	2.924	13.8	22.2
12 13	7 15.92	+ 2 22.0	2.057	2.917	11.2	22.0
12 23	7 8.47	+ 2 18.9	1.995	2.909	8.7	21.8
1 2	6 59.75	+ 2 34.2	1.960	2.901	6.9	21.7
1 12	6 50.66	+ 3 7.5	1.953	2.893	7.0	21.7
1 22	6 42.17	+ 3 56.7	1.974	2.884	9.0	21.8
2 1	6 35.17	+ 4 58.0	2.022	2.875	11.7	21.9
2 11	6 30.30	+ 6 6.5	2.093	2.866	14.4	22.1

164275 2004 XJ_{19} 1 4.4 352.°16 0.°6/ 4.6 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 22.24	+20 15.8	1.213	2.074	17.4	19.6
12 13	7 17.77	+20 31.6	1.147	2.069	12.8	19.3
12 23	7 10.05	+20 55.4	1.101	2.064	7.5	19.0
1 2	7 0.12	+21 24.1	1.079	2.061	1.7	18.6
1 12	6 49.64	+21 53.4	1.082	2.059	4.5	18.8
1 22	6 40.39	+22 20.0	1.111	2.057	10.2	19.2
2 1	6 33.87	+22 42.3	1.162	2.057	15.3	19.4
2 11	6 30.99	+22 59.9	1.232	2.057	19.6	19.7

376430 2012 HF_9 1 4.4 212.°26 2.°6/ 5.3 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 22.12	+13 31.6	2.218	3.034	12.2	21.2
12 13	7 16.39	+13 42.5	2.134	3.030	9.2	21.0
12 23	7 8.73	+14 2.8	2.075	3.025	5.8	20.8
1 2	6 59.82	+14 31.4	2.045	3.020	2.9	20.6
1 12	6 50.55	+15 6.4	2.045	3.015	3.8	20.6
1 22	6 41.91	+15 45.5	2.075	3.009	7.1	20.8
2 1	6 34.77	+16 26.3	2.132	3.003	10.4	21.0
2 11	6 29.78	+17 6.9	2.213	2.997	13.4	21.2

35999 1999 NB_{22} 1 4.4 160.°40 0.°4/ 4.6 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 23.32	+19 36.9	2.270	3.096	11.7	19.6
12 13	7 17.21	+20 8.6	2.195	3.100	8.5	19.4
12 23	7 9.18	+20 45.3	2.146	3.105	4.9	19.2
1 2	6 59.90	+21 24.4	2.126	3.108	1.1	19.0
1 12	6 50.33	+22 3.1	2.137	3.112	2.9	19.1
1 22	6 41.45	+22 39.0	2.178	3.115	6.7	19.4
2 1	6 34.14	+23 10.8	2.248	3.117	10.0	19.6
2 11	6 29.03	+23 38.0	2.341	3.120	12.9	19.8

234914 2002 TZ_{299} 1 4.4 22.°05 5.°5/ 6.1 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 19.27	+ 7 19.1	1.803	2.618	14.7	20.0
12 13	7 14.52	+ 7 9.2	1.738	2.624	11.5	19.8
12 23	7 7.71	+ 7 15.3	1.696	2.631	8.2	19.6
1 2	6 59.61	+ 7 38.0	1.679	2.639	5.8	19.5
1 12	6 51.28	+ 8 15.7	1.690	2.648	6.1	19.5
1 22	6 43.76	+ 9 5.4	1.728	2.657	8.7	19.7
2 1	6 37.98	+10 2.9	1.792	2.666	11.9	19.9
2 11	6 34.56	+11 3.8	1.878	2.676	14.9	20.1

492593 2014 OW_{194} 1 4.4 168.°84 4.°1/ 5.6 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 23.45	+10 23.2	1.948	2.761	13.8	21.2
12 13	7 17.48	+10 22.9	1.874	2.763	10.6	21.0
12 23	7 9.40	+10 35.2	1.823	2.766	7.2	20.8
1 2	6 59.95	+10 59.9	1.799	2.767	4.4	20.7
1 12	6 50.20	+11 35.3	1.805	2.769	4.9	20.7
1 22	6 41.20	+12 18.6	1.839	2.770	8.1	20.9
2 1	6 33.94	+13 6.7	1.900	2.771	11.5	21.1
2 11	6 29.08	+13 56.4	1.985	2.771	14.6	21.3

204787 2006 NB_1 1 4.4 101.°70 4.°5/ 3.6 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 27.23	+38 21.5	2.654	3.464	10.6	20.0
12 13	7 19.83	+38 45.9	2.598	3.484	8.2	19.9
12 23	7 10.53	+39 1.3	2.569	3.504	5.8	19.7
1 2	7 0.14	+39 4.0	2.569	3.524	4.5	19.7
1 12	6 49.73	+38 52.2	2.599	3.543	5.2	19.8
1 22	6 40.29	+38 26.9	2.658	3.561	7.3	19.9
2 1	6 32.65	+37 50.4	2.745	3.580	9.6	20.1
2 11	6 27.34	+37 6.6	2.856	3.598	11.7	20.3

326700 2003 BM_2 1 4.4 45.°70 3.°5/ 4.4 16

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 31.75	+32 4.6	1.330	2.176	17.1	19.1
12 13	7 23.94	+31 53.1	1.292	2.205	12.6	18.9
12 23	7 13.06	+31 32.4	1.277	2.234	7.6	18.7
1 2	7 0.62	+30 58.7	1.287	2.264	3.7	18.6
1 12	6 48.50	+30 12.0	1.325	2.295	5.4	18.8
1 22	6 38.36	+29 15.7	1.390	2.326	9.7	19.1
2 1	6 31.33	+28 15.2	1.479	2.357	13.8	19.4
2 11	6 27.86	+27 15.3	1.589	2.388	17.1	19.7

426886 2013 WZ_{50} 1 4.4 38.°26 3.°5/ 3.8 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 24.47	+32 55.4	2.208	3.038	11.8	21.1
12 13	7 18.21	+33 15.4	2.137	3.040	8.8	21.0
12 23	7 9.79	+33 29.5	2.091	3.042	5.7	20.8
1 2	7 0.02	+33 34.0	2.073	3.044	3.5	20.6
1 12	6 50.04	+33 26.7	2.085	3.047	4.7	20.7
1 22	6 40.97	+33 7.7	2.126	3.049	7.7	20.9
2 1	6 33.77	+32 39.0	2.193	3.052	10.7	21.1
2 11	6 29.08	+32 3.8	2.284	3.054	13.4	21.3

133940 2004 TM_{48} 1 4.4 235.°93 0.°3/ 4.5 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 26.66	+21 8.0	1.789	2.623	14.0	20.8
12 13	7 20.25	+21 21.5	1.703	2.612	10.3	20.5
12 23	7 11.20	+21 39.4	1.640	2.600	6.0	20.2
1 2	7 0.35	+21 59.0	1.605	2.587	1.3	19.9
1 12	6 48.94	+22 17.4	1.600	2.574	3.7	20.0
1 22	6 38.35	+22 32.6	1.623	2.561	8.4	20.3
2 1	6 29.80	+22 44.2	1.673	2.547	12.6	20.5
2 11	6 24.15	+22 52.6	1.744	2.532	16.2	20.7

83775 2001 TB_{172} 1 4.4 215.°08 1.°0/ 4.7 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 23.79	+18 49.3	2.009	2.839	12.8	20.2
12 13	7 17.81	+19 1.1	1.928	2.835	9.4	20.0
12 23	7 9.63	+19 18.5	1.872	2.830	5.6	19.8
1 2	7 0.01	+19 39.7	1.844	2.825	1.6	19.5
1 12	6 50.03	+20 2.4	1.846	2.820	3.3	19.6
1 22	6 40.78	+20 24.7	1.877	2.815	7.4	19.9
2 1	6 33.29	+20 45.4	1.936	2.810	11.2	20.1
2 11	6 28.25	+21 4.0	2.017	2.804	14.4	20.3

150179 1998 FN_{15} 1 4.4 308.°12 8.°2/ 5.2 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 21.14	+ 4 30.8	1.739	2.542	15.6	19.7
12 13	7 16.16	+ 3 21.5	1.651	2.523	12.8	19.5
12 23	7 8.83	+ 2 26.8	1.585	2.505	10.1	19.2
1 2	6 59.88	+ 1 51.0	1.545	2.486	8.3	19.1
1 12	6 50.41	+ 1 37.1	1.531	2.468	8.7	19.1
1 22	6 41.59	+ 1 44.9	1.542	2.450	11.2	19.2
2 1	6 34.56	+ 2 11.9	1.577	2.433	14.3	19.3
2 11	6 30.11	+ 2 53.3	1.633	2.416	17.4	19.5

116284 2003 YC_{52} 1 4.4 346.°68 1.°2/ 4.0 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 20.98	+22 45.7	1.766	2.611	13.6	19.1
12 13	7 16.16	+23 41.6	1.689	2.605	9.9	18.9
12 23	7 8.87	+24 43.2	1.637	2.599	5.7	18.6
1 2	6 59.89	+25 45.7	1.612	2.594	1.5	18.3
1 12	6 50.42	+26 43.9	1.616	2.590	3.9	18.5
1 22	6 41.74	+27 33.9	1.648	2.586	8.3	18.7
2 1	6 35.00	+28 13.9	1.706	2.582	12.3	19.0
2 11	6 31.02	+28 44.2	1.785	2.580	15.7	19.2

492136 2013 NE_6 1 4.4 191.°94 2.°0/ 5.0 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 23.29	+15 42.2	2.294	3.112	11.8	22.6
12 13	7 17.17	+15 48.9	2.212	3.111	8.8	22.4
12 23	7 9.16	+16 2.6	2.156	3.109	5.4	22.2
1 2	6 59.93	+16 22.1	2.128	3.106	2.3	22.0
1 12	6 50.39	+16 45.9	2.131	3.103	3.4	22.0
1 22	6 41.50	+17 12.1	2.165	3.099	6.8	22.2
2 1	6 34.12	+17 39.1	2.226	3.095	10.1	22.4
2 11	6 28.86	+18 5.7	2.311	3.091	13.0	22.6

401018 2011 SQ_{34} 1 4.4 164.°23 4.°1/ 3.5 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 30.28	+32 9.1	1.902	2.730	13.5	21.8
12 13	7 22.80	+32 56.4	1.833	2.736	10.1	21.6
12 23	7 12.60	+33 38.8	1.790	2.741	6.5	21.3
1 2	7 0.63	+34 10.2	1.775	2.745	4.1	21.2
1 12	6 48.31	+34 26.2	1.789	2.748	5.5	21.3
1 22	6 37.08	+34 26.2	1.832	2.751	8.9	21.5
2 1	6 28.17	+34 12.3	1.901	2.753	12.4	21.7
2 11	6 22.34	+33 48.8	1.992	2.755	15.3	21.9

37624 1993 RT_8 1 4.4 54.°43 1.°5/ 4.7 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 27.01	+18 58.6	1.250	2.100	17.7	18.9
12 13	7 20.70	+18 58.6	1.206	2.122	12.9	18.7
12 23	7 11.40	+19 6.2	1.182	2.144	7.5	18.5
1 2	7 0.36	+19 19.0	1.184	2.166	2.2	18.2
1 12	6 49.29	+19 34.0	1.213	2.188	4.4	18.4
1 22	6 39.79	+19 49.3	1.268	2.211	9.6	18.8
2 1	6 33.08	+20 3.7	1.346	2.234	14.1	19.1
2 11	6 29.79	+20 16.8	1.445	2.257	17.9	19.4

205259 2000 RA_{89} 1 4.5 56.°75 2.°2/ 4.2 17

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 30.85	+27 25.8	1.258	2.109	17.6	19.8
12 13	7 23.48	+27 37.1	1.221	2.138	12.7	19.6
12 23	7 12.94	+27 45.5	1.205	2.166	7.4	19.4
1 2	7 0.66	+27 46.0	1.214	2.195	2.6	19.2
1 12	6 48.56	+27 36.2	1.251	2.224	4.9	19.4
1 22	6 38.34	+27 17.1	1.313	2.252	9.8	19.8
2 1	6 31.21	+26 51.9	1.400	2.281	14.2	20.1
2 11	6 27.72	+26 23.8	1.507	2.310	17.7	20.4

402296 2005 SB_{241} 1 4.5 105.°12 6.°1/ 5.7 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 22.75	+ 6 32.8	1.952	2.753	14.2	21.1
12 13	7 16.87	+ 5 50.8	1.886	2.762	11.3	20.9
12 23	7 9.00	+ 5 22.8	1.844	2.771	8.4	20.7
1 2	6 59.92	+ 5 10.6	1.828	2.779	6.3	20.6
1 12	6 50.64	+ 5 14.6	1.840	2.788	6.7	20.7
1 22	6 42.19	+ 5 33.2	1.881	2.796	9.0	20.8
2 1	6 35.44	+ 6 3.6	1.947	2.805	11.9	21.0
2 11	6 31.00	+ 6 42.1	2.035	2.813	14.6	21.2

183344 2002 VE_{93} 1 4.5 9.°26 1.°0/ 4.7 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 21.28	+19 14.0	1.272	2.131	16.9	19.9
12 13	7 16.85	+19 30.0	1.212	2.132	12.4	19.6
12 23	7 9.42	+19 54.8	1.172	2.135	7.3	19.3
1 2	7 0.05	+20 25.4	1.157	2.139	1.8	19.0
1 12	6 50.29	+20 57.8	1.168	2.144	4.3	19.2
1 22	6 41.75	+21 28.7	1.204	2.151	9.6	19.5
2 1	6 35.77	+21 56.0	1.264	2.158	14.4	19.8
2 11	6 33.16	+22 19.1	1.343	2.166	18.4	20.1

303538 2005 EV_{271} 1 4.5 325.°26 0.°2/ 4.4 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 24.39	+23 20.3	1.414	2.266	15.9	20.1
12 13	7 19.10	+23 19.0	1.337	2.256	11.7	19.8
12 23	7 10.75	+23 19.9	1.283	2.246	6.8	19.5
1 2	7 0.34	+23 19.9	1.254	2.236	1.4	19.1
1 12	6 49.38	+23 16.9	1.252	2.227	4.2	19.3
1 22	6 39.52	+23 9.8	1.276	2.219	9.6	19.6
2 1	6 32.18	+22 59.5	1.324	2.211	14.4	19.8
2 11	6 28.24	+22 47.5	1.393	2.204	18.4	20.1

82693 2001 PX_{34} 1 4.5 339.°60 1.°0/ 4.6 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 23.00	+21 24.9	2.136	2.968	12.1	19.0
12 13	7 17.06	+20 55.9	2.057	2.965	8.8	18.8
12 23	7 9.12	+20 27.8	2.004	2.963	5.2	18.6
1 2	6 59.96	+20 0.5	1.979	2.960	1.4	18.3
1 12	6 50.59	+19 33.7	1.984	2.958	3.2	18.5
1 22	6 42.01	+19 8.0	2.019	2.956	7.0	18.7
2 1	6 35.11	+18 44.1	2.081	2.955	10.5	18.9
2 11	6 30.51	+18 22.7	2.166	2.953	13.5	19.1

364321 2006 UT_{86} 1 4.5 111.°11 4.°3/ 5.2 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 24.08	+12 10.8	1.826	2.646	14.3	21.3
12 13	7 17.99	+11 35.6	1.758	2.652	10.9	21.1
12 23	7 9.72	+11 10.4	1.713	2.658	7.3	20.9
1 2	7 0.09	+10 56.1	1.696	2.665	4.6	20.8
1 12	6 50.24	+10 52.8	1.707	2.671	5.3	20.8
1 22	6 41.30	+10 59.6	1.747	2.676	8.6	21.0
2 1	6 34.24	+11 14.5	1.812	2.682	12.0	21.3
2 11	6 29.70	+11 35.1	1.900	2.688	15.1	21.5

180264 2003 WK_{24} 1 4.5 127.°54 1.°7/ 4.7 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 30.41	+18 42.2	1.549	2.381	15.8	20.5
12 13	7 22.87	+18 33.5	1.489	2.396	11.6	20.3
12 23	7 12.60	+18 30.6	1.453	2.410	6.9	20.0
1 2	7 0.67	+18 32.0	1.444	2.424	2.2	19.8
1 12	6 48.58	+18 35.8	1.464	2.437	4.2	19.9
1 22	6 37.79	+18 40.8	1.512	2.450	8.9	20.2
2 1	6 29.48	+18 46.6	1.586	2.461	13.1	20.5
2 11	6 24.33	+18 53.0	1.681	2.472	16.6	20.8

455371 2002 TC_{225} 1 4.5 67.°23 0.°0/ 4.3 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 28.83	+21 56.9	1.567	2.405	15.4	21.3
12 13	7 21.49	+22 9.8	1.527	2.439	11.1	21.1
12 23	7 11.65	+22 25.6	1.511	2.472	6.3	20.9
1 2	7 0.45	+22 41.2	1.522	2.505	1.2	20.7
1 12	6 49.35	+22 53.7	1.562	2.537	3.7	20.9
1 22	6 39.68	+23 2.2	1.631	2.570	8.3	21.3
2 1	6 32.46	+23 6.8	1.725	2.602	12.2	21.6
2 11	6 28.24	+23 8.6	1.841	2.633	15.4	21.9

340789 2006 SE_{403} 1 4.5 313.°04 5.°9/ 2.4 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 24.86	+40 5.4	2.424	3.240	11.3	20.5
12 13	7 18.71	+41 5.0	2.352	3.236	9.0	20.3
12 23	7 10.23	+41 56.0	2.305	3.232	6.9	20.2
1 2	7 0.22	+42 32.6	2.286	3.229	5.9	20.1
1 12	6 49.82	+42 51.1	2.295	3.225	6.8	20.2
1 22	6 40.21	+42 50.8	2.333	3.222	8.8	20.3
2 1	6 32.48	+42 33.7	2.395	3.218	11.2	20.4
2 11	6 27.35	+42 3.8	2.480	3.215	13.4	20.6

128459 2004 NS_{29} 1 4.5 112.°52 3.°1/ 5.2 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 22.74	+13 45.2	1.983	2.804	13.3	20.5
12 13	7 16.93	+13 35.8	1.913	2.811	10.0	20.3
12 23	7 9.08	+13 35.4	1.867	2.817	6.4	20.1
1 2	6 59.98	+13 43.7	1.849	2.823	3.4	19.9
1 12	6 50.63	+13 59.5	1.861	2.829	4.2	20.0
1 22	6 42.10	+14 21.0	1.901	2.835	7.6	20.2
2 1	6 35.28	+14 46.3	1.968	2.841	11.1	20.4
2 11	6 30.81	+15 13.6	2.057	2.846	14.1	20.6

456954 2008 AT_{59} 1 4.5 272.°96 1.°9/ 4.9 16

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 23.56	+16 8.2	1.813	2.644	13.9	22.0
12 13	7 18.02	+16 28.9	1.721	2.627	10.4	21.7
12 23	7 9.99	+16 59.6	1.653	2.610	6.4	21.5
1 2	7 0.21	+17 38.5	1.613	2.592	2.4	21.2
1 12	6 49.81	+18 22.5	1.601	2.575	3.9	21.2
1 22	6 40.06	+19 8.3	1.618	2.557	8.3	21.5
2 1	6 32.14	+19 53.3	1.661	2.539	12.5	21.7
2 11	6 26.93	+20 35.4	1.727	2.521	16.1	21.9

385957 2006 VK_{60} 1 4.5 40.°63 3.°5/ 5.3 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 19.44	+11 50.9	2.388	3.202	11.6	21.2
12 13	7 14.25	+11 26.8	2.315	3.206	8.8	21.1
12 23	7 7.45	+11 11.0	2.267	3.210	5.9	20.9
1 2	6 59.64	+11 4.0	2.248	3.215	3.7	20.7
1 12	6 51.66	+11 5.5	2.257	3.220	4.3	20.8
1 22	6 44.32	+11 14.6	2.296	3.225	6.9	21.0
2 1	6 38.33	+11 29.9	2.363	3.230	9.7	21.1
2 11	6 34.23	+11 49.5	2.452	3.235	12.3	21.3

44858 1999 UZ_{13} 1 4.5 79.°86 0.°1/ 4.5 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 29.17	+20 48.4	1.296	2.143	17.4	19.3
12 13	7 22.38	+21 15.7	1.246	2.162	12.7	19.1
12 23	7 12.47	+21 49.3	1.219	2.181	7.2	18.9
1 2	7 0.67	+22 24.3	1.218	2.200	1.5	18.5
1 12	6 48.71	+22 56.4	1.243	2.219	4.3	18.8
1 22	6 38.29	+23 22.6	1.296	2.237	9.6	19.1
2 1	6 30.72	+23 42.5	1.372	2.256	14.2	19.5
2 11	6 26.71	+23 56.8	1.469	2.274	18.0	19.8

414496 2009 RE_{15} 1 4.5 53.°60 2.°6/ 5.1 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 22.46	+15 25.5	1.819	2.650	13.9	20.8
12 13	7 16.89	+15 21.3	1.751	2.656	10.4	20.6
12 23	7 9.13	+15 25.8	1.708	2.662	6.4	20.4
1 2	7 0.00	+15 38.0	1.691	2.669	2.9	20.2
1 12	6 50.62	+15 56.3	1.704	2.675	4.1	20.3
1 22	6 42.13	+16 18.7	1.744	2.682	7.9	20.5
2 1	6 35.50	+16 43.5	1.811	2.689	11.6	20.7
2 11	6 31.39	+17 8.8	1.899	2.696	14.8	21.0

154042 2002 CK_{90} 1 4.5 236.°40 2.°0/ 3.9 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 24.56	+27 24.7	2.017	2.852	12.5	20.2
12 13	7 18.50	+27 52.0	1.939	2.849	9.2	20.0
12 23	7 10.12	+28 18.2	1.887	2.846	5.5	19.8
1 2	7 0.22	+28 39.6	1.863	2.843	2.2	19.6
1 12	6 49.96	+28 53.2	1.869	2.839	4.0	19.7
1 22	6 40.54	+28 57.6	1.904	2.836	7.8	19.9
2 1	6 33.01	+28 53.8	1.965	2.832	11.3	20.1
2 11	6 28.11	+28 43.6	2.048	2.829	14.4	20.3

27622 2001 KS_{71} 1 4.5 132.°86 0.°1/ 4.4 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 25.64	+21 23.0	1.914	2.747	13.2	19.8
12 13	7 19.19	+21 51.1	1.847	2.756	9.6	19.6
12 23	7 10.46	+22 23.2	1.804	2.764	5.5	19.3
1 2	7 0.28	+22 56.2	1.790	2.773	1.1	19.0
1 12	6 49.82	+23 26.7	1.806	2.781	3.4	19.2
1 22	6 40.27	+23 52.7	1.851	2.788	7.6	19.5
2 1	6 32.67	+24 13.3	1.923	2.795	11.3	19.8
2 11	6 27.68	+24 29.0	2.018	2.802	14.5	20.0

180867 2005 JO_{41} 1 4.5 39.°14 4.°6/ 3.3 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 26.44	+30 11.5	1.364	2.217	16.3	19.6
12 13	7 20.66	+31 22.0	1.314	2.230	12.1	19.4
12 23	7 11.63	+32 29.4	1.286	2.243	7.7	19.1
1 2	7 0.53	+33 25.2	1.284	2.257	4.7	19.0
1 12	6 49.11	+34 3.0	1.308	2.271	6.5	19.2
1 22	6 39.14	+34 20.9	1.358	2.286	10.6	19.4
2 1	6 32.05	+34 21.3	1.432	2.302	14.6	19.7
2 11	6 28.60	+34 8.7	1.525	2.318	18.0	20.0

118783 2000 RJ_{81} 1 4.5 1.°01 7.°0/ 4.1 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 29.87	+40 7.6	1.543	2.375	15.9	19.0
12 13	7 23.12	+40 25.3	1.478	2.374	12.5	18.8
12 23	7 13.00	+40 27.7	1.434	2.373	9.2	18.6
1 2	7 0.79	+40 7.8	1.416	2.373	7.1	18.5
1 12	6 48.38	+39 22.7	1.425	2.373	8.0	18.5
1 22	6 37.61	+38 15.3	1.459	2.375	11.1	18.7
2 1	6 29.88	+36 52.2	1.518	2.377	14.6	18.9
2 11	6 25.90	+35 21.8	1.597	2.380	17.7	19.1

424246 2007 RD_{255} 1 4.5 238.°41 4.°5/ 5.7 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 20.21	+ 8 47.1	2.287	3.091	12.3	21.5
12 13	7 14.94	+ 8 28.8	2.206	3.088	9.6	21.3
12 23	7 7.91	+ 8 21.6	2.150	3.085	6.8	21.1
1 2	6 59.77	+ 8 26.2	2.122	3.082	4.7	21.0
1 12	6 51.35	+ 8 42.4	2.123	3.079	5.1	21.0
1 22	6 43.54	+ 9 8.4	2.152	3.076	7.5	21.1
2 1	6 37.12	+ 9 42.0	2.209	3.073	10.4	21.3
2 11	6 32.69	+10 20.4	2.289	3.070	13.1	21.5

429268 2010 CL_{40} 1 4.5 241.°16 5.°6/ 6.5 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 19.61	+ 4 16.1	2.310	3.098	12.7	21.1
12 13	7 14.48	+ 4 10.0	2.230	3.097	10.2	21.0
12 23	7 7.65	+ 4 18.7	2.174	3.095	7.6	20.8
1 2	6 59.72	+ 4 43.3	2.146	3.094	5.8	20.7
1 12	6 51.51	+ 5 22.6	2.145	3.092	5.9	20.7
1 22	6 43.88	+ 6 14.3	2.174	3.090	7.9	20.8
2 1	6 37.60	+ 7 14.9	2.229	3.088	10.5	21.0
2 11	6 33.26	+ 8 20.3	2.309	3.087	13.1	21.1

116460 2004 AD_{7} 1 4.5 19.°18 4.°4/ 5.8 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 19.67	+ 9 20.7	2.009	2.823	13.4	19.4
12 13	7 14.71	+ 9 14.2	1.937	2.826	10.4	19.3
12 23	7 7.84	+ 9 20.6	1.889	2.829	7.2	19.1
1 2	6 59.76	+ 9 40.0	1.868	2.833	4.7	18.9
1 12	6 51.42	+10 11.3	1.875	2.837	5.1	19.0
1 22	6 43.79	+10 51.8	1.910	2.841	7.9	19.1
2 1	6 37.74	+11 38.5	1.972	2.845	11.1	19.3
2 11	6 33.89	+12 28.0	2.057	2.850	13.9	19.5

212817 2007 UH_{1} 1 4.5 357.°09 0.°4/ 4.6 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 20.28	+20 42.3	1.840	2.682	13.2	20.2
12 13	7 15.45	+20 54.4	1.766	2.679	9.7	20.0
12 23	7 8.39	+21 11.1	1.716	2.677	5.6	19.8
1 2	6 59.89	+21 30.4	1.694	2.676	1.2	19.5
1 12	6 51.06	+21 49.7	1.700	2.675	3.4	19.6
1 22	6 43.05	+22 7.3	1.734	2.675	7.6	19.9
2 1	6 36.87	+22 22.1	1.794	2.676	11.5	20.1
2 11	6 33.22	+22 34.1	1.876	2.677	14.8	20.3

130344 2000 FL_{57} 1 4.5 341.°77 0.°0/ 4.3 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 21.69	+20 7.3	2.009	2.844	12.6	19.5
12 13	7 16.38	+20 50.7	1.931	2.841	9.2	19.3
12 23	7 8.91	+21 40.5	1.879	2.839	5.3	19.1
1 2	7 0.00	+22 33.3	1.855	2.837	1.1	18.8
1 12	6 50.69	+23 25.1	1.860	2.835	3.2	18.9
1 22	6 42.09	+24 12.7	1.895	2.833	7.3	19.2
2 1	6 35.18	+24 54.2	1.957	2.832	11.0	19.4
2 11	6 30.69	+25 29.1	2.041	2.831	14.2	19.6

177411 2004 BE_{162} 1 4.5 200.°21 0.°2/ 4.4 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 25.24	+22 12.7	2.141	2.970	12.2	21.0
12 13	7 18.83	+22 34.9	2.060	2.967	8.9	20.8
12 23	7 10.26	+23 0.1	2.003	2.963	5.1	20.6
1 2	7 0.27	+23 25.4	1.976	2.959	1.0	20.3
1 12	6 49.91	+23 48.2	1.980	2.954	3.2	20.5
1 22	6 40.27	+24 6.8	2.013	2.948	7.2	20.7
2 1	6 32.35	+24 20.6	2.073	2.942	10.8	20.9
2 11	6 26.86	+24 30.2	2.157	2.936	13.8	21.1

23723 1998 HG_{40} 1 4.5 245.°15 2.°3/ 3.9 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 28.76	+26 14.4	1.487	2.332	15.7	19.7
12 13	7 22.40	+26 53.6	1.408	2.322	11.6	19.4
12 23	7 12.76	+27 34.5	1.352	2.312	6.9	19.1
1 2	7 0.82	+28 11.0	1.322	2.302	2.6	18.8
1 12	6 48.18	+28 37.6	1.320	2.292	5.0	18.9
1 22	6 36.60	+28 51.8	1.345	2.281	10.0	19.2
2 1	6 27.64	+28 54.3	1.395	2.269	14.6	19.4
2 11	6 22.28	+28 48.2	1.465	2.258	18.6	19.7

369413 2009 WX_{91} 1 4.5 148.°14 0.°0/ 4.4 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 24.70	+22 44.1	2.577	3.398	10.6	21.9
12 13	7 17.96	+22 42.3	2.506	3.409	7.7	21.7
12 23	7 9.54	+22 41.4	2.461	3.419	4.4	21.5
1 2	7 0.09	+22 39.7	2.446	3.428	0.9	21.3
1 12	6 50.52	+22 36.1	2.463	3.437	2.7	21.4
1 22	6 41.67	+22 30.4	2.511	3.445	6.0	21.7
2 1	6 34.30	+22 22.8	2.588	3.453	9.0	21.9
2 11	6 28.95	+22 14.0	2.689	3.460	11.6	22.1

48530 1993 PF 1 4.5 37.°23 0.°3/ 4.5 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 28.13	+24 24.1	1.602	2.442	15.0	18.3
12 13	7 21.26	+23 43.3	1.534	2.446	11.0	18.1
12 23	7 11.71	+23 0.3	1.489	2.450	6.3	17.8
1 2	7 0.55	+22 14.5	1.472	2.454	1.3	17.5
1 12	6 49.22	+21 26.5	1.483	2.458	3.8	17.7
1 22	6 39.14	+20 38.4	1.523	2.463	8.6	18.0
2 1	6 31.48	+19 52.8	1.589	2.468	12.9	18.2
2 11	6 26.90	+19 11.6	1.676	2.472	16.5	18.5

235495 2004 BE_{92} 1 4.5 68.°65 8.°1/ 8.9 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 21.00	− 5 24.0	2.222	2.963	14.6	19.5
12 13	7 15.43	− 5 14.4	2.158	2.978	12.3	19.4
12 23	7 8.15	− 4 42.2	2.115	2.993	10.1	19.3
1 2	6 59.83	− 3 46.0	2.098	3.008	8.5	19.2
1 12	6 51.35	− 2 27.7	2.109	3.023	8.2	19.2
1 22	6 43.57	− 0 51.8	2.148	3.038	9.4	19.3
2 1	6 37.26	+ 0 55.9	2.214	3.053	11.4	19.5
2 11	6 32.96	+ 2 48.8	2.304	3.069	13.5	19.6

454881 2015 TJ_{72} 1 4.5 31.°13 0.°1/ 4.5 16

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 24.91	+22 27.0	1.175	2.036	17.9	20.8
12 13	7 19.58	+22 35.9	1.125	2.047	13.0	20.6
12 23	7 11.00	+22 49.2	1.096	2.060	7.5	20.3
1 2	7 0.42	+23 2.9	1.090	2.073	1.5	20.0
1 12	6 49.64	+23 13.8	1.111	2.087	4.5	20.2
1 22	6 40.42	+23 20.2	1.156	2.101	10.0	20.6
2 1	6 34.10	+23 22.4	1.224	2.117	14.9	20.9
2 11	6 31.42	+23 21.2	1.312	2.133	18.8	21.2

64391 2001 UF_{150} 1 4.5 317.°09 0.°3/ 4.4 18 R

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 25.57	+22 26.1	1.389	2.239	16.3	19.4
12 13	7 20.01	+22 42.9	1.316	2.233	11.9	19.2
12 23	7 11.33	+23 4.3	1.265	2.228	6.9	18.9
1 2	7 0.53	+23 26.5	1.240	2.223	1.4	18.5
1 12	6 49.18	+23 45.5	1.242	2.218	4.3	18.7
1 22	6 38.96	+23 59.2	1.271	2.213	9.7	19.0
2 1	6 31.32	+24 7.4	1.323	2.209	14.5	19.2
2 11	6 27.17	+24 11.0	1.395	2.205	18.5	19.5

406845 2009 AC_{47} 1 4.5 285.°34 0.°4/ 4.4 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 25.63	+23 14.8	1.572	2.416	15.0	21.2
12 13	7 19.87	+23 24.0	1.488	2.403	11.1	21.0
12 23	7 11.20	+23 35.9	1.428	2.389	6.4	20.7
1 2	7 0.51	+23 47.3	1.393	2.376	1.3	20.3
1 12	6 49.22	+23 55.0	1.387	2.362	4.0	20.4
1 22	6 38.86	+23 57.8	1.409	2.349	9.1	20.7
2 1	6 30.82	+23 55.7	1.455	2.336	13.7	20.9
2 11	6 26.00	+23 50.4	1.522	2.323	17.6	21.2

465539 2008 UM_{306} 1 4.5 188.°02 4.°5/ 3.1 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 25.52	+35 19.9	2.351	3.174	11.4	22.0
12 13	7 19.08	+36 7.5	2.278	3.174	8.7	21.8
12 23	7 10.42	+36 49.1	2.231	3.174	6.0	21.6
1 2	7 0.31	+37 19.5	2.212	3.173	4.5	21.5
1 12	6 49.87	+37 35.4	2.222	3.172	5.5	21.6
1 22	6 40.23	+37 35.9	2.262	3.171	8.1	21.7
2 1	6 32.42	+37 22.8	2.328	3.170	10.8	21.9
2 11	6 27.12	+36 59.4	2.416	3.168	13.3	22.1

4487 Pocahontas 1 4.5 58.°12 22.°0/14.5 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 34.80	−13 52.4	0.681	1.473	34.1	18.7
12 13	7 26.67	−16 1.9	0.679	1.512	30.0	18.7
12 23	7 14.75	−17 3.3	0.688	1.553	26.2	18.6
1 2	7 1.07	−16 48.9	0.709	1.593	23.4	18.7
1 12	6 48.18	−15 23.6	0.746	1.634	22.1	18.8
1 22	6 38.12	−13 4.4	0.798	1.674	22.4	19.0
2 1	6 32.11	−10 13.0	0.867	1.713	23.9	19.3
2 11	6 30.52	− 7 10.6	0.951	1.752	25.8	19.6

284994 2010 KD_{60} 1 4.5 170.°27 1.°7/ 5.2 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 28.23	+13 53.8	1.934	2.747	13.9	21.0
12 13	7 21.16	+14 56.3	1.856	2.752	10.3	20.8
12 23	7 11.69	+16 11.9	1.803	2.756	6.3	20.6
1 2	7 0.59	+17 36.6	1.779	2.759	2.2	20.3
1 12	6 49.01	+19 4.9	1.788	2.761	3.6	20.4
1 22	6 38.19	+20 31.3	1.827	2.763	7.8	20.7
2 1	6 29.22	+21 51.6	1.895	2.763	11.7	20.9
2 11	6 22.90	+23 3.8	1.987	2.763	14.9	21.1

274139 2008 FE_{15} 1 4.5 332.°48 4.°6/ 5.6 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 20.68	+11 2.3	1.484	2.319	16.3	19.8
12 13	7 16.20	+11 1.2	1.405	2.308	12.5	19.5
12 23	7 9.07	+11 16.1	1.348	2.298	8.4	19.2
1 2	7 0.09	+11 47.3	1.316	2.288	5.0	19.0
1 12	6 50.56	+12 32.6	1.310	2.279	5.7	19.0
1 22	6 41.86	+13 28.1	1.331	2.270	9.7	19.2
2 1	6 35.27	+14 29.2	1.376	2.262	14.0	19.5
2 11	6 31.66	+15 31.4	1.441	2.255	17.8	19.7

86032 1999 NK_5 1 4.5 89.°16 5.°8/ 6.4 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 22.56	+ 4 59.9	2.065	2.857	13.9	19.4
12 13	7 16.60	+ 4 43.9	2.008	2.877	11.0	19.3
12 23	7 8.83	+ 4 43.4	1.974	2.898	8.1	19.2
1 2	6 59.98	+ 4 59.1	1.968	2.918	6.1	19.1
1 12	6 51.03	+ 5 29.9	1.990	2.938	6.2	19.1
1 22	6 42.90	+ 6 13.1	2.041	2.958	8.4	19.3
2 1	6 36.40	+ 7 5.0	2.118	2.977	11.0	19.5
2 11	6 32.06	+ 8 1.5	2.219	2.996	13.5	19.7

502515 2015 BR_{426} 1 4.5 193.°21 3.°0/ 3.8 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 24.20	+32 23.9	2.444	3.270	10.9	21.3
12 13	7 17.91	+32 40.5	2.368	3.270	8.1	21.1
12 23	7 9.65	+32 52.0	2.318	3.269	5.2	20.9
1 2	7 0.16	+32 55.1	2.297	3.269	3.1	20.8
1 12	6 50.45	+32 47.8	2.306	3.268	4.2	20.9
1 22	6 41.54	+32 30.2	2.344	3.267	7.1	21.0
2 1	6 34.29	+32 3.9	2.410	3.267	9.9	21.2
2 11	6 29.33	+31 31.6	2.499	3.266	12.5	21.4

446053 2013 CT_{120} 1 4.5 10.°24 0.°7/ 4.6 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 22.98	+20 8.5	1.171	2.032	17.9	20.4
12 13	7 18.35	+20 21.6	1.111	2.034	13.1	20.1
12 23	7 10.43	+20 42.9	1.072	2.036	7.6	19.8
1 2	7 0.37	+21 8.9	1.057	2.039	1.8	19.5
1 12	6 49.87	+21 35.6	1.067	2.044	4.5	19.7
1 22	6 40.74	+21 59.8	1.102	2.049	10.2	20.0
2 1	6 34.42	+22 20.1	1.160	2.056	15.3	20.3
2 11	6 31.77	+22 36.1	1.237	2.063	19.4	20.6

206772 2004 CM_{63} 1 4.5 320.°68 0.°0/ 4.5 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 21.06	+20 18.9	2.132	2.966	12.0	20.3
12 13	7 15.85	+20 55.4	2.051	2.960	8.8	20.1
12 23	7 8.59	+21 37.5	1.995	2.955	5.1	19.9
1 2	6 59.98	+22 22.4	1.968	2.950	1.0	19.6
1 12	6 50.97	+23 6.5	1.970	2.945	3.1	19.7
1 22	6 42.61	+23 47.3	2.002	2.940	7.0	20.0
2 1	6 35.84	+24 23.0	2.061	2.936	10.6	20.2
2 11	6 31.35	+24 53.2	2.144	2.932	13.6	20.4

456520 2006 YP_{32} 1 4.5 104.°62 2.°6/ 4.2 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 28.93	+30 31.3	1.972	2.802	13.0	20.8
12 13	7 21.48	+30 36.5	1.912	2.817	9.6	20.6
12 23	7 11.70	+30 36.3	1.877	2.832	5.8	20.4
1 2	7 0.56	+30 27.3	1.870	2.847	2.8	20.2
1 12	6 49.37	+30 8.0	1.894	2.862	4.2	20.3
1 22	6 39.35	+29 39.2	1.946	2.876	7.8	20.6
2 1	6 31.50	+29 3.6	2.026	2.890	11.2	20.8
2 11	6 26.42	+28 24.6	2.128	2.904	14.1	21.1

15085 1999 CB_{43} 1 4.5 178.°59 0.°2/ 4.4 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 21.65	+22 26.9	2.686	3.511	10.1	18.4
12 13	7 15.84	+22 42.3	2.607	3.512	7.3	18.2
12 23	7 8.39	+22 59.5	2.554	3.513	4.2	18.0
1 2	6 59.92	+23 16.6	2.531	3.513	0.8	17.8
1 12	6 51.22	+23 31.9	2.539	3.513	2.6	17.9
1 22	6 43.10	+23 44.2	2.578	3.513	5.8	18.1
2 1	6 36.30	+23 53.3	2.645	3.512	8.8	18.3
2 11	6 31.37	+23 59.3	2.737	3.512	11.3	18.5

133500 2003 SN_{282} 1 4.5 130.°73 0.°4/ 4.6 18

12 3	7 27.04	+20 29.3	1.929	2.757	13.3	21.2
12 13	7 20.13	+20 45.9	1.865	2.771	9.7	21.0
12 23	7 10.98	+21 6.8	1.826	2.785	5.6	20.8
1 2	7 0.44	+21 29.0	1.815	2.797	1.2	20.5
1 12	6 49.71	+21 50.2	1.835	2.810	3.3	20.7
1 22	6 39.94	+22 8.5	1.884	2.821	7.5	21.0
2 1	6 32.14	+22 23.4	1.960	2.832	11.2	21.2
2 11	6 26.94	+22 35.1	2.060	2.842	14.3	21.4

368572 2004 LN_8 1 4.5 192.°59 6.°4/ 5.8 18

12 3	7 22.61	+ 3 3.0	2.403	3.178	12.7	21.6
12 13	7 16.59	+ 2 18.2	2.323	3.177	10.3	21.4
12 23	7 8.85	+ 1 46.7	2.266	3.174	8.1	21.3
1 2	7 0.02	+ 1 30.7	2.237	3.171	6.6	21.2
1 12	6 50.92	+ 1 31.1	2.237	3.168	6.8	21.2
1 22	6 42.41	+ 1 46.8	2.265	3.164	8.6	21.3
2 1	6 35.26	+ 2 15.7	2.320	3.159	10.9	21.4
2 11	6 30.05	+ 2 54.1	2.398	3.154	13.2	21.6

84163 2002 RL_{93} 1 4.5 61.°61 1.°7/ 4.3 18

12 3	7 28.93	+27 17.6	1.506	2.350	15.6	19.1
12 13	7 21.87	+27 14.9	1.457	2.370	11.3	18.9
12 23	7 12.04	+27 9.3	1.430	2.391	6.6	18.7
1 2	7 0.64	+26 57.4	1.430	2.411	2.1	18.4
1 12	6 49.26	+26 37.7	1.459	2.432	4.3	18.6
1 22	6 39.37	+26 11.3	1.515	2.453	8.8	18.9
2 1	6 32.10	+25 40.7	1.596	2.474	12.9	19.2
2 11	6 28.06	+25 8.7	1.698	2.495	16.3	19.5

323764 2005 PB_7 1 4.5 67.°55 4.°9/ 4.2 18

12 3	7 32.00	+35 53.9	1.685	2.514	14.9	20.6
12 13	7 24.00	+36 4.9	1.636	2.537	11.2	20.4
12 23	7 13.20	+36 4.6	1.612	2.559	7.5	20.2
1 2	7 0.87	+35 48.2	1.614	2.582	5.0	20.1
1 12	6 48.65	+35 14.3	1.645	2.604	6.1	20.2
1 22	6 38.07	+34 25.2	1.704	2.626	9.3	20.5
2 1	6 30.22	+33 26.2	1.789	2.649	12.7	20.7
2 11	6 25.66	+32 22.8	1.895	2.671	15.6	21.0

373922 2003 UH_{201} 1 4.5 64.°41 7.°1/ 2.7 18

12 3	7 28.60	+41 3.2	1.985	2.803	13.4	20.6
12 13	7 21.74	+42 11.5	1.932	2.816	10.7	20.5
12 23	7 12.10	+43 7.9	1.904	2.829	8.3	20.3
1 2	7 0.69	+43 45.2	1.902	2.842	7.1	20.3
1 12	6 49.01	+43 59.2	1.928	2.856	8.0	20.4
1 22	6 38.56	+43 50.2	1.981	2.869	10.2	20.5
2 1	6 30.56	+43 21.8	2.058	2.883	12.7	20.7
2 11	6 25.74	+42 39.8	2.156	2.896	15.0	20.9

411848 2012 DW_{72} 1 4.5 350.°69 0.°7/ 4.7 18

12 3	7 22.68	+19 45.5	1.505	2.352	15.4	21.0
12 13	7 17.65	+20 3.7	1.433	2.349	11.3	20.7
12 23	7 9.88	+20 29.3	1.384	2.346	6.6	20.5
1 2	7 0.28	+20 59.1	1.361	2.343	1.6	20.1
1 12	6 50.22	+21 29.8	1.365	2.341	3.9	20.3
1 22	6 41.15	+21 58.4	1.397	2.340	8.9	20.6
2 1	6 34.35	+22 23.4	1.453	2.339	13.4	20.8
2 11	6 30.63	+22 44.3	1.529	2.339	17.2	21.1

291100 2005 YX_{148} 1 4.5 35.°24 2.°0/ 3.9 18

12 3	7 24.05	+26 23.3	1.759	2.602	13.7	20.5
12 13	7 18.34	+26 59.0	1.693	2.607	10.0	20.3
12 23	7 10.13	+27 34.8	1.652	2.612	5.9	20.0
1 2	7 0.31	+28 6.5	1.638	2.618	2.2	19.8
1 12	6 50.18	+28 30.0	1.653	2.624	4.2	20.0
1 22	6 41.05	+28 43.9	1.695	2.630	8.3	20.2
2 1	6 34.04	+28 48.5	1.763	2.637	12.1	20.5
2 11	6 29.88	+28 45.8	1.853	2.644	15.3	20.7

492942 2014 SE_{14} 1 4.5 133.°84 0.°7/ 4.3 18

12 3	7 26.10	+23 24.3	1.887	2.722	13.3	22.0
12 13	7 19.61	+23 46.1	1.820	2.729	9.7	21.8
12 23	7 10.76	+24 9.9	1.776	2.737	5.6	21.6
1 2	7 0.44	+24 32.5	1.762	2.744	1.2	21.3
1 12	6 49.84	+24 50.9	1.776	2.751	3.5	21.5
1 22	6 40.20	+25 3.6	1.820	2.757	7.7	21.8
2 1	6 32.57	+25 10.6	1.891	2.763	11.5	22.0
2 11	6 27.63	+25 13.2	1.984	2.769	14.7	22.2

191268 2003 CM_{24} 1 4.5 58.°13 1.°8/ 4.9 17

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 26.25	+17 9.5	1.266	2.114	17.7	20.4
12 13	7 20.36	+17 29.1	1.214	2.128	13.0	20.1
12 23	7 11.42	+17 59.9	1.183	2.143	7.7	19.9
1 2	7 0.58	+18 38.4	1.177	2.158	2.5	19.6
1 12	6 49.50	+19 20.1	1.198	2.173	4.5	19.8
1 22	6 39.83	+20 1.0	1.245	2.189	9.7	20.1
2 1	6 32.87	+20 38.7	1.316	2.204	14.4	20.4
2 11	6 29.37	+21 11.8	1.407	2.220	18.2	20.7

122130 2000 JE_{28} 1 4.5 181.°49 0.°1/ 4.5 18

12 3	7 28.41	+22 27.8	2.002	2.828	13.0	21.2
12 13	7 21.22	+22 37.7	1.925	2.830	9.5	21.0
12 23	7 11.68	+22 49.7	1.872	2.831	5.5	20.8
1 2	7 0.65	+23 1.2	1.849	2.831	1.1	20.5
1 12	6 49.28	+23 9.7	1.856	2.830	3.3	20.6
1 22	6 38.79	+23 14.4	1.893	2.828	7.6	20.9
2 1	6 30.24	+23 15.3	1.957	2.826	11.3	21.1
2 11	6 24.34	+23 13.5	2.045	2.822	14.5	21.3

74558 1999 LT_{13} 1 4.5 116.°59 1.°4/ 4.9 18

12 3	7 30.34	+16 47.1	1.611	2.438	15.6	19.6
12 13	7 22.79	+17 20.8	1.556	2.460	11.5	19.4
12 23	7 12.61	+18 3.8	1.524	2.481	6.7	19.2
1 2	7 0.82	+18 52.4	1.520	2.501	2.1	18.9
1 12	6 48.85	+19 42.1	1.546	2.521	3.9	19.1
1 22	6 38.10	+20 29.3	1.601	2.539	8.5	19.4
2 1	6 29.71	+21 11.7	1.683	2.557	12.6	19.7
2 11	6 24.38	+21 48.9	1.786	2.574	16.0	20.0

368839 2006 DP_{111} 1 4.5 30.°83 5.°4/ 3.6 18

12 3	7 27.96	+37 22.1	1.938	2.764	13.3	20.9
12 13	7 21.20	+37 52.5	1.870	2.766	10.3	20.7
12 23	7 11.76	+38 13.0	1.827	2.768	7.3	20.6
1 2	7 0.66	+38 18.0	1.810	2.770	5.5	20.4
1 12	6 49.30	+38 4.5	1.822	2.772	6.5	20.5
1 22	6 39.11	+37 33.2	1.861	2.774	9.3	20.7
2 1	6 31.27	+36 47.7	1.926	2.776	12.4	20.9
2 11	6 26.47	+35 53.4	2.013	2.779	15.1	21.1

489161 2006 EY_{46} 1 4.5 332.°25 6.°5/ 3.5 18

12 3	7 27.47	+34 44.4	1.256	2.110	17.4	21.1
12 13	7 22.13	+35 33.4	1.187	2.100	13.4	20.9
12 23	7 12.90	+36 14.4	1.139	2.091	9.2	20.6
1 2	7 0.96	+36 37.8	1.114	2.082	6.5	20.4
1 12	6 48.33	+36 37.1	1.114	2.074	8.2	20.5
1 22	6 37.19	+36 11.8	1.139	2.066	12.3	20.7
2 1	6 29.34	+35 27.0	1.186	2.060	16.7	20.9
2 11	6 25.77	+34 30.0	1.250	2.054	20.6	21.2

489146 2006 DJ_{165} 1 4.5 283.°90 3.°3/ 5.2 17

12 3	7 24.16	+13 57.0	1.538	2.372	15.8	22.0
12 13	7 18.85	+13 59.7	1.449	2.354	12.1	21.7
12 23	7 10.71	+14 15.2	1.382	2.336	7.7	21.4
1 2	7 0.52	+14 42.8	1.341	2.317	3.8	21.1
1 12	6 49.61	+15 20.3	1.328	2.299	5.0	21.1
1 22	6 39.44	+16 4.2	1.341	2.281	9.6	21.4
2 1	6 31.39	+16 51.3	1.380	2.263	14.2	21.6
2 11	6 26.46	+17 38.6	1.439	2.245	18.2	21.8

97786 2000 NU_2 1 4.5 151.°73 1.°1/ 4.8 18

12 3	7 27.80	+19 4.3	2.019	2.842	13.0	21.1
12 13	7 20.62	+19 8.5	1.950	2.852	9.6	20.9
12 23	7 11.27	+19 17.3	1.906	2.862	5.6	20.6
1 2	7 0.57	+19 28.9	1.890	2.871	1.6	20.4
1 12	6 49.65	+19 41.4	1.906	2.880	3.3	20.5
1 22	6 39.65	+19 53.3	1.951	2.887	7.3	20.8
2 1	6 31.52	+20 4.3	2.024	2.894	11.0	21.0
2 11	6 25.92	+20 14.1	2.120	2.899	14.0	21.2

125217 2001 UW_{152} 1 4.5 40.°95 1.°7/ 4.8 18

12 3	7 25.79	+19 0.3	1.311	2.160	17.1	19.6
12 13	7 20.05	+18 53.7	1.251	2.167	12.6	19.3
12 23	7 11.28	+18 54.3	1.213	2.173	7.5	19.0
1 2	7 0.60	+19 0.3	1.200	2.181	2.3	18.7
1 12	6 49.62	+19 9.4	1.213	2.188	4.5	18.9
1 22	6 39.96	+19 19.9	1.253	2.196	9.7	19.2
2 1	6 32.95	+19 30.8	1.316	2.205	14.4	19.5
2 11	6 29.34	+19 41.5	1.400	2.213	18.3	19.8

455834 2005 TC_{84} 1 4.5 64.°30 3.°4/ 3.9 18

12 3	7 26.64	+30 55.6	1.785	2.623	13.8	21.0
12 13	7 20.26	+31 24.6	1.720	2.629	10.2	20.8
12 23	7 11.24	+31 49.1	1.679	2.635	6.4	20.6
1 2	7 0.58	+32 4.1	1.666	2.640	3.5	20.5
1 12	6 49.65	+32 6.3	1.681	2.646	5.1	20.6
1 22	6 39.84	+31 55.5	1.723	2.652	8.7	20.8
2 1	6 32.32	+31 33.9	1.792	2.658	12.3	21.0
2 11	6 27.78	+31 5.2	1.882	2.664	15.4	21.2

451516 2011 UA_{367} 1 4.5 48.°82 0.°0/ 4.4 16

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 26.09	+21 12.5	1.299	2.151	17.1	21.1
12 13	7 20.20	+21 36.9	1.250	2.169	12.4	20.9
12 23	7 11.30	+22 7.0	1.224	2.187	7.1	20.7
1 2	7 0.59	+22 38.6	1.223	2.205	1.4	20.3
1 12	6 49.72	+23 7.4	1.249	2.224	4.2	20.6
1 22	6 40.31	+23 30.9	1.300	2.244	9.4	20.9
2 1	6 33.61	+23 48.4	1.376	2.263	13.9	21.3
2 11	6 30.31	+24 0.6	1.473	2.283	17.6	21.6

349603 2008 TH_{189} 1 4.5 337.°62 5.°6/ 3.6 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 28.51	+33 25.0	1.334	2.184	16.8	20.4
12 13	7 22.60	+34 12.8	1.267	2.179	12.8	20.2
12 23	7 13.04	+34 53.7	1.222	2.175	8.5	19.9
1 2	7 1.00	+35 19.4	1.202	2.172	5.7	19.7
1 12	6 48.39	+35 23.9	1.208	2.169	7.4	19.8
1 22	6 37.24	+35 6.6	1.238	2.166	11.5	20.0
2 1	6 29.20	+34 31.8	1.292	2.163	15.8	20.3
2 11	6 25.19	+33 46.1	1.365	2.162	19.5	20.5

164337 2005 BR_{12} 1 4.5 56.°66 0.°1/ 4.5 17

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 27.43	+22 18.9	1.334	2.184	16.8	19.8
12 13	7 21.06	+22 30.4	1.287	2.204	12.2	19.6
12 23	7 11.74	+22 45.6	1.261	2.224	7.0	19.4
1 2	7 0.67	+23 0.8	1.262	2.244	1.4	19.0
1 12	6 49.52	+23 12.8	1.289	2.265	4.1	19.3
1 22	6 39.88	+23 20.2	1.343	2.285	9.3	19.7
2 1	6 32.95	+23 23.4	1.421	2.306	13.7	20.0
2 11	6 29.40	+23 23.4	1.520	2.327	17.3	20.3

308724 2006 HE_{24} 1 4.5 169.°33 1.°1/ 4.2 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 27.34	+24 23.3	2.038	2.867	12.7	21.6
12 13	7 20.47	+24 54.4	1.965	2.872	9.2	21.4
12 23	7 11.28	+25 26.9	1.916	2.875	5.3	21.1
1 2	7 0.60	+25 57.0	1.897	2.878	1.5	20.9
1 12	6 49.59	+26 21.6	1.908	2.881	3.5	21.0
1 22	6 39.44	+26 38.9	1.949	2.882	7.5	21.3
2 1	6 31.19	+26 48.9	2.017	2.883	11.2	21.5
2 11	6 25.55	+26 53.1	2.108	2.884	14.2	21.7

82000 2000 QD_{219} 1 4.5 225.°53 1.°2/ 4.2 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 22.34	+26 12.9	2.620	3.448	10.2	20.1
12 13	7 16.47	+26 26.3	2.535	3.442	7.5	19.9
12 23	7 8.85	+26 39.2	2.477	3.435	4.4	19.7
1 2	7 0.10	+26 49.0	2.448	3.429	1.4	19.5
1 12	6 51.08	+26 54.1	2.450	3.422	3.0	19.6
1 22	6 42.66	+26 53.8	2.482	3.415	6.2	19.8
2 1	6 35.64	+26 48.3	2.542	3.407	9.2	20.0
2 11	6 30.61	+26 38.8	2.627	3.400	11.8	20.2

284078 2005 GN_{141} 1 4.5 245.°55 1.°6/ 5.0 17

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 20.84	+16 20.6	2.629	3.446	10.5	21.3
12 13	7 15.37	+16 27.5	2.534	3.433	7.8	21.1
12 23	7 8.23	+16 40.3	2.466	3.419	4.8	20.8
1 2	6 59.99	+16 58.0	2.427	3.405	2.0	20.6
1 12	6 51.40	+17 19.2	2.419	3.391	3.0	20.7
1 22	6 43.29	+17 42.4	2.441	3.376	6.1	20.9
2 1	6 36.42	+18 6.4	2.492	3.361	9.2	21.0
2 11	6 31.38	+18 30.1	2.567	3.346	11.9	21.2

373751 2002 TF_{143} 1 4.5 95.°17 2.°4/ 5.3 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 21.98	+13 50.1	2.403	3.217	11.5	21.0
12 13	7 16.06	+13 59.5	2.343	3.238	8.6	20.9
12 23	7 8.52	+14 16.9	2.309	3.258	5.4	20.7
1 2	7 0.02	+14 41.0	2.303	3.278	2.7	20.6
1 12	6 51.41	+15 10.1	2.328	3.298	3.4	20.7
1 22	6 43.51	+15 42.2	2.383	3.317	6.3	20.9
2 1	6 37.04	+16 15.5	2.467	3.336	9.3	21.1
2 11	6 32.52	+16 48.4	2.574	3.355	11.8	21.3

245848 2006 KR_{101} 1 4.5 117.°75 4.°0/ 5.2 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 21.98	+10 26.5	2.600	3.400	11.1	21.1
12 13	7 15.95	+9 42.1	2.531	3.411	8.6	21.0
12 23	7 8.42	+9 5.5	2.487	3.422	6.0	20.8
1 2	7 0.00	+8 37.8	2.473	3.433	4.2	20.7
1 12	6 51.47	+8 19.7	2.489	3.443	4.6	20.8
1 22	6 43.58	+8 10.9	2.535	3.454	6.8	20.9
2 1	6 37.00	+8 10.5	2.609	3.464	9.3	21.1
2 11	6 32.22	+8 16.6	2.707	3.473	11.6	21.3

284205 2006 BF_{194} 1 4.5 12.°35 1.°9/ 4.3 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 28.01	+27 24.9	1.315	2.168	16.9	20.1
12 13	7 21.88	+27 21.6	1.251	2.169	12.4	19.8
12 23	7 12.43	+27 15.1	1.208	2.170	7.3	19.5
1 2	7 0.86	+27 1.5	1.191	2.172	2.3	19.2
1 12	6 48.97	+26 38.6	1.200	2.174	4.8	19.4
1 22	6 38.54	+26 7.4	1.235	2.177	10.0	19.7
2 1	6 31.01	+25 31.0	1.294	2.180	14.8	20.0
2 11	6 27.18	+24 53.2	1.373	2.183	18.7	20.2

27720 1989 UP_3 1 4.5 33.°15 8.°9/ 6.4 18 R

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 21.78	+ 2 49.9	1.479	2.286	17.7	18.1
12 13	7 16.71	+ 1 53.1	1.423	2.295	14.5	17.9
12 23	7 9.21	+ 1 17.7	1.387	2.305	11.3	17.7
1 2	7 0.20	+ 1 7.6	1.375	2.316	9.2	17.6
1 12	6 50.97	+ 1 23.4	1.388	2.327	9.3	17.7
1 22	6 42.78	+ 2 2.1	1.426	2.339	11.6	17.8
2 1	6 36.69	+ 2 58.5	1.488	2.351	14.6	18.0
2 11	6 33.40	+ 4 5.5	1.569	2.364	17.5	18.3

306020 2010 DC_{34} 1 4.5 67.°09 7.°8/ 1.1 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 36.25	+25 36.2	0.928	1.790	21.4	19.0
12 13	7 29.65	+29 29.4	0.883	1.804	15.9	18.8
12 23	7 17.89	+33 34.6	0.860	1.818	10.3	18.5
1 2	7 2.14	+37 24.0	0.864	1.832	7.9	18.5
1 12	6 45.04	+40 31.5	0.895	1.847	11.0	18.7
1 22	6 29.76	+42 45.1	0.950	1.861	16.1	19.0
2 1	6 18.97	+44 7.9	1.026	1.876	20.7	19.3
2 11	6 14.01	+44 52.3	1.117	1.891	24.3	19.7

288767 2004 RY_{94} 1 4.5 82.°89 3.°4/ 5.1 17

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 27.00	+14 57.5	1.466	2.300	16.5	20.6
12 13	7 20.52	+14 38.7	1.411	2.316	12.3	20.4
12 23	7 11.38	+14 30.1	1.378	2.332	7.7	20.2
1 2	7 0.64	+14 31.5	1.371	2.347	3.8	20.0
1 12	6 49.75	+14 41.3	1.392	2.363	5.0	20.1
1 22	6 40.12	+14 57.6	1.440	2.378	9.2	20.4
2 1	6 32.88	+15 18.3	1.513	2.393	13.3	20.7
2 11	6 28.71	+15 41.4	1.607	2.408	16.8	20.9

467177 2016 EC_{111} 1 4.5 264.°40 4.°0/ 5.4 17

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 21.84	+11 7.7	2.134	2.947	12.8	21.7
12 13	7 16.41	+10 52.9	2.042	2.932	9.9	21.5
12 23	7 8.97	+10 48.4	1.975	2.918	6.7	21.3
1 2	7 0.18	+10 54.5	1.935	2.903	4.2	21.1
1 12	6 50.96	+11 10.8	1.924	2.887	4.8	21.1
1 22	6 42.32	+11 35.8	1.942	2.872	7.8	21.3
2 1	6 35.18	+12 7.2	1.987	2.857	11.2	21.5
2 11	6 30.23	+12 42.6	2.055	2.841	14.2	21.6

468093 2013 UZ_9 1 4.5 192.°40 4.°4/ 5.7 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 20.73	+ 8 57.2	2.316	3.120	12.2	21.9
12 13	7 15.34	+ 8 39.1	2.237	3.119	9.5	21.7
12 23	7 8.22	+ 8 31.8	2.183	3.118	6.7	21.6
1 2	7 0.01	+ 8 36.0	2.156	3.117	4.6	21.4
1 12	6 51.53	+ 8 51.4	2.159	3.116	5.0	21.5
1 22	6 43.66	+ 9 16.3	2.191	3.115	7.4	21.6
2 1	6 37.19	+ 9 48.6	2.250	3.114	10.3	21.8
2 11	6 32.68	+10 25.5	2.333	3.113	12.9	22.0

227352 2005 UG_{88} 1 4.5 109.°28 2.°5/ 5.1 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 23.54	+15 28.5	1.938	2.764	13.4	20.8
12 13	7 17.62	+15 22.2	1.870	2.771	10.0	20.6
12 23	7 9.61	+15 23.8	1.825	2.778	6.2	20.4
1 2	7 0.29	+15 32.5	1.808	2.785	2.9	20.2
1 12	6 50.74	+15 46.9	1.821	2.792	3.9	20.3
1 22	6 42.03	+16 5.3	1.862	2.798	7.6	20.5
2 1	6 35.10	+16 26.2	1.930	2.805	11.2	20.8
2 11	6 30.59	+16 48.0	2.021	2.811	14.2	21.0

375358 2008 SU_{101} 1 4.5 101.°94 2.°2/ 5.0 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 22.07	+16 4.8	2.183	3.006	12.2	21.0
12 13	7 16.38	+15 56.9	2.112	3.013	9.0	20.8
12 23	7 8.83	+15 55.5	2.066	3.019	5.6	20.6
1 2	7 0.13	+15 59.9	2.048	3.025	2.5	20.4
1 12	6 51.24	+16 9.0	2.060	3.032	3.5	20.5
1 22	6 43.08	+16 21.5	2.102	3.038	6.9	20.7
2 1	6 36.48	+16 36.2	2.171	3.044	10.2	21.0
2 11	6 32.04	+16 52.2	2.263	3.050	13.0	21.2

245883 2006 QK_{38} 1 4.5 172.°54 3.°4/ 5.7 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 19.71	+ 9 20.9	2.950	3.745	10.1	21.4
12 13	7 14.29	+ 9 14.3	2.869	3.747	7.8	21.2
12 23	7 7.50	+ 9 16.3	2.815	3.750	5.4	21.1
1 2	6 59.86	+ 9 27.0	2.790	3.752	3.6	20.9
1 12	6 52.04	+ 9 45.9	2.795	3.753	3.9	21.0
1 22	6 44.70	+10 11.5	2.831	3.754	6.0	21.1
2 1	6 38.44	+10 42.2	2.896	3.755	8.4	21.3
2 11	6 33.74	+11 15.9	2.985	3.755	10.6	21.4

326464 2001 YL_{31} 1 4.5 295.°52 1.°9/ 4.8 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 24.01	+18 44.7	1.800	2.634	13.8	20.2
12 13	7 18.28	+18 19.6	1.716	2.624	10.3	19.9
12 23	7 10.15	+17 58.6	1.657	2.614	6.2	19.7
1 2	7 0.44	+17 41.5	1.625	2.604	2.3	19.4
1 12	6 50.33	+17 27.8	1.621	2.594	3.9	19.5
1 22	6 41.04	+17 17.3	1.646	2.585	8.2	19.7
2 1	6 33.68	+17 10.0	1.697	2.575	12.3	19.9
2 11	6 28.99	+17 5.7	1.770	2.566	15.7	20.1

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
463554 2013 RL_{53}			1 4.5	65.°13	4.°0/ 3.8	18
	h m	° ′			°	m
12 3	7 26.30	+33 53.5	2.036	2.866	12.6	21.2
12 13	7 19.78	+34 19.2	1.973	2.875	9.5	21.0
12 23	7 10.89	+34 37.9	1.934	2.883	6.3	20.8
1 2	7 0.57	+34 45.3	1.923	2.892	4.1	20.7
1 12	6 50.06	+34 38.7	1.942	2.901	5.2	20.8
1 22	6 40.62	+34 18.6	1.988	2.910	8.2	21.0
2 1	6 33.26	+33 47.4	2.061	2.919	11.4	21.2
2 11	6 28.63	+33 9.1	2.156	2.927	14.1	21.4
488861 2005 SB_{80}			1 4.5	153.°11	3.°0/ 3.8	18
12 3	7 27.08	+30 23.6	2.127	2.956	12.2	22.3
12 13	7 20.28	+30 56.8	2.058	2.962	9.0	22.1
12 23	7 11.18	+31 26.4	2.013	2.967	5.6	21.9
1 2	7 0.64	+31 48.1	1.998	2.972	3.1	21.8
1 12	6 49.82	+31 58.9	2.012	2.977	4.5	21.9
1 22	6 39.92	+31 57.9	2.056	2.981	7.8	22.1
2 1	6 31.96	+31 46.6	2.127	2.985	11.0	22.3
2 11	6 26.62	+31 28.0	2.220	2.989	13.8	22.5
464912 2005 TQ_{20}			1 4.5	132.°27	3.°5/ 5.7	18
12 3	7 18.93	+ 9 43.3	2.809	3.609	10.4	21.6
12 13	7 13.76	+ 9 30.2	2.734	3.615	8.0	21.4
12 23	7 7.21	+ 9 25.8	2.685	3.621	5.6	21.3
1 2	6 59.82	+ 9 30.3	2.664	3.626	3.7	21.2
1 12	6 52.25	+ 9 43.3	2.673	3.632	4.1	21.2
1 22	6 45.21	+10 3.4	2.713	3.637	6.2	21.4
2 1	6 39.30	+10 29.1	2.780	3.642	8.6	21.5
2 11	6 35.00	+10 58.3	2.872	3.647	10.8	21.7
347177 2011 FE_{149}			1 4.5	146.°90	2.°0/ 3.9	18
12 3	7 30.40	+25 21.2	1.803	2.633	14.0	21.4
12 13	7 22.96	+26 15.1	1.737	2.645	10.2	21.2
12 23	7 12.84	+27 10.5	1.697	2.656	6.0	20.9
1 2	7 1.00	+28 1.7	1.686	2.665	2.2	20.7
1 12	6 48.79	+28 43.6	1.704	2.675	4.3	20.9
1 22	6 37.63	+29 13.8	1.752	2.683	8.5	21.1
2 1	6 28.74	+29 32.6	1.827	2.690	12.3	21.4
2 11	6 22.86	+29 42.1	1.924	2.697	15.5	21.6
351233 2004 PJ_{57}			1 4.5	76.°31	1.°9/ 4.8	18
12 3	7 29.44	+18 17.7	1.427	2.264	16.6	20.7
12 13	7 22.22	+18 7.4	1.381	2.291	12.2	20.5
12 23	7 12.29	+18 4.1	1.359	2.317	7.2	20.3
1 2	7 0.84	+18 6.2	1.362	2.343	2.5	20.1
1 12	6 49.41	+18 11.6	1.394	2.368	4.3	20.3
1 22	6 39.46	+18 19.2	1.454	2.394	8.9	20.6
2 1	6 32.10	+18 27.9	1.538	2.419	13.2	20.9
2 11	6 27.91	+18 37.2	1.644	2.443	16.6	21.2
464521 2016 CM_{8}			1 4.5	213.°55	0.°5/ 4.6	18
12 3	7 24.32	+20 45.9	1.869	2.704	13.4	21.6
12 13	7 18.41	+20 51.9	1.794	2.703	9.8	21.4
12 23	7 10.18	+21 1.9	1.742	2.702	5.7	21.1
1 2	7 0.45	+21 13.8	1.719	2.701	1.3	20.8
1 12	6 50.38	+21 25.5	1.725	2.700	3.4	21.0
1 22	6 41.17	+21 35.5	1.759	2.698	7.7	21.2
2 1	6 33.86	+21 43.4	1.820	2.697	11.6	21.5
2 11	6 29.18	+21 49.3	1.903	2.696	14.9	21.7
269473 2009 TR_{25}			1 4.5	65.°15	0.°3/ 4.5	18
12 3	7 24.67	+23 47.1	1.906	2.742	13.1	20.6
12 13	7 18.59	+23 46.4	1.834	2.744	9.6	20.3
12 23	7 10.24	+23 46.6	1.787	2.747	5.5	20.1
1 2	7 0.45	+23 45.3	1.767	2.750	1.2	19.8
1 12	6 50.42	+23 40.9	1.777	2.752	3.4	20.0
1 22	6 41.31	+23 33.0	1.816	2.755	7.6	20.2
2 1	6 34.14	+23 22.2	1.882	2.758	11.4	20.5
2 11	6 29.58	+23 9.6	1.970	2.760	14.5	20.7
462651 2009 SA_{217}			1 4.5	73.°64	2.°0/ 4.1	18
12 3	7 26.51	+27 8.2	1.840	2.677	13.5	21.5
12 13	7 19.90	+27 34.6	1.787	2.697	9.8	21.4
12 23	7 10.93	+27 59.5	1.759	2.718	5.7	21.2
1 2	7 0.58	+28 18.9	1.758	2.738	2.2	21.0
1 12	6 50.13	+28 29.8	1.787	2.758	4.0	21.1
1 22	6 40.81	+28 31.6	1.844	2.778	7.9	21.4
2 1	6 33.62	+28 25.6	1.928	2.798	11.4	21.7
2 11	6 29.20	+28 14.0	2.034	2.818	14.4	21.9
20726 1999 XE_{122}			1 4.5	224.°77	1.°0/ 4.4	18
12 3	7 28.61	+26 8.9	1.942	2.773	13.2	18.6
12 13	7 21.56	+26 0.9	1.857	2.765	9.7	18.4
12 23	7 12.01	+25 50.6	1.797	2.756	5.6	18.1
1 2	7 0.85	+25 35.7	1.766	2.747	1.5	17.8
1 12	6 49.31	+25 14.6	1.764	2.738	3.6	18.0
1 22	6 38.69	+24 47.8	1.792	2.728	7.9	18.2
2 1	6 30.12	+24 17.1	1.847	2.717	11.8	18.4
2 11	6 24.34	+23 45.0	1.925	2.707	15.2	18.6

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
308174 2005 CX_{12}			1 4.5	358.°19	1.°3/ 4.9	18
	h m	° ′			°	m
12 3	7 23.81	+17 32.6	1.425	2.270	16.2	20.4
12 13	7 18.64	+18 3.7	1.355	2.269	12.0	20.2
12 23	7 10.59	+18 45.8	1.308	2.268	7.1	19.9
1 2	7 0.58	+19 35.7	1.286	2.268	2.0	19.6
1 12	6 50.07	+20 28.4	1.292	2.268	4.1	19.7
1 22	6 40.59	+21 19.6	1.324	2.268	9.3	20.0
2 1	6 33.48	+22 6.1	1.381	2.269	13.9	20.3
2 11	6 29.59	+22 46.6	1.459	2.270	17.8	20.5
304920 2007 RN_{301}			1 4.5	140.°35	0.°7/ 4.7	18
12 3	7 27.29	+19 44.2	2.009	2.834	13.0	22.1
12 13	7 20.31	+19 59.8	1.943	2.847	9.5	21.9
12 23	7 11.16	+20 19.9	1.901	2.859	5.5	21.7
1 2	7 0.66	+20 42.2	1.889	2.871	1.4	21.5
1 12	6 49.94	+21 4.2	1.907	2.881	3.2	21.6
1 22	6 40.14	+21 24.0	1.955	2.892	7.3	21.9
2 1	6 32.22	+21 41.1	2.030	2.901	10.9	22.1
2 11	6 26.81	+21 55.3	2.129	2.910	13.9	22.4
419453 2010 CN_{139}			1 4.5	283.°46	5.°2/ 5.9	17
12 3	7 19.91	+ 6 37.0	2.267	3.065	12.6	21.3
12 13	7 14.91	+ 6 18.6	2.176	3.051	10.0	21.1
12 23	7 8.09	+ 6 13.1	2.108	3.036	7.4	20.9
1 2	7 0.05	+ 6 21.6	2.067	3.021	5.4	20.7
1 12	6 51.64	+ 6 44.0	2.055	3.007	5.7	20.7
1 22	6 43.73	+ 7 18.5	2.072	2.992	8.0	20.8
2 1	6 37.18	+ 8 2.5	2.115	2.977	10.9	21.0
2 11	6 32.62	+ 8 52.6	2.181	2.963	13.6	21.1
249690 2000 DP_{13}			1 4.5	313.°54	3.°3/ 4.0	18
12 3	7 27.19	+30 29.0	1.628	2.470	14.7	20.4
12 13	7 21.01	+30 47.9	1.554	2.465	10.9	20.2
12 23	7 11.89	+31 2.2	1.502	2.459	6.8	19.9
1 2	7 0.85	+31 6.8	1.478	2.454	3.5	19.7
1 12	6 49.37	+30 58.5	1.481	2.449	5.2	19.8
1 22	6 39.04	+30 37.1	1.512	2.444	9.4	20.1
2 1	6 31.18	+30 5.4	1.567	2.440	13.4	20.3
2 11	6 26.59	+29 27.6	1.644	2.435	16.9	20.5
261020 2005 SU_{120}			1 4.5	273.°83	1.°4/ 4.2	18
12 3	7 25.09	+25 29.0	1.835	2.673	13.4	20.8
12 13	7 19.11	+25 48.7	1.760	2.672	9.8	20.6
12 23	7 10.65	+26 8.7	1.709	2.670	5.7	20.4
1 2	7 0.58	+26 25.7	1.687	2.668	1.7	20.1
1 12	6 50.15	+26 36.5	1.693	2.666	3.8	20.2
1 22	6 40.63	+26 40.1	1.727	2.664	8.1	20.5
2 1	6 33.15	+26 37.0	1.788	2.662	12.0	20.7
2 11	6 28.46	+26 28.8	1.871	2.661	15.2	20.9
9526 Billmckinnon			1 4.5	232.°08	1.°5/ 4.3	18
12 3	7 24.54	+27 5.4	2.139	2.972	12.0	19.2
12 13	7 18.40	+27 12.0	2.062	2.971	8.8	19.0
12 23	7 10.11	+27 16.9	2.010	2.969	5.2	18.8
1 2	7 0.46	+27 17.3	1.986	2.967	1.7	18.6
1 12	6 50.55	+27 11.4	1.993	2.965	3.5	18.7
1 22	6 41.46	+26 58.9	2.028	2.963	7.2	18.9
2 1	6 34.16	+26 40.8	2.091	2.961	10.7	19.1
2 11	6 29.30	+26 19.3	2.177	2.958	13.6	19.3
169273 2001 SR_{210}			1 4.5	57.°38	2.°5/ 5.2	18
12 3	7 20.80	+14 36.4	2.170	2.992	12.2	20.1
12 13	7 15.48	+14 35.4	2.102	3.001	9.1	19.9
12 23	7 8.35	+14 42.5	2.059	3.010	5.7	19.7
1 2	7 0.10	+14 56.7	2.044	3.020	2.8	19.5
1 12	6 51.65	+15 16.8	2.058	3.029	3.6	19.6
1 22	6 43.94	+15 40.8	2.102	3.038	6.9	19.8
2 1	6 37.75	+16 7.1	2.173	3.048	10.1	20.1
2 11	6 33.66	+16 34.1	2.267	3.057	12.9	20.3
160191 2001 XK_{212}			1 4.5	73.°78	1.°1/ 4.8	18
12 3	7 23.92	+18 14.7	1.792	2.626	13.9	20.1
12 13	7 18.09	+18 34.6	1.728	2.637	10.2	19.8
12 23	7 9.98	+19 1.7	1.689	2.647	6.0	19.6
1 2	7 0.44	+19 33.3	1.677	2.658	1.7	19.4
1 12	6 50.65	+20 6.4	1.694	2.669	3.5	19.5
1 22	6 41.81	+20 38.5	1.740	2.680	7.7	19.8
2 1	6 34.91	+21 7.9	1.812	2.691	11.6	20.0
2 11	6 30.63	+21 33.9	1.907	2.702	14.8	20.3
368977 2007 EL_{7}			1 4.5	220.°46	6.°9/ 6.6	18
12 3	7 21.34	+ 2 20.8	2.060	2.844	14.2	21.1
12 13	7 16.00	+ 1 59.8	1.982	2.841	11.6	21.0
12 23	7 8.73	+ 1 56.2	1.926	2.839	9.0	20.8
1 2	7 0.19	+ 2 11.8	1.896	2.836	7.2	20.7
1 12	6 51.33	+ 2 46.3	1.895	2.833	7.2	20.7
1 22	6 43.11	+ 3 37.2	1.920	2.831	9.2	20.8
2 1	6 36.43	+ 4 40.5	1.972	2.828	11.9	21.0
2 11	6 31.93	+ 5 51.1	2.047	2.824	14.5	21.1

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
379489	2010 EZ_{107}		1 4.5	344.°98	11.°2/ 6.6	18
12 3	7 16.68	− 1 36.3	1.515	2.310	17.9	20.0
12 13	7 13.26	− 2 45.5	1.438	2.294	15.4	19.7
12 23	7 7.44	− 3 31.3	1.381	2.280	12.9	19.6
1 2	6 59.96	− 3 47.8	1.346	2.266	11.4	19.4
1 12	6 51.98	− 3 31.9	1.334	2.254	11.4	19.4
1 22	6 44.74	− 2 45.4	1.344	2.244	13.2	19.5
2 1	6 39.39	− 1 33.5	1.377	2.235	15.9	19.6
2 11	6 36.74	− 0 4.4	1.429	2.227	18.7	19.8
495608	2015 BX_{500}		1 4.5	333.°06	1.°5/ 4.2	18
12 3	7 23.41	+27 15.2	2.207	3.040	11.7	20.7
12 13	7 17.52	+27 22.1	2.130	3.039	8.5	20.5
12 23	7 9.59	+27 27.1	2.078	3.037	5.0	20.3
1 2	7 0.37	+27 27.8	2.056	3.036	1.8	20.1
1 12	6 50.89	+27 22.3	2.063	3.035	3.4	20.2
1 22	6 42.21	+27 10.4	2.099	3.033	7.0	20.4
2 1	6 35.23	+26 53.1	2.162	3.032	10.4	20.6
2 11	6 30.60	+26 32.2	2.249	3.031	13.2	20.8
49899	1999 XA_{163}		1 4.5	27.°61	0.°7/ 4.6	18
12 3	7 26.48	+20 56.9	1.219	2.074	17.8	18.1
12 13	7 20.86	+20 55.8	1.158	2.077	13.1	17.9
12 23	7 11.94	+21 0.4	1.119	2.081	7.6	17.6
1 2	7 0.88	+21 7.7	1.104	2.086	1.8	17.2
1 12	6 49.44	+21 15.2	1.115	2.091	4.5	17.4
1 22	6 39.41	+21 21.0	1.151	2.096	10.1	17.8
2 1	6 32.25	+21 25.1	1.211	2.102	15.1	18.1
2 11	6 28.77	+21 27.7	1.289	2.108	19.2	18.3
235641	2004 RL_{90}		1 4.5	166.°33	1.°1/ 4.4	18
12 3	7 29.63	+25 36.2	1.720	2.554	14.4	21.0
12 13	7 22.46	+25 40.0	1.649	2.558	10.5	20.8
12 23	7 12.59	+25 42.9	1.602	2.561	6.1	20.5
1 2	7 1.00	+25 41.6	1.582	2.564	1.6	20.2
1 12	6 49.12	+25 33.9	1.592	2.566	3.9	20.4
1 22	6 38.37	+25 19.6	1.631	2.568	8.5	20.7
2 1	6 29.95	+25 0.4	1.696	2.569	12.6	20.9
2 11	6 24.59	+24 38.6	1.783	2.570	16.0	21.2
277973	2006 TZ_{28}		1 4.5	113.°25	1.°2/ 4.8	18
12 3	7 26.37	+18 32.0	2.025	2.849	12.9	21.8
12 13	7 19.55	+18 38.1	1.965	2.868	9.5	21.6
12 23	7 10.68	+18 49.2	1.930	2.887	5.6	21.4
1 2	7 0.59	+19 3.7	1.924	2.905	1.7	21.2
1 12	6 50.38	+19 19.6	1.949	2.923	3.3	21.3
1 22	6 41.11	+19 35.3	2.003	2.940	7.1	21.6
2 1	6 33.68	+19 50.1	2.085	2.956	10.6	21.8
2 11	6 28.67	+20 3.7	2.190	2.972	13.5	22.0
419913	2011 BM_{10}		1 4.5	319.°94	5.°1/ 5.9	18
12 3	7 20.51	+ 8 55.1	1.737	2.556	14.9	20.9
12 13	7 15.84	+ 8 49.2	1.652	2.543	11.7	20.6
12 23	7 8.85	+ 8 58.7	1.590	2.531	8.2	20.4
1 2	7 0.27	+ 9 24.5	1.553	2.519	5.4	20.2
1 12	6 51.18	+10 5.3	1.544	2.507	5.8	20.2
1 22	6 42.78	+10 57.8	1.562	2.495	9.1	20.4
2 1	6 36.15	+11 58.1	1.606	2.484	12.8	20.6
2 11	6 32.10	+13 1.7	1.671	2.474	16.2	20.8
132239	2002 EF_{80}		1 4.5	146.°37	1.°3/ 4.2	18
12 3	7 28.49	+25 13.6	1.992	2.821	12.9	20.4
12 13	7 21.32	+25 40.6	1.925	2.831	9.4	20.2
12 23	7 11.82	+26 7.9	1.883	2.842	5.5	20.0
1 2	7 0.85	+26 31.6	1.870	2.851	1.6	19.7
1 12	6 49.64	+26 48.9	1.887	2.860	3.6	19.9
1 22	6 39.39	+26 58.4	1.934	2.868	7.6	20.2
2 1	6 31.15	+27 0.8	2.009	2.875	11.2	20.4
2 11	6 25.59	+26 57.7	2.106	2.882	14.2	20.6
318778	2005 SC_{93}		1 4.5	159.°18	0.°7/ 4.4	18
12 3	7 25.39	+24 10.5	2.082	2.913	12.4	21.4
12 13	7 19.02	+24 25.7	2.009	2.917	9.0	21.1
12 23	7 10.49	+24 41.8	1.961	2.921	5.2	20.9
1 2	7 0.59	+24 56.0	1.942	2.924	1.2	20.6
1 12	6 50.41	+25 6.1	1.953	2.927	3.3	20.8
1 22	6 41.08	+25 10.9	1.993	2.929	7.2	21.1
2 1	6 33.55	+25 10.8	2.061	2.931	10.8	21.3
2 11	6 28.50	+25 6.9	2.151	2.933	13.8	21.5
437336	2013 SY_{29}		1 4.5	14.°12	11.°1/ 3.3	18
12 3	7 28.41	+47 49.0	1.451	2.273	17.3	19.9
12 13	7 22.70	+48 55.0	1.408	2.282	14.5	19.8
12 23	7 13.10	+49 38.9	1.386	2.293	12.2	19.6
1 2	7 1.13	+49 51.1	1.385	2.305	11.2	19.6
1 12	6 49.01	+49 27.5	1.409	2.319	11.8	19.7
1 22	6 38.89	+48 31.0	1.455	2.334	13.8	19.8
2 1	6 32.29	+47 9.7	1.522	2.351	16.2	20.0
2 11	6 29.85	+45 33.5	1.609	2.369	18.6	20.3

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
194180	2001 TF_{59}		1 4.5	58.°32	1.°3/ 4.8	18
12 3	7 29.13	+19 31.6	1.214	2.063	18.2	20.0
12 13	7 22.37	+19 32.6	1.174	2.090	13.2	19.8
12 23	7 12.55	+19 40.8	1.155	2.117	7.7	19.6
1 2	7 0.99	+19 53.1	1.162	2.143	2.1	19.3
1 12	6 49.48	+20 6.7	1.195	2.171	4.4	19.6
1 22	6 39.68	+20 19.5	1.254	2.198	9.7	19.9
2 1	6 32.79	+20 31.0	1.337	2.225	14.2	20.3
2 11	6 29.41	+20 41.0	1.440	2.252	17.9	20.6
330435	2007 DF_{34}		1 4.5	323.°64	1.°9/ 4.2	18
12 3	7 24.15	+26 42.0	1.656	2.502	14.3	21.0
12 13	7 18.78	+27 2.4	1.577	2.492	10.5	20.7
12 23	7 10.65	+27 22.5	1.521	2.482	6.2	20.5
1 2	7 0.67	+27 38.2	1.492	2.473	2.2	20.2
1 12	6 50.19	+27 46.1	1.491	2.464	4.3	20.3
1 22	6 40.66	+27 44.9	1.517	2.455	8.8	20.6
2 1	6 33.35	+27 35.5	1.568	2.447	13.1	20.8
2 11	6 29.10	+27 20.3	1.641	2.439	16.7	21.0
170318	2003 SY_{53}		1 4.5	145.°03	0.°9/ 4.8	18
12 3	7 27.09	+19 6.9	2.016	2.840	13.0	21.8
12 13	7 20.20	+19 19.7	1.948	2.851	9.5	21.6
12 23	7 11.15	+19 37.7	1.904	2.862	5.6	21.3
1 2	7 0.75	+19 58.4	1.890	2.872	1.5	21.1
1 12	6 50.12	+20 19.6	1.906	2.881	3.2	21.2
1 22	6 40.37	+20 39.6	1.953	2.889	7.3	21.5
2 1	6 32.48	+20 57.4	2.026	2.897	10.9	21.7
2 11	6 27.09	+21 12.9	2.123	2.904	13.9	21.9
288481	2004 FL_{22}		1 4.5	269.°94	0.°8/ 4.5	18
12 3	7 27.54	+25 58.9	1.841	2.676	13.6	20.3
12 13	7 20.97	+25 43.6	1.752	2.662	10.0	20.1
12 23	7 11.81	+25 25.8	1.688	2.648	5.8	19.8
1 2	7 0.91	+25 3.2	1.652	2.634	1.4	19.5
1 12	6 49.58	+24 34.9	1.646	2.620	3.7	19.6
1 22	6 39.15	+24 1.3	1.668	2.606	8.2	19.9
2 1	6 30.82	+23 24.8	1.717	2.591	12.4	20.1
2 11	6 25.38	+22 47.7	1.788	2.577	15.9	20.3
138053	2000 DL_{37}		1 4.5	230.°72	0.°1/ 4.5	18
12 3	7 25.14	+21 56.7	1.815	2.652	13.7	19.7
12 13	7 19.18	+22 15.6	1.738	2.648	10.0	19.5
12 23	7 10.76	+22 38.4	1.684	2.645	5.8	19.2
1 2	7 0.70	+23 2.1	1.659	2.641	1.2	18.9
1 12	6 50.22	+23 23.5	1.662	2.637	3.5	19.0
1 22	6 40.60	+23 40.9	1.694	2.633	8.0	19.3
2 1	6 32.96	+23 53.5	1.752	2.629	12.0	19.5
2 11	6 28.08	+24 2.1	1.833	2.624	15.4	19.8
465435	2008 RL_{69}		1 4.5	347.°63	1.°0/ 4.4	18
12 3	7 23.76	+25 15.3	1.963	2.800	12.7	21.4
12 13	7 18.00	+25 21.8	1.888	2.799	9.3	21.1
12 23	7 9.98	+25 28.3	1.837	2.797	5.4	20.9
1 2	7 0.53	+25 31.9	1.814	2.796	1.4	20.6
1 12	6 50.78	+25 30.9	1.821	2.795	3.4	20.8
1 22	6 41.89	+25 24.5	1.856	2.794	7.5	21.0
2 1	6 34.88	+25 13.5	1.918	2.794	11.2	21.2
2 11	6 30.43	+24 59.3	2.003	2.793	14.4	21.4
166856	2002 WC_{21}		1 4.5	107.°14	4.°2/ 5.5	18
12 3	7 21.09	+ 9 47.3	2.375	3.180	11.9	20.6
12 13	7 15.54	+ 9 18.1	2.304	3.187	9.2	20.4
12 23	7 8.36	+ 8 58.4	2.258	3.194	6.4	20.3
1 2	7 0.18	+ 8 49.2	2.240	3.202	4.4	20.2
1 12	6 51.82	+ 8 50.5	2.252	3.209	4.8	20.2
1 22	6 44.11	+ 9 1.1	2.292	3.216	7.2	20.4
2 1	6 37.78	+ 9 19.3	2.360	3.223	9.9	20.5
2 11	6 33.37	+ 9 43.0	2.452	3.229	12.4	20.7
324062	2005 VF_{63}		1 4.5	77.°95	2.°6/ 5.1	18
12 3	7 24.02	+15 56.1	1.803	2.632	14.1	21.1
12 13	7 18.13	+15 44.2	1.737	2.641	10.5	20.9
12 23	7 10.02	+15 40.1	1.695	2.649	6.5	20.7
1 2	7 0.53	+15 43.1	1.681	2.658	2.9	20.5
1 12	6 50.82	+15 52.1	1.695	2.667	4.1	20.5
1 22	6 42.04	+16 5.4	1.738	2.676	7.9	20.8
2 1	6 35.18	+16 21.7	1.807	2.684	11.7	21.0
2 11	6 30.88	+16 39.5	1.898	2.693	14.8	21.3
193924	2001 QR_{293}		1 4.6	196.°89	1.°6/ 4.2	18
12 3	7 29.65	+25 56.7	1.944	2.773	13.2	21.8
12 13	7 22.41	+26 22.7	1.864	2.770	9.7	21.6
12 23	7 12.61	+26 48.8	1.808	2.766	5.7	21.4
1 2	7 1.11	+27 10.8	1.781	2.761	1.9	21.1
1 12	6 49.16	+27 25.4	1.784	2.756	3.9	21.2
1 22	6 38.10	+27 31.1	1.817	2.750	8.1	21.5
2 1	6 29.09	+27 28.9	1.877	2.743	11.9	21.7
2 11	6 22.94	+27 20.7	1.960	2.735	15.2	21.9

467590 2007 VG_5 1 4.6 68.°28 3.°4/ 5.2 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 21.81	+13 15.5	2.204	3.020	12.3	20.6
12 13	7 16.15	+12 46.9	2.139	3.033	9.3	20.4
12 23	7 8.73	+12 26.1	2.099	3.045	6.1	20.2
1 2	7 0.27	+12 13.5	2.087	3.058	3.6	20.1
1 12	6 51.68	+12 9.1	2.105	3.070	4.3	20.1
1 22	6 43.84	+12 11.9	2.152	3.083	7.1	20.3
2 1	6 37.54	+12 20.7	2.226	3.095	10.1	20.5
2 11	6 33.30	+12 33.8	2.323	3.108	12.8	20.7

469041 2015 AM_{253} 1 4.6 110.°01 0.°0/ 4.5 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 22.06	+20 30.0	2.216	3.047	11.7	21.3
12 13	7 16.58	+21 5.4	2.139	3.047	8.6	21.1
12 23	7 9.12	+21 45.8	2.088	3.047	4.9	20.8
1 2	7 0.39	+22 28.4	2.065	3.047	1.0	20.6
1 12	6 51.31	+23 9.8	2.073	3.048	2.9	20.7
1 22	6 42.90	+23 47.7	2.110	3.048	6.7	20.9
2 1	6 36.03	+24 20.6	2.175	3.048	10.2	21.2
2 11	6 31.37	+24 48.3	2.264	3.048	13.1	21.4

21635 Micahtoll 1 4.6 111.°34 0.°6/ 4.7 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 28.14	+20 33.7	1.803	2.633	14.0	19.2
12 13	7 21.09	+20 39.6	1.745	2.651	10.2	19.0
12 23	7 11.69	+20 49.4	1.710	2.669	5.9	18.8
1 2	7 0.90	+21 0.8	1.704	2.686	1.4	18.5
1 12	6 49.97	+21 11.4	1.728	2.703	3.4	18.7
1 22	6 40.14	+21 20.2	1.781	2.719	7.7	19.0
2 1	6 32.42	+21 26.9	1.861	2.735	11.6	19.2
2 11	6 27.45	+21 31.8	1.963	2.750	14.7	19.5

222913 2002 JA_{67} 1 4.6 232.°17 0.°5/ 4.7 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 28.86	+20 5.8	1.591	2.426	15.3	21.6
12 13	7 22.34	+20 24.9	1.506	2.415	11.4	21.3
12 23	7 12.83	+20 50.8	1.444	2.403	6.7	21.0
1 2	7 1.21	+21 20.0	1.409	2.391	1.5	20.6
1 12	6 48.90	+21 49.0	1.403	2.378	4.0	20.8
1 22	6 37.47	+22 14.9	1.424	2.364	9.2	21.0
2 1	6 28.33	+22 36.5	1.472	2.350	13.8	21.3
2 11	6 22.45	+22 54.0	1.541	2.334	17.8	21.5

142472 2002 TH_{14} 1 4.6 112.°15 4.°9/ 3.2 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 31.92	+35 31.9	2.147	2.964	12.6	20.8
12 13	7 23.83	+36 33.3	2.097	2.989	9.5	20.6
12 23	7 13.28	+37 26.7	2.072	3.013	6.6	20.5
1 2	7 1.25	+38 6.0	2.077	3.036	4.9	20.4
1 12	6 49.04	+38 27.5	2.111	3.058	6.0	20.5
1 22	6 37.99	+38 30.9	2.175	3.080	8.6	20.7
2 1	6 29.14	+38 18.9	2.265	3.101	11.3	20.9
2 11	6 23.17	+37 56.0	2.378	3.121	13.7	21.1

269133 2007 SP_3 1 4.6 108.°21 6.°8/ 7.1 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 20.57	− 1 27.4	2.674	3.425	12.1	21.0
12 13	7 14.97	− 1 57.3	2.613	3.443	10.1	20.9
12 23	7 7.97	− 2 11.6	2.576	3.462	8.2	20.8
1 2	7 0.14	− 2 8.7	2.566	3.480	6.9	20.8
1 12	6 52.21	− 1 48.9	2.584	3.498	6.9	20.8
1 22	6 44.87	− 1 13.8	2.630	3.515	8.1	20.9
2 1	6 38.75	− 0 26.6	2.703	3.532	9.9	21.0
2 11	6 34.31	+ 0 28.9	2.799	3.548	11.7	21.2

467689 2008 UU_{357} 1 4.6 39.°23 2.°9/ 5.2 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 21.54	+14 40.9	2.022	2.847	12.9	21.3
12 13	7 16.18	+14 25.6	1.952	2.852	9.7	21.1
12 23	7 8.87	+14 18.3	1.907	2.858	6.2	20.9
1 2	7 0.35	+14 18.6	1.889	2.864	3.2	20.7
1 12	6 51.61	+14 25.8	1.901	2.870	4.0	20.8
1 22	6 43.65	+14 38.5	1.941	2.876	7.4	21.0
2 1	6 37.33	+14 55.3	2.007	2.883	10.8	21.2
2 11	6 33.26	+15 14.5	2.097	2.890	13.7	21.4

383689 2007 TD_{319} 1 4.6 120.°68 3.°4/ 5.5 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 20.74	+11 27.7	2.500	3.307	11.3	21.8
12 13	7 15.27	+11 9.9	2.427	3.314	8.6	21.6
12 23	7 8.22	+11 0.4	2.380	3.321	5.8	21.5
1 2	7 0.21	+10 59.7	2.361	3.328	3.6	21.3
1 12	6 52.03	+11 7.1	2.372	3.334	4.1	21.4
1 22	6 44.45	+11 21.6	2.413	3.341	6.6	21.5
2 1	6 38.18	+11 41.5	2.481	3.347	9.4	21.7
2 11	6 33.75	+12 5.0	2.574	3.353	11.8	21.9

58740 1998 ES_{12} 1 4.6 288.°86 1.°1/ 4.3 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 21.97	+25 2.0	2.314	3.147	11.2	19.7
12 13	7 16.57	+25 23.9	2.225	3.134	8.2	19.5
12 23	7 9.17	+25 46.8	2.161	3.120	4.8	19.3
1 2	7 0.44	+26 7.9	2.126	3.107	1.4	19.0
1 12	6 51.31	+26 24.7	2.121	3.094	3.2	19.1
1 22	6 42.78	+26 35.8	2.146	3.081	6.8	19.3
2 1	6 35.77	+26 41.0	2.198	3.068	10.2	19.5
2 11	6 30.97	+26 41.3	2.273	3.055	13.1	19.7

454503 2014 OY_{178} 1 4.6 114.°66 3.°6/ 3.9 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 29.87	+31 19.7	1.803	2.635	13.9	21.2
12 13	7 22.63	+31 54.1	1.743	2.648	10.3	21.0
12 23	7 12.71	+32 23.3	1.708	2.661	6.5	20.8
1 2	7 1.16	+32 42.0	1.700	2.673	3.7	20.6
1 12	6 49.40	+32 46.8	1.722	2.686	5.2	20.8
1 22	6 38.86	+32 37.6	1.771	2.697	8.7	21.0
2 1	6 30.68	+32 16.8	1.847	2.709	12.3	21.2
2 11	6 25.58	+31 48.5	1.945	2.719	15.3	21.5

379085 2008 XZ_1 1 4.6 351.°22 9.°8/29.9 15

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 27.09	+39 43.0	1.604	2.439	15.2	19.4
12 13	7 22.08	+42 37.0	1.540	2.430	12.5	19.2
12 23	7 13.28	+45 25.4	1.500	2.422	10.4	19.1
1 2	7 1.43	+47 53.5	1.488	2.415	9.9	19.0
1 12	6 48.20	+49 48.9	1.503	2.409	11.5	19.1
1 22	6 35.71	+51 6.0	1.542	2.405	14.1	19.2
2 1	6 26.04	+51 46.7	1.603	2.402	16.9	19.4
2 11	6 20.64	+51 58.4	1.682	2.400	19.4	19.6

121996 2000 FV_{41} 1 4.6 348.°69 2.°7/ 5.2 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 24.11	+15 13.9	1.260	2.108	17.7	19.3
12 13	7 19.19	+15 28.6	1.191	2.105	13.3	19.1
12 23	7 11.12	+15 57.7	1.144	2.102	8.2	18.8
1 2	7 0.89	+16 38.9	1.121	2.100	3.3	18.5
1 12	6 50.08	+17 28.3	1.123	2.098	4.9	18.6
1 22	6 40.39	+18 20.8	1.152	2.097	10.1	18.9
2 1	6 33.29	+19 12.5	1.204	2.096	15.1	19.1
2 11	6 29.71	+20 0.6	1.275	2.096	19.3	19.4

285728 2000 SO_{325} 1 4.6 46.°84 2.°1/ 4.2 17

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 27.80	+25 48.7	1.230	2.087	17.5	20.7
12 13	7 21.75	+26 21.3	1.185	2.105	12.8	20.4
12 23	7 12.42	+26 54.3	1.161	2.123	7.4	20.2
1 2	7 1.12	+27 21.7	1.161	2.142	2.5	20.0
1 12	6 49.68	+27 39.1	1.188	2.162	5.0	20.2
1 22	6 39.87	+27 45.2	1.241	2.182	10.0	20.5
2 1	6 33.05	+27 41.6	1.317	2.202	14.6	20.8
2 11	6 29.89	+27 31.2	1.413	2.223	18.3	21.1

354162 2002 CW_{209} 1 4.6 309.°26 1.°2/ 4.4 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 25.66	+24 17.5	1.414	2.265	16.0	21.0
12 13	7 20.31	+24 38.7	1.336	2.253	11.8	20.7
12 23	7 11.79	+25 2.9	1.280	2.242	6.9	20.4
1 2	7 1.05	+25 25.4	1.250	2.232	1.8	20.0
1 12	6 49.66	+25 42.3	1.246	2.221	4.5	20.2
1 22	6 39.31	+25 51.2	1.269	2.211	9.8	20.5
2 1	6 31.51	+25 52.5	1.316	2.201	14.6	20.7
2 11	6 27.23	+25 48.1	1.383	2.192	18.7	21.0

333626 2008 AT_{10} 1 4.6 48.°06 3.°5/ 5.7 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 23.93	+11 47.8	1.455	2.287	16.6	21.0
12 13	7 18.51	+12 18.3	1.397	2.300	12.6	20.8
12 23	7 10.45	+13 5.2	1.362	2.313	8.0	20.6
1 2	7 0.73	+14 6.1	1.352	2.327	4.0	20.4
1 12	6 50.72	+15 16.1	1.370	2.342	4.8	20.4
1 22	6 41.80	+16 29.6	1.415	2.356	9.0	20.7
2 1	6 35.14	+17 41.6	1.485	2.371	13.2	21.0
2 11	6 31.47	+18 48.6	1.577	2.386	16.7	21.3

349006 2006 UZ_{273} 1 4.6 12.°32 3.°8/ 3.9 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 24.24	+29 16.9	1.301	2.159	16.6	20.3
12 13	7 19.34	+29 56.9	1.243	2.163	12.3	20.1
12 23	7 11.18	+30 34.3	1.207	2.167	7.6	19.8
1 2	7 0.90	+31 2.5	1.195	2.172	3.9	19.6
1 12	6 50.24	+31 16.5	1.209	2.179	5.9	19.8
1 22	6 40.97	+31 15.1	1.249	2.186	10.4	20.0
2 1	6 34.53	+31 0.6	1.311	2.195	14.8	20.3
2 11	6 31.71	+30 37.0	1.393	2.204	18.5	20.6

424974 2009 BA_{49} 1 4.6 265.°34 0.°9/ 4.9 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 20.87	+18 36.3	2.435	3.260	11.0	21.6
12 13	7 15.60	+18 51.0	2.348	3.252	8.1	21.4
12 23	7 8.55	+19 10.8	2.287	3.244	4.8	21.2
1 2	7 0.33	+19 34.2	2.254	3.235	1.4	20.9
1 12	6 51.79	+19 59.2	2.253	3.227	2.8	21.0
1 22	6 43.79	+20 24.1	2.281	3.219	6.3	21.2
2 1	6 37.14	+20 47.7	2.337	3.210	9.5	21.4
2 11	6 32.47	+21 9.3	2.417	3.202	12.3	21.6

327427 2005 WC_{36} 1 4.6 52.°31 0.°8/ 4.4 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 24.31	+22 56.4	1.738	2.579	14.0	20.5
12 13	7 18.59	+23 29.7	1.676	2.588	10.2	20.2
12 23	7 10.43	+24 6.5	1.637	2.598	5.8	20.0
1 2	7 0.73	+24 42.7	1.625	2.607	1.4	19.7
1 12	6 50.73	+25 14.6	1.643	2.617	3.7	19.9
1 22	6 41.72	+25 39.9	1.688	2.627	8.0	20.2
2 1	6 34.79	+25 58.1	1.759	2.637	11.9	20.5
2 11	6 30.63	+26 10.0	1.853	2.647	15.2	20.7

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
400341	2007 UB_{127}		1 4.6	155.°15	2.°4/ 3.9	18
	h m	° ′			°	m
12 3	7 27.97	+27 14.6	1.858	2.692	13.5	21.3
12 13	7 21.28	+27 59.9	1.789	2.697	9.9	21.1
12 23	7 12.01	+28 44.9	1.744	2.702	5.9	20.8
1 2	7 1.06	+29 24.4	1.728	2.706	2.6	20.6
1 12	6 49.73	+29 54.1	1.741	2.710	4.4	20.8
1 22	6 39.37	+30 12.2	1.783	2.714	8.3	21.0
2 1	6 31.14	+30 19.3	1.852	2.717	12.1	21.2
2 11	6 25.81	+30 17.7	1.942	2.720	15.2	21.5
194727	2001 XU_{259}		1 4.6	121.°74	1.°6/ 4.1	18
12 3	7 30.62	+24 8.3	1.824	2.652	13.9	20.6
12 13	7 23.06	+25 4.2	1.766	2.673	10.1	20.4
12 23	7 12.94	+26 2.3	1.733	2.692	5.9	20.2
1 2	7 1.24	+26 57.0	1.730	2.711	1.9	20.0
1 12	6 49.29	+27 43.4	1.757	2.729	4.0	20.2
1 22	6 38.44	+28 18.9	1.814	2.746	8.1	20.5
2 1	6 29.80	+28 43.6	1.897	2.762	11.8	20.7
2 11	6 24.09	+28 59.2	2.003	2.777	14.9	21.0
277970	2006 SR_{391}		1 4.6	108.°00	2.°3/ 5.1	18
12 3	7 25.44	+16 8.6	1.860	2.685	13.8	21.6
12 13	7 19.12	+16 6.5	1.797	2.699	10.3	21.4
12 23	7 10.60	+16 12.1	1.758	2.712	6.3	21.2
1 2	7 0.75	+16 24.2	1.747	2.725	2.7	21.0
1 12	6 50.71	+16 41.0	1.765	2.737	3.8	21.1
1 22	6 41.61	+17 0.8	1.812	2.749	7.7	21.3
2 1	6 34.41	+17 21.9	1.886	2.761	11.4	21.6
2 11	6 29.76	+17 43.2	1.982	2.773	14.5	21.8
116716	2004 DM_7		1 4.6	144.°55	7.°8/ 8.1	18
12 3	7 19.84	− 4 58.7	2.531	3.268	13.1	20.0
12 13	7 14.65	− 5 10.3	2.456	3.271	11.2	19.8
12 23	7 7.91	− 5 2.8	2.402	3.274	9.3	19.7
1 2	7 0.20	− 4 34.3	2.375	3.277	8.0	19.6
1 12	6 52.26	− 3 45.3	2.374	3.280	7.9	19.6
1 22	6 44.86	− 2 38.3	2.401	3.282	9.0	19.7
2 1	6 38.70	− 1 17.5	2.455	3.285	10.7	19.8
2 11	6 34.30	+ 0 11.8	2.533	3.287	12.7	20.0
400037	2006 QA_{135}		1 4.6	73.°10	0.°3/ 4.6	16
12 3	7 28.55	+21 54.3	1.626	2.462	15.0	21.3
12 13	7 21.47	+21 54.3	1.579	2.489	10.9	21.2
12 23	7 11.94	+21 57.1	1.556	2.516	6.2	20.9
1 2	7 1.02	+22 0.1	1.560	2.542	1.3	20.7
1 12	6 50.12	+22 1.5	1.593	2.568	3.6	20.9
1 22	6 40.53	+22 0.6	1.654	2.594	8.1	21.2
2 1	6 33.27	+21 57.8	1.741	2.619	12.0	21.5
2 11	6 28.93	+21 53.7	1.851	2.645	15.2	21.8
353508	2011 SG_{98}		1 4.6	257.°68	4.°6/ 3.7	18
12 3	7 29.46	+32 20.3	1.577	2.417	15.2	20.8
12 13	7 22.99	+33 3.7	1.503	2.411	11.5	20.6
12 23	7 13.29	+33 42.1	1.452	2.405	7.5	20.4
1 2	7 1.39	+34 8.3	1.427	2.398	4.7	20.2
1 12	6 48.91	+34 17.3	1.429	2.392	6.3	20.3
1 22	6 37.61	+34 7.9	1.459	2.385	10.2	20.5
2 1	6 28.97	+33 43.1	1.513	2.378	14.3	20.7
2 11	6 23.90	+33 8.1	1.587	2.371	17.8	20.9
179210	2001 TJ_{202}		1 4.6	130.°54	1.°3/ 4.2	18
12 3	7 26.45	+24 24.0	2.151	2.979	12.1	21.0
12 13	7 19.78	+25 6.4	2.085	2.992	8.8	20.8
12 23	7 10.99	+25 50.4	2.046	3.005	5.1	20.6
1 2	7 0.87	+26 31.9	2.036	3.017	1.6	20.3
1 12	6 50.48	+27 7.4	2.056	3.028	3.4	20.5
1 22	6 40.93	+27 35.0	2.106	3.039	7.1	20.8
2 1	6 33.16	+27 54.5	2.185	3.050	10.5	21.0
2 11	6 27.83	+28 6.9	2.286	3.060	13.3	21.2
128588	2004 QW_1		1 4.6	65.°96	1.°0/ 4.5	18
12 3	7 26.96	+26 40.4	1.896	2.730	13.2	19.6
12 13	7 20.32	+26 24.7	1.825	2.735	9.7	19.4
12 23	7 11.34	+26 6.2	1.779	2.739	5.6	19.2
1 2	7 0.93	+25 43.0	1.762	2.743	1.5	18.9
1 12	6 50.35	+25 14.2	1.774	2.748	3.5	19.1
1 22	6 40.80	+24 40.8	1.815	2.752	7.7	19.3
2 1	6 33.33	+24 4.8	1.882	2.757	11.4	19.6
2 11	6 28.56	+23 28.5	1.973	2.761	14.6	19.8
490873	2011 BH_6		1 4.6	67.°56	1.°6/ 5.2	18
12 3	7 23.58	+15 16.7	1.847	2.675	13.8	20.9
12 13	7 17.95	+16 2.0	1.778	2.681	10.3	20.6
12 23	7 10.06	+16 58.3	1.733	2.688	6.2	20.4
1 2	7 0.69	+18 2.6	1.715	2.695	2.2	20.2
1 12	6 50.97	+19 10.3	1.728	2.702	3.5	20.3
1 22	6 42.05	+20 17.0	1.770	2.710	7.6	20.6
2 1	6 34.96	+21 19.4	1.838	2.717	11.5	20.8
2 11	6 30.42	+22 15.6	1.930	2.724	14.7	21.0

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
80255	1999 WZ_{19}		1 4.6	79.°66	3.°9/ 5.6	18 R
	h m	° ′			°	m
12 3	7 28.65	+12 8.9	1.321	2.153	18.1	19.3
12 13	7 21.97	+12 22.7	1.274	2.176	13.6	19.1
12 23	7 12.43	+12 52.6	1.248	2.199	8.7	18.9
1 2	7 1.16	+13 36.4	1.247	2.222	4.4	18.7
1 12	6 49.77	+14 29.6	1.274	2.245	5.3	18.8
1 22	6 39.79	+15 27.4	1.327	2.267	9.7	19.1
2 1	6 32.44	+16 25.3	1.405	2.289	14.0	19.4
2 11	6 28.38	+17 20.1	1.505	2.311	17.6	19.7
166112	2002 CN_{195}		1 4.6	233.°26	0.°5/ 4.5	18
12 3	7 27.55	+23 21.2	1.851	2.684	13.6	21.5
12 13	7 21.06	+23 35.8	1.765	2.673	10.0	21.2
12 23	7 11.98	+23 52.7	1.702	2.662	5.8	20.9
1 2	7 1.12	+24 8.6	1.668	2.650	1.3	20.6
1 12	6 49.73	+24 20.7	1.664	2.638	3.6	20.8
1 22	6 39.15	+24 27.4	1.688	2.625	8.2	21.0
2 1	6 30.59	+24 28.9	1.739	2.612	12.3	21.2
2 11	6 24.87	+24 26.5	1.812	2.598	15.8	21.4
359605	2010 WG_{13}		1 4.6	211.°08	0.°8/ 4.2	18
12 3	7 18.32	+25 16.0	3.630	4.452	7.8	20.7
12 13	7 13.30	+25 37.6	3.544	4.448	5.6	20.5
12 23	7 7.06	+25 59.4	3.485	4.443	3.3	20.4
1 2	7 0.05	+26 19.7	3.457	4.438	1.0	20.2
1 12	6 52.84	+26 37.1	3.461	4.433	2.2	20.3
1 22	6 46.02	+26 50.8	3.496	4.428	4.6	20.4
2 1	6 40.12	+27 0.3	3.560	4.423	6.9	20.6
2 11	6 35.58	+27 6.1	3.650	4.417	8.9	20.7
154755	2004 PT_9		1 4.6	82.°42	0.°4/ 4.5	18
12 3	7 25.33	+23 43.6	1.891	2.726	13.2	20.2
12 13	7 19.13	+23 49.1	1.825	2.735	9.6	20.0
12 23	7 10.67	+23 55.7	1.784	2.745	5.5	19.8
1 2	7 0.81	+24 0.9	1.772	2.754	1.2	19.5
1 12	6 50.75	+24 2.7	1.788	2.763	3.3	19.7
1 22	6 41.66	+24 0.4	1.833	2.772	7.5	20.0
2 1	6 34.55	+23 54.5	1.905	2.781	11.2	20.2
2 11	6 30.04	+23 46.1	2.000	2.790	14.4	20.4
95764	2003 EC_{46}		1 4.6	181.°15	4.°9/ 5.6	18
12 3	7 26.14	+10 1.0	1.831	2.641	14.7	20.0
12 13	7 19.76	+ 9 34.2	1.755	2.642	11.4	19.8
12 23	7 11.08	+ 9 19.6	1.703	2.642	7.9	19.6
1 2	7 0.92	+ 9 18.2	1.678	2.643	5.2	19.5
1 12	6 50.40	+ 9 29.7	1.682	2.642	5.8	19.5
1 22	6 40.72	+ 9 52.4	1.714	2.641	8.9	19.7
2 1	6 32.91	+10 23.6	1.772	2.639	12.4	19.9
2 11	6 27.69	+11 0.2	1.852	2.637	15.6	20.1
335633	2006 JN_{20}		1 4.6	115.°42	1.°8/ 3.9	18
12 3	7 24.15	+26 16.3	2.549	3.375	10.5	21.3
12 13	7 17.89	+27 7.3	2.485	3.390	7.7	21.2
12 23	7 9.83	+27 58.4	2.447	3.404	4.5	21.0
1 2	7 0.64	+28 45.9	2.440	3.419	1.9	20.8
1 12	6 51.22	+29 26.5	2.464	3.433	3.3	21.0
1 22	6 42.47	+29 58.5	2.518	3.446	6.4	21.2
2 1	6 35.20	+30 21.5	2.601	3.460	9.2	21.4
2 11	6 30.01	+30 36.6	2.708	3.473	11.7	21.6
271796	2004 TN_{57}		1 4.6	217.°92	0.°6/ 4.5	18
12 3	7 24.44	+23 50.6	2.066	2.899	12.4	21.2
12 13	7 18.47	+24 3.0	1.988	2.897	9.0	21.0
12 23	7 10.32	+24 16.8	1.935	2.895	5.2	20.8
1 2	7 0.77	+24 29.3	1.910	2.892	1.2	20.5
1 12	6 50.88	+24 38.3	1.915	2.889	3.2	20.6
1 22	6 41.77	+24 42.6	1.949	2.886	7.2	20.9
2 1	6 34.44	+24 42.3	2.010	2.884	10.9	21.1
2 11	6 29.56	+24 38.6	2.095	2.880	14.0	21.3
243862	2000 WZ_{143}		1 4.6	62.°43	12.°4/30.2	18
12 3	7 37.66	+36 7.2	1.002	1.855	20.8	19.5
12 13	7 31.43	+40 4.1	0.958	1.863	16.6	19.2
12 23	7 19.50	+43 56.2	0.936	1.871	13.3	19.1
1 2	7 2.91	+47 15.9	0.940	1.879	12.5	19.1
1 12	6 44.48	+49 41.0	0.968	1.888	14.8	19.2
1 22	6 27.82	+51 5.2	1.018	1.896	18.4	19.5
2 1	6 16.09	+51 37.2	1.087	1.905	22.0	19.7
2 11	6 10.83	+51 32.8	1.170	1.914	25.0	20.0
253103	2002 TL_{383}		1 4.6	168.°66	1.°5/ 4.9	18
12 3	7 25.23	+17 24.7	1.990	2.815	13.1	21.1
12 13	7 19.02	+17 36.8	1.915	2.818	9.7	20.9
12 23	7 10.64	+17 55.8	1.865	2.821	5.8	20.7
1 2	7 0.84	+18 19.8	1.843	2.823	2.0	20.4
1 12	6 50.73	+18 46.5	1.851	2.825	3.4	20.5
1 22	6 41.39	+19 13.8	1.888	2.826	7.4	20.8
2 1	6 33.84	+19 40.1	1.952	2.827	11.1	21.0
2 11	6 28.73	+20 4.6	2.040	2.827	14.2	21.2

423020 2003 SV_{427} 1 4.6 358.°88 3.°9/ 3.3 17

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 24.22	+30 12.0	1.843	2.684	13.3	20.9
12 13	7 18.76	+31 19.8	1.773	2.683	9.9	20.7
12 23	7 10.71	+32 26.1	1.728	2.682	6.3	20.5
1 2	7 0.88	+33 24.7	1.710	2.682	4.0	20.4
1 12	6 50.57	+34 10.0	1.720	2.682	5.5	20.5
1 22	6 41.14	+34 39.4	1.758	2.682	9.0	20.7
2 1	6 33.78	+34 53.5	1.822	2.683	12.4	20.9
2 11	6 29.33	+34 55.0	1.907	2.684	15.5	21.1

50658 2000 ES_{94} 1 4.6 17.°17 4.°1/ 5.0 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 22.26	+16 10.6	1.125	1.985	18.6	17.7
12 13	7 17.79	+15 22.3	1.075	1.993	14.0	17.4
12 23	7 10.22	+14 44.2	1.044	2.002	8.8	17.2
1 2	7 0.76	+14 18.0	1.037	2.013	4.5	17.0
1 12	6 51.11	+14 3.9	1.054	2.026	5.9	17.1
1 22	6 42.89	+14 1.0	1.096	2.040	10.6	17.4
2 1	6 37.42	+14 7.4	1.159	2.056	15.2	17.7
2 11	6 35.37	+14 20.1	1.242	2.072	19.1	18.0

240332 2003 OH_4 1 4.6 193.°39 1.°7/ 5.1 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 26.47	+16 38.5	2.052	2.872	13.0	21.4
12 13	7 19.93	+16 53.4	1.970	2.870	9.6	21.2
12 23	7 11.19	+17 15.8	1.913	2.867	5.8	21.0
1 2	7 0.98	+17 44.0	1.884	2.864	2.1	20.7
1 12	6 50.37	+18 15.5	1.886	2.860	3.5	20.8
1 22	6 40.48	+18 47.8	1.918	2.855	7.4	21.0
2 1	6 32.31	+19 19.3	1.978	2.849	11.1	21.2
2 11	6 26.59	+19 48.8	2.061	2.843	14.3	21.4

283523 2001 TX_{112} 1 4.6 179.°29 4.°9/ 3.6 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 31.79	+33 43.1	1.719	2.550	14.6	20.9
12 13	7 24.46	+34 30.4	1.649	2.551	11.0	20.7
12 23	7 14.04	+35 11.1	1.603	2.552	7.4	20.5
1 2	7 1.59	+35 38.3	1.585	2.552	5.0	20.4
1 12	6 48.69	+35 47.0	1.595	2.552	6.4	20.4
1 22	6 36.99	+35 36.8	1.632	2.552	9.9	20.6
2 1	6 27.90	+35 11.0	1.695	2.550	13.5	20.9
2 11	6 22.23	+34 34.7	1.779	2.549	16.7	21.1

488826 2005 NM_{58} 1 4.6 110.°22 5.°2/ 6.5 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 23.93	+ 5 48.8	2.096	2.888	13.7	22.0
12 13	7 17.80	+ 5 51.5	2.034	2.906	10.8	21.8
12 23	7 9.80	+ 6 9.5	1.995	2.923	7.8	21.7
1 2	7 0.67	+ 6 42.7	1.984	2.940	5.5	21.6
1 12	6 51.36	+ 7 29.4	2.003	2.956	5.6	21.6
1 22	6 42.84	+ 8 26.1	2.050	2.972	8.0	21.8
2 1	6 35.93	+ 9 29.0	2.125	2.988	10.8	22.0
2 11	6 31.20	+10 34.2	2.223	3.003	13.4	22.2

286183 2001 UQ_{50} 1 4.6 62.°19 5.°9/ 2.5 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 29.13	+33 20.1	1.663	2.500	14.7	19.5
12 13	7 22.60	+35 5.5	1.612	2.516	11.1	19.3
12 23	7 13.01	+36 45.8	1.586	2.533	7.7	19.2
1 2	7 1.39	+38 11.2	1.588	2.549	5.9	19.1
1 12	6 49.32	+39 14.6	1.618	2.566	7.4	19.2
1 22	6 38.44	+39 53.5	1.675	2.583	10.5	19.4
2 1	6 30.15	+40 10.0	1.757	2.600	13.7	19.7
2 11	6 25.27	+40 9.2	1.859	2.617	16.5	19.9

421152 2013 RZ_{31} 1 4.6 263.°07 4.°1/ 3.5 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 26.58	+33 7.4	2.125	2.954	12.2	21.0
12 13	7 20.32	+33 49.6	2.038	2.940	9.3	20.8
12 23	7 11.57	+34 27.3	1.977	2.926	6.2	20.6
1 2	7 1.10	+34 55.2	1.943	2.911	4.1	20.4
1 12	6 50.10	+35 9.4	1.939	2.897	5.4	20.5
1 22	6 39.86	+35 8.6	1.963	2.882	8.5	20.6
2 1	6 31.55	+34 54.3	2.013	2.867	11.8	20.8
2 11	6 25.98	+34 29.9	2.086	2.852	14.7	21.0

290374 2005 SR_{280} 1 4.6 11.°39 2.°0/ 5.1 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 22.68	+16 14.5	1.663	2.499	14.7	20.0
12 13	7 17.53	+16 28.0	1.592	2.500	10.9	19.8
12 23	7 9.93	+16 51.3	1.545	2.502	6.7	19.5
1 2	7 0.75	+17 22.4	1.524	2.504	2.6	19.3
1 12	6 51.18	+17 58.6	1.532	2.506	3.9	19.4
1 22	6 42.51	+18 36.6	1.567	2.508	8.3	19.6
2 1	6 35.83	+19 14.0	1.627	2.511	12.3	19.9
2 11	6 31.90	+19 49.1	1.710	2.514	15.8	20.1

323871 2005 SL_{163} 1 4.6 60.°25 0.°5/ 4.5 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 25.02	+22 51.0	1.719	2.559	14.1	20.7
12 13	7 19.13	+23 13.2	1.657	2.569	10.3	20.5
12 23	7 10.79	+23 38.5	1.619	2.580	5.9	20.3
1 2	7 0.91	+24 3.3	1.608	2.590	1.3	20.0
1 12	6 50.78	+24 24.5	1.626	2.601	3.6	20.2
1 22	6 41.67	+24 40.2	1.672	2.611	8.0	20.5
2 1	6 34.68	+24 50.4	1.743	2.622	12.0	20.7
2 11	6 30.50	+24 55.8	1.837	2.633	15.2	21.0

182778 2001 YK_{22} 1 4.6 157.°70 2.°2/ 3.9 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 25.87	+26 37.0	2.054	2.887	12.5	20.4
12 13	7 19.63	+27 28.8	1.982	2.890	9.1	20.2
12 23	7 11.07	+28 21.2	1.935	2.893	5.4	20.0
1 2	7 0.99	+29 9.6	1.917	2.896	2.3	19.8
1 12	6 50.51	+29 49.5	1.929	2.898	4.1	19.9
1 22	6 40.83	+30 18.8	1.971	2.901	7.7	20.1
2 1	6 33.00	+30 37.4	2.039	2.903	11.2	20.4
2 11	6 27.77	+30 46.8	2.130	2.904	14.1	20.6

327876 2007 AO_{17} 1 4.6 313.°21 3.°2/ 5.6 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 21.80	+12 28.7	1.597	2.429	15.4	20.2
12 13	7 17.25	+12 56.3	1.503	2.406	11.8	19.9
12 23	7 10.03	+13 40.5	1.431	2.384	7.6	19.6
1 2	7 0.82	+14 40.0	1.385	2.362	3.7	19.3
1 12	6 50.83	+15 51.0	1.367	2.340	4.7	19.3
1 22	6 41.42	+17 8.5	1.376	2.318	9.1	19.5
2 1	6 33.95	+18 27.1	1.411	2.298	13.7	19.7
2 11	6 29.41	+19 42.6	1.467	2.278	17.7	19.9

61495 2000 QJ_{49} 1 4.6 193.°22 0.°0/ 4.5 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 27.99	+21 39.2	1.951	2.778	13.2	20.7
12 13	7 21.19	+21 55.0	1.870	2.776	9.7	20.5
12 23	7 11.98	+22 14.2	1.815	2.774	5.6	20.3
1 2	7 1.18	+22 34.0	1.789	2.771	1.2	19.9
1 12	6 49.98	+22 51.7	1.792	2.767	3.3	20.1
1 22	6 39.60	+23 5.7	1.825	2.762	7.7	20.4
2 1	6 31.15	+23 15.5	1.886	2.757	11.6	20.6
2 11	6 25.37	+23 22.0	1.969	2.751	14.9	20.8

181056 2005 PX_{17} 1 4.6 10.°09 10.°0/ 8.7 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 22.07	− 5 25.4	1.795	2.549	17.1	20.1
12 13	7 16.87	− 5 39.8	1.722	2.549	14.6	19.9
12 23	7 9.49	− 5 27.3	1.669	2.550	12.2	19.8
1 2	7 0.66	− 4 44.9	1.640	2.550	10.4	19.7
1 12	6 51.47	− 3 33.0	1.636	2.551	10.1	19.7
1 22	6 43.03	− 1 56.1	1.658	2.552	11.5	19.7
2 1	6 36.34	− 0 1.6	1.705	2.553	13.8	19.9
2 11	6 32.11	+ 2 2.0	1.775	2.554	16.4	20.1

86570 2000 EH_{38} 1 4.6 239.°22 3.°3/ 4.0 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 30.38	+29 46.9	1.649	2.486	14.8	19.5
12 13	7 23.56	+30 14.7	1.567	2.476	11.0	19.2
12 23	7 13.64	+30 39.2	1.509	2.465	6.8	19.0
1 2	7 1.57	+30 54.8	1.477	2.454	3.4	18.7
1 12	6 48.90	+30 57.2	1.474	2.443	5.2	18.8
1 22	6 37.27	+30 45.4	1.499	2.431	9.6	19.0
2 1	6 28.14	+30 21.9	1.550	2.418	13.8	19.3
2 11	6 22.42	+29 50.9	1.621	2.405	17.4	19.5

378439 2007 RJ_{285} 1 4.6 97.°42 1.°4/ 4.2 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 23.65	+26 7.5	2.337	3.167	11.2	21.3
12 13	7 17.64	+26 30.1	2.271	3.178	8.2	21.2
12 23	7 9.75	+26 52.2	2.231	3.190	4.8	21.0
1 2	7 0.71	+27 11.0	2.220	3.201	1.6	20.8
1 12	6 51.48	+27 24.3	2.240	3.212	3.2	20.9
1 22	6 43.02	+27 31.0	2.289	3.223	6.6	21.1
2 1	6 36.17	+27 31.5	2.366	3.234	9.7	21.4
2 11	6 31.50	+27 27.2	2.467	3.244	12.3	21.6

111306 2001 XW_{61} 1 4.6 25.°93 1.°6/ 4.9 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 23.42	+19 37.0	1.270	2.125	17.1	19.2
12 13	7 18.39	+19 22.1	1.221	2.140	12.6	18.9
12 23	7 10.49	+19 13.8	1.194	2.155	7.4	18.7
1 2	7 0.87	+19 10.6	1.191	2.172	2.3	18.4
1 12	6 51.12	+19 10.8	1.214	2.190	4.3	18.6
1 22	6 42.77	+19 13.1	1.263	2.209	9.3	18.9
2 1	6 36.99	+19 16.9	1.336	2.229	13.8	19.3
2 11	6 34.45	+19 21.3	1.428	2.250	17.5	19.6

288622 2004 NE_{24} 1 4.6 144.°79 0.°9/ 4.8 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 29.42	+20 15.0	1.914	2.738	13.6	21.7
12 13	7 22.03	+20 10.0	1.847	2.750	10.0	21.5
12 23	7 12.35	+20 8.4	1.805	2.762	5.8	21.3
1 2	7 1.26	+20 8.5	1.791	2.773	1.6	21.0
1 12	6 49.98	+20 8.7	1.808	2.782	3.4	21.1
1 22	6 39.70	+20 8.4	1.855	2.791	7.6	21.4
2 1	6 31.44	+20 7.5	1.929	2.800	11.4	21.7
2 11	6 25.86	+20 6.4	2.025	2.807	14.5	21.9

118 Peitho 1 4.6 14.°98 5.°7/ 3.3 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 25.57	+31 20.1	1.178	2.040	17.7	12.0
12 13	7 20.80	+32 35.5	1.125	2.044	13.3	11.7
12 23	7 12.30	+33 47.3	1.092	2.049	8.7	11.5
1 2	7 1.31	+34 45.5	1.084	2.055	5.8	11.3
1 12	6 49.81	+35 22.1	1.100	2.062	7.7	11.5
1 22	6 39.86	+35 34.9	1.140	2.071	12.0	11.7
2 1	6 33.11	+35 27.0	1.202	2.080	16.3	12.0
2 11	6 30.46	+35 4.1	1.282	2.090	19.9	12.3

308204 2005 EW_{60} 1 4.6 296.°16 2.°6/ 4.2 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 26.94	+28 1.8	1.551	2.397	15.1	20.9
12 13	7 21.22	+28 21.8	1.466	2.380	11.2	20.6
12 23	7 12.38	+28 40.3	1.403	2.363	6.8	20.3
1 2	7 1.34	+28 52.2	1.367	2.346	2.8	20.0
1 12	6 49.61	+28 53.6	1.358	2.330	4.9	20.1
1 22	6 38.86	+28 43.3	1.376	2.314	9.7	20.3
2 1	6 30.56	+28 23.1	1.419	2.297	14.2	20.6
2 11	6 25.68	+27 56.4	1.482	2.282	18.1	20.8

336482 2008 VL_{51} 1 4.6 249.°72 0.°1/ 4.6 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 22.75	+22 5.3	2.336	3.165	11.3	21.0
12 13	7 17.08	+22 9.9	2.251	3.157	8.3	20.8
12 23	7 9.50	+22 16.5	2.191	3.150	4.8	20.6
1 2	7 0.68	+22 23.5	2.161	3.143	1.0	20.3
1 12	6 51.54	+22 29.2	2.160	3.135	2.8	20.4
1 22	6 43.04	+22 32.8	2.190	3.128	6.5	20.7
2 1	6 36.04	+22 34.0	2.247	3.120	9.9	20.9
2 11	6 31.17	+22 33.3	2.328	3.112	12.8	21.1

169281 2001 SM_{234} 1 4.6 10.°04 2.°1/ 5.1 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 19.04	+17 10.7	1.479	2.330	15.4	18.8
12 13	7 15.03	+17 12.6	1.419	2.335	11.4	18.6
12 23	7 8.54	+17 23.7	1.382	2.342	6.9	18.4
1 2	7 0.48	+17 42.4	1.370	2.350	2.6	18.1
1 12	6 52.16	+18 6.3	1.385	2.360	4.0	18.2
1 22	6 44.85	+18 32.8	1.425	2.371	8.5	18.5
2 1	6 39.66	+18 59.7	1.491	2.383	12.7	18.8
2 11	6 37.27	+19 25.1	1.577	2.397	16.2	19.1

199703 2006 HR_{42} 1 4.6 304.°93 0.°4/ 4.7 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 22.87	+20 55.7	1.984	2.819	12.7	20.4
12 13	7 17.44	+21 2.7	1.903	2.812	9.4	20.2
12 23	7 9.82	+21 13.5	1.846	2.806	5.5	19.9
1 2	7 0.76	+21 26.1	1.817	2.799	1.3	19.6
1 12	6 51.32	+21 38.6	1.818	2.793	3.2	19.7
1 22	6 42.62	+21 49.5	1.847	2.787	7.4	20.0
2 1	6 35.65	+21 58.2	1.903	2.781	11.1	20.2
2 11	6 31.14	+22 4.7	1.981	2.775	14.4	20.4

503442 2016 EL_{88} 1 4.6 270.°40 5.°7/ 5.6 17

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 23.00	+ 6 49.3	2.192	2.987	13.1	21.7
12 13	7 17.42	+ 6 13.5	2.090	2.962	10.5	21.5
12 23	7 9.81	+ 5 49.3	2.011	2.937	7.8	21.3
1 2	7 0.77	+ 5 38.8	1.960	2.912	5.9	21.1
1 12	6 51.21	+ 5 42.9	1.937	2.886	6.3	21.1
1 22	6 42.11	+ 6 0.9	1.943	2.859	8.7	21.2
2 1	6 34.41	+ 6 30.8	1.976	2.832	11.8	21.4
2 11	6 28.86	+ 7 9.2	2.031	2.805	14.7	21.5

490341 2009 DW_{59} 1 4.6 243.°66 3.°0/ 3.9 17

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 28.23	+29 7.9	1.883	2.716	13.4	22.4
12 13	7 21.73	+29 45.1	1.796	2.704	10.0	22.2
12 23	7 12.49	+30 20.8	1.735	2.691	6.2	21.9
1 2	7 1.35	+30 49.5	1.701	2.678	3.1	21.7
1 12	6 49.62	+31 7.2	1.697	2.664	4.8	21.8
1 22	6 38.71	+31 12.0	1.721	2.650	8.7	22.0
2 1	6 29.92	+31 5.2	1.771	2.635	12.6	22.2
2 11	6 24.11	+30 49.6	1.843	2.620	15.9	22.4

412523 2014 MO_{34} 1 4.6 202.°57 0.°8/ 4.4 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 28.55	+23 12.3	1.933	2.761	13.3	21.4
12 13	7 21.73	+23 45.9	1.850	2.757	9.7	21.2
12 23	7 12.38	+24 22.7	1.793	2.752	5.7	20.9
1 2	7 1.33	+24 58.8	1.764	2.746	1.4	20.6
1 12	6 49.77	+25 30.2	1.766	2.739	3.6	20.8
1 22	6 39.00	+25 54.7	1.797	2.732	7.9	21.0
2 1	6 30.20	+26 11.8	1.855	2.724	11.9	21.2
2 11	6 24.16	+26 22.6	1.936	2.715	15.2	21.4

373063 2011 FC_{37} 1 4.6 4.°70 5.°3/ 6.0 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 20.98	+ 8 18.5	1.786	2.601	14.8	21.0
12 13	7 16.10	+ 8 3.4	1.713	2.601	11.6	20.8
12 23	7 9.06	+ 8 3.3	1.664	2.601	8.2	20.6
1 2	7 0.61	+ 8 19.0	1.640	2.602	5.6	20.4
1 12	6 51.83	+ 8 49.6	1.644	2.603	6.0	20.4
1 22	6 43.82	+ 9 32.2	1.675	2.605	8.8	20.6
2 1	6 37.57	+10 23.1	1.731	2.607	12.2	20.8
2 11	6 33.77	+11 18.2	1.810	2.609	15.3	21.0

218760 2005 VD_{110} 1 4.6 145.°71 2.°2/ 3.9 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 26.51	+27 44.0	2.233	3.061	11.8	21.0
12 13	7 19.88	+28 21.1	2.164	3.069	8.6	20.8
12 23	7 11.13	+28 56.9	2.121	3.077	5.2	20.6
1 2	7 1.04	+29 27.6	2.107	3.085	2.3	20.4
1 12	6 50.67	+29 49.9	2.123	3.092	3.8	20.5
1 22	6 41.12	+30 2.7	2.170	3.099	7.2	20.8
2 1	6 33.33	+30 6.4	2.244	3.105	10.4	21.0
2 11	6 27.97	+30 2.9	2.341	3.111	13.1	21.2

218374 2004 JT_{31} 1 4.6 126.°59 5.°2/ 3.3 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 31.68	+39 13.8	2.521	3.325	11.3	21.3
12 13	7 23.51	+39 59.3	2.465	3.346	8.8	21.2
12 23	7 13.14	+40 35.0	2.436	3.365	6.5	21.1
1 2	7 1.45	+40 55.9	2.436	3.384	5.2	21.0
1 12	6 49.63	+40 59.4	2.466	3.402	6.0	21.1
1 22	6 38.84	+40 45.7	2.525	3.419	8.0	21.2
2 1	6 30.04	+40 17.9	2.611	3.435	10.3	21.4
2 11	6 23.85	+39 40.1	2.720	3.451	12.4	21.6

424910 2008 WK_{82} 1 4.6 348.°87 1.°3/ 5.0 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 20.93	+17 41.8	1.839	2.676	13.5	20.5
12 13	7 16.16	+17 59.9	1.762	2.671	10.0	20.3
12 23	7 9.15	+18 26.0	1.709	2.667	6.0	20.1
1 2	7 0.66	+18 58.0	1.683	2.663	1.9	19.8
1 12	6 51.77	+19 33.1	1.685	2.660	3.4	19.9
1 22	6 43.63	+20 8.6	1.716	2.658	7.7	20.1
2 1	6 37.27	+20 42.3	1.773	2.656	11.5	20.4
2 11	6 33.41	+21 13.1	1.852	2.654	14.9	20.6

447039 2004 RQ_{48} 1 4.6 78.°90 0.°1/ 4.7 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 30.77	+20 59.0	1.478	2.315	16.2	21.1
12 13	7 23.33	+21 21.9	1.435	2.345	11.7	21.0
12 23	7 13.17	+21 49.5	1.415	2.375	6.7	20.7
1 2	7 1.46	+22 17.6	1.422	2.405	1.4	20.5
1 12	6 49.75	+22 42.7	1.458	2.434	3.8	20.7
1 22	6 39.51	+23 2.7	1.522	2.462	8.6	21.1
2 1	6 31.86	+23 17.6	1.612	2.490	12.8	21.4
2 11	6 27.40	+23 28.1	1.723	2.518	16.1	21.7

239409 2007 TL_{55} 1 4.6 203.°57 5.°0/ 3.1 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 25.81	+37 19.6	2.432	3.251	11.2	20.7
12 13	7 19.51	+38 9.6	2.359	3.250	8.7	20.5
12 23	7 11.00	+38 52.5	2.312	3.248	6.3	20.4
1 2	7 1.04	+39 23.0	2.293	3.247	5.0	20.3
1 12	6 50.73	+39 38.0	2.303	3.246	5.9	20.3
1 22	6 41.20	+39 36.5	2.342	3.245	8.2	20.5
2 1	6 33.47	+39 20.5	2.407	3.243	10.7	20.6
2 11	6 28.22	+38 53.5	2.495	3.242	13.0	20.8

44532 1998 YA_9 1 4.6 173.°19 3.°2/ 5.3 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 22.42	+13 19.1	2.332	3.145	11.8	19.1
12 13	7 16.70	+12 54.1	2.254	3.146	9.0	19.0
12 23	7 9.23	+12 36.3	2.202	3.147	5.9	18.8
1 2	7 0.66	+12 26.1	2.177	3.148	3.4	18.6
1 12	6 51.85	+12 23.3	2.183	3.149	4.1	18.7
1 22	6 43.70	+12 27.2	2.219	3.149	6.9	18.8
2 1	6 36.97	+12 36.7	2.281	3.149	10.0	19.0
2 11	6 32.25	+12 50.3	2.368	3.149	12.7	19.2

234169 2000 LR 1 4.6 228.°90 3.°4/ 3.8 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 29.62	+29 12.4	1.691	2.527	14.5	20.8
12 13	7 23.00	+30 0.4	1.611	2.519	10.8	20.5
12 23	7 13.35	+30 47.2	1.555	2.511	6.7	20.3
1 2	7 1.58	+31 26.3	1.527	2.502	3.5	20.0
1 12	6 49.18	+31 52.5	1.527	2.493	5.3	20.1
1 22	6 37.75	+32 3.5	1.555	2.484	9.5	20.4
2 1	6 28.70	+32 0.6	1.608	2.474	13.6	20.6
2 11	6 22.98	+31 47.5	1.683	2.463	17.1	20.8

409979 2006 VR_{93} 1 4.6 175.°05 5.°1/ 5.7 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 24.38	+ 7 47.4	2.234	3.029	12.9	22.2
12 13	7 18.16	+ 7 13.7	2.157	3.031	10.2	22.0
12 23	7 10.09	+ 6 51.4	2.104	3.033	7.3	21.9
1 2	7 0.84	+ 6 41.8	2.080	3.035	5.3	21.7
1 12	6 51.34	+ 6 45.1	2.085	3.036	5.7	21.8
1 22	6 42.51	+ 7 0.2	2.118	3.036	8.0	21.9
2 1	6 35.18	+ 7 24.9	2.179	3.036	10.9	22.1
2 11	6 29.96	+ 7 56.4	2.264	3.035	13.5	22.3

1292 Luce 1 4.6 314.°47 0.°3/ 4.7 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 25.25	+21 46.6	1.616	2.458	14.8	15.2
12 13	7 19.60	+21 47.7	1.539	2.452	10.9	15.0
12 23	7 11.26	+21 52.3	1.486	2.447	6.3	14.7
1 2	7 1.12	+21 58.1	1.460	2.442	1.4	14.4
1 12	6 50.54	+22 2.7	1.462	2.437	3.7	14.5
1 22	6 40.93	+22 5.0	1.491	2.433	8.6	14.8
2 1	6 33.51	+22 5.0	1.546	2.428	13.0	15.0
2 11	6 29.10	+22 3.2	1.621	2.424	16.6	15.3

252473 2001 UH_{21} 1 4.6 85.°68 4.°8/ 5.4 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 26.00	+10 59.2	1.841	2.653	14.5	19.9
12 13	7 19.45	+10 15.8	1.785	2.674	11.1	19.7
12 23	7 10.82	+ 9 43.4	1.754	2.694	7.6	19.5
1 2	7 0.98	+ 9 23.3	1.750	2.714	5.0	19.4
1 12	6 51.07	+ 9 15.7	1.774	2.734	5.6	19.5
1 22	6 42.16	+ 9 19.5	1.827	2.753	8.5	19.7
2 1	6 35.15	+ 9 32.7	1.906	2.772	11.7	19.9
2 11	6 30.61	+ 9 52.5	2.007	2.791	14.5	20.2

463224 2012 DG_{62} 1 4.6 318.°74 7.°9/ 3.8 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 30.96	+40 55.7	1.522	2.353	16.1	20.7
12 13	7 24.61	+41 27.1	1.442	2.335	13.0	20.5
12 23	7 14.51	+41 43.6	1.383	2.318	9.8	20.3
1 2	7 1.85	+41 36.5	1.348	2.301	7.9	20.1
1 12	6 48.56	+41 0.6	1.340	2.284	8.9	20.1
1 22	6 36.71	+39 57.2	1.356	2.269	12.1	20.3
2 1	6 28.00	+38 33.0	1.397	2.254	15.7	20.4
2 11	6 23.37	+36 57.2	1.457	2.239	19.2	20.6

451663 2013 AU_{12} 1 4.6 294.°22 1.°0/ 4.8 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 26.67	+20 47.6	1.443	2.288	16.1	21.1
12 13	7 20.93	+20 36.4	1.365	2.279	11.9	20.8
12 23	7 12.17	+20 29.3	1.310	2.270	7.0	20.5
1 2	7 1.35	+20 24.6	1.280	2.262	1.9	20.1
1 12	6 49.97	+20 20.6	1.278	2.253	4.2	20.3
1 22	6 39.64	+20 16.4	1.302	2.245	9.5	20.6
2 1	6 31.77	+20 12.1	1.351	2.237	14.2	20.8
2 11	6 27.24	+20 8.3	1.420	2.229	18.3	21.0

48287 2002 GE_{167} 1 4.6 187.°57 1.°7/ 4.9 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 27.27	+18 44.0	1.832	2.660	13.9	19.7
12 13	7 20.70	+18 28.7	1.755	2.660	10.3	19.5
12 23	7 11.74	+18 17.9	1.703	2.659	6.2	19.3
1 2	7 1.22	+18 10.9	1.678	2.658	2.2	19.0
1 12	6 50.37	+18 6.6	1.683	2.657	3.7	19.1
1 22	6 40.43	+18 4.3	1.717	2.655	8.0	19.4
2 1	6 32.47	+18 3.7	1.777	2.653	12.0	19.6
2 11	6 27.21	+18 4.7	1.860	2.650	15.3	19.8

152272 2005 SK_{217} 1 4.6 206.°20 5.°1/ 3.0 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 28.89	+36 32.2	2.267	3.085	11.9	19.8
12 13	7 21.96	+37 28.9	2.189	3.080	9.2	19.7
12 23	7 12.52	+38 18.8	2.137	3.076	6.6	19.5
1 2	7 1.41	+38 56.0	2.114	3.070	5.1	19.4
1 12	6 49.82	+39 16.3	2.120	3.064	6.2	19.4
1 22	6 39.05	+39 18.6	2.155	3.058	8.7	19.6
2 1	6 30.25	+39 4.7	2.216	3.051	11.5	19.8
2 11	6 24.20	+38 38.9	2.299	3.044	14.0	19.9

325774 2010 NR_{73} 1 4.6 43.°85 8.°8/ 4.3 17

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 35.16	+42 35.2	1.350	2.180	17.9	19.8
12 13	7 27.26	+43 17.2	1.317	2.207	14.2	19.6
12 23	7 15.63	+43 39.4	1.305	2.234	10.8	19.5
1 2	7 1.99	+43 33.4	1.316	2.263	8.9	19.5
1 12	6 48.62	+42 56.8	1.353	2.291	9.6	19.6
1 22	6 37.54	+41 54.3	1.415	2.321	12.2	19.8
2 1	6 30.06	+40 34.4	1.500	2.350	15.2	20.1
2 11	6 26.68	+39 6.5	1.605	2.380	18.0	20.3

258652 2002 EA_{66} 1 4.6 252.°37 2.°2/ 5.0 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 26.15	+17 0.0	1.786	2.614	14.2	21.5
12 13	7 20.13	+16 54.1	1.696	2.599	10.7	21.2
12 23	7 11.57	+16 55.3	1.629	2.585	6.6	20.9
1 2	7 1.23	+17 2.8	1.590	2.569	2.6	20.6
1 12	6 50.32	+17 14.9	1.581	2.554	4.0	20.7
1 22	6 40.13	+17 30.1	1.599	2.538	8.4	20.9
2 1	6 31.87	+17 47.0	1.644	2.521	12.6	21.1
2 11	6 26.39	+18 4.7	1.711	2.504	16.3	21.3

285547 2000 HL_{32} 1 4.6 205.°73 1.°4/ 4.3 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 29.42	+25 24.8	1.959	2.787	13.2	22.1
12 13	7 22.38	+25 50.7	1.875	2.782	9.7	21.8
12 23	7 12.79	+26 17.2	1.817	2.775	5.7	21.6
1 2	7 1.48	+26 40.4	1.787	2.768	1.8	21.3
1 12	6 49.68	+26 56.9	1.788	2.760	3.8	21.4
1 22	6 38.72	+27 5.2	1.818	2.752	8.0	21.7
2 1	6 29.76	+27 5.7	1.875	2.742	11.8	21.9
2 11	6 23.60	+27 0.4	1.955	2.732	15.1	22.1

442783 2012 XU_{136} 1 4.6 73.°74 0.°2/ 4.6 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 31.54	+23 11.4	1.312	2.157	17.4	21.3
12 13	7 24.20	+23 11.3	1.267	2.181	12.6	21.1
12 23	7 13.79	+23 13.1	1.244	2.205	7.2	20.8
1 2	7 1.64	+23 13.6	1.247	2.229	1.5	20.5
1 12	6 49.50	+23 10.4	1.277	2.253	4.2	20.8
1 22	6 39.03	+23 3.1	1.334	2.276	9.4	21.1
2 1	6 31.46	+22 53.1	1.416	2.300	13.9	21.5
2 11	6 27.40	+22 41.9	1.519	2.323	17.5	21.8

288962 2004 TM_{23} 1 4.6 305.°83 4.°6/ 5.3 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 25.05	+13 1.5	1.451	2.285	16.6	20.8
12 13	7 19.60	+12 29.4	1.377	2.279	12.7	20.5
12 23	7 11.35	+12 8.8	1.324	2.273	8.5	20.3
1 2	7 1.20	+12 0.9	1.296	2.268	5.0	20.1
1 12	6 50.55	+12 5.7	1.295	2.262	5.9	20.1
1 22	6 40.87	+12 21.5	1.320	2.257	10.0	20.3
2 1	6 33.47	+12 45.8	1.369	2.252	14.3	20.6
2 11	6 29.19	+13 15.5	1.439	2.247	18.1	20.8

224010 2005 GS_{99} 1 4.6 185.°46 3.°4/ 3.9 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 31.83	+29 6.2	1.571	2.408	15.4	20.9
12 13	7 24.69	+29 50.8	1.500	2.409	11.4	20.7
12 23	7 14.34	+30 33.4	1.452	2.408	7.1	20.4
1 2	7 1.84	+31 7.3	1.431	2.408	3.6	20.2
1 12	6 48.79	+31 27.2	1.439	2.406	5.4	20.3
1 22	6 36.94	+31 31.5	1.474	2.404	9.8	20.6
2 1	6 27.74	+31 22.3	1.535	2.402	14.0	20.8
2 11	6 22.08	+31 3.8	1.616	2.399	17.6	21.1

303994 2006 BN_{168} 1 4.6 181.°03 0.°0/ 4.5 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 28.21	+22 10.3	2.026	2.851	12.9	21.7
12 13	7 21.27	+22 20.7	1.948	2.853	9.4	21.4
12 23	7 12.04	+22 33.6	1.895	2.854	5.5	21.2
1 2	7 1.32	+22 46.3	1.871	2.854	1.2	20.9
1 12	6 50.26	+22 56.6	1.878	2.853	3.2	21.1
1 22	6 40.05	+23 3.3	1.915	2.852	7.4	21.3
2 1	6 31.71	+23 6.4	1.979	2.849	11.2	21.5
2 11	6 25.95	+23 6.7	2.066	2.847	14.3	21.8

161913 2007 EA 1 4.6 197.°59 2.°9/ 5.4 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 27.40	+14 2.5	1.727	2.549	14.9	21.5
12 13	7 21.00	+14 10.2	1.648	2.547	11.3	21.3
12 23	7 12.04	+14 29.0	1.593	2.544	7.1	21.1
1 2	7 1.35	+14 57.8	1.564	2.540	3.4	20.8
1 12	6 50.17	+15 34.0	1.565	2.536	4.4	20.9
1 22	6 39.83	+16 14.6	1.594	2.531	8.6	21.1
2 1	6 31.51	+16 56.7	1.650	2.526	12.7	21.3
2 11	6 26.01	+17 38.1	1.728	2.520	16.2	21.6

343218 2009 WR_{37} 1 4.6 35.°83 1.°8/ 4.8 17

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 27.76	+20 28.7	1.087	1.946	19.1	20.4
12 13	7 22.03	+19 56.9	1.035	1.956	14.1	20.1
12 23	7 12.83	+19 30.2	1.004	1.966	8.3	19.9
1 2	7 1.50	+19 7.9	0.997	1.978	2.6	19.6
1 12	6 49.97	+18 49.4	1.014	1.990	4.9	19.7
1 22	6 40.13	+18 34.6	1.056	2.003	10.6	20.1
2 1	6 33.39	+18 23.9	1.121	2.016	15.7	20.4
2 11	6 30.49	+18 16.9	1.204	2.030	19.9	20.7

327021 2004 RT_{209} 1 4.6 96.°08 4.°5/ 5.6 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 24.35	+10 17.7	2.071	2.878	13.3	20.9
12 13	7 18.14	+ 9 42.4	2.011	2.895	10.3	20.7
12 23	7 10.07	+ 9 17.6	1.975	2.912	7.1	20.5
1 2	7 0.89	+ 9 4.3	1.966	2.929	4.8	20.4
1 12	6 51.59	+ 9 2.4	1.987	2.945	5.2	20.5
1 22	6 43.14	+ 9 10.9	2.037	2.961	7.9	20.7
2 1	6 36.34	+ 9 27.8	2.113	2.977	10.8	20.9
2 11	6 31.75	+ 9 50.5	2.213	2.993	13.5	21.1

445969 2013 AP_{130} 1 4.6 5.°08 5.°3/ 3.8 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 27.58	+32 15.7	1.210	2.067	17.7	20.9
12 13	7 22.27	+33 0.6	1.150	2.067	13.3	20.7
12 23	7 13.20	+33 39.4	1.111	2.067	8.7	20.4
1 2	7 1.62	+34 3.7	1.095	2.068	5.5	20.2
1 12	6 49.54	+34 7.6	1.105	2.070	7.2	20.3
1 22	6 39.03	+33 50.8	1.139	2.073	11.6	20.6
2 1	6 31.76	+33 17.4	1.196	2.076	16.1	20.8
2 11	6 28.60	+32 33.9	1.271	2.080	20.0	21.1

388413 2006 WY_{157} 1 4.6 224.°54 1.°4/ 4.3 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 28.90	+23 29.2	1.429	2.274	16.2	21.1
12 13	7 22.74	+24 13.4	1.356	2.270	11.9	20.9
12 23	7 13.33	+25 2.9	1.305	2.266	7.0	20.6
1 2	7 1.66	+25 51.6	1.280	2.262	1.9	20.2
1 12	6 49.33	+26 33.7	1.283	2.257	4.6	20.4
1 22	6 38.09	+27 5.6	1.313	2.252	9.8	20.7
2 1	6 29.45	+27 26.8	1.368	2.247	14.6	21.0
2 11	6 24.40	+27 38.9	1.443	2.242	18.5	21.2

414222 2008 FZ_6 1 4.6 313.°01 6.°5/ 6.6 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 21.76	+ 5 16.9	1.633	2.443	16.2	20.6
12 13	7 17.04	+ 5 15.4	1.549	2.430	13.0	20.3
12 23	7 9.84	+ 5 34.3	1.486	2.418	9.6	20.1
1 2	7 0.91	+ 6 15.1	1.448	2.406	6.9	19.9
1 12	6 51.41	+ 7 16.3	1.437	2.394	7.0	19.9
1 22	6 42.59	+ 8 33.6	1.453	2.383	9.9	20.0
2 1	6 35.64	+10 0.9	1.494	2.372	13.6	20.2
2 11	6 31.42	+11 31.9	1.557	2.361	17.1	20.4

316700 1996 VQ_9 1 4.6 108.°91 1.°2/ 4.9 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 24.09	+17 43.0	1.951	2.780	13.2	20.9
12 13	7 18.29	+18 7.1	1.881	2.787	9.7	20.7
12 23	7 10.33	+18 38.5	1.836	2.793	5.8	20.5
1 2	7 0.98	+19 14.8	1.819	2.799	1.8	20.3
1 12	6 51.33	+19 53.0	1.831	2.806	3.3	20.4
1 22	6 42.47	+20 30.4	1.872	2.812	7.3	20.6
2 1	6 35.40	+21 5.1	1.941	2.818	11.0	20.9
2 11	6 30.77	+21 36.2	2.032	2.824	14.1	21.1

80116 1999 RZ_{109} 1 4.6 80.°39 1.°3/ 4.8 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 30.95	+21 4.6	1.297	2.142	17.5	19.3
12 13	7 23.89	+20 40.5	1.244	2.157	12.9	19.1
12 23	7 13.71	+20 20.0	1.213	2.173	7.5	18.8
1 2	7 1.69	+20 1.7	1.207	2.189	2.0	18.6
1 12	6 49.55	+19 44.7	1.229	2.205	4.4	18.8
1 22	6 38.99	+19 29.0	1.278	2.220	9.6	19.1
2 1	6 31.29	+19 15.5	1.350	2.235	14.3	19.4
2 11	6 27.12	+19 4.7	1.443	2.251	18.1	19.7

166224 2002 FH_9 1 4.6 308.°51 1.°0/ 4.8 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 25.36	+20 59.7	1.388	2.238	16.3	19.6
12 13	7 20.22	+20 47.2	1.304	2.220	12.2	19.3
12 23	7 11.93	+20 38.7	1.241	2.202	7.2	19.0
1 2	7 1.39	+20 32.5	1.203	2.185	1.9	18.6
1 12	6 50.12	+20 27.0	1.192	2.168	4.3	18.7
1 22	6 39.80	+20 21.2	1.207	2.151	9.9	19.0
2 1	6 31.95	+20 15.4	1.245	2.135	14.9	19.3
2 11	6 27.57	+20 10.1	1.304	2.119	19.2	19.5

423093 2003 YS_{127} 1 4.6 318.°11 2.°8/ 3.4 15

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 23.81	+25 22.7	1.904	2.743	13.0	20.8
12 13	7 18.64	+26 53.0	1.814	2.726	9.6	20.5
12 23	7 10.87	+28 29.6	1.750	2.709	5.8	20.2
1 2	7 1.16	+30 5.6	1.715	2.692	2.8	20.0
1 12	6 50.67	+31 33.7	1.709	2.676	4.8	20.1
1 22	6 40.70	+32 48.7	1.733	2.660	8.8	20.3
2 1	6 32.55	+33 47.9	1.783	2.645	12.6	20.5
2 11	6 27.20	+34 32.1	1.854	2.630	15.9	20.7

136392 2004 PL_{93} 1 4.6 174.°60 0.°7/ 4.8 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 24.85	+20 27.8	2.170	2.996	12.1	21.0
12 13	7 18.67	+20 29.0	2.093	2.998	8.9	20.8
12 23	7 10.49	+20 33.6	2.041	2.999	5.2	20.6
1 2	7 1.01	+20 39.9	2.018	3.000	1.3	20.3
1 12	6 51.27	+20 46.3	2.026	3.001	3.0	20.4
1 22	6 42.27	+20 51.8	2.063	3.001	6.9	20.7
2 1	6 34.92	+20 56.0	2.128	3.001	10.4	20.9
2 11	6 29.87	+20 59.1	2.216	3.001	13.3	21.1

75788 2000 AM_{214} 1 4.6 59.°83 0.°1/ 4.6 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 28.19	+22 49.9	1.458	2.302	16.0	19.3
12 13	7 21.61	+22 52.2	1.410	2.324	11.6	19.1
12 23	7 12.28	+22 56.8	1.385	2.346	6.7	18.9
1 2	7 1.38	+23 0.9	1.386	2.368	1.4	18.6
1 12	6 50.42	+23 2.1	1.415	2.391	3.8	18.8
1 22	6 40.88	+22 59.8	1.471	2.413	8.7	19.1
2 1	6 33.86	+22 54.6	1.553	2.436	12.9	19.4
2 11	6 30.00	+22 47.7	1.655	2.458	16.3	19.7

500279 2012 PL_9 1 4.6 197.°36 2.°9/ 5.4 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 21.69	+13 15.2	2.485	3.296	11.2	21.8
12 13	7 16.15	+13 2.2	2.403	3.294	8.5	21.6
12 23	7 8.95	+12 56.6	2.346	3.292	5.6	21.4
1 2	7 0.69	+12 58.3	2.318	3.290	3.1	21.2
1 12	6 52.18	+13 6.7	2.321	3.288	3.7	21.3
1 22	6 44.23	+13 20.7	2.353	3.285	6.5	21.4
2 1	6 37.60	+13 38.9	2.413	3.282	9.5	21.6
2 11	6 32.86	+13 59.8	2.498	3.279	12.1	21.8

286492 2002 AM_{209} 1 4.6 30.°84 1.°5/ 4.2 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 24.93	+22 58.8	1.638	2.481	14.6	20.5
12 13	7 19.42	+24 1.1	1.571	2.485	10.6	20.2
12 23	7 11.22	+25 8.9	1.528	2.490	6.2	20.0
1 2	7 1.21	+26 16.4	1.513	2.494	1.8	19.7
1 12	6 50.73	+27 17.6	1.526	2.499	4.1	19.9
1 22	6 41.20	+28 8.6	1.567	2.504	8.7	20.2
2 1	6 33.85	+28 47.7	1.633	2.509	12.8	20.4
2 11	6 29.51	+29 16.0	1.721	2.515	16.2	20.7

397211 2006 FP_{27} 1 4.6 153.°74 5.°1/ 3.3 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 32.30	+36 33.6	2.231	3.044	12.3	21.9
12 13	7 24.33	+37 28.3	2.166	3.055	9.4	21.7
12 23	7 13.84	+38 15.0	2.127	3.065	6.7	21.6
1 2	7 1.74	+38 47.8	2.117	3.073	5.1	21.5
1 12	6 49.33	+39 2.6	2.136	3.082	6.1	21.6
1 22	6 37.94	+38 59.3	2.185	3.089	8.6	21.7
2 1	6 28.68	+38 40.4	2.261	3.095	11.4	21.9
2 11	6 22.29	+38 10.4	2.359	3.101	13.8	22.1

282081 2000 NG 1 4.6 112.°57 0.°4/ 4.6 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 32.94	+24 42.9	1.877	2.701	13.8	21.1
12 13	7 24.50	+24 29.5	1.821	2.725	10.0	20.9
12 23	7 13.74	+24 15.0	1.791	2.749	5.8	20.7
1 2	7 1.68	+23 57.2	1.790	2.772	1.3	20.5
1 12	6 49.64	+23 35.3	1.820	2.794	3.4	20.7
1 22	6 38.88	+23 10.1	1.880	2.816	7.6	21.0
2 1	6 30.37	+22 43.3	1.967	2.836	11.3	21.2
2 11	6 24.70	+22 16.9	2.078	2.856	14.3	21.5

320961 2008 HL_{28} 1 4.6 328.°13 0.°9/ 4.8 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 24.19	+20 50.0	1.551	2.396	15.1	20.7
12 13	7 18.96	+20 41.4	1.473	2.387	11.2	20.4
12 23	7 10.99	+20 36.8	1.418	2.378	6.6	20.1
1 2	7 1.18	+20 34.7	1.389	2.370	1.7	19.8
1 12	6 50.88	+20 33.4	1.387	2.363	3.9	19.9
1 22	6 41.53	+20 31.8	1.412	2.355	8.8	20.2
2 1	6 34.40	+20 29.9	1.462	2.349	13.3	20.5
2 11	6 30.32	+20 27.9	1.534	2.343	17.1	20.7

272837 2006 BH_{10} 1 4.6 248.°12 0.°5/ 4.5 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 24.34	+23 39.3	2.032	2.866	12.5	21.2
12 13	7 18.52	+23 51.8	1.954	2.864	9.2	21.0
12 23	7 10.50	+24 5.9	1.902	2.861	5.3	20.7
1 2	7 1.05	+24 18.9	1.877	2.859	1.2	20.4
1 12	6 51.27	+24 28.5	1.882	2.857	3.2	20.6
1 22	6 42.28	+24 33.7	1.917	2.855	7.3	20.8
2 1	6 35.07	+24 34.4	1.978	2.852	10.9	21.0
2 11	6 30.32	+24 31.6	2.062	2.850	14.1	21.2

223747 2004 RA_{184} 1 4.6 108.°85 3.°8/ 5.6 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 23.25	+11 34.9	2.080	2.893	13.1	20.3
12 13	7 17.46	+11 20.7	2.012	2.902	10.0	20.1
12 23	7 9.76	+11 16.7	1.969	2.912	6.7	19.9
1 2	7 0.89	+11 23.0	1.953	2.922	4.0	19.7
1 12	6 51.80	+11 38.7	1.966	2.931	4.6	19.8
1 22	6 43.48	+12 1.9	2.009	2.940	7.5	20.0
2 1	6 36.76	+12 30.5	2.078	2.949	10.7	20.2
2 11	6 32.26	+13 2.1	2.171	2.957	13.5	20.4

175382 2006 JM_{15} 1 4.6 124.°01 1.°3/ 4.3 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 28.94	+24 54.3	1.867	2.698	13.6	21.3
12 13	7 21.90	+25 25.4	1.805	2.713	9.9	21.1
12 23	7 12.44	+25 57.3	1.768	2.727	5.7	20.9
1 2	7 1.46	+26 25.9	1.760	2.741	1.7	20.6
1 12	6 50.25	+26 47.8	1.781	2.754	3.7	20.8
1 22	6 40.09	+27 1.4	1.832	2.767	7.8	21.1
2 1	6 32.04	+27 7.3	1.909	2.779	11.5	21.3
2 11	6 26.78	+27 7.3	2.009	2.790	14.6	21.6

10564 1993 XQ_2 1 4.6 14.°94 4.°1/ 6.2 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 22.03	+ 9 51.1	1.447	2.278	16.8	16.4
12 13	7 17.37	+10 25.3	1.381	2.281	12.9	16.1
12 23	7 10.06	+11 19.2	1.337	2.285	8.5	15.9
1 2	7 0.99	+12 30.9	1.317	2.290	4.7	15.7
1 12	6 51.49	+13 55.3	1.325	2.296	5.2	15.7
1 22	6 42.93	+15 25.7	1.360	2.302	9.2	16.0
2 1	6 36.54	+16 55.8	1.420	2.310	13.4	16.3
2 11	6 33.12	+18 20.6	1.502	2.317	17.1	16.5

295308 2008 GU_{122} 1 4.6 251.°50 1.°1/ 4.4 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 25.64	+24 26.5	2.005	2.838	12.7	21.3
12 13	7 19.64	+24 51.5	1.917	2.826	9.3	21.1
12 23	7 11.27	+25 18.4	1.854	2.814	5.5	20.8
1 2	7 1.26	+25 43.7	1.820	2.801	1.5	20.5
1 12	6 50.74	+26 4.2	1.815	2.788	3.5	20.7
1 22	6 40.92	+26 18.2	1.839	2.775	7.7	20.9
2 1	6 32.92	+26 25.4	1.890	2.762	11.5	21.1
2 11	6 27.53	+26 27.0	1.964	2.748	14.8	21.3

102099 1999 RW_{158} 1 4.7 139.°42 0.°6/ 4.8 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 27.60	+19 54.8	1.979	2.804	13.2	20.9
12 13	7 20.77	+20 9.8	1.912	2.816	9.6	20.7
12 23	7 11.74	+20 29.3	1.870	2.828	5.6	20.5
1 2	7 1.33	+20 50.9	1.857	2.838	1.4	20.2
1 12	6 50.67	+21 12.2	1.874	2.849	3.2	20.4
1 22	6 40.92	+21 31.3	1.920	2.858	7.3	20.6
2 1	6 33.06	+21 47.5	1.994	2.867	11.0	20.9
2 11	6 27.73	+22 0.9	2.092	2.875	14.0	21.1

448255 2008 XJ_{17} 1 4.7 17.°30 2.°3/ 5.0 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 24.29	+18 8.4	1.167	2.025	18.2	20.7
12 13	7 19.47	+17 56.3	1.110	2.029	13.5	20.4
12 23	7 11.42	+17 53.3	1.073	2.034	8.2	20.2
1 2	7 1.29	+17 58.2	1.059	2.040	2.9	19.9
1 12	6 50.80	+18 8.7	1.071	2.046	4.8	20.0
1 22	6 41.68	+18 22.6	1.107	2.054	10.2	20.3
2 1	6 35.34	+18 38.3	1.167	2.063	15.2	20.6
2 11	6 32.58	+18 54.3	1.245	2.072	19.3	20.9

474015 2016 GU_3 1 4.7 243.°72 2.°3/ 5.4 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 22.09	+14 6.4	2.183	3.002	12.3	21.0
12 13	7 16.73	+14 25.2	2.101	2.999	9.2	20.8
12 23	7 9.43	+14 53.6	2.044	2.995	5.8	20.6
1 2	7 0.85	+15 30.1	2.014	2.991	2.7	20.4
1 12	6 51.91	+16 12.4	2.015	2.987	3.5	20.4
1 22	6 43.57	+16 57.8	2.045	2.983	6.9	20.6
2 1	6 36.72	+17 43.7	2.103	2.979	10.4	20.8
2 11	6 32.02	+18 28.1	2.185	2.974	13.3	21.0

353989 2000 QJ_{238} 1 4.7 351.°02 1.°5/ 4.4 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 24.15	+24 20.9	1.170	2.033	17.7	21.2
12 13	7 19.71	+24 48.5	1.104	2.027	13.1	20.9
12 23	7 11.77	+25 19.9	1.058	2.022	7.7	20.6
1 2	7 1.40	+25 49.7	1.037	2.019	2.1	20.3
1 12	6 50.42	+26 12.8	1.040	2.016	4.9	20.4
1 22	6 40.73	+26 26.4	1.068	2.014	10.7	20.7
2 1	6 33.97	+26 30.6	1.118	2.013	15.8	21.0
2 11	6 31.10	+26 27.5	1.187	2.013	20.1	21.3

245827 2006 JB_{46} 1 4.7 151.°39 2.°6/ 5.3 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 21.85	+14 31.1	2.477	3.291	11.2	20.5
12 13	7 16.25	+14 11.9	2.400	3.294	8.4	20.4
12 23	7 9.01	+13 58.9	2.349	3.297	5.4	20.2
1 2	7 0.75	+13 52.2	2.326	3.300	2.9	20.0
1 12	6 52.28	+13 51.4	2.334	3.302	3.6	20.1
1 22	6 44.43	+13 55.6	2.372	3.305	6.4	20.3
2 1	6 37.92	+14 4.0	2.438	3.307	9.4	20.5
2 11	6 33.30	+14 15.3	2.527	3.309	12.0	20.6

519610 2012 UN_{68} 1 4.7 133.°40 0.°3/ 4.7 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 32.37	+21 18.7	1.978	2.796	13.4	22.7
12 13	7 24.12	+21 28.8	1.917	2.818	9.8	22.5
12 23	7 13.59	+21 41.6	1.881	2.838	5.7	22.3
1 2	7 1.72	+21 54.3	1.876	2.858	1.2	22.0
1 12	6 49.72	+22 4.7	1.901	2.876	3.2	22.2
1 22	6 38.80	+22 11.8	1.958	2.893	7.4	22.5
2 1	6 29.95	+22 15.7	2.042	2.908	11.0	22.8
2 11	6 23.81	+22 17.4	2.149	2.923	14.0	23.0

309327 2007 SL_8 1 4.7 84.°76 0.°8/ 4.5 17

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 29.20	+23 22.4	1.597	2.435	15.1	21.3
12 13	7 22.26	+23 49.0	1.546	2.457	11.0	21.1
12 23	7 12.68	+24 18.0	1.519	2.479	6.3	20.9
1 2	7 1.53	+24 44.9	1.519	2.501	1.5	20.6
1 12	6 50.25	+25 6.4	1.547	2.522	3.8	20.8
1 22	6 40.25	+25 20.8	1.604	2.543	8.4	21.1
2 1	6 32.65	+25 28.5	1.687	2.564	12.4	21.4
2 11	6 28.10	+25 30.9	1.791	2.584	15.7	21.7

449583 2014 JQ_{31} 1 4.7 250.°61 5.°7/ 5.5 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 26.49	+10 26.1	1.509	2.331	16.7	21.3
12 13	7 20.66	+ 9 48.1	1.429	2.322	13.0	21.1
12 23	7 12.03	+ 9 23.2	1.370	2.313	9.1	20.8
1 2	7 1.46	+ 9 13.7	1.337	2.303	6.0	20.6
1 12	6 50.31	+ 9 20.1	1.331	2.293	6.7	20.6
1 22	6 40.03	+ 9 40.7	1.351	2.282	10.4	20.8
2 1	6 31.96	+10 12.7	1.396	2.272	14.6	21.0
2 11	6 26.96	+10 52.1	1.461	2.261	18.3	21.2

187898 2000 ST_{213} 1 4.7 48.°41 4.°2/ 6.0 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 23.69	+10 24.6	1.570	2.394	16.0	19.6
12 13	7 18.17	+10 38.9	1.520	2.416	12.2	19.5
12 23	7 10.31	+11 8.9	1.492	2.439	8.0	19.3
1 2	7 1.04	+11 53.1	1.490	2.461	4.6	19.1
1 12	6 51.62	+12 48.0	1.516	2.484	5.1	19.2
1 22	6 43.28	+13 49.0	1.570	2.508	8.6	19.5
2 1	6 37.03	+14 51.7	1.649	2.531	12.3	19.7
2 11	6 33.48	+15 52.5	1.750	2.555	15.5	20.0

414566 2009 SM_{320} 1 4.7 72.°57 5.°7/ 5.7 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 25.05	+ 8 26.9	1.855	2.661	14.7	20.8
12 13	7 18.78	+ 7 38.8	1.802	2.683	11.5	20.6
12 23	7 10.51	+ 7 3.8	1.773	2.706	8.2	20.5
1 2	7 1.07	+ 6 43.8	1.771	2.728	5.9	20.4
1 12	6 51.57	+ 6 38.9	1.797	2.750	6.3	20.5
1 22	6 43.04	+ 6 47.9	1.851	2.771	8.8	20.6
2 1	6 36.35	+ 7 8.0	1.931	2.793	11.8	20.9
2 11	6 32.05	+ 7 35.9	2.033	2.815	14.5	21.1

33936 Johnwells 1 4.7 221.°40 1.°8/ 5.1 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 24.49	+16 50.1	2.289	3.107	11.8	20.2
12 13	7 18.43	+16 51.0	2.199	3.098	8.8	20.0
12 23	7 10.42	+16 57.9	2.135	3.089	5.4	19.7
1 2	7 1.09	+17 9.7	2.100	3.079	2.1	19.5
1 12	6 51.38	+17 24.9	2.095	3.068	3.3	19.6
1 22	6 42.27	+17 42.3	2.121	3.057	6.8	19.8
2 1	6 34.64	+18 0.5	2.174	3.046	10.3	20.0
2 11	6 29.16	+18 18.8	2.252	3.033	13.2	20.1

15451 1998 XK_{42} 1 4.7 211.°96 2.°2/ 3.9 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 24.05	+27 21.5	2.336	3.166	11.2	17.5
12 13	7 18.22	+28 9.6	2.257	3.164	8.3	17.3
12 23	7 10.34	+28 57.9	2.204	3.161	5.0	17.1
1 2	7 1.08	+29 42.3	2.181	3.158	2.3	17.0
1 12	6 51.44	+30 19.0	2.188	3.156	3.8	17.0
1 22	6 42.43	+30 46.1	2.224	3.153	7.1	17.3
2 1	6 35.01	+31 3.4	2.288	3.150	10.2	17.4
2 11	6 29.86	+31 12.2	2.375	3.146	12.9	17.6

460245 2014 QS_{267} 1 4.7 108.°04 0.°8/ 4.5 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 29.00	+25 21.0	1.906	2.736	13.4	21.8
12 13	7 21.81	+25 19.1	1.845	2.752	9.7	21.6
12 23	7 12.32	+25 16.2	1.809	2.768	5.6	21.4
1 2	7 1.47	+25 9.8	1.802	2.784	1.4	21.1
1 12	6 50.52	+24 58.5	1.825	2.799	3.4	21.3
1 22	6 40.68	+24 42.3	1.877	2.814	7.5	21.6
2 1	6 32.92	+24 22.7	1.956	2.829	11.2	21.8
2 11	6 27.87	+24 1.4	2.059	2.843	14.2	22.0

299526 2006 DD_{17} 1 4.7 216.°70 3.°0/ 4.0 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 29.27	+28 47.1	1.651	2.489	14.7	21.2
12 13	7 22.74	+29 22.3	1.576	2.486	10.9	20.9
12 23	7 13.24	+29 55.7	1.525	2.482	6.7	20.7
1 2	7 1.73	+30 21.5	1.501	2.478	3.2	20.5
1 12	6 49.71	+30 35.4	1.505	2.474	5.0	20.6
1 22	6 38.75	+30 35.9	1.537	2.470	9.3	20.8
2 1	6 30.22	+30 24.8	1.595	2.465	13.4	21.0
2 11	6 24.97	+30 5.5	1.673	2.460	16.9	21.3

81592 2000 HU_{50} 1 4.7 163.°03 2.°8/ 5.3 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 24.77	+14 32.1	2.138	2.954	12.6	19.8
12 13	7 18.60	+14 20.1	2.063	2.958	9.5	19.6
12 23	7 10.47	+14 15.7	2.013	2.962	6.0	19.3
1 2	7 1.10	+14 18.5	1.991	2.965	3.1	19.2
1 12	6 51.47	+14 27.7	1.999	2.968	3.9	19.2
1 22	6 42.57	+14 41.7	2.037	2.971	7.2	19.4
2 1	6 35.29	+14 59.3	2.102	2.973	10.6	19.6
2 11	6 30.25	+15 19.0	2.191	2.975	13.5	19.8

77882 2001 SV_{124} 1 4.7 230.°44 1.°7/ 4.3 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 24.03	+27 55.2	2.510	3.337	10.6	19.6
12 13	7 18.02	+28 8.3	2.426	3.331	7.8	19.4
12 23	7 10.13	+28 19.5	2.368	3.324	4.7	19.2
1 2	7 1.03	+28 26.2	2.339	3.318	1.9	19.0
1 12	6 51.63	+28 26.5	2.340	3.311	3.3	19.1
1 22	6 42.88	+28 19.9	2.372	3.304	6.5	19.3
2 1	6 35.63	+28 7.0	2.431	3.296	9.6	19.4
2 11	6 30.50	+27 49.6	2.515	3.289	12.2	19.6

5618 Saitama 1 4.7 342.°75 4.°3/ 5.7 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 22.77	+12 29.4	1.153	2.004	18.9	17.1
12 13	7 18.59	+12 36.8	1.084	1.996	14.5	16.8
12 23	7 11.12	+13 3.1	1.034	1.989	9.4	16.5
1 2	7 1.33	+13 47.7	1.008	1.984	4.9	16.2
1 12	6 50.83	+14 46.7	1.006	1.979	5.8	16.3
1 22	6 41.42	+15 54.1	1.028	1.975	10.9	16.5
2 1	6 34.69	+17 3.9	1.073	1.971	16.0	16.8
2 11	6 31.64	+18 11.1	1.137	1.969	20.4	17.1

413516 2005 SS_{16} 1 4.7 50.°38 0.°7/ 4.8 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 24.85	+20 31.7	1.692	2.531	14.4	21.4
12 13	7 19.11	+20 36.3	1.628	2.539	10.5	21.1
12 23	7 10.93	+20 45.6	1.587	2.547	6.1	20.9
1 2	7 1.22	+20 57.2	1.573	2.555	1.5	20.6
1 12	6 51.24	+21 9.0	1.587	2.563	3.5	20.8
1 22	6 42.28	+21 19.4	1.630	2.571	8.0	21.1
2 1	6 35.39	+21 27.9	1.698	2.580	12.0	21.3
2 11	6 31.27	+21 34.5	1.788	2.589	15.4	21.6

489930 2008 RP_{24} 1 4.7 31.°84 7.°3/ 6.9 14 C

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 28.72	+ 7 13.7	0.720	1.582	25.9	19.2
12 13	7 22.55	+ 7 19.5	0.715	1.628	19.6	19.0
12 23	7 12.84	+ 7 57.0	0.726	1.676	13.2	18.9
1 2	7 1.52	+ 9 1.8	0.756	1.726	8.2	18.8
1 12	6 50.89	+10 24.3	0.808	1.777	8.2	19.1
1 22	6 42.77	+11 53.8	0.882	1.828	12.2	19.5
2 1	6 38.22	+13 21.4	0.977	1.881	16.7	19.9
2 11	6 37.55	+14 41.0	1.090	1.933	20.3	20.3

516976 2012 HM_1 1 4.7 180.°49 3.°4/ 5.4 18 C

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 30.66	+12 11.3	2.265	3.060	12.7	26.4
12 13	7 22.80	+12 0.2	2.181	3.063	9.7	26.2
12 23	7 12.88	+11 57.8	2.124	3.065	6.4	26.0
1 2	7 1.64	+12 3.8	2.096	3.066	3.7	25.8
1 12	6 50.07	+12 17.3	2.100	3.065	4.3	25.8
1 22	6 39.21	+12 36.9	2.136	3.062	7.4	26.0
2 1	6 30.00	+13 0.8	2.200	3.058	10.7	26.2
2 11	6 23.10	+13 27.5	2.289	3.053	13.6	26.4

192998 2000 DJ_{110} 1 4.7 9.°46 2.°2/ 5.3 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 21.28	+15 54.4	1.680	2.518	14.5	19.7
12 13	7 16.57	+16 6.0	1.611	2.520	10.8	19.5
12 23	7 9.51	+16 27.4	1.566	2.522	6.6	19.3
1 2	7 0.93	+16 57.2	1.546	2.525	2.7	19.0
1 12	6 52.00	+17 32.4	1.555	2.529	3.9	19.1
1 22	6 43.94	+18 10.2	1.591	2.534	8.1	19.4
2 1	6 37.80	+18 47.9	1.653	2.539	12.1	19.6
2 11	6 34.30	+19 23.6	1.736	2.545	15.5	19.9

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
365147	2009 DF_{62}		1 4.7	259.°04	3.°2/ 3.9	18
	h m	° ′			°	m
12 3	7 28.09	+29 17.8	1.670	2.509	14.5	21.5
12 13	7 21.90	+29 54.9	1.593	2.503	10.8	21.3
12 23	7 12.77	+30 30.0	1.540	2.497	6.7	21.0
1 2	7 1.65	+30 57.3	1.514	2.491	3.4	20.8
1 12	6 49.99	+31 12.3	1.516	2.484	5.1	20.9
1 22	6 39.34	+31 13.5	1.546	2.478	9.3	21.1
2 1	6 31.06	+31 2.5	1.601	2.471	13.3	21.4
2 11	6 26.02	+30 42.9	1.677	2.465	16.8	21.6
122720	2000 SD_{39}		1 4.7	351.°58	5.°8/ 3.0	18
12 3	7 24.80	+33 6.5	1.480	2.330	15.5	18.4
12 13	7 19.94	+34 20.5	1.413	2.324	11.8	18.2
12 23	7 11.84	+35 30.4	1.368	2.320	8.0	18.0
1 2	7 1.48	+36 27.6	1.349	2.316	5.8	17.8
1 12	6 50.48	+37 5.2	1.356	2.313	7.4	17.9
1 22	6 40.60	+37 20.6	1.389	2.311	11.0	18.1
2 1	6 33.38	+37 15.7	1.444	2.309	14.8	18.3
2 11	6 29.76	+36 55.6	1.519	2.309	18.2	18.6
27805	1993 FJ_{40}		1 4.7	341.°10	4.°3/ 5.6	18
12 3	7 24.90	+12 51.9	1.337	2.176	17.5	17.7
12 13	7 19.72	+12 41.6	1.267	2.173	13.4	17.5
12 23	7 11.58	+12 45.8	1.218	2.170	8.7	17.2
1 2	7 1.41	+13 4.6	1.194	2.168	4.7	17.0
1 12	6 50.71	+13 35.8	1.196	2.166	5.7	17.0
1 22	6 41.07	+14 16.1	1.223	2.164	10.1	17.3
2 1	6 33.86	+15 1.6	1.274	2.163	14.7	17.5
2 11	6 29.97	+15 48.5	1.346	2.162	18.7	17.8
394381	2007 EF_5		1 4.7	245.°01	3.°5/ 5.4	18
12 3	7 26.71	+13 31.7	1.588	2.414	15.8	21.8
12 13	7 20.82	+13 28.7	1.503	2.404	12.0	21.5
12 23	7 12.16	+13 37.8	1.441	2.392	7.8	21.2
1 2	7 1.55	+13 58.7	1.406	2.381	4.0	21.0
1 12	6 50.30	+14 29.2	1.398	2.369	5.0	21.0
1 22	6 39.85	+15 6.7	1.418	2.356	9.3	21.2
2 1	6 31.52	+15 47.9	1.463	2.343	13.7	21.5
2 11	6 26.22	+16 30.2	1.530	2.330	17.6	21.7
114321	2002 XP_{58}		1 4.7	351.°71	0.°5/ 4.6	18
12 3	7 28.76	+25 3.6	1.250	2.104	17.5	19.2
12 13	7 22.81	+24 42.2	1.183	2.101	12.9	18.9
12 23	7 13.43	+24 19.4	1.137	2.099	7.5	18.6
1 2	7 1.80	+23 52.6	1.115	2.098	1.7	18.3
1 12	6 49.76	+23 20.8	1.121	2.097	4.5	18.4
1 22	6 39.14	+22 45.3	1.151	2.096	10.2	18.8
2 1	6 31.47	+22 8.8	1.206	2.096	15.3	19.1
2 11	6 27.57	+21 34.2	1.279	2.096	19.5	19.3
205533	2001 SL_{134}		1 4.7	95.°92	1.°2/ 4.4	18
12 3	7 24.15	+26 13.0	2.425	3.252	10.9	20.8
12 13	7 18.00	+26 27.2	2.361	3.267	8.0	20.6
12 23	7 10.05	+26 40.6	2.324	3.282	4.6	20.4
1 2	7 1.03	+26 50.6	2.316	3.297	1.5	20.2
1 12	6 51.87	+26 55.4	2.339	3.311	3.0	20.4
1 22	6 43.49	+26 54.6	2.392	3.326	6.3	20.6
2 1	6 36.68	+26 48.6	2.472	3.340	9.3	20.8
2 11	6 31.98	+26 38.7	2.577	3.354	11.9	21.0
332181	2006 BM_{127}		1 4.7	96.°82	1.°0/ 4.9	18
12 3	7 23.75	+19 11.9	2.072	2.901	12.5	21.4
12 13	7 17.95	+19 18.3	2.003	2.908	9.2	21.2
12 23	7 10.14	+19 29.5	1.958	2.916	5.4	21.0
1 2	7 1.07	+19 43.8	1.942	2.923	1.6	20.8
1 12	6 51.76	+19 59.4	1.956	2.931	3.1	20.9
1 22	6 43.24	+20 14.7	1.999	2.938	6.9	21.2
2 1	6 36.42	+20 28.9	2.069	2.946	10.5	21.4
2 11	6 31.89	+20 41.6	2.163	2.953	13.4	21.6
330509	2007 MX_1		1 4.7	147.°89	4.°2/ 6.2	18
12 3	7 22.14	+ 7 44.0	2.481	3.274	11.8	22.0
12 13	7 16.47	+ 7 45.4	2.406	3.281	9.2	21.8
12 23	7 9.18	+ 7 58.7	2.357	3.288	6.5	21.6
1 2	7 0.87	+ 8 23.6	2.335	3.295	4.4	21.5
1 12	6 52.33	+ 8 59.1	2.344	3.301	4.6	21.5
1 22	6 44.38	+ 9 42.7	2.383	3.307	6.9	21.7
2 1	6 37.74	+10 31.8	2.450	3.313	9.6	21.9
2 11	6 32.95	+11 23.5	2.541	3.318	12.0	22.1
83289	2001 RR_{91}		1 4.7	324.°65	7.°6/ 6.9	18
12 3	7 19.60	+ 0 6.3	2.150	2.924	14.0	19.3
12 13	7 14.92	− 0 22.9	2.069	2.917	11.7	19.1
12 23	7 8.42	− 0 34.4	2.010	2.910	9.4	19.0
1 2	7 0.72	− 0 25.6	1.976	2.904	7.8	18.8
1 12	6 52.69	+ 0 3.8	1.970	2.898	7.8	18.8
1 22	6 45.22	+ 0 51.7	1.990	2.892	9.4	18.9
2 1	6 39.15	+ 1 54.2	2.036	2.886	11.8	19.1
2 11	6 35.11	+ 3 6.3	2.105	2.881	14.2	19.2

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
251092	2006 SW_{197}		1 4.7	42.°83	1.°7/ 4.9	17
	h m	° ′			°	m
12 3	7 25.84	+18 37.5	1.352	2.199	16.8	19.9
12 13	7 20.05	+18 32.0	1.306	2.220	12.3	19.6
12 23	7 11.51	+18 34.1	1.282	2.242	7.3	19.4
1 2	7 1.36	+18 41.8	1.284	2.264	2.4	19.2
1 12	6 51.13	+18 52.9	1.312	2.287	4.2	19.4
1 22	6 42.29	+19 5.4	1.367	2.311	9.0	19.7
2 1	6 35.96	+19 18.2	1.446	2.334	13.3	20.0
2 11	6 32.78	+19 30.5	1.546	2.359	16.8	20.3
351263	2004 RL_{178}		1 4.7	65.°73	2.°0/ 4.9	17
12 3	7 28.67	+18 45.6	1.352	2.195	17.1	20.9
12 13	7 22.14	+18 29.2	1.301	2.213	12.6	20.6
12 23	7 12.73	+18 19.6	1.273	2.232	7.5	20.4
1 2	7 1.62	+18 15.4	1.270	2.251	2.6	20.2
1 12	6 50.41	+18 15.1	1.295	2.270	4.3	20.3
1 22	6 40.64	+18 17.5	1.346	2.289	9.3	20.7
2 1	6 33.49	+18 21.8	1.422	2.308	13.7	21.0
2 11	6 29.63	+18 27.5	1.518	2.327	17.3	21.3
156710	2002 NA_{41}		1 4.7	264.°93	14.°6/10.7	18
12 3	7 27.44	−10 37.4	1.235	1.986	23.5	20.2
12 13	7 21.97	−10 46.1	1.158	1.977	20.8	19.9
12 23	7 13.13	−10 10.9	1.096	1.968	17.8	19.7
1 2	7 1.82	− 8 43.3	1.053	1.958	15.4	19.5
1 12	6 49.61	− 6 22.4	1.034	1.949	14.6	19.4
1 22	6 38.29	− 3 17.0	1.038	1.939	16.0	19.5
2 1	6 29.54	+ 0 16.7	1.065	1.929	19.0	19.6
2 11	6 24.47	+ 3 59.7	1.114	1.919	22.5	19.8
375589	2008 VJ_{20}		1 4.7	75.°55	0.°9/ 4.9	18
12 3	7 22.91	+19 26.5	2.133	2.962	12.2	21.6
12 13	7 17.31	+19 34.8	2.064	2.970	8.9	21.4
12 23	7 9.76	+19 47.9	2.020	2.978	5.2	21.2
1 2	7 1.00	+20 3.7	2.004	2.986	1.5	21.0
1 12	6 52.01	+20 20.5	2.019	2.994	3.0	21.1
1 22	6 43.79	+20 36.8	2.062	3.002	6.8	21.4
2 1	6 37.19	+20 51.6	2.133	3.010	10.2	21.6
2 11	6 32.81	+21 4.6	2.227	3.018	13.1	21.8
204424	2004 VR_{74}		1 4.7	357.°27	1.°4/ 4.9	18
12 3	7 22.96	+18 27.8	1.190	2.048	17.9	20.0
12 13	7 18.67	+18 43.2	1.125	2.045	13.3	19.7
12 23	7 11.12	+19 9.3	1.080	2.042	7.9	19.4
1 2	7 1.35	+19 43.3	1.059	2.041	2.3	19.0
1 12	6 51.02	+20 20.7	1.064	2.040	4.5	19.2
1 22	6 41.88	+20 57.5	1.093	2.041	10.2	19.5
2 1	6 35.45	+21 31.1	1.145	2.042	15.3	19.8
2 11	6 32.64	+22 0.1	1.216	2.045	19.5	20.1
7491	Linzerag		1 4.7	48.°66	0.°4/ 4.7	18
12 3	7 25.31	+22 1.6	1.717	2.556	14.2	17.3
12 13	7 19.39	+21 55.2	1.655	2.566	10.4	17.1
12 23	7 11.07	+21 51.2	1.616	2.576	6.0	16.9
1 2	7 1.29	+21 47.9	1.605	2.587	1.4	16.6
1 12	6 51.31	+21 43.8	1.622	2.598	3.4	16.8
1 22	6 42.39	+21 38.2	1.668	2.609	7.9	17.1
2 1	6 35.56	+21 31.4	1.739	2.620	11.8	17.3
2 11	6 31.47	+21 24.1	1.832	2.632	15.1	17.6
240296	2003 FJ_4		1 4.7	334.°73	16.°5/26.5	17
12 3	7 30.18	+46 36.6	1.089	1.930	20.4	19.4
12 13	7 26.89	+50 18.9	1.032	1.912	18.0	19.2
12 23	7 17.68	+53 49.0	0.996	1.896	16.6	19.1
1 2	7 3.09	+56 42.2	0.982	1.880	16.9	19.0
1 12	6 45.67	+58 38.6	0.988	1.866	18.8	19.1
1 22	6 29.48	+59 31.7	1.013	1.853	21.6	19.2
2 1	6 18.47	+59 29.0	1.053	1.842	24.5	19.4
2 11	6 14.84	+58 45.9	1.104	1.832	27.1	19.5
319662	2006 TZ_{34}		1 4.7	356.°05	3.°9/ 3.9	18
12 3	7 24.93	+29 47.3	1.366	2.221	16.2	19.9
12 13	7 20.03	+30 27.5	1.300	2.218	12.1	19.6
12 23	7 11.87	+31 5.2	1.256	2.215	7.5	19.4
1 2	7 1.52	+31 33.5	1.236	2.213	4.1	19.2
1 12	6 50.64	+31 47.5	1.243	2.212	5.9	19.3
1 22	6 41.01	+31 45.6	1.275	2.212	10.4	19.5
2 1	6 34.11	+31 29.9	1.331	2.212	14.7	19.8
2 11	6 30.82	+31 4.5	1.406	2.214	18.5	20.0
248952	2006 XB_5		1 4.7	49.°97	7.°8/ 7.3	18
12 3	7 22.83	+ 2 13.5	1.598	2.396	17.0	19.5
12 13	7 17.61	+ 1 57.5	1.539	2.407	13.9	19.3
12 23	7 10.08	+ 2 3.9	1.501	2.420	10.6	19.2
1 2	7 1.09	+ 2 34.5	1.487	2.432	8.2	19.1
1 12	6 51.85	+ 3 27.7	1.500	2.445	8.1	19.1
1 22	6 43.55	+ 4 38.8	1.539	2.458	10.4	19.2
2 1	6 37.23	+ 6 1.7	1.602	2.471	13.4	19.5
2 11	6 33.55	+ 7 29.5	1.688	2.485	16.3	19.7

160474 2006 JM_{31} 1 4.7 104.°76 5.°4/ 6.5 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 21.76	+ 3 30.3	2.699	3.471	11.5	20.3
12 13	7 15.97	+ 3 3.7	2.639	3.493	9.3	20.1
12 23	7 8.78	+ 2 49.7	2.605	3.515	7.1	20.0
1 2	7 0.79	+ 2 49.2	2.598	3.536	5.6	20.0
1 12	6 52.70	+ 3 2.1	2.621	3.557	5.7	20.0
1 22	6 45.23	+ 3 26.8	2.673	3.578	7.2	20.1
2 1	6 38.98	+ 4 0.8	2.753	3.597	9.2	20.3
2 11	6 34.41	+ 4 41.3	2.857	3.617	11.2	20.5

351716 2006 BM_{242} 1 4.7 284.°19 0.°1/ 4.7 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 26.37	+21 26.9	1.495	2.339	15.7	21.2
12 13	7 20.89	+21 51.2	1.411	2.325	11.6	20.9
12 23	7 12.36	+22 21.9	1.350	2.311	6.8	20.6
1 2	7 1.65	+22 55.2	1.315	2.297	1.5	20.2
1 12	6 50.20	+23 26.9	1.308	2.283	4.1	20.3
1 22	6 39.63	+23 53.6	1.327	2.269	9.4	20.6
2 1	6 31.40	+24 14.4	1.371	2.256	14.2	20.9
2 11	6 26.51	+24 29.5	1.436	2.242	18.3	21.1

281301 2007 RX_{291} 1 4.7 149.°56 1.°1/ 4.4 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 23.51	+25 28.2	2.387	3.216	11.0	21.1
12 13	7 17.68	+25 47.7	2.312	3.219	8.1	20.9
12 23	7 9.97	+26 7.4	2.263	3.222	4.7	20.7
1 2	7 1.07	+26 24.6	2.243	3.224	1.4	20.5
1 12	6 51.91	+26 37.0	2.253	3.226	3.0	20.6
1 22	6 43.44	+26 43.7	2.294	3.228	6.5	20.8
2 1	6 36.50	+26 44.8	2.361	3.230	9.6	21.0
2 11	6 31.70	+26 41.3	2.453	3.232	12.3	21.2

468398 2016 GW_{125} 1 4.7 348.°78 0.°0/ 4.6 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 23.39	+22 22.5	1.915	2.753	13.0	20.9
12 13	7 17.97	+22 30.5	1.840	2.751	9.5	20.6
12 23	7 10.29	+22 41.2	1.789	2.749	5.5	20.4
1 2	7 1.16	+22 52.2	1.765	2.747	1.2	20.1
1 12	6 51.68	+23 1.5	1.770	2.746	3.2	20.3
1 22	6 43.02	+23 7.8	1.804	2.745	7.5	20.5
2 1	6 36.19	+23 10.8	1.865	2.744	11.3	20.7
2 11	6 31.89	+23 11.2	1.947	2.743	14.5	21.0

89075 2001 TG_{158} 1 4.7 86.°44 0.°0/ 4.7 17

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 28.82	+20 42.9	1.453	2.294	16.2	20.3
12 13	7 22.31	+21 19.2	1.398	2.311	11.8	20.1
12 23	7 12.92	+22 1.9	1.366	2.327	6.8	19.8
1 2	7 1.72	+22 46.3	1.361	2.343	1.4	19.5
1 12	6 50.25	+23 27.4	1.383	2.359	3.9	19.7
1 22	6 40.06	+24 2.2	1.433	2.375	8.9	20.1
2 1	6 32.40	+24 29.6	1.509	2.390	13.3	20.4
2 11	6 28.00	+24 50.1	1.605	2.405	16.9	20.6

177368 2004 BH_{24} 1 4.7 275.°76 1.°1/ 4.9 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 25.20	+19 7.3	1.780	2.614	14.0	20.2
12 13	7 19.60	+19 15.7	1.688	2.596	10.4	20.0
12 23	7 11.43	+19 30.5	1.621	2.579	6.2	19.7
1 2	7 1.44	+19 49.7	1.580	2.561	1.8	19.4
1 12	6 50.83	+20 10.8	1.568	2.543	3.6	19.4
1 22	6 40.90	+20 31.7	1.584	2.525	8.3	19.7
2 1	6 32.88	+20 51.1	1.627	2.507	12.6	19.9
2 11	6 27.65	+21 8.4	1.691	2.488	16.3	20.1

113912 2002 TD_{282} 1 4.7 75.°16 1.°6/ 4.3 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 25.05	+26 56.7	2.164	2.995	11.9	19.6
12 13	7 18.83	+27 11.5	2.104	3.011	8.7	19.4
12 23	7 10.61	+27 24.8	2.070	3.028	5.1	19.2
1 2	7 1.20	+27 33.8	2.064	3.044	1.8	19.0
1 12	6 51.66	+27 36.4	2.088	3.060	3.4	19.2
1 22	6 43.02	+27 32.3	2.141	3.076	6.9	19.4
2 1	6 36.15	+27 22.4	2.222	3.092	10.1	19.6
2 11	6 31.63	+27 8.2	2.326	3.108	12.9	19.9

176764 2002 RO_{187} 1 4.7 41.°53 7.°9/ 4.2 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 33.96	+41 37.7	1.522	2.347	16.4	19.7
12 13	7 26.48	+42 8.3	1.466	2.355	13.1	19.6
12 23	7 15.44	+42 22.2	1.431	2.363	9.8	19.4
1 2	7 2.26	+42 11.6	1.422	2.372	7.9	19.3
1 12	6 48.95	+41 33.1	1.438	2.380	8.7	19.4
1 22	6 37.46	+40 29.8	1.481	2.389	11.5	19.6
2 1	6 29.23	+39 8.9	1.547	2.399	14.8	19.8
2 11	6 24.92	+37 39.4	1.634	2.409	17.7	20.0

426361 2013 NA_{11} 1 4.7 155.°83 3.°3/ 5.9 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 23.65	+10 24.5	2.339	3.141	12.1	21.7
12 13	7 17.70	+10 41.8	2.263	3.148	9.3	21.5
12 23	7 9.97	+11 10.5	2.212	3.154	6.2	21.3
1 2	7 1.09	+11 49.4	2.190	3.159	3.6	21.1
1 12	6 51.94	+12 36.6	2.199	3.165	4.0	21.2
1 22	6 43.40	+13 29.0	2.237	3.169	6.8	21.4
2 1	6 36.29	+14 23.8	2.305	3.173	9.9	21.6
2 11	6 31.19	+15 18.4	2.396	3.177	12.6	21.8

88357 2001 OX_{99} 1 4.7 118.°36 0.°3/ 4.8 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 30.31	+20 40.5	1.697	2.527	14.8	20.8
12 13	7 23.02	+21 0.6	1.639	2.545	10.8	20.6
12 23	7 13.18	+21 25.3	1.605	2.563	6.2	20.4
1 2	7 1.77	+21 51.3	1.599	2.581	1.4	20.1
1 12	6 50.18	+22 15.3	1.622	2.597	3.5	20.3
1 22	6 39.74	+22 35.3	1.675	2.613	8.1	20.6
2 1	6 31.57	+22 50.9	1.754	2.629	12.1	20.8
2 11	6 26.34	+23 2.6	1.855	2.643	15.4	21.1

87846 2000 SS_{209} 1 4.7 92.°92 1.°4/ 5.1 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 24.22	+17 0.7	1.928	2.755	13.4	19.8
12 13	7 18.44	+17 22.5	1.861	2.765	9.9	19.6
12 23	7 10.51	+17 52.1	1.818	2.774	5.9	19.4
1 2	7 1.22	+18 27.4	1.803	2.783	2.0	19.1
1 12	6 51.64	+19 5.3	1.817	2.792	3.3	19.3
1 22	6 42.89	+19 43.1	1.861	2.801	7.3	19.5
2 1	6 35.92	+20 18.8	1.932	2.810	11.0	19.8
2 11	6 31.40	+20 51.4	2.025	2.818	14.1	20.0

27763 1991 RN_{22} 1 4.7 150.°79 2.°8/ 4.1 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 32.11	+29 1.6	1.832	2.660	13.9	19.8
12 13	7 24.45	+29 36.0	1.766	2.670	10.3	19.6
12 23	7 14.08	+30 7.5	1.724	2.679	6.3	19.4
1 2	7 2.00	+30 31.0	1.711	2.688	3.0	19.2
1 12	6 49.61	+30 42.5	1.728	2.696	4.6	19.3
1 22	6 38.36	+30 41.5	1.774	2.703	8.5	19.6
2 1	6 29.42	+30 29.7	1.846	2.709	12.2	19.8
2 11	6 23.56	+30 10.7	1.941	2.715	15.3	20.1

319554 2006 SP_{14} 1 4.7 41.°95 13.°0/ 3.5 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 42.15	+54 28.5	1.623	2.400	17.7	20.7
12 13	7 33.36	+55 38.9	1.574	2.406	15.6	20.5
12 23	7 19.79	+56 23.0	1.545	2.412	13.8	20.4
1 2	7 3.23	+56 29.3	1.538	2.419	13.0	20.4
1 12	6 46.51	+55 52.5	1.554	2.425	13.5	20.5
1 22	6 32.37	+54 36.3	1.592	2.433	15.0	20.6
2 1	6 22.64	+52 50.8	1.652	2.440	17.0	20.7
2 11	6 17.96	+50 48.6	1.731	2.448	19.0	20.9

242587 2005 GP_{154} 1 4.7 212.°24 1.°6/ 5.2 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 21.62	+16 30.7	2.607	3.424	10.6	20.9
12 13	7 16.17	+16 39.1	2.522	3.420	7.9	20.7
12 23	7 9.08	+16 53.3	2.462	3.415	4.8	20.5
1 2	7 0.92	+17 12.2	2.432	3.410	1.9	20.3
1 12	6 52.48	+17 34.4	2.432	3.405	2.9	20.4
1 22	6 44.55	+17 58.3	2.463	3.400	6.0	20.6
2 1	6 37.87	+18 22.5	2.522	3.394	9.0	20.8
2 11	6 33.03	+18 46.1	2.606	3.388	11.6	20.9

7526 Ohtsuka 1 4.7 50.°21 2.°7/ 5.1 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 28.55	+17 13.6	1.245	2.090	18.1	17.0
12 13	7 22.04	+16 54.9	1.207	2.119	13.3	16.8
12 23	7 12.65	+16 45.7	1.190	2.148	8.0	16.6
1 2	7 1.66	+16 44.6	1.198	2.177	3.2	16.4
1 12	6 50.74	+16 50.0	1.233	2.207	4.7	16.6
1 22	6 41.44	+16 59.8	1.294	2.237	9.5	16.9
2 1	6 34.88	+17 12.6	1.379	2.267	13.8	17.3
2 11	6 31.64	+17 26.7	1.484	2.297	17.4	17.6

227577 2005 YO_{240} 1 4.7 16.°75 1.°3/ 4.4 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 25.00	+25 35.9	1.774	2.615	13.7	20.8
12 13	7 19.31	+25 49.2	1.705	2.617	10.1	20.6
12 23	7 11.14	+26 2.5	1.659	2.619	5.9	20.4
1 2	7 1.38	+26 12.5	1.640	2.621	1.7	20.1
1 12	6 51.31	+26 16.8	1.650	2.624	3.7	20.2
1 22	6 42.20	+26 14.3	1.687	2.626	8.0	20.5
2 1	6 35.17	+26 5.9	1.751	2.630	11.9	20.7
2 11	6 30.92	+25 53.3	1.837	2.633	15.2	21.0

492012 2013 FD_{23} 1 4.7 264.°31 3.°9/ 5.4 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 25.19	+13 24.6	1.667	2.494	15.2	21.5
12 13	7 19.56	+13 3.2	1.586	2.485	11.6	21.3
12 23	7 11.38	+12 52.1	1.528	2.477	7.6	21.0
1 2	7 1.47	+12 51.7	1.495	2.468	4.3	20.8
1 12	6 51.07	+13 1.6	1.491	2.460	5.1	20.8
1 22	6 41.47	+13 19.9	1.515	2.451	9.0	21.1
2 1	6 33.87	+13 44.6	1.563	2.442	13.1	21.3
2 11	6 29.08	+14 13.3	1.634	2.433	16.7	21.5

317157 2001 VS_{75} 1 4.7 138.°31 0.°7/ 4.8 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 29.77	+20 15.8	1.847	2.672	13.9	21.2
12 13	7 22.51	+20 23.1	1.782	2.686	10.2	21.0
12 23	7 12.87	+20 34.6	1.742	2.699	6.0	20.7
1 2	7 1.75	+20 47.9	1.730	2.711	1.5	20.5
1 12	6 50.41	+21 0.6	1.748	2.723	3.4	20.6
1 22	6 40.10	+21 11.4	1.796	2.734	7.7	20.9
2 1	6 31.86	+21 19.9	1.870	2.743	11.6	21.2
2 11	6 26.37	+21 26.5	1.968	2.753	14.8	21.4

254670 2005 LR_{25} 1 4.7 93.°72 1.°9/ 5.2 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 27.15	+16 52.2	1.907	2.730	13.7	21.3
12 13	7 20.39	+16 53.2	1.853	2.754	10.1	21.1
12 23	7 11.53	+17 1.1	1.824	2.778	6.1	20.9
1 2	7 1.45	+17 14.2	1.822	2.801	2.4	20.7
1 12	6 51.27	+17 30.8	1.851	2.824	3.5	20.8
1 22	6 42.11	+17 49.0	1.909	2.846	7.3	21.1
2 1	6 34.86	+18 7.7	1.994	2.868	10.9	21.4
2 11	6 30.10	+18 25.9	2.102	2.890	13.8	21.6

241577 1995 SK_{31} 1 4.7 183.°80 6.°2/ 6.6 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 20.33	+ 1 18.3	2.672	3.437	11.8	20.9
12 13	7 15.12	+ 0 46.7	2.592	3.437	9.7	20.8
12 23	7 8.43	+ 0 28.6	2.537	3.437	7.7	20.7
1 2	7 0.80	+ 0 25.9	2.509	3.437	6.4	20.6
1 12	6 52.94	+ 0 38.8	2.510	3.436	6.4	20.6
1 22	6 45.57	+ 1 6.1	2.538	3.435	7.9	20.7
2 1	6 39.37	+ 1 45.2	2.594	3.434	9.9	20.8
2 11	6 34.84	+ 2 32.7	2.673	3.433	11.9	20.9

519369 2011 OD_{31} 1 4.7 151.°07 1.°5/ 4.2 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 22.73	+26 36.3	2.711	3.537	10.0	22.1
12 13	7 16.97	+27 4.6	2.637	3.541	7.3	21.9
12 23	7 9.54	+27 32.6	2.588	3.546	4.3	21.7
1 2	7 1.04	+27 57.3	2.570	3.550	1.6	21.5
1 12	6 52.30	+28 16.7	2.583	3.553	3.0	21.6
1 22	6 44.16	+28 29.6	2.625	3.557	6.0	21.8
2 1	6 37.37	+28 36.1	2.697	3.560	8.8	22.0
2 11	6 32.48	+28 37.0	2.792	3.563	11.2	22.2

519446 2011 YL_{9} 1 4.7 25.°43 10.°6/30.5 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 34.11	+28 27.7	0.858	1.728	21.9	20.6
12 13	7 29.16	+32 56.5	0.809	1.732	16.7	20.3
12 23	7 18.58	+37 38.5	0.784	1.737	12.0	20.1
1 2	7 3.28	+42 0.5	0.784	1.743	10.8	20.1
1 12	6 45.89	+45 31.2	0.810	1.749	14.0	20.3
1 22	6 30.03	+47 56.0	0.857	1.757	18.7	20.5
2 1	6 19.01	+49 19.7	0.924	1.765	23.1	20.9
2 11	6 14.59	+49 57.6	1.003	1.774	26.7	21.2

100651 1997 WU_{10} 1 4.7 118.°69 3.°6/ 3.8 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 27.92	+30 38.9	1.874	2.708	13.4	20.6
12 13	7 21.46	+31 23.1	1.808	2.714	10.0	20.4
12 23	7 12.41	+32 3.9	1.766	2.720	6.3	20.2
1 2	7 1.69	+32 35.8	1.752	2.725	3.6	20.0
1 12	6 50.62	+32 54.8	1.767	2.731	5.1	20.1
1 22	6 40.55	+32 59.7	1.810	2.736	8.6	20.4
2 1	6 32.65	+32 52.0	1.879	2.741	12.1	20.6
2 11	6 27.67	+32 35.2	1.970	2.746	15.0	20.8

249187 2008 CB_{141} 1 4.7 88.°17 7.°1/ 6.9 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 24.34	+ 2 48.8	1.839	2.627	15.5	20.3
12 13	7 18.43	+ 2 28.0	1.782	2.645	12.5	20.1
12 23	7 10.46	+ 2 26.1	1.747	2.663	9.5	20.0
1 2	7 1.25	+ 2 44.7	1.737	2.680	7.4	19.9
1 12	6 51.87	+ 3 22.6	1.756	2.698	7.4	19.9
1 22	6 43.38	+ 4 16.3	1.801	2.715	9.4	20.1
2 1	6 36.68	+ 5 21.1	1.873	2.732	12.2	20.3
2 11	6 32.37	+ 6 31.6	1.967	2.749	14.8	20.5

33221 Raqueljacobson 1 4.7 170.°12 1.°2/ 4.5 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 31.83	+25 34.3	1.756	2.586	14.4	18.9
12 13	7 24.31	+25 44.9	1.684	2.590	10.5	18.7
12 23	7 14.06	+25 54.9	1.636	2.594	6.2	18.4
1 2	7 2.05	+26 0.7	1.616	2.597	1.7	18.1
1 12	6 49.71	+25 59.5	1.626	2.599	3.9	18.3
1 22	6 38.46	+25 50.8	1.665	2.601	8.4	18.6
2 1	6 29.53	+25 36.2	1.730	2.601	12.5	18.8
2 11	6 23.67	+25 18.0	1.818	2.601	15.9	19.0

73645 1978 VX_{2} 1 4.7 330.°59 6.°6/ 5.2 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 24.38	+ 9 51.4	1.548	2.371	16.3	18.6
12 13	7 19.02	+ 8 41.6	1.473	2.364	12.9	18.4
12 23	7 11.08	+ 7 43.2	1.420	2.358	9.3	18.1
1 2	7 1.43	+ 7 0.1	1.392	2.352	6.8	18.0
1 12	6 51.34	+ 6 34.6	1.391	2.346	7.4	18.0
1 22	6 42.16	+ 6 27.0	1.416	2.341	10.6	18.2
2 1	6 35.06	+ 6 35.2	1.465	2.337	14.3	18.4
2 11	6 30.83	+ 6 55.6	1.535	2.332	17.7	18.6

352730 2008 SX_{293} 1 4.7 96.°38 4.°6/ 3.7 17

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 32.30	+31 13.2	1.495	2.334	15.9	21.2
12 13	7 25.08	+32 13.6	1.443	2.351	11.9	21.0
12 23	7 14.65	+33 9.3	1.414	2.367	7.6	20.8
1 2	7 2.18	+33 52.3	1.411	2.383	4.7	20.6
1 12	6 49.43	+34 17.0	1.436	2.399	6.3	20.8
1 22	6 38.14	+34 22.6	1.489	2.414	10.1	21.0
2 1	6 29.70	+34 12.1	1.565	2.429	14.0	21.3
2 11	6 24.87	+33 50.5	1.663	2.444	17.2	21.6

146323 2001 LX_{18} 1 4.7 111.°38 1.°9/ 4.9 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 27.99	+18 11.6	2.044	2.864	13.0	19.2
12 13	7 20.90	+17 44.8	1.983	2.883	9.6	19.0
12 23	7 11.80	+17 22.0	1.947	2.901	5.8	18.8
1 2	7 1.53	+17 3.2	1.940	2.918	2.3	18.6
1 12	6 51.18	+16 47.9	1.963	2.935	3.5	18.7
1 22	6 41.79	+16 36.1	2.016	2.952	7.2	19.0
2 1	6 34.24	+16 27.5	2.097	2.968	10.6	19.2
2 11	6 29.09	+16 22.0	2.201	2.983	13.5	19.5

450018 2015 PN_{310} 1 4.7 86.°71 2.°6/ 4.1 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 32.07	+26 14.9	1.453	2.294	16.2	21.0
12 13	7 24.72	+27 8.9	1.407	2.318	11.8	20.8
12 23	7 14.33	+28 2.9	1.383	2.342	7.0	20.6
1 2	7 2.10	+28 50.0	1.386	2.366	2.8	20.4
1 12	6 49.70	+29 24.9	1.418	2.389	4.9	20.6
1 22	6 38.79	+29 45.6	1.477	2.412	9.4	20.9
2 1	6 30.64	+29 53.8	1.562	2.434	13.5	21.2
2 11	6 25.96	+29 52.5	1.667	2.456	16.8	21.5

455853 2005 UD_{13} 1 4.7 92.°58 2.°9/ 5.3 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 24.25	+15 4.7	1.869	2.694	13.8	21.6
12 13	7 18.53	+14 48.7	1.797	2.697	10.4	21.4
12 23	7 10.62	+14 40.8	1.748	2.700	6.6	21.2
1 2	7 1.31	+14 40.7	1.727	2.703	3.3	21.0
1 12	6 51.70	+14 47.6	1.735	2.705	4.2	21.0
1 22	6 42.92	+15 0.0	1.771	2.708	7.9	21.3
2 1	6 35.96	+15 16.4	1.833	2.711	11.5	21.5
2 11	6 31.47	+15 35.3	1.918	2.713	14.7	21.7

204211 2004 CX_{42} 1 4.7 292.°92 0.°6/ 4.9 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 21.88	+19 47.5	2.228	3.057	11.7	20.1
12 13	7 16.72	+20 3.5	2.139	3.045	8.6	19.9
12 23	7 9.58	+20 24.5	2.075	3.033	5.1	19.6
1 2	7 1.10	+20 48.5	2.039	3.020	1.3	19.3
1 12	6 52.21	+21 13.3	2.033	3.008	2.9	19.4
1 22	6 43.89	+21 37.0	2.056	2.996	6.8	19.7
2 1	6 37.05	+21 58.3	2.107	2.984	10.3	19.9
2 11	6 32.38	+22 17.0	2.182	2.972	13.3	20.0

325064 2008 CW_{208} 1 4.7 323.°76 7.°5/ 6.7 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 21.67	+ 3 59.2	1.586	2.393	16.7	20.6
12 13	7 17.08	+ 3 38.4	1.507	2.383	13.6	20.4
12 23	7 10.01	+ 3 38.2	1.448	2.373	10.3	20.1
1 2	7 1.22	+ 4 1.4	1.413	2.364	7.9	20.0
1 12	6 51.90	+ 4 47.4	1.405	2.355	8.0	20.0
1 22	6 43.31	+ 5 52.8	1.422	2.347	10.6	20.1
2 1	6 36.63	+ 7 11.7	1.464	2.339	14.1	20.3
2 11	6 32.71	+ 8 37.6	1.527	2.331	17.4	20.5

373827 2002 XD_{20} 1 4.7 20.°41 2.°0/ 4.4 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 24.03	+27 43.5	1.823	2.665	13.4	20.1
12 13	7 18.53	+27 54.7	1.759	2.671	9.8	19.9
12 23	7 10.66	+28 3.8	1.718	2.677	5.8	19.7
1 2	7 1.32	+28 7.5	1.704	2.684	2.2	19.5
1 12	6 51.75	+28 3.7	1.719	2.692	3.9	19.6
1 22	6 43.17	+27 52.0	1.762	2.700	7.9	19.8
2 1	6 36.63	+27 33.7	1.831	2.708	11.6	20.1
2 11	6 32.79	+27 11.2	1.922	2.717	14.7	20.3

64275 2001 TG_{213} 1 4.7 76.°79 4.°3/ 5.3 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 24.86	+12 50.8	1.810	2.631	14.4	19.4
12 13	7 19.00	+12 10.1	1.738	2.633	11.0	19.2
12 23	7 10.90	+11 38.5	1.690	2.636	7.4	19.0
1 2	7 1.38	+11 17.3	1.669	2.638	4.5	18.8
1 12	6 51.58	+11 6.8	1.677	2.641	5.2	18.9
1 22	6 42.65	+11 6.4	1.712	2.643	8.5	19.1
2 1	6 35.58	+11 14.6	1.773	2.646	12.1	19.3
2 11	6 31.04	+11 29.2	1.857	2.649	15.2	19.5

191095 2002 ER_{5} 1 4.7 245.°84 19.°1/10.8 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 26.27	−16 12.7	1.228	1.951	25.0	19.9
12 13	7 21.06	−17 38.7	1.167	1.946	23.0	19.7
12 23	7 12.59	−18 22.3	1.119	1.942	21.1	19.5
1 2	7 1.82	−18 12.4	1.087	1.937	19.6	19.4
1 12	6 50.33	−17 3.6	1.073	1.932	19.1	19.4
1 22	6 39.87	−14 59.5	1.078	1.926	19.9	19.4
2 1	6 32.01	−12 11.5	1.102	1.921	21.7	19.5
2 11	6 27.75	− 8 56.7	1.143	1.916	23.9	19.6

273195 2006 HG_{151} 1 4.7 230.°35 5.°1/ 5.9 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 21.76	+ 7 36.3	2.238	3.037	12.7	21.0
12 13	7 16.44	+ 7 8.5	2.158	3.034	10.1	20.8
12 23	7 9.33	+ 6 52.4	2.102	3.031	7.3	20.7
1 2	7 1.05	+ 6 49.4	2.073	3.028	5.3	20.5
1 12	6 52.47	+ 6 59.4	2.073	3.025	5.6	20.5
1 22	6 44.49	+ 7 21.1	2.101	3.022	7.9	20.7
2 1	6 37.93	+ 7 52.2	2.156	3.019	10.7	20.8
2 11	6 33.39	+ 8 29.6	2.235	3.015	13.4	21.0

334667 2002 XS_{110} 1 4.7 45.°99 2.°6/ 5.0 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 24.05	+17 5.3	1.968	2.795	13.1	19.7
12 13	7 18.15	+16 26.8	1.906	2.808	9.8	19.5
12 23	7 10.28	+15 53.5	1.868	2.822	6.1	19.3
1 2	7 1.23	+15 25.8	1.859	2.835	2.9	19.1
1 12	6 52.06	+15 3.9	1.878	2.849	3.9	19.2
1 22	6 43.80	+14 47.9	1.927	2.863	7.4	19.4
2 1	6 37.31	+14 37.4	2.002	2.878	10.8	19.7
2 11	6 33.14	+14 31.6	2.100	2.892	13.7	19.9

422295 2014 SQ_{158} 1 4.7 183.°82 2.°3/ 5.3 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 25.31	+15 17.0	2.142	2.958	12.6	21.3
12 13	7 19.12	+15 15.7	2.062	2.959	9.4	21.1
12 23	7 10.92	+15 21.9	2.008	2.959	5.9	20.8
1 2	7 1.40	+15 34.7	1.982	2.958	2.7	20.6
1 12	6 51.56	+15 52.7	1.986	2.957	3.6	20.7
1 22	6 42.41	+16 14.2	2.020	2.955	7.1	20.9
2 1	6 34.87	+16 37.5	2.081	2.953	10.6	21.1
2 11	6 29.60	+17 1.5	2.166	2.951	13.6	21.3

333674 2008 TC_{52} 1 4.7 223.°00 3.°7/ 5.3 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 23.25	+12 49.8	2.196	3.009	12.5	20.5
12 13	7 17.55	+12 15.3	2.116	3.007	9.5	20.3
12 23	7 9.97	+11 48.4	2.061	3.005	6.4	20.1
1 2	7 1.19	+11 29.9	2.033	3.002	3.9	20.0
1 12	6 52.14	+11 20.2	2.036	3.000	4.5	20.0
1 22	6 43.75	+11 18.6	2.067	2.997	7.4	20.2
2 1	6 36.87	+11 24.2	2.126	2.994	10.6	20.4
2 11	6 32.11	+11 35.3	2.208	2.991	13.4	20.6

420522 2012 FY_{58} 1 4.7 271.°90 7.°2/ 6.7 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 22.34	+ 2 35.6	1.945	2.732	14.8	21.1
12 13	7 17.19	+ 2 10.6	1.859	2.720	12.2	20.9
12 23	7 9.92	+ 2 3.4	1.795	2.709	9.5	20.7
1 2	7 1.21	+ 2 16.5	1.756	2.697	7.5	20.5
1 12	6 52.03	+ 2 50.1	1.744	2.685	7.6	20.5
1 22	6 43.44	+ 3 41.7	1.760	2.673	9.7	20.6
2 1	6 36.43	+ 4 47.1	1.802	2.661	12.6	20.8
2 11	6 31.75	+ 6 1.0	1.865	2.649	15.5	20.9

113649 2002 TX_{79} 1 4.7 11.°06 7.°5/ 1.7 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 27.69	+40 19.3	1.963	2.784	13.4	18.7
12 13	7 21.74	+41 58.3	1.901	2.786	10.8	18.5
12 23	7 12.84	+43 28.1	1.863	2.787	8.5	18.4
1 2	7 1.87	+44 39.9	1.853	2.790	7.5	18.3
1 12	6 50.26	+45 27.6	1.870	2.792	8.6	18.4
1 22	6 39.60	+45 49.2	1.913	2.795	10.8	18.5
2 1	6 31.28	+45 47.5	1.980	2.798	13.4	18.7
2 11	6 26.22	+45 27.7	2.068	2.802	15.7	18.9

329006 2010 XQ_{59} 1 4.7 189.°65 1.°3/ 5.2 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 23.78	+16 51.5	2.027	2.852	12.9	20.6
12 13	7 18.18	+17 20.8	1.949	2.852	9.5	20.4
12 23	7 10.46	+17 58.5	1.896	2.852	5.7	20.1
1 2	7 1.32	+18 42.2	1.871	2.851	1.9	19.9
1 12	6 51.79	+19 28.7	1.876	2.851	3.2	20.0
1 22	6 42.96	+20 14.9	1.910	2.850	7.2	20.2
2 1	6 35.78	+20 58.4	1.972	2.849	10.9	20.4
2 11	6 30.97	+21 38.0	2.057	2.849	14.0	20.6

190859 2001 SE_{278} 1 4.7 122.°29 2.°6/ 4.3 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 32.18	+28 54.0	1.649	2.482	14.9	19.9
12 13	7 24.64	+29 11.4	1.588	2.495	11.0	19.7
12 23	7 14.25	+29 25.1	1.551	2.508	6.6	19.5
1 2	7 2.12	+29 30.3	1.542	2.520	2.9	19.2
1 12	6 49.79	+29 24.2	1.561	2.532	4.6	19.4
1 22	6 38.79	+29 7.0	1.609	2.543	8.8	19.7
2 1	6 30.32	+28 41.3	1.683	2.554	12.8	19.9
2 11	6 25.11	+28 10.8	1.779	2.564	16.1	20.2

195810 2002 QP_{18} 1 4.7 54.°39 1.°3/ 4.4 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 24.35	+25 20.7	1.972	2.808	12.7	20.3
12 13	7 18.58	+25 43.4	1.909	2.819	9.3	20.1
12 23	7 10.64	+26 6.6	1.871	2.831	5.4	19.9
1 2	7 1.34	+26 26.8	1.861	2.842	1.6	19.6
1 12	6 51.82	+26 41.4	1.881	2.854	3.5	19.8
1 22	6 43.22	+26 49.3	1.929	2.866	7.3	20.0
2 1	6 36.47	+26 50.8	2.004	2.878	10.8	20.3
2 11	6 32.23	+26 47.1	2.101	2.890	13.8	20.5

193813 2001 PM_{52} 1 4.7 139.°42 3.°9/ 3.7 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 31.65	+30 6.8	1.654	2.488	14.9	20.4
12 13	7 24.49	+31 4.8	1.591	2.497	11.1	20.2
12 23	7 14.32	+32 0.1	1.552	2.506	7.0	20.0
1 2	7 2.17	+32 45.4	1.541	2.514	4.0	19.8
1 12	6 49.60	+33 15.3	1.558	2.522	5.6	19.9
1 22	6 38.23	+33 28.1	1.603	2.529	9.5	20.2
2 1	6 29.40	+33 25.8	1.673	2.535	13.3	20.4
2 11	6 23.94	+33 12.5	1.765	2.541	16.5	20.6

310167 2011 SD 1 4.7 121.°28 1.°2/ 4.9 16

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 29.17	+18 46.7	1.830	2.655	14.1	21.9
12 13	7 22.05	+18 53.7	1.770	2.673	10.3	21.7
12 23	7 12.61	+19 6.4	1.734	2.690	6.1	21.5
1 2	7 1.77	+19 22.4	1.726	2.707	1.8	21.3
1 12	6 50.74	+19 39.5	1.748	2.723	3.4	21.4
1 22	6 40.76	+19 56.0	1.800	2.738	7.7	21.7
2 1	6 32.83	+20 11.1	1.878	2.753	11.5	22.0
2 11	6 27.60	+20 24.6	1.980	2.767	14.6	22.2

65914 1998 FB_{32} 1 4.7 25.°05 4.°5/ 5.5 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 24.55	+13 8.9	1.335	2.175	17.4	18.4
12 13	7 19.39	+12 44.6	1.274	2.180	13.3	18.2
12 23	7 11.38	+12 33.5	1.233	2.185	8.7	17.9
1 2	7 1.54	+12 36.3	1.217	2.190	4.9	17.7
1 12	6 51.33	+12 51.8	1.227	2.197	5.8	17.8
1 22	6 42.28	+13 17.4	1.263	2.203	10.0	18.1
2 1	6 35.65	+13 49.8	1.322	2.211	14.3	18.3
2 11	6 32.21	+14 25.6	1.402	2.218	18.1	18.6

460601 2014 UO_{48} 1 4.7 334.°80 2.°0/ 5.1 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 24.14	+17 45.6	1.729	2.564	14.3	21.0
12 13	7 18.71	+17 35.8	1.653	2.560	10.7	20.8
12 23	7 10.86	+17 32.5	1.601	2.557	6.5	20.6
1 2	7 1.42	+17 34.9	1.575	2.555	2.5	20.3
1 12	6 51.60	+17 41.5	1.578	2.552	3.9	20.4
1 22	6 42.63	+17 50.9	1.609	2.550	8.2	20.6
2 1	6 35.63	+18 2.1	1.665	2.548	12.2	20.9
2 11	6 31.32	+18 14.2	1.743	2.546	15.7	21.1

130369 2000 GZ_{124} 1 4.7 111.°92 6.°5/ 7.4 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 21.17	− 3 17.2	3.094	3.826	11.0	20.4
12 13	7 15.45	− 3 53.1	3.037	3.849	9.3	20.3
12 23	7 8.51	− 4 14.8	3.003	3.872	7.7	20.2
1 2	7 0.87	− 4 20.5	2.997	3.895	6.7	20.1
1 12	6 53.15	− 4 10.2	3.019	3.917	6.7	20.2
1 22	6 45.96	− 3 45.2	3.069	3.938	7.6	20.3
2 1	6 39.82	− 3 8.0	3.146	3.959	9.0	20.4
2 11	6 35.17	− 2 21.9	3.247	3.980	10.6	20.5

389590 2011 FQ_{141} 1 4.7 216.°74 2.°1/ 5.3 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 28.08	+15 50.6	1.613	2.442	15.5	21.4
12 13	7 21.86	+16 8.3	1.532	2.436	11.6	21.2
12 23	7 12.85	+16 37.0	1.475	2.430	7.1	20.9
1 2	7 1.90	+17 14.5	1.444	2.423	2.7	20.6
1 12	6 50.34	+17 57.4	1.441	2.415	4.1	20.7
1 22	6 39.63	+18 42.0	1.467	2.407	8.9	20.9
2 1	6 31.08	+19 25.5	1.519	2.399	13.3	21.2
2 11	6 25.57	+20 6.1	1.593	2.390	17.1	21.4

495519 2014 VR_{20} 1 4.7 73.°02 1.°5/ 4.3 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 26.11	+24 52.1	1.834	2.671	13.5	21.0
12 13	7 20.00	+25 29.8	1.775	2.686	9.8	20.8
12 23	7 11.52	+26 8.9	1.741	2.701	5.7	20.6
1 2	7 1.57	+26 44.9	1.735	2.716	1.8	20.4
1 12	6 51.37	+27 14.3	1.758	2.731	3.7	20.6
1 22	6 42.17	+27 35.2	1.809	2.746	7.8	20.8
2 1	6 35.01	+27 47.5	1.887	2.761	11.5	21.1
2 11	6 30.56	+27 52.9	1.987	2.776	14.5	21.3

127227 2002 JS_{8} 1 4.7 192.°89 2.°6/ 5.7 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 23.01	+12 20.4	2.395	3.202	11.7	20.4
12 13	7 17.34	+12 45.1	2.311	3.201	8.9	20.2
12 23	7 9.87	+13 20.0	2.253	3.200	5.7	20.0
1 2	7 1.23	+14 3.8	2.224	3.198	2.9	19.9
1 12	6 52.24	+14 54.0	2.225	3.195	3.5	19.9
1 22	6 43.79	+15 47.9	2.257	3.192	6.5	20.1
2 1	6 36.70	+16 42.5	2.318	3.189	9.7	20.3
2 11	6 31.59	+17 35.7	2.403	3.186	12.5	20.5

58207 1992 EF_{14} 1 4.7 26.°96 4.°4/ 5.6 17

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 24.23	+13 23.3	1.140	1.990	19.0	18.6
12 13	7 19.48	+13 8.7	1.086	1.998	14.4	18.4
12 23	7 11.56	+13 9.8	1.053	2.007	9.3	18.1
1 2	7 1.61	+13 26.5	1.042	2.018	4.9	17.9
1 12	6 51.34	+13 56.2	1.057	2.029	5.9	18.0
1 22	6 42.43	+14 34.9	1.096	2.040	10.6	18.3
2 1	6 36.26	+15 18.4	1.157	2.053	15.3	18.6
2 11	6 33.60	+16 2.6	1.238	2.066	19.3	18.9

456078 2006 BE_{56} 1 4.7 301.°76 6.°0/ 6.8 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 21.59	+ 4 26.0	1.982	2.776	14.3	20.8
12 13	7 16.61	+ 4 25.8	1.899	2.769	11.5	20.6
12 23	7 9.59	+ 4 43.3	1.838	2.762	8.6	20.4
1 2	7 1.19	+ 5 19.3	1.803	2.755	6.3	20.3
1 12	6 52.37	+ 6 12.7	1.796	2.748	6.4	20.3
1 22	6 44.15	+ 7 20.0	1.817	2.741	8.7	20.4
2 1	6 37.48	+ 8 36.6	1.865	2.734	11.8	20.6
2 11	6 33.06	+ 9 57.2	1.936	2.727	14.7	20.7

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
321940 2010 TT_{129}			1 4.7	60.°71	2.°9/ 5.5	17
12 3	7 25.92	+14 15.2	1.558	2.388	15.8	20.7
12 13	7 19.91	+14 26.2	1.508	2.411	11.8	20.5
12 23	7 11.46	+14 48.8	1.481	2.434	7.3	20.3
1 2	7 1.57	+15 21.2	1.481	2.458	3.4	20.1
1 12	6 51.54	+16 0.0	1.508	2.481	4.3	20.2
1 22	6 42.67	+16 41.8	1.564	2.505	8.4	20.5
2 1	6 35.98	+17 23.7	1.645	2.528	12.3	20.8
2 11	6 32.12	+18 3.5	1.748	2.551	15.6	21.1
297483 2000 UA_{14}			1 4.7	118.°34	0.°6/ 4.6	18
12 3	7 30.22	+24 23.9	1.716	2.549	14.5	21.0
12 13	7 23.05	+24 25.4	1.654	2.562	10.6	20.8
12 23	7 13.29	+24 27.2	1.616	2.575	6.1	20.6
1 2	7 1.97	+24 26.2	1.606	2.588	1.4	20.3
1 12	6 50.47	+24 20.5	1.625	2.600	3.6	20.5
1 22	6 40.14	+24 9.9	1.673	2.611	8.1	20.8
2 1	6 32.10	+23 55.7	1.747	2.622	12.1	21.0
2 11	6 27.03	+23 39.5	1.843	2.633	15.4	21.3
473996 2016 FY_{19}			1 4.7	192.°43	0.°6/ 4.5	18
12 3	7 23.82	+22 12.2	2.181	3.011	11.9	20.6
12 13	7 18.18	+22 53.3	2.104	3.011	8.7	20.4
12 23	7 10.47	+23 38.5	2.051	3.011	5.0	20.2
1 2	7 1.38	+24 24.3	2.028	3.010	1.2	19.9
1 12	6 51.92	+25 7.1	2.035	3.009	3.1	20.0
1 22	6 43.11	+25 44.4	2.072	3.009	6.9	20.3
2 1	6 35.90	+26 15.0	2.136	3.008	10.4	20.5
2 11	6 30.99	+26 39.0	2.224	3.007	13.3	20.7
51113 2000 HZ_{28}			1 4.7	4.°44	4.°4/ 3.7	18
12 3	7 26.29	+34 58.0	2.148	2.974	12.2	19.0
12 13	7 20.15	+35 33.9	2.076	2.974	9.3	18.8
12 23	7 11.65	+36 3.0	2.029	2.974	6.4	18.6
1 2	7 1.63	+36 20.7	2.010	2.975	4.5	18.5
1 12	6 51.30	+36 23.6	2.020	2.975	5.5	18.5
1 22	6 41.86	+36 11.6	2.059	2.975	8.3	18.7
2 1	6 34.37	+35 46.6	2.123	2.976	11.3	18.9
2 11	6 29.54	+35 12.4	2.210	2.977	13.9	19.1
452473 2004 BT_{10}			1 4.7	8.°31	11.°5/ 7.9	18
12 3	7 17.95	+ 0 36.7	1.075	1.903	21.6	19.4
12 13	7 14.98	− 0 18.2	1.023	1.905	18.0	19.2
12 23	7 9.02	− 0 41.9	0.988	1.909	14.5	19.0
1 2	7 1.10	− 0 28.8	0.973	1.914	11.9	18.9
1 12	6 52.78	+ 0 21.5	0.979	1.922	11.7	18.9
1 22	6 45.64	+ 1 42.9	1.007	1.932	13.9	19.0
2 1	6 41.03	+ 3 25.4	1.056	1.943	17.2	19.3
2 11	6 39.75	+ 5 17.6	1.123	1.956	20.5	19.5
399560 2003 SC_{88}			1 4.7	61.°79	0.°8/ 4.6	18
12 3	7 30.22	+23 5.9	1.389	2.233	16.6	21.2
12 13	7 23.26	+23 31.9	1.349	2.262	12.1	21.0
12 23	7 13.45	+24 0.5	1.331	2.292	6.9	20.8
1 2	7 2.00	+24 27.1	1.340	2.322	1.6	20.6
1 12	6 50.56	+24 47.9	1.377	2.352	4.0	20.8
1 22	6 40.67	+25 1.4	1.440	2.381	8.9	21.2
2 1	6 33.47	+25 8.2	1.529	2.411	13.1	21.5
2 11	6 29.56	+25 9.8	1.639	2.440	16.5	21.8
194554 2001 XZ_{76}			1 4.7	89.°14	2.°6/ 4.1	17
12 3	7 30.53	+25 45.2	1.484	2.325	15.9	20.6
12 13	7 23.72	+26 46.6	1.431	2.343	11.6	20.3
12 23	7 13.89	+27 49.5	1.402	2.361	6.9	20.1
1 2	7 2.14	+28 46.7	1.399	2.378	2.8	19.9
1 12	6 50.08	+29 32.2	1.425	2.396	4.9	20.1
1 22	6 39.35	+30 3.4	1.478	2.412	9.4	20.4
2 1	6 31.26	+30 20.8	1.556	2.429	13.5	20.7
2 11	6 26.58	+30 27.5	1.656	2.445	16.9	20.9
338071 2002 PJ_{27}			1 4.7	81.°85	3.°3/ 5.6	18
12 3	7 29.91	+13 27.2	1.334	2.166	17.9	21.0
12 13	7 23.12	+13 41.5	1.287	2.190	13.4	20.8
12 23	7 13.43	+14 10.2	1.261	2.214	8.4	20.6
1 2	7 2.02	+14 50.9	1.261	2.238	3.9	20.4
1 12	6 50.47	+15 39.1	1.288	2.261	4.9	20.5
1 22	6 40.34	+16 30.4	1.343	2.284	9.4	20.9
2 1	6 32.84	+17 21.1	1.422	2.307	13.8	21.2
2 11	6 28.64	+18 8.6	1.523	2.329	17.4	21.5
256760 2008 BA_{39}			1 4.7	318.°56	10.°8/ 2.4	18
12 3	7 32.17	+45 45.5	1.500	2.320	16.9	19.3
12 13	7 26.23	+46 57.9	1.423	2.300	14.2	19.1
12 23	7 16.02	+47 53.9	1.366	2.280	11.9	18.9
1 2	7 2.71	+48 21.5	1.333	2.260	10.8	18.8
1 12	6 48.44	+48 12.6	1.324	2.242	11.8	18.8
1 22	6 35.67	+47 26.7	1.338	2.224	14.3	18.9
2 1	6 26.42	+46 10.6	1.374	2.206	17.4	19.0
2 11	6 21.82	+44 34.9	1.428	2.190	20.4	19.2

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
25073 Lautakshing			1 4.7	90.°13	1.°6/ 5.1	18
12 3	7 26.38	+18 12.5	1.690	2.523	14.7	18.7
12 13	7 20.28	+18 12.2	1.626	2.532	10.8	18.5
12 23	7 11.74	+18 18.5	1.585	2.542	6.5	18.2
1 2	7 1.67	+18 29.8	1.572	2.552	2.2	18.0
1 12	6 51.34	+18 43.9	1.587	2.561	3.7	18.1
1 22	6 42.02	+18 59.1	1.630	2.571	8.1	18.4
2 1	6 34.79	+19 14.4	1.699	2.580	12.1	18.6
2 11	6 30.33	+19 28.9	1.791	2.590	15.5	18.9
404930 2014 LF_{20}			1 4.7	193.°63	3.°3/ 5.4	18
12 3	7 27.07	+13 46.1	1.780	2.600	14.6	21.8
12 13	7 20.79	+13 37.1	1.702	2.599	11.1	21.6
12 23	7 12.09	+13 38.1	1.648	2.597	7.1	21.4
1 2	7 1.76	+13 48.9	1.620	2.595	3.7	21.2
1 12	6 51.02	+14 7.9	1.622	2.592	4.6	21.2
1 22	6 41.10	+14 33.1	1.653	2.589	8.4	21.4
2 1	6 33.12	+15 2.3	1.709	2.585	12.3	21.7
2 11	6 27.84	+15 33.4	1.788	2.580	15.7	21.9
373256 2012 GC_{33}			1 4.7	171.°85	1.°7/ 4.2	18
12 3	7 25.94	+27 10.7	2.457	3.281	10.9	21.3
12 13	7 19.52	+27 38.8	2.380	3.284	8.0	21.1
12 23	7 11.15	+28 6.0	2.330	3.287	4.8	20.9
1 2	7 1.54	+28 29.1	2.310	3.289	1.9	20.7
1 12	6 51.65	+28 45.4	2.320	3.290	3.3	20.8
1 22	6 42.44	+28 54.0	2.361	3.292	6.6	21.1
2 1	6 34.79	+28 55.1	2.430	3.292	9.7	21.2
2 11	6 29.33	+28 50.3	2.522	3.292	12.3	21.4
206010 2002 PS_{119}			1 4.7	194.°30	5.°7/ 6.8	18
12 3	7 21.31	+ 3 36.2	2.380	3.161	12.6	20.5
12 13	7 16.06	+ 3 26.1	2.300	3.160	10.2	20.4
12 23	7 9.13	+ 3 30.8	2.243	3.159	7.7	20.2
1 2	7 1.10	+ 3 51.2	2.213	3.157	6.0	20.1
1 12	6 52.79	+ 4 26.7	2.212	3.156	6.0	20.1
1 22	6 45.02	+ 5 15.0	2.240	3.154	7.9	20.2
2 1	6 38.56	+ 6 12.8	2.295	3.152	10.4	20.4
2 11	6 33.98	+ 7 16.1	2.374	3.150	12.8	20.5
408170 2013 CP_{181}			1 4.7	240.°86	0.°5/ 4.8	18
12 3	7 27.50	+20 57.7	1.818	2.649	13.9	21.8
12 13	7 21.26	+21 2.0	1.731	2.638	10.3	21.6
12 23	7 12.45	+21 10.2	1.668	2.626	6.0	21.3
1 2	7 1.87	+21 20.2	1.632	2.614	1.5	20.9
1 12	6 50.74	+21 29.5	1.626	2.601	3.5	21.1
1 22	6 40.39	+21 36.9	1.649	2.588	8.1	21.3
2 1	6 32.01	+21 41.9	1.698	2.575	12.3	21.5
2 11	6 26.44	+21 45.0	1.769	2.561	15.9	21.7
409465 2005 SG_{21}			1 4.7	52.°88	2.°0/ 4.4	18
12 3	7 26.96	+27 26.5	1.712	2.552	14.2	20.8
12 13	7 20.82	+27 41.1	1.649	2.560	10.4	20.6
12 23	7 12.09	+27 53.8	1.609	2.568	6.2	20.4
1 2	7 1.76	+28 0.9	1.597	2.577	2.3	20.1
1 12	6 51.17	+27 59.6	1.613	2.586	4.1	20.3
1 22	6 41.70	+27 49.7	1.657	2.594	8.3	20.5
2 1	6 34.46	+27 32.6	1.727	2.603	12.2	20.8
2 11	6 30.16	+27 10.9	1.819	2.613	15.4	21.0
495172 2012 JK_{26}			1 4.7	291.°53	14.°8/ 8.1	18
12 3	7 21.65	−17 35.3	2.001	2.670	18.0	21.1
12 13	7 16.80	−19 0.1	1.923	2.654	16.8	20.9
12 23	7 9.80	−19 57.0	1.862	2.639	15.7	20.8
1 2	7 1.29	−20 18.9	1.820	2.623	14.9	20.7
1 12	6 52.27	−20 2.1	1.799	2.607	14.9	20.7
1 22	6 43.81	−19 6.9	1.799	2.592	15.5	20.7
2 1	6 36.91	−17 38.0	1.818	2.576	16.7	20.7
2 11	6 32.36	−15 43.5	1.856	2.561	18.2	20.8
455821 2005 SU_{240}			1 4.7	86.°47	2.°4/ 4.3	18
12 3	7 27.41	+28 38.9	1.847	2.683	13.5	21.4
12 13	7 21.07	+28 56.0	1.779	2.687	10.0	21.1
12 23	7 12.23	+29 10.2	1.734	2.692	6.0	20.9
1 2	7 1.80	+29 17.7	1.718	2.696	2.6	20.7
1 12	6 51.09	+29 15.8	1.730	2.700	4.2	20.8
1 22	6 41.40	+29 4.2	1.771	2.705	8.1	21.1
2 1	6 33.83	+28 44.5	1.838	2.709	11.8	21.3
2 11	6 29.10	+28 19.6	1.927	2.714	15.0	21.5
321026 2008 MD_{2}			1 4.7	145.°76	4.°3/ 6.0	18
12 3	7 23.44	+ 9 23.7	2.122	2.926	13.1	21.2
12 13	7 17.76	+ 9 16.2	2.048	2.931	10.2	21.0
12 23	7 10.16	+ 9 20.7	1.999	2.936	7.0	20.9
1 2	7 1.35	+ 9 37.5	1.977	2.941	4.6	20.7
1 12	6 52.26	+10 5.4	1.984	2.945	4.9	20.7
1 22	6 43.86	+10 42.0	2.020	2.949	7.6	20.9
2 1	6 37.00	+11 24.6	2.084	2.953	10.7	21.1
2 11	6 32.31	+12 10.1	2.171	2.957	13.5	21.3

94592 2001 VV_{60} 1 4.7 133.°48 0.°4/ 4.7 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 29.34	+23 51.7	1.519	2.360	15.6	20.4
12 13	7 22.83	+23 50.2	1.451	2.363	11.5	20.2
12 23	7 13.39	+23 49.8	1.405	2.366	6.7	19.9
1 2	7 2.07	+23 47.4	1.386	2.368	1.5	19.6
1 12	6 50.39	+23 40.9	1.395	2.370	3.9	19.8
1 22	6 39.90	+23 29.8	1.432	2.373	8.9	20.1
2 1	6 31.89	+23 15.4	1.493	2.375	13.4	20.3
2 11	6 27.15	+22 59.4	1.576	2.377	17.1	20.6

82051 2000 SQ_{314} 1 4.7 251.°33 5.°0/ 5.4 17

12 3	7 22.22	+ 7 39.8	2.630	3.419	11.3	19.5
12 13	7 16.61	+ 6 46.8	2.539	3.409	9.0	19.3
12 23	7 9.42	+ 6 2.4	2.474	3.398	6.7	19.1
1 2	7 1.19	+ 5 28.4	2.438	3.387	5.1	19.0
1 12	6 52.68	+ 5 6.1	2.432	3.377	5.5	19.0
1 22	6 44.66	+ 4 55.6	2.455	3.365	7.4	19.1
2 1	6 37.84	+ 4 55.9	2.505	3.354	9.9	19.3
2 11	6 32.77	+ 5 5.0	2.579	3.343	12.2	19.4

436349 2010 JK_{77} 1 4.7 243.°64 7.°1/ 7.8 17

12 3	7 20.28	− 5 15.1	2.990	3.714	11.5	22.4
12 13	7 15.11	− 5 29.9	2.893	3.698	9.9	22.3
12 23	7 8.53	− 5 28.3	2.818	3.682	8.4	22.2
1 2	7 1.00	− 5 8.6	2.770	3.665	7.3	22.1
1 12	6 53.16	− 4 30.3	2.750	3.648	7.2	22.0
1 22	6 45.68	− 3 35.1	2.758	3.631	8.2	22.1
2 1	6 39.19	− 2 26.0	2.793	3.613	9.9	22.2
2 11	6 34.21	− 1 7.2	2.853	3.595	11.7	22.3

408036 2012 FE_{49} 1 4.7 101.°71 2.°3/ 5.4 18

12 3	7 24.42	+15 27.5	1.904	2.729	13.6	21.1
12 13	7 18.67	+15 33.1	1.834	2.735	10.2	20.9
12 23	7 10.77	+15 47.4	1.789	2.742	6.3	20.6
1 2	7 1.49	+16 9.1	1.771	2.749	2.7	20.4
1 12	6 51.93	+16 36.0	1.783	2.756	3.7	20.5
1 22	6 43.18	+17 5.9	1.823	2.762	7.5	20.8
2 1	6 36.22	+17 36.6	1.890	2.769	11.2	21.0
2 11	6 31.71	+18 6.7	1.980	2.775	14.3	21.2

73249 2002 JG_{41} 1 4.7 167.°61 1.°4/ 4.4 18

12 3	7 28.87	+25 39.0	2.061	2.888	12.6	20.6
12 13	7 21.92	+26 4.3	1.988	2.893	9.3	20.4
12 23	7 12.66	+26 29.8	1.939	2.897	5.4	20.2
1 2	7 1.91	+26 51.6	1.920	2.900	1.7	19.9
1 12	6 50.83	+27 7.0	1.931	2.903	3.5	20.1
1 22	6 40.61	+27 14.5	1.972	2.905	7.4	20.3
2 1	6 32.29	+27 14.9	2.040	2.907	11.0	20.6
2 11	6 26.58	+27 9.7	2.131	2.908	14.0	20.8

356971 1991 TK_{2} 1 4.7 78.°22 5.°6/ 6.7 18

12 3	7 28.10	+ 4 47.1	2.182	2.959	13.7	20.4
12 13	7 20.67	+ 4 26.7	2.144	3.004	10.8	20.3
12 23	7 11.58	+ 4 20.9	2.131	3.049	7.9	20.2
1 2	7 1.62	+ 4 30.3	2.145	3.092	5.9	20.2
1 12	6 51.74	+ 4 53.7	2.190	3.135	6.0	20.3
1 22	6 42.84	+ 5 28.5	2.264	3.176	7.9	20.4
2 1	6 35.63	+ 6 11.3	2.366	3.217	10.3	20.7
2 11	6 30.55	+ 6 58.6	2.491	3.256	12.6	20.9

201697 2003 UX_{131} 1 4.7 51.°43 1.°1/ 4.9 18

12 3	7 24.46	+20 27.0	1.976	2.808	12.9	19.7
12 13	7 18.61	+20 10.1	1.908	2.815	9.5	19.5
12 23	7 10.68	+19 56.1	1.865	2.823	5.6	19.3
1 2	7 1.47	+19 44.2	1.849	2.831	1.6	19.0
1 12	6 52.06	+19 33.6	1.864	2.839	3.2	19.1
1 22	6 43.53	+19 24.0	1.907	2.847	7.2	19.4
2 1	6 36.79	+19 15.4	1.977	2.855	10.8	19.6
2 11	6 32.45	+19 7.9	2.070	2.863	13.8	19.9

334190 2001 SQ_{199} 1 4.7 270.°81 8.°0/ 2.2 18

12 3	7 31.93	+47 37.9	2.442	3.228	12.2	19.9
12 13	7 24.66	+48 35.6	2.360	3.211	10.3	19.8
12 23	7 14.50	+49 19.8	2.301	3.194	8.7	19.6
1 2	7 2.36	+49 43.6	2.269	3.177	8.0	19.6
1 12	6 49.65	+49 42.6	2.264	3.160	8.7	19.6
1 22	6 37.89	+49 16.4	2.286	3.143	10.4	19.6
2 1	6 28.42	+48 28.7	2.332	3.125	12.4	19.8
2 11	6 22.10	+47 25.3	2.399	3.108	14.4	19.9

468729 2010 MT_{20} 1 4.7 284.°43 0.°9/ 5.1 17

12 3	7 22.56	+16 49.9	2.254	3.077	11.8	20.4
12 13	7 17.27	+17 35.8	2.165	3.067	8.8	20.2
12 23	7 10.00	+18 30.6	2.101	3.057	5.2	20.0
1 2	7 1.37	+19 31.7	2.066	3.047	1.6	19.7
1 12	6 52.26	+20 35.2	2.062	3.038	2.9	19.8
1 22	6 43.65	+21 37.6	2.089	3.028	6.7	20.0
2 1	6 36.48	+22 36.2	2.143	3.018	10.2	20.2
2 11	6 31.44	+23 29.2	2.221	3.008	13.2	20.4

195612 2002 LB_{14} 1 4.7 165.°12 1.°9/ 5.2 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 24.13	+16 45.6	2.597	3.410	10.8	20.5
12 13	7 17.96	+16 27.0	2.519	3.414	8.0	20.3
12 23	7 10.16	+16 12.8	2.467	3.419	5.0	20.1
1 2	7 1.36	+16 2.6	2.445	3.422	2.2	20.0
1 12	6 52.37	+15 56.1	2.454	3.425	3.1	20.0
1 22	6 43.99	+15 52.7	2.494	3.428	6.1	20.2
2 1	6 36.96	+15 52.1	2.562	3.430	9.0	20.4
2 11	6 31.80	+15 53.6	2.655	3.432	11.6	20.6

447774 2007 RL_{13} 1 4.7 34.°46 2.°4/ 4.3 18

12 3	7 26.78	+25 47.6	1.204	2.063	17.7	20.5
12 13	7 21.43	+26 26.8	1.156	2.077	12.9	20.3
12 23	7 12.74	+27 7.2	1.129	2.092	7.6	20.0
1 2	7 1.96	+27 42.4	1.126	2.107	2.7	19.8
1 12	6 50.92	+28 7.0	1.150	2.123	5.1	20.0
1 22	6 41.42	+28 19.3	1.198	2.140	10.2	20.3
2 1	6 34.87	+28 20.5	1.270	2.158	14.8	20.6
2 11	6 32.01	+28 13.4	1.361	2.177	18.6	20.9

421029 2013 PZ_{64} 1 4.7 212.°88 5.°3/ 6.2 18

12 3	7 23.35	+ 6 25.0	2.222	3.014	13.0	22.1
12 13	7 17.71	+ 6 8.1	2.137	3.009	10.4	21.9
12 23	7 10.18	+ 6 4.5	2.077	3.003	7.6	21.7
1 2	7 1.40	+ 6 15.2	2.043	2.997	5.5	21.6
1 12	6 52.26	+ 6 39.9	2.038	2.990	5.8	21.6
1 22	6 43.70	+ 7 16.6	2.063	2.983	8.1	21.7
2 1	6 36.57	+ 8 2.4	2.114	2.976	10.9	21.9
2 11	6 31.52	+ 8 53.8	2.189	2.968	13.7	22.0

256154 2006 VU_{43} 1 4.7 18.°99 1.°9/ 4.9 18

12 3	7 25.28	+20 2.0	1.380	2.229	16.4	19.3
12 13	7 19.91	+19 28.6	1.319	2.234	12.2	19.1
12 23	7 11.71	+18 59.5	1.280	2.240	7.3	18.8
1 2	7 1.74	+18 34.3	1.266	2.247	2.5	18.5
1 12	6 51.52	+18 13.0	1.280	2.255	4.3	18.7
1 22	6 42.53	+17 55.6	1.319	2.263	9.2	19.0
2 1	6 36.01	+17 42.4	1.383	2.273	13.7	19.3
2 11	6 32.65	+17 33.0	1.467	2.283	17.4	19.5

52408 1993 TJ_{34} 1 4.7 334.°86 2.°8/ 5.4 18

12 3	7 21.35	+15 38.1	1.360	2.209	16.6	18.2
12 13	7 17.40	+15 39.3	1.279	2.193	12.6	17.9
12 23	7 10.51	+15 52.8	1.220	2.178	7.9	17.6
1 2	7 1.54	+16 17.6	1.185	2.164	3.4	17.3
1 12	6 51.88	+16 51.3	1.176	2.151	4.7	17.3
1 22	6 43.07	+17 30.3	1.193	2.139	9.7	17.6
2 1	6 36.54	+18 11.4	1.233	2.128	14.6	17.8
2 11	6 33.27	+18 51.7	1.293	2.119	18.8	18.0

64096 2001 SR_{332} 1 4.7 343.°50 1.°8/ 4.4 18

12 3	7 25.38	+26 6.7	1.542	2.390	15.1	19.4
12 13	7 20.09	+26 25.9	1.469	2.385	11.1	19.1
12 23	7 11.92	+26 45.3	1.419	2.380	6.6	18.8
1 2	7 1.82	+27 0.7	1.395	2.376	2.2	18.6
1 12	6 51.24	+27 8.7	1.398	2.372	4.3	18.7
1 22	6 41.69	+27 8.0	1.429	2.369	9.0	19.0
2 1	6 34.50	+26 59.4	1.483	2.367	13.4	19.2
2 11	6 30.50	+26 45.3	1.559	2.364	17.1	19.4

220239 2002 XG_{15} 1 4.7 38.°83 2.°5/ 4.9 18

12 3	7 26.51	+18 47.2	1.716	2.549	14.5	19.2
12 13	7 20.12	+17 50.2	1.663	2.569	10.7	19.0
12 23	7 11.51	+16 57.1	1.635	2.590	6.5	18.8
1 2	7 1.66	+16 9.0	1.633	2.611	2.9	18.6
1 12	6 51.81	+15 27.2	1.661	2.633	4.1	18.8
1 22	6 43.12	+14 52.7	1.717	2.655	8.0	19.1
2 1	6 36.50	+14 25.7	1.800	2.678	11.7	19.3
2 11	6 32.51	+14 5.9	1.904	2.701	14.8	19.6

86860 2000 HX_{11} 1 4.7 124.°69 0.°9/ 4.9 18

12 3	7 30.36	+19 39.5	1.877	2.699	13.9	20.6
12 13	7 22.92	+19 43.6	1.817	2.719	10.2	20.4
12 23	7 13.18	+19 52.2	1.781	2.738	6.0	20.2
1 2	7 2.05	+20 3.0	1.774	2.755	1.6	20.0
1 12	6 50.78	+20 14.0	1.798	2.772	3.3	20.1
1 22	6 40.56	+20 23.9	1.851	2.789	7.5	20.4
2 1	6 32.40	+20 32.3	1.931	2.804	11.3	20.7
2 11	6 26.92	+20 39.3	2.035	2.819	14.4	20.9

316612 2011 WS_{35} 1 4.8 333.°89 3.°7/ 3.8 18

12 3	7 27.12	+28 9.9	1.447	2.296	15.8	20.2
12 13	7 21.70	+29 11.8	1.377	2.292	11.8	19.9
12 23	7 13.04	+30 14.6	1.329	2.288	7.3	19.6
1 2	7 2.10	+31 10.8	1.307	2.284	3.8	19.4
1 12	6 50.50	+31 53.6	1.312	2.280	5.8	19.5
1 22	6 39.98	+32 19.7	1.344	2.277	10.2	19.8
2 1	6 32.08	+32 29.7	1.399	2.274	14.6	20.0
2 11	6 27.74	+32 27.1	1.474	2.271	18.3	20.3

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
137875 2000 AE_{98}			1 4.8	3.°78	1.°6/ 4.3	18
	h m	° ′			°	m
12 3	7 21.48	+22 48.2	1.127	1.996	17.9	18.1
12 13	7 17.92	+23 41.3	1.068	1.994	13.1	17.8
12 23	7 10.95	+24 42.1	1.029	1.994	7.7	17.5
1 2	7 1.65	+25 44.1	1.014	1.996	2.1	17.2
1 12	6 51.76	+26 39.7	1.024	1.999	4.9	17.4
1 22	6 43.16	+27 24.0	1.057	2.004	10.6	17.7
2 1	6 37.41	+27 55.3	1.113	2.011	15.6	18.0
2 11	6 35.43	+28 14.6	1.188	2.019	19.8	18.3
421604 2014 OD_{231}			1 4.8	14.°62	9.°3/ 3.8	18
12 3	7 30.73	+42 41.6	1.369	2.203	17.4	20.1
12 13	7 24.71	+43 33.4	1.316	2.207	14.1	19.9
12 23	7 14.81	+44 7.4	1.284	2.213	11.0	19.8
1 2	7 2.45	+44 14.2	1.275	2.219	9.3	19.7
1 12	6 49.82	+43 49.1	1.290	2.227	10.2	19.7
1 22	6 39.03	+42 54.4	1.330	2.235	12.9	19.9
2 1	6 31.69	+41 37.7	1.391	2.244	16.0	20.1
2 11	6 28.52	+40 8.6	1.472	2.254	19.0	20.4
321154 2008 UO_{315}			1 4.8	2.°59	4.°0/ 5.1	18
12 3	7 25.53	+16 35.9	1.189	2.041	18.3	20.4
12 13	7 20.51	+15 44.2	1.126	2.040	13.8	20.1
12 23	7 12.27	+15 0.5	1.083	2.039	8.8	19.8
1 2	7 1.91	+14 26.6	1.063	2.040	4.5	19.6
1 12	6 51.14	+14 3.4	1.069	2.041	5.8	19.7
1 22	6 41.66	+13 51.2	1.100	2.043	10.7	19.9
2 1	6 34.91	+13 48.8	1.153	2.046	15.6	20.2
2 11	6 31.71	+13 54.2	1.225	2.050	19.7	20.5
278903 2008 TX_{123}			1 4.8	45.°95	1.°0/ 4.9	18
12 3	7 23.61	+19 30.8	2.057	2.887	12.5	20.9
12 13	7 18.04	+19 31.6	1.982	2.888	9.2	20.7
12 23	7 10.41	+19 36.9	1.932	2.890	5.5	20.5
1 2	7 1.48	+19 45.2	1.910	2.891	1.6	20.2
1 12	6 52.25	+19 54.8	1.918	2.893	3.1	20.3
1 22	6 43.77	+20 4.5	1.954	2.894	7.0	20.6
2 1	6 36.97	+20 13.6	2.018	2.896	10.6	20.8
2 11	6 32.48	+20 21.8	2.105	2.898	13.7	21.0
417158 2005 WN_{23}			1 4.8	38.°81	4.°3/ 3.6	18
12 3	7 26.88	+31 9.8	1.647	2.489	14.6	20.7
12 13	7 21.08	+32 8.4	1.588	2.497	10.9	20.5
12 23	7 12.43	+33 3.3	1.553	2.506	7.0	20.3
1 2	7 1.94	+33 47.9	1.544	2.515	4.4	20.1
1 12	6 51.07	+34 16.9	1.563	2.525	5.9	20.2
1 22	6 41.34	+34 28.8	1.608	2.534	9.5	20.5
2 1	6 34.00	+34 25.5	1.679	2.545	13.1	20.7
2 11	6 29.85	+34 10.6	1.771	2.555	16.2	21.0
245451 2005 LV			1 4.8	172.°16	2.°5/ 5.7	18
12 3	7 21.24	+13 8.9	2.442	3.255	11.4	20.9
12 13	7 16.05	+13 20.6	2.362	3.255	8.6	20.7
12 23	7 9.17	+13 41.0	2.308	3.255	5.5	20.5
1 2	7 1.21	+14 9.4	2.282	3.256	2.9	20.4
1 12	6 52.96	+14 43.8	2.286	3.256	3.4	20.4
1 22	6 45.27	+15 22.3	2.320	3.256	6.4	20.6
2 1	6 38.88	+16 2.5	2.383	3.256	9.4	20.8
2 11	6 34.38	+16 42.6	2.469	3.256	12.0	21.0
205955 2002 JC_{133}			1 4.8	269.°84	1.°1/ 4.9	18
12 3	7 27.76	+20 40.7	1.689	2.523	14.6	20.3
12 13	7 21.68	+20 24.0	1.598	2.506	10.9	20.0
12 23	7 12.83	+20 10.1	1.531	2.489	6.5	19.7
1 2	7 2.06	+19 58.0	1.491	2.472	1.9	19.4
1 12	6 50.67	+19 46.3	1.479	2.454	3.8	19.5
1 22	6 40.09	+19 34.8	1.496	2.437	8.7	19.7
2 1	6 31.60	+19 23.9	1.538	2.419	13.2	19.9
2 11	6 26.12	+19 14.2	1.602	2.400	17.0	20.1
6472 Rosema			1 4.8	122.°71	1.°7/ 5.2	18
12 3	7 22.74	+16 36.7	2.601	3.416	10.7	18.6
12 13	7 16.95	+16 32.3	2.531	3.428	7.9	18.5
12 23	7 9.59	+16 32.9	2.488	3.440	4.8	18.3
1 2	7 1.29	+16 37.8	2.473	3.451	2.1	18.1
1 12	6 52.83	+16 46.1	2.490	3.462	2.9	18.2
1 22	6 44.99	+16 56.7	2.537	3.473	5.9	18.4
2 1	6 38.47	+17 8.6	2.613	3.484	8.8	18.6
2 11	6 33.77	+17 21.2	2.713	3.494	11.2	18.8
248016 2004 FM_{21}			1 4.8	271.°25	5.°2/ 5.8	18
12 3	7 23.89	+ 9 22.1	1.821	2.634	14.7	20.9
12 13	7 18.52	+ 8 56.1	1.736	2.623	11.5	20.7
12 23	7 10.86	+ 8 43.0	1.674	2.612	8.1	20.5
1 2	7 1.62	+ 8 44.2	1.638	2.601	5.5	20.3
1 12	6 51.89	+ 8 59.5	1.629	2.589	5.9	20.3
1 22	6 42.84	+ 9 27.3	1.649	2.578	9.0	20.4
2 1	6 35.53	+10 4.6	1.694	2.567	12.6	20.6
2 11	6 30.75	+10 47.9	1.761	2.555	15.9	20.8

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
468490 2005 FV_{14}			1 4.8	273.°19	2.°5/ 3.8	18
	h m	° ′			°	m
12 3	7 24.60	+27 54.2	2.303	3.132	11.4	21.1
12 13	7 18.94	+28 45.3	2.210	3.116	8.4	20.9
12 23	7 11.08	+29 37.0	2.143	3.099	5.2	20.6
1 2	7 1.68	+30 25.0	2.105	3.082	2.6	20.4
1 12	6 51.71	+31 5.0	2.098	3.065	4.0	20.5
1 22	6 42.27	+31 34.7	2.120	3.048	7.4	20.7
2 1	6 34.40	+31 53.5	2.169	3.030	10.7	20.9
2 11	6 28.87	+32 2.9	2.242	3.013	13.6	21.0
168461 1999 HY_4			1 4.8	221.°46	2.°4/ 4.0	17
12 3	7 24.33	+30 8.5	2.720	3.543	10.0	20.9
12 13	7 18.34	+30 36.9	2.635	3.536	7.4	20.7
12 23	7 10.53	+31 2.7	2.576	3.528	4.7	20.5
1 2	7 1.52	+31 22.9	2.546	3.521	2.5	20.3
1 12	6 52.19	+31 35.0	2.548	3.513	3.6	20.4
1 22	6 43.43	+31 38.0	2.579	3.504	6.4	20.6
2 1	6 36.07	+31 32.7	2.639	3.496	9.2	20.7
2 11	6 30.71	+31 20.6	2.723	3.487	11.6	20.9
360291 2001 DQ_{97}			1 4.8	280.°07	8.°7/ 3.4	18
12 3	7 34.58	+43 10.7	1.661	2.477	15.7	20.1
12 13	7 27.32	+44 2.2	1.588	2.468	12.8	19.9
12 23	7 16.34	+44 38.4	1.537	2.459	10.1	19.7
1 2	7 2.85	+44 50.1	1.511	2.450	8.7	19.6
1 12	6 48.78	+44 31.6	1.511	2.441	9.5	19.7
1 22	6 36.18	+43 43.7	1.537	2.432	12.1	19.8
2 1	6 26.73	+42 32.8	1.586	2.423	15.2	20.0
2 11	6 21.33	+41 7.8	1.655	2.414	18.2	20.1
424040 2007 AU_{20}			1 4.8	309.°36	9.°8/ 9.3	16
12 3	7 28.66	− 3 24.3	1.053	1.851	23.9	21.1
12 13	7 23.51	− 2 20.2	0.976	1.844	20.0	20.8
12 23	7 14.50	− 0 25.4	0.916	1.837	15.3	20.5
1 2	7 2.54	+ 2 23.3	0.877	1.829	11.1	20.2
1 12	6 49.38	+ 5 58.1	0.864	1.823	10.0	20.1
1 22	6 37.15	+ 9 59.3	0.877	1.816	13.4	20.3
2 1	6 27.84	+14 3.7	0.916	1.810	18.4	20.5
2 11	6 22.81	+17 51.9	0.976	1.805	23.3	20.8
110584 2001 TC_{120}			1 4.8	51.°01	3.°9/ 5.1	18
12 3	7 27.34	+15 45.0	1.553	2.384	15.8	18.0
12 13	7 20.96	+14 47.6	1.498	2.401	11.9	17.8
12 23	7 12.12	+13 57.7	1.467	2.419	7.6	17.6
1 2	7 1.85	+13 16.8	1.463	2.437	4.2	17.4
1 12	6 51.51	+12 46.1	1.486	2.455	5.2	17.5
1 22	6 42.38	+12 25.8	1.537	2.473	9.0	17.8
2 1	6 35.50	+12 15.1	1.614	2.492	12.8	18.1
2 11	6 31.46	+12 12.3	1.711	2.510	16.0	18.3
425094 2009 SU_{59}			1 4.8	97.°22	6.°0/ 6.2	18
12 3	7 24.22	+ 5 46.2	2.072	2.863	13.9	21.8
12 13	7 18.25	+ 5 8.5	2.011	2.880	11.0	21.6
12 23	7 10.43	+ 4 44.7	1.974	2.896	8.2	21.5
1 2	7 1.49	+ 4 36.7	1.964	2.913	6.2	21.4
1 12	6 52.41	+ 4 44.3	1.983	2.928	6.4	21.4
1 22	6 44.11	+ 5 5.9	2.029	2.944	8.5	21.6
2 1	6 37.43	+ 5 38.6	2.102	2.959	11.2	21.8
2 11	6 32.91	+ 6 18.6	2.198	2.974	13.7	22.0
309888 2009 DU_{133}			1 4.8	302.°19	0.°3/ 4.8	18
12 3	7 25.87	+21 21.1	1.469	2.315	15.8	20.9
12 13	7 20.66	+21 27.8	1.385	2.300	11.7	20.6
12 23	7 12.41	+21 39.6	1.324	2.285	6.9	20.3
1 2	7 2.02	+21 53.8	1.288	2.270	1.6	19.9
1 12	6 50.91	+22 7.3	1.279	2.255	4.0	20.1
1 22	6 40.69	+22 18.0	1.297	2.241	9.4	20.3
2 1	6 32.82	+22 25.6	1.339	2.227	14.2	20.6
2 11	6 28.27	+22 30.3	1.402	2.213	18.3	20.8
52923 1998 SR_{114}			1 4.8	173.°04	0.°4/ 4.9	18
12 3	7 29.25	+20 12.6	1.716	2.546	14.6	19.7
12 13	7 22.57	+20 32.4	1.642	2.549	10.8	19.5
12 23	7 13.24	+20 57.8	1.593	2.551	6.3	19.2
1 2	7 2.15	+21 25.8	1.571	2.553	1.5	18.9
1 12	6 50.64	+21 53.0	1.579	2.554	3.6	19.1
1 22	6 40.07	+22 16.9	1.615	2.555	8.3	19.4
2 1	6 31.65	+22 36.7	1.678	2.555	12.5	19.6
2 11	6 26.18	+22 52.5	1.763	2.554	16.0	19.8
70264 1999 RP_{93}			1 4.8	158.°27	1.°1/ 4.5	18
12 3	7 28.65	+24 25.2	1.979	2.807	13.0	20.3
12 13	7 21.86	+24 53.5	1.907	2.813	9.5	20.1
12 23	7 12.71	+25 23.1	1.861	2.819	5.6	19.8
1 2	7 2.03	+25 50.4	1.843	2.825	1.6	19.6
1 12	6 51.02	+26 12.1	1.856	2.829	3.5	19.7
1 22	6 40.89	+26 26.6	1.898	2.833	7.5	20.0
2 1	6 32.71	+26 34.0	1.967	2.837	11.2	20.2
2 11	6 27.18	+26 35.7	2.059	2.840	14.3	20.4

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
256403	2007 AJ_{16}		1 4.8	9.°65	0.°8/ 4.9	18
	h m	° ′			°	m
12 3	7 23.41	+21 34.9	1.285	2.142	16.9	19.6
12 13	7 18.83	+21 22.0	1.225	2.145	12.4	19.3
12 23	7 11.24	+21 13.2	1.186	2.148	7.3	19.1
1 2	7 1.72	+21 6.6	1.171	2.153	1.8	18.7
1 12	6 51.87	+21 0.6	1.182	2.159	4.1	18.9
1 22	6 43.28	+20 54.5	1.219	2.166	9.4	19.2
2 1	6 37.26	+20 48.3	1.279	2.175	14.2	19.5
2 11	6 34.56	+20 42.3	1.359	2.184	18.1	19.8
458972	2011 WZ_{24}		1 4.8	33.°99	1.°0/ 4.5	18
12 3	7 26.41	+22 24.5	1.441	2.288	16.0	20.3
12 13	7 20.93	+23 11.6	1.377	2.293	11.7	20.0
12 23	7 12.47	+24 4.8	1.336	2.297	6.8	19.7
1 2	7 2.02	+24 58.5	1.320	2.302	1.7	19.4
1 12	6 51.09	+25 47.0	1.332	2.307	4.2	19.6
1 22	6 41.26	+26 26.5	1.371	2.313	9.2	19.9
2 1	6 33.90	+26 55.9	1.435	2.319	13.7	20.2
2 11	6 29.84	+27 16.0	1.519	2.325	17.4	20.5
458386	2010 WZ_{69}		1 4.8	35.°78	4.°1/ 5.1	18
12 3	7 26.40	+15 42.6	1.494	2.330	16.1	20.8
12 13	7 20.43	+14 40.1	1.436	2.341	12.2	20.6
12 23	7 11.90	+13 45.0	1.401	2.353	7.8	20.3
1 2	7 1.85	+12 59.2	1.393	2.366	4.4	20.2
1 12	6 51.65	+12 24.4	1.411	2.379	5.4	20.3
1 22	6 42.65	+12 0.9	1.457	2.393	9.3	20.5
2 1	6 35.92	+11 48.2	1.527	2.407	13.3	20.8
2 11	6 32.12	+11 44.3	1.618	2.422	16.6	21.1
523496	2017 HX_{40}		1 4.8	143.°33	1.°2/ 5.1	18
12 3	7 24.95	+18 24.3	2.242	3.063	11.9	22.0
12 13	7 18.84	+18 30.1	2.170	3.071	8.8	21.8
12 23	7 10.83	+18 40.8	2.123	3.079	5.2	21.6
1 2	7 1.62	+18 55.0	2.105	3.086	1.7	21.4
1 12	6 52.18	+19 11.0	2.118	3.092	3.0	21.5
1 22	6 43.45	+19 27.2	2.161	3.099	6.6	21.7
2 1	6 36.30	+19 42.8	2.231	3.105	9.9	21.9
2 11	6 31.32	+19 57.3	2.326	3.110	12.8	22.2
422583	2014 TK_{58}		1 4.8	201.°95	6.°2/ 3.1	18
12 3	7 32.01	+39 54.7	2.177	2.988	12.6	21.6
12 13	7 24.61	+40 48.7	2.103	2.984	10.0	21.4
12 23	7 14.46	+41 32.9	2.052	2.980	7.6	21.3
1 2	7 2.46	+42 0.5	2.030	2.976	6.3	21.2
1 12	6 49.99	+42 7.3	2.036	2.971	7.1	21.2
1 22	6 38.51	+41 53.0	2.071	2.966	9.5	21.4
2 1	6 29.25	+41 20.5	2.131	2.960	12.2	21.5
2 11	6 23.03	+40 35.4	2.213	2.953	14.7	21.7
310091	2010 OY_{27}		1 4.8	100.°50	1.°7/ 4.6	18
12 3	7 31.77	+28 42.5	1.873	2.701	13.7	19.6
12 13	7 24.00	+28 27.5	1.812	2.717	10.0	19.4
12 23	7 13.83	+28 7.8	1.776	2.733	5.9	19.2
1 2	7 2.27	+27 40.8	1.769	2.749	2.1	19.0
1 12	6 50.68	+27 6.0	1.792	2.765	3.7	19.1
1 22	6 40.33	+26 24.8	1.845	2.780	7.7	19.4
2 1	6 32.23	+25 40.2	1.924	2.795	11.4	19.7
2 11	6 26.99	+24 55.2	2.027	2.810	14.5	19.9
456271	2006 RX_{49}		1 4.8	61.°36	0.°6/ 4.9	18
12 3	7 27.67	+20 39.8	1.528	2.368	15.6	21.6
12 13	7 21.35	+20 47.8	1.478	2.389	11.4	21.4
12 23	7 12.43	+21 0.7	1.451	2.411	6.6	21.2
1 2	7 1.98	+21 15.6	1.451	2.433	1.6	20.9
1 12	6 51.42	+21 29.8	1.479	2.455	3.6	21.1
1 22	6 42.13	+21 41.8	1.535	2.478	8.3	21.5
2 1	6 35.18	+21 51.1	1.616	2.500	12.4	21.8
2 11	6 31.23	+21 58.0	1.719	2.522	15.8	22.0
105	Artemis		1 4.8	233.°77	11.°6/ 7.4	18
12 3	7 24.79	− 8 19.4	1.974	2.700	16.6	13.2
12 13	7 19.08	− 9 23.8	1.891	2.689	14.7	13.0
12 23	7 11.18	−10 4.8	1.828	2.677	12.9	12.8
1 2	7 1.76	−10 16.8	1.788	2.664	11.7	12.7
1 12	6 51.83	− 9 57.3	1.773	2.651	11.7	12.7
1 22	6 42.49	− 9 7.5	1.782	2.638	12.9	12.7
2 1	6 34.75	− 7 52.1	1.814	2.623	14.8	12.8
2 11	6 29.37	− 6 18.4	1.868	2.609	17.0	13.0
426914	2013 WK_{85}		1 4.8	127.°62	2.°1/ 3.9	18
12 3	7 24.05	+26 54.8	2.445	3.273	10.9	20.6
12 13	7 18.27	+27 47.6	2.372	3.278	8.0	20.4
12 23	7 10.57	+28 40.8	2.326	3.282	4.8	20.2
1 2	7 1.60	+29 30.3	2.309	3.286	2.2	20.1
1 12	6 52.29	+30 12.6	2.322	3.290	3.6	20.2
1 22	6 43.60	+30 45.5	2.366	3.294	6.7	20.4
2 1	6 36.41	+31 8.8	2.437	3.298	9.7	20.6
2 11	6 31.36	+31 23.4	2.532	3.302	12.3	20.7

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
518119	2016 CN_{287}		1 4.8	240.°40	2.°8/ 5.7	18
	h m	° ′			°	m
12 3	7 22.54	+12 45.2	2.297	3.109	12.0	21.5
12 13	7 17.18	+12 57.4	2.209	3.101	9.1	21.3
12 23	7 9.95	+13 19.4	2.146	3.094	5.9	21.1
1 2	7 1.48	+13 50.3	2.112	3.086	3.1	20.9
1 12	6 52.62	+14 28.4	2.108	3.078	3.7	20.9
1 22	6 44.29	+15 11.2	2.133	3.069	6.8	21.1
2 1	6 37.35	+15 56.1	2.187	3.061	10.1	21.3
2 11	6 32.45	+16 41.0	2.264	3.052	13.0	21.5
21603	1999 BY		1 4.8	237.°57	15.°1/ 8.3	18
12 3	7 23.61	−21 19.0	2.175	2.804	17.7	18.7
12 13	7 18.14	−22 54.3	2.106	2.796	16.7	18.5
12 23	7 10.60	−24 1.7	2.054	2.787	15.7	18.4
1 2	7 1.64	−24 34.4	2.020	2.778	15.2	18.4
1 12	6 52.23	−24 28.9	2.006	2.769	15.1	18.4
1 22	6 43.40	−23 45.7	2.011	2.760	15.6	18.4
2 1	6 36.09	−22 28.9	2.036	2.750	16.5	18.4
2 11	6 31.05	−20 46.1	2.078	2.740	17.6	18.5
79510	1998 HO_{153}		1 4.8	273.°23	1.°1/ 4.3	18
12 3	7 23.10	+23 12.3	2.479	3.306	10.8	19.2
12 13	7 17.67	+24 6.0	2.387	3.293	7.9	19.0
12 23	7 10.30	+25 3.6	2.321	3.279	4.6	18.8
1 2	7 1.58	+26 1.7	2.285	3.266	1.4	18.6
1 12	6 52.38	+26 56.4	2.280	3.252	3.0	18.7
1 22	6 43.63	+27 44.7	2.305	3.239	6.5	18.9
2 1	6 36.22	+28 25.3	2.359	3.225	9.8	19.0
2 11	6 30.87	+28 57.9	2.437	3.212	12.5	19.2
280707	2005 GV_{59}		1 4.8	154.°74	2.°9/ 3.8	18
12 3	7 25.11	+32 44.9	3.017	3.833	9.3	21.7
12 13	7 18.72	+33 15.5	2.945	3.840	7.0	21.6
12 23	7 10.69	+33 41.9	2.900	3.847	4.6	21.4
1 2	7 1.63	+34 1.1	2.886	3.854	2.9	21.3
1 12	6 52.37	+34 10.9	2.902	3.861	3.8	21.4
1 22	6 43.72	+34 10.9	2.949	3.866	6.0	21.6
2 1	6 36.42	+34 1.9	3.024	3.872	8.4	21.7
2 11	6 31.00	+33 45.9	3.124	3.877	10.5	21.9
452447	2003 SE_{203}		1 4.8	66.°67	0.°1/ 4.8	17
12 3	7 29.10	+21 43.7	1.451	2.292	16.2	21.4
12 13	7 22.52	+21 53.1	1.402	2.314	11.8	21.2
12 23	7 13.17	+22 6.4	1.376	2.336	6.8	20.9
1 2	7 2.18	+22 20.3	1.376	2.358	1.5	20.7
1 12	6 51.08	+22 32.1	1.404	2.380	3.8	20.9
1 22	6 41.36	+22 40.2	1.459	2.402	8.7	21.2
2 1	6 34.16	+22 44.8	1.540	2.424	12.9	21.5
2 11	6 30.13	+22 46.6	1.642	2.445	16.4	21.8
219010	2009 MJ_{8}		1 4.8	140.°28	0.°5/ 4.9	18
12 3	7 26.23	+19 56.0	2.652	3.466	10.5	22.6
12 13	7 19.49	+20 9.3	2.584	3.482	7.7	22.4
12 23	7 11.10	+20 25.7	2.542	3.497	4.5	22.2
1 2	7 1.72	+20 43.4	2.531	3.512	1.2	22.0
1 12	6 52.17	+21 0.7	2.551	3.526	2.5	22.1
1 22	6 43.29	+21 16.5	2.603	3.539	5.8	22.4
2 1	6 35.80	+21 30.1	2.684	3.551	8.7	22.6
2 11	6 30.24	+21 41.5	2.790	3.562	11.2	22.8
419901	2011 AQ_{67}		1 4.8	342.°68	0.°4/ 4.9	18
12 3	7 24.76	+20 48.9	1.898	2.731	13.3	21.8
12 13	7 19.12	+21 2.1	1.823	2.731	9.8	21.6
12 23	7 11.20	+21 19.6	1.772	2.731	5.7	21.4
1 2	7 1.78	+21 39.2	1.749	2.731	1.3	21.1
1 12	6 51.99	+21 58.3	1.755	2.730	3.2	21.2
1 22	6 43.01	+22 15.1	1.789	2.730	7.5	21.5
2 1	6 35.86	+22 28.8	1.851	2.730	11.3	21.7
2 11	6 31.27	+22 39.4	1.935	2.730	14.6	21.9
411264	2010 RZ_{127}		1 4.8	133.°57	4.°8/ 4.0	18
12 3	7 32.81	+36 11.0	2.062	2.879	13.0	21.6
12 13	7 24.92	+36 39.2	1.999	2.891	9.9	21.5
12 23	7 14.47	+36 58.2	1.961	2.903	6.8	21.3
1 2	7 2.47	+37 3.0	1.952	2.914	4.8	21.2
1 12	6 50.31	+36 50.8	1.972	2.925	5.8	21.3
1 22	6 39.32	+36 22.3	2.021	2.936	8.6	21.5
2 1	6 30.63	+35 41.2	2.097	2.945	11.6	21.7
2 11	6 24.87	+34 52.3	2.195	2.954	14.2	21.9
379103	2008 YS_{13}		1 4.8	42.°34	4.°0/ 5.1	18
12 3	7 36.73	+36 35.4	1.714	2.535	15.1	19.4
12 13	7 27.50	+35 57.2	1.670	2.566	11.3	19.3
12 23	7 15.68	+35 5.8	1.650	2.597	7.3	19.1
1 2	7 2.66	+33 58.7	1.658	2.629	4.3	19.0
1 12	6 50.08	+32 37.4	1.696	2.661	5.2	19.1
1 22	6 39.34	+31 6.9	1.764	2.693	8.5	19.4
2 1	6 31.38	+29 33.7	1.859	2.726	11.9	19.6
2 11	6 26.65	+28 3.3	1.978	2.758	14.8	19.9

409515 2005 TY_{53} 1 4.8 60.°71 1.°6/ 4.4 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 27.40	+25 15.7	1.649	2.490	14.6	20.7
12 13	7 21.17	+25 47.9	1.598	2.510	10.6	20.5
12 23	7 12.37	+26 20.8	1.570	2.530	6.2	20.3
1 2	7 2.02	+26 49.8	1.569	2.550	2.0	20.0
1 12	6 51.50	+27 11.4	1.597	2.570	4.0	20.2
1 22	6 42.17	+27 24.2	1.653	2.591	8.2	20.5
2 1	6 35.11	+27 28.6	1.734	2.611	12.1	20.8
2 11	6 30.99	+27 26.6	1.837	2.632	15.3	21.1

109999 2001 SZ_{62} 1 4.8 85.°37 4.°5/ 6.2 18 R

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 21.57	+ 7 44.7	2.380	3.176	12.1	19.7
12 13	7 16.22	+ 7 29.3	2.314	3.190	9.5	19.6
12 23	7 9.26	+ 7 25.4	2.274	3.204	6.8	19.4
1 2	7 1.33	+ 7 33.6	2.260	3.218	4.8	19.3
1 12	6 53.23	+ 7 53.2	2.276	3.231	5.0	19.4
1 22	6 45.77	+ 8 22.4	2.322	3.245	7.1	19.5
2 1	6 39.67	+ 8 58.6	2.394	3.258	9.7	19.7
2 11	6 35.43	+ 9 39.2	2.491	3.272	12.1	19.9

248027 2004 FU_{92} 1 4.8 279.°94 7.°5/ 2.6 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 29.93	+45 25.6	2.385	3.181	12.1	20.4
12 13	7 23.11	+46 21.5	2.311	3.174	10.1	20.3
12 23	7 13.61	+47 4.8	2.262	3.167	8.3	20.2
1 2	7 2.33	+47 29.2	2.239	3.160	7.5	20.1
1 12	6 50.60	+47 30.6	2.244	3.153	8.1	20.1
1 22	6 39.83	+47 9.1	2.276	3.145	9.9	20.2
2 1	6 31.23	+46 27.8	2.332	3.138	12.0	20.3
2 11	6 25.61	+45 32.3	2.410	3.131	14.1	20.5

142730 2002 TN_{284} 1 4.8 43.°57 3.°0/ 5.2 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 26.71	+17 4.6	1.387	2.229	16.8	18.8
12 13	7 20.80	+16 29.7	1.337	2.246	12.5	18.6
12 23	7 12.19	+16 2.7	1.308	2.264	7.7	18.4
1 2	7 1.98	+15 43.8	1.305	2.283	3.5	18.2
1 12	6 51.67	+15 32.7	1.329	2.302	4.7	18.3
1 22	6 42.67	+15 28.5	1.379	2.321	9.2	18.6
2 1	6 36.12	+15 30.2	1.454	2.341	13.4	18.9
2 11	6 32.65	+15 36.1	1.550	2.361	16.9	19.2

249843 2001 PD_{34} 1 4.8 38.°23 10.°4/ 7.6 17

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 23.43	− 0 4.4	1.368	2.166	19.3	19.3
12 13	7 18.33	− 1 6.1	1.326	2.188	16.1	19.2
12 23	7 10.73	− 1 41.2	1.303	2.210	12.9	19.1
1 2	7 1.66	− 1 45.6	1.303	2.233	10.7	19.0
1 12	6 52.49	− 1 19.5	1.327	2.257	10.6	19.1
1 22	6 44.50	− 0 27.2	1.374	2.281	12.4	19.2
2 1	6 38.74	+ 0 44.0	1.444	2.306	15.0	19.4
2 11	6 35.84	+ 2 6.0	1.535	2.331	17.7	19.7

51284 2000 KE_{9} 1 4.8 124.°57 0.°8/ 5.1 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 18.76	+18 44.6	3.831	4.643	7.6	20.8
12 13	7 13.72	+18 48.3	3.760	4.657	5.6	20.7
12 23	7 7.65	+18 54.5	3.717	4.671	3.3	20.5
1 2	7 0.97	+19 2.6	3.705	4.685	1.1	20.4
1 12	6 54.19	+19 11.7	3.725	4.699	1.9	20.4
1 22	6 47.80	+19 21.1	3.776	4.712	4.1	20.6
2 1	6 42.27	+19 30.3	3.857	4.725	6.3	20.8
2 11	6 37.97	+19 38.9	3.964	4.738	8.1	20.9

376069 2010 LP_{62} 1 4.8 334.°04 7.°5/ 5.6 16

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 21.33	+ 4 36.2	1.945	2.741	14.5	20.1
12 13	7 16.51	+ 3 27.0	1.864	2.731	11.8	20.0
12 23	7 9.66	+ 2 31.3	1.806	2.722	9.3	19.8
1 2	7 1.47	+ 1 52.8	1.773	2.712	7.6	19.7
1 12	6 52.89	+ 1 33.7	1.768	2.704	7.9	19.7
1 22	6 44.95	+ 1 33.9	1.789	2.696	10.0	19.8
2 1	6 38.58	+ 1 51.3	1.835	2.688	12.7	19.9
2 11	6 34.46	+ 2 21.9	1.902	2.681	15.4	20.1

458188 2010 NK_{80} 1 4.8 42.°71 4.°2/ 3.3 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 28.21	+27 5.0	1.377	2.227	16.4	19.9
12 13	7 22.40	+28 51.0	1.332	2.247	12.0	19.7
12 23	7 13.39	+30 38.2	1.310	2.268	7.4	19.5
1 2	7 2.30	+32 16.3	1.314	2.289	4.2	19.4
1 12	6 50.82	+33 36.6	1.347	2.311	6.2	19.5
1 22	6 40.68	+34 34.7	1.405	2.334	10.3	19.8
2 1	6 33.29	+35 11.2	1.488	2.357	14.3	20.1
2 11	6 29.46	+35 30.2	1.591	2.380	17.5	20.4

200171 1999 FO_{61} 1 4.8 253.°62 2.°3/ 4.3 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 29.10	+27 2.2	1.619	2.459	14.9	20.2
12 13	7 22.89	+27 29.4	1.539	2.450	11.0	20.0
12 23	7 13.69	+27 56.3	1.482	2.440	6.6	19.7
1 2	7 2.40	+28 18.1	1.451	2.431	2.6	19.4
1 12	6 50.48	+28 30.5	1.449	2.421	4.6	19.5
1 22	6 39.54	+28 31.8	1.474	2.411	9.2	19.8
2 1	6 30.97	+28 23.2	1.525	2.401	13.5	20.0
2 11	6 25.69	+28 7.7	1.597	2.391	17.3	20.2

256335 2006 XQ_{27} 1 4.8 27.°42 0.°1/ 4.8 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 25.53	+22 18.8	1.455	2.303	15.8	20.4
12 13	7 20.12	+22 19.1	1.394	2.310	11.6	20.1
12 23	7 11.92	+22 22.8	1.356	2.318	6.7	19.9
1 2	7 1.96	+22 27.1	1.344	2.326	1.5	19.6
1 12	6 51.72	+22 29.7	1.359	2.336	3.8	19.8
1 22	6 42.67	+22 29.7	1.401	2.345	8.8	20.1
2 1	6 36.01	+22 27.1	1.467	2.356	13.2	20.4
2 11	6 32.47	+22 22.8	1.555	2.366	16.8	20.6

127960 2003 HP_{20} 1 4.8 206.°64 3.°8/ 3.9 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 30.39	+30 4.2	1.691	2.526	14.6	20.4
12 13	7 23.79	+30 55.8	1.616	2.523	10.9	20.1
12 23	7 14.18	+31 45.2	1.566	2.520	6.9	19.9
1 2	7 2.50	+32 25.8	1.543	2.517	3.9	19.7
1 12	6 50.24	+32 52.2	1.548	2.513	5.5	19.8
1 22	6 38.99	+33 2.5	1.581	2.509	9.5	20.0
2 1	6 30.15	+32 58.1	1.639	2.504	13.4	20.2
2 11	6 24.61	+32 42.9	1.719	2.499	16.8	20.5

397901 2008 UE_{277} 1 4.8 212.°29 2.°1/ 4.3 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 29.65	+26 9.0	1.643	2.481	14.8	21.7
12 13	7 23.20	+26 43.0	1.567	2.477	10.9	21.4
12 23	7 13.82	+27 18.0	1.514	2.473	6.5	21.2
1 2	7 2.42	+27 48.8	1.489	2.469	2.4	20.9
1 12	6 50.47	+28 10.9	1.492	2.464	4.4	21.0
1 22	6 39.50	+28 22.2	1.523	2.459	9.0	21.3
2 1	6 30.88	+28 23.4	1.580	2.454	13.3	21.5
2 11	6 25.49	+28 17.1	1.658	2.448	16.9	21.7

407405 2010 TV_{40} 1 4.8 5.°72 14.°1/ 1.5 16

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 39.82	+55 13.0	1.586	2.365	18.0	20.7
12 13	7 32.48	+56 56.4	1.537	2.365	16.1	20.6
12 23	7 19.97	+58 14.6	1.508	2.365	14.7	20.5
1 2	7 3.84	+58 54.4	1.499	2.366	14.1	20.5
1 12	6 46.96	+58 48.4	1.513	2.368	14.8	20.5
1 22	6 32.41	+57 58.6	1.547	2.370	16.2	20.6
2 1	6 22.43	+56 34.3	1.601	2.372	18.1	20.7
2 11	6 17.92	+54 47.8	1.672	2.375	20.0	20.9

57924 2002 FO_{28} 1 4.8 35.°65 4.°7/ 3.8 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 29.25	+27 50.7	0.949	1.819	20.3	17.2
12 13	7 23.72	+29 14.2	0.923	1.848	14.8	17.0
12 23	7 14.24	+30 34.9	0.916	1.878	9.1	16.8
1 2	7 2.46	+31 41.8	0.933	1.910	4.8	16.7
1 12	6 50.72	+32 26.9	0.973	1.942	7.0	16.9
1 22	6 41.13	+32 48.7	1.037	1.976	11.8	17.3
2 1	6 35.17	+32 50.8	1.122	2.010	16.3	17.6
2 11	6 33.41	+32 39.2	1.225	2.045	20.0	18.0

372426 2009 SP_{35} 1 4.8 192.°51 4.°2/ 3.8 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 28.73	+34 12.7	2.214	3.036	12.0	21.6
12 13	7 21.98	+34 49.9	2.138	3.035	9.2	21.4
12 23	7 12.86	+35 21.2	2.088	3.033	6.2	21.2
1 2	7 2.19	+35 41.5	2.066	3.031	4.2	21.1
1 12	6 51.15	+35 47.6	2.073	3.029	5.3	21.1
1 22	6 40.97	+35 39.0	2.110	3.027	8.1	21.3
2 1	6 32.72	+35 17.5	2.173	3.024	11.1	21.5
2 11	6 27.12	+34 46.8	2.259	3.021	13.8	21.7

412334 2013 KF_{18} 1 4.8 216.°12 1.°4/ 4.3 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 27.20	+23 21.2	1.982	2.812	12.9	20.7
12 13	7 21.05	+24 19.6	1.900	2.807	9.5	20.5
12 23	7 12.44	+25 22.7	1.843	2.801	5.6	20.2
1 2	7 2.13	+26 25.5	1.815	2.796	1.7	19.9
1 12	6 51.24	+27 23.0	1.817	2.789	3.7	20.1
1 22	6 41.03	+28 11.6	1.849	2.783	7.8	20.3
2 1	6 32.64	+28 49.9	1.908	2.776	11.6	20.5
2 11	6 26.91	+29 18.4	1.990	2.769	14.8	20.7

345119 2005 QJ_{70} 1 4.8 160.°37 2.°3/ 5.4 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 29.39	+15 24.4	1.777	2.596	14.7	21.6
12 13	7 22.54	+15 34.9	1.705	2.604	11.0	21.4
12 23	7 13.21	+15 55.0	1.658	2.610	6.8	21.2
1 2	7 2.28	+16 22.7	1.638	2.616	2.8	21.0
1 12	6 50.97	+16 55.4	1.648	2.621	3.9	21.0
1 22	6 40.57	+17 30.3	1.687	2.625	8.1	21.3
2 1	6 32.21	+18 5.1	1.753	2.628	12.1	21.5
2 11	6 26.61	+18 38.5	1.841	2.631	15.5	21.8

333916 1999 TF_{117} 1 4.8 77.°22 1.°7/ 4.5 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 33.34	+25 38.4	1.275	2.121	17.7	21.1
12 13	7 25.97	+26 0.0	1.231	2.145	12.9	20.9
12 23	7 15.31	+26 21.4	1.208	2.168	7.5	20.6
1 2	7 2.71	+26 37.2	1.211	2.192	2.3	20.4
1 12	6 50.07	+26 43.6	1.241	2.215	4.6	20.6
1 22	6 39.15	+26 40.3	1.297	2.238	9.7	21.0
2 1	6 31.29	+26 29.3	1.378	2.260	14.3	21.3
2 11	6 27.13	+26 13.7	1.479	2.283	17.9	21.6

377000 2002 QY_{33} 1 4.8 62.°99 0.°7/ 4.6 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 25.96	+23 44.4	1.977	2.809	12.9	21.2
12 13	7 19.71	+24 5.0	1.927	2.835	9.3	21.0
12 23	7 11.38	+24 26.9	1.902	2.861	5.4	20.8
1 2	7 1.84	+24 47.0	1.905	2.887	1.3	20.6
1 12	6 52.22	+25 2.9	1.938	2.913	3.2	20.8
1 22	6 43.59	+25 13.4	2.000	2.938	7.0	21.1
2 1	6 36.84	+25 18.7	2.089	2.964	10.4	21.3
2 11	6 32.54	+25 19.8	2.201	2.990	13.3	21.6

125735 2001 XD_{115} 1 4.8 312.°10 3.°7/ 3.9 18

12 3	7 27.45	+28 25.3	1.373	2.224	16.4	19.4
12 13	7 22.25	+29 18.4	1.297	2.213	12.2	19.1
12 23	7 13.60	+30 12.2	1.242	2.201	7.6	18.8
1 2	7 2.45	+30 59.3	1.213	2.190	3.9	18.6
1 12	6 50.49	+31 32.8	1.211	2.179	5.9	18.7
1 22	6 39.58	+31 49.5	1.234	2.169	10.7	18.9
2 1	6 31.41	+31 50.4	1.280	2.159	15.4	19.2
2 11	6 27.04	+31 39.2	1.346	2.150	19.3	19.4

135317 2001 SO_{280} 1 4.8 45.°81 0.°4/ 4.9 18

12 3	7 23.23	+21 0.8	2.019	2.852	12.6	19.0
12 13	7 17.77	+21 8.7	1.958	2.866	9.2	18.9
12 23	7 10.31	+21 20.1	1.921	2.880	5.3	18.7
1 2	7 1.62	+21 33.0	1.913	2.894	1.3	18.4
1 12	6 52.76	+21 45.5	1.933	2.909	3.0	18.6
1 22	6 44.74	+21 56.2	1.983	2.924	6.9	18.8
2 1	6 38.44	+22 4.7	2.060	2.939	10.4	19.1
2 11	6 34.45	+22 10.9	2.159	2.955	13.3	19.3

139393 2001 ND_{11} 1 4.8 152.°59 1.°4/ 5.2 18

12 3	7 26.41	+17 52.6	2.223	3.040	12.2	21.0
12 13	7 19.95	+17 55.4	2.150	3.049	9.0	20.8
12 23	7 11.54	+18 3.5	2.103	3.057	5.4	20.6
1 2	7 1.91	+18 15.4	2.084	3.064	1.9	20.4
1 12	6 52.03	+18 29.6	2.097	3.071	3.1	20.5
1 22	6 42.90	+18 44.5	2.139	3.077	6.7	20.7
2 1	6 35.37	+18 59.3	2.210	3.082	10.1	20.9
2 11	6 30.07	+19 13.5	2.305	3.087	12.9	21.1

93918 2000 WW_{159} 1 4.8 166.°67 2.°6/ 3.9 18

12 3	7 26.92	+28 21.3	2.321	3.146	11.5	20.0
12 13	7 20.52	+29 15.9	2.247	3.150	8.5	19.8
12 23	7 11.99	+30 9.8	2.199	3.153	5.2	19.6
1 2	7 2.03	+30 58.4	2.181	3.156	2.7	19.5
1 12	6 51.68	+31 37.8	2.193	3.159	4.0	19.6
1 22	6 42.02	+32 5.9	2.235	3.161	7.2	19.8
2 1	6 34.02	+32 22.7	2.305	3.162	10.3	20.0
2 11	6 28.38	+32 30.1	2.398	3.163	13.0	20.2

189702 2001 TQ_{85} 1 4.8 181.°71 1.°6/ 5.5 18

12 3	7 17.75	+14 40.3	4.118	4.920	7.3	21.6
12 13	7 12.99	+14 33.6	4.032	4.920	5.5	21.4
12 23	7 7.27	+14 30.8	3.974	4.921	3.5	21.3
1 2	7 0.95	+14 31.7	3.947	4.920	1.8	21.2
1 12	6 54.50	+14 35.9	3.951	4.920	2.2	21.2
1 22	6 48.37	+14 42.7	3.987	4.919	4.1	21.3
2 1	6 42.98	+14 51.5	4.053	4.918	6.1	21.5
2 11	6 38.69	+15 1.8	4.145	4.916	7.8	21.6

52657 1998 AK_7 1 4.8 255.°85 5.°8/ 3.9 18

12 3	7 31.26	+42 8.0	2.481	3.281	11.6	18.6
12 13	7 23.72	+42 24.3	2.399	3.273	9.3	18.4
12 23	7 13.81	+42 28.7	2.342	3.265	7.1	18.2
1 2	7 2.42	+42 16.3	2.313	3.256	5.8	18.1
1 12	6 50.79	+41 44.9	2.313	3.248	6.4	18.2
1 22	6 40.15	+40 55.5	2.342	3.239	8.4	18.3
2 1	6 31.55	+39 51.8	2.399	3.230	10.9	18.4
2 11	6 25.65	+38 38.9	2.478	3.221	13.2	18.6

83909 2001 UB_{189} 1 4.8 18.°21 0.°6/ 4.8 18 R

12 3	7 26.63	+26 27.1	1.928	2.762	13.1	18.1
12 13	7 20.35	+25 54.0	1.858	2.766	9.6	17.9
12 23	7 11.83	+25 17.7	1.812	2.771	5.6	17.7
1 2	7 1.97	+24 37.1	1.795	2.777	1.4	17.4
1 12	6 51.97	+23 52.5	1.807	2.782	3.2	17.5
1 22	6 42.98	+23 5.3	1.849	2.789	7.3	17.8
2 1	6 35.96	+22 17.9	1.917	2.796	11.1	18.0
2 11	6 31.52	+21 32.6	2.009	2.803	14.2	18.3

410802 2009 HV_{106} 1 4.8 266.°60 0.°3/ 4.8 18

12 3	7 27.29	+22 49.8	1.780	2.615	14.0	21.6
12 13	7 21.35	+22 59.0	1.690	2.599	10.3	21.4
12 23	7 12.74	+23 11.0	1.623	2.583	6.1	21.1
1 2	7 2.26	+23 22.9	1.584	2.566	1.4	20.7
1 12	6 51.15	+23 31.9	1.574	2.550	3.6	20.9
1 22	6 40.78	+23 36.6	1.592	2.533	8.3	21.1
2 1	6 32.43	+23 37.0	1.637	2.515	12.6	21.3
2 11	6 26.97	+23 34.1	1.703	2.498	16.3	21.5

323479 2004 LP_{31} 1 4.8 175.°27 2.°2/ 5.4 18

12 3	7 24.62	+14 43.6	2.699	3.504	10.6	21.9
12 13	7 18.38	+14 36.1	2.618	3.507	8.0	21.7
12 23	7 10.55	+14 34.5	2.563	3.510	5.1	21.5
1 2	7 1.72	+14 38.3	2.537	3.512	2.5	21.3
1 12	6 52.65	+14 46.8	2.544	3.513	3.2	21.4
1 22	6 44.14	+14 58.8	2.581	3.513	6.0	21.6
2 1	6 36.89	+15 13.5	2.647	3.513	8.8	21.7
2 11	6 31.45	+15 29.7	2.738	3.512	11.3	21.9

138190 2000 EK_{118} 1 4.8 278.°93 9.°2/ 2.5 18

12 3	7 33.66	+44 7.8	1.741	2.553	15.2	19.2
12 13	7 26.72	+45 24.9	1.674	2.549	12.6	19.0
12 23	7 16.14	+46 27.7	1.630	2.544	10.2	18.8
1 2	7 3.03	+47 6.3	1.611	2.540	9.2	18.8
1 12	6 49.27	+47 14.4	1.618	2.535	10.1	18.8
1 22	6 36.85	+46 51.8	1.650	2.531	12.4	18.9
2 1	6 27.46	+46 3.6	1.705	2.526	15.1	19.1
2 11	6 22.04	+44 58.4	1.780	2.522	17.7	19.3

236664 2006 LB_6 1 4.8 132.°08 0.°2/ 4.9 18

12 3	7 23.04	+20 1.1	2.591	3.412	10.5	20.8
12 13	7 17.37	+20 34.2	2.518	3.420	7.7	20.6
12 23	7 10.02	+21 11.4	2.471	3.428	4.5	20.4
1 2	7 1.61	+21 50.5	2.454	3.436	1.0	20.2
1 12	6 52.94	+22 28.8	2.468	3.443	2.5	20.3
1 22	6 44.85	+23 4.3	2.513	3.451	5.8	20.6
2 1	6 38.08	+23 35.9	2.587	3.458	8.8	20.8
2 11	6 33.19	+24 3.0	2.685	3.465	11.4	20.9

420277 2011 LB_{22} 1 4.8 137.°80 6.°9/ 7.9 18

12 3	7 21.37	− 1 19.6	2.402	3.158	13.2	21.0
12 13	7 16.19	− 1 21.3	2.324	3.161	11.0	20.8
12 23	7 9.36	− 1 4.8	2.269	3.163	8.8	20.7
1 2	7 1.46	− 0 28.7	2.241	3.166	7.2	20.6
1 12	6 53.30	+ 0 25.9	2.240	3.168	7.0	20.6
1 22	6 45.68	+ 1 36.2	2.268	3.170	8.4	20.7
2 1	6 39.35	+ 2 57.7	2.324	3.172	10.6	20.8
2 11	6 34.86	+ 4 25.4	2.403	3.174	12.8	21.0

44606 1999 RQ_{17} 1 4.8 210.°23 0.°3/ 4.8 18

12 3	7 30.78	+22 56.0	1.561	2.397	15.5	19.8
12 13	7 24.09	+23 4.7	1.483	2.393	11.5	19.6
12 23	7 14.39	+23 16.1	1.428	2.388	6.7	19.3
1 2	7 2.64	+23 26.8	1.401	2.383	1.5	18.9
1 12	6 50.33	+23 33.7	1.402	2.377	3.9	19.1
1 22	6 39.06	+23 35.5	1.430	2.371	9.0	19.4
2 1	6 30.21	+23 32.7	1.485	2.364	13.6	19.6
2 11	6 24.67	+23 26.8	1.560	2.357	17.5	19.8

407281 2010 GA_{117} 1 4.8 273.°40 2.°0/ 4.4 18

12 3	7 28.79	+26 0.6	1.558	2.399	15.3	21.6
12 13	7 22.90	+26 29.2	1.471	2.383	11.3	21.3
12 23	7 13.87	+26 59.3	1.407	2.367	6.8	21.0
1 2	7 2.56	+27 25.8	1.370	2.350	2.4	20.7
1 12	6 50.46	+27 44.1	1.360	2.333	4.6	20.8
1 22	6 39.24	+27 51.7	1.378	2.316	9.5	21.0
2 1	6 30.41	+27 49.5	1.421	2.299	14.2	21.3
2 11	6 24.99	+27 39.8	1.484	2.282	18.1	21.5

330087 2005 WD_{90} 1 4.8 66.°30 1.°8/ 5.1 18

12 3	7 25.36	+18 16.9	1.833	2.663	13.8	20.5
12 13	7 19.52	+18 2.9	1.765	2.670	10.2	20.3
12 23	7 11.43	+17 54.3	1.721	2.677	6.2	20.1
1 2	7 1.94	+17 50.3	1.704	2.684	2.3	19.9
1 12	6 52.19	+17 49.7	1.716	2.690	3.6	20.0
1 22	6 43.35	+17 51.7	1.757	2.697	7.6	20.2
2 1	6 36.40	+17 55.6	1.824	2.704	11.4	20.5
2 11	6 32.01	+18 0.8	1.914	2.711	14.7	20.7

417114 2005 UT_{452} 1 4.8 328.°42 0.°9/ 4.9 18

12 3	7 25.11	+20 30.7	1.755	2.592	14.1	21.2
12 13	7 19.57	+20 23.1	1.678	2.588	10.4	21.0
12 23	7 11.59	+20 19.4	1.625	2.584	6.1	20.7
1 2	7 2.00	+20 18.1	1.598	2.580	1.7	20.4
1 12	6 52.01	+20 17.6	1.601	2.576	3.5	20.5
1 22	6 42.89	+20 17.1	1.631	2.573	8.0	20.8
2 1	6 35.74	+20 16.4	1.687	2.570	12.1	21.0
2 11	6 31.31	+20 15.4	1.766	2.567	15.5	21.2

348155 2004 GU_{16} 1 4.8 241.°80 4.°0/ 3.1 15

12 3	7 25.52	+34 27.3	2.802	3.618	10.0	21.3
12 13	7 19.46	+35 27.9	2.714	3.606	7.6	21.1
12 23	7 11.40	+36 24.8	2.652	3.594	5.3	20.9
1 2	7 1.97	+37 13.5	2.621	3.581	4.0	20.8
1 12	6 52.04	+37 50.3	2.620	3.568	4.9	20.9
1 22	6 42.60	+38 13.3	2.648	3.554	7.2	21.0
2 1	6 34.54	+38 22.9	2.704	3.540	9.7	21.1
2 11	6 28.60	+38 21.3	2.784	3.526	11.9	21.3

519123 2010 MS_{42} 1 4.8 183.°11 4.°3/ 3.2 17

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 26.45	+38 51.8	3.155	3.958	9.3	22.4
12 13	7 19.84	+39 32.2	3.079	3.959	7.3	22.3
12 23	7 11.47	+40 5.6	3.030	3.959	5.4	22.1
1 2	7 1.95	+40 28.1	3.010	3.958	4.3	22.1
1 12	6 52.16	+40 37.5	3.021	3.957	5.0	22.1
1 22	6 42.98	+40 33.3	3.061	3.956	6.8	22.2
2 1	6 35.20	+40 16.8	3.129	3.954	8.8	22.4
2 11	6 29.40	+39 50.7	3.221	3.951	10.7	22.5

425518 2010 LF_{1} 1 4.8 247.°00 2.°7/ 5.3 17

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 22.49	+14 7.8	2.799	3.606	10.2	21.4
12 13	7 16.89	+13 40.8	2.703	3.592	7.8	21.2
12 23	7 9.74	+13 19.0	2.632	3.577	5.1	21.0
1 2	7 1.58	+13 2.7	2.591	3.562	2.9	20.8
1 12	6 53.12	+12 51.9	2.581	3.547	3.5	20.8
1 22	6 45.10	+12 46.4	2.602	3.532	6.1	21.0
2 1	6 38.23	+12 45.8	2.651	3.516	8.8	21.1
2 11	6 33.06	+12 49.0	2.725	3.500	11.3	21.3

125163 2001 UG_{95} 1 4.8 324.°88 5.°9/ 3.7 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 30.17	+33 43.2	1.364	2.210	16.7	19.8
12 13	7 24.35	+34 37.2	1.295	2.205	12.8	19.5
12 23	7 14.85	+35 25.0	1.249	2.200	8.7	19.3
1 2	7 2.79	+35 57.6	1.226	2.195	6.0	19.1
1 12	6 50.06	+36 8.6	1.230	2.190	7.5	19.2
1 22	6 38.67	+35 56.7	1.259	2.186	11.5	19.4
2 1	6 30.32	+35 25.9	1.312	2.182	15.7	19.6
2 11	6 25.99	+34 42.6	1.383	2.178	19.4	19.9

258206 2001 SW_{326} 1 4.8 170.°96 5.°2/ 3.8 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 31.21	+36 39.9	2.037	2.857	13.0	21.4
12 13	7 24.02	+37 18.3	1.966	2.859	10.1	21.2
12 23	7 14.15	+37 48.1	1.920	2.861	7.1	21.0
1 2	7 2.58	+38 3.6	1.902	2.862	5.2	20.9
1 12	6 50.66	+38 1.1	1.913	2.863	6.2	21.0
1 22	6 39.79	+37 40.6	1.952	2.864	9.0	21.1
2 1	6 31.17	+37 5.4	2.017	2.865	12.0	21.3
2 11	6 25.53	+36 20.3	2.105	2.865	14.7	21.5

401758 2013 KY_{6} 1 4.8 316.°38 2.°3/ 4.3 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 26.89	+26 23.2	1.606	2.449	14.8	20.6
12 13	7 21.28	+27 2.9	1.532	2.445	10.9	20.4
12 23	7 12.79	+27 44.0	1.481	2.440	6.5	20.1
1 2	7 2.32	+28 21.0	1.457	2.436	2.6	19.8
1 12	6 51.29	+28 49.1	1.460	2.432	4.5	19.9
1 22	6 41.22	+29 6.0	1.491	2.428	9.1	20.2
2 1	6 33.46	+29 12.0	1.547	2.425	13.3	20.4
2 11	6 28.88	+29 9.2	1.624	2.421	16.9	20.7

56806 2000 PM_{14} 1 4.8 194.°32 1.°1/ 5.1 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 25.54	+19 8.4	1.998	2.825	13.0	20.3
12 13	7 19.63	+19 10.2	1.919	2.824	9.6	20.1
12 23	7 11.53	+19 17.0	1.866	2.823	5.7	19.9
1 2	7 2.01	+19 27.2	1.841	2.821	1.7	19.6
1 12	6 52.14	+19 38.9	1.845	2.820	3.2	19.7
1 22	6 43.02	+19 50.8	1.878	2.818	7.3	19.9
2 1	6 35.65	+20 2.0	1.939	2.816	11.0	20.2
2 11	6 30.71	+20 12.3	2.023	2.814	14.2	20.4

135938 2002 TV_{191} 1 4.8 104.°65 4.°3/ 4.3 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 33.66	+34 52.6	1.918	2.739	13.7	20.2
12 13	7 25.57	+35 11.5	1.863	2.759	10.3	20.0
12 23	7 14.90	+35 21.4	1.832	2.778	6.9	19.8
1 2	7 2.72	+35 17.5	1.830	2.797	4.5	19.7
1 12	6 50.49	+34 57.7	1.856	2.815	5.5	19.8
1 22	6 39.60	+34 23.2	1.912	2.833	8.5	20.1
2 1	6 31.13	+33 37.9	1.995	2.851	11.7	20.3
2 11	6 25.69	+32 46.7	2.100	2.868	14.5	20.5

430084 2013 SB_{57} 1 4.8 5.°71 1.°0/ 5.1 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 20.84	+18 50.2	1.484	2.334	15.4	20.0
12 13	7 16.77	+19 11.1	1.418	2.334	11.4	19.8
12 23	7 10.09	+19 40.6	1.376	2.336	6.7	19.5
1 2	7 1.70	+20 15.9	1.358	2.340	1.9	19.2
1 12	6 52.92	+20 53.2	1.368	2.344	3.7	19.4
1 22	6 45.09	+21 29.3	1.404	2.350	8.5	19.7
2 1	6 39.40	+22 1.8	1.464	2.357	12.9	19.9
2 11	6 36.61	+22 29.7	1.546	2.365	16.5	20.2

61741 2000 QK_{153} 1 4.8 202.°10 3.°6/ 5.5 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 27.18	+13 35.1	1.724	2.545	15.0	19.9
12 13	7 21.09	+13 21.1	1.646	2.543	11.4	19.7
12 23	7 12.50	+13 17.3	1.591	2.540	7.4	19.5
1 2	7 2.25	+13 23.8	1.563	2.537	4.0	19.3
1 12	6 51.55	+13 39.4	1.564	2.533	4.8	19.3
1 22	6 41.68	+14 2.0	1.593	2.530	8.6	19.5
2 1	6 33.78	+14 29.5	1.648	2.525	12.6	19.7
2 11	6 28.65	+14 59.6	1.725	2.521	16.1	20.0

104774 2000 HP_{29} 1 4.8 260.°00 3.°8/ 3.3 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 25.81	+31 12.6	2.223	3.052	11.8	19.3
12 13	7 19.96	+32 20.9	2.148	3.050	8.8	19.1
12 23	7 11.81	+33 27.2	2.099	3.049	5.8	18.9
1 2	7 2.10	+34 26.0	2.078	3.047	3.8	18.8
1 12	6 51.90	+35 12.4	2.088	3.046	5.1	18.8
1 22	6 42.37	+35 44.1	2.126	3.044	8.0	19.0
2 1	6 34.59	+36 1.4	2.191	3.043	11.0	19.2
2 11	6 29.30	+36 6.6	2.279	3.041	13.7	19.4

104959 2000 JN_{50} 1 4.8 156.°09 5.°2/ 5.9 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 22.86	+ 5 18.4	2.806	3.582	11.0	19.9
12 13	7 17.02	+ 4 28.7	2.730	3.587	8.9	19.8
12 23	7 9.75	+ 3 49.0	2.680	3.593	6.8	19.6
1 2	7 1.60	+ 3 21.1	2.658	3.598	5.4	19.5
1 12	6 53.28	+ 3 5.8	2.667	3.603	5.6	19.6
1 22	6 45.47	+ 3 2.6	2.704	3.607	7.2	19.7
2 1	6 38.83	+ 3 10.3	2.770	3.611	9.3	19.8
2 11	6 33.82	+ 3 26.6	2.859	3.615	11.3	20.0

487863 2015 TP_{114} 1 4.8 184.°03 3.°8/ 5.7 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 27.17	+12 25.9	1.761	2.578	14.9	22.0
12 13	7 21.02	+12 19.1	1.685	2.579	11.4	21.8
12 23	7 12.44	+12 24.0	1.632	2.579	7.5	21.6
1 2	7 2.25	+12 40.3	1.606	2.578	4.2	21.4
1 12	6 51.63	+13 6.4	1.609	2.577	4.8	21.4
1 22	6 41.84	+13 39.8	1.640	2.576	8.5	21.6
2 1	6 33.98	+14 17.6	1.698	2.574	12.4	21.8
2 11	6 28.81	+14 57.3	1.778	2.572	15.7	22.1

258228 2001 TO_{82} 1 4.8 31.°54 10.°0/ 6.8 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 23.49	+ 2 33.7	1.322	2.133	19.2	19.5
12 13	7 18.53	+ 1 13.5	1.278	2.151	15.8	19.4
12 23	7 10.98	+ 0 17.0	1.253	2.169	12.5	19.2
1 2	7 1.89	− 0 10.8	1.251	2.189	10.3	19.1
1 12	6 52.66	− 0 8.6	1.274	2.209	10.4	19.2
1 22	6 44.64	+ 0 20.5	1.320	2.231	12.4	19.4
2 1	6 38.91	+ 1 10.5	1.388	2.253	15.3	19.6
2 11	6 36.10	+ 2 13.4	1.475	2.276	18.1	19.9

474066 2016 JV_{11} 1 4.8 323.°86 7.°3/ 6.0 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 21.80	+ 5 55.9	1.678	2.488	15.8	20.7
12 13	7 17.25	+ 5 6.8	1.595	2.474	12.8	20.4
12 23	7 10.35	+ 4 33.2	1.533	2.460	9.7	20.2
1 2	7 1.80	+ 4 18.5	1.497	2.447	7.5	20.1
1 12	6 52.73	+ 4 24.1	1.486	2.434	7.8	20.0
1 22	6 44.35	+ 4 48.9	1.501	2.422	10.4	20.2
2 1	6 37.75	+ 5 29.5	1.540	2.411	13.8	20.3
2 11	6 33.76	+ 6 20.8	1.601	2.400	17.0	20.5

494175 2016 GR_{165} 1 4.8 91.°15 4.°5/ 3.5 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 26.63	+34 56.6	2.282	3.105	11.7	21.2
12 13	7 20.44	+35 47.6	2.216	3.111	8.9	21.0
12 23	7 12.02	+36 32.6	2.175	3.118	6.2	20.8
1 2	7 2.15	+37 6.6	2.163	3.124	4.5	20.7
1 12	6 51.96	+37 26.0	2.179	3.131	5.5	20.8
1 22	6 42.60	+37 30.0	2.225	3.137	8.0	21.0
2 1	6 35.06	+37 20.1	2.297	3.143	10.8	21.2
2 11	6 30.05	+36 59.7	2.391	3.149	13.2	21.4

241100 2007 GL_{29} 1 4.8 67.°82 19.°7/ 9.6 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 27.81	−13 5.3	1.099	1.849	25.9	19.7
12 13	7 22.27	−15 28.2	1.060	1.860	23.6	19.6
12 23	7 13.44	−17 8.4	1.036	1.872	21.5	19.5
1 2	7 2.49	−17 54.2	1.028	1.884	20.1	19.4
1 12	6 51.17	−17 40.8	1.038	1.896	19.8	19.5
1 22	6 41.25	−16 32.5	1.065	1.908	20.6	19.6
2 1	6 34.17	−14 40.4	1.109	1.920	22.1	19.7
2 11	6 30.76	−12 20.3	1.169	1.932	24.0	19.9

201305 2002 TY_{41} 1 4.8 6.°34 2.°3/ 4.3 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 22.25	+26 21.6	1.543	2.395	14.8	19.0
12 13	7 17.87	+26 59.5	1.479	2.397	10.9	18.7
12 23	7 10.77	+27 38.4	1.438	2.399	6.5	18.5
1 2	7 1.90	+28 13.3	1.423	2.403	2.5	18.2
1 12	6 52.63	+28 39.9	1.435	2.407	4.5	18.4
1 22	6 44.38	+28 56.0	1.473	2.413	8.8	18.7
2 1	6 38.37	+29 1.8	1.536	2.420	12.9	18.9
2 11	6 35.37	+28 59.2	1.620	2.429	16.4	19.2

151794 2003 FX_{42} 1 4.8 267.°39 6.°0/ 3.3 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 30.27	+37 52.7	2.006	2.826	13.2	20.0
12 13	7 23.68	+38 42.4	1.921	2.811	10.4	19.8
12 23	7 14.20	+39 23.8	1.859	2.796	7.6	19.6
1 2	7 2.70	+39 50.1	1.826	2.780	6.0	19.5
1 12	6 50.56	+39 56.6	1.820	2.764	7.0	19.5
1 22	6 39.31	+39 42.3	1.842	2.748	9.8	19.7
2 1	6 30.29	+39 9.8	1.889	2.732	12.9	19.8
2 11	6 24.42	+38 24.6	1.958	2.716	15.7	20.0

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
496594 2015 BD_{462}			1 4.8	143.°78	2.°9/ 6.0	17
12 3	7 21.33	+11 9.2	2.611	3.414	11.0	21.2
12 13	7 16.11	+11 22.9	2.533	3.418	8.4	21.1
12 23	7 9.33	+11 46.1	2.480	3.422	5.6	20.9
1 2	7 1.56	+12 18.2	2.456	3.425	3.2	20.7
1 12	6 53.54	+12 57.3	2.462	3.429	3.6	20.8
1 22	6 46.03	+13 41.4	2.499	3.432	6.1	20.9
2 1	6 39.72	+14 27.9	2.564	3.435	8.9	21.1
2 11	6 35.17	+15 14.8	2.654	3.438	11.4	21.3
443632 2014 NA_1			1 4.8	345.°13	3.°7/ 5.8	18
12 3	7 25.13	+13 0.2	1.332	2.171	17.5	20.4
12 13	7 20.21	+13 8.4	1.261	2.167	13.4	20.2
12 23	7 12.28	+13 32.4	1.212	2.165	8.6	19.9
1 2	7 2.29	+14 11.4	1.187	2.162	4.3	19.6
1 12	6 51.70	+15 1.7	1.188	2.160	5.2	19.7
1 22	6 42.11	+15 58.7	1.215	2.159	9.9	19.9
2 1	6 34.92	+16 57.6	1.266	2.158	14.6	20.2
2 11	6 31.06	+17 54.7	1.337	2.157	18.6	20.5
169354 2001 UF_{24}			1 4.8	72.°02	5.°6/ 5.9	18
12 3	7 23.00	+ 6 39.5	2.289	3.081	12.7	19.9
12 13	7 17.34	+ 5 47.1	2.226	3.095	10.1	19.7
12 23	7 10.02	+ 5 6.2	2.187	3.109	7.5	19.6
1 2	7 1.71	+ 4 38.9	2.175	3.123	5.8	19.5
1 12	6 53.25	+ 4 26.0	2.193	3.137	6.0	19.6
1 22	6 45.48	+ 4 26.6	2.239	3.151	8.0	19.7
2 1	6 39.14	+ 4 38.9	2.311	3.165	10.4	19.9
2 11	6 34.75	+ 5 0.1	2.407	3.179	12.8	20.1
338169 2002 RP_{78}			1 4.8	118.°01	3.°0/ 4.4	17
12 3	7 34.93	+29 27.7	1.590	2.422	15.5	21.6
12 13	7 26.90	+29 52.0	1.535	2.440	11.5	21.4
12 23	7 15.87	+30 12.0	1.502	2.458	7.0	21.2
1 2	7 3.03	+30 22.1	1.498	2.475	3.3	21.0
1 12	6 50.03	+30 19.2	1.522	2.491	4.9	21.1
1 22	6 38.48	+30 3.4	1.574	2.507	9.1	21.4
2 1	6 29.65	+29 37.9	1.652	2.521	13.1	21.7
2 11	6 24.22	+29 6.8	1.752	2.535	16.4	21.9
421727 2014 PV_{36}			1 4.8	194.°74	1.°1/ 5.2	18
12 3	7 27.81	+18 11.0	2.171	2.988	12.4	22.3
12 13	7 21.21	+18 26.8	2.086	2.985	9.2	22.1
12 23	7 12.47	+18 48.6	2.027	2.982	5.5	21.9
1 2	7 2.30	+19 14.3	1.997	2.978	1.7	21.6
1 12	6 51.72	+19 41.6	1.998	2.973	3.1	21.7
1 22	6 41.79	+20 8.3	2.029	2.967	7.0	21.9
2 1	6 33.50	+20 33.1	2.089	2.960	10.6	22.1
2 11	6 27.55	+20 55.6	2.172	2.953	13.7	22.3
341572 2007 UW_{55}			1 4.8	102.°00	0.°2/ 4.9	18
12 3	7 23.72	+21 22.9	2.486	3.309	10.9	22.0
12 13	7 17.87	+21 33.6	2.420	3.324	7.9	21.8
12 23	7 10.35	+21 46.9	2.381	3.338	4.6	21.6
1 2	7 1.79	+22 0.9	2.370	3.352	1.1	21.4
1 12	6 53.08	+22 13.9	2.391	3.366	2.5	21.5
1 22	6 45.04	+22 24.8	2.441	3.379	5.9	21.7
2 1	6 38.43	+22 33.3	2.520	3.393	9.0	22.0
2 11	6 33.78	+22 39.3	2.623	3.406	11.5	22.2
445550 2011 HD_{89}			1 4.8	257.°07	2.°1/ 5.3	18
12 3	7 27.97	+16 35.7	1.447	2.284	16.5	22.0
12 13	7 22.29	+16 47.3	1.366	2.273	12.4	21.7
12 23	7 13.55	+17 10.0	1.306	2.263	7.6	21.4
1 2	7 2.61	+17 41.8	1.272	2.252	2.8	21.1
1 12	6 50.93	+18 19.2	1.265	2.240	4.3	21.1
1 22	6 40.12	+18 58.5	1.286	2.229	9.5	21.4
2 1	6 31.65	+19 37.1	1.331	2.217	14.4	21.7
2 11	6 26.53	+20 13.2	1.397	2.206	18.5	21.9
519548 2012 QJ_{53}			1 4.8	317.°18	2.°9/ 5.4	18
12 3	7 22.74	+14 44.5	2.215	3.034	12.2	20.8
12 13	7 17.39	+14 19.1	2.135	3.030	9.2	20.6
12 23	7 10.18	+14 0.3	2.079	3.027	5.9	20.4
1 2	7 1.78	+13 48.3	2.051	3.024	3.2	20.2
1 12	6 53.10	+13 43.0	2.053	3.021	3.9	20.2
1 22	6 45.05	+13 43.7	2.084	3.018	7.0	20.4
2 1	6 38.47	+13 49.4	2.142	3.016	10.3	20.6
2 11	6 33.98	+13 58.9	2.223	3.013	13.1	20.8
383716 2007 UY_{45}			1 4.8	45.°50	3.°5/ 3.7	18
12 3	7 25.35	+30 2.4	1.990	2.825	12.7	20.0
12 13	7 19.66	+31 3.6	1.931	2.838	9.4	19.8
12 23	7 11.64	+32 2.6	1.898	2.851	6.0	19.6
1 2	7 2.12	+32 53.8	1.892	2.864	3.6	19.5
1 12	6 52.28	+33 32.6	1.915	2.878	4.9	19.6
1 22	6 43.33	+33 57.4	1.967	2.892	8.1	19.8
2 1	6 36.31	+34 8.7	2.045	2.906	11.3	20.1
2 11	6 31.92	+34 9.1	2.145	2.920	14.0	20.3

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
423498 2005 TG_{122}			1 4.8	28.°54	3.°2/ 5.5	18 R
12 3	7 24.11	+14 44.8	1.623	2.456	15.2	21.1
12 13	7 18.89	+14 32.8	1.557	2.461	11.5	20.9
12 23	7 11.24	+14 30.9	1.514	2.466	7.3	20.7
1 2	7 2.04	+14 38.6	1.497	2.472	3.6	20.5
1 12	6 52.51	+14 54.5	1.507	2.479	4.5	20.6
1 22	6 43.93	+15 16.4	1.545	2.486	8.5	20.8
2 1	6 37.36	+15 42.0	1.608	2.493	12.4	21.1
2 11	6 33.53	+16 9.3	1.693	2.500	15.8	21.3
243728 2000 JP_{63}			1 4.8	244.°16	5.°6/ 5.7	18
12 3	7 23.00	+ 4 46.6	2.721	3.496	11.3	20.7
12 13	7 17.32	+ 3 53.6	2.626	3.481	9.2	20.5
12 23	7 10.07	+ 3 10.5	2.555	3.466	7.2	20.4
1 2	7 1.77	+ 2 39.4	2.513	3.451	5.8	20.3
1 12	6 53.14	+ 2 21.8	2.501	3.435	6.0	20.2
1 22	6 44.93	+ 2 17.5	2.518	3.419	7.7	20.3
2 1	6 37.86	+ 2 25.3	2.562	3.402	10.0	20.4
2 11	6 32.48	+ 2 43.0	2.630	3.385	12.2	20.6
256542 2007 GG_{54}			1 4.8	104.°18	2.°7/ 6.0	18
12 3	7 18.40	+10 29.7	3.473	4.267	8.7	21.0
12 13	7 13.61	+10 28.7	3.403	4.282	6.7	20.9
12 23	7 7.74	+10 34.6	3.360	4.296	4.5	20.8
1 2	7 1.22	+10 47.3	3.346	4.311	2.9	20.7
1 12	6 54.58	+11 6.0	3.363	4.325	3.1	20.7
1 22	6 48.34	+11 29.6	3.411	4.339	4.9	20.9
2 1	6 43.00	+11 56.6	3.488	4.352	7.0	21.0
2 11	6 38.94	+12 25.6	3.591	4.366	8.8	21.2
73452 2002 NS_{33}			1 4.8	42.°25	1.°3/ 5.0	18
12 3	7 24.90	+19 57.5	1.969	2.799	13.0	18.7
12 13	7 19.12	+19 37.4	1.898	2.804	9.6	18.5
12 23	7 11.23	+19 20.6	1.852	2.809	5.7	18.2
1 2	7 2.02	+19 6.3	1.834	2.814	1.8	18.0
1 12	6 52.59	+18 53.9	1.845	2.820	3.3	18.1
1 22	6 44.00	+18 43.2	1.885	2.825	7.2	18.4
2 1	6 37.19	+18 34.1	1.952	2.831	10.9	18.6
2 11	6 32.78	+18 26.7	2.042	2.837	13.9	18.8
468298 2015 EP_{17}			1 4.8	64.°87	0.°0/ 4.7	18
12 3	7 23.16	+20 32.1	2.220	3.049	11.8	21.1
12 13	7 17.77	+21 7.3	2.148	3.054	8.6	20.9
12 23	7 10.44	+21 47.2	2.102	3.060	5.0	20.7
1 2	7 1.86	+22 29.1	2.084	3.066	1.1	20.4
1 12	6 52.97	+23 9.8	2.097	3.072	2.8	20.5
1 22	6 44.74	+23 46.8	2.139	3.078	6.6	20.8
2 1	6 38.05	+24 18.9	2.209	3.084	9.9	21.0
2 11	6 33.53	+24 45.5	2.302	3.090	12.8	21.2
78468 2002 RL_{44}			1 4.8	63.°89	2.°0/ 5.5	18 R
12 3	7 23.57	+15 28.1	2.025	2.848	13.0	19.4
12 13	7 18.04	+15 44.2	1.964	2.864	9.6	19.2
12 23	7 10.56	+16 8.7	1.928	2.881	5.9	19.0
1 2	7 1.87	+16 39.8	1.920	2.898	2.5	18.8
1 12	6 52.99	+17 15.2	1.941	2.915	3.3	18.9
1 22	6 44.90	+17 52.1	1.992	2.932	6.9	19.1
2 1	6 38.47	+18 28.5	2.070	2.949	10.3	19.4
2 11	6 34.30	+19 2.9	2.171	2.966	13.2	19.6
37917 1998 FJ_{103}			1 4.8	169.°42	3.°7/ 5.7	18
12 3	7 27.04	+12 4.1	2.119	2.925	13.1	19.3
12 13	7 20.54	+11 45.3	2.043	2.929	10.0	19.1
12 23	7 12.02	+11 35.8	1.991	2.933	6.7	18.9
1 2	7 2.22	+11 35.8	1.967	2.936	4.0	18.8
1 12	6 52.12	+11 44.7	1.974	2.939	4.5	18.8
1 22	6 42.75	+12 1.0	2.010	2.941	7.6	19.0
2 1	6 35.01	+12 23.0	2.074	2.942	10.8	19.2
2 11	6 29.54	+12 48.7	2.161	2.942	13.7	19.4
83791 2001 TR_{210}			1 4.8	188.°37	2.°2/ 5.2	18
12 3	7 26.55	+17 2.6	2.143	2.961	12.5	20.2
12 13	7 20.22	+16 41.6	2.062	2.960	9.4	20.0
12 23	7 11.86	+16 25.6	2.007	2.959	5.8	19.7
1 2	7 2.19	+16 14.3	1.981	2.958	2.5	19.5
1 12	6 52.22	+16 7.2	1.984	2.956	3.5	19.6
1 22	6 42.97	+16 3.8	2.018	2.954	7.1	19.8
2 1	6 35.36	+16 3.5	2.079	2.951	10.6	20.0
2 11	6 30.03	+16 5.8	2.163	2.948	13.6	20.2
72246 2001 AL_{26}			1 4.8	339.°99	4.°4/ 3.8	18
12 3	7 27.86	+29 48.7	1.428	2.276	16.0	18.5
12 13	7 22.46	+30 50.5	1.358	2.272	12.0	18.3
12 23	7 13.74	+31 51.4	1.312	2.268	7.6	18.0
1 2	7 2.68	+32 43.3	1.290	2.265	4.5	17.8
1 12	6 50.95	+33 19.5	1.296	2.262	6.2	17.9
1 22	6 40.34	+33 37.1	1.328	2.259	10.5	18.2
2 1	6 32.43	+33 37.4	1.383	2.257	14.8	18.4
2 11	6 28.18	+33 24.7	1.458	2.255	18.5	18.6

161120 2002 RH_{18} 1 4.8 19.°46 10.°1/ 3.7 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 31.15	+46 26.9	1.528	2.346	16.7	18.2
12 13	7 24.95	+47 24.2	1.483	2.357	13.9	18.0
12 23	7 15.06	+48 1.3	1.458	2.370	11.4	17.9
1 2	7 2.91	+48 9.5	1.457	2.383	10.2	17.9
1 12	6 50.60	+47 44.8	1.480	2.397	10.8	17.9
1 22	6 40.15	+46 49.8	1.527	2.413	12.8	18.1
2 1	6 33.01	+45 32.0	1.596	2.429	15.4	18.3
2 11	6 29.85	+44 0.7	1.685	2.447	17.8	18.5

327931 2007 DK_{74} 1 4.8 79.°30 2.°4/ 5.5 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 24.80	+15 21.3	1.871	2.695	13.8	21.0
12 13	7 19.12	+15 23.3	1.805	2.705	10.3	20.8
12 23	7 11.27	+15 34.0	1.763	2.716	6.4	20.6
1 2	7 2.06	+15 52.3	1.749	2.726	2.9	20.4
1 12	6 52.59	+16 16.2	1.763	2.736	3.8	20.5
1 22	6 43.97	+16 43.4	1.806	2.746	7.5	20.7
2 1	6 37.16	+17 12.0	1.876	2.756	11.2	21.0
2 11	6 32.80	+17 40.3	1.969	2.766	14.3	21.2

13158 1995 UE 1 4.8 272.°32 4.°0/ 4.2 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 31.31	+30 47.4	1.420	2.264	16.4	18.4
12 13	7 25.02	+31 17.3	1.346	2.256	12.3	18.1
12 23	7 15.23	+31 42.9	1.293	2.249	7.8	17.9
1 2	7 3.02	+31 57.3	1.265	2.241	4.2	17.6
1 12	6 50.14	+31 55.6	1.265	2.233	5.9	17.7
1 22	6 38.51	+31 37.1	1.291	2.225	10.5	18.0
2 1	6 29.73	+31 5.1	1.341	2.217	15.0	18.2
2 11	6 24.77	+30 24.9	1.411	2.210	18.9	18.4

371705 2007 EW_{27} 1 4.8 269.°60 5.°2/ 6.5 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 23.23	+ 6 40.9	2.036	2.834	13.8	20.9
12 13	7 18.04	+ 6 39.4	1.943	2.819	11.0	20.7
12 23	7 10.74	+ 6 53.4	1.874	2.805	8.0	20.5
1 2	7 1.98	+ 7 23.5	1.832	2.790	5.6	20.3
1 12	6 52.71	+ 8 8.8	1.818	2.775	5.8	20.3
1 22	6 43.96	+ 9 6.2	1.832	2.760	8.4	20.4
2 1	6 36.71	+10 12.0	1.874	2.745	11.7	20.6
2 11	6 31.72	+11 21.6	1.939	2.729	14.8	20.7

382075 2011 FK_{16} 1 4.9 164.°85 1.°9/ 4.1 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 24.80	+28 14.6	2.900	3.719	9.6	21.8
12 13	7 18.65	+28 50.0	2.824	3.724	7.0	21.6
12 23	7 10.84	+29 24.2	2.775	3.729	4.3	21.5
1 2	7 1.98	+29 54.1	2.756	3.733	2.0	21.3
1 12	6 52.86	+30 17.4	2.769	3.736	3.1	21.4
1 22	6 44.28	+30 32.8	2.813	3.740	5.8	21.6
2 1	6 37.00	+30 40.5	2.885	3.742	8.5	21.7
2 11	6 31.58	+30 41.7	2.982	3.745	10.8	21.9

441458 2008 PN_2 1 4.9 95.°60 0.°2/ 4.8 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 33.25	+23 30.2	1.517	2.351	16.0	21.3
12 13	7 25.55	+23 26.8	1.465	2.374	11.7	21.1
12 23	7 15.04	+23 24.5	1.437	2.396	6.8	20.9
1 2	7 2.91	+23 20.3	1.436	2.418	1.5	20.6
1 12	6 50.72	+23 12.4	1.464	2.440	3.7	20.8
1 22	6 39.98	+23 0.6	1.521	2.461	8.6	21.2
2 1	6 31.84	+22 46.4	1.603	2.481	12.8	21.5
2 11	6 26.94	+22 31.3	1.706	2.501	16.3	21.7

361350 2006 UQ_{187} 1 4.9 137.°88 4.°8/ 3.9 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 33.92	+37 21.6	2.322	3.130	12.0	22.1
12 13	7 25.61	+37 53.4	2.260	3.146	9.3	22.0
12 23	7 14.96	+38 16.0	2.224	3.161	6.5	21.8
1 2	7 2.90	+38 24.4	2.217	3.175	4.8	21.7
1 12	6 50.69	+38 16.0	2.241	3.188	5.6	21.8
1 22	6 39.57	+37 51.5	2.294	3.201	8.1	22.0
2 1	6 30.56	+37 14.0	2.374	3.213	10.7	22.2
2 11	6 24.30	+36 28.1	2.477	3.224	13.1	22.4

267228 2001 FT_{125} 1 4.9 352.°32 1.°2/ 5.1 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 23.58	+18 51.4	1.837	2.672	13.6	20.4
12 13	7 18.43	+18 55.9	1.762	2.670	10.1	20.2
12 23	7 10.99	+19 6.5	1.710	2.668	6.0	20.0
1 2	7 2.06	+19 21.4	1.686	2.667	1.9	19.7
1 12	6 52.75	+19 38.6	1.690	2.665	3.3	19.8
1 22	6 44.22	+19 56.2	1.722	2.665	7.6	20.1
2 1	6 37.51	+20 13.1	1.781	2.664	11.5	20.3
2 11	6 33.34	+20 28.5	1.862	2.664	14.8	20.5

493646 2015 RM 1 4.9 52.°23 1.°0/ 4.7 15

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 30.77	+24 14.7	1.170	2.024	18.4	21.5
12 13	7 24.35	+24 27.0	1.128	2.046	13.4	21.3
12 23	7 14.57	+24 40.9	1.107	2.069	7.8	21.1
1 2	7 2.83	+24 51.9	1.110	2.092	1.9	20.8
1 12	6 51.04	+24 56.6	1.140	2.116	4.4	21.0
1 22	6 41.00	+24 54.2	1.196	2.140	9.9	21.4
2 1	6 34.04	+24 46.3	1.274	2.165	14.6	21.7
2 11	6 30.79	+24 34.8	1.373	2.189	18.4	22.0

451419 2011 QU_{68} 1 4.9 77.°00 1.°3/ 5.1 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 30.17	+18 40.4	1.492	2.327	16.2	21.4
12 13	7 23.29	+18 47.4	1.445	2.352	11.9	21.2
12 23	7 13.74	+19 1.5	1.420	2.378	7.0	21.0
1 2	7 2.64	+19 19.8	1.422	2.403	2.1	20.7
1 12	6 51.46	+19 39.7	1.453	2.428	3.8	20.9
1 22	6 41.61	+19 58.8	1.511	2.453	8.5	21.2
2 1	6 34.20	+20 16.2	1.595	2.477	12.6	21.5
2 11	6 29.86	+20 31.5	1.700	2.501	16.1	21.8

414912 2010 YN_2 1 4.9 112.°65 3.°5/ 3.9 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 28.12	+30 54.7	1.981	2.811	12.9	21.5
12 13	7 21.74	+31 38.6	1.915	2.819	9.6	21.3
12 23	7 12.91	+32 19.0	1.873	2.826	6.1	21.1
1 2	7 2.49	+32 50.6	1.860	2.833	3.6	21.0
1 12	6 51.73	+33 9.7	1.876	2.839	4.9	21.0
1 22	6 41.91	+33 15.3	1.920	2.846	8.2	21.3
2 1	6 34.12	+33 8.5	1.991	2.852	11.5	21.5
2 11	6 29.09	+32 52.7	2.084	2.859	14.4	21.7

194076 2001 SP_{148} 1 4.9 30.°06 3.°3/ 5.3 17

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 25.97	+17 0.0	1.033	1.894	19.8	19.2
12 13	7 21.10	+16 32.7	0.988	1.907	14.8	18.9
12 23	7 12.82	+16 16.7	0.963	1.922	9.1	18.6
1 2	7 2.47	+16 11.6	0.960	1.938	3.9	18.4
1 12	6 51.93	+16 15.8	0.981	1.956	5.3	18.6
1 22	6 43.01	+16 27.0	1.026	1.974	10.6	18.9
2 1	6 37.10	+16 43.0	1.093	1.993	15.6	19.2
2 11	6 34.89	+17 1.2	1.179	2.013	19.7	19.6

152919 2000 EU_{21} 1 4.9 202.°90 8.°0/ 7.7 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 27.17	− 1 28.4	2.042	2.798	15.2	20.5
12 13	7 20.84	− 1 37.8	1.956	2.793	12.7	20.3
12 23	7 12.35	− 1 25.9	1.892	2.787	10.2	20.2
1 2	7 2.38	− 0 50.6	1.854	2.780	8.3	20.0
1 12	6 51.95	+ 0 7.8	1.844	2.773	8.2	20.0
1 22	6 42.12	+ 1 25.8	1.862	2.765	9.9	20.1
2 1	6 33.87	+ 2 57.8	1.908	2.755	12.6	20.2
2 11	6 27.95	+ 4 37.2	1.977	2.745	15.3	20.4

70777 1999 VG_{40} 1 4.9 146.°83 0.°8/ 5.1 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 24.29	+19 40.4	2.330	3.152	11.5	19.3
12 13	7 18.49	+19 47.5	2.255	3.157	8.5	19.1
12 23	7 10.84	+19 58.5	2.206	3.162	5.0	18.9
1 2	7 2.02	+20 11.9	2.185	3.166	1.4	18.7
1 12	6 52.95	+20 26.0	2.195	3.170	2.7	18.8
1 22	6 44.54	+20 39.4	2.235	3.174	6.3	19.0
2 1	6 37.62	+20 51.5	2.303	3.178	9.6	19.3
2 11	6 32.79	+21 1.9	2.395	3.181	12.4	19.4

84078 2002 QA_2 1 4.9 40.°78 1.°2/ 4.7 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 28.88	+26 6.7	1.381	2.229	16.5	19.2
12 13	7 22.75	+25 59.8	1.327	2.242	12.1	19.0
12 23	7 13.61	+25 51.3	1.294	2.255	7.0	18.7
1 2	7 2.66	+25 38.2	1.287	2.269	1.9	18.5
1 12	6 51.54	+25 18.9	1.308	2.283	4.1	18.6
1 22	6 41.86	+24 53.8	1.355	2.298	9.1	19.0
2 1	6 34.85	+24 25.4	1.426	2.313	13.6	19.3
2 11	6 31.21	+23 56.2	1.519	2.329	17.2	19.6

382351 2013 TS_{75} 1 4.9 30.°43 2.°6/ 5.2 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 24.82	+17 50.8	1.772	2.604	14.1	19.9
12 13	7 19.17	+17 8.2	1.710	2.615	10.5	19.7
12 23	7 11.32	+16 30.5	1.673	2.627	6.5	19.5
1 2	7 2.15	+15 58.4	1.662	2.640	2.9	19.3
1 12	6 52.83	+15 32.1	1.680	2.653	4.0	19.4
1 22	6 44.49	+15 12.1	1.727	2.666	7.8	19.7
2 1	6 38.08	+14 58.0	1.799	2.680	11.5	19.9
2 11	6 34.19	+14 49.3	1.894	2.695	14.7	20.2

424256 2007 RM_{316} 1 4.9 96.°33 4.°7/ 3.6 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 27.75	+36 21.2	2.312	3.132	11.7	21.0
12 13	7 21.27	+37 4.6	2.249	3.141	9.0	20.9
12 23	7 12.55	+37 40.5	2.211	3.151	6.3	20.7
1 2	7 2.44	+38 4.2	2.202	3.160	4.8	20.6
1 12	6 52.07	+38 12.7	2.221	3.170	5.6	20.7
1 22	6 42.58	+38 5.4	2.269	3.179	8.0	20.9
2 1	6 34.98	+37 44.7	2.344	3.188	10.7	21.0
2 11	6 29.90	+37 14.2	2.441	3.197	13.0	21.2

367584 2009 SE_{241} 1 4.9 93.°56 0.°6/ 4.8 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 29.07	+25 40.5	1.962	2.791	13.1	20.6
12 13	7 22.17	+25 21.1	1.895	2.801	9.6	20.4
12 23	7 13.02	+24 59.8	1.854	2.812	5.6	20.1
1 2	7 2.54	+24 35.0	1.841	2.823	1.4	19.9
1 12	6 51.92	+24 6.0	1.858	2.833	3.2	20.0
1 22	6 42.33	+23 33.7	1.905	2.844	7.3	20.3
2 1	6 34.73	+22 59.9	1.979	2.854	10.9	20.5
2 11	6 29.74	+22 26.5	2.076	2.864	14.0	20.8

3998 Tezuka 1 4.9 13.°37 7.°2/ 3.9 18 R

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 27.06	+34 24.4	0.964	1.834	20.1	15.0
12 13	7 22.87	+35 17.8	0.916	1.838	15.4	14.8
12 23	7 14.33	+36 1.1	0.888	1.843	10.5	14.5
1 2	7 2.91	+36 23.5	0.880	1.850	7.3	14.4
1 12	6 51.05	+36 18.6	0.896	1.859	8.8	14.5
1 22	6 41.18	+35 47.2	0.933	1.869	13.2	14.8
2 1	6 35.11	+34 56.0	0.991	1.881	17.8	15.1
2 11	6 33.63	+33 53.7	1.065	1.894	21.8	15.4

30779 Sankt-Stephan 1 4.9 58.°94 17.°8/12.2 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 26.24	−16 52.5	1.384	2.089	23.4	18.2
12 13	7 20.60	−18 42.6	1.350	2.110	21.4	18.1
12 23	7 12.31	−19 52.0	1.332	2.132	19.6	18.1
1 2	7 2.39	−20 12.9	1.330	2.153	18.3	18.0
1 12	6 52.31	−19 43.2	1.347	2.175	17.8	18.1
1 22	6 43.44	−18 27.6	1.382	2.197	18.2	18.2
2 1	6 36.94	−16 35.7	1.437	2.220	19.3	18.3
2 11	6 33.47	−14 20.4	1.508	2.242	20.7	18.5

473764 2016 EP_{54} 1 4.9 1.°36 3.°8/ 6.1 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 21.83	+10 35.0	2.102	2.913	13.0	21.0
12 13	7 16.87	+10 36.2	2.024	2.913	10.0	20.8
12 23	7 10.01	+10 49.1	1.971	2.913	6.8	20.6
1 2	7 1.90	+11 13.6	1.945	2.913	4.1	20.4
1 12	6 53.46	+11 48.1	1.948	2.913	4.5	20.5
1 22	6 45.65	+12 30.1	1.979	2.914	7.4	20.6
2 1	6 39.32	+13 16.7	2.038	2.914	10.6	20.8
2 11	6 35.13	+14 4.9	2.120	2.915	13.5	21.0

27863 1995 DZ_5 1 4.9 107.°05 0.°8/ 4.7 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 27.94	+24 6.6	1.925	2.756	13.2	19.9
12 13	7 21.46	+24 25.2	1.862	2.769	9.7	19.7
12 23	7 12.69	+24 45.0	1.824	2.782	5.6	19.5
1 2	7 2.50	+25 2.8	1.813	2.795	1.5	19.2
1 12	6 52.07	+25 15.9	1.833	2.808	3.3	19.4
1 22	6 42.61	+25 23.1	1.882	2.820	7.4	19.7
2 1	6 35.10	+25 24.9	1.957	2.832	11.1	19.9
2 11	6 30.20	+25 22.3	2.056	2.843	14.1	20.1

30825 1990 TG_1 1 4.9 306.°72 5.°6/ 5.3 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 33.86	+ 9 37.7	1.921	2.712	14.8	19.1
12 13	7 26.81	+ 9 5.2	1.769	2.645	12.0	18.8
12 23	7 16.60	+ 8 42.2	1.641	2.575	8.6	18.4
1 2	7 3.60	+ 8 31.2	1.540	2.503	5.8	18.1
1 12	6 48.80	+ 8 33.8	1.470	2.429	6.7	18.0
1 22	6 33.63	+ 8 50.2	1.431	2.352	10.8	18.0
2 1	6 19.70	+ 9 19.1	1.419	2.274	15.7	18.1
2 11	6 8.46	+ 9 58.0	1.430	2.192	20.4	18.2

384455 2010 AY_{117} 1 4.9 107.°56 4.°2/ 6.7 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 21.76	+ 6 50.3	2.491	3.281	11.8	21.3
12 13	7 16.52	+ 7 4.7	2.416	3.288	9.3	21.1
12 23	7 9.68	+ 7 32.0	2.366	3.296	6.6	21.0
1 2	7 1.82	+ 8 11.9	2.344	3.303	4.5	20.8
1 12	6 53.72	+ 9 2.5	2.352	3.310	4.6	20.9
1 22	6 46.16	+10 1.1	2.390	3.317	6.7	21.0
2 1	6 39.86	+11 4.3	2.456	3.324	9.4	21.2
2 11	6 35.36	+12 8.8	2.548	3.331	11.8	21.4

271261 2003 UP_{141} 1 4.9 101.°11 0.°2/ 4.9 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 24.55	+20 23.5	2.141	2.969	12.2	20.5
12 13	7 18.86	+20 50.4	2.071	2.976	8.9	20.4
12 23	7 11.16	+21 21.9	2.026	2.984	5.2	20.1
1 2	7 2.17	+21 55.3	2.010	2.992	1.2	19.9
1 12	6 52.89	+22 27.9	2.024	2.999	2.9	20.0
1 22	6 44.34	+22 57.5	2.067	3.007	6.7	20.3
2 1	6 37.40	+23 22.8	2.138	3.014	10.2	20.5
2 11	6 32.73	+23 43.8	2.232	3.021	13.1	20.7

411388 2010 VN_{86} 1 4.9 29.°86 2.°1/ 4.4 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 25.68	+24 36.0	1.219	2.078	17.5	20.3
12 13	7 20.73	+25 26.7	1.176	2.097	12.7	20.1
12 23	7 12.60	+26 20.2	1.155	2.117	7.4	19.9
1 2	7 2.51	+27 9.8	1.157	2.138	2.5	19.6
1 12	6 52.19	+27 49.6	1.186	2.160	4.8	19.9
1 22	6 43.36	+28 16.8	1.240	2.184	9.8	20.2
2 1	6 37.33	+28 31.8	1.318	2.208	14.2	20.5
2 11	6 34.79	+28 36.7	1.415	2.233	17.9	20.8

165772 2001 QL_{251} 1 4.9 155.°29 2.°2/ 5.5 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 22.83	+14 51.0	2.638	3.448	10.7	20.9
12 13	7 17.23	+14 45.8	2.561	3.454	8.0	20.7
12 23	7 10.06	+14 46.7	2.510	3.458	5.1	20.5
1 2	7 1.92	+14 53.4	2.488	3.463	2.5	20.4
1 12	6 53.55	+15 4.8	2.497	3.467	3.1	20.4
1 22	6 45.74	+15 19.8	2.536	3.471	5.9	20.6
2 1	6 39.18	+15 37.2	2.604	3.475	8.8	20.8
2 11	6 34.40	+15 55.8	2.696	3.478	11.3	21.0

37984 1998 HA_{138} 1 4.9 148.°67 3.°8/ 6.1 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 23.99	+10 3.3	2.332	3.132	12.2	19.9
12 13	7 18.22	+ 9 58.1	2.258	3.139	9.4	19.7
12 23	7 10.70	+10 3.5	2.208	3.146	6.5	19.5
1 2	7 2.07	+10 19.4	2.187	3.153	4.1	19.4
1 12	6 53.19	+10 44.7	2.196	3.158	4.4	19.4
1 22	6 44.93	+11 17.4	2.234	3.164	7.0	19.6
2 1	6 38.08	+11 55.2	2.301	3.169	9.9	19.8
2 11	6 33.21	+12 35.5	2.391	3.174	12.5	19.9

125142 2001 UF_{64} 1 4.9 358.°16 1.°6/ 5.0 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 28.32	+20 33.0	1.321	2.168	17.1	19.2
12 13	7 22.60	+20 3.4	1.253	2.167	12.7	18.9
12 23	7 13.74	+19 37.6	1.206	2.166	7.6	18.6
1 2	7 2.80	+19 14.7	1.185	2.166	2.4	18.3
1 12	6 51.42	+18 54.2	1.190	2.166	4.4	18.4
1 22	6 41.27	+18 36.3	1.221	2.166	9.7	18.7
2 1	6 33.76	+18 21.5	1.276	2.167	14.6	19.0
2 11	6 29.72	+18 10.3	1.352	2.168	18.6	19.3

104731 2000 HB_2 1 4.9 309.°97 1.°4/ 5.3 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 23.15	+17 47.5	2.202	3.026	12.0	20.3
12 13	7 17.81	+17 52.2	2.123	3.025	8.9	20.1
12 23	7 10.55	+18 2.7	2.069	3.024	5.4	19.9
1 2	7 2.05	+18 17.7	2.044	3.023	1.9	19.7
1 12	6 53.24	+18 35.5	2.048	3.023	3.0	19.8
1 22	6 45.07	+18 54.4	2.082	3.022	6.7	20.0
2 1	6 38.40	+19 13.3	2.143	3.021	10.1	20.2
2 11	6 33.87	+19 31.3	2.228	3.020	13.0	20.4

237625 2001 RA_{101} 1 4.9 170.°74 0.°0/ 4.7 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 23.49	+21 47.6	2.750	3.570	10.0	21.1
12 13	7 17.74	+22 3.4	2.671	3.573	7.3	20.9
12 23	7 10.39	+22 21.3	2.618	3.575	4.3	20.7
1 2	7 2.02	+22 39.8	2.595	3.577	1.0	20.5
1 12	6 53.39	+22 56.9	2.604	3.579	2.4	20.6
1 22	6 45.31	+23 11.5	2.643	3.580	5.6	20.8
2 1	6 38.49	+23 23.0	2.711	3.581	8.5	21.0
2 11	6 33.47	+23 31.7	2.804	3.582	11.0	21.2

67397 2000 PR_4 1 4.9 97.°78 2.°9/ 5.4 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 28.83	+16 7.2	1.573	2.402	15.8	18.9
12 13	7 22.38	+15 47.0	1.512	2.415	11.8	18.7
12 23	7 13.35	+15 35.3	1.474	2.427	7.4	18.5
1 2	7 2.71	+15 31.3	1.462	2.439	3.4	18.3
1 12	6 51.83	+15 34.2	1.479	2.452	4.4	18.4
1 22	6 42.07	+15 42.3	1.524	2.463	8.7	18.7
2 1	6 34.55	+15 54.4	1.594	2.475	12.7	18.9
2 11	6 29.97	+16 8.9	1.686	2.487	16.2	19.2

459108 2012 BB_{112} 1 4.9 12.°01 5.°8/ 6.7 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 22.05	+ 8 15.7	1.291	2.125	18.3	20.8
12 13	7 17.94	+ 8 18.0	1.229	2.128	14.3	20.6
12 23	7 11.02	+ 8 41.9	1.188	2.132	10.0	20.4
1 2	7 2.22	+ 9 27.4	1.169	2.137	6.4	20.2
1 12	6 52.97	+10 31.4	1.177	2.143	6.6	20.2
1 22	6 44.76	+11 47.9	1.209	2.150	10.2	20.4
2 1	6 38.86	+13 10.1	1.265	2.158	14.4	20.7
2 11	6 36.09	+14 31.7	1.341	2.168	18.2	21.0

169597 2002 GZ_{77} 1 4.9 259.°41 1.°0/ 5.1 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 27.73	+19 51.2	1.742	2.573	14.4	21.2
12 13	7 21.82	+19 53.3	1.652	2.558	10.7	20.9
12 23	7 13.22	+20 0.8	1.585	2.543	6.4	20.6
1 2	7 2.74	+20 11.5	1.546	2.527	1.8	20.3
1 12	6 51.62	+20 23.2	1.536	2.511	3.6	20.4
1 22	6 41.23	+20 34.3	1.554	2.495	8.4	20.6
2 1	6 32.84	+20 44.0	1.598	2.479	12.7	20.8
2 11	6 27.33	+20 52.3	1.664	2.462	16.5	21.0

83666 2001 TZ_{21} 1 4.9 83.°78 4.°2/ 6.8 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 22.51	+ 6 49.5	2.372	3.163	12.3	18.8
12 13	7 17.09	+ 7 5.9	2.306	3.179	9.6	18.7
12 23	7 10.03	+ 7 35.7	2.264	3.194	6.8	18.5
1 2	7 1.96	+ 8 18.4	2.250	3.210	4.6	18.4
1 12	6 53.68	+ 9 11.8	2.267	3.225	4.6	18.4
1 22	6 46.02	+10 12.8	2.313	3.241	6.9	18.6
2 1	6 39.72	+11 17.9	2.387	3.256	9.6	18.8
2 11	6 35.30	+12 23.7	2.486	3.271	12.0	19.0

229989 1999 YR_2 1 4.9 73.°23 0.°7/ 4.8 17

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 32.58	+25 17.9	1.308	2.153	17.4	20.5
12 13	7 25.61	+25 1.7	1.252	2.166	12.8	20.2
12 23	7 15.39	+24 44.2	1.218	2.178	7.5	20.0
1 2	7 3.19	+24 22.6	1.209	2.191	1.8	19.6
1 12	6 50.81	+23 55.7	1.227	2.203	4.2	19.8
1 22	6 40.00	+23 24.6	1.273	2.216	9.6	20.2
2 1	6 32.12	+22 52.0	1.342	2.229	14.3	20.5
2 11	6 27.86	+22 20.4	1.432	2.241	18.1	20.8

177809 2005 MO_2 1 4.9 50.°67 0.°5/ 5.1 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 26.72	+16 55.2	1.527	2.363	15.8	19.5
12 13	7 21.14	+18 6.3	1.465	2.374	11.7	19.3
12 23	7 12.81	+19 30.1	1.427	2.385	6.9	19.1
1 2	7 2.64	+21 0.8	1.415	2.397	1.7	18.8
1 12	6 52.01	+22 31.2	1.432	2.408	3.6	18.9
1 22	6 42.36	+23 54.9	1.478	2.421	8.6	19.3
2 1	6 34.94	+25 8.0	1.549	2.433	12.9	19.5
2 11	6 30.58	+26 9.3	1.643	2.445	16.5	19.8

1010 Marlene 1 4.9 72.°92 0.°2/ 4.9 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 24.99	+21 49.6	2.010	2.841	12.7	15.2
12 13	7 19.29	+22 13.0	1.944	2.852	9.3	15.0
12 23	7 11.46	+22 39.8	1.903	2.862	5.4	14.8
1 2	7 2.30	+23 7.3	1.890	2.872	1.2	14.5
1 12	6 52.87	+23 32.6	1.907	2.883	3.0	14.7
1 22	6 44.26	+23 53.8	1.953	2.893	7.0	15.0
2 1	6 37.40	+24 10.4	2.026	2.904	10.6	15.2
2 11	6 32.95	+24 22.5	2.122	2.914	13.6	15.4

365541 2010 SK_{25} 1 4.9 91.°65 0.°9/ 4.7 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 28.91	+23 56.8	1.788	2.620	14.0	21.8
12 13	7 22.28	+24 19.2	1.731	2.639	10.2	21.6
12 23	7 13.23	+24 43.1	1.698	2.657	5.9	21.3
1 2	7 2.69	+25 4.9	1.693	2.674	1.5	21.1
1 12	6 51.97	+25 21.6	1.717	2.692	3.5	21.3
1 22	6 42.31	+25 31.8	1.770	2.709	7.7	21.6
2 1	6 34.78	+25 35.8	1.850	2.726	11.5	21.8
2 11	6 30.03	+25 35.1	1.952	2.743	14.7	22.1

279067 2008 WF_{45} 1 4.9 131.°99 1.°1/ 4.6 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 24.90	+24 58.5	2.384	3.210	11.2	21.3
12 13	7 19.01	+25 23.4	2.312	3.217	8.1	21.1
12 23	7 11.24	+25 49.0	2.265	3.223	4.8	20.9
1 2	7 2.26	+26 12.4	2.248	3.229	1.4	20.7
1 12	6 53.02	+26 31.3	2.262	3.235	3.0	20.8
1 22	6 44.46	+26 44.2	2.305	3.241	6.4	21.1
2 1	6 37.43	+26 51.2	2.376	3.246	9.5	21.3
2 11	6 32.52	+26 53.1	2.472	3.252	12.2	21.5

254925 2005 SW_{121} 1 4.9 276.°51 0.°4/ 4.8 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 26.68	+23 5.3	1.798	2.633	13.8	20.8
12 13	7 20.85	+23 15.9	1.722	2.631	10.2	20.5
12 23	7 12.54	+23 28.7	1.670	2.630	5.9	20.3
1 2	7 2.58	+23 41.2	1.646	2.628	1.4	20.0
1 12	6 52.22	+23 50.6	1.651	2.626	3.4	20.1
1 22	6 42.73	+23 55.6	1.684	2.625	7.9	20.4
2 1	6 35.24	+23 56.3	1.743	2.623	11.9	20.6
2 11	6 30.50	+23 53.7	1.825	2.622	15.3	20.8

65875 1997 WY_{14} 1 4.9 308.°53 5.°2/ 3.4 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 27.50	+32 40.2	1.620	2.461	14.8	19.1
12 13	7 22.24	+33 43.2	1.535	2.443	11.3	18.9
12 23	7 13.76	+34 43.5	1.474	2.424	7.7	18.6
1 2	7 2.93	+35 33.2	1.438	2.407	5.3	18.4
1 12	6 51.24	+36 5.7	1.430	2.389	6.8	18.5
1 22	6 40.38	+36 18.0	1.449	2.372	10.5	18.6
2 1	6 31.96	+36 11.4	1.491	2.355	14.5	18.8
2 11	6 27.02	+35 50.4	1.553	2.339	18.0	19.0

28239 1999 AQ_{19} 1 4.9 229.°05 2.°4/ 5.7 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 22.47	+13 39.1	2.352	3.166	11.7	19.1
12 13	7 17.25	+13 52.7	2.270	3.163	8.9	18.9
12 23	7 10.24	+14 15.3	2.212	3.160	5.7	18.7
1 2	7 2.05	+14 45.8	2.182	3.157	2.8	18.5
1 12	6 53.53	+15 22.2	2.183	3.154	3.4	18.5
1 22	6 45.55	+16 2.2	2.214	3.151	6.5	18.7
2 1	6 38.91	+16 43.7	2.272	3.148	9.7	18.9
2 11	6 34.25	+17 24.6	2.355	3.145	12.5	19.1

54194 2000 HV_{76} 1 4.9 271.°93 6.°5/ 5.8 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 26.59	+ 8 47.0	1.542	2.358	16.7	19.8
12 13	7 21.14	+ 8 2.7	1.455	2.343	13.3	19.5
12 23	7 12.92	+ 7 32.5	1.391	2.328	9.6	19.3
1 2	7 2.72	+ 7 19.2	1.351	2.312	6.8	19.1
1 12	6 51.84	+ 7 24.1	1.339	2.297	7.3	19.1
1 22	6 41.70	+ 7 45.9	1.352	2.281	10.6	19.2
2 1	6 33.61	+ 8 21.5	1.390	2.265	14.7	19.4
2 11	6 28.52	+ 9 6.4	1.448	2.249	18.4	19.6

30756 1981 ET_{39} 1 4.9 8.°74 1.°9/ 4.5 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 24.20	+27 23.8	1.824	2.665	13.4	18.6
12 13	7 19.01	+27 37.4	1.755	2.667	9.8	18.4
12 23	7 11.44	+27 49.6	1.710	2.669	5.9	18.2
1 2	7 2.33	+27 57.0	1.693	2.672	2.2	17.9
1 12	6 52.92	+27 57.0	1.703	2.676	3.8	18.1
1 22	6 44.43	+27 49.1	1.742	2.680	7.8	18.3
2 1	6 37.92	+27 34.4	1.806	2.685	11.6	18.5
2 11	6 34.10	+27 14.9	1.892	2.691	14.8	18.8

433802 2015 BU_{100} 1 4.9 11.°31 1.°3/ 4.7 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 25.05	+26 21.4	1.902	2.739	13.1	20.5
12 13	7 19.52	+26 25.9	1.831	2.741	9.6	20.3
12 23	7 11.69	+26 29.4	1.784	2.743	5.7	20.1
1 2	7 2.39	+26 29.1	1.764	2.745	1.8	19.8
1 12	6 52.79	+26 23.1	1.774	2.748	3.5	20.0
1 22	6 44.10	+26 11.0	1.812	2.751	7.5	20.2
2 1	6 37.32	+25 53.8	1.876	2.755	11.2	20.5
2 11	6 33.13	+25 33.4	1.963	2.759	14.4	20.7

370478 2003 HQ_8 1 4.9 280.°46 10.°7/ 6.9 17

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 23.06	− 6 19.4	2.055	2.793	15.7	21.3
12 13	7 18.02	− 7 21.0	1.961	2.770	13.8	21.1
12 23	7 10.88	− 8 1.9	1.888	2.748	12.0	20.9
1 2	7 2.24	− 8 16.8	1.838	2.725	10.9	20.8
1 12	6 53.03	− 8 2.9	1.812	2.702	10.9	20.7
1 22	6 44.26	− 7 20.8	1.812	2.678	12.2	20.8
2 1	6 36.92	− 6 14.2	1.836	2.655	14.2	20.8
2 11	6 31.81	− 4 49.6	1.880	2.631	16.5	21.0

334549 2002 SU_{29} 1 4.9 53.°52 3.°3/ 3.9 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 24.30	+33 14.5	2.675	3.497	10.2	20.4
12 13	7 18.38	+33 48.9	2.626	3.523	7.6	20.3
12 23	7 10.76	+34 18.2	2.603	3.550	5.0	20.2
1 2	7 2.14	+34 39.1	2.610	3.577	3.3	20.1
1 12	6 53.43	+34 49.6	2.646	3.604	4.1	20.2
1 22	6 45.49	+34 49.4	2.712	3.630	6.4	20.4
2 1	6 39.05	+34 39.6	2.805	3.657	8.9	20.6
2 11	6 34.63	+34 22.5	2.922	3.684	11.0	20.7

33625 Slepyan 1 4.9 294.°00 1.°3/ 5.2 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 26.72	+18 22.7	1.490	2.330	15.9	19.0
12 13	7 21.34	+18 38.8	1.413	2.324	11.9	18.7
12 23	7 13.07	+19 4.0	1.359	2.317	7.1	18.4
1 2	7 2.77	+19 35.5	1.330	2.311	2.1	18.1
1 12	6 51.85	+20 9.7	1.329	2.305	3.9	18.2
1 22	6 41.84	+20 43.4	1.355	2.299	9.0	18.5
2 1	6 34.10	+21 14.4	1.405	2.293	13.7	18.7
2 11	6 29.54	+21 41.8	1.477	2.287	17.6	19.0

26552 2000 DT_{74} 1 4.9 177.°38 5.°2/ 6.3 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 25.03	+ 7 12.6	2.095	2.890	13.6	18.9
12 13	7 19.21	+ 6 53.5	2.017	2.891	10.8	18.7
12 23	7 11.42	+ 6 47.8	1.964	2.892	7.8	18.5
1 2	7 2.35	+ 6 56.5	1.937	2.893	5.5	18.4
1 12	6 52.94	+ 7 19.0	1.939	2.893	5.7	18.4
1 22	6 44.18	+ 7 53.3	1.970	2.893	8.2	18.5
2 1	6 36.98	+ 8 36.4	2.028	2.893	11.2	18.7
2 11	6 31.97	+ 9 24.8	2.109	2.892	14.0	18.9

407304 2010 LM_{127} 1 4.9 42.°58 0.°3/ 4.9 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 30.01	+24 5.7	1.385	2.230	16.6	20.2
12 13	7 23.44	+23 28.3	1.334	2.248	12.1	20.0
12 23	7 14.00	+22 50.5	1.305	2.266	7.1	19.8
1 2	7 2.90	+22 11.2	1.303	2.285	1.6	19.5
1 12	6 51.78	+21 31.0	1.328	2.304	3.8	19.7
1 22	6 42.15	+20 51.3	1.380	2.324	8.9	20.0
2 1	6 35.17	+20 14.4	1.457	2.344	13.3	20.3
2 11	6 31.44	+19 41.6	1.555	2.365	16.9	20.6

39889 1998 FG 1 4.9 351.°72 3.°2/ 5.3 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 27.22	+16 51.2	1.456	2.294	16.4	18.6
12 13	7 21.57	+16 14.7	1.385	2.292	12.3	18.3
12 23	7 13.10	+15 45.1	1.336	2.291	7.8	18.1
1 2	7 2.77	+15 23.1	1.313	2.290	3.6	17.8
1 12	6 52.00	+15 8.7	1.317	2.289	4.8	17.9
1 22	6 42.30	+15 1.5	1.347	2.289	9.4	18.2
2 1	6 34.91	+15 0.7	1.403	2.289	13.8	18.4
2 11	6 30.65	+15 5.0	1.478	2.289	17.6	18.7

90647 1016 $T\text{-}_3$ 1 4.9 133.°49 1.°1/ 5.1 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 26.83	+19 44.1	2.194	3.014	12.2	20.2
12 13	7 20.41	+19 31.4	2.123	3.024	9.0	20.0
12 23	7 12.04	+19 21.9	2.078	3.033	5.3	19.8
1 2	7 2.48	+19 14.6	2.061	3.042	1.7	19.6
1 12	6 52.72	+19 8.6	2.076	3.050	3.0	19.7
1 22	6 43.74	+19 3.4	2.120	3.058	6.7	20.0
2 1	6 36.42	+18 59.0	2.192	3.066	10.1	20.2
2 11	6 31.33	+18 55.3	2.288	3.073	12.9	20.4

498324 2007 VD_{178} 1 4.9 101.°82 4.°2/ 6.2 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 22.80	+ 8 29.1	2.528	3.321	11.6	21.7
12 13	7 17.19	+ 8 8.6	2.463	3.338	9.0	21.6
12 23	7 10.07	+ 7 58.4	2.424	3.354	6.4	21.4
1 2	7 2.02	+ 7 58.9	2.413	3.371	4.5	21.3
1 12	6 53.84	+ 8 9.9	2.431	3.387	4.7	21.4
1 22	6 46.27	+ 8 29.7	2.479	3.402	6.7	21.5
2 1	6 39.99	+ 8 56.4	2.555	3.418	9.2	21.7
2 11	6 35.50	+ 9 27.7	2.655	3.433	11.6	21.9

409928 2006 UZ_{18} 1 4.9 150.°90 3.°0/ 5.5 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 26.85	+14 23.7	2.023	2.837	13.3	22.4
12 13	7 20.57	+14 6.5	1.950	2.844	10.1	22.2
12 23	7 12.21	+13 57.2	1.902	2.850	6.5	22.0
1 2	7 2.54	+13 55.6	1.882	2.856	3.4	21.8
1 12	6 52.59	+14 1.0	1.892	2.861	4.1	21.8
1 22	6 43.43	+14 12.0	1.931	2.866	7.5	22.1
2 1	6 35.97	+14 27.4	1.997	2.870	10.9	22.3
2 11	6 30.87	+14 45.4	2.086	2.874	13.9	22.5

326975 2004 MJ 1 4.9 62.°31 2.°7/ 4.1 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 28.17	+26 54.7	1.704	2.542	14.3	20.1
12 13	7 21.99	+27 53.7	1.652	2.562	10.5	19.9
12 23	7 13.19	+28 52.8	1.624	2.582	6.3	19.7
1 2	7 2.77	+29 45.7	1.624	2.602	2.9	19.5
1 12	6 52.08	+30 27.5	1.653	2.622	4.6	19.7
1 22	6 42.50	+30 56.1	1.710	2.643	8.4	20.0
2 1	6 35.16	+31 11.9	1.793	2.663	12.1	20.2
2 11	6 30.77	+31 17.3	1.897	2.684	15.2	20.5

488768 2004 TT_{145} 1 4.9 96.°50 4.°7/ 4.1 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 33.16	+32 33.8	1.551	2.386	15.7	21.3
12 13	7 25.98	+33 18.5	1.496	2.401	11.8	21.1
12 23	7 15.65	+33 56.7	1.464	2.415	7.7	20.9
1 2	7 3.34	+34 21.4	1.458	2.429	4.8	20.8
1 12	6 50.75	+34 28.2	1.480	2.442	6.1	20.9
1 22	6 39.59	+34 17.0	1.530	2.456	9.8	21.1
2 1	6 31.20	+33 51.2	1.604	2.469	13.6	21.4
2 11	6 26.32	+33 16.2	1.699	2.482	16.8	21.6

405592 2005 SV_{46} 1 4.9 39.°86 6.°0/ 4.1 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 30.52	+35 21.2	1.414	2.256	16.5	20.2
12 13	7 24.19	+36 7.0	1.371	2.277	12.5	20.0
12 23	7 14.60	+36 42.6	1.350	2.298	8.6	19.8
1 2	7 3.08	+37 0.5	1.355	2.320	6.1	19.8
1 12	6 51.45	+36 57.0	1.386	2.343	7.2	19.9
1 22	6 41.47	+36 33.1	1.442	2.366	10.5	20.1
2 1	6 34.43	+35 53.7	1.523	2.390	14.1	20.4
2 11	6 30.99	+35 4.9	1.623	2.414	17.2	20.7

15709 1988 XH_1 1 4.9 119.°11 2.°9/ 3.9 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 29.21	+28 24.8	2.114	2.940	12.4	17.7
12 13	7 22.45	+29 28.2	2.052	2.955	9.1	17.5
12 23	7 13.39	+30 30.5	2.016	2.969	5.6	17.3
1 2	7 2.83	+31 26.3	2.009	2.984	3.0	17.2
1 12	6 51.93	+32 11.0	2.032	2.997	4.4	17.3
1 22	6 41.88	+32 42.5	2.085	3.011	7.7	17.5
2 1	6 33.71	+33 1.1	2.166	3.024	10.9	17.8
2 11	6 28.13	+33 9.2	2.269	3.036	13.6	18.0

288315 2004 BM_{37} 1 4.9 313.°07 2.°3/ 4.6 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 28.97	+28 12.7	1.673	2.512	14.5	21.2
12 13	7 22.78	+28 24.4	1.600	2.510	10.8	21.0
12 23	7 13.79	+28 33.5	1.550	2.508	6.5	20.7
1 2	7 2.95	+28 35.9	1.527	2.506	2.6	20.5
1 12	6 51.69	+28 28.7	1.532	2.504	4.3	20.6
1 22	6 41.49	+28 11.6	1.565	2.503	8.7	20.9
2 1	6 33.60	+27 46.7	1.624	2.501	12.8	21.1
2 11	6 28.81	+27 17.1	1.704	2.500	16.3	21.3

39107 2000 WS_{24} 1 4.9 114.°30 3.°5/ 5.9 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 28.91	+12 16.0	1.882	2.691	14.4	19.9
12 13	7 22.06	+12 13.2	1.823	2.712	10.9	19.8
12 23	7 13.05	+12 21.3	1.788	2.733	7.1	19.6
1 2	7 2.74	+12 39.7	1.781	2.753	3.9	19.4
1 12	6 52.25	+13 6.4	1.804	2.772	4.4	19.5
1 22	6 42.72	+13 39.0	1.856	2.790	7.8	19.7
2 1	6 35.07	+14 14.8	1.935	2.808	11.2	20.0
2 11	6 29.93	+14 51.5	2.037	2.825	14.2	20.2

400110 2006 TC_{125} 1 4.9 105.°29 0.°6/ 4.8 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 29.07	+23 51.9	1.924	2.753	13.3	21.3
12 13	7 22.27	+24 1.1	1.864	2.770	9.7	21.1
12 23	7 13.21	+24 11.4	1.828	2.786	5.6	20.9
1 2	7 2.78	+24 19.7	1.821	2.803	1.4	20.6
1 12	6 52.17	+24 24.1	1.844	2.819	3.2	20.8
1 22	6 42.57	+24 23.7	1.896	2.834	7.3	21.1
2 1	6 34.96	+24 19.1	1.975	2.849	11.0	21.3
2 11	6 29.97	+24 11.6	2.077	2.864	14.0	21.6

45535 2000 CK_{25} 1 4.9 173.°10 3.°7/ 6.0 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 22.83	+10 45.8	2.272	3.078	12.3	19.6
12 13	7 17.52	+10 40.3	2.193	3.079	9.5	19.4
12 23	7 10.42	+10 45.1	2.139	3.079	6.4	19.2
1 2	7 2.16	+11 0.3	2.112	3.080	4.0	19.0
1 12	6 53.59	+11 24.8	2.116	3.080	4.3	19.1
1 22	6 45.62	+11 56.7	2.148	3.080	7.0	19.2
2 1	6 39.04	+12 33.5	2.208	3.080	10.1	19.4
2 11	6 34.47	+13 12.9	2.292	3.080	12.8	19.6

148697 2001 SH_{261} 1 4.9 63.°01 0.°0/ 4.8 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 27.39	+22 13.7	1.666	2.503	14.6	20.3
12 13	7 21.34	+22 20.4	1.607	2.517	10.7	20.1
12 23	7 12.79	+22 30.1	1.572	2.532	6.2	19.9
1 2	7 2.71	+22 40.0	1.564	2.546	1.4	19.6
1 12	6 52.41	+22 47.9	1.585	2.561	3.4	19.8
1 22	6 43.20	+22 52.6	1.633	2.575	7.9	20.1
2 1	6 36.15	+22 54.0	1.708	2.590	11.9	20.4
2 11	6 31.94	+22 52.9	1.804	2.605	15.3	20.6

297422 2000 SO_{59} 1 4.9 86.°82 0.°8/ 4.8 17

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 31.61	+24 9.5	1.553	2.389	15.6	21.5
12 13	7 24.49	+24 22.8	1.501	2.411	11.4	21.3
12 23	7 14.62	+24 37.2	1.473	2.432	6.6	21.1
1 2	7 3.12	+24 48.9	1.472	2.454	1.7	20.8
1 12	6 51.48	+24 55.0	1.499	2.474	3.8	21.0
1 22	6 41.19	+24 54.9	1.555	2.495	8.4	21.3
2 1	6 33.38	+24 49.4	1.636	2.515	12.6	21.6
2 11	6 28.73	+24 40.4	1.739	2.535	16.0	21.9

104586 2000 GP_{85} 1 4.9 220.°49 3.°1/ 5.9 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 25.44	+11 26.3	2.313	3.115	12.3	20.8
12 13	7 19.53	+11 40.7	2.220	3.105	9.4	20.6
12 23	7 11.67	+12 6.1	2.152	3.095	6.2	20.4
1 2	7 2.48	+12 41.5	2.113	3.084	3.5	20.2
1 12	6 52.83	+13 25.2	2.105	3.073	3.9	20.2
1 22	6 43.68	+14 14.4	2.127	3.061	7.0	20.4
2 1	6 35.92	+15 6.2	2.177	3.048	10.3	20.6
2 11	6 30.23	+15 58.2	2.252	3.035	13.2	20.7

34079 Samoylova 1 4.9 55.°82 3.°5/ 4.1 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 29.83	+27 39.1	1.343	2.192	16.8	17.9
12 13	7 23.86	+28 39.6	1.290	2.204	12.4	17.7
12 23	7 14.58	+29 40.1	1.259	2.217	7.6	17.5
1 2	7 3.16	+30 32.7	1.253	2.231	3.7	17.3
1 12	6 51.34	+31 11.0	1.275	2.244	5.6	17.4
1 22	6 40.90	+31 32.4	1.322	2.258	10.1	17.7
2 1	6 33.30	+31 38.5	1.394	2.272	14.4	18.0
2 11	6 29.35	+31 33.1	1.485	2.286	18.0	18.3

206879 2004 FC_{148} 1 4.9 251.°62 6.°1/ 3.3 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 29.53	+42 33.5	2.540	3.341	11.3	20.0
12 13	7 22.75	+43 14.1	2.462	3.334	9.2	19.9
12 23	7 13.61	+43 44.1	2.409	3.326	7.2	19.7
1 2	7 2.92	+43 58.2	2.383	3.319	6.2	19.7
1 12	6 51.86	+43 53.2	2.386	3.311	6.8	19.7
1 22	6 41.64	+43 29.2	2.417	3.303	8.7	19.8
2 1	6 33.33	+42 48.8	2.474	3.296	10.9	19.9
2 11	6 27.64	+41 56.7	2.553	3.288	13.1	20.1

455513 2003 WP_{97} 1 4.9 20.°77 7.°0/ 2.9 16

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 23.13	+28 48.3	0.820	1.705	21.1	20.0
12 13	7 20.12	+31 4.5	0.794	1.725	15.6	19.7
12 23	7 12.82	+33 17.6	0.787	1.748	10.2	19.5
1 2	7 2.78	+35 11.4	0.801	1.773	7.0	19.5
1 12	6 52.44	+36 33.2	0.837	1.801	9.1	19.7
1 22	6 44.18	+37 19.8	0.895	1.831	13.7	20.1
2 1	6 39.70	+37 35.1	0.972	1.862	18.1	20.4
2 11	6 39.68	+37 27.2	1.066	1.896	21.7	20.8

283961 2004 RB_{19} 1 4.9 166.°93 1.°5/ 5.3 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 29.49	+17 38.1	1.976	2.793	13.5	22.0
12 13	7 22.64	+17 46.4	1.900	2.799	10.0	21.8
12 23	7 13.52	+18 1.2	1.850	2.804	6.0	21.5
1 2	7 2.91	+18 20.6	1.829	2.808	2.1	21.3
1 12	6 51.95	+18 42.3	1.837	2.812	3.3	21.4
1 22	6 41.80	+19 4.4	1.876	2.814	7.4	21.6
2 1	6 33.50	+19 25.6	1.942	2.816	11.2	21.9
2 11	6 27.73	+19 45.3	2.032	2.817	14.3	22.1

174904 2004 BP_{122} 1 4.9 19.°07 0.°8/ 4.8 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 26.62	+23 46.0	1.506	2.351	15.5	20.2
12 13	7 21.20	+24 3.1	1.440	2.354	11.4	20.0
12 23	7 12.93	+24 22.9	1.396	2.357	6.7	19.7
1 2	7 2.80	+24 41.6	1.379	2.361	1.7	19.4
1 12	6 52.26	+24 55.6	1.389	2.364	3.9	19.5
1 22	6 42.80	+25 3.4	1.426	2.369	8.8	19.8
2 1	6 35.70	+25 5.1	1.487	2.374	13.2	20.1
2 11	6 31.75	+25 2.1	1.570	2.379	16.8	20.4

66396 1999 KQ_{13} 1 4.9 288.°12 2.°2/ 5.2 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 27.85	+18 33.8	1.518	2.355	15.8	18.4
12 13	7 22.11	+18 8.6	1.439	2.347	11.9	18.2
12 23	7 13.50	+17 48.8	1.382	2.339	7.3	17.9
1 2	7 2.96	+17 33.9	1.352	2.331	2.8	17.6
1 12	6 51.86	+17 23.3	1.349	2.323	4.3	17.7
1 22	6 41.72	+17 16.4	1.373	2.316	9.1	17.9
2 1	6 33.85	+17 13.1	1.422	2.308	13.7	18.2
2 11	6 29.11	+17 12.8	1.493	2.301	17.6	18.4

77763 2001 PU_{49} 1 4.9 177.°99 13.°3/ 2.0 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 52.89	+61 57.6	2.123	2.836	15.9	19.1
12 13	7 42.07	+63 20.8	2.071	2.838	14.7	19.0
12 23	7 25.78	+64 18.3	2.039	2.838	13.7	18.9
1 2	7 5.80	+64 38.7	2.029	2.839	13.3	18.9
1 12	6 45.30	+64 15.9	2.040	2.839	13.7	18.9
1 22	6 27.56	+63 12.4	2.074	2.839	14.7	19.0
2 1	6 14.79	+61 37.1	2.128	2.838	16.0	19.1
2 11	6 7.75	+59 41.8	2.199	2.837	17.3	19.2

122712 2000 SS_{32} 1 4.9 185.°72 1.°6/ 5.4 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 28.67	+16 52.6	2.110	2.924	12.8	21.4
12 13	7 21.99	+17 3.5	2.028	2.925	9.6	21.2
12 23	7 13.14	+17 21.3	1.971	2.924	5.8	21.0
1 2	7 2.85	+17 44.4	1.944	2.923	2.2	20.7
1 12	6 52.16	+18 10.4	1.947	2.920	3.3	20.8
1 22	6 42.15	+18 37.3	1.980	2.917	7.1	21.0
2 1	6 33.83	+19 3.6	2.041	2.914	10.8	21.2
2 11	6 27.89	+19 28.4	2.126	2.909	13.9	21.4

23914 1998 SO_{129} 1 4.9 68.°53 1.°1/ 4.6 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 25.47	+24 53.8	2.040	2.873	12.5	18.2
12 13	7 19.75	+25 16.4	1.970	2.878	9.2	18.0
12 23	7 11.84	+25 39.9	1.925	2.883	5.4	17.8
1 2	7 2.54	+26 1.2	1.907	2.889	1.6	17.5
1 12	6 52.94	+26 17.5	1.920	2.894	3.3	17.6
1 22	6 44.13	+26 27.4	1.961	2.899	7.1	17.9
2 1	6 37.11	+26 31.1	2.030	2.905	10.7	18.1
2 11	6 32.52	+26 29.7	2.121	2.910	13.7	18.3

162416 2000 EH_{26} 1 4.9 280.°93 0.°3/ 4.9 05 C

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 37.98	+20 58.5	1.408	2.236	17.3	25.1
12 13	7 30.95	+21 11.1	1.285	2.190	13.3	24.7
12 23	7 19.66	+21 31.1	1.184	2.141	8.1	24.3
1 2	7 4.63	+21 54.6	1.109	2.091	2.0	23.8
1 12	6 47.35	+22 16.3	1.063	2.038	4.8	23.8
1 22	6 30.02	+22 32.1	1.044	1.983	11.7	24.0
2 1	6 15.04	+22 41.1	1.051	1.926	18.3	24.2
2 11	6 4.25	+22 45.4	1.077	1.867	24.0	24.3

299420 2005 YW_{105} 1 4.9 232.°31 0.°4/ 5.0 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 28.75	+20 27.0	1.665	2.498	14.9	21.3
12 13	7 22.68	+20 46.2	1.583	2.491	11.0	21.1
12 23	7 13.84	+21 11.4	1.525	2.483	6.5	20.8
1 2	7 3.06	+21 39.6	1.493	2.475	1.6	20.4
1 12	6 51.66	+22 7.3	1.490	2.466	3.6	20.6
1 22	6 41.09	+22 31.8	1.516	2.457	8.5	20.8
2 1	6 32.65	+22 52.0	1.567	2.448	12.9	21.1
2 11	6 27.23	+23 8.0	1.640	2.438	16.7	21.3

435208 2007 RD_{213} 1 4.9 82.°20 4.°1/ 6.2 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 23.60	+ 9 36.8	2.288	3.089	12.4	21.0
12 13	7 17.92	+ 9 20.6	2.229	3.109	9.6	20.8
12 23	7 10.58	+ 9 15.1	2.194	3.130	6.6	20.7
1 2	7 2.24	+ 9 20.6	2.187	3.150	4.4	20.6
1 12	6 53.77	+ 9 36.2	2.210	3.170	4.6	20.6
1 22	6 46.01	+10 0.2	2.262	3.190	7.0	20.8
2 1	6 39.69	+10 30.3	2.342	3.209	9.8	21.0
2 11	6 35.34	+11 4.0	2.445	3.229	12.2	21.2

325840 2010 TJ_{14} 1 4.9 346.°77 8.°3/ 3.5 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 31.73	+40 52.6	1.527	2.356	16.2	21.1
12 13	7 25.59	+41 49.6	1.461	2.352	13.0	20.8
12 23	7 15.79	+42 33.2	1.417	2.348	10.0	20.7
1 2	7 3.53	+42 54.1	1.397	2.345	8.3	20.6
1 12	6 50.71	+42 46.6	1.404	2.342	9.3	20.6
1 22	6 39.33	+42 11.0	1.435	2.340	12.1	20.8
2 1	6 31.02	+41 12.9	1.489	2.339	15.4	21.0
2 11	6 26.68	+40 0.8	1.563	2.338	18.4	21.2

518618 2008 CE_{218} 1 4.9 217.°83 3.°6/ 6.0 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 25.25	+11 10.4	2.141	2.947	13.0	22.2
12 13	7 19.50	+11 13.1	2.054	2.940	10.0	22.0
12 23	7 11.72	+11 26.9	1.991	2.933	6.7	21.7
1 2	7 2.57	+11 51.7	1.956	2.925	3.9	21.5
1 12	6 52.98	+12 25.8	1.951	2.917	4.3	21.6
1 22	6 43.96	+13 6.8	1.975	2.909	7.4	21.7
2 1	6 36.44	+13 52.0	2.027	2.900	10.8	21.9
2 11	6 31.14	+14 38.7	2.103	2.891	13.8	22.1

365227 2009 HJ_{92} 1 4.9 121.°25 1.°6/ 5.3 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 27.68	+17 36.8	2.143	2.960	12.6	21.7
12 13	7 21.06	+17 36.6	2.079	2.977	9.3	21.5
12 23	7 12.48	+17 41.8	2.040	2.994	5.6	21.3
1 2	7 2.70	+17 51.2	2.031	3.010	2.1	21.1
1 12	6 52.75	+18 3.1	2.051	3.025	3.1	21.2
1 22	6 43.63	+18 16.3	2.102	3.040	6.7	21.4
2 1	6 36.20	+18 29.7	2.181	3.055	10.1	21.7
2 11	6 31.04	+18 42.8	2.284	3.069	13.0	21.9

59337 1999 CT_{111} 1 4.9 34.°46 0.°2/ 4.9 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 25.66	+23 6.2	1.987	2.819	12.8	18.5
12 13	7 19.83	+22 49.5	1.917	2.824	9.4	18.3
12 23	7 11.86	+22 33.6	1.871	2.830	5.5	18.1
1 2	7 2.57	+22 17.0	1.854	2.836	1.3	17.8
1 12	6 53.07	+21 59.1	1.867	2.843	3.0	17.9
1 22	6 44.43	+21 39.9	1.908	2.849	7.1	18.2
2 1	6 37.61	+21 20.2	1.976	2.856	10.7	18.4
2 11	6 33.22	+21 1.0	2.068	2.863	13.8	18.7

256290 2006 WL_{128} 1 4.9 294.°00 2.°1/ 4.4 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 27.25	+26 21.2	1.757	2.595	14.0	21.0
12 13	7 21.51	+26 56.6	1.682	2.592	10.3	20.8
12 23	7 13.11	+27 33.0	1.630	2.588	6.2	20.5
1 2	7 2.90	+28 5.5	1.606	2.585	2.4	20.3
1 12	6 52.19	+28 29.9	1.610	2.582	4.2	20.4
1 22	6 42.36	+28 44.4	1.642	2.579	8.4	20.6
2 1	6 34.62	+28 49.0	1.700	2.576	12.4	20.8
2 11	6 29.81	+28 45.9	1.780	2.573	15.8	21.1

298823 2004 RA_{79} 1 4.9 106.°87 1.°3/ 4.7 17

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 33.18	+25 20.9	1.780	2.606	14.3	21.4
12 13	7 25.39	+25 42.0	1.727	2.631	10.5	21.3
12 23	7 15.09	+26 2.9	1.699	2.656	6.1	21.0
1 2	7 3.30	+26 19.4	1.699	2.680	1.8	20.8
1 12	6 51.40	+26 28.7	1.729	2.702	3.7	21.0
1 22	6 40.74	+26 30.1	1.788	2.725	7.9	21.3
2 1	6 32.37	+26 24.8	1.874	2.746	11.6	21.6
2 11	6 26.93	+26 15.0	1.983	2.766	14.7	21.8

160935 2001 YV_{68} 1 4.9 262.°45 1.°5/ 4.6 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 28.60	+24 10.5	1.572	2.413	15.2	20.1
12 13	7 22.83	+24 49.4	1.493	2.404	11.3	19.9
12 23	7 14.06	+25 32.3	1.436	2.396	6.7	19.6
1 2	7 3.16	+26 14.1	1.406	2.387	2.0	19.3
1 12	6 51.57	+26 49.7	1.404	2.379	4.2	19.4
1 22	6 40.86	+27 15.8	1.430	2.370	9.1	19.7
2 1	6 32.47	+27 32.1	1.481	2.361	13.6	19.9
2 11	6 27.34	+27 40.1	1.553	2.352	17.4	20.1

226737 2004 QA_{28} 1 4.9 115.°35 1.°6/ 5.4 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 25.47	+17 17.7	2.057	2.879	12.8	21.2
12 13	7 19.62	+17 24.8	1.987	2.888	9.5	21.0
12 23	7 11.73	+17 38.5	1.942	2.896	5.8	20.8
1 2	7 2.56	+17 57.1	1.925	2.905	2.1	20.6
1 12	6 53.11	+18 18.7	1.938	2.913	3.2	20.7
1 22	6 44.42	+18 41.5	1.980	2.920	6.9	20.9
2 1	6 37.40	+19 3.9	2.050	2.928	10.5	21.2
2 11	6 32.68	+19 25.1	2.143	2.936	13.5	21.4

81110 2000 ET_{120} 1 4.9 98.°95 0.°3/ 5.0 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 30.26	+19 18.7	1.473	2.309	16.3	19.1
12 13	7 23.80	+19 59.2	1.415	2.324	12.0	18.9
12 23	7 14.43	+20 48.0	1.380	2.339	7.0	18.7
1 2	7 3.21	+21 40.5	1.371	2.353	1.7	18.4
1 12	6 51.62	+22 31.3	1.391	2.367	3.7	18.5
1 22	6 41.21	+23 16.5	1.438	2.381	8.8	18.9
2 1	6 33.25	+23 54.3	1.511	2.394	13.2	19.2
2 11	6 28.54	+24 24.7	1.606	2.407	16.8	19.4

171364 2006 LG_{1} 1 4.9 70.°79 8.°0/ 7.9 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 23.11	− 2 29.1	2.237	2.988	14.2	20.1
12 13	7 17.56	− 3 6.7	2.185	3.014	11.9	20.0
12 23	7 10.37	− 3 25.3	2.156	3.039	9.8	19.9
1 2	7 2.23	− 3 22.8	2.153	3.064	8.3	19.9
1 12	6 53.97	− 2 59.3	2.176	3.088	8.1	19.9
1 22	6 46.44	− 2 17.3	2.227	3.113	9.3	20.0
2 1	6 40.36	− 1 21.0	2.303	3.137	11.2	20.2
2 11	6 36.22	− 0 15.3	2.402	3.162	13.1	20.4

20028 1992 EZ_{21} 1 4.9 113.°90 2.°6/ 5.9 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 24.26	+13 17.0	2.078	2.893	13.0	18.9
12 13	7 18.76	+13 37.0	2.004	2.899	9.8	18.7
12 23	7 11.27	+14 7.5	1.955	2.904	6.2	18.5
1 2	7 2.48	+14 47.1	1.933	2.909	3.0	18.3
1 12	6 53.35	+15 33.1	1.942	2.914	3.6	18.3
1 22	6 44.89	+16 22.4	1.980	2.918	7.0	18.5
2 1	6 38.01	+17 12.2	2.045	2.923	10.5	18.7
2 11	6 33.35	+18 0.3	2.134	2.928	13.5	19.0

426925 2013 WG_{109} 1 4.9 22.°69 3.°7/ 5.4 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 23.78	+14 39.3	1.823	2.649	14.0	20.1
12 13	7 18.50	+13 52.1	1.758	2.657	10.6	19.9
12 23	7 11.11	+13 12.4	1.717	2.666	7.0	19.7
1 2	7 2.42	+12 41.3	1.704	2.675	4.0	19.6
1 12	6 53.54	+12 19.6	1.718	2.686	4.7	19.6
1 22	6 45.53	+12 7.1	1.760	2.696	8.0	19.8
2 1	6 39.31	+12 2.9	1.829	2.707	11.5	20.1
2 11	6 35.51	+12 5.3	1.919	2.719	14.5	20.3

382130 2011 JR_{27} 1 4.9 209.°89 2.°4/ 4.0 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 25.58	+27 42.5	2.293	3.121	11.5	20.8
12 13	7 19.83	+28 35.9	2.215	3.120	8.5	20.6
12 23	7 11.95	+29 29.7	2.163	3.118	5.2	20.4
1 2	7 2.65	+30 19.1	2.140	3.117	2.6	20.2
1 12	6 52.91	+31 0.4	2.147	3.115	3.9	20.3
1 22	6 43.79	+31 31.1	2.184	3.113	7.2	20.5
2 1	6 36.27	+31 51.0	2.248	3.111	10.3	20.7
2 11	6 31.06	+32 1.6	2.336	3.109	13.1	20.9

375591 2008 VP_{29} 1 4.9 102.°35 1.°6/ 5.3 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 25.21	+18 22.5	2.258	3.078	11.9	21.1
12 13	7 19.23	+18 5.3	2.188	3.088	8.8	20.9
12 23	7 11.43	+17 52.2	2.144	3.098	5.3	20.8
1 2	7 2.50	+17 42.6	2.129	3.108	2.0	20.5
1 12	6 53.39	+17 35.9	2.144	3.118	3.0	20.6
1 22	6 45.03	+17 31.5	2.189	3.128	6.5	20.9
2 1	6 38.20	+17 29.0	2.262	3.137	9.7	21.1
2 11	6 33.49	+17 28.2	2.358	3.146	12.5	21.3

124307 2001 QY_{64} 1 4.9 178.°90 1.°8/ 5.5 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 28.94	+16 11.4	1.731	2.555	14.8	19.8
12 13	7 22.62	+16 33.5	1.655	2.556	11.1	19.5
12 23	7 13.73	+17 5.4	1.603	2.557	6.8	19.3
1 2	7 3.09	+17 44.9	1.578	2.558	2.5	19.0
1 12	6 51.97	+18 28.4	1.583	2.558	3.7	19.1
1 22	6 41.67	+19 12.4	1.616	2.557	8.1	19.4
2 1	6 33.40	+19 54.5	1.676	2.556	12.3	19.6
2 11	6 27.95	+20 33.0	1.759	2.554	15.8	19.8

251061 2006 SJ_{14} 1 4.9 137.°53 0.°5/ 4.8 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 29.50	+23 56.3	2.070	2.894	12.7	21.4
12 13	7 22.57	+24 4.8	2.002	2.906	9.3	21.2
12 23	7 13.46	+24 13.9	1.960	2.917	5.4	21.0
1 2	7 2.99	+24 21.2	1.946	2.928	1.3	20.8
1 12	6 52.29	+24 24.5	1.963	2.938	3.1	20.9
1 22	6 42.50	+24 23.2	2.010	2.948	7.0	21.2
2 1	6 34.56	+24 17.7	2.085	2.957	10.6	21.4
2 11	6 29.13	+24 9.4	2.183	2.966	13.6	21.6

395124 2009 XX_{7} 1 4.9 335.°12 0.°6/ 5.0 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 28.24	+22 6.8	1.197	2.052	18.0	20.3
12 13	7 23.06	+21 50.9	1.127	2.045	13.4	20.0
12 23	7 14.38	+21 38.2	1.078	2.039	8.0	19.7
1 2	7 3.28	+21 26.6	1.052	2.034	2.0	19.3
1 12	6 51.55	+21 14.2	1.052	2.029	4.4	19.4
1 22	6 41.09	+21 0.6	1.077	2.025	10.3	19.8
2 1	6 33.50	+20 46.9	1.125	2.021	15.6	20.0
2 11	6 29.72	+20 34.0	1.192	2.018	20.1	20.3

329627 2003 RP_{24} 1 4.9 60.°20 0.°2/ 4.9 18 R

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 26.66	+22 58.8	1.962	2.793	13.0	20.0
12 13	7 20.59	+22 44.2	1.893	2.800	9.5	19.7
12 23	7 12.34	+22 30.4	1.849	2.807	5.6	19.5
1 2	7 2.74	+22 16.1	1.832	2.814	1.3	19.2
1 12	6 52.93	+22 0.4	1.845	2.821	3.0	19.4
1 22	6 44.01	+21 43.2	1.888	2.829	7.1	19.7
2 1	6 36.95	+21 25.3	1.957	2.836	10.8	19.9
2 11	6 32.37	+21 7.6	2.049	2.844	13.9	20.1

378996 2008 UD_{314} 1 4.9 18.°67 6.°0/ 3.3 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 27.40	+36 36.7	1.830	2.661	13.8	19.9
12 13	7 21.75	+37 38.7	1.768	2.666	10.7	19.7
12 23	7 13.29	+38 32.8	1.730	2.670	7.7	19.6
1 2	7 3.00	+39 12.0	1.718	2.675	6.0	19.5
1 12	6 52.28	+39 31.7	1.734	2.681	7.0	19.6
1 22	6 42.60	+39 30.8	1.776	2.687	9.8	19.7
2 1	6 35.23	+39 12.0	1.843	2.694	12.8	19.9
2 11	6 30.95	+38 40.2	1.932	2.701	15.5	20.1

359195 2009 DQ_{11} 1 4.9 261.°71 0.°0/ 4.8 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 28.12	+21 56.2	1.765	2.598	14.2	21.7
12 13	7 22.23	+22 9.2	1.674	2.582	10.5	21.4
12 23	7 13.63	+22 26.3	1.608	2.566	6.2	21.2
1 2	7 3.11	+22 44.5	1.568	2.550	1.5	20.8
1 12	6 51.93	+23 0.8	1.558	2.534	3.5	20.9
1 22	6 41.46	+23 13.3	1.576	2.517	8.3	21.2
2 1	6 32.99	+23 21.5	1.620	2.500	12.6	21.4
2 11	6 27.41	+23 26.0	1.686	2.482	16.4	21.6

31860 2000 ES_{68} 1 4.9 158.°17 1.°6/ 5.4 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 29.98	+17 19.3	2.001	2.817	13.4	20.6
12 13	7 22.98	+17 24.8	1.928	2.826	10.0	20.4
12 23	7 13.76	+17 36.6	1.881	2.834	6.0	20.2
1 2	7 3.10	+17 53.2	1.862	2.841	2.2	20.0
1 12	6 52.12	+18 12.4	1.873	2.848	3.3	20.1
1 22	6 41.98	+18 32.4	1.915	2.853	7.3	20.3
2 1	6 33.67	+18 52.1	1.984	2.858	11.0	20.6
2 11	6 27.88	+19 10.8	2.077	2.861	14.1	20.8

378320 2007 GR_{6} 1 4.9 249.°97 1.°2/ 5.4 17

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 25.19	+17 14.5	2.341	3.157	11.7	21.7
12 13	7 19.49	+17 38.6	2.242	3.140	8.7	21.4
12 23	7 11.79	+18 10.0	2.169	3.123	5.3	21.2
1 2	7 2.68	+18 46.6	2.125	3.105	1.8	20.9
1 12	6 53.04	+19 26.1	2.111	3.086	2.9	21.0
1 22	6 43.85	+20 5.9	2.128	3.067	6.6	21.2
2 1	6 36.03	+20 43.9	2.174	3.048	10.1	21.4
2 11	6 30.32	+21 19.2	2.244	3.028	13.2	21.5

222328 2000 UQ_{38} 1 4.9 93.°95 4.°7/ 3.8 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 30.39	+34 28.6	2.001	2.825	13.1	20.2
12 13	7 23.54	+35 21.0	1.945	2.841	9.9	20.1
12 23	7 14.16	+36 6.7	1.913	2.857	6.8	19.9
1 2	7 3.19	+36 39.7	1.910	2.873	4.8	19.8
1 12	6 51.96	+36 56.3	1.935	2.889	5.8	19.9
1 22	6 41.79	+36 55.9	1.989	2.904	8.6	20.1
2 1	6 33.79	+36 40.9	2.069	2.920	11.6	20.3
2 11	6 28.65	+36 15.4	2.171	2.934	14.2	20.5

375066 2007 RZ_{4} 1 4.9 49.°38 0.°4/ 5.1 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 24.77	+21 1.9	1.976	2.808	12.9	21.3
12 13	7 19.24	+21 7.2	1.908	2.815	9.5	21.1
12 23	7 11.59	+21 16.1	1.864	2.822	5.6	20.9
1 2	7 2.60	+21 26.5	1.848	2.830	1.4	20.6
1 12	6 53.34	+21 36.7	1.861	2.837	3.0	20.7
1 22	6 44.90	+21 45.2	1.904	2.845	7.0	21.0
2 1	6 38.21	+21 51.7	1.973	2.853	10.7	21.2
2 11	6 33.92	+21 56.1	2.065	2.861	13.8	21.4

125566 2001 XJ_{17} 1 4.9 76.°62 3.°0/ 4.6 17

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 33.89	+29 13.6	1.415	2.255	16.6	19.6
12 13	7 26.50	+29 34.9	1.368	2.277	12.2	19.4
12 23	7 15.98	+29 51.9	1.343	2.300	7.4	19.2
1 2	7 3.61	+29 59.0	1.344	2.322	3.3	19.0
1 12	6 51.15	+29 53.1	1.373	2.344	5.0	19.2
1 22	6 40.31	+29 34.8	1.429	2.365	9.4	19.5
2 1	6 32.34	+29 7.3	1.510	2.387	13.6	19.8
2 11	6 27.91	+28 34.9	1.611	2.408	17.0	20.0

218648 2005 SP_{93} 1 4.9 162.°62 1.°0/ 4.7 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 27.68	+24 43.5	2.311	3.133	11.6	21.5
12 13	7 21.18	+25 3.6	2.236	3.139	8.5	21.3
12 23	7 12.66	+25 24.3	2.187	3.144	5.0	21.1
1 2	7 2.86	+25 42.8	2.167	3.148	1.4	20.9
1 12	6 52.76	+25 56.7	2.178	3.152	3.0	21.0
1 22	6 43.38	+26 4.7	2.219	3.155	6.6	21.2
2 1	6 35.63	+26 7.1	2.289	3.158	9.9	21.4
2 11	6 30.14	+26 5.0	2.382	3.160	12.7	21.6

324065 2005 VB_{87} 1 4.9 50.°11 3.°0/ 5.6 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 25.27	+15 7.5	1.808	2.633	14.2	20.6
12 13	7 19.73	+14 50.1	1.737	2.637	10.7	20.4
12 23	7 11.94	+14 41.0	1.690	2.641	6.8	20.2
1 2	7 2.70	+14 40.0	1.670	2.645	3.4	20.0
1 12	6 53.15	+14 46.3	1.678	2.650	4.2	20.0
1 22	6 44.43	+14 58.3	1.715	2.654	7.9	20.2
2 1	6 37.55	+15 14.5	1.778	2.659	11.6	20.5
2 11	6 33.20	+15 33.3	1.863	2.663	14.9	20.7

88856 2001 SE_{237} 1 4.9 40.°43 4.°5/ 6.1 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 26.21	+11 44.5	1.228	2.067	18.7	18.8
12 13	7 21.15	+11 47.2	1.173	2.078	14.3	18.5
12 23	7 13.05	+12 7.7	1.138	2.089	9.4	18.3
1 2	7 2.98	+12 45.0	1.126	2.100	5.1	18.1
1 12	6 52.53	+13 35.5	1.141	2.112	5.7	18.2
1 22	6 43.33	+14 33.9	1.181	2.125	10.1	18.4
2 1	6 36.69	+15 34.9	1.244	2.138	14.6	18.7
2 11	6 33.43	+16 34.1	1.328	2.151	18.5	19.0

215533 2002 VG_{111} 1 4.9 119.°82 1.°2/ 5.3 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 28.43	+18 25.5	2.103	2.921	12.8	21.3
12 13	7 21.67	+18 31.2	2.040	2.939	9.4	21.1
12 23	7 12.90	+18 42.0	2.003	2.957	5.6	20.9
1 2	7 2.91	+18 56.1	1.995	2.975	1.8	20.7
1 12	6 52.73	+19 11.8	2.017	2.992	3.0	20.8
1 22	6 43.41	+19 27.3	2.069	3.008	6.8	21.1
2 1	6 35.84	+19 42.0	2.149	3.023	10.2	21.3
2 11	6 30.60	+19 55.4	2.253	3.038	13.1	21.5

307634 2003 SK_{114} 1 4.9 116.°42 1.°1/ 4.8 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 30.08	+24 55.3	1.693	2.527	14.6	20.9
12 13	7 23.46	+25 9.2	1.628	2.536	10.7	20.7
12 23	7 14.19	+25 23.6	1.586	2.545	6.3	20.4
1 2	7 3.23	+25 35.0	1.572	2.554	1.7	20.1
1 12	6 51.96	+25 40.4	1.587	2.562	3.7	20.3
1 22	6 41.78	+25 39.0	1.631	2.570	8.2	20.6
2 1	6 33.86	+25 31.7	1.700	2.578	12.3	20.8
2 11	6 28.92	+25 20.4	1.792	2.586	15.6	21.1

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
318796 2005 SZ_{136}			1 4.9	170.°45	1.°0/ 4.7	18
	h m	° ′			°	m
12 3	7 27.93	+25 2.5	2.239	3.063	11.9	21.8
12 13	7 21.44	+25 19.2	2.163	3.066	8.7	21.6
12 23	7 12.85	+25 36.2	2.112	3.069	5.1	21.4
1 2	7 2.91	+25 50.7	2.090	3.072	1.5	21.1
1 12	6 52.67	+26 0.3	2.099	3.073	3.1	21.3
1 22	6 43.17	+26 3.9	2.138	3.075	6.8	21.5
2 1	6 35.34	+26 2.0	2.205	3.076	10.2	21.7
2 11	6 29.86	+25 55.8	2.296	3.076	13.1	21.9
403017 2007 WJ_{24}			1 4.9	8.°18	3.°2/ 4.1	18
12 3	7 25.86	+26 4.5	1.259	2.117	17.1	20.6
12 13	7 21.32	+27 10.5	1.198	2.118	12.6	20.4
12 23	7 13.38	+28 20.2	1.158	2.120	7.7	20.1
1 2	7 3.11	+29 25.6	1.143	2.122	3.4	19.9
1 12	6 52.20	+30 18.9	1.154	2.126	5.6	20.0
1 22	6 42.50	+30 56.0	1.190	2.130	10.5	20.3
2 1	6 35.59	+31 16.7	1.249	2.136	15.1	20.6
2 11	6 32.41	+31 23.7	1.328	2.142	19.0	20.8
76132 2000 EF_{10}			1 4.9	60.°34	4.°4/ 6.3	18
12 3	7 23.07	+ 9 22.7	2.041	2.848	13.5	19.9
12 13	7 17.86	+ 9 12.0	1.974	2.858	10.5	19.7
12 23	7 10.74	+ 9 13.7	1.930	2.867	7.3	19.5
1 2	7 2.42	+ 9 28.1	1.913	2.877	4.8	19.4
1 12	6 53.85	+ 9 54.1	1.925	2.886	5.0	19.4
1 22	6 46.00	+10 29.3	1.965	2.896	7.6	19.6
2 1	6 39.70	+11 10.8	2.032	2.906	10.7	19.8
2 11	6 35.56	+11 55.5	2.122	2.916	13.5	20.0
130508 2000 QG_{145}			1 4.9	348.°51	4.°9/ 3.9	18
12 3	7 29.29	+31 10.2	1.371	2.219	16.6	19.0
12 13	7 23.82	+32 8.9	1.304	2.216	12.5	18.7
12 23	7 14.86	+33 4.7	1.259	2.214	8.1	18.5
1 2	7 3.45	+33 49.1	1.239	2.212	5.0	18.3
1 12	6 51.38	+34 15.5	1.246	2.210	6.7	18.4
1 22	6 40.54	+34 21.6	1.278	2.209	10.9	18.6
2 1	6 32.56	+34 9.8	1.333	2.208	15.2	18.9
2 11	6 28.40	+33 45.3	1.408	2.208	18.9	19.1
399453 2002 NQ_{61}			1 4.9	94.°45	3.°1/ 4.3	17
12 3	7 32.04	+29 28.9	1.807	2.636	14.0	21.2
12 13	7 24.73	+30 11.1	1.756	2.660	10.4	21.0
12 23	7 14.83	+30 50.0	1.729	2.683	6.4	20.8
1 2	7 3.37	+31 20.0	1.730	2.706	3.3	20.7
1 12	6 51.74	+31 37.4	1.761	2.728	4.7	20.8
1 22	6 41.31	+31 41.6	1.821	2.750	8.3	21.1
2 1	6 33.19	+31 34.3	1.906	2.771	11.8	21.3
2 11	6 28.04	+31 18.9	2.014	2.792	14.7	21.6
390806 2004 HD_{36}			1 4.9	231.°54	4.°8/ 6.0	18
12 3	7 28.20	+10 15.5	1.722	2.532	15.5	22.2
12 13	7 22.18	+10 1.6	1.634	2.521	12.1	22.0
12 23	7 13.57	+10 1.3	1.570	2.510	8.3	21.8
1 2	7 3.15	+10 15.3	1.531	2.498	5.2	21.5
1 12	6 52.09	+10 42.8	1.521	2.486	5.7	21.5
1 22	6 41.73	+11 21.2	1.540	2.473	9.2	21.7
2 1	6 33.26	+12 7.1	1.584	2.459	13.2	21.9
2 11	6 27.57	+12 56.9	1.650	2.445	16.7	22.1
500014 2011 QL_{47}			1 4.9	179.°42	5.°1/ 3.5	17
12 3	7 30.77	+44 47.9	3.498	4.277	9.0	23.1
12 13	7 23.08	+45 14.1	3.424	4.278	7.3	23.0
12 23	7 13.62	+45 30.1	3.376	4.279	5.9	22.9
1 2	7 3.08	+45 32.5	3.356	4.280	5.1	22.8
1 12	6 52.37	+45 19.4	3.367	4.280	5.5	22.8
1 22	6 42.38	+44 51.2	3.407	4.279	6.9	22.9
2 1	6 33.90	+44 10.0	3.475	4.278	8.5	23.0
2 11	6 27.48	+43 19.5	3.568	4.276	10.1	23.2
217286 2004 FP_{58}			1 4.9	207.°22	1.°8/ 5.4	18
12 3	7 26.23	+16 41.0	2.132	2.950	12.6	21.5
12 13	7 20.28	+16 45.8	2.048	2.946	9.4	21.3
12 23	7 12.24	+16 57.4	1.989	2.941	5.8	21.1
1 2	7 2.80	+17 14.7	1.958	2.936	2.3	20.9
1 12	6 52.96	+17 35.7	1.957	2.931	3.3	20.9
1 22	6 43.76	+17 58.6	1.986	2.925	7.0	21.1
2 1	6 36.14	+18 21.9	2.042	2.918	10.6	21.3
2 11	6 30.80	+18 44.7	2.122	2.911	13.7	21.5
132356 2002 GY_{58}			1 4.9	172.°97	0.°8/ 5.2	18
12 3	7 28.60	+19 56.6	1.842	2.669	13.9	21.0
12 13	7 22.25	+20 1.1	1.767	2.672	10.3	20.7
12 23	7 13.47	+20 10.4	1.717	2.673	6.1	20.5
1 2	7 3.10	+20 22.4	1.693	2.675	1.7	20.2
1 12	6 52.34	+20 34.8	1.700	2.676	3.3	20.3
1 22	6 42.44	+20 46.1	1.735	2.676	7.7	20.6
2 1	6 34.49	+20 55.7	1.798	2.676	11.7	20.8
2 11	6 29.23	+21 3.6	1.883	2.676	15.0	21.0

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
323562 2004 TA_{81}			1 4.9	109.°33	1.°1/ 5.2	18
	h m	° ′			°	m
12 3	7 26.05	+19 8.7	2.086	2.910	12.6	21.2
12 13	7 20.04	+19 8.0	2.017	2.920	9.3	21.0
12 23	7 12.02	+19 11.7	1.974	2.930	5.5	20.8
1 2	7 2.74	+19 18.6	1.959	2.939	1.8	20.5
1 12	6 53.23	+19 27.0	1.974	2.949	3.0	20.6
1 22	6 44.50	+19 35.8	2.018	2.958	6.8	20.9
2 1	6 37.46	+19 44.1	2.090	2.967	10.3	21.1
2 11	6 32.72	+19 51.9	2.185	2.976	13.3	21.3
261290 2005 UA_{156}			1 4.9	28.°57	1.°9/ 4.3	18
12 3	7 26.18	+23 22.3	1.585	2.428	15.0	19.9
12 13	7 20.93	+24 35.6	1.521	2.435	11.0	19.6
12 23	7 12.91	+25 54.8	1.481	2.441	6.4	19.4
1 2	7 3.00	+27 13.1	1.468	2.449	2.2	19.1
1 12	6 52.57	+28 23.7	1.484	2.456	4.3	19.3
1 22	6 43.09	+29 21.9	1.527	2.465	8.8	19.6
2 1	6 35.83	+30 6.2	1.595	2.473	12.9	19.8
2 11	6 31.63	+30 37.7	1.685	2.482	16.3	20.1
235482 2004 BS_{46}			1 4.9	348.°33	3.°2/ 4.8	18
12 3	7 29.19	+32 52.2	1.839	2.671	13.7	19.0
12 13	7 22.81	+32 35.5	1.762	2.666	10.3	18.8
12 23	7 13.81	+32 10.3	1.708	2.661	6.6	18.6
1 2	7 3.17	+31 33.3	1.682	2.657	3.4	18.4
1 12	6 52.26	+30 43.7	1.684	2.653	4.6	18.4
1 22	6 42.45	+29 43.4	1.716	2.650	8.3	18.7
2 1	6 34.86	+28 36.5	1.773	2.648	12.0	18.9
2 11	6 30.21	+27 27.6	1.854	2.646	15.3	19.1
131189 2001 DO_3			1 4.9	37.°97	3.°0/ 4.2	18
12 3	7 28.14	+25 46.8	1.225	2.081	17.6	18.8
12 13	7 22.84	+26 53.4	1.177	2.096	12.9	18.5
12 23	7 14.15	+28 2.5	1.151	2.112	7.7	18.3
1 2	7 3.28	+29 5.7	1.149	2.128	3.3	18.1
1 12	6 52.03	+29 55.9	1.174	2.145	5.4	18.2
1 22	6 42.24	+30 29.6	1.223	2.163	10.3	18.6
2 1	6 35.36	+30 47.4	1.296	2.182	14.8	18.9
2 11	6 32.20	+30 52.5	1.389	2.201	18.5	19.2
74208 1998 RD_{60}			1 4.9	102.°88	8.°4/ 7.4	18
12 3	7 25.89	+ 0 15.1	1.857	2.630	15.9	19.6
12 13	7 20.00	− 0 27.5	1.797	2.645	13.2	19.5
12 23	7 12.03	− 0 50.1	1.759	2.659	10.5	19.3
1 2	7 2.76	− 0 49.9	1.745	2.673	8.7	19.2
1 12	6 53.27	− 0 26.7	1.759	2.687	8.6	19.3
1 22	6 44.61	+ 0 16.9	1.799	2.701	10.3	19.4
2 1	6 37.70	+ 1 15.9	1.864	2.714	12.7	19.6
2 11	6 33.17	+ 2 24.7	1.952	2.727	15.2	19.8
458277 2010 UK_{46}			1 4.9	47.°46	3.°1/ 4.4	18
12 3	7 28.79	+29 8.8	1.565	2.407	15.2	21.1
12 13	7 22.79	+29 40.1	1.506	2.417	11.2	20.9
12 23	7 13.92	+30 8.6	1.471	2.428	6.9	20.7
1 2	7 3.22	+30 28.9	1.461	2.439	3.3	20.5
1 12	6 52.22	+30 37.1	1.480	2.450	4.9	20.6
1 22	6 42.43	+30 32.5	1.525	2.461	9.0	20.9
2 1	6 35.11	+30 17.1	1.596	2.473	13.0	21.1
2 11	6 30.98	+29 54.4	1.688	2.485	16.3	21.4
295244 2008 GN_{27}			1 4.9	135.°47	2.°0/ 5.5	18
12 3	7 26.59	+16 33.8	1.987	2.807	13.3	21.4
12 13	7 20.55	+16 30.5	1.915	2.814	9.9	21.2
12 23	7 12.38	+16 34.1	1.868	2.821	6.1	21.0
1 2	7 2.86	+16 43.5	1.849	2.827	2.5	20.8
1 12	6 53.05	+16 57.2	1.860	2.834	3.5	20.8
1 22	6 44.02	+17 13.6	1.900	2.840	7.2	21.1
2 1	6 36.74	+17 31.4	1.967	2.845	10.9	21.3
2 11	6 31.85	+17 49.5	2.058	2.850	13.9	21.5
357399 2003 UE_{232}			1 4.9	129.°63	2.°2/ 5.5	18
12 3	7 27.94	+16 34.2	1.761	2.586	14.5	21.3
12 13	7 21.76	+16 29.7	1.693	2.594	10.9	21.1
12 23	7 13.18	+16 32.9	1.647	2.601	6.7	20.9
1 2	7 3.06	+16 42.8	1.630	2.608	2.8	20.6
1 12	6 52.61	+16 57.5	1.641	2.614	3.8	20.7
1 22	6 43.08	+17 15.1	1.680	2.621	7.9	21.0
2 1	6 35.53	+17 34.2	1.746	2.627	11.9	21.2
2 11	6 30.66	+17 53.6	1.835	2.632	15.2	21.5
164502 2006 GM_{35}			1 4.9	310.°37	5.°1/ 3.9	18
12 3	7 30.41	+32 23.2	1.469	2.311	16.0	19.8
12 13	7 24.55	+33 17.6	1.398	2.306	12.1	19.6
12 23	7 15.28	+34 7.7	1.349	2.301	8.1	19.3
1 2	7 3.61	+34 45.4	1.326	2.296	5.2	19.2
1 12	6 51.25	+35 4.5	1.330	2.291	6.7	19.2
1 22	6 40.07	+35 3.1	1.359	2.287	10.7	19.4
2 1	6 31.64	+34 44.1	1.413	2.283	14.8	19.7
2 11	6 26.94	+34 12.8	1.486	2.278	18.4	19.9

416904 2005 QL_{190} 1 4.9 26.°61 1.°4/ 5.3 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 25.83	+18 32.4	1.777	2.609	14.1	20.9
12 13	7 20.30	+18 36.2	1.704	2.610	10.5	20.7
12 23	7 12.38	+18 46.4	1.654	2.611	6.3	20.5
1 2	7 2.89	+19 1.3	1.631	2.612	2.1	20.2
1 12	6 53.02	+19 18.8	1.638	2.613	3.4	20.3
1 22	6 43.97	+19 36.8	1.672	2.614	7.8	20.6
2 1	6 36.85	+19 54.1	1.732	2.616	11.8	20.8
2 11	6 32.36	+20 10.1	1.815	2.617	15.2	21.0

423564 2005 UK_{457} 1 4.9 44.°57 0.°7/ 4.8 16

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 27.71	+20 34.9	1.418	2.262	16.4	20.8
12 13	7 21.94	+21 39.1	1.375	2.289	11.9	20.6
12 23	7 13.37	+22 50.4	1.355	2.316	6.8	20.4
1 2	7 3.10	+24 2.2	1.361	2.343	1.6	20.1
1 12	6 52.63	+25 8.2	1.396	2.371	3.8	20.4
1 22	6 43.43	+26 4.0	1.457	2.400	8.7	20.7
2 1	6 36.69	+26 48.0	1.544	2.428	12.9	21.0
2 11	6 33.10	+27 21.0	1.652	2.457	16.3	21.3

500484 2012 TC_{254} 1 4.9 191.°87 4.°7/ 3.6 17

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 28.44	+39 57.5	3.001	3.801	9.8	21.9
12 13	7 21.63	+40 31.0	2.923	3.800	7.7	21.8
12 23	7 12.92	+40 56.4	2.872	3.797	5.8	21.6
1 2	7 3.00	+41 9.7	2.850	3.795	4.7	21.6
1 12	6 52.79	+41 8.5	2.857	3.792	5.3	21.6
1 22	6 43.27	+40 52.8	2.894	3.789	7.1	21.7
2 1	6 35.26	+40 24.3	2.959	3.785	9.2	21.9
2 11	6 29.39	+39 46.3	3.047	3.781	11.2	22.0

24495 Degroff 1 4.9 298.°23 11.°9/28.7 18 R

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 39.97	+37 49.7	1.365	2.194	17.7	18.1
12 13	7 34.24	+41 26.6	1.263	2.152	14.7	17.8
12 23	7 22.95	+45 17.0	1.186	2.109	12.3	17.5
1 2	7 5.94	+48 58.2	1.138	2.066	12.2	17.4
1 12	6 44.59	+52 4.4	1.117	2.022	14.7	17.4
1 22	6 21.96	+54 17.2	1.122	1.977	18.8	17.5
2 1	6 2.17	+55 34.2	1.147	1.932	23.1	17.6
2 11	5 48.59	+56 7.5	1.187	1.887	26.9	17.8

351782 2006 HX 1 4.9 237.°21 0.°6/ 5.2 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 28.49	+19 39.2	1.902	2.727	13.6	21.8
12 13	7 22.34	+19 57.8	1.811	2.714	10.1	21.5
12 23	7 13.67	+20 22.4	1.744	2.701	6.0	21.2
1 2	7 3.24	+20 50.6	1.706	2.687	1.6	20.9
1 12	6 52.18	+21 19.3	1.697	2.673	3.3	21.0
1 22	6 41.77	+21 46.1	1.717	2.657	7.8	21.3
2 1	6 33.17	+22 9.5	1.764	2.642	11.9	21.5
2 11	6 27.26	+22 29.3	1.835	2.625	15.5	21.7

243716 2000 GE_{117} 1 4.9 322.°58 4.°3/ 5.8 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 24.40	+12 49.0	1.538	2.369	16.0	20.1
12 13	7 19.62	+12 29.0	1.458	2.359	12.3	19.8
12 23	7 12.17	+12 21.2	1.400	2.349	8.2	19.6
1 2	7 2.89	+12 26.2	1.368	2.340	4.7	19.3
1 12	6 53.03	+12 43.1	1.362	2.331	5.3	19.3
1 22	6 43.97	+13 9.9	1.383	2.323	9.3	19.6
2 1	6 36.96	+13 43.6	1.428	2.315	13.6	19.8
2 11	6 32.85	+14 20.9	1.494	2.307	17.3	20.0

328261 2008 GV_6 1 4.9 62.°65 1.°8/ 5.4 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 25.72	+17 9.9	1.790	2.619	14.2	20.8
12 13	7 20.18	+17 15.1	1.718	2.622	10.5	20.5
12 23	7 12.30	+17 28.1	1.670	2.625	6.4	20.3
1 2	7 2.89	+17 47.3	1.648	2.628	2.4	20.0
1 12	6 53.10	+18 10.3	1.656	2.631	3.5	20.1
1 22	6 44.14	+18 35.0	1.692	2.634	7.7	20.4
2 1	6 37.06	+18 59.7	1.754	2.637	11.7	20.6
2 11	6 32.58	+19 23.2	1.838	2.640	15.0	20.9

499450 2010 EC_{81} 1 4.9 223.°25 1.°4/ 5.4 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 23.23	+17 20.4	2.424	3.243	11.2	21.8
12 13	7 17.89	+17 26.4	2.341	3.240	8.4	21.6
12 23	7 10.79	+17 38.1	2.283	3.236	5.1	21.4
1 2	7 2.52	+17 54.2	2.254	3.233	1.9	21.1
1 12	6 53.94	+18 13.2	2.255	3.229	2.8	21.2
1 22	6 45.91	+18 33.6	2.286	3.226	6.2	21.4
2 1	6 39.22	+18 54.0	2.346	3.222	9.4	21.6
2 11	6 34.49	+19 13.7	2.429	3.218	12.2	21.8

308752 2006 JG_{53} 1 4.9 31.°66 3.°8/ 3.9 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 28.67	+27 59.4	1.367	2.217	16.5	20.1
12 13	7 23.22	+29 5.8	1.307	2.222	12.3	19.9
12 23	7 14.45	+30 12.9	1.270	2.228	7.6	19.6
1 2	7 3.43	+31 12.4	1.258	2.234	3.9	19.4
1 12	6 51.85	+31 57.4	1.272	2.241	5.8	19.5
1 22	6 41.52	+32 24.8	1.313	2.248	10.3	19.8
2 1	6 33.92	+32 35.3	1.377	2.255	14.6	20.1
2 11	6 29.96	+32 32.9	1.462	2.263	18.2	20.3

317039 2001 RE_{60} 1 4.9 75.°36 0.°1/ 5.0 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 27.44	+20 22.2	1.729	2.562	14.4	20.9
12 13	7 21.43	+20 54.2	1.670	2.578	10.5	20.7
12 23	7 13.00	+21 32.0	1.635	2.594	6.1	20.5
1 2	7 3.04	+22 11.8	1.628	2.610	1.4	20.2
1 12	6 52.81	+22 49.8	1.650	2.626	3.3	20.4
1 22	6 43.56	+23 23.2	1.700	2.642	7.7	20.7
2 1	6 36.37	+23 50.9	1.777	2.658	11.6	21.0
2 11	6 31.92	+24 12.8	1.876	2.674	14.9	21.2

146648 2001 UM_{80} 1 4.9 108.°59 1.°6/ 4.6 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 29.37	+26 12.9	2.067	2.893	12.6	20.7
12 13	7 22.54	+26 42.2	2.008	2.912	9.2	20.6
12 23	7 13.52	+27 11.0	1.974	2.931	5.5	20.4
1 2	7 3.15	+27 35.6	1.969	2.949	2.0	20.2
1 12	6 52.59	+27 52.9	1.994	2.967	3.5	20.3
1 22	6 42.96	+28 2.0	2.049	2.984	7.1	20.6
2 1	6 35.23	+28 3.4	2.131	3.001	10.5	20.8
2 11	6 30.02	+27 58.8	2.237	3.017	13.4	21.0

339561 2005 JR_{149} 1 4.9 135.°46 2.°1/ 4.5 17

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 33.88	+26 5.7	1.646	2.477	15.1	22.5
12 13	7 26.39	+26 45.0	1.585	2.491	11.1	22.3
12 23	7 16.01	+27 24.7	1.547	2.504	6.6	22.0
1 2	7 3.76	+27 59.0	1.537	2.517	2.5	21.8
1 12	6 51.17	+28 23.5	1.556	2.528	4.3	22.0
1 22	6 39.76	+28 36.5	1.604	2.539	8.7	22.2
2 1	6 30.83	+28 39.0	1.678	2.549	12.8	22.5
2 11	6 25.13	+28 33.9	1.774	2.559	16.1	22.8

466791 2015 BS_{23} 1 4.9 278.°33 4.°0/ 6.3 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 22.00	+ 9 23.5	2.334	3.136	12.2	21.1
12 13	7 17.03	+ 9 19.4	2.251	3.132	9.5	20.9
12 23	7 10.30	+ 9 26.6	2.191	3.128	6.6	20.7
1 2	7 2.42	+ 9 45.2	2.160	3.123	4.3	20.5
1 12	6 54.21	+10 14.2	2.157	3.119	4.5	20.5
1 22	6 46.52	+10 51.5	2.184	3.115	7.0	20.7
2 1	6 40.14	+11 34.6	2.238	3.111	10.0	20.9
2 11	6 35.69	+12 20.7	2.317	3.106	12.7	21.0

62094 2000 RU_{92} 1 4.9 156.°49 1.°9/ 5.4 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 25.89	+17 10.6	2.033	2.855	13.0	19.3
12 13	7 20.05	+17 1.6	1.958	2.858	9.7	19.1
12 23	7 12.12	+16 58.5	1.907	2.860	6.0	18.9
1 2	7 2.85	+17 0.6	1.883	2.862	2.4	18.6
1 12	6 53.26	+17 6.7	1.890	2.864	3.4	18.7
1 22	6 44.41	+17 15.5	1.926	2.865	7.1	18.9
2 1	6 37.24	+17 26.2	1.989	2.867	10.7	19.2
2 11	6 32.41	+17 37.8	2.075	2.868	13.8	19.4

468705 2010 BZ_{12} 1 4.9 182.°42 6.°0/ 8.1 17

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 21.44	− 2 27.2	3.071	3.807	11.0	22.2
12 13	7 16.21	− 2 26.9	2.987	3.808	9.3	22.1
12 23	7 9.66	− 2 11.5	2.927	3.808	7.5	22.0
1 2	7 2.26	− 1 40.2	2.893	3.807	6.3	21.9
1 12	6 54.63	− 0 53.4	2.889	3.807	6.1	21.9
1 22	6 47.39	+ 0 6.7	2.914	3.806	7.2	22.0
2 1	6 41.14	+ 1 17.0	2.968	3.804	8.9	22.1
2 11	6 36.35	+ 2 33.7	3.047	3.802	10.7	22.2

194259 2001 TQ_{237} 1 4.9 43.°01 2.°1/ 5.5 17

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 27.41	+16 27.8	1.307	2.150	17.5	20.3
12 13	7 22.07	+16 43.3	1.246	2.156	13.1	20.0
12 23	7 13.68	+17 10.8	1.205	2.163	8.0	19.7
1 2	7 3.25	+17 47.6	1.190	2.170	2.9	19.5
1 12	6 52.36	+18 29.7	1.201	2.177	4.3	19.6
1 22	6 42.63	+19 12.9	1.238	2.184	9.5	19.9
2 1	6 35.45	+19 53.9	1.300	2.192	14.2	20.2
2 11	6 31.65	+20 31.1	1.382	2.200	18.2	20.5

417719 2007 CQ_{21} 1 4.9 304.°13 1.°1/ 4.9 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 28.45	+26 32.8	1.765	2.600	14.0	20.7
12 13	7 22.40	+26 20.8	1.682	2.591	10.4	20.5
12 23	7 13.70	+26 6.4	1.623	2.582	6.2	20.2
1 2	7 3.24	+25 47.0	1.592	2.573	1.8	19.9
1 12	6 52.34	+25 21.3	1.589	2.564	3.6	20.0
1 22	6 42.37	+24 49.8	1.615	2.556	8.1	20.2
2 1	6 34.52	+24 14.5	1.667	2.548	12.3	20.5
2 11	6 29.58	+23 38.1	1.741	2.540	15.9	20.7

369512 2010 VC_{153} 1 4.9 250.°41 2.°4/ 5.3 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 27.40	+17 7.0	2.054	2.873	13.0	21.3
12 13	7 21.27	+16 38.0	1.961	2.859	9.8	21.1
12 23	7 12.92	+16 13.5	1.893	2.845	6.2	20.8
1 2	7 3.06	+15 53.6	1.853	2.830	2.8	20.6
1 12	6 52.73	+15 38.1	1.843	2.815	3.8	20.6
1 22	6 43.04	+15 26.9	1.863	2.800	7.6	20.8
2 1	6 35.01	+15 20.0	1.910	2.784	11.3	21.0
2 11	6 29.37	+15 16.7	1.980	2.768	14.6	21.2

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
301224 2009 BX_8			1 4.9	13.°75	0.°2/ 5.0	18
	h m	° ′			°	m
12 3	7 25.76	+21 40.4	1.154	2.014	18.2	20.5
12 13	7 21.21	+21 45.1	1.096	2.017	13.4	20.2
12 23	7 13.30	+21 55.4	1.059	2.022	7.9	19.9
1 2	7 3.17	+22 8.1	1.045	2.027	1.9	19.6
1 12	6 52.59	+22 19.8	1.056	2.033	4.3	19.7
1 22	6 43.37	+22 28.4	1.092	2.041	10.0	20.1
2 1	6 36.98	+22 33.6	1.150	2.049	15.1	20.4
2 11	6 34.28	+22 35.7	1.228	2.059	19.3	20.7
379884 2012 HJ_{62}			1 4.9	232.°54	7.°2/ 6.9	18
12 3	7 23.81	+ 2 12.6	2.099	2.876	14.2	21.4
12 13	7 18.50	+ 1 37.7	2.016	2.870	11.7	21.2
12 23	7 11.24	+ 1 19.1	1.957	2.864	9.2	21.1
1 2	7 2.66	+ 1 19.3	1.923	2.858	7.4	20.9
1 12	6 53.70	+ 1 38.7	1.917	2.852	7.4	20.9
1 22	6 45.31	+ 2 15.8	1.938	2.846	9.3	21.0
2 1	6 38.39	+ 3 6.9	1.986	2.839	11.9	21.2
2 11	6 33.60	+ 4 7.4	2.056	2.832	14.5	21.3
423292 2005 EN_{48}			1 4.9	261.°92	3.°5/ 4.2	18
12 3	7 27.78	+33 8.9	2.274	3.097	11.7	21.5
12 13	7 21.55	+33 30.4	2.190	3.089	8.9	21.3
12 23	7 13.07	+33 46.6	2.132	3.080	5.8	21.0
1 2	7 3.10	+33 53.2	2.102	3.071	3.6	20.9
1 12	6 52.73	+33 47.7	2.101	3.063	4.6	20.9
1 22	6 43.13	+33 29.8	2.130	3.054	7.6	21.1
2 1	6 35.31	+33 1.2	2.185	3.045	10.7	21.3
2 11	6 29.97	+32 25.2	2.264	3.036	13.5	21.5
428171 2006 SL_{398}			1 4.9	123.°42	5.°3/ 3.5	18
12 3	7 28.88	+40 20.6	2.646	3.451	10.8	21.4
12 13	7 22.13	+41 1.6	2.581	3.459	8.6	21.2
12 23	7 13.28	+41 33.3	2.542	3.467	6.5	21.1
1 2	7 3.12	+41 51.2	2.531	3.475	5.3	21.1
1 12	6 52.72	+41 52.7	2.550	3.483	6.0	21.1
1 22	6 43.14	+41 37.8	2.597	3.491	7.8	21.2
2 1	6 35.32	+41 8.7	2.671	3.498	10.0	21.4
2 11	6 29.89	+40 29.4	2.767	3.505	12.1	21.6
338245 2002 TV_{151}			1 4.9	206.°71	5.°2/ 4.1	18
12 3	7 34.06	+33 23.2	1.485	2.321	16.2	20.9
12 13	7 27.20	+34 6.2	1.415	2.319	12.3	20.6
12 23	7 16.81	+34 42.7	1.367	2.317	8.2	20.4
1 2	7 4.02	+35 4.8	1.345	2.314	5.3	20.2
1 12	6 50.62	+35 6.8	1.350	2.311	6.7	20.3
1 22	6 38.53	+34 48.3	1.382	2.308	10.7	20.5
2 1	6 29.34	+34 13.3	1.438	2.305	14.8	20.7
2 11	6 24.00	+33 28.0	1.514	2.302	18.3	21.0
457122 2008 FP_{38}			1 4.9	204.°92	2.°1/ 5.6	18
12 3	7 25.75	+15 37.6	2.142	2.959	12.6	22.3
12 13	7 19.94	+15 43.0	2.059	2.955	9.5	22.0
12 23	7 12.09	+15 56.2	2.000	2.952	5.9	21.8
1 2	7 2.87	+16 15.9	1.970	2.948	2.6	21.6
1 12	6 53.26	+16 40.4	1.970	2.943	3.4	21.6
1 22	6 44.27	+17 7.7	2.000	2.938	7.0	21.9
2 1	6 36.83	+17 36.0	2.057	2.933	10.5	22.1
2 11	6 31.64	+18 4.0	2.137	2.927	13.6	22.3
239537 2008 SW_{31}			1 4.9	220.°96	1.°1/ 4.8	18
12 3	7 31.74	+25 20.5	1.698	2.529	14.7	21.0
12 13	7 24.95	+25 26.4	1.616	2.523	10.9	20.7
12 23	7 15.28	+25 32.1	1.557	2.515	6.4	20.5
1 2	7 3.65	+25 34.1	1.526	2.507	1.8	20.1
1 12	6 51.46	+25 29.7	1.524	2.499	3.8	20.3
1 22	6 40.22	+25 18.2	1.550	2.490	8.6	20.5
2 1	6 31.25	+25 0.9	1.603	2.480	12.9	20.8
2 11	6 25.42	+24 40.3	1.677	2.470	16.6	21.0
279302 2009 WK_{183}			1 4.9	5.°63	1.°9/ 5.4	18
12 3	7 24.12	+17 17.1	1.821	2.653	13.9	21.0
12 13	7 19.00	+17 15.7	1.748	2.653	10.3	20.8
12 23	7 11.63	+17 21.6	1.698	2.653	6.3	20.6
1 2	7 2.77	+17 33.4	1.675	2.654	2.4	20.3
1 12	6 53.54	+17 49.6	1.680	2.655	3.5	20.4
1 22	6 45.10	+18 8.1	1.714	2.656	7.6	20.6
2 1	6 38.46	+18 27.5	1.774	2.658	11.5	20.9
2 11	6 34.34	+18 46.7	1.856	2.660	14.8	21.1
234412 2001 RY_{48}			1 4.9	99.°84	2.°6/ 6.1	18
12 3	7 31.36	+10 49.8	1.583	2.395	16.5	19.9
12 13	7 24.48	+12 5.5	1.522	2.414	12.5	19.7
12 23	7 14.90	+13 39.6	1.484	2.433	7.8	19.4
1 2	7 3.54	+15 27.2	1.474	2.451	3.4	19.2
1 12	6 51.76	+17 20.4	1.495	2.469	4.0	19.3
1 22	6 40.99	+19 11.3	1.545	2.486	8.4	19.6
2 1	6 32.45	+20 53.8	1.623	2.503	12.6	19.9
2 11	6 26.93	+22 24.8	1.725	2.519	16.1	20.2

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
110215 2001 SR_{219}			1 4.9	126.°79	0.°4/ 4.9	18
	h m	° ′			°	m
12 3	7 24.53	+23 23.0	2.589	3.411	10.5	21.2
12 13	7 18.71	+23 38.2	2.518	3.420	7.7	21.0
12 23	7 11.20	+23 54.7	2.473	3.430	4.5	20.8
1 2	7 2.64	+24 10.3	2.457	3.439	1.1	20.6
1 12	6 53.86	+24 23.4	2.472	3.448	2.5	20.7
1 22	6 45.71	+24 32.7	2.518	3.456	5.8	21.0
2 1	6 38.94	+24 38.1	2.593	3.464	8.8	21.2
2 11	6 34.09	+24 40.2	2.691	3.472	11.3	21.4
15399 Hudec			1 4.9	224.°59	0.°8/ 4.8	18
12 3	7 27.77	+24 8.2	2.120	2.946	12.4	19.4
12 13	7 21.57	+24 24.1	2.034	2.938	9.1	19.2
12 23	7 13.11	+24 41.2	1.973	2.930	5.4	18.9
1 2	7 3.13	+24 56.9	1.940	2.921	1.4	18.7
1 12	6 52.69	+25 8.5	1.937	2.912	3.1	18.8
1 22	6 42.93	+25 14.6	1.965	2.903	7.1	19.0
2 1	6 34.88	+25 15.5	2.019	2.893	10.8	19.2
2 11	6 29.28	+25 12.1	2.097	2.882	14.0	19.4
185175 2006 SB_{285}			1 4.9	51.°14	2.°1/ 5.6	17
12 3	7 27.14	+15 23.6	1.433	2.269	16.7	19.6
12 13	7 21.44	+15 53.0	1.385	2.292	12.4	19.3
12 23	7 13.08	+16 34.5	1.359	2.315	7.5	19.1
1 2	7 3.09	+17 24.6	1.359	2.338	2.8	18.9
1 12	6 52.90	+18 18.8	1.387	2.362	3.9	19.0
1 22	6 43.92	+19 12.4	1.442	2.387	8.5	19.4
2 1	6 37.27	+20 2.4	1.522	2.411	12.7	19.7
2 11	6 33.62	+20 46.8	1.624	2.435	16.2	20.0
53106 1999 AG_4			1 4.9	210.°55	1.°1/ 5.3	18
12 3	7 29.05	+18 27.2	1.772	2.598	14.4	19.0
12 13	7 22.81	+18 43.2	1.690	2.594	10.7	18.8
12 23	7 13.98	+19 6.5	1.632	2.588	6.5	18.5
1 2	7 3.36	+19 34.8	1.601	2.582	2.0	18.2
1 12	6 52.18	+20 4.9	1.600	2.576	3.5	18.3
1 22	6 41.79	+20 34.1	1.628	2.569	8.1	18.6
2 1	6 33.37	+21 1.0	1.682	2.561	12.3	18.8
2 11	6 27.76	+21 24.7	1.759	2.553	15.9	19.0
83933 2001 VJ_{74}			1 4.9	74.°29	0.°3/ 5.1	18
12 3	7 27.77	+18 39.0	1.759	2.588	14.4	18.5
12 13	7 21.65	+19 32.3	1.702	2.608	10.5	18.3
12 23	7 13.15	+20 33.6	1.670	2.628	6.1	18.1
1 2	7 3.13	+21 38.2	1.666	2.648	1.5	17.8
1 12	6 52.82	+22 41.1	1.692	2.668	3.2	18.0
1 22	6 43.48	+23 38.4	1.747	2.688	7.6	18.3
2 1	6 36.14	+24 27.7	1.828	2.707	11.5	18.6
2 11	6 31.51	+25 8.8	1.933	2.727	14.6	18.8
35737 1999 GN_{20}			1 5.0	231.°27	2.°9/ 5.7	18
12 3	7 28.12	+14 21.6	1.948	2.762	13.8	20.0
12 13	7 21.96	+14 17.6	1.856	2.750	10.5	19.8
12 23	7 13.43	+14 22.7	1.788	2.737	6.7	19.6
1 2	7 3.25	+14 36.4	1.748	2.723	3.3	19.3
1 12	6 52.50	+14 57.0	1.738	2.709	4.1	19.3
1 22	6 42.36	+15 22.8	1.757	2.694	7.9	19.5
2 1	6 33.93	+15 51.7	1.803	2.678	11.8	19.7
2 11	6 28.03	+16 21.8	1.872	2.662	15.2	19.9
242066 2002 TS_{55}			1 5.0	94.°10	1.°6/ 5.4	18
12 3	7 28.87	+17 4.9	1.855	2.676	14.1	21.0
12 13	7 22.22	+17 20.2	1.800	2.700	10.4	20.8
12 23	7 13.36	+17 43.0	1.769	2.723	6.2	20.6
1 2	7 3.18	+18 10.8	1.767	2.746	2.2	20.4
1 12	6 52.83	+18 40.9	1.794	2.769	3.3	20.5
1 22	6 43.47	+19 11.0	1.850	2.791	7.3	20.8
2 1	6 36.05	+19 39.4	1.934	2.812	11.0	21.1
2 11	6 31.19	+20 5.2	2.041	2.833	14.0	21.3
132806 2002 QF_9			1 5.0	216.°67	1.°2/ 5.5	18
12 3	7 24.14	+16 42.5	2.704	3.515	10.4	20.8
12 13	7 18.48	+17 5.6	2.612	3.507	7.8	20.6
12 23	7 11.15	+17 35.1	2.546	3.498	4.7	20.4
1 2	7 2.69	+18 9.2	2.510	3.489	1.7	20.1
1 12	6 53.86	+18 45.9	2.505	3.480	2.6	20.2
1 22	6 45.45	+19 23.2	2.532	3.470	5.8	20.4
2 1	6 38.24	+19 59.2	2.587	3.459	8.8	20.6
2 11	6 32.82	+20 33.0	2.668	3.448	11.4	20.7
459158 2012 DL_6			1 5.0	349.°30	6.°0/ 6.7	18
12 3	7 22.48	+ 8 0.0	1.384	2.211	17.6	21.2
12 13	7 18.41	+ 7 55.4	1.311	2.205	13.9	20.9
12 23	7 11.58	+ 8 11.1	1.258	2.199	9.9	20.7
1 2	7 2.84	+ 8 48.2	1.230	2.195	6.5	20.5
1 12	6 53.51	+ 9 44.5	1.226	2.191	6.7	20.4
1 22	6 45.03	+10 55.2	1.249	2.188	10.2	20.6
2 1	6 38.71	+12 14.0	1.295	2.187	14.3	20.9
2 11	6 35.42	+13 34.6	1.362	2.186	18.1	21.1