221138 2005 TX_1 1 14.9 271.°53 6.°6/12.5 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 13	8 15.45	+37 44.2	1.883	2.708	13.7	20.0
12 23	8 8.79	+38 34.1	1.802	2.695	10.8	19.8
1 2	7 59.07	+39 15.7	1.745	2.681	8.0	19.6
1 12	7 47.26	+39 40.9	1.715	2.667	6.6	19.5
1 22	7 34.80	+39 44.1	1.713	2.653	7.8	19.5
2 1	7 23.32	+39 23.7	1.737	2.639	10.7	19.7
2 11	7 14.25	+38 42.6	1.786	2.624	13.8	19.8
2 21	7 8.44	+37 46.4	1.856	2.610	16.7	20.0

428994 2009 BO_4 1 14.9 2.°21 1.°3/15.2 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 13	8 11.25	+20 33.8	1.795	2.626	14.0	20.1
12 23	8 5.11	+19 42.5	1.719	2.625	10.4	19.8
1 2	7 56.60	+18 52.7	1.668	2.625	6.2	19.6
1 12	7 46.63	+18 4.0	1.645	2.625	2.0	19.3
1 22	7 36.37	+17 16.8	1.650	2.627	3.4	19.4
2 1	7 27.05	+16 31.9	1.685	2.629	7.7	19.7
2 11	7 19.73	+15 50.1	1.746	2.631	11.7	19.9
2 21	7 15.03	+15 12.1	1.830	2.635	15.0	20.2

159873 2004 RE_{36} 1 14.9 154.°46 0.°0/14.9 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 13	8 12.72	+19 18.5	1.755	2.582	14.4	21.0
12 23	8 6.36	+19 51.3	1.684	2.589	10.6	20.8
1 2	7 57.44	+20 31.8	1.637	2.595	6.2	20.5
1 12	7 46.86	+21 15.4	1.618	2.600	1.4	20.2
1 22	7 35.82	+21 57.2	1.629	2.605	3.4	20.4
2 1	7 25.67	+22 33.5	1.668	2.609	8.0	20.7
2 11	7 17.58	+23 2.1	1.734	2.613	12.1	20.9
2 21	7 12.26	+23 22.6	1.822	2.616	15.5	21.1

324594 2006 XX_{47} 1 14.9 22.°62 1.°2/15.2 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 13	8 12.60	+20 34.5	1.482	2.321	16.0	19.6
12 23	8 6.46	+19 53.2	1.416	2.326	11.8	19.4
1 2	7 57.52	+19 15.0	1.374	2.332	7.0	19.1
1 12	7 46.87	+18 38.8	1.357	2.338	2.1	18.9
1 22	7 35.92	+18 4.1	1.369	2.345	3.8	19.0
2 1	7 26.16	+17 31.1	1.407	2.353	8.7	19.3
2 11	7 18.80	+17 0.3	1.471	2.361	13.1	19.6
2 21	7 14.52	+16 32.0	1.556	2.370	16.8	19.8

469215 2016 GN_{251} 1 14.9 328.°01 7.°2/18.1 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 13	8 5.46	− 0 13.7	2.239	3.000	13.9	21.0
12 23	8 0.56	− 0 55.9	2.158	2.998	11.6	20.9
1 2	7 53.86	− 1 21.0	2.100	2.997	9.2	20.7
1 12	7 46.01	− 1 26.9	2.068	2.995	7.5	20.6
1 22	7 37.81	− 1 13.6	2.062	2.994	7.3	20.6
2 1	7 30.14	− 0 42.7	2.085	2.992	8.8	20.7
2 11	7 23.83	+ 0 1.8	2.133	2.991	11.0	20.8
2 21	7 19.44	+ 0 55.1	2.204	2.990	13.4	21.0

180578 2004 FL_{18} 1 14.9 312.°25 1.°1/14.6 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 13	8 7.81	+20 50.7	1.489	2.336	15.5	20.5
12 23	8 3.55	+21 35.7	1.396	2.311	11.5	20.1
1 2	7 56.24	+22 31.1	1.325	2.286	6.8	19.8
1 12	7 46.67	+23 31.7	1.280	2.262	1.8	19.4
1 22	7 36.11	+24 30.5	1.262	2.238	4.3	19.5
2 1	7 26.15	+25 21.5	1.271	2.215	9.6	19.8
2 11	7 18.36	+26 1.0	1.304	2.192	14.6	20.0
2 21	7 13.81	+26 28.0	1.357	2.170	18.9	20.2

393441 2001 TE_{162} 1 14.9 96.°60 3.°8/16.3 17

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 13	8 12.62	+11 37.6	1.516	2.335	16.7	21.4
12 23	8 6.32	+11 26.6	1.457	2.351	12.7	21.2
1 2	7 57.39	+11 30.2	1.420	2.367	8.3	21.0
1 12	7 46.84	+11 47.0	1.409	2.382	4.4	20.8
1 22	7 35.99	+12 14.1	1.426	2.397	4.8	20.9
2 1	7 26.23	+12 47.8	1.470	2.412	8.8	21.1
2 11	7 18.74	+13 24.0	1.540	2.427	12.8	21.4
2 21	7 14.17	+13 59.3	1.631	2.441	16.3	21.7

325882 2010 TT_{176} 1 14.9 24.°22 4.°0/14.2 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 13	8 14.77	+31 13.7	1.462	2.305	15.9	19.6
12 23	8 8.30	+31 17.2	1.400	2.311	11.9	19.4
1 2	7 58.67	+31 14.2	1.362	2.317	7.5	19.1
1 12	7 47.14	+30 59.1	1.349	2.324	4.2	19.0
1 22	7 35.34	+30 28.8	1.363	2.331	5.7	19.1
2 1	7 24.96	+29 44.1	1.405	2.339	9.9	19.3
2 11	7 17.34	+28 48.7	1.470	2.348	13.9	19.6
2 21	7 13.14	+27 47.4	1.557	2.357	17.4	19.8

108965 2001 PW_{37} 1 14.9 279.°63 4.°2/12.9 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 13	8 9.48	+32 10.0	2.248	3.078	11.6	19.2
12 23	8 3.80	+33 3.7	2.174	3.076	8.7	19.0
1 2	7 55.88	+33 54.3	2.126	3.074	5.9	18.8
1 12	7 46.51	+34 36.3	2.106	3.072	4.2	18.7
1 22	7 36.69	+35 5.1	2.116	3.070	5.4	18.8
2 1	7 27.59	+35 18.5	2.154	3.068	8.2	19.0
2 11	7 20.22	+35 17.0	2.218	3.066	11.1	19.2
2 21	7 15.26	+35 3.0	2.305	3.064	13.7	19.3

294683 2008 AG_{108} 1 14.9 81.°41 0.°5/15.2 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 13	8 11.63	+17 34.6	1.662	2.491	15.0	21.1
12 23	8 5.46	+18 10.7	1.608	2.513	11.0	20.9
1 2	7 56.82	+18 55.9	1.577	2.535	6.5	20.7
1 12	7 46.70	+19 45.5	1.574	2.556	1.6	20.4
1 22	7 36.33	+20 34.5	1.600	2.577	3.3	20.6
2 1	7 27.01	+21 18.6	1.655	2.598	7.8	20.9
2 11	7 19.81	+21 55.4	1.736	2.619	11.8	21.2
2 21	7 15.36	+22 24.0	1.839	2.640	15.1	21.5

432018 2008 VT_{18} 1 15.0 88.°22 3.°8/13.2 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 13	8 10.72	+30 34.0	2.166	2.996	11.9	21.3
12 23	8 4.59	+31 30.1	2.108	3.012	8.9	21.1
1 2	7 56.26	+32 23.5	2.077	3.027	5.8	21.0
1 12	7 46.57	+33 8.4	2.073	3.042	3.8	20.9
1 22	7 36.60	+33 40.6	2.100	3.058	5.1	21.0
2 1	7 27.47	+33 57.9	2.155	3.073	8.0	21.2
2 11	7 20.18	+34 1.0	2.236	3.087	10.9	21.4
2 21	7 15.32	+33 52.3	2.340	3.102	13.4	21.6

203115 2000 SH_{196} 1 15.0 34.°19 1.°7/14.5 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 13	8 11.69	+23 39.9	1.262	2.116	17.3	19.8
12 23	8 6.30	+24 3.0	1.206	2.124	12.7	19.6
1 2	7 57.65	+24 30.1	1.171	2.133	7.4	19.3
1 12	7 46.93	+24 55.2	1.161	2.142	2.2	19.0
1 22	7 35.81	+25 13.0	1.177	2.153	4.6	19.2
2 1	7 26.05	+25 20.4	1.219	2.163	9.9	19.5
2 11	7 19.08	+25 17.5	1.284	2.175	14.6	19.8
2 21	7 15.63	+25 6.0	1.369	2.186	18.5	20.1

6459 Hidesan 1 15.0 75.°40 4.°1/17.2 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 13	8 6.03	+ 7 22.4	2.148	2.944	13.2	17.2
12 23	8 0.97	+ 7 25.4	2.078	2.954	10.3	17.0
1 2	7 54.08	+ 7 42.9	2.031	2.965	7.2	16.8
1 12	7 46.06	+ 8 14.0	2.011	2.975	4.6	16.7
1 22	7 37.77	+ 8 56.3	2.021	2.985	4.6	16.7
2 1	7 30.10	+ 9 46.5	2.059	2.995	7.1	16.9
2 11	7 23.90	+10 40.5	2.125	3.006	10.1	17.1
2 21	7 19.71	+11 34.6	2.214	3.016	12.9	17.3

106924 2000 YT_{57} 1 15.0 331.°76 1.°1/15.4 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 13	8 7.42	+17 10.1	1.316	2.164	17.0	19.9
12 23	8 3.28	+17 26.7	1.238	2.152	12.7	19.6
1 2	7 56.04	+17 56.0	1.181	2.141	7.7	19.3
1 12	7 46.61	+18 34.5	1.149	2.131	2.3	18.9
1 22	7 36.41	+19 17.1	1.143	2.121	4.0	19.0
2 1	7 27.09	+19 58.4	1.162	2.112	9.6	19.3
2 11	7 20.18	+20 34.6	1.205	2.104	14.7	19.5
2 21	7 16.62	+21 3.4	1.267	2.097	19.0	19.8

3191 Svanetia 1 15.0 235.°89 1.°3/14.5 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 13	8 8.86	+23 24.5	2.065	2.897	12.4	16.9
12 23	8 3.32	+23 52.9	1.988	2.896	9.1	16.7
1 2	7 55.59	+24 24.2	1.936	2.895	5.3	16.5
1 12	7 46.44	+24 54.6	1.913	2.894	1.6	16.2
1 22	7 36.89	+25 20.3	1.919	2.893	3.4	16.4
2 1	7 28.04	+25 38.7	1.954	2.892	7.3	16.6
2 11	7 20.91	+25 48.9	2.016	2.891	10.8	16.8
2 21	7 16.14	+25 51.4	2.101	2.890	13.9	17.0

176968 2002 XO_{56} 1 15.0 116.°91 3.°5/14.1 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 13	8 17.55	+31 20.8	1.919	2.743	13.5	20.3
12 23	8 9.64	+31 28.8	1.856	2.756	10.0	20.1
1 2	7 59.19	+31 31.0	1.818	2.769	6.4	19.9
1 12	7 47.25	+31 22.6	1.809	2.782	3.6	19.8
1 22	7 35.16	+31 1.0	1.829	2.794	4.9	19.9
2 1	7 24.27	+30 26.5	1.879	2.806	8.3	20.1
2 11	7 15.67	+29 42.1	1.956	2.817	11.8	20.3
2 21	7 9.98	+28 51.3	2.055	2.828	14.7	20.5

73949 1997 TT_{12} 1 15.0 35.°75 1.°1/14.6 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 13	8 8.58	+23 5.4	1.726	2.567	14.0	18.7
12 23	8 3.25	+23 25.8	1.669	2.581	10.2	18.5
1 2	7 55.55	+23 49.3	1.636	2.596	5.9	18.3
1 12	7 46.42	+24 11.8	1.630	2.612	1.6	18.1
1 22	7 37.04	+24 29.4	1.653	2.628	3.6	18.2
2 1	7 28.66	+24 40.1	1.703	2.645	7.8	18.5
2 11	7 22.31	+24 43.2	1.779	2.662	11.6	18.8
2 21	7 18.59	+24 39.4	1.877	2.680	14.8	19.0

199067 2005 XO_{32} 1 15.0 48.°34 1.°2/14.6 17

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 13	8 11.63	+20 57.9	1.206	2.059	17.9	19.9
12 23	8 6.32	+21 45.1	1.155	2.073	13.1	19.7
1 2	7 57.69	+22 41.1	1.124	2.086	7.6	19.4
1 12	7 46.96	+23 38.5	1.118	2.100	2.0	19.1
1 22	7 35.81	+24 29.8	1.139	2.115	4.6	19.3
2 1	7 26.05	+25 9.6	1.185	2.130	10.0	19.7
2 11	7 19.13	+25 36.2	1.254	2.145	14.8	20.0
2 21	7 15.79	+25 50.4	1.343	2.161	18.7	20.3

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
261487	2005 VZ_{134}		1 15.0	56.°33	2.°3/14.1	18
	h m	° ′			°	m
12 13	8 10.52	+25 44.9	1.784	2.622	13.7	20.6
12 23	8 4.79	+26 19.2	1.717	2.628	10.1	20.4
1 2	7 56.53	+26 54.8	1.675	2.633	6.0	20.2
1 12	7 46.68	+27 26.5	1.660	2.639	2.5	20.0
1 22	7 36.43	+27 49.8	1.673	2.645	4.3	20.1
2 1	7 27.12	+28 2.1	1.715	2.651	8.3	20.4
2 11	7 19.87	+28 3.3	1.782	2.657	12.1	20.6
2 21	7 15.38	+27 55.1	1.872	2.663	15.3	20.8
246148	2007 PC_{24}		1 15.0	172.°76	1.°2/15.5	18
12 13	8 12.53	+16 49.7	2.060	2.874	13.1	21.7
12 23	8 5.88	+16 58.7	1.981	2.878	9.7	21.5
1 2	7 57.04	+17 15.1	1.928	2.881	5.9	21.3
1 12	7 46.79	+17 36.5	1.904	2.884	1.9	21.0
1 22	7 36.15	+17 59.8	1.909	2.886	3.1	21.1
2 1	7 26.24	+18 22.6	1.946	2.886	7.1	21.4
2 11	7 18.06	+18 42.9	2.009	2.887	10.8	21.6
2 21	7 12.27	+18 59.7	2.097	2.886	13.9	21.8
252597	2001 XU_{25}		1 15.0	351.°52	1.°2/15.1	18
12 13	8 12.13	+22 41.2	1.285	2.136	17.2	18.8
12 23	8 6.64	+21 30.2	1.211	2.127	12.8	18.5
1 2	7 57.89	+20 16.8	1.158	2.119	7.7	18.2
1 12	7 47.03	+19 1.4	1.131	2.112	2.2	17.8
1 22	7 35.66	+17 45.6	1.130	2.107	4.3	18.0
2 1	7 25.56	+16 32.7	1.155	2.104	9.8	18.3
2 11	7 18.17	+15 25.7	1.205	2.101	14.9	18.5
2 21	7 14.28	+14 26.3	1.274	2.101	19.1	18.8
334950	2004 CJ_{53}		1 15.0	29.°65	0.°9/15.3	18
12 13	8 8.74	+19 14.3	1.899	2.729	13.4	19.8
12 23	8 3.18	+18 58.5	1.831	2.736	9.9	19.6
1 2	7 55.46	+18 47.4	1.787	2.744	5.9	19.4
1 12	7 46.41	+18 39.4	1.771	2.752	1.7	19.2
1 22	7 37.10	+18 32.9	1.783	2.760	3.1	19.3
2 1	7 28.65	+18 26.5	1.824	2.768	7.2	19.5
2 11	7 22.00	+18 19.5	1.892	2.777	10.9	19.8
2 21	7 17.76	+18 11.5	1.983	2.787	14.1	20.0
243540	2010 GH_{75}		1 15.0	268.°23	0.°2/14.9	18
12 13	8 6.39	+19 2.9	2.366	3.189	11.3	20.5
12 23	8 1.36	+19 46.9	2.276	3.179	8.3	20.3
1 2	7 54.42	+20 38.0	2.212	3.169	4.9	20.0
1 12	7 46.20	+21 32.7	2.177	3.159	1.1	19.8
1 22	7 37.50	+22 27.1	2.172	3.148	2.7	19.9
2 1	7 29.27	+23 17.4	2.198	3.138	6.4	20.1
2 11	7 22.38	+24 1.2	2.252	3.128	9.8	20.3
2 21	7 17.50	+24 37.2	2.329	3.117	12.7	20.5
187270	2005 TT_{34}		1 15.0	128.°37	0.°7/15.3	18
12 13	8 9.64	+17 49.5	1.973	2.797	13.2	21.2
12 23	8 3.84	+18 8.0	1.901	2.804	9.7	21.0
1 2	7 55.87	+18 33.9	1.854	2.810	5.8	20.7
1 12	7 46.52	+19 4.2	1.835	2.817	1.6	20.5
1 22	7 36.82	+19 35.4	1.846	2.823	3.0	20.6
2 1	7 27.88	+20 4.5	1.886	2.829	7.1	20.9
2 11	7 20.69	+20 29.5	1.953	2.835	10.8	21.1
2 21	7 15.87	+20 49.3	2.043	2.840	14.0	21.3
198886	2005 TT_{10}		1 15.0	144.°52	4.°4/13.6	18
12 13	8 18.15	+30 58.9	1.722	2.551	14.5	20.7
12 23	8 10.52	+31 43.8	1.659	2.562	10.9	20.5
1 2	7 59.94	+32 24.6	1.621	2.572	7.0	20.3
1 12	7 47.49	+32 54.1	1.610	2.581	4.4	20.2
1 22	7 34.66	+33 7.1	1.629	2.590	5.9	20.3
2 1	7 23.05	+33 2.1	1.675	2.597	9.5	20.5
2 11	7 13.97	+32 41.5	1.747	2.604	13.2	20.8
2 21	7 8.13	+32 9.4	1.841	2.611	16.3	21.0
60909	2000 JH_{31}		1 15.0	94.°19	3.°3/15.9	18
12 13	8 13.22	+13 40.4	1.500	2.323	16.6	18.9
12 23	8 6.82	+13 20.7	1.439	2.337	12.6	18.7
1 2	7 57.72	+13 13.0	1.401	2.351	8.0	18.5
1 12	7 46.97	+13 16.1	1.389	2.365	3.9	18.2
1 22	7 35.91	+13 27.7	1.405	2.378	4.5	18.3
2 1	7 25.98	+13 45.0	1.448	2.391	8.8	18.6
2 11	7 18.36	+14 5.1	1.517	2.404	13.0	18.9
2 21	7 13.73	+14 25.4	1.607	2.417	16.5	19.1
117194	2004 RJ_{153}		1 15.0	176.°56	0.°4/15.1	18
12 13	8 14.31	+20 13.0	1.754	2.580	14.5	20.3
12 23	8 7.53	+20 11.4	1.678	2.582	10.7	20.1
1 2	7 58.15	+20 14.5	1.626	2.583	6.3	19.8
1 12	7 47.08	+20 19.4	1.602	2.584	1.6	19.5
1 22	7 35.58	+20 23.3	1.608	2.584	3.4	19.6
2 1	7 25.01	+20 24.3	1.642	2.584	8.0	19.9
2 11	7 16.56	+20 21.7	1.703	2.584	12.2	20.1
2 21	7 10.94	+20 15.8	1.786	2.582	15.7	20.4

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
499791	2011 CJ_{58}		1 15.0	299.°13	3.°4/14.1	17
	h m	° ′			°	m
12 13	8 13.24	+30 27.1	1.842	2.676	13.5	21.3
12 23	8 6.97	+30 35.6	1.755	2.661	10.2	21.1
1 2	7 57.94	+30 39.7	1.691	2.645	6.5	20.8
1 12	7 47.08	+30 34.4	1.655	2.630	3.5	20.6
1 22	7 35.66	+30 16.3	1.648	2.615	5.0	20.7
2 1	7 25.12	+29 44.6	1.669	2.601	8.8	20.9
2 11	7 16.75	+29 1.4	1.716	2.586	12.7	21.1
2 21	7 11.32	+28 10.3	1.785	2.572	16.1	21.3
381898	2010 BM_{46}		1 15.0	349.°49	5.°4/11.8	18
12 13	8 9.38	+33 30.4	2.105	2.937	12.1	20.3
12 23	8 4.02	+34 57.8	2.035	2.936	9.3	20.1
1 2	7 56.19	+36 22.4	1.991	2.934	6.6	19.9
1 12	7 46.67	+37 36.5	1.975	2.933	5.4	19.9
1 22	7 36.58	+38 34.0	1.989	2.932	6.7	19.9
2 1	7 27.17	+39 11.3	2.030	2.931	9.4	20.1
2 11	7 19.62	+39 28.8	2.096	2.930	12.2	20.3
2 21	7 14.70	+39 29.1	2.183	2.929	14.7	20.5
403103	2008 CS_{151}		1 15.0	73.°61	5.°9/17.6	18
12 13	8 7.87	+ 4 54.4	1.728	2.525	15.9	21.3
12 23	8 2.75	+ 4 45.7	1.657	2.530	12.7	21.1
1 2	7 55.33	+ 4 56.5	1.608	2.536	9.2	20.9
1 12	7 46.46	+ 5 26.9	1.585	2.542	6.4	20.7
1 22	7 37.17	+ 6 14.7	1.588	2.548	6.2	20.7
2 1	7 28.66	+ 7 15.5	1.620	2.554	8.8	20.9
2 11	7 21.96	+ 8 23.3	1.677	2.560	12.2	21.1
2 21	7 17.74	+ 9 32.8	1.756	2.566	15.4	21.3
318606	2005 JN_{55}		1 15.0	49.°40	1.°6/14.2	18
12 13	8 7.28	+23 14.1	2.135	2.968	12.0	20.1
12 23	8 2.12	+24 7.7	2.066	2.974	8.7	19.9
1 2	7 54.90	+25 5.3	2.022	2.981	5.1	19.7
1 12	7 46.35	+26 2.0	2.007	2.987	1.8	19.5
1 22	7 37.43	+26 53.1	2.022	2.994	3.5	19.6
2 1	7 29.18	+27 35.1	2.066	3.001	7.1	19.9
2 11	7 22.54	+28 6.5	2.137	3.009	10.5	20.1
2 21	7 18.15	+28 27.4	2.232	3.016	13.3	20.3
388866	2008 QB_{11}		1 15.0	167.°27	1.°5/15.6	18
12 13	8 13.09	+15 43.4	1.788	2.606	14.6	21.7
12 23	8 6.60	+15 59.0	1.713	2.611	10.9	21.4
1 2	7 57.62	+16 24.7	1.662	2.616	6.6	21.2
1 12	7 47.01	+16 57.4	1.639	2.619	2.3	20.9
1 22	7 35.95	+17 33.5	1.646	2.622	3.4	21.0
2 1	7 25.72	+18 9.2	1.681	2.624	7.8	21.3
2 11	7 17.46	+18 41.8	1.744	2.625	11.9	21.5
2 21	7 11.90	+19 9.7	1.829	2.626	15.3	21.8
84995	Zselic		1 15.0	65.°87	2.°2/13.8	18
12 13	8 8.37	+24 41.3	2.080	2.914	12.2	19.3
12 23	8 2.97	+25 42.6	2.015	2.924	8.9	19.2
1 2	7 55.41	+26 46.9	1.976	2.934	5.3	19.0
1 12	7 46.48	+27 48.4	1.966	2.945	2.3	18.8
1 22	7 37.18	+28 42.2	1.986	2.955	4.0	18.9
2 1	7 28.61	+29 24.7	2.034	2.966	7.5	19.1
2 11	7 21.75	+29 54.7	2.110	2.976	10.8	19.4
2 21	7 17.24	+30 12.8	2.208	2.987	13.6	19.6
310052	2010 JY_1		1 15.0	215.°01	0.°7/15.3	18
12 13	8 12.39	+18 21.5	1.905	2.727	13.7	21.7
12 23	8 6.10	+18 32.7	1.818	2.720	10.2	21.4
1 2	7 57.37	+18 50.8	1.757	2.712	6.1	21.2
1 12	7 46.98	+19 13.1	1.723	2.704	1.7	20.9
1 22	7 36.03	+19 36.1	1.719	2.696	3.2	20.9
2 1	7 25.78	+19 57.2	1.744	2.686	7.6	21.2
2 11	7 17.38	+20 14.3	1.797	2.676	11.7	21.4
2 21	7 11.57	+20 27.0	1.872	2.666	15.2	21.6
23495	1991 UQ_1		1 15.0	35.°01	7.°9/12.7	18
12 13	8 14.06	+33 46.6	1.075	1.937	19.0	17.1
12 23	8 8.81	+35 12.0	1.034	1.950	14.5	16.8
1 2	7 59.44	+36 29.3	1.014	1.965	10.2	16.7
1 12	7 47.47	+37 25.7	1.016	1.980	7.9	16.6
1 22	7 35.10	+37 52.4	1.043	1.997	9.6	16.7
2 1	7 24.64	+37 47.8	1.092	2.014	13.5	17.0
2 11	7 17.79	+37 17.2	1.162	2.032	17.5	17.3
2 21	7 15.23	+36 28.6	1.250	2.050	20.9	17.6
423356	2005 JM_1		1 15.0	244.°49	5.°0/17.7	17
12 13	8 5.66	+ 1 10.5	3.278	4.023	10.2	22.2
12 23	8 0.34	+ 0 47.5	3.168	4.002	8.4	22.0
1 2	7 53.66	+ 0 35.8	3.082	3.980	6.6	21.8
1 12	7 46.08	+ 0 36.7	3.025	3.957	5.2	21.7
1 22	7 38.13	+ 0 50.0	2.998	3.933	5.1	21.7
2 1	7 30.45	+ 1 14.5	3.002	3.909	6.4	21.7
2 11	7 23.64	+ 1 48.2	3.033	3.884	8.3	21.8
2 21	7 18.17	+ 2 28.2	3.091	3.859	10.3	21.9

412547 2014 NW_{12} 1 15.0 210.°75 1.°5/14.4 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 13	8 12.18	+22 11.0	1.707	2.541	14.4	21.3
12 23	8 6.28	+23 3.5	1.629	2.538	10.6	21.1
1 2	7 57.62	+24 2.7	1.575	2.534	6.2	20.8
1 12	7 47.07	+25 2.6	1.548	2.530	1.9	20.5
1 22	7 35.86	+25 56.9	1.551	2.525	4.1	20.6
2 1	7 25.44	+26 40.9	1.582	2.520	8.7	20.9
2 11	7 17.13	+27 12.5	1.639	2.514	12.9	21.1
2 21	7 11.75	+27 32.1	1.718	2.509	16.4	21.4

164672 1996 XX_{29} 1 15.0 0.°75 1.°4/14.6 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 13	8 8.30	+22 12.7	1.211	2.070	17.5	19.5
12 23	8 4.11	+22 45.9	1.146	2.067	12.9	19.2
1 2	7 56.59	+23 26.6	1.103	2.066	7.6	18.9
1 12	7 46.83	+24 8.5	1.084	2.066	2.1	18.6
1 22	7 36.44	+24 45.1	1.090	2.067	4.7	18.8
2 1	7 27.22	+25 11.5	1.122	2.069	10.2	19.1
2 11	7 20.73	+25 25.9	1.175	2.072	15.2	19.4
2 21	7 17.81	+25 29.3	1.248	2.075	19.4	19.6

55554 2001 XY_{257} 1 15.0 192.°23 0.°5/14.9 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 13	8 12.84	+22 55.3	2.226	3.046	12.0	19.3
12 23	8 6.05	+22 51.8	2.143	3.045	8.8	19.1
1 2	7 57.15	+22 49.6	2.086	3.043	5.2	18.8
1 12	7 46.91	+22 46.0	2.059	3.040	1.3	18.6
1 22	7 36.32	+22 39.0	2.062	3.038	2.9	18.7
2 1	7 26.46	+22 27.7	2.095	3.034	6.8	18.9
2 11	7 18.29	+22 12.1	2.157	3.030	10.3	19.1
2 21	7 12.44	+21 53.2	2.243	3.026	13.3	19.3

454079 2012 WF_{24} 1 15.0 19.°35 4.°6/13.5 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 13	8 10.79	+27 4.6	1.091	1.956	18.5	20.2
12 23	8 6.31	+28 14.5	1.038	1.960	13.7	19.9
1 2	7 58.01	+29 27.2	1.005	1.966	8.5	19.7
1 12	7 47.18	+30 31.9	0.995	1.972	4.7	19.5
1 22	7 35.72	+31 19.1	1.011	1.979	7.0	19.6
2 1	7 25.76	+31 43.8	1.050	1.987	12.0	19.9
2 11	7 19.02	+31 46.9	1.110	1.996	16.7	20.2
2 21	7 16.32	+31 32.7	1.188	2.006	20.7	20.5

307368 2002 RO_{260} 1 15.0 251.°20 3.°7/13.8 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 13	8 13.62	+29 28.2	1.793	2.627	13.8	21.1
12 23	8 7.35	+30 3.4	1.711	2.618	10.3	20.8
1 2	7 58.24	+30 36.8	1.654	2.608	6.6	20.6
1 12	7 47.22	+31 2.3	1.624	2.599	3.8	20.4
1 22	7 35.58	+31 14.8	1.623	2.589	5.3	20.5
2 1	7 24.82	+31 12.0	1.650	2.578	9.2	20.7
2 11	7 16.27	+30 55.1	1.702	2.568	13.0	20.9
2 21	7 10.73	+30 27.1	1.776	2.557	16.4	21.1

521015 2015 CF_{68} 1 15.0 1.°51 4.°6/17.6 17

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 13	8 5.00	+ 5 16.6	2.272	3.058	12.9	21.8
12 23	8 0.26	+ 5 24.2	2.189	3.058	10.3	21.6
1 2	7 53.76	+ 5 47.4	2.131	3.058	7.4	21.4
1 12	7 46.12	+ 6 25.8	2.100	3.058	5.0	21.3
1 22	7 38.12	+ 7 17.2	2.097	3.058	4.9	21.2
2 1	7 30.64	+ 8 18.0	2.124	3.058	7.1	21.4
2 11	7 24.48	+ 9 23.8	2.178	3.058	9.9	21.6
2 21	7 20.23	+10 30.4	2.257	3.058	12.7	21.7

268531 2005 YX_{274} 1 15.0 3.°49 3.°3/16.5 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 13	8 4.77	+11 15.2	1.454	2.288	16.5	19.7
12 23	8 0.93	+11 35.7	1.385	2.287	12.6	19.5
1 2	7 54.49	+12 14.2	1.336	2.287	8.2	19.2
1 12	7 46.33	+13 8.4	1.313	2.288	4.0	19.0
1 22	7 37.64	+14 13.5	1.316	2.291	4.4	19.0
2 1	7 29.79	+15 23.3	1.345	2.294	8.7	19.2
2 11	7 24.00	+16 31.7	1.399	2.298	13.0	19.5
2 21	7 21.03	+17 34.2	1.475	2.303	16.8	19.8

320873 2008 GM_{10} 1 15.0 336.°03 2.°6/14.0 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 13	8 10.74	+26 6.0	1.751	2.590	13.9	21.0
12 23	8 5.13	+26 44.3	1.678	2.589	10.2	20.7
1 2	7 56.88	+27 24.1	1.629	2.587	6.2	20.5
1 12	7 46.89	+27 59.8	1.608	2.586	2.7	20.3
1 22	7 36.40	+28 26.5	1.614	2.585	4.5	20.4
2 1	7 26.79	+28 41.2	1.649	2.584	8.6	20.6
2 11	7 19.27	+28 43.8	1.709	2.583	12.5	20.9
2 21	7 14.61	+28 35.8	1.791	2.582	15.8	21.1

194196 2001 TV_{82} 1 15.0 127.°60 12.°2/21.4 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 13	8 11.44	−12 34.0	1.907	2.596	18.2	21.4
12 23	8 5.14	−13 37.2	1.847	2.613	16.2	21.3
1 2	7 56.66	−14 11.6	1.805	2.628	14.2	21.2
1 12	7 46.81	−14 12.8	1.786	2.644	12.7	21.1
1 22	7 36.64	−13 39.8	1.790	2.658	12.2	21.1
2 1	7 27.28	−12 35.8	1.818	2.671	12.8	21.2
2 11	7 19.70	−11 7.9	1.870	2.684	14.3	21.3
2 21	7 14.54	− 9 24.9	1.943	2.696	16.1	21.5

365361 2009 SD_{352} 1 15.0 97.°66 0.°2/15.1 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 13	8 10.98	+18 12.7	2.249	3.065	12.1	21.2
12 23	8 4.48	+18 52.8	2.194	3.093	8.8	21.1
1 2	7 56.12	+19 39.0	2.165	3.121	5.1	20.9
1 12	7 46.66	+20 27.5	2.166	3.148	1.2	20.6
1 22	7 37.02	+21 14.5	2.198	3.174	2.7	20.8
2 1	7 28.16	+21 56.9	2.260	3.200	6.3	21.1
2 11	7 20.92	+22 32.7	2.351	3.225	9.5	21.3
2 21	7 15.82	+23 1.3	2.466	3.249	12.2	21.6

43768 Lynevans 1 15.0 101.°83 1.°0/14.7 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 13	8 10.60	+24 40.2	2.348	3.172	11.3	18.5
12 23	8 4.24	+24 39.6	2.279	3.182	8.3	18.3
1 2	7 55.99	+24 39.1	2.236	3.193	4.8	18.1
1 12	7 46.63	+24 36.0	2.222	3.203	1.4	17.9
1 22	7 37.08	+24 28.6	2.239	3.214	2.9	18.0
2 1	7 28.29	+24 16.0	2.286	3.224	6.4	18.2
2 11	7 21.12	+23 58.6	2.361	3.234	9.6	18.4
2 21	7 16.07	+23 37.3	2.461	3.244	12.3	18.6

278782 2008 SY_{182} 1 15.0 151.°47 2.°5/16.2 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 13	8 7.17	+12 27.7	2.315	3.122	12.1	21.7
12 23	8 1.80	+12 29.3	2.237	3.125	9.1	21.5
1 2	7 54.63	+12 40.6	2.183	3.129	5.9	21.3
1 12	7 46.33	+13 0.3	2.158	3.132	3.0	21.2
1 22	7 37.71	+13 26.3	2.162	3.135	3.3	21.2
2 1	7 29.68	+13 56.2	2.197	3.137	6.4	21.4
2 11	7 23.04	+14 27.4	2.259	3.140	9.6	21.6
2 21	7 18.34	+14 57.7	2.346	3.142	12.4	21.8

197270 2003 WA_{95} 1 15.0 66.°03 0.°6/15.3 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 13	8 8.66	+18 49.0	2.006	2.832	12.9	20.3
12 23	8 3.07	+18 57.5	1.941	2.845	9.5	20.1
1 2	7 55.42	+19 11.8	1.901	2.857	5.6	19.9
1 12	7 46.52	+19 29.3	1.889	2.870	1.5	19.7
1 22	7 37.36	+19 47.3	1.906	2.883	2.9	19.8
2 1	7 29.01	+20 3.4	1.952	2.896	6.9	20.1
2 11	7 22.37	+20 16.3	2.026	2.909	10.4	20.3
2 21	7 18.02	+20 25.2	2.123	2.922	13.4	20.5

372936 2011 BN_{51} 1 15.0 159.°52 0.°7/14.7 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 13	8 9.33	+21 19.0	2.169	2.994	12.1	21.0
12 23	8 3.59	+21 53.2	2.093	2.998	8.8	20.8
1 2	7 55.77	+22 32.1	2.043	3.001	5.1	20.6
1 12	7 46.62	+23 11.8	2.022	3.004	1.3	20.3
1 22	7 37.09	+23 48.5	2.031	3.006	3.0	20.4
2 1	7 28.22	+24 19.2	2.070	3.009	6.9	20.7
2 11	7 20.96	+24 42.5	2.136	3.011	10.3	20.9
2 21	7 15.95	+24 58.2	2.226	3.012	13.3	21.1

84722 2002 WV_2 1 15.0 350.°13 13.°4/ 8.8 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 13	8 23.27	+53 35.0	1.697	2.483	16.6	18.6
12 23	8 16.00	+55 23.6	1.649	2.482	14.9	18.5
1 2	8 3.98	+56 49.8	1.621	2.480	13.7	18.4
1 12	7 48.66	+57 40.7	1.615	2.479	13.5	18.4
1 22	7 32.47	+57 48.7	1.632	2.478	14.4	18.4
2 1	7 18.20	+57 14.3	1.670	2.477	16.0	18.6
2 11	7 8.01	+56 5.0	1.728	2.477	17.9	18.7
2 21	7 2.80	+54 31.6	1.801	2.477	19.7	18.8

241317 2007 VL_{59} 1 15.0 59.°76 1.°6/14.3 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 13	8 8.07	+24 58.8	2.257	3.088	11.5	20.5
12 23	8 2.58	+25 23.5	2.186	3.093	8.4	20.3
1 2	7 55.13	+25 49.4	2.141	3.099	5.0	20.1
1 12	7 46.46	+26 12.8	2.124	3.104	1.8	19.9
1 22	7 37.49	+26 30.6	2.138	3.110	3.3	20.0
2 1	7 29.22	+26 40.9	2.180	3.116	6.8	20.3
2 11	7 22.53	+26 43.3	2.250	3.122	10.0	20.5
2 21	7 18.00	+26 38.6	2.343	3.128	12.8	20.7

376477 2012 JK_{38} 1 15.0 217.°19 3.°3/16.6 16

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 13	8 7.81	+ 9 42.6	2.382	3.177	12.1	22.4
12 23	8 2.31	+ 9 42.8	2.291	3.170	9.4	22.2
1 2	7 54.98	+ 9 54.4	2.224	3.162	6.4	22.0
1 12	7 46.45	+10 16.7	2.186	3.154	3.8	21.8
1 22	7 37.50	+10 48.0	2.177	3.145	3.9	21.8
2 1	7 29.02	+11 25.5	2.199	3.136	6.7	22.0
2 11	7 21.86	+12 6.4	2.249	3.126	9.8	22.2
2 21	7 16.63	+12 47.7	2.323	3.116	12.6	22.3

380214 2001 PW_{32} 1 15.0 83.°43 4.°0/12.9 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 13	8 10.94	+31 37.9	2.333	3.160	11.3	20.9
12 23	8 4.67	+32 41.1	2.282	3.182	8.4	20.8
1 2	7 56.33	+33 40.6	2.257	3.205	5.6	20.6
1 12	7 46.75	+34 30.9	2.262	3.227	4.0	20.6
1 22	7 36.92	+35 7.9	2.296	3.249	5.1	20.7
2 1	7 27.91	+35 29.6	2.359	3.271	7.7	20.9
2 11	7 20.63	+35 36.6	2.449	3.292	10.4	21.1
2 21	7 15.65	+35 31.4	2.562	3.313	12.7	21.3

214327 2005 JQ_{66} 1 15.0 124.°02 2.°3/14.1 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 13	8 13.81	+26 44.0	2.105	2.930	12.4	20.7
12 23	8 6.82	+27 17.5	2.044	2.947	9.1	20.5
1 2	7 57.61	+27 50.6	2.008	2.963	5.5	20.3
1 12	7 47.06	+28 18.4	2.001	2.979	2.5	20.1
1 22	7 36.26	+28 37.3	2.025	2.994	4.0	20.3
2 1	7 26.37	+28 45.5	2.078	3.008	7.4	20.5
2 11	7 18.37	+28 43.4	2.159	3.022	10.7	20.7
2 21	7 12.87	+28 32.9	2.262	3.035	13.5	21.0

2465 Wilson 1 15.0 172.°51 0.°0/14.9 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 13	8 10.17	+20 39.5	2.127	2.951	12.3	17.0
12 23	8 4.20	+20 47.8	2.049	2.953	9.1	16.8
1 2	7 56.13	+21 0.0	1.997	2.954	5.3	16.6
1 12	7 46.73	+21 13.6	1.973	2.955	1.3	16.3
1 22	7 36.98	+21 25.8	1.979	2.955	2.9	16.4
2 1	7 27.93	+21 34.7	2.015	2.956	6.8	16.7
2 11	7 20.55	+21 39.4	2.078	2.956	10.4	16.9
2 21	7 15.44	+21 39.8	2.165	2.956	13.4	17.1

271390 2004 BL_{85} 1 15.0 54.°56 2.°5/14.4 17

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 13	8 16.08	+24 47.5	1.075	1.932	19.3	19.7
12 23	8 9.77	+25 20.1	1.034	1.954	14.1	19.4
1 2	7 59.76	+25 55.3	1.015	1.976	8.3	19.2
1 12	7 47.58	+26 24.9	1.019	1.999	3.0	18.9
1 22	7 35.26	+26 42.8	1.048	2.023	5.4	19.2
2 1	7 24.80	+26 46.6	1.102	2.046	10.8	19.5
2 11	7 17.68	+26 37.7	1.179	2.070	15.6	19.9
2 21	7 14.50	+26 19.4	1.274	2.094	19.5	20.2

36475 2000 QV_{28} 1 15.0 266.°09 3.°3/16.3 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 13	8 9.62	+11 41.9	1.570	2.391	16.1	18.7
12 23	8 4.48	+11 52.8	1.487	2.384	12.3	18.5
1 2	7 56.63	+12 19.6	1.428	2.376	8.0	18.2
1 12	7 46.91	+13 0.8	1.393	2.369	4.0	18.0
1 22	7 36.52	+13 52.4	1.387	2.361	4.4	18.0
2 1	7 26.86	+14 49.4	1.408	2.353	8.8	18.2
2 11	7 19.24	+15 46.8	1.454	2.345	13.2	18.4
2 21	7 14.50	+16 40.5	1.522	2.338	17.1	18.7

473874 2016 EK_{138} 1 15.0 272.°06 2.°5/14.0 17

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 13	8 10.24	+26 34.5	2.032	2.865	12.5	21.9
12 23	8 4.61	+27 9.8	1.943	2.851	9.3	21.6
1 2	7 56.57	+27 46.4	1.880	2.837	5.6	21.4
1 12	7 46.88	+28 19.3	1.845	2.823	2.6	21.2
1 22	7 36.60	+28 44.0	1.839	2.808	4.2	21.2
2 1	7 26.97	+28 57.8	1.862	2.794	8.0	21.4
2 11	7 19.11	+29 0.3	1.911	2.780	11.7	21.6
2 21	7 13.80	+28 52.7	1.983	2.765	14.8	21.8

364405 2006 VR_{115} 1 15.0 157.°88 3.°9/16.6 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 13	8 10.04	+ 9 39.6	2.085	2.883	13.5	21.8
12 23	8 4.04	+ 9 21.9	2.008	2.888	10.5	21.6
1 2	7 56.02	+ 9 16.0	1.956	2.893	7.2	21.4
1 12	7 46.72	+ 9 21.9	1.931	2.898	4.4	21.2
1 22	7 37.09	+ 9 38.1	1.936	2.902	4.5	21.2
2 1	7 28.13	+10 2.3	1.970	2.905	7.4	21.4
2 11	7 20.76	+10 31.5	2.031	2.909	10.7	21.6
2 21	7 15.60	+11 2.8	2.116	2.911	13.6	21.8

53203 1999 CA_{73} 1 15.0 54.°44 7.°2/18.2 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 13	8 9.37	+ 2 56.2	1.509	2.304	17.9	18.4
12 23	8 3.88	+ 2 32.8	1.461	2.330	14.4	18.3
1 2	7 55.99	+ 2 32.5	1.434	2.355	10.7	18.1
1 12	7 46.70	+ 2 55.9	1.431	2.381	7.8	18.0
1 22	7 37.23	+ 3 40.3	1.454	2.407	7.4	18.1
2 1	7 28.84	+ 4 40.6	1.503	2.434	9.7	18.3
2 11	7 22.54	+ 5 49.7	1.577	2.460	12.9	18.5
2 21	7 18.93	+ 7 1.2	1.673	2.486	15.9	18.8

274308 2008 QN_{37} 1 15.1 15.°13 0.°7/14.8 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 13	8 8.98	+21 59.5	1.954	2.787	12.9	20.4
12 23	8 3.53	+22 18.2	1.880	2.787	9.5	20.2
1 2	7 55.83	+22 41.0	1.829	2.788	5.5	20.0
1 12	7 46.69	+23 4.1	1.807	2.789	1.4	19.7
1 22	7 37.16	+23 24.2	1.814	2.790	3.2	19.8
2 1	7 28.39	+23 38.8	1.849	2.791	7.3	20.1
2 11	7 21.39	+23 46.9	1.912	2.792	11.1	20.3
2 21	7 16.83	+23 48.7	1.996	2.793	14.2	20.5

227708 2006 DT_{102} 1 15.1 23.°95 0.°6/15.3 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 13	8 8.00	+18 10.5	1.946	2.774	13.2	20.1
12 23	8 2.79	+18 30.1	1.871	2.775	9.7	19.9
1 2	7 55.40	+18 57.1	1.820	2.777	5.8	19.7
1 12	7 46.60	+19 28.5	1.796	2.778	1.6	19.4
1 22	7 37.40	+20 0.8	1.802	2.780	3.0	19.5
2 1	7 28.91	+20 31.0	1.837	2.781	7.2	19.8
2 11	7 22.12	+20 56.7	1.899	2.783	10.9	20.0
2 21	7 17.70	+21 16.9	1.983	2.785	14.1	20.2

506304 2017 OF 1 15.1 229.°91 1.°3/15.5 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 13	8 10.58	+17 38.9	2.315	3.128	11.8	21.0
12 23	8 4.41	+17 24.6	2.223	3.119	8.8	20.8
1 2	7 56.26	+17 14.9	2.156	3.109	5.4	20.6
1 12	7 46.81	+17 8.7	2.119	3.098	1.9	20.3
1 22	7 36.94	+17 4.6	2.112	3.088	2.9	20.4
2 1	7 27.65	+17 1.3	2.136	3.076	6.5	20.6
2 11	7 19.84	+16 58.1	2.187	3.065	10.0	20.8
2 21	7 14.13	+16 54.3	2.263	3.053	13.0	21.0

291396 2006 CT_{49} 1 15.1 267.°90 1.°4/14.7 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 13	8 13.56	+23 55.2	1.547	2.386	15.4	21.1
12 23	8 7.58	+24 7.7	1.465	2.376	11.4	20.8
1 2	7 58.54	+24 23.1	1.406	2.365	6.8	20.5
1 12	7 47.41	+24 36.4	1.373	2.355	2.0	20.2
1 22	7 35.57	+24 43.4	1.368	2.344	4.2	20.3
2 1	7 24.67	+24 41.6	1.391	2.333	9.2	20.6
2 11	7 16.13	+24 31.1	1.439	2.322	13.8	20.8
2 21	7 10.85	+24 13.5	1.507	2.311	17.7	21.0

34249 Leolo 1 15.1 93.°51 1.°6/14.4 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 13	8 10.91	+23 37.5	1.922	2.753	13.1	19.3
12 23	8 4.91	+24 18.3	1.860	2.767	9.6	19.1
1 2	7 56.61	+25 2.0	1.823	2.781	5.6	18.9
1 12	7 46.89	+25 43.8	1.814	2.794	1.9	18.7
1 22	7 36.85	+26 19.1	1.834	2.808	3.7	18.8
2 1	7 27.68	+26 45.1	1.884	2.821	7.6	19.1
2 11	7 20.42	+27 1.0	1.960	2.834	11.2	19.3
2 21	7 15.70	+27 7.5	2.059	2.846	14.2	19.5

226830 2004 RH_{324} 1 15.1 68.°70 0.°7/15.4 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 13	8 8.69	+17 30.2	1.858	2.686	13.7	20.5
12 23	8 3.32	+17 57.0	1.791	2.696	10.1	20.3
1 2	7 55.70	+18 32.2	1.749	2.705	6.0	20.0
1 12	7 46.68	+19 12.5	1.734	2.715	1.7	19.8
1 22	7 37.31	+19 53.7	1.748	2.725	3.1	19.9
2 1	7 28.74	+20 32.2	1.791	2.735	7.3	20.2
2 11	7 21.97	+21 5.5	1.860	2.745	11.1	20.4
2 21	7 17.66	+21 32.2	1.952	2.754	14.3	20.7

95840 2003 FT_{107} 1 15.1 228.°01 6.°5/17.9 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 13	8 7.26	+ 1 23.3	2.252	3.017	13.7	19.9
12 23	8 2.00	+ 0 54.2	2.163	3.009	11.3	19.8
1 2	7 54.87	+ 0 41.5	2.096	3.002	8.8	19.6
1 12	7 46.49	+ 0 46.9	2.056	2.994	6.9	19.5
1 22	7 37.68	+ 1 10.0	2.044	2.985	6.7	19.4
2 1	7 29.36	+ 1 48.8	2.061	2.977	8.4	19.5
2 11	7 22.39	+ 2 39.3	2.104	2.968	10.9	19.7
2 21	7 17.39	+ 3 36.9	2.170	2.959	13.5	19.8

140233 2001 SA_{246} 1 15.1 60.°52 0.°6/14.8 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 13	8 8.42	+21 45.7	2.117	2.946	12.2	20.0
12 23	8 2.83	+22 7.1	2.058	2.964	8.9	19.8
1 2	7 55.28	+22 31.9	2.024	2.982	5.1	19.6
1 12	7 46.56	+22 56.8	2.019	3.001	1.3	19.4
1 22	7 37.64	+23 18.7	2.044	3.019	2.9	19.6
2 1	7 29.52	+23 35.5	2.098	3.038	6.7	19.8
2 11	7 23.07	+23 46.1	2.179	3.057	10.0	20.1
2 21	7 18.81	+23 50.8	2.283	3.076	12.8	20.3

83743 2001 TZ_{133} 1 15.1 51.°54 2.°0/16.2 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 13	8 5.73	+12 39.9	2.193	3.006	12.4	19.5
12 23	8 0.88	+13 9.8	2.120	3.013	9.4	19.3
1 2	7 54.18	+13 51.0	2.072	3.021	5.9	19.1
1 12	7 46.32	+14 41.0	2.052	3.028	2.6	18.9
1 22	7 38.14	+15 36.4	2.061	3.036	3.0	19.0
2 1	7 30.55	+16 33.2	2.101	3.044	6.4	19.2
2 11	7 24.39	+17 27.9	2.168	3.053	9.7	19.4
2 21	7 20.24	+18 17.9	2.259	3.061	12.6	19.6

359116 2009 BX_{44} 1 15.1 248.°42 0.°7/15.3 17

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 13	8 11.24	+18 12.4	1.798	2.624	14.1	22.0
12 23	8 5.50	+18 28.0	1.708	2.612	10.6	21.7
1 2	7 57.19	+18 51.6	1.643	2.600	6.3	21.4
1 12	7 47.10	+19 20.4	1.606	2.587	1.7	21.1
1 22	7 36.35	+19 50.4	1.597	2.574	3.3	21.2
2 1	7 26.26	+20 18.4	1.617	2.560	8.0	21.4
2 11	7 18.06	+20 41.8	1.663	2.546	12.3	21.7
2 21	7 12.57	+20 59.9	1.732	2.532	15.9	21.9

434182 2002 WU_{26} 1 15.1 89.°36 0.°6/15.4 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 13	8 4.16	+17 54.5	3.340	4.151	8.6	21.5
12 23	7 59.12	+18 4.8	3.276	4.171	6.3	21.4
1 2	7 52.90	+18 19.0	3.238	4.191	3.7	21.2
1 12	7 45.99	+18 35.5	3.231	4.211	1.1	21.0
1 22	7 38.96	+18 52.7	3.255	4.231	1.9	21.1
2 1	7 32.37	+19 9.3	3.310	4.251	4.5	21.3
2 11	7 26.77	+19 24.1	3.395	4.270	6.9	21.5
2 21	7 22.53	+19 36.5	3.505	4.289	8.9	21.7

21199 1994 PV_8 1 15.1 15.°66 2.°6/16.0 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 13	8 8.33	+13 39.3	1.168	2.016	18.8	18.0
12 23	8 4.08	+13 57.7	1.107	2.018	14.2	17.8
1 2	7 56.60	+14 34.3	1.065	2.022	8.9	17.5
1 12	7 46.97	+15 25.8	1.047	2.026	3.6	17.2
1 22	7 36.72	+16 25.9	1.054	2.031	4.5	17.2
2 1	7 27.63	+17 27.8	1.086	2.037	9.9	17.6
2 11	7 21.19	+18 25.4	1.141	2.043	15.0	17.9
2 21	7 18.23	+19 14.9	1.215	2.051	19.3	18.2

104609 2000 GT_{100} 1 15.1 213.°39 4.°1/13.3 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 13	8 13.82	+31 53.8	2.165	2.989	12.1	20.2
12 23	8 7.16	+32 37.6	2.084	2.983	9.2	20.0
1 2	7 58.04	+33 17.9	2.029	2.977	6.1	19.8
1 12	7 47.28	+33 49.0	2.002	2.970	4.1	19.6
1 22	7 36.02	+34 6.4	2.005	2.962	5.4	19.7
2 1	7 25.51	+34 8.1	2.037	2.954	8.4	19.9
2 11	7 16.89	+33 55.1	2.095	2.945	11.6	20.1
2 21	7 10.90	+33 30.3	2.176	2.936	14.4	20.2

465593 2009 BL_{26} 1 15.1 237.°78 0.°3/14.9 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 13	8 6.66	+19 29.7	2.459	3.281	11.0	21.4
12 23	8 1.54	+20 17.8	2.373	3.276	8.0	21.2
1 2	7 54.61	+21 12.2	2.314	3.271	4.7	21.0
1 12	7 46.45	+22 9.6	2.284	3.266	1.1	20.7
1 22	7 37.87	+23 5.8	2.285	3.261	2.7	20.8
2 1	7 29.76	+23 57.4	2.317	3.256	6.2	21.1
2 11	7 22.96	+24 41.9	2.377	3.251	9.4	21.3
2 21	7 18.09	+25 18.2	2.461	3.246	12.2	21.4

244832 2003 UC_{44} 1 15.1 130.°95 0.°1/15.1 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 13	8 13.14	+19 41.8	1.932	2.754	13.5	21.9
12 23	8 6.46	+20 0.5	1.866	2.768	9.9	21.7
1 2	7 57.50	+20 24.8	1.825	2.781	5.8	21.5
1 12	7 47.13	+20 51.1	1.812	2.794	1.4	21.2
1 22	7 36.45	+21 15.8	1.829	2.806	3.1	21.4
2 1	7 26.67	+21 36.4	1.876	2.817	7.3	21.6
2 11	7 18.79	+21 51.6	1.951	2.828	11.0	21.9
2 21	7 13.44	+22 1.2	2.048	2.839	14.1	22.1

401393 2013 CN_{43} 1 15.1 242.°78 0.°7/14.8 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 13	8 11.47	+20 12.1	1.681	2.514	14.7	21.3
12 23	8 5.87	+20 57.9	1.597	2.505	10.8	21.0
1 2	7 57.50	+21 52.6	1.538	2.496	6.4	20.7
1 12	7 47.20	+22 50.9	1.505	2.487	1.6	20.4
1 22	7 36.17	+23 46.7	1.502	2.478	3.7	20.5
2 1	7 25.86	+24 35.1	1.527	2.468	8.6	20.8
2 11	7 17.60	+25 13.1	1.578	2.458	13.0	21.0
2 21	7 12.27	+25 40.2	1.650	2.448	16.7	21.2

281480 2008 SS_{236} 1 15.1 94.°01 2.°0/14.5 17

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 13	8 16.92	+24 42.4	1.498	2.334	16.0	21.2
12 23	8 9.69	+25 12.2	1.446	2.355	11.7	21.0
1 2	7 59.52	+25 43.7	1.418	2.377	6.9	20.8
1 12	7 47.60	+26 10.7	1.417	2.397	2.4	20.5
1 22	7 35.48	+26 28.5	1.444	2.418	4.4	20.7
2 1	7 24.72	+26 34.9	1.499	2.438	9.0	21.0
2 11	7 16.59	+26 30.6	1.580	2.457	13.2	21.3
2 21	7 11.71	+26 18.0	1.681	2.476	16.6	21.6

34795 2001 SB_{34} 1 15.1 281.°56 0.°3/15.2 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 13	8 6.95	+19 15.5	2.300	3.124	11.5	19.0
12 23	8 1.85	+19 31.6	2.211	3.114	8.5	18.8
1 2	7 54.83	+19 53.1	2.146	3.103	5.0	18.5
1 12	7 46.52	+20 17.7	2.110	3.092	1.3	18.3
1 22	7 37.78	+20 42.5	2.104	3.081	2.7	18.3
2 1	7 29.55	+21 5.0	2.128	3.071	6.4	18.6
2 11	7 22.74	+21 23.7	2.180	3.060	9.9	18.8
2 21	7 17.98	+21 37.7	2.255	3.049	12.9	18.9

259191 2003 AT_{31} 1 15.1 14.°74 0.°4/14.9 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 13	8 8.72	+19 49.3	1.531	2.374	15.4	20.0
12 23	8 3.86	+20 24.7	1.463	2.375	11.3	19.8
1 2	7 56.27	+21 8.6	1.418	2.378	6.6	19.5
1 12	7 46.89	+21 56.3	1.399	2.381	1.6	19.2
1 22	7 36.99	+22 42.1	1.407	2.384	3.7	19.4
2 1	7 28.02	+23 21.5	1.443	2.388	8.6	19.7
2 11	7 21.23	+23 51.9	1.503	2.392	13.0	19.9
2 21	7 17.39	+24 12.8	1.585	2.397	16.6	20.2

354552 2004 TD_{21} 1 15.1 62.°60 0.°7/15.3 17

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 13	8 13.49	+18 20.6	1.328	2.168	17.4	21.0
12 23	8 7.31	+18 35.6	1.280	2.190	12.8	20.8
1 2	7 58.18	+19 0.0	1.254	2.213	7.5	20.6
1 12	7 47.30	+19 29.2	1.254	2.235	2.0	20.3
1 22	7 36.21	+19 58.4	1.280	2.258	3.8	20.5
2 1	7 26.50	+20 23.9	1.334	2.281	9.0	20.8
2 11	7 19.41	+20 43.7	1.412	2.304	13.5	21.1
2 21	7 15.57	+20 57.2	1.511	2.326	17.2	21.4

492268 2013 WC_{106} 1 15.1 42.°86 4.°6/16.7 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 13	8 7.89	+ 9 20.6	1.855	2.663	14.6	20.4
12 23	8 2.54	+ 8 46.7	1.797	2.681	11.3	20.2
1 2	7 55.15	+ 8 26.0	1.763	2.700	7.8	20.0
1 12	7 46.57	+ 8 18.9	1.755	2.719	5.0	19.9
1 22	7 37.80	+ 8 24.2	1.775	2.739	5.1	20.0
2 1	7 29.88	+ 8 39.8	1.823	2.759	7.8	20.2
2 11	7 23.70	+ 9 2.3	1.897	2.780	11.0	20.4
2 21	7 19.80	+ 9 28.5	1.994	2.800	13.9	20.6

496367 2013 RH_{42} 1 15.1 94.°22 2.°0/14.3 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 13	8 11.44	+26 23.0	2.068	2.898	12.4	21.3
12 23	8 5.18	+26 40.7	2.002	2.908	9.1	21.1
1 2	7 56.74	+26 58.1	1.962	2.918	5.4	20.9
1 12	7 46.96	+27 11.0	1.950	2.929	2.2	20.7
1 22	7 36.93	+27 16.6	1.967	2.939	3.7	20.9
2 1	7 27.76	+27 13.4	2.014	2.949	7.3	21.1
2 11	7 20.44	+27 1.9	2.088	2.959	10.7	21.3
2 21	7 15.55	+26 43.7	2.184	2.968	13.6	21.5

424132 2007 FZ_5 1 15.1 138.°26 3.°4/13.6 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 13	8 11.91	+29 32.3	2.082	2.912	12.3	21.8
12 23	8 5.68	+30 13.9	2.013	2.917	9.2	21.6
1 2	7 57.12	+30 53.5	1.969	2.922	5.8	21.4
1 12	7 47.08	+31 25.9	1.954	2.927	3.4	21.2
1 22	7 36.66	+31 46.7	1.968	2.932	4.8	21.3
2 1	7 27.07	+31 54.0	2.011	2.936	8.0	21.5
2 11	7 19.37	+31 48.4	2.081	2.940	11.3	21.7
2 21	7 14.21	+31 32.3	2.173	2.944	14.1	21.9

292697 2006 UW_{117} 1 15.1 162.°02 1.°0/15.5 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 13	8 11.03	+17 11.3	2.100	2.917	12.8	22.2
12 23	8 4.85	+17 25.2	2.024	2.922	9.5	22.0
1 2	7 56.57	+17 46.4	1.973	2.927	5.7	21.8
1 12	7 46.95	+18 12.2	1.951	2.931	1.8	21.5
1 22	7 36.96	+18 39.6	1.958	2.935	2.9	21.6
2 1	7 27.67	+19 5.8	1.996	2.938	6.8	21.9
2 11	7 20.04	+19 28.9	2.062	2.941	10.4	22.1
2 21	7 14.70	+19 47.9	2.151	2.943	13.5	22.3

163539 2002 TP_{67} 1 15.1 107.°21 3.°6/13.6 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 13	8 11.63	+31 53.4	2.317	3.142	11.4	20.1
12 23	8 5.23	+32 23.7	2.252	3.152	8.5	19.9
1 2	7 56.74	+32 49.8	2.213	3.161	5.6	19.8
1 12	7 46.97	+33 7.0	2.202	3.171	3.7	19.7
1 22	7 36.96	+33 12.4	2.221	3.180	4.8	19.8
2 1	7 27.77	+33 4.9	2.269	3.189	7.5	19.9
2 11	7 20.34	+32 45.7	2.344	3.198	10.4	20.1
2 21	7 15.24	+32 17.2	2.443	3.206	12.9	20.3

301745 2010 HN_{79} 1 15.1 226.°38 1.°3/14.6 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 13	8 12.82	+22 33.6	1.676	2.511	14.6	21.1
12 23	8 6.85	+23 6.8	1.596	2.505	10.8	20.9
1 2	7 58.06	+23 45.1	1.540	2.499	6.4	20.6
1 12	7 47.36	+24 23.6	1.511	2.493	1.8	20.3
1 22	7 36.02	+24 56.9	1.511	2.486	3.9	20.4
2 1	7 25.50	+25 21.4	1.539	2.479	8.7	20.7
2 11	7 17.14	+25 35.8	1.593	2.472	13.0	20.9
2 21	7 11.77	+25 40.8	1.668	2.464	16.6	21.2

63592 2001 QM_{61} 1 15.1 50.°50 1.°0/14.9 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 13	8 15.14	+23 24.7	1.203	2.054	18.1	18.4
12 23	8 8.89	+23 23.2	1.152	2.069	13.3	18.2
1 2	7 59.26	+23 24.7	1.123	2.084	7.8	17.9
1 12	7 47.60	+23 24.2	1.118	2.100	2.0	17.6
1 22	7 35.71	+23 18.3	1.140	2.117	4.4	17.8
2 1	7 25.41	+23 5.6	1.187	2.134	9.9	18.2
2 11	7 18.11	+22 47.0	1.258	2.151	14.7	18.5
2 21	7 14.44	+22 24.2	1.348	2.168	18.6	18.8

450302 2004 QF_{24} 1 15.1 81.°00 8.°0/17.2 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 13	8 18.89	+ 4 0.6	1.602	2.380	17.8	20.8
12 23	8 10.53	+ 2 33.4	1.558	2.415	14.3	20.7
1 2	7 59.75	+ 1 25.5	1.538	2.450	10.8	20.6
1 12	7 47.67	+ 0 40.2	1.544	2.485	8.4	20.5
1 22	7 35.61	+ 0 18.3	1.577	2.518	8.3	20.6
2 1	7 24.86	+ 0 17.9	1.639	2.551	10.4	20.8
2 11	7 16.44	+ 0 34.2	1.726	2.583	13.3	21.0
2 21	7 10.88	+ 1 1.6	1.834	2.614	15.9	21.3

409438 2005 OA_{16} 1 15.1 79.°17 2.°1/14.6 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 13	8 16.21	+27 29.6	1.774	2.604	14.1	20.5
12 23	8 8.79	+27 27.0	1.718	2.623	10.4	20.3
1 2	7 58.85	+27 21.7	1.686	2.643	6.2	20.1
1 12	7 47.48	+27 10.0	1.682	2.662	2.4	19.9
1 22	7 36.01	+26 49.5	1.708	2.681	4.0	20.1
2 1	7 25.77	+26 20.5	1.763	2.699	8.0	20.4
2 11	7 17.84	+25 44.9	1.844	2.718	11.7	20.6
2 21	7 12.77	+25 5.3	1.948	2.736	14.8	20.9

238325 2003 YN_{173} 1 15.1 342.°83 0.°7/14.8 15

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 13	8 7.26	+22 1.8	1.731	2.572	13.9	21.0
12 23	8 2.63	+22 18.1	1.651	2.564	10.3	20.8
1 2	7 55.52	+22 39.0	1.596	2.556	6.0	20.5
1 12	7 46.75	+23 0.9	1.567	2.549	1.5	20.2
1 22	7 37.47	+23 20.0	1.566	2.543	3.5	20.3
2 1	7 28.95	+23 33.6	1.593	2.537	8.0	20.6
2 11	7 22.36	+23 40.3	1.645	2.532	12.1	20.8
2 21	7 18.44	+23 40.2	1.719	2.528	15.7	21.0

49243 1998 TE_5 1 15.1 146.°54 2.°3/14.1 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 13	8 11.45	+24 52.5	1.753	2.590	14.0	18.9
12 23	8 5.70	+25 39.2	1.682	2.592	10.3	18.7
1 2	7 57.32	+26 29.1	1.635	2.593	6.1	18.4
1 12	7 47.19	+27 16.1	1.615	2.594	2.5	18.2
1 22	7 36.55	+27 54.9	1.624	2.595	4.4	18.3
2 1	7 26.77	+28 21.8	1.661	2.596	8.5	18.6
2 11	7 19.08	+28 36.1	1.724	2.597	12.4	18.8
2 21	7 14.22	+28 39.1	1.808	2.598	15.8	19.0

43953 1997 CB_1 1 15.1 43.°08 3.°4/16.3 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 13	8 10.45	+12 28.4	1.174	2.015	19.2	18.0
12 23	8 5.53	+12 35.7	1.118	2.025	14.5	17.8
1 2	7 57.41	+13 1.7	1.081	2.035	9.3	17.5
1 12	7 47.22	+13 43.5	1.069	2.046	4.3	17.3
1 22	7 36.56	+14 35.8	1.081	2.057	4.9	17.4
2 1	7 27.15	+15 32.2	1.119	2.069	9.9	17.7
2 11	7 20.43	+16 26.7	1.180	2.081	14.8	18.0
2 21	7 17.17	+17 15.4	1.261	2.094	18.9	18.3

451708 2013 CZ_{107} 1 15.1 278.°12 2.°2/14.4 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 13	8 13.05	+25 11.7	1.542	2.383	15.3	21.2
12 23	8 7.30	+25 36.9	1.461	2.373	11.4	20.9
1 2	7 58.46	+26 4.5	1.403	2.362	6.8	20.6
1 12	7 47.50	+26 28.8	1.371	2.352	2.5	20.3
1 22	7 35.82	+26 44.7	1.368	2.341	4.6	20.4
2 1	7 25.06	+26 49.1	1.391	2.331	9.4	20.7
2 11	7 16.69	+26 42.1	1.439	2.320	14.0	20.9
2 21	7 11.59	+26 25.8	1.507	2.310	17.8	21.1

125136 2001 UY_{61} 1 15.1 305.°21 9.°0/11.1 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 13	8 14.94	+40 39.2	1.646	2.476	15.1	19.3
12 23	8 9.28	+42 0.8	1.564	2.453	12.3	19.1
1 2	7 59.95	+43 13.3	1.506	2.431	9.9	18.9
1 12	7 47.91	+44 5.5	1.472	2.410	9.0	18.8
1 22	7 34.83	+44 28.8	1.464	2.388	10.4	18.8
2 1	7 22.72	+44 20.0	1.480	2.367	13.2	18.9
2 11	7 13.42	+43 42.2	1.519	2.346	16.4	19.0
2 21	7 8.03	+42 42.6	1.576	2.325	19.4	19.2

223762 2004 RA_{245} 1 15.1 211.°73 1.°6/14.4 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 13	8 10.38	+24 28.3	1.990	2.822	12.8	21.0
12 23	8 4.63	+24 56.4	1.914	2.821	9.4	20.8
1 2	7 56.58	+25 26.7	1.862	2.820	5.5	20.5
1 12	7 47.01	+25 54.8	1.838	2.819	1.9	20.3
1 22	7 37.01	+26 16.9	1.844	2.817	3.7	20.4
2 1	7 27.77	+26 30.5	1.879	2.816	7.6	20.7
2 11	7 20.33	+26 35.0	1.940	2.814	11.2	20.9
2 21	7 15.39	+26 31.4	2.024	2.813	14.4	21.1

420065 2011 EF_6 1 15.1 338.°25 6.°9/13.4 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 13	8 15.44	+38 3.4	1.605	2.439	15.2	20.3
12 23	8 9.16	+38 31.0	1.532	2.430	12.0	20.1
1 2	7 59.55	+38 47.2	1.482	2.422	8.8	19.9
1 12	7 47.78	+38 44.1	1.457	2.414	7.0	19.7
1 22	7 35.51	+38 16.9	1.459	2.407	8.1	19.8
2 1	7 24.53	+37 25.8	1.487	2.400	11.2	20.0
2 11	7 16.33	+36 15.6	1.538	2.395	14.7	20.2
2 21	7 11.69	+34 53.3	1.610	2.390	17.9	20.4

365231 2009 HK_{104} 1 15.1 146.°57 0.°3/14.9 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 13	8 11.37	+20 18.0	2.325	3.142	11.7	22.0
12 23	8 4.96	+20 51.9	2.253	3.153	8.5	21.8
1 2	7 56.61	+21 30.5	2.208	3.164	5.0	21.6
1 12	7 47.04	+22 10.3	2.193	3.175	1.2	21.4
1 22	7 37.15	+22 47.7	2.208	3.184	2.7	21.5
2 1	7 27.93	+23 19.9	2.255	3.193	6.4	21.8
2 11	7 20.26	+23 45.4	2.329	3.201	9.7	22.0
2 21	7 14.73	+24 4.0	2.428	3.209	12.5	22.2

61192 2000 OU 1 15.1 180.°59 0.°2/15.0 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 13	8 16.18	+22 8.2	1.947	2.767	13.5	20.2
12 23	8 8.82	+22 1.7	1.868	2.769	10.0	20.0
1 2	7 59.01	+21 57.2	1.814	2.770	5.9	19.8
1 12	7 47.63	+21 51.7	1.788	2.770	1.4	19.5
1 22	7 35.86	+21 43.2	1.793	2.770	3.2	19.6
2 1	7 24.97	+21 30.6	1.829	2.769	7.5	19.9
2 11	7 16.07	+21 14.0	1.891	2.767	11.4	20.1
2 21	7 9.85	+20 54.6	1.977	2.764	14.7	20.3

265004 2003 EU_{57} 1 15.1 277.°11 4.°5/12.7 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 13	8 11.17	+29 33.9	1.863	2.699	13.3	20.2
12 23	8 5.74	+30 56.2	1.781	2.687	10.0	19.9
1 2	7 57.53	+32 20.1	1.724	2.675	6.6	19.7
1 12	7 47.34	+33 37.5	1.694	2.663	4.5	19.6
1 22	7 36.36	+34 40.9	1.694	2.651	6.2	19.6
2 1	7 26.02	+35 25.4	1.721	2.639	9.7	19.8
2 11	7 17.68	+35 50.3	1.774	2.626	13.2	20.0
2 21	7 12.26	+35 57.9	1.848	2.614	16.3	20.2

285636 2000 SA 1 15.1 87.°90 0.°8/15.4 17

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 13	8 15.17	+18 8.8	1.599	2.425	15.6	20.9
12 23	8 8.15	+18 21.3	1.549	2.452	11.5	20.7
1 2	7 58.56	+18 41.5	1.522	2.478	6.8	20.5
1 12	7 47.49	+19 5.6	1.523	2.504	1.9	20.2
1 22	7 36.27	+19 29.9	1.552	2.529	3.4	20.4
2 1	7 26.26	+19 51.3	1.610	2.554	8.0	20.7
2 11	7 18.55	+20 8.2	1.694	2.578	12.1	21.0
2 21	7 13.74	+20 20.1	1.801	2.602	15.4	21.3

493014 2014 SU_{214} 1 15.1 136.°11 1.°4/14.4 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 13	8 10.39	+22 50.7	2.029	2.858	12.7	21.5
12 23	8 4.58	+23 34.6	1.958	2.864	9.3	21.3
1 2	7 56.54	+24 22.7	1.912	2.870	5.4	21.0
1 12	7 47.05	+25 10.0	1.894	2.875	1.7	20.8
1 22	7 37.15	+25 52.1	1.907	2.880	3.5	20.9
2 1	7 27.99	+26 25.6	1.948	2.885	7.4	21.2
2 11	7 20.59	+26 49.2	2.017	2.890	10.9	21.4
2 21	7 15.61	+27 3.2	2.109	2.894	14.0	21.6

288735 2004 RE_{47} 1 15.1 148.°41 1.°1/14.7 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 13	8 15.27	+23 2.9	1.873	2.697	13.7	21.8
12 23	8 8.21	+23 26.5	1.804	2.708	10.1	21.6
1 2	7 58.67	+23 52.9	1.760	2.717	5.9	21.4
1 12	7 47.56	+24 17.8	1.745	2.726	1.7	21.1
1 22	7 36.09	+24 37.1	1.759	2.734	3.5	21.2
2 1	7 25.56	+24 48.6	1.804	2.742	7.8	21.5
2 11	7 17.09	+24 51.9	1.875	2.748	11.6	21.8
2 21	7 11.36	+24 48.1	1.969	2.754	14.8	22.0

447018 2004 KH_{11} 1 15.1 174.°13 1.°0/14.7 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 13	8 13.74	+20 44.1	1.746	2.575	14.4	21.5
12 23	8 7.39	+21 35.8	1.672	2.577	10.6	21.2
1 2	7 58.36	+22 35.1	1.622	2.580	6.2	21.0
1 12	7 47.52	+23 36.2	1.600	2.581	1.6	20.7
1 22	7 36.10	+24 32.9	1.607	2.582	3.7	20.8
2 1	7 25.50	+25 20.6	1.644	2.583	8.3	21.1
2 11	7 16.98	+25 57.1	1.707	2.582	12.4	21.4
2 21	7 11.33	+26 22.3	1.792	2.581	15.9	21.6

175328 2005 NL_{16} 1 15.1 222.°71 0.°8/14.6 17

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 13	8 7.04	+22 35.2	2.848	3.668	9.7	21.0
12 23	8 1.67	+23 6.2	2.758	3.660	7.1	20.8
1 2	7 54.67	+23 40.1	2.695	3.651	4.1	20.6
1 12	7 46.60	+24 14.0	2.661	3.643	1.2	20.4
1 22	7 38.16	+24 45.0	2.659	3.633	2.6	20.5
2 1	7 30.15	+25 11.0	2.688	3.624	5.6	20.7
2 11	7 23.30	+25 30.8	2.745	3.614	8.5	20.9
2 21	7 18.16	+25 44.2	2.828	3.604	11.0	21.0

491014 2011 KC_{46} 1 15.1 171.°48 0.°6/15.4 17

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 13	8 7.86	+18 38.8	2.633	3.448	10.5	21.8
12 23	8 2.24	+18 45.1	2.552	3.450	7.8	21.6
1 2	7 54.97	+18 55.9	2.498	3.452	4.6	21.4
1 12	7 46.66	+19 9.3	2.473	3.454	1.3	21.1
1 22	7 38.07	+19 23.3	2.478	3.455	2.4	21.2
2 1	7 30.02	+19 36.1	2.515	3.456	5.7	21.4
2 11	7 23.24	+19 46.7	2.580	3.457	8.7	21.6
2 21	7 18.26	+19 54.3	2.669	3.457	11.3	21.8

57366 2001 RA_{35} 1 15.1 45.°57 5.°0/16.8 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 13	8 10.20	+ 9 34.8	1.269	2.098	18.8	19.1
12 23	8 5.17	+ 9 22.5	1.210	2.107	14.5	18.8
1 2	7 57.16	+ 9 30.0	1.171	2.116	9.8	18.6
1 12	7 47.23	+ 9 56.6	1.155	2.126	5.8	18.4
1 22	7 36.85	+10 38.8	1.166	2.137	5.8	18.4
2 1	7 27.60	+11 31.2	1.202	2.147	9.9	18.7
2 11	7 20.84	+12 27.4	1.261	2.158	14.3	19.0
2 21	7 17.30	+13 22.2	1.341	2.170	18.2	19.3

116214 2003 XA_{37} 1 15.1 227.°87 0.°9/14.8 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 13	8 10.52	+24 11.6	2.352	3.175	11.3	19.8
12 23	8 4.40	+24 10.5	2.268	3.171	8.3	19.6
1 2	7 56.32	+24 9.9	2.210	3.167	4.9	19.3
1 12	7 47.00	+24 7.1	2.181	3.162	1.4	19.1
1 22	7 37.34	+24 0.3	2.183	3.158	2.9	19.2
2 1	7 28.33	+23 48.4	2.214	3.153	6.5	19.4
2 11	7 20.87	+23 31.6	2.274	3.148	9.8	19.6
2 21	7 15.56	+23 10.8	2.358	3.143	12.7	19.8

30133 2000 FA_{48} 1 15.1 118.°81 1.°7/15.9 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 13	8 13.21	+13 42.6	1.711	2.527	15.2	19.0
12 23	8 6.78	+14 23.2	1.648	2.544	11.4	18.8
1 2	7 57.86	+15 17.0	1.609	2.561	7.0	18.6
1 12	7 47.38	+16 19.9	1.598	2.577	2.6	18.4
1 22	7 36.53	+17 26.5	1.616	2.592	3.4	18.4
2 1	7 26.61	+18 31.2	1.664	2.607	7.8	18.7
2 11	7 18.74	+19 30.0	1.738	2.621	11.8	19.0
2 21	7 13.58	+20 20.7	1.835	2.635	15.2	19.3

163144 2002 CO_{80} 1 15.1 255.°92 1.°9/15.9 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 13	8 10.18	+14 16.1	1.615	2.441	15.5	20.1
12 23	8 4.95	+14 40.7	1.533	2.434	11.7	19.9
1 2	7 57.02	+15 19.1	1.474	2.427	7.3	19.6
1 12	7 47.23	+16 8.5	1.441	2.420	2.8	19.3
1 22	7 36.77	+17 4.2	1.437	2.413	3.7	19.3
2 1	7 27.04	+18 0.8	1.460	2.406	8.4	19.6
2 11	7 19.32	+18 53.9	1.509	2.399	12.9	19.9
2 21	7 14.45	+19 40.6	1.580	2.391	16.7	20.1

499132 2009 PZ_{19} 1 15.1 120.°27 0.°4/15.4 17

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 13	8 3.40	+18 27.9	3.929	4.737	7.5	22.9
12 23	7 58.51	+18 41.2	3.859	4.753	5.5	22.8
1 2	7 52.59	+18 57.5	3.816	4.769	3.2	22.6
1 12	7 46.08	+19 15.5	3.804	4.785	0.9	22.4
1 22	7 39.43	+19 33.9	3.825	4.801	1.6	22.5
2 1	7 33.14	+19 51.3	3.877	4.817	3.9	22.7
2 11	7 27.67	+20 6.8	3.959	4.832	6.0	22.9
2 21	7 23.36	+20 19.8	4.067	4.846	7.9	23.0

80843 2000 DO_{17} 1 15.1 32.°54 11.°0/21.7 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 13	8 6.84	− 8 51.7	1.631	2.366	19.2	19.2
12 23	8 2.26	− 9 4.1	1.560	2.371	16.7	19.0
1 2	7 55.31	− 8 43.6	1.508	2.376	14.0	18.9
1 12	7 46.79	− 7 47.0	1.477	2.381	11.9	18.8
1 22	7 37.81	− 6 15.7	1.470	2.387	11.0	18.7
2 1	7 29.59	− 4 15.8	1.489	2.393	12.0	18.8
2 11	7 23.23	− 1 57.4	1.533	2.399	14.2	18.9
2 21	7 19.45	+ 0 28.2	1.599	2.405	16.8	19.1

483560 2004 BV_{1} 1 15.1 127.°68 3.°8/13.9 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 13	8 36.19	+21 9.1	0.959	1.791	23.2	21.5
12 23	8 25.41	+23 23.9	0.917	1.824	16.9	21.2
1 2	8 9.50	+25 50.6	0.896	1.853	10.0	20.9
1 12	7 50.24	+28 9.4	0.901	1.880	4.0	20.7
1 22	7 30.45	+30 1.8	0.935	1.905	7.2	21.0
2 1	7 13.19	+31 19.0	0.995	1.926	13.4	21.4
2 11	7 0.66	+32 3.8	1.079	1.945	18.8	21.8
2 21	6 53.60	+32 24.1	1.180	1.961	23.0	22.1

251107 2006 SA_{295} 1 15.1 37.°86 2.°7/16.1 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 13	8 9.58	+13 57.9	1.587	2.414	15.7	20.6
12 23	8 4.34	+13 54.6	1.518	2.418	11.9	20.3
1 2	7 56.54	+14 3.5	1.471	2.423	7.5	20.1
1 12	7 47.09	+14 22.7	1.450	2.427	3.4	19.9
1 22	7 37.20	+14 49.4	1.457	2.432	4.0	19.9
2 1	7 28.21	+15 19.9	1.491	2.437	8.3	20.2
2 11	7 21.27	+15 50.9	1.550	2.442	12.5	20.4
2 21	7 17.10	+16 19.8	1.632	2.447	16.1	20.7

195755 2002 PB_{105} 1 15.1 326.°25 4.°7/17.1 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 13	8 6.58	+ 7 12.8	2.099	2.894	13.5	19.9
12 23	8 1.65	+ 6 54.3	2.017	2.892	10.7	19.7
1 2	7 54.78	+ 6 49.6	1.959	2.890	7.6	19.5
1 12	7 46.66	+ 6 59.1	1.928	2.888	5.2	19.4
1 22	7 38.15	+ 7 21.5	1.925	2.886	5.1	19.4
2 1	7 30.22	+ 7 54.4	1.950	2.884	7.6	19.5
2 11	7 23.75	+ 8 34.3	2.003	2.883	10.7	19.7
2 21	7 19.36	+ 9 17.4	2.078	2.881	13.5	19.9

428957 2008 YE_{70} 1 15.1 298.°16 1.°5/14.6 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 13	8 10.04	+25 47.4	2.247	3.075	11.6	20.8
12 23	8 4.17	+25 51.0	2.165	3.071	8.6	20.6
1 2	7 56.24	+25 54.2	2.109	3.066	5.1	20.4
1 12	7 47.01	+25 54.0	2.082	3.062	1.8	20.1
1 22	7 37.42	+25 48.1	2.084	3.058	3.3	20.2
2 1	7 28.54	+25 35.4	2.116	3.053	6.8	20.5
2 11	7 21.28	+25 16.4	2.176	3.049	10.2	20.7
2 21	7 16.26	+24 52.2	2.259	3.045	13.1	20.9

338076 2002 PW_{61} 1 15.1 114.°89 3.°1/16.2 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 13	8 14.81	+12 32.3	1.564	2.379	16.4	21.7
12 23	8 8.04	+12 34.5	1.504	2.398	12.4	21.5
1 2	7 58.63	+12 50.5	1.467	2.415	7.9	21.3
1 12	7 47.59	+13 17.9	1.457	2.433	3.8	21.1
1 22	7 36.24	+13 53.2	1.475	2.449	4.3	21.2
2 1	7 25.98	+14 32.2	1.522	2.465	8.5	21.5
2 11	7 17.98	+15 11.1	1.595	2.480	12.6	21.7
2 21	7 12.91	+15 47.2	1.689	2.494	16.1	22.0

466500 2013 WQ_{98} 1 15.1 209.°55 4.°9/12.1 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 13	8 10.09	+33 58.8	2.393	3.218	11.1	20.6
12 23	8 4.40	+35 14.1	2.320	3.217	8.5	20.5
1 2	7 56.50	+36 26.0	2.275	3.216	6.1	20.3
1 12	7 47.10	+37 28.1	2.258	3.214	4.9	20.2
1 22	7 37.19	+38 15.3	2.271	3.213	6.0	20.3
2 1	7 27.90	+38 44.9	2.312	3.212	8.4	20.4
2 11	7 20.25	+38 57.3	2.379	3.210	11.0	20.6
2 21	7 14.95	+38 54.6	2.468	3.209	13.4	20.8

456934 2007 YG_{43} 1 15.1 32.°20 0.°4/14.9 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 13	8 8.63	+15 44.5	1.240	2.087	17.9	20.8
12 23	8 4.24	+17 26.5	1.187	2.101	13.2	20.6
1 2	7 56.73	+19 26.8	1.156	2.117	7.7	20.3
1 12	7 47.18	+21 35.5	1.151	2.133	1.8	20.0
1 22	7 37.09	+23 40.7	1.173	2.150	4.2	20.2
2 1	7 28.13	+25 31.7	1.222	2.168	9.7	20.5
2 11	7 21.74	+27 2.5	1.295	2.186	14.4	20.9
2 21	7 18.72	+28 11.9	1.388	2.205	18.3	21.2

335866 2007 RX_{54} 1 15.1 70.°01 0.°4/15.3 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 13	8 9.12	+19 46.3	2.148	2.972	12.2	21.1
12 23	8 3.37	+19 49.7	2.085	2.988	9.0	20.9
1 2	7 55.69	+19 57.6	2.047	3.003	5.3	20.7
1 12	7 46.86	+20 7.6	2.037	3.018	1.4	20.4
1 22	7 37.83	+20 17.3	2.057	3.034	2.7	20.6
2 1	7 29.57	+20 24.9	2.107	3.049	6.5	20.8
2 11	7 22.94	+20 29.6	2.184	3.065	9.8	21.1
2 21	7 18.46	+20 31.0	2.284	3.080	12.7	21.3

155773 2000 ST_{240} 1 15.1 23.°93 18.°6/15.1 16

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 13	8 40.58	+55 49.4	0.933	1.743	25.3	19.0
12 23	8 30.93	+56 51.2	0.892	1.747	22.5	18.8
1 2	8 13.32	+57 12.2	0.867	1.751	20.0	18.7
1 12	7 51.08	+56 30.5	0.858	1.757	18.7	18.6
1 22	7 29.34	+54 38.0	0.868	1.763	19.0	18.7
2 1	7 12.69	+51 45.5	0.898	1.771	20.9	18.8
2 11	7 3.21	+48 17.0	0.946	1.779	23.6	19.0
2 21	7 0.64	+44 36.0	1.011	1.787	26.3	19.3

170308 2003 SW_{35} 1 15.1 151.°00 1.°0/14.7 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 13	8 13.15	+22 0.1	1.988	2.812	13.1	21.0
12 23	8 6.61	+22 38.9	1.917	2.821	9.6	20.8
1 2	7 57.75	+23 22.2	1.872	2.829	5.6	20.6
1 12	7 47.39	+24 5.2	1.856	2.837	1.6	20.3
1 22	7 36.64	+24 43.5	1.869	2.844	3.4	20.5
2 1	7 26.68	+25 13.9	1.913	2.850	7.4	20.7
2 11	7 18.59	+25 35.1	1.984	2.856	11.1	21.0
2 21	7 13.02	+25 47.6	2.077	2.861	14.2	21.2

170567 2003 WM_{174} 1 15.1 178.°04 0.°6/14.9 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 13	8 12.64	+21 8.7	2.042	2.865	12.8	21.6
12 23	8 6.23	+21 37.8	1.964	2.867	9.4	21.4
1 2	7 57.54	+22 11.6	1.911	2.868	5.5	21.1
1 12	7 47.35	+22 46.4	1.887	2.869	1.4	20.9
1 22	7 36.71	+23 18.2	1.893	2.869	3.1	21.0
2 1	7 26.80	+23 43.9	1.930	2.869	7.3	21.2
2 11	7 18.65	+24 2.2	1.993	2.868	11.0	21.5
2 21	7 12.97	+24 13.3	2.080	2.866	14.1	21.7

393886 2005 TO_{78} 1 15.1 53.°74 4.°1/16.5 17

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 13	8 11.37	+11 19.1	1.215	2.050	19.1	20.9
12 23	8 6.06	+11 16.7	1.163	2.065	14.5	20.6
1 2	7 57.68	+11 33.1	1.130	2.080	9.5	20.4
1 12	7 47.39	+12 6.2	1.122	2.096	4.9	20.2
1 22	7 36.73	+12 51.5	1.139	2.113	5.2	20.2
2 1	7 27.35	+13 43.2	1.181	2.129	9.7	20.5
2 11	7 20.60	+14 35.5	1.248	2.146	14.3	20.8
2 21	7 17.18	+15 23.9	1.334	2.163	18.3	21.1

128000 2003 HQ_{51} 1 15.1 48.°12 6.°4/17.2 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 13	8 10.90	+ 7 41.5	1.228	2.052	19.5	18.6
12 23	8 5.60	+ 7 7.6	1.178	2.070	15.3	18.4
1 2	7 57.34	+ 6 55.2	1.148	2.088	10.8	18.2
1 12	7 47.29	+ 7 4.9	1.142	2.106	7.1	18.0
1 22	7 36.96	+ 7 34.3	1.160	2.126	7.0	18.1
2 1	7 27.91	+ 8 18.4	1.204	2.145	10.4	18.3
2 11	7 21.40	+ 9 10.5	1.271	2.165	14.4	18.6
2 21	7 18.11	+10 4.5	1.358	2.185	18.1	18.9

455575 2004 RG_{114} 1 15.1 121.°27 7.°7/12.3 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 13	8 22.84	+46 34.5	2.444	3.228	12.2	21.4
12 23	8 13.61	+47 20.1	2.394	3.246	10.1	21.3
1 2	8 1.71	+47 50.7	2.370	3.265	8.4	21.2
1 12	7 48.30	+47 59.7	2.372	3.282	7.7	21.2
1 22	7 34.80	+47 44.1	2.403	3.299	8.3	21.3
2 1	7 22.65	+47 4.8	2.462	3.316	9.9	21.4
2 11	7 12.97	+46 6.3	2.546	3.331	11.8	21.6
2 21	7 6.35	+44 54.8	2.652	3.347	13.6	21.7

448777 2011 SW_{112} 1 15.1 66.°48 1.°9/14.5 17

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 13	8 14.38	+23 38.7	1.408	2.251	16.4	21.0
12 23	8 8.04	+24 17.0	1.360	2.272	12.0	20.8
1 2	7 58.72	+24 58.7	1.334	2.294	7.0	20.5
1 12	7 47.62	+25 37.3	1.335	2.316	2.3	20.3
1 22	7 36.28	+26 7.3	1.364	2.338	4.4	20.5
2 1	7 26.31	+26 25.7	1.419	2.360	9.2	20.8
2 11	7 18.95	+26 32.4	1.499	2.382	13.4	21.1
2 21	7 14.86	+26 29.2	1.600	2.404	16.9	21.4

228737 2002 TB_{211} 1 15.1 101.°14 3.°5/13.9 17

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 13	8 17.53	+27 18.1	1.459	2.298	16.2	20.2
12 23	8 10.44	+28 9.4	1.406	2.316	11.9	20.0
1 2	8 0.19	+29 0.5	1.377	2.334	7.3	19.8
1 12	7 47.99	+29 43.4	1.375	2.351	3.7	19.6
1 22	7 35.45	+30 11.8	1.400	2.368	5.5	19.7
2 1	7 24.30	+30 23.3	1.452	2.385	9.8	20.0
2 11	7 15.91	+30 19.3	1.530	2.401	13.9	20.3
2 21	7 10.97	+30 3.3	1.627	2.416	17.3	20.6

459288 2012 GK_7 1 15.1 271.°50 7.°4/11.7 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 13	8 15.43	+39 26.8	1.970	2.790	13.3	21.2
12 23	8 9.03	+40 36.7	1.888	2.774	10.7	21.0
1 2	7 59.55	+41 38.6	1.831	2.758	8.4	20.8
1 12	7 47.90	+42 23.6	1.800	2.741	7.4	20.7
1 22	7 35.45	+42 45.2	1.797	2.724	8.5	20.7
2 1	7 23.85	+42 41.0	1.820	2.707	11.1	20.9
2 11	7 14.58	+42 13.4	1.868	2.690	14.0	21.0
2 21	7 8.55	+41 27.8	1.935	2.673	16.6	21.2

328663 2009 SR_{275} 1 15.1 163.°55 3.°6/13.6 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 13	8 11.99	+29 40.9	2.007	2.838	12.7	20.9
12 23	8 5.93	+30 27.5	1.935	2.840	9.5	20.7
1 2	7 57.43	+31 12.4	1.889	2.841	6.0	20.5
1 12	7 47.34	+31 49.8	1.870	2.843	3.7	20.4
1 22	7 36.80	+32 15.0	1.881	2.844	5.1	20.5
2 1	7 27.07	+32 25.7	1.920	2.845	8.4	20.7
2 11	7 19.29	+32 22.4	1.986	2.845	11.7	20.9
2 21	7 14.15	+32 7.6	2.073	2.846	14.6	21.1

444323 2005 WX_{25} 1 15.1 90.°08 4.°8/13.4 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 13	8 16.54	+29 33.0	1.429	2.272	16.3	21.1
12 23	8 9.91	+30 41.3	1.377	2.287	12.1	20.9
1 2	7 59.98	+31 47.6	1.348	2.302	7.8	20.7
1 12	7 47.96	+32 42.6	1.346	2.317	4.9	20.6
1 22	7 35.52	+33 19.2	1.370	2.332	6.6	20.7
2 1	7 24.47	+33 34.3	1.421	2.347	10.6	21.0
2 11	7 16.24	+33 30.1	1.496	2.361	14.5	21.3
2 21	7 11.59	+33 11.0	1.591	2.375	17.8	21.5

255934 2006 SU_{408} 1 15.1 122.°77 1.°8/16.1 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 13	8 11.24	+12 53.4	2.235	3.037	12.6	21.0
12 23	8 4.85	+13 30.4	2.169	3.057	9.4	20.8
1 2	7 56.56	+14 18.1	2.129	3.077	5.9	20.6
1 12	7 47.10	+15 13.4	2.118	3.096	2.4	20.5
1 22	7 37.37	+16 12.4	2.139	3.114	2.9	20.5
2 1	7 28.34	+17 11.1	2.190	3.131	6.4	20.8
2 11	7 20.86	+18 6.2	2.270	3.148	9.7	21.0
2 21	7 15.49	+18 55.6	2.375	3.164	12.5	21.2

367202 2007 CZ_4 1 15.1 95.°52 0.°9/14.8 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 13	8 11.75	+23 5.2	1.884	2.715	13.4	21.0
12 23	8 5.63	+23 18.0	1.816	2.723	9.8	20.8
1 2	7 57.17	+23 33.4	1.773	2.731	5.8	20.6
1 12	7 47.26	+23 47.6	1.758	2.740	1.6	20.3
1 22	7 37.03	+23 57.4	1.772	2.748	3.3	20.5
2 1	7 27.69	+24 1.1	1.815	2.756	7.5	20.7
2 11	7 20.30	+23 58.2	1.885	2.764	11.3	21.0
2 21	7 15.48	+23 49.6	1.977	2.772	14.4	21.2

384794 2012 QD_{21} 1 15.1 48.°77 0.°2/15.1 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 13	8 9.32	+21 57.8	2.154	2.981	12.1	20.6
12 23	8 3.59	+21 53.7	2.084	2.988	8.9	20.4
1 2	7 55.86	+21 52.0	2.038	2.996	5.2	20.2
1 12	7 46.93	+21 50.5	2.021	3.003	1.2	19.9
1 22	7 37.75	+21 47.0	2.034	3.010	2.8	20.0
2 1	7 29.32	+21 40.6	2.076	3.018	6.6	20.3
2 11	7 22.53	+21 30.8	2.145	3.026	10.0	20.5
2 21	7 17.95	+21 18.1	2.238	3.033	12.9	20.7

334077 2001 QN_{36} 1 15.1 119.°12 4.°3/13.8 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 13	8 16.64	+36 25.3	2.533	3.343	11.0	20.9
12 23	8 8.71	+36 33.1	2.467	3.354	8.5	20.8
1 2	7 58.74	+36 32.4	2.428	3.366	5.9	20.6
1 12	7 47.60	+36 19.4	2.417	3.377	4.3	20.5
1 22	7 36.37	+35 52.2	2.438	3.388	5.1	20.6
2 1	7 26.12	+35 11.1	2.489	3.399	7.5	20.8
2 11	7 17.73	+34 19.0	2.568	3.409	10.0	21.0
2 21	7 11.74	+33 19.6	2.671	3.419	12.3	21.1

54140 2000 HB_{37} 1 15.1 97.°32 2.°0/16.2 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 13	8 9.77	+12 8.5	1.865	2.677	14.3	18.2
12 23	8 4.17	+12 58.5	1.797	2.690	10.7	18.0
1 2	7 56.34	+14 2.9	1.754	2.704	6.7	17.8
1 12	7 47.09	+15 17.8	1.739	2.717	2.7	17.6
1 22	7 37.44	+16 37.8	1.753	2.729	3.3	17.6
2 1	7 28.55	+17 57.0	1.798	2.742	7.3	17.9
2 11	7 21.43	+19 10.6	1.870	2.754	11.0	18.1
2 21	7 16.74	+20 15.7	1.965	2.766	14.3	18.4

450298 2004 PG_{55} 1 15.1 139.°51 2.°6/14.2 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 13	8 17.25	+27 16.5	1.942	2.765	13.4	22.2
12 23	8 9.64	+27 48.5	1.878	2.780	9.9	22.0
1 2	7 59.52	+28 19.4	1.839	2.794	6.0	21.8
1 12	7 47.85	+28 44.0	1.830	2.807	2.8	21.6
1 22	7 35.89	+28 58.1	1.850	2.819	4.3	21.8
2 1	7 24.95	+29 0.1	1.900	2.831	8.0	22.0
2 11	7 16.15	+28 50.9	1.978	2.841	11.6	22.3
2 21	7 10.15	+28 33.1	2.078	2.851	14.5	22.5

9095 1995 WT_2 1 15.1 108.°16 0.°5/15.3 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 13	8 16.00	+19 15.2	1.557	2.385	15.9	18.1
12 23	8 8.99	+19 24.1	1.499	2.403	11.7	17.9
1 2	7 59.22	+19 39.8	1.464	2.421	6.9	17.7
1 12	7 47.78	+19 58.5	1.457	2.438	1.8	17.4
1 22	7 36.07	+20 16.4	1.478	2.455	3.5	17.5
2 1	7 25.56	+20 30.8	1.527	2.471	8.4	17.9
2 11	7 17.44	+20 40.5	1.603	2.487	12.6	18.2
2 21	7 12.36	+20 45.4	1.700	2.502	16.1	18.4

312423 2008 GV_{60} 1 15.1 340.°50 8.°1/18.4 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 13	8 5.60	+ 1 50.0	1.490	2.288	18.0	20.1
12 23	8 1.66	+ 1 24.6	1.412	2.280	14.8	19.9
1 2	7 55.15	+ 1 23.5	1.353	2.273	11.4	19.6
1 12	7 46.86	+ 1 49.3	1.318	2.266	8.7	19.5
1 22	7 37.94	+ 2 41.0	1.307	2.260	8.3	19.4
2 1	7 29.73	+ 3 53.9	1.322	2.254	10.6	19.5
2 11	7 23.47	+ 5 20.5	1.360	2.249	14.1	19.7
2 21	7 19.97	+ 6 52.3	1.420	2.246	17.5	19.9

196997 2003 UA_{90} 1 15.1 190.°34 3.°8/17.1 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 13	8 6.99	+ 7 29.7	2.485	3.271	11.9	20.8
12 23	8 1.71	+ 7 29.6	2.399	3.270	9.4	20.6
1 2	7 54.75	+ 7 41.9	2.338	3.269	6.6	20.4
1 12	7 46.71	+ 8 6.1	2.305	3.267	4.2	20.3
1 22	7 38.32	+ 8 40.5	2.302	3.265	4.2	20.3
2 1	7 30.41	+ 9 22.6	2.329	3.263	6.5	20.4
2 11	7 23.73	+10 9.1	2.384	3.260	9.3	20.6
2 21	7 18.86	+10 56.8	2.463	3.257	11.9	20.7

129478 1993 TU_{27} 1 15.1 78.°72 0.°3/15.3 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 13	8 10.01	+18 54.1	2.071	2.893	12.7	20.5
12 23	8 4.06	+19 16.4	2.014	2.916	9.3	20.4
1 2	7 56.13	+19 44.5	1.982	2.939	5.4	20.2
1 12	7 47.02	+20 15.2	1.979	2.961	1.4	19.9
1 22	7 37.73	+20 45.1	2.006	2.983	2.8	20.1
2 1	7 29.26	+21 11.6	2.063	3.005	6.6	20.4
2 11	7 22.48	+21 33.1	2.147	3.027	10.0	20.6
2 21	7 17.95	+21 49.1	2.254	3.049	12.9	20.8

240826 2006 BW_{19} 1 15.1 311.°36 3.°1/16.3 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 13	8 8.46	+12 10.0	1.356	2.190	17.5	20.1
12 23	8 4.17	+12 27.3	1.273	2.177	13.4	19.8
1 2	7 56.83	+13 3.4	1.212	2.164	8.7	19.5
1 12	7 47.31	+13 56.1	1.175	2.152	4.0	19.2
1 22	7 36.93	+15 0.6	1.164	2.140	4.6	19.2
2 1	7 27.29	+16 10.4	1.179	2.128	9.6	19.4
2 11	7 19.92	+17 18.9	1.218	2.117	14.6	19.7
2 21	7 15.80	+18 21.3	1.278	2.107	18.9	19.9

166316 2002 JX_{51} 1 15.1 206.°22 0.°1/15.1 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 13	8 12.54	+20 22.3	2.014	2.836	13.0	21.1
12 23	8 6.26	+20 41.1	1.929	2.831	9.6	20.9
1 2	7 57.63	+21 5.1	1.869	2.826	5.7	20.7
1 12	7 47.44	+21 31.0	1.838	2.820	1.4	20.4
1 22	7 36.74	+21 55.2	1.837	2.813	3.1	20.5
2 1	7 26.71	+22 15.0	1.865	2.806	7.3	20.7
2 11	7 18.45	+22 29.1	1.921	2.798	11.2	20.9
2 21	7 12.67	+22 37.2	2.000	2.790	14.5	21.1

381624 2008 XV_{49} 1 15.1 7.°80 2.°4/16.5 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 13	8 5.31	+10 45.2	1.892	2.708	14.0	19.9
12 23	8 0.99	+11 35.7	1.815	2.709	10.6	19.7
1 2	7 54.54	+12 42.6	1.763	2.711	6.8	19.5
1 12	7 46.69	+14 2.6	1.737	2.713	3.1	19.3
1 22	7 38.38	+15 30.3	1.741	2.716	3.4	19.3
2 1	7 30.68	+16 59.6	1.774	2.720	7.2	19.5
2 11	7 24.58	+18 24.9	1.834	2.724	10.9	19.8
2 21	7 20.75	+19 42.2	1.918	2.729	14.2	20.0

333614 2007 RN_{247} 1 15.1 114.°12 0.°3/15.3 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 13	8 8.29	+18 55.9	2.367	3.186	11.4	21.5
12 23	8 2.71	+19 16.2	2.296	3.197	8.4	21.3
1 2	7 55.34	+19 41.7	2.251	3.207	4.9	21.1
1 12	7 46.85	+20 9.9	2.235	3.217	1.3	20.9
1 22	7 38.09	+20 37.8	2.250	3.226	2.5	21.0
2 1	7 29.96	+21 3.2	2.294	3.236	6.1	21.2
2 11	7 23.27	+21 24.3	2.367	3.245	9.3	21.4
2 21	7 18.55	+21 40.6	2.464	3.254	12.0	21.6

267509 2002 NH_{12} 1 15.1 199.°74 0.°4/15.3 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 13	8 15.61	+19 33.8	1.629	2.456	15.3	21.1
12 23	8 8.94	+19 39.1	1.550	2.454	11.4	20.8
1 2	7 59.38	+19 50.8	1.494	2.450	6.8	20.5
1 12	7 47.90	+20 5.4	1.465	2.446	1.8	20.2
1 22	7 35.81	+20 19.5	1.465	2.442	3.5	20.3
2 1	7 24.63	+20 30.3	1.493	2.436	8.6	20.6
2 11	7 15.70	+20 36.5	1.548	2.430	13.0	20.8
2 21	7 9.83	+20 38.2	1.624	2.424	16.8	21.1

83463 2001 SP_{69} 1 15.1 198.°38 5.°6/17.7 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 13	8 8.39	+ 3 34.2	2.241	3.013	13.5	19.7
12 23	8 2.91	+ 3 17.3	2.155	3.011	10.9	19.5
1 2	7 55.54	+ 3 16.1	2.092	3.008	8.2	19.4
1 12	7 46.93	+ 3 31.3	2.056	3.004	6.0	19.2
1 22	7 37.92	+ 4 2.0	2.049	3.001	5.8	19.2
2 1	7 29.43	+ 4 45.5	2.071	2.996	7.8	19.3
2 11	7 22.32	+ 5 37.9	2.121	2.991	10.6	19.5
2 21	7 17.21	+ 6 34.8	2.194	2.986	13.3	19.7

28040 1998 FF_{80} 1 15.1 114.°89 0.°1/15.2 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 13	8 7.11	+19 14.7	2.585	3.403	10.6	19.4
12 23	8 1.75	+19 40.9	2.513	3.413	7.8	19.2
1 2	7 54.74	+20 12.1	2.468	3.423	4.5	19.0
1 12	7 46.72	+20 45.4	2.451	3.433	1.1	18.8
1 22	7 38.43	+21 18.1	2.466	3.443	2.4	18.9
2 1	7 30.70	+21 47.8	2.511	3.452	5.7	19.1
2 11	7 24.27	+22 12.9	2.585	3.462	8.7	19.4
2 21	7 19.64	+22 32.7	2.683	3.471	11.2	19.5

99970 1981 DB_2 1 15.1 352.°26 0.°6/15.2 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 13	8 8.82	+21 10.3	1.302	2.155	16.9	18.2
12 23	8 4.42	+20 46.3	1.230	2.147	12.6	18.0
1 2	7 56.90	+20 26.5	1.180	2.141	7.5	17.7
1 12	7 47.31	+20 8.5	1.154	2.136	2.0	17.3
1 22	7 37.14	+19 50.5	1.153	2.132	3.9	17.4
2 1	7 28.06	+19 31.4	1.179	2.129	9.4	17.7
2 11	7 21.50	+19 11.1	1.228	2.128	14.4	18.0
2 21	7 18.26	+18 49.8	1.296	2.128	18.5	18.3

171661 2000 JZ_{17} 1 15.1 156.°61 6.°6/19.2 17

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 13	8 6.15	− 6 30.7	3.411	4.107	10.7	21.7
12 23	8 0.66	− 7 12.0	3.332	4.116	9.2	21.6
1 2	7 53.96	− 7 38.9	3.278	4.124	7.8	21.5
1 12	7 46.52	− 7 50.1	3.250	4.132	6.8	21.4
1 22	7 38.88	− 7 45.1	3.250	4.139	6.6	21.4
2 1	7 31.60	− 7 25.0	3.279	4.145	7.3	21.5
2 11	7 25.24	− 6 52.4	3.335	4.152	8.5	21.6
2 21	7 20.19	− 6 10.5	3.415	4.157	9.9	21.7

107748 2001 FQ_{35} 1 15.1 325.°19 2.°7/16.1 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 13	8 8.86	+13 31.3	1.508	2.338	16.2	19.6
12 23	8 4.11	+13 38.9	1.430	2.332	12.3	19.4
1 2	7 56.62	+14 0.7	1.374	2.326	7.8	19.1
1 12	7 47.25	+14 34.8	1.343	2.321	3.5	18.8
1 22	7 37.25	+15 17.3	1.340	2.316	4.1	18.8
2 1	7 28.04	+16 3.7	1.363	2.311	8.7	19.1
2 11	7 20.93	+16 49.4	1.412	2.306	13.3	19.3
2 21	7 16.75	+17 31.1	1.481	2.302	17.2	19.6

152944 2000 FD_{25} 1 15.1 205.°57 10.°5/20.2 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 13	8 10.18	− 8 5.6	1.906	2.625	17.3	20.2
12 23	8 4.57	− 8 41.1	1.822	2.621	15.1	20.0
1 2	7 56.69	− 8 50.0	1.757	2.616	12.8	19.9
1 12	7 47.26	− 8 28.5	1.715	2.611	11.0	19.7
1 22	7 37.26	− 7 36.1	1.699	2.604	10.5	19.7
2 1	7 27.85	− 6 15.8	1.709	2.597	11.6	19.7
2 11	7 20.08	− 4 34.8	1.744	2.590	13.7	19.9
2 21	7 14.70	− 2 41.7	1.801	2.582	16.2	20.0

154851 2004 RR_{53} 1 15.1 80.°32 3.°6/13.6 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 13	8 11.71	+29 30.6	1.917	2.751	13.1	20.2
12 23	8 5.81	+30 16.1	1.849	2.755	9.7	20.0
1 2	7 57.42	+31 0.0	1.806	2.759	6.2	19.8
1 12	7 47.41	+31 36.2	1.790	2.763	3.7	19.6
1 22	7 36.99	+32 0.1	1.804	2.767	5.1	19.7
2 1	7 27.44	+32 9.4	1.845	2.771	8.5	19.9
2 11	7 19.90	+32 4.6	1.912	2.775	11.9	20.1
2 21	7 15.07	+31 48.3	2.001	2.779	14.9	20.4

490040 2008 TB_{22} 1 15.1 107.°83 1.°4/15.6 15

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 13	8 14.71	+16 33.8	1.640	2.462	15.5	22.5
12 23	8 7.92	+16 44.3	1.581	2.481	11.5	22.3
1 2	7 58.58	+17 4.1	1.546	2.500	6.9	22.1
1 12	7 47.67	+17 30.0	1.538	2.519	2.3	21.8
1 22	7 36.50	+17 58.2	1.560	2.536	3.5	21.9
2 1	7 26.41	+18 25.3	1.610	2.554	8.0	22.2
2 11	7 18.52	+18 49.1	1.686	2.570	12.1	22.5
2 21	7 13.48	+19 8.5	1.784	2.586	15.5	22.8

236944 2007 TA_{353} 1 15.1 161.°22 0.°3/15.3 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 13	8 8.06	+19 6.7	2.627	3.442	10.5	21.4
12 23	8 2.45	+19 23.8	2.548	3.447	7.7	21.3
1 2	7 55.17	+19 45.6	2.496	3.451	4.6	21.1
1 12	7 46.85	+20 9.6	2.473	3.455	1.2	20.8
1 22	7 38.24	+20 33.4	2.481	3.458	2.3	20.9
2 1	7 30.16	+20 55.0	2.521	3.461	5.7	21.2
2 11	7 23.36	+21 13.0	2.588	3.464	8.7	21.4
2 21	7 18.37	+21 26.8	2.680	3.466	11.3	21.5

427474 2001 WR_{68} 1 15.1 106.°69 4.°1/12.8 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 13	8 10.01	+32 40.3	2.463	3.288	10.8	21.1
12 23	8 4.17	+33 40.2	2.399	3.297	8.2	21.0
1 2	7 56.30	+34 36.5	2.360	3.305	5.6	20.8
1 12	7 47.14	+35 24.1	2.351	3.314	4.1	20.7
1 22	7 37.62	+35 58.7	2.372	3.322	5.2	20.8
2 1	7 28.78	+36 18.2	2.422	3.331	7.7	21.0
2 11	7 21.53	+36 23.2	2.498	3.339	10.3	21.2
2 21	7 16.50	+36 15.8	2.597	3.347	12.6	21.3

489629 2007 TZ_{345} 1 15.1 52.°85 3.°1/13.8 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 13	8 9.90	+28 19.9	2.008	2.842	12.5	21.2
12 23	8 4.26	+29 3.5	1.950	2.858	9.2	21.0
1 2	7 56.39	+29 46.0	1.918	2.873	5.7	20.9
1 12	7 47.15	+30 22.0	1.914	2.889	3.2	20.7
1 22	7 37.64	+30 47.4	1.939	2.905	4.6	20.8
2 1	7 29.01	+31 0.3	1.992	2.921	7.8	21.1
2 11	7 22.25	+31 1.0	2.071	2.937	11.0	21.3
2 21	7 17.95	+30 51.2	2.173	2.953	13.8	21.5

404170 2013 CZ_{79} 1 15.1 259.°39 0.°5/15.3 17

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 13	8 12.85	+19 2.8	1.709	2.538	14.7	22.3
12 23	8 7.01	+19 14.6	1.615	2.520	11.0	22.0
1 2	7 58.36	+19 33.9	1.545	2.501	6.6	21.7
1 12	7 47.71	+19 57.5	1.501	2.483	1.7	21.4
1 22	7 36.26	+20 21.7	1.486	2.463	3.5	21.5
2 1	7 25.44	+20 43.0	1.500	2.444	8.5	21.7
2 11	7 16.61	+20 59.5	1.539	2.424	13.0	21.9
2 21	7 10.69	+21 10.4	1.601	2.403	16.9	22.1

277947 2006 QC_{119} 1 15.1 129.°56 5.°7/19.1 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 13	8 5.47	− 2 3.7	3.034	3.766	11.2	21.1
12 23	8 0.27	− 2 13.9	2.961	3.781	9.3	21.0
1 2	7 53.78	− 2 9.3	2.912	3.795	7.4	20.9
1 12	7 46.50	− 1 49.3	2.889	3.809	6.0	20.8
1 22	7 39.03	− 1 14.9	2.896	3.823	5.7	20.8
2 1	7 32.01	− 0 28.1	2.932	3.836	6.7	20.9
2 11	7 26.00	+ 0 27.5	2.997	3.848	8.4	21.0
2 21	7 21.43	+ 1 28.3	3.087	3.860	10.2	21.1

185233 2006 TY_{109} 1 15.1 327.°05 2.°9/15.9 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 13	8 6.03	+14 45.7	1.312	2.158	17.2	19.4
12 23	8 2.61	+14 34.8	1.219	2.130	13.2	19.0
1 2	7 56.06	+14 37.2	1.148	2.104	8.5	18.7
1 12	7 47.20	+14 52.2	1.100	2.078	3.8	18.3
1 22	7 37.32	+15 17.2	1.077	2.054	4.7	18.3
2 1	7 28.08	+15 48.5	1.080	2.031	10.0	18.5
2 11	7 21.09	+16 21.6	1.105	2.009	15.2	18.8
2 21	7 17.45	+16 53.1	1.149	1.988	19.9	19.0

10309 1990 QC_6 1 15.1 45.°87 0.°2/15.1 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 13	8 12.67	+20 9.7	1.171	2.024	18.4	17.6
12 23	8 7.21	+20 31.8	1.124	2.041	13.5	17.4
1 2	7 58.45	+21 2.6	1.098	2.059	7.9	17.1
1 12	7 47.67	+21 36.2	1.096	2.078	1.9	16.8
1 22	7 36.61	+22 7.0	1.119	2.097	4.1	17.0
2 1	7 27.03	+22 30.7	1.169	2.117	9.7	17.4
2 11	7 20.33	+22 45.9	1.241	2.137	14.6	17.7
2 21	7 17.16	+22 52.7	1.333	2.158	18.5	18.0

400177 2006 WV_{94} 1 15.1 72.°56 1.°4/15.7 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 13	8 12.32	+16 29.2	1.659	2.485	15.2	21.5
12 23	8 6.09	+16 41.5	1.607	2.509	11.2	21.3
1 2	7 57.45	+17 3.0	1.579	2.534	6.7	21.1
1 12	7 47.40	+17 30.6	1.578	2.558	2.2	20.9
1 22	7 37.17	+18 0.4	1.605	2.582	3.3	21.0
2 1	7 28.01	+18 29.2	1.661	2.606	7.7	21.3
2 11	7 20.96	+18 54.6	1.744	2.630	11.6	21.6
2 21	7 16.61	+19 15.4	1.848	2.654	14.9	21.9

102987 1999 XM_{87} 1 15.1 34.°18 2.°2/14.3 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 13	8 11.13	+21 45.0	1.094	1.954	18.8	19.2
12 23	8 6.53	+22 51.6	1.042	1.964	13.8	18.9
1 2	7 58.30	+24 8.3	1.011	1.974	8.1	18.7
1 12	7 47.69	+25 25.5	1.003	1.985	2.6	18.4
1 22	7 36.51	+26 33.3	1.021	1.996	5.3	18.6
2 1	7 26.74	+27 24.9	1.063	2.009	10.9	18.9
2 11	7 20.02	+27 58.3	1.128	2.022	15.9	19.3
2 21	7 17.15	+28 14.9	1.211	2.035	20.0	19.6

310356 2011 UM_{264} 1 15.1 100.°10 1.°3/15.7 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 13	8 12.15	+15 21.3	1.643	2.467	15.4	20.8
12 23	8 6.15	+15 53.7	1.581	2.482	11.4	20.6
1 2	7 57.61	+16 37.9	1.543	2.497	6.9	20.3
1 12	7 47.48	+17 29.8	1.532	2.512	2.3	20.1
1 22	7 36.98	+18 24.4	1.550	2.527	3.4	20.2
2 1	7 27.44	+19 16.7	1.596	2.541	7.9	20.5
2 11	7 20.00	+20 3.2	1.668	2.555	12.1	20.8
2 21	7 15.33	+20 42.1	1.763	2.568	15.5	21.0

256109 2006 UG_{281} 1 15.1 358.°78 3.°2/13.9 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 13	8 11.86	+27 15.1	1.709	2.548	14.2	20.8
12 23	8 6.21	+28 3.7	1.638	2.548	10.5	20.6
1 2	7 57.80	+28 53.3	1.591	2.548	6.5	20.3
1 12	7 47.55	+29 37.4	1.572	2.548	3.3	20.1
1 22	7 36.77	+30 10.3	1.580	2.548	5.1	20.2
2 1	7 26.89	+30 28.7	1.616	2.548	9.0	20.5
2 11	7 19.19	+30 32.7	1.677	2.548	12.9	20.7
2 21	7 14.45	+30 24.5	1.760	2.548	16.2	20.9

335858 2007 RB_{23} 1 15.1 126.°43 0.°3/15.0 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 13	8 9.47	+21 42.9	2.444	3.264	11.1	21.4
12 23	8 3.54	+21 52.5	2.372	3.273	8.1	21.2
1 2	7 55.83	+22 4.8	2.326	3.282	4.7	21.0
1 12	7 47.03	+22 17.3	2.309	3.291	1.1	20.8
1 22	7 37.98	+22 27.6	2.323	3.300	2.6	20.9
2 1	7 29.58	+22 34.2	2.368	3.308	6.0	21.1
2 11	7 22.64	+22 36.4	2.440	3.316	9.2	21.4
2 21	7 17.67	+22 34.3	2.537	3.324	11.9	21.5

374025 2004 EB_{62} 1 15.1 5.°99 5.°3/17.6 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 13	8 4.41	+ 6 24.1	1.709	2.518	15.6	20.1
12 23	8 0.46	+ 6 18.7	1.637	2.519	12.3	19.9
1 2	7 54.30	+ 6 31.9	1.586	2.520	8.8	19.7
1 12	7 46.70	+ 7 3.5	1.561	2.523	5.9	19.5
1 22	7 38.69	+ 7 51.2	1.562	2.526	5.7	19.5
2 1	7 31.37	+ 8 50.6	1.591	2.531	8.4	19.7
2 11	7 25.77	+ 9 56.0	1.644	2.536	11.9	19.9
2 21	7 22.56	+11 2.2	1.720	2.542	15.1	20.1

318693 2005 QQ_{74} 1 15.1 160.°72 5.°8/18.3 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 13	8 8.51	+ 1 31.5	2.349	3.109	13.3	21.4
12 23	8 2.88	+ 1 24.9	2.270	3.115	10.8	21.2
1 2	7 55.49	+ 1 35.2	2.214	3.121	8.3	21.1
1 12	7 46.97	+ 2 2.8	2.185	3.126	6.2	21.0
1 22	7 38.12	+ 2 46.3	2.184	3.131	5.9	20.9
2 1	7 29.82	+ 3 42.6	2.214	3.135	7.6	21.1
2 11	7 22.85	+ 4 47.2	2.271	3.138	10.1	21.2
2 21	7 17.79	+ 5 55.5	2.352	3.141	12.6	21.4

378383 2007 QN_{14} 1 15.1 55.°44 0.°7/14.8 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 13	8 9.13	+21 59.6	1.981	2.812	12.8	21.1
12 23	8 3.62	+22 23.5	1.921	2.828	9.4	20.9
1 2	7 56.00	+22 51.1	1.886	2.845	5.4	20.7
1 12	7 47.10	+23 18.8	1.879	2.861	1.4	20.4
1 22	7 37.96	+23 42.9	1.902	2.878	3.1	20.6
2 1	7 29.65	+24 1.1	1.953	2.895	7.0	20.9
2 11	7 23.12	+24 12.5	2.032	2.912	10.5	21.1
2 21	7 18.92	+24 17.2	2.133	2.929	13.5	21.4

465800 2010 CH_{77} 1 15.1 57.°61 4.°3/13.6 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 13	8 12.99	+33 28.4	2.087	2.915	12.4	20.6
12 23	8 6.57	+33 53.8	2.021	2.920	9.4	20.4
1 2	7 57.78	+34 13.2	1.980	2.926	6.3	20.2
1 12	7 47.54	+34 21.6	1.966	2.932	4.4	20.1
1 22	7 37.02	+34 15.8	1.981	2.938	5.4	20.2
2 1	7 27.46	+33 55.0	2.025	2.945	8.3	20.4
2 11	7 19.88	+33 21.4	2.095	2.951	11.4	20.6
2 21	7 14.92	+32 38.4	2.188	2.957	14.0	20.8

492536 2014 OZ_{93} 1 15.1 24.°51 3.°5/16.5 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 13	8 8.02	+11 43.7	1.267	2.105	18.2	20.8
12 23	8 3.70	+11 56.3	1.207	2.112	13.9	20.5
1 2	7 56.44	+12 27.8	1.168	2.120	9.0	20.3
1 12	7 47.27	+13 15.6	1.152	2.129	4.3	20.0
1 22	7 37.60	+14 14.4	1.163	2.138	4.7	20.1
2 1	7 29.00	+15 17.7	1.199	2.148	9.3	20.4
2 11	7 22.83	+16 19.3	1.258	2.160	14.0	20.7
2 21	7 19.83	+17 14.8	1.338	2.171	18.0	21.0

114387 2002 YK_1 1 15.2 322.°28 0.°5/15.3 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 13	8 9.45	+20 55.9	2.046	2.874	12.6	19.1
12 23	8 3.97	+20 34.7	1.957	2.861	9.4	18.9
1 2	7 56.31	+20 15.8	1.892	2.849	5.6	18.6
1 12	7 47.22	+19 57.8	1.855	2.837	1.5	18.3
1 22	7 37.68	+19 39.3	1.848	2.825	2.9	18.4
2 1	7 28.80	+19 19.6	1.870	2.814	7.1	18.6
2 11	7 21.58	+18 58.7	1.919	2.803	10.8	18.8
2 21	7 16.70	+18 36.9	1.991	2.792	14.1	19.0

447780 2007 RZ_{146} 1 15.2 68.°85 1.°9/15.9 17

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 13	8 11.96	+14 36.7	1.459	2.289	16.7	20.9
12 23	8 6.17	+14 59.7	1.406	2.309	12.4	20.7
1 2	7 57.68	+15 36.1	1.375	2.329	7.6	20.5
1 12	7 47.53	+16 21.8	1.369	2.349	2.8	20.2
1 22	7 37.09	+17 11.8	1.392	2.369	3.7	20.3
2 1	7 27.78	+18 1.0	1.442	2.389	8.4	20.7
2 11	7 20.78	+18 45.4	1.517	2.408	12.7	21.0
2 21	7 16.74	+19 23.1	1.614	2.428	16.3	21.2

36124 1999 RF_{147} 1 15.2 268.°82 1.°5/15.6 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 13	8 10.29	+17 27.6	1.996	2.817	13.1	18.7
12 23	8 4.61	+17 13.8	1.909	2.809	9.8	18.5
1 2	7 56.70	+17 6.0	1.847	2.800	6.0	18.2
1 12	7 47.32	+17 2.8	1.812	2.792	2.2	18.0
1 22	7 37.47	+17 2.3	1.807	2.783	3.2	18.0
2 1	7 28.28	+17 3.2	1.831	2.775	7.2	18.3
2 11	7 20.77	+17 4.1	1.882	2.766	11.0	18.5
2 21	7 15.63	+17 4.3	1.956	2.758	14.3	18.7

218380 2004 NF_{11} 1 15.2 88.°96 1.°4/14.7 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 13	8 15.40	+25 27.5	2.086	2.907	12.6	20.8
12 23	8 7.94	+25 31.7	2.033	2.935	9.2	20.6
1 2	7 58.38	+25 35.1	2.006	2.962	5.4	20.4
1 12	7 47.67	+25 34.7	2.009	2.989	1.8	20.2
1 22	7 36.89	+25 28.1	2.042	3.015	3.3	20.4
2 1	7 27.15	+25 14.9	2.105	3.041	6.9	20.6
2 11	7 19.36	+24 55.7	2.196	3.066	10.3	20.9
2 21	7 14.02	+24 32.3	2.310	3.091	13.0	21.1

243754 2000 QY_{159} 1 15.2 196.°55 2.°4/16.0 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 13	8 13.16	+14 6.1	2.009	2.817	13.6	21.1
12 23	8 6.67	+13 59.9	1.924	2.814	10.3	20.9
1 2	7 57.90	+14 2.9	1.863	2.810	6.6	20.7
1 12	7 47.62	+14 13.8	1.830	2.806	3.0	20.5
1 22	7 36.85	+14 30.3	1.827	2.801	3.6	20.5
2 1	7 26.75	+14 50.2	1.854	2.795	7.4	20.7
2 11	7 18.36	+15 11.1	1.909	2.788	11.1	20.9
2 21	7 12.38	+15 31.3	1.987	2.781	14.4	21.1

19226 Peiresc 1 15.2 125.°59 3.°1/16.8 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 13	8 5.38	+ 9 43.9	2.634	3.429	11.1	18.3
12 23	8 0.48	+ 9 41.5	2.554	3.432	8.6	18.1
1 2	7 54.04	+ 9 49.2	2.499	3.436	5.8	17.9
1 12	7 46.65	+10 6.3	2.472	3.439	3.5	17.8
1 22	7 38.99	+10 31.4	2.475	3.442	3.6	17.8
2 1	7 31.80	+11 2.2	2.508	3.445	5.9	17.9
2 11	7 25.77	+11 36.2	2.569	3.448	8.6	18.1
2 21	7 21.40	+12 10.9	2.655	3.451	11.1	18.3

293209 2007 BD_{19} 1 15.2 35.°59 1.°8/14.8 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 13	8 14.80	+26 36.8	1.433	2.277	16.2	19.7
12 23	8 8.38	+26 21.9	1.377	2.289	11.9	19.5
1 2	7 58.99	+26 4.8	1.343	2.303	7.0	19.3
1 12	7 47.86	+25 42.0	1.336	2.317	2.4	19.0
1 22	7 36.53	+25 11.5	1.356	2.332	4.2	19.2
2 1	7 26.61	+24 33.6	1.404	2.347	9.0	19.5
2 11	7 19.32	+23 50.8	1.476	2.363	13.3	19.8
2 21	7 15.28	+23 5.7	1.569	2.379	16.9	20.1

238737 2005 GM_{121} 1 15.2 226.°28 0.°9/15.7 17

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 13	8 7.02	+16 40.1	2.948	3.755	9.7	21.8
12 23	8 1.64	+16 52.6	2.851	3.744	7.2	21.6
1 2	7 54.74	+17 10.7	2.780	3.732	4.4	21.4
1 12	7 46.84	+17 32.7	2.740	3.720	1.5	21.1
1 22	7 38.58	+17 56.8	2.731	3.707	2.2	21.2
2 1	7 30.69	+18 20.9	2.753	3.694	5.3	21.4
2 11	7 23.87	+18 43.4	2.804	3.680	8.1	21.5
2 21	7 18.63	+19 3.3	2.881	3.666	10.6	21.7

215495 2002 TF_{161} 1 15.2 70.°09 5.°5/18.1 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 13	8 9.07	+ 3 59.9	1.652	2.445	16.7	19.9
12 23	8 3.84	+ 4 21.5	1.589	2.461	13.2	19.7
1 2	7 56.27	+ 5 5.7	1.548	2.476	9.5	19.5
1 12	7 47.22	+ 6 11.1	1.532	2.492	6.3	19.4
1 22	7 37.82	+ 7 33.3	1.544	2.507	5.9	19.4
2 1	7 29.26	+ 9 5.5	1.584	2.523	8.6	19.6
2 11	7 22.61	+10 40.3	1.650	2.538	12.1	19.8
2 21	7 18.52	+12 11.6	1.740	2.554	15.3	20.1

67631 2000 ST_{202} 1 15.2 18.°78 1.°1/14.7 18 R

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 13	8 10.25	+22 51.9	1.776	2.612	13.9	19.4
12 23	8 4.83	+23 16.5	1.704	2.613	10.2	19.2
1 2	7 56.92	+23 45.1	1.656	2.615	6.0	19.0
1 12	7 47.40	+24 13.2	1.635	2.616	1.7	18.7
1 22	7 37.43	+24 36.8	1.643	2.618	3.6	18.8
2 1	7 28.30	+24 52.9	1.679	2.620	7.9	19.1
2 11	7 21.14	+25 0.7	1.740	2.622	11.9	19.3
2 21	7 16.67	+25 0.8	1.824	2.625	15.2	19.5

245168 2004 TE_{104} 1 15.2 29.°97 5.°6/13.6 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 13	8 15.19	+31 44.2	1.295	2.145	17.1	20.0
12 23	8 9.38	+32 32.2	1.237	2.150	13.0	19.8
1 2	7 59.94	+33 15.4	1.201	2.155	8.6	19.6
1 12	7 48.17	+33 44.7	1.190	2.160	5.7	19.4
1 22	7 35.88	+33 53.4	1.204	2.166	7.3	19.5
2 1	7 25.06	+33 39.8	1.244	2.173	11.4	19.8
2 11	7 17.30	+33 7.2	1.306	2.180	15.6	20.0
2 21	7 13.38	+32 21.5	1.387	2.187	19.2	20.3

323493 2004 PK_{73} 1 15.2 190.°47 3.°0/14.0 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 13	8 14.06	+30 8.0	2.289	3.110	11.7	21.2
12 23	8 7.22	+30 28.0	2.210	3.109	8.7	21.0
1 2	7 58.16	+30 44.9	2.157	3.108	5.5	20.8
1 12	7 47.69	+30 54.2	2.133	3.106	3.1	20.6
1 22	7 36.86	+30 52.8	2.139	3.104	4.3	20.7
2 1	7 26.81	+30 39.8	2.175	3.101	7.4	20.9
2 11	7 18.53	+30 16.1	2.239	3.098	10.6	21.1
2 21	7 12.66	+29 44.5	2.326	3.094	13.3	21.3

200019 2007 MG_{25} 1 15.2 273.°81 0.°6/14.9 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 13	8 10.57	+22 46.1	2.124	2.951	12.3	20.7
12 23	8 4.84	+22 50.8	2.031	2.936	9.1	20.5
1 2	7 56.87	+22 57.7	1.963	2.920	5.4	20.2
1 12	7 47.40	+23 4.1	1.923	2.905	1.4	19.9
1 22	7 37.42	+23 7.3	1.913	2.890	3.0	20.0
2 1	7 28.03	+23 5.6	1.933	2.874	7.1	20.2
2 11	7 20.27	+22 58.6	1.980	2.858	10.8	20.4
2 21	7 14.86	+22 46.7	2.050	2.843	14.1	20.6

113769 2002 TB_{178} 1 15.2 126.°65 0.°8/15.4 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 13	8 14.35	+19 30.9	1.994	2.812	13.3	19.4
12 23	8 7.37	+19 17.9	1.926	2.825	9.8	19.2
1 2	7 58.19	+19 9.0	1.883	2.837	5.8	19.0
1 12	7 47.68	+19 2.2	1.868	2.849	1.7	18.7
1 22	7 36.93	+18 55.8	1.884	2.861	3.0	18.9
2 1	7 27.08	+18 48.6	1.930	2.872	7.0	19.1
2 11	7 19.11	+18 40.1	2.004	2.883	10.7	19.4
2 21	7 13.60	+18 30.4	2.101	2.893	13.8	19.6

127475 2002 RC_{141} 1 15.2 194.°33 2.°7/14.1 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 13	8 15.29	+24 45.7	1.584	2.420	15.3	20.3
12 23	8 8.99	+25 43.0	1.510	2.419	11.3	20.0
1 2	7 59.61	+26 44.8	1.459	2.417	6.8	19.7
1 12	7 48.11	+27 43.9	1.436	2.415	2.9	19.5
1 22	7 35.90	+28 32.9	1.441	2.412	4.9	19.6
2 1	7 24.62	+29 7.4	1.474	2.409	9.5	19.9
2 11	7 15.72	+29 26.3	1.532	2.405	13.8	20.1
2 21	7 10.08	+29 31.8	1.611	2.400	17.4	20.4

205943 2002 JU_{55} 1 15.2 202.°42 0.°5/14.9 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 13	8 12.85	+21 9.2	2.070	2.891	12.7	21.6
12 23	8 6.50	+21 32.9	1.985	2.887	9.4	21.4
1 2	7 57.84	+22 1.3	1.926	2.882	5.5	21.2
1 12	7 47.64	+22 30.7	1.895	2.877	1.4	20.9
1 22	7 36.93	+22 57.5	1.894	2.870	3.1	21.0
2 1	7 26.89	+23 18.8	1.924	2.864	7.2	21.2
2 11	7 18.56	+23 33.4	1.981	2.856	11.0	21.4
2 21	7 12.68	+23 41.4	2.061	2.848	14.2	21.6

320760 2008 EO_{75} 1 15.2 292.°01 1.°4/14.6 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 13	8 10.41	+22 44.4	1.707	2.545	14.2	21.2
12 23	8 5.25	+23 17.6	1.621	2.532	10.6	20.9
1 2	7 57.36	+23 56.3	1.559	2.518	6.3	20.7
1 12	7 47.56	+24 35.6	1.523	2.505	1.9	20.3
1 22	7 37.06	+25 10.3	1.516	2.491	3.9	20.4
2 1	7 27.25	+25 36.6	1.537	2.478	8.6	20.7
2 11	7 19.46	+25 52.8	1.583	2.465	12.9	20.9
2 21	7 14.54	+25 59.3	1.651	2.452	16.5	21.1

340642 2006 QX_{162} 1 15.2 180.°12 2.°5/13.8 17

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 13	8 9.95	+30 5.9	2.949	3.767	9.4	21.7
12 23	8 3.81	+30 30.4	2.870	3.768	7.0	21.5
1 2	7 56.00	+30 52.4	2.818	3.768	4.4	21.3
1 12	7 47.15	+31 8.6	2.796	3.769	2.6	21.2
1 22	7 38.04	+31 16.7	2.806	3.768	3.6	21.3
2 1	7 29.47	+31 15.5	2.846	3.768	6.1	21.4
2 11	7 22.20	+31 5.3	2.914	3.767	8.6	21.6
2 21	7 16.75	+30 47.5	3.006	3.765	10.8	21.7

310339 2011 UZ_{200} 1 15.2 85.°61 0.°3/15.1 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 13	8 14.47	+20 38.4	1.575	2.408	15.5	21.3
12 23	8 7.90	+20 59.2	1.521	2.429	11.4	21.1
1 2	7 58.66	+21 25.7	1.491	2.449	6.6	20.9
1 12	7 47.81	+21 53.5	1.487	2.469	1.6	20.6
1 22	7 36.72	+22 18.1	1.512	2.489	3.5	20.8
2 1	7 26.80	+22 36.6	1.565	2.508	8.2	21.1
2 11	7 19.20	+22 48.2	1.644	2.528	12.4	21.4
2 21	7 14.57	+22 53.0	1.744	2.546	15.8	21.7

166810 2002 VT_{78} 1 15.2 69.°40 0.°2/15.1 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 13	8 7.78	+19 57.9	2.190	3.016	12.0	20.0
12 23	8 2.58	+20 30.0	2.119	3.023	8.8	19.8
1 2	7 55.43	+21 7.6	2.072	3.030	5.1	19.6
1 12	7 47.04	+21 47.4	2.055	3.037	1.2	19.4
1 22	7 38.32	+22 25.7	2.067	3.044	2.8	19.5
2 1	7 30.23	+22 59.6	2.109	3.051	6.5	19.7
2 11	7 23.68	+23 27.0	2.178	3.058	9.9	20.0
2 21	7 19.25	+23 47.6	2.271	3.065	12.8	20.2

34514 2000 SQ_{180} 1 15.2 234.°49 2.°5/14.2 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 13	8 15.63	+27 4.5	1.998	2.823	13.0	18.9
12 23	8 8.82	+27 33.2	1.905	2.808	9.7	18.7
1 2	7 59.36	+28 2.0	1.838	2.793	5.9	18.4
1 12	7 48.06	+28 25.8	1.799	2.776	2.7	18.2
1 22	7 36.07	+28 40.1	1.790	2.760	4.3	18.3
2 1	7 24.77	+28 42.5	1.810	2.742	8.3	18.5
2 11	7 15.40	+28 33.2	1.858	2.723	12.1	18.6
2 21	7 8.78	+28 14.5	1.928	2.704	15.4	18.8

413510 2005 RP_{9} 1 15.2 89.°62 6.°6/13.2 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 13	8 18.48	+38 35.0	1.856	2.677	14.0	20.5
12 23	8 10.92	+39 13.8	1.800	2.689	11.0	20.3
1 2	8 0.46	+39 41.5	1.768	2.701	8.1	20.2
1 12	7 48.26	+39 50.9	1.762	2.713	6.6	20.1
1 22	7 35.83	+39 38.2	1.784	2.725	7.5	20.2
2 1	7 24.74	+39 3.7	1.834	2.736	10.1	20.4
2 11	7 16.21	+38 11.5	1.909	2.748	13.0	20.6
2 21	7 10.90	+37 7.6	2.005	2.759	15.6	20.8

381215 2007 RW_{198} 1 15.2 91.°35 0.°4/15.3 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 13	8 11.74	+20 23.9	2.441	3.255	11.3	20.8
12 23	8 5.05	+20 13.5	2.381	3.279	8.3	20.6
1 2	7 56.67	+20 5.9	2.348	3.303	4.8	20.5
1 12	7 47.32	+19 59.4	2.345	3.326	1.3	20.2
1 22	7 37.86	+19 52.4	2.372	3.349	2.4	20.4
2 1	7 29.19	+19 44.2	2.431	3.372	5.9	20.6
2 11	7 22.04	+19 34.5	2.518	3.394	8.9	20.9
2 21	7 16.90	+19 23.3	2.630	3.416	11.5	21.1

277200 2005 QP_{70} 1 15.2 84.°74 3.°3/16.4 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 13	8 13.98	+12 3.1	1.393	2.216	17.7	20.5
12 23	8 7.72	+12 12.4	1.340	2.237	13.4	20.3
1 2	7 58.64	+12 37.9	1.309	2.258	8.6	20.0
1 12	7 47.84	+13 16.7	1.303	2.279	4.1	19.8
1 22	7 36.75	+14 4.1	1.325	2.299	4.5	19.9
2 1	7 26.87	+14 54.8	1.374	2.319	8.9	20.2
2 11	7 19.43	+15 44.1	1.448	2.339	13.2	20.5
2 21	7 15.10	+16 28.7	1.543	2.358	16.9	20.8

336623 2009 VK_{49} 1 15.2 58.°51 3.°2/14.3 17

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 13	8 16.94	+26 1.6	1.125	1.979	18.9	20.6
12 23	8 10.57	+26 42.1	1.083	2.000	13.8	20.4
1 2	8 0.53	+27 23.7	1.062	2.022	8.3	20.1
1 12	7 48.30	+27 57.7	1.065	2.044	3.5	19.9
1 22	7 35.86	+28 17.8	1.093	2.066	5.7	20.1
2 1	7 25.21	+28 21.5	1.147	2.088	10.8	20.5
2 11	7 17.83	+28 10.7	1.223	2.111	15.4	20.8
2 21	7 14.35	+27 49.2	1.319	2.133	19.3	21.1

53768 2000 EW_{84} 1 15.2 171.°33 2.°5/14.5 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 13	8 17.63	+27 11.0	1.585	2.419	15.4	19.4
12 23	8 10.55	+27 22.7	1.513	2.421	11.4	19.1
1 2	8 0.42	+27 33.1	1.466	2.422	6.9	18.9
1 12	7 48.31	+27 36.5	1.445	2.424	2.9	18.6
1 22	7 35.72	+27 29.2	1.452	2.424	4.6	18.7
2 1	7 24.30	+27 10.0	1.488	2.425	9.2	19.0
2 11	7 15.42	+26 40.7	1.549	2.425	13.4	19.3
2 21	7 9.83	+26 4.7	1.631	2.425	17.0	19.5

80951 2000 DK_{96} 1 15.2 167.°31 2.°7/16.4 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 13	8 12.95	+11 48.5	1.875	2.681	14.5	19.9
12 23	8 6.62	+12 10.4	1.798	2.686	11.0	19.7
1 2	7 57.94	+12 46.0	1.745	2.691	7.1	19.5
1 12	7 47.69	+13 32.8	1.720	2.695	3.3	19.3
1 22	7 36.97	+14 26.8	1.724	2.698	3.7	19.3
2 1	7 26.98	+15 23.6	1.758	2.700	7.6	19.5
2 11	7 18.80	+16 18.9	1.820	2.702	11.4	19.8
2 21	7 13.14	+17 9.8	1.905	2.703	14.8	20.0

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
242902	2006 KQ_{114}		1 15.2	139.°65	1.°0/15.6	18
	h m	° ′			°	m
12 13	8 11.58	+18 31.9	3.016	3.817	9.7	20.5
12 23	8 4.72	+18 6.7	2.939	3.829	7.2	20.4
1 2	7 56.41	+17 44.0	2.891	3.841	4.3	20.2
1 12	7 47.26	+17 23.0	2.873	3.852	1.5	20.0
1 22	7 37.97	+17 3.2	2.888	3.863	2.3	20.1
2 1	7 29.26	+16 44.3	2.935	3.874	5.1	20.3
2 11	7 21.77	+16 26.0	3.013	3.883	7.8	20.5
2 21	7 15.95	+16 8.2	3.116	3.893	10.1	20.7
14480	1994 PU_1		1 15.2	84.°65	3.°2/16.5	18
12 13	8 13.98	+11 35.2	1.463	2.282	17.2	17.8
12 23	8 7.58	+11 51.6	1.412	2.307	13.0	17.6
1 2	7 58.50	+12 24.1	1.383	2.331	8.3	17.4
1 12	7 47.80	+13 9.5	1.380	2.355	4.0	17.2
1 22	7 36.86	+14 3.1	1.404	2.379	4.3	17.3
2 1	7 27.10	+14 59.2	1.457	2.402	8.5	17.6
2 11	7 19.68	+15 53.1	1.535	2.425	12.7	17.9
2 21	7 15.23	+16 41.7	1.635	2.447	16.2	18.2
354126	2002 AV_{201}		1 15.2	6.°52	6.°1/13.1	18
12 13	8 9.53	+29 40.9	1.070	1.938	18.5	19.8
12 23	8 5.80	+30 58.9	1.015	1.938	13.9	19.6
1 2	7 58.15	+32 17.1	0.981	1.940	9.2	19.3
1 12	7 47.82	+33 23.4	0.970	1.942	6.1	19.2
1 22	7 36.76	+34 7.7	0.982	1.946	8.2	19.3
2 1	7 27.16	+34 25.3	1.017	1.951	12.8	19.5
2 11	7 20.83	+34 18.0	1.073	1.958	17.3	19.8
2 21	7 18.63	+33 51.1	1.147	1.966	21.3	20.1
206168	2002 TC_{250}		1 15.2	213.°50	3.°4/13.8	18
12 13	8 13.54	+28 42.8	1.930	2.761	13.1	20.5
12 23	8 7.31	+29 28.5	1.852	2.757	9.8	20.3
1 2	7 58.45	+30 13.7	1.798	2.752	6.2	20.1
1 12	7 47.85	+30 52.2	1.773	2.747	3.5	19.9
1 22	7 36.68	+31 19.0	1.777	2.742	5.0	20.0
2 1	7 26.30	+31 31.3	1.809	2.736	8.6	20.2
2 11	7 17.92	+31 29.4	1.868	2.730	12.2	20.4
2 21	7 12.32	+31 15.7	1.948	2.724	15.3	20.6
274718	2008 UF_{142}		1 15.2	96.°62	2.°0/16.1	18
12 13	8 8.98	+14 14.1	2.280	3.089	12.1	21.1
12 23	8 3.24	+14 14.3	2.214	3.106	9.1	20.9
1 2	7 55.71	+14 22.8	2.174	3.122	5.7	20.7
1 12	7 47.12	+14 38.0	2.162	3.139	2.6	20.5
1 22	7 38.32	+14 57.7	2.180	3.155	3.0	20.6
2 1	7 30.19	+15 19.8	2.229	3.171	6.2	20.8
2 11	7 23.54	+15 42.1	2.305	3.186	9.4	21.1
2 21	7 18.88	+16 3.1	2.405	3.202	12.1	21.3
330924	2009 SL_{154}		1 15.2	147.°41	2.°8/16.4	18
12 13	8 8.83	+12 20.2	1.983	2.794	13.6	21.6
12 23	8 3.50	+12 23.0	1.905	2.796	10.4	21.4
1 2	7 56.05	+12 37.3	1.851	2.798	6.7	21.2
1 12	7 47.24	+13 1.6	1.825	2.800	3.4	21.0
1 22	7 38.03	+13 33.5	1.828	2.801	3.7	21.0
2 1	7 29.48	+14 9.7	1.860	2.803	7.2	21.2
2 11	7 22.55	+14 47.1	1.919	2.804	10.8	21.4
2 21	7 17.88	+15 22.9	2.001	2.805	13.9	21.6
369414	2009 WS_{98}		1 15.2	86.°01	0.°9/15.5	18
12 13	8 10.29	+18 16.5	1.957	2.781	13.3	21.3
12 23	8 4.54	+18 16.9	1.886	2.788	9.8	21.1
1 2	7 56.64	+18 23.4	1.840	2.796	5.9	20.9
1 12	7 47.38	+18 33.9	1.822	2.803	1.8	20.7
1 22	7 37.80	+18 45.7	1.834	2.811	3.0	20.8
2 1	7 29.01	+18 56.9	1.874	2.818	7.0	21.0
2 11	7 21.97	+19 5.9	1.941	2.825	10.7	21.3
2 21	7 17.31	+19 12.0	2.032	2.833	13.9	21.5
82079	2001 BV_2		1 15.2	66.°14	13.°8/14.7	17
12 13	8 36.70	+48 31.2	1.030	1.851	22.7	18.7
12 23	8 26.55	+49 15.5	0.989	1.864	19.1	18.5
1 2	8 10.33	+49 28.7	0.965	1.876	15.7	18.3
1 12	7 50.68	+48 54.1	0.961	1.889	13.9	18.3
1 22	7 31.36	+47 26.3	0.980	1.903	14.4	18.4
2 1	7 15.82	+45 14.1	1.022	1.916	17.0	18.6
2 11	7 5.96	+42 35.8	1.084	1.929	20.3	18.8
2 21	7 1.95	+39 49.0	1.164	1.942	23.4	19.1
261383	2005 UX_{372}		1 15.2	324.°69	4.°5/16.2	18
12 13	8 8.05	+12 18.8	1.535	2.363	16.1	20.0
12 23	8 3.64	+11 35.6	1.444	2.342	12.5	19.7
1 2	7 56.50	+11 3.2	1.376	2.322	8.5	19.4
1 12	7 47.44	+10 42.8	1.332	2.303	5.0	19.2
1 22	7 37.63	+10 34.6	1.315	2.285	5.4	19.1
2 1	7 28.47	+10 37.2	1.324	2.267	9.4	19.3
2 11	7 21.29	+10 48.2	1.357	2.251	13.8	19.5
2 21	7 16.99	+11 4.3	1.411	2.235	17.7	19.7

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
288428	2004 EZ_{16}		1 15.2	318.°78	5.°8/12.5	18
	h m	° ′			°	m
12 13	8 10.45	+35 12.0	1.979	2.812	12.8	20.4
12 23	8 5.25	+36 11.8	1.897	2.796	9.9	20.2
1 2	7 57.37	+37 6.7	1.840	2.781	7.2	20.0
1 12	7 47.64	+37 49.8	1.809	2.766	5.8	19.9
1 22	7 37.23	+38 15.2	1.806	2.751	7.0	19.9
2 1	7 27.56	+38 20.2	1.830	2.737	9.8	20.0
2 11	7 19.88	+38 6.0	1.878	2.723	12.9	20.2
2 21	7 15.05	+37 36.1	1.948	2.710	15.8	20.4
77612	2001 KM_{36}		1 15.2	45.°55	3.°8/16.1	18
12 13	8 11.51	+13 6.6	1.859	2.671	14.3	17.0
12 23	8 5.30	+12 12.3	1.800	2.690	10.9	16.8
1 2	7 56.99	+11 26.9	1.765	2.709	7.2	16.6
1 12	7 47.46	+10 51.3	1.758	2.728	4.2	16.5
1 22	7 37.77	+10 25.5	1.779	2.747	4.5	16.5
2 1	7 29.02	+10 8.8	1.829	2.767	7.7	16.8
2 11	7 22.12	+ 9 59.9	1.906	2.787	11.1	17.0
2 21	7 17.60	+ 9 56.5	2.006	2.808	14.0	17.3
437781	2015 CS_2		1 15.2	146.°61	2.°9/14.1	18
12 13	8 11.69	+29 55.5	2.274	3.100	11.6	20.8
12 23	8 5.49	+30 13.6	2.199	3.101	8.6	20.7
1 2	7 57.18	+30 28.8	2.150	3.102	5.4	20.5
1 12	7 47.53	+30 36.8	2.129	3.103	3.0	20.3
1 22	7 37.57	+30 35.0	2.139	3.104	4.2	20.4
2 1	7 28.38	+30 22.2	2.177	3.105	7.3	20.6
2 11	7 20.90	+29 59.5	2.243	3.106	10.4	20.8
2 21	7 15.74	+29 29.0	2.332	3.107	13.1	21.0
62315	2000 SV_{119}		1 15.2	157.°41	2.°0/14.2	18
12 13	8 11.26	+25 17.6	2.153	2.981	12.1	19.4
12 23	8 5.28	+25 58.4	2.080	2.985	8.9	19.2
1 2	7 57.11	+26 40.9	2.032	2.989	5.3	19.0
1 12	7 47.54	+27 20.4	2.013	2.992	2.2	18.8
1 22	7 37.56	+27 52.7	2.024	2.995	3.7	18.9
2 1	7 28.28	+28 15.3	2.065	2.998	7.3	19.1
2 11	7 20.71	+28 27.4	2.133	3.001	10.6	19.3
2 21	7 15.49	+28 30.0	2.224	3.003	13.5	19.5
367606	2009 TV_{24}		1 15.2	116.°12	3.°0/13.6	18
12 13	8 12.21	+27 17.6	2.196	3.022	11.9	20.8
12 23	8 5.93	+28 24.4	2.134	3.037	8.8	20.7
1 2	7 57.47	+29 31.6	2.099	3.052	5.4	20.5
1 12	7 47.62	+30 33.3	2.093	3.067	3.0	20.3
1 22	7 37.40	+31 24.3	2.117	3.081	4.5	20.5
2 1	7 27.94	+32 1.7	2.172	3.095	7.6	20.7
2 11	7 20.21	+32 24.9	2.253	3.109	10.7	20.9
2 21	7 14.86	+32 35.6	2.357	3.122	13.3	21.1
75944	2000 CT_{85}		1 15.2	313.°12	0.°4/15.3	18
12 13	8 9.51	+18 37.7	1.567	2.405	15.3	19.1
12 23	8 4.70	+18 58.5	1.485	2.394	11.4	18.9
1 2	7 57.12	+19 28.7	1.426	2.384	6.8	18.6
1 12	7 47.60	+20 4.6	1.393	2.375	1.8	18.2
1 22	7 37.40	+20 41.6	1.387	2.365	3.5	18.3
2 1	7 27.96	+21 15.5	1.409	2.356	8.6	18.6
2 11	7 20.60	+21 43.4	1.456	2.347	13.2	18.8
2 21	7 16.19	+22 4.0	1.524	2.339	17.1	19.1
157842	1998 MP_1		1 15.2	313.°09	2.°4/16.2	18
12 13	8 8.13	+13 41.5	1.857	2.677	14.0	20.5
12 23	8 3.21	+13 46.0	1.775	2.671	10.6	20.3
1 2	7 56.01	+14 1.8	1.716	2.666	6.8	20.0
1 12	7 47.30	+14 27.3	1.684	2.661	3.1	19.8
1 22	7 38.09	+14 59.6	1.680	2.656	3.6	19.8
2 1	7 29.52	+15 35.4	1.705	2.651	7.5	20.0
2 11	7 22.65	+16 11.4	1.757	2.646	11.4	20.2
2 21	7 18.19	+16 45.0	1.831	2.641	14.8	20.4
199417	2006 CJ_{57}		1 15.2	99.°64	0.°9/15.6	18
12 13	8 9.22	+17 22.0	2.081	2.902	12.7	21.1
12 23	8 3.69	+17 35.5	2.010	2.910	9.4	20.9
1 2	7 56.14	+17 56.2	1.963	2.918	5.7	20.6
1 12	7 47.30	+18 21.5	1.945	2.926	1.8	20.4
1 22	7 38.15	+18 48.4	1.957	2.934	2.8	20.5
2 1	7 29.69	+19 14.3	1.998	2.941	6.7	20.7
2 11	7 22.85	+19 37.1	2.066	2.949	10.2	21.0
2 21	7 18.23	+19 55.7	2.157	2.957	13.2	21.2
459689	2013 NG_9		1 15.2	171.°26	1.°6/15.8	18
12 13	8 11.25	+16 7.1	2.285	3.095	12.1	21.5
12 23	8 5.02	+15 59.2	2.205	3.098	9.1	21.3
1 2	7 56.86	+15 57.6	2.150	3.101	5.6	21.1
1 12	7 47.49	+16 1.0	2.124	3.103	2.2	20.8
1 22	7 37.78	+16 7.7	2.129	3.105	2.9	20.9
2 1	7 28.70	+16 16.0	2.164	3.106	6.4	21.1
2 11	7 21.14	+16 24.5	2.228	3.106	9.8	21.3
2 21	7 15.67	+16 32.1	2.315	3.107	12.7	21.5

16207 Montgomery 1 15.2 139.°14 4.°1/13.4 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 13	8 12.31	+33 6.4	2.359	3.182	11.3	18.6
12 23	8 5.96	+33 45.2	2.290	3.187	8.6	18.4
1 2	7 57.47	+34 19.4	2.247	3.193	5.8	18.2
1 12	7 47.64	+34 44.0	2.233	3.198	4.1	18.1
1 22	7 37.48	+34 55.4	2.249	3.203	5.1	18.2
2 1	7 28.09	+34 52.5	2.293	3.208	7.8	18.4
2 11	7 20.44	+34 36.3	2.365	3.212	10.5	18.6
2 21	7 15.14	+34 9.4	2.459	3.216	13.0	18.8

11053 1991 CQ_6 1 15.2 82.°49 0.°9/15.6 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 13	8 9.18	+17 31.9	2.028	2.851	12.9	17.1
12 23	8 3.70	+17 44.0	1.958	2.859	9.6	16.9
1 2	7 56.16	+18 3.2	1.913	2.868	5.7	16.7
1 12	7 47.32	+18 27.0	1.895	2.876	1.8	16.4
1 22	7 38.16	+18 52.4	1.908	2.885	2.8	16.5
2 1	7 29.72	+19 16.7	1.949	2.893	6.8	16.8
2 11	7 22.94	+19 38.0	2.017	2.902	10.4	17.0
2 21	7 18.42	+19 55.1	2.109	2.910	13.4	17.2

84608 2002 VX_{35} 1 15.2 142.°34 1.°2/15.6 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 13	8 14.45	+17 11.7	1.556	2.383	15.9	20.5
12 23	8 8.12	+17 21.9	1.487	2.390	11.9	20.3
1 2	7 58.99	+17 41.7	1.442	2.397	7.2	20.0
1 12	7 48.05	+18 7.6	1.423	2.403	2.3	19.7
1 22	7 36.62	+18 35.7	1.432	2.409	3.6	19.8
2 1	7 26.20	+19 2.4	1.469	2.414	8.5	20.1
2 11	7 18.05	+19 25.3	1.532	2.419	12.9	20.4
2 21	7 12.92	+19 43.3	1.617	2.424	16.6	20.7

61031 2000 KQ_{55} 1 15.2 286.°77 0.°6/14.9 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 13	8 11.56	+20 4.1	1.435	2.277	16.2	19.6
12 23	8 6.57	+20 40.1	1.351	2.263	12.1	19.4
1 2	7 58.42	+21 26.3	1.289	2.249	7.2	19.0
1 12	7 47.98	+22 17.4	1.253	2.235	1.8	18.7
1 22	7 36.63	+23 6.9	1.244	2.221	4.0	18.8
2 1	7 26.05	+23 49.4	1.262	2.207	9.5	19.1
2 11	7 17.82	+24 21.8	1.304	2.194	14.5	19.3
2 21	7 12.92	+24 43.4	1.366	2.180	18.7	19.5

205352 2000 WC_{107} 1 15.2 127.°29 9.°7/ 9.9 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 13	8 21.54	+32 8.5	1.168	2.015	18.8	19.6
12 23	8 15.27	+35 31.4	1.116	2.023	14.6	19.4
1 2	8 4.24	+38 56.2	1.089	2.031	10.9	19.2
1 12	7 49.53	+42 0.2	1.088	2.038	9.8	19.2
1 22	7 33.26	+44 23.7	1.113	2.045	12.1	19.3
2 1	7 18.26	+45 57.6	1.164	2.051	16.0	19.6
2 11	7 7.04	+46 45.4	1.235	2.057	19.7	19.8
2 21	7 0.96	+46 57.5	1.322	2.062	22.9	20.1

32627 2001 RO_{69} 1 15.2 45.°03 1.°1/14.7 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 13	8 9.10	+23 58.9	2.225	3.053	11.7	18.8
12 23	8 3.58	+24 12.8	2.151	3.056	8.6	18.6
1 2	7 56.07	+24 28.3	2.102	3.060	5.1	18.4
1 12	7 47.30	+24 42.3	2.082	3.063	1.5	18.1
1 22	7 38.23	+24 51.9	2.092	3.066	3.0	18.2
2 1	7 29.84	+24 55.5	2.131	3.070	6.7	18.5
2 11	7 23.03	+24 52.8	2.197	3.073	10.0	18.7
2 21	7 18.40	+24 44.3	2.287	3.077	12.9	18.9

109441 2001 QA_{200} 1 15.2 107.°47 2.°2/15.8 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 13	8 14.43	+16 4.5	2.047	2.856	13.3	19.5
12 23	8 7.32	+15 33.9	1.983	2.875	10.0	19.3
1 2	7 58.16	+15 9.5	1.944	2.893	6.2	19.1
1 12	7 47.80	+14 50.6	1.934	2.911	2.7	18.9
1 22	7 37.27	+14 36.3	1.955	2.929	3.4	19.0
2 1	7 27.63	+14 25.7	2.005	2.946	6.9	19.3
2 11	7 19.80	+14 18.0	2.084	2.962	10.4	19.5
2 21	7 14.31	+14 12.0	2.186	2.978	13.3	19.7

452648 2005 UZ_{142} 1 15.2 146.°50 2.°9/16.2 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 13	8 14.57	+13 8.3	1.787	2.596	15.0	22.2
12 23	8 7.83	+13 0.2	1.716	2.607	11.4	22.0
1 2	7 58.66	+13 3.2	1.670	2.616	7.3	21.7
1 12	7 47.96	+13 15.8	1.651	2.626	3.5	21.5
1 22	7 36.88	+13 35.7	1.661	2.634	4.0	21.6
2 1	7 26.69	+14 0.0	1.700	2.642	7.9	21.8
2 11	7 18.47	+14 25.7	1.767	2.649	11.7	22.1
2 21	7 12.90	+14 50.7	1.856	2.655	15.1	22.3

402022 2003 SK_{83} 1 15.2 164.°93 0.°8/14.9 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 13	8 13.71	+21 59.4	2.007	2.830	13.0	22.7
12 23	8 7.15	+22 27.3	1.932	2.835	9.6	22.5
1 2	7 58.26	+22 59.1	1.883	2.840	5.6	22.3
1 12	7 47.87	+23 30.9	1.862	2.844	1.5	22.0
1 22	7 37.06	+23 58.5	1.872	2.847	3.2	22.2
2 1	7 27.02	+24 19.5	1.911	2.850	7.3	22.4
2 11	7 18.82	+24 32.6	1.978	2.852	11.0	22.6
2 21	7 13.13	+24 38.3	2.068	2.854	14.2	22.9

486062 2012 TK_{247} 1 15.2 129.°57 2.°2/14.5 17

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 13	8 18.89	+25 29.8	1.662	2.489	15.1	22.3
12 23	8 11.24	+26 1.6	1.602	2.506	11.1	22.1
1 2	8 0.74	+26 34.2	1.566	2.522	6.6	21.9
1 12	7 48.48	+27 1.6	1.558	2.538	2.6	21.7
1 22	7 35.91	+27 19.1	1.580	2.552	4.3	21.8
2 1	7 24.53	+27 24.6	1.630	2.565	8.7	22.1
2 11	7 15.61	+27 19.0	1.707	2.578	12.7	22.4
2 21	7 9.83	+27 4.6	1.805	2.590	16.0	22.6

268087 2004 RL_{160} 1 15.2 90.°66 0.°4/15.1 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 13	8 12.00	+21 41.0	2.022	2.847	12.9	21.5
12 23	8 5.70	+21 51.3	1.961	2.864	9.4	21.3
1 2	7 57.29	+22 4.8	1.925	2.882	5.5	21.1
1 12	7 47.62	+22 18.5	1.917	2.899	1.3	20.8
1 22	7 37.72	+22 29.5	1.939	2.916	2.9	21.0
2 1	7 28.70	+22 35.9	1.991	2.933	6.9	21.2
2 11	7 21.49	+22 37.3	2.070	2.949	10.4	21.5
2 21	7 16.65	+22 34.0	2.172	2.965	13.4	21.7

309460 2007 VC 1 15.2 71.°03 1.°0/15.5 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 13	8 12.74	+17 32.6	1.497	2.330	16.1	21.2
12 23	8 6.81	+17 47.8	1.441	2.347	11.9	21.0
1 2	7 58.16	+18 12.6	1.408	2.365	7.1	20.7
1 12	7 47.85	+18 43.0	1.401	2.382	2.1	20.5
1 22	7 37.24	+19 14.7	1.422	2.399	3.5	20.6
2 1	7 27.75	+19 43.9	1.470	2.417	8.3	20.9
2 11	7 20.57	+20 8.3	1.544	2.434	12.6	21.2
2 21	7 16.36	+20 26.9	1.639	2.451	16.2	21.5

156829 2003 BO_{72} 1 15.2 358.°86 15.°2/27.3 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 13	8 5.89	−19 46.6	1.477	2.153	23.1	19.0
12 23	8 2.07	−19 43.5	1.400	2.149	21.2	18.8
1 2	7 55.58	−18 53.7	1.337	2.147	18.9	18.7
1 12	7 47.27	−17 10.5	1.292	2.146	16.8	18.5
1 22	7 38.35	−14 33.4	1.267	2.146	15.5	18.4
2 1	7 30.20	−11 9.7	1.267	2.147	15.4	18.4
2 11	7 24.12	− 7 15.1	1.291	2.149	16.8	18.5
2 21	7 20.91	− 3 8.7	1.340	2.153	19.1	18.7

321548 2009 SV_{283} 1 15.2 151.°96 0.°9/15.6 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 13	8 9.78	+16 46.8	2.164	2.980	12.4	21.6
12 23	8 4.10	+17 9.3	2.087	2.985	9.2	21.4
1 2	7 56.42	+17 39.6	2.037	2.990	5.6	21.2
1 12	7 47.44	+18 15.0	2.014	2.995	1.7	20.9
1 22	7 38.09	+18 52.1	2.022	2.999	2.7	21.0
2 1	7 29.38	+19 27.9	2.060	3.003	6.6	21.3
2 11	7 22.22	+20 0.0	2.125	3.007	10.1	21.5
2 21	7 17.22	+20 27.1	2.215	3.010	13.1	21.7

44807 1999 TP_{217} 1 15.2 178.°76 1.°8/15.9 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 13	8 14.33	+15 1.9	1.732	2.548	15.1	19.6
12 23	8 7.90	+15 17.1	1.654	2.551	11.3	19.3
1 2	7 58.87	+15 43.6	1.600	2.552	7.0	19.1
1 12	7 48.09	+16 18.4	1.574	2.553	2.6	18.8
1 22	7 36.77	+16 57.6	1.576	2.553	3.5	18.9
2 1	7 26.24	+17 37.2	1.608	2.552	8.0	19.1
2 11	7 17.73	+18 13.9	1.666	2.550	12.2	19.4
2 21	7 12.00	+18 46.0	1.747	2.548	15.8	19.6

175925 2000 DU_{40} 1 15.2 357.°55 0.°9/14.9 16

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 13	8 8.73	+22 34.2	1.215	2.074	17.4	20.2
12 23	8 4.67	+22 41.6	1.149	2.069	12.9	19.9
1 2	7 57.31	+22 54.2	1.103	2.066	7.6	19.6
1 12	7 47.75	+23 7.3	1.082	2.064	2.0	19.3
1 22	7 37.55	+23 16.5	1.086	2.063	4.3	19.4
2 1	7 28.52	+23 18.7	1.114	2.064	9.9	19.8
2 11	7 22.17	+23 13.2	1.165	2.066	14.9	20.0
2 21	7 19.33	+23 0.9	1.236	2.069	19.1	20.3

74311 1998 TX_{37} 1 15.2 26.°75 4.°2/16.8 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 13	8 8.91	+10 26.7	1.486	2.309	16.8	19.1
12 23	8 4.12	+10 18.6	1.419	2.314	13.0	18.8
1 2	7 56.69	+10 27.0	1.374	2.319	8.7	18.6
1 12	7 47.56	+10 51.1	1.353	2.325	4.9	18.4
1 22	7 37.97	+11 27.9	1.359	2.330	5.0	18.4
2 1	7 29.27	+12 13.1	1.392	2.337	8.8	18.7
2 11	7 22.67	+13 1.6	1.449	2.344	13.0	18.9
2 21	7 18.91	+13 49.1	1.528	2.351	16.6	19.2

174006 2001 YT_7 1 15.2 11.°22 1.°5/15.7 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 13	8 8.67	+17 23.6	2.188	3.007	12.2	19.6
12 23	8 3.24	+17 3.9	2.110	3.008	9.1	19.4
1 2	7 55.89	+16 49.6	2.057	3.010	5.6	19.2
1 12	7 47.34	+16 39.4	2.032	3.011	2.1	19.0
1 22	7 38.47	+16 32.3	2.037	3.013	2.9	19.0
2 1	7 30.26	+16 27.0	2.071	3.015	6.5	19.3
2 11	7 23.58	+16 22.7	2.133	3.017	9.9	19.5
2 21	7 18.99	+16 18.4	2.218	3.019	12.9	19.7

6644 Jugaku 1 15.2 94.°66 2.°3/14.1 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 13	8 9.78	+27 18.4	2.439	3.264	10.9	18.0
12 23	8 3.95	+27 51.7	2.375	3.278	8.0	17.8
1 2	7 56.25	+28 24.4	2.337	3.292	4.9	17.6
1 12	7 47.42	+28 52.6	2.329	3.305	2.4	17.5
1 22	7 38.34	+29 13.2	2.350	3.319	3.6	17.6
2 1	7 29.95	+29 24.3	2.402	3.332	6.6	17.8
2 11	7 23.08	+29 26.1	2.481	3.345	9.5	18.0
2 21	7 18.28	+29 19.6	2.584	3.358	12.0	18.2

453794 2011 QF_{65} 1 15.2 88.°46 2.°0/14.6 17

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 13	8 17.57	+24 50.2	1.603	2.435	15.3	22.2
12 23	8 10.19	+25 19.3	1.555	2.462	11.2	22.0
1 2	8 0.07	+25 49.6	1.531	2.488	6.6	21.8
1 12	7 48.36	+26 15.3	1.534	2.514	2.4	21.6
1 22	7 36.50	+26 32.0	1.566	2.539	4.1	21.8
2 1	7 25.95	+26 38.0	1.627	2.564	8.5	22.1
2 11	7 17.88	+26 33.8	1.713	2.589	12.4	22.4
2 21	7 12.87	+26 21.6	1.821	2.612	15.6	22.6

205899 2002 GA_{66} 1 15.2 195.°60 2.°4/16.2 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 13	8 11.77	+13 36.5	1.956	2.766	13.8	21.2
12 23	8 5.80	+13 40.5	1.872	2.764	10.5	20.9
1 2	7 57.55	+13 55.0	1.813	2.761	6.7	20.7
1 12	7 47.79	+14 18.5	1.782	2.758	3.0	20.5
1 22	7 37.54	+14 48.3	1.780	2.755	3.5	20.5
2 1	7 27.93	+15 21.1	1.808	2.751	7.4	20.7
2 11	7 20.04	+15 54.0	1.863	2.746	11.2	20.9
2 21	7 14.55	+16 24.9	1.941	2.741	14.5	21.1

346159 2007 VH_{283} 1 15.2 151.°28 0.°6/14.9 17

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 13	8 8.21	+22 14.2	2.773	3.591	10.0	22.0
12 23	8 2.62	+22 37.7	2.697	3.597	7.3	21.9
1 2	7 55.43	+23 3.6	2.647	3.603	4.3	21.7
1 12	7 47.24	+23 29.5	2.628	3.609	1.1	21.5
1 22	7 38.77	+23 52.6	2.639	3.615	2.4	21.6
2 1	7 30.83	+24 11.2	2.682	3.620	5.5	21.8
2 11	7 24.12	+24 24.3	2.753	3.624	8.4	22.0
2 21	7 19.16	+24 31.8	2.848	3.629	10.8	22.2

56739 2000 NG_{21} 1 15.2 173.°77 2.°6/16.1 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 13	8 11.55	+13 48.4	2.314	3.116	12.2	18.9
12 23	8 5.25	+13 26.6	2.232	3.119	9.3	18.7
1 2	7 57.05	+13 12.2	2.176	3.121	6.0	18.5
1 12	7 47.65	+13 4.7	2.149	3.123	3.0	18.3
1 22	7 37.93	+13 2.8	2.152	3.124	3.4	18.4
2 1	7 28.83	+13 5.5	2.185	3.124	6.6	18.6
2 11	7 21.20	+13 11.0	2.247	3.124	9.8	18.8
2 21	7 15.62	+13 18.1	2.333	3.124	12.6	19.0

32756 1981 ER_{15} 1 15.2 243.°07 1.°6/15.7 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 13	8 12.94	+16 53.7	1.677	2.502	15.1	19.5
12 23	8 7.07	+16 48.7	1.592	2.493	11.4	19.3
1 2	7 58.50	+16 52.1	1.530	2.484	7.0	19.0
1 12	7 48.08	+17 1.9	1.495	2.475	2.5	18.7
1 22	7 37.02	+17 15.4	1.488	2.465	3.6	18.8
2 1	7 26.71	+17 29.8	1.510	2.455	8.3	19.0
2 11	7 18.42	+17 43.3	1.558	2.445	12.7	19.3
2 21	7 12.98	+17 54.4	1.627	2.435	16.5	19.5

344079 1998 RO_8 1 15.2 109.°49 2.°0/14.6 17

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 13	8 19.04	+25 17.6	1.617	2.446	15.3	21.1
12 23	8 11.33	+25 41.0	1.562	2.468	11.3	20.9
1 2	8 0.80	+26 5.0	1.532	2.489	6.7	20.7
1 12	7 48.59	+26 23.9	1.529	2.509	2.4	20.5
1 22	7 36.16	+26 33.6	1.555	2.529	4.2	20.7
2 1	7 25.03	+26 32.5	1.610	2.548	8.6	21.0
2 11	7 16.41	+26 21.7	1.691	2.566	12.6	21.2
2 21	7 10.94	+26 3.5	1.794	2.583	15.9	21.5

146605 2001 TO_{194} 1 15.2 16.°25 9.°3/11.8 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 13	8 14.29	+40 15.5	1.441	2.280	16.4	18.4
12 23	8 8.94	+41 41.3	1.390	2.284	13.2	18.2
1 2	7 59.90	+42 54.7	1.360	2.290	10.5	18.0
1 12	7 48.44	+43 44.3	1.355	2.296	9.3	18.0
1 22	7 36.40	+44 2.8	1.374	2.302	10.5	18.1
2 1	7 25.81	+43 49.1	1.417	2.310	13.2	18.2
2 11	7 18.32	+43 8.0	1.482	2.319	16.2	18.5
2 21	7 14.71	+42 7.3	1.565	2.328	19.0	18.7

314929 2006 WC_{53} 1 15.2 88.°04 0.°7/15.6 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 13	8 11.29	+15 12.8	1.778	2.598	14.5	20.0
12 23	8 5.54	+16 15.2	1.715	2.615	10.8	19.8
1 2	7 57.42	+17 30.0	1.678	2.632	6.4	19.6
1 12	7 47.78	+18 51.9	1.668	2.649	1.8	19.4
1 22	7 37.75	+20 14.5	1.688	2.666	3.1	19.5
2 1	7 28.55	+21 31.7	1.738	2.682	7.5	19.8
2 11	7 21.25	+22 39.4	1.815	2.698	11.4	20.1
2 21	7 16.53	+23 35.7	1.915	2.714	14.7	20.3

55182 2001 QB_{282} 1 15.2 21.°57 9.°8/17.5 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 13	8 11.48	− 1 0.8	1.801	2.561	16.7	17.9
12 23	8 5.65	− 2 39.2	1.727	2.562	14.2	17.7
1 2	7 57.49	− 3 59.2	1.676	2.563	11.7	17.6
1 12	7 47.82	− 4 55.6	1.649	2.564	10.0	17.5
1 22	7 37.67	− 5 25.4	1.648	2.565	10.0	17.5
2 1	7 28.24	− 5 28.9	1.674	2.567	11.5	17.6
2 11	7 20.59	− 5 9.9	1.723	2.568	13.9	17.7
2 21	7 15.41	− 4 34.5	1.792	2.570	16.4	17.9

459653 2013 JB_{61} 1 15.2 268.°15 1.°1/14.8 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 13	8 11.75	+22 13.1	1.712	2.547	14.4	21.9
12 23	8 6.27	+22 43.9	1.628	2.537	10.6	21.7
1 2	7 58.08	+23 20.3	1.568	2.527	6.3	21.4
1 12	7 48.00	+23 57.6	1.535	2.517	1.8	21.1
1 22	7 37.24	+24 30.8	1.531	2.507	3.7	21.2
2 1	7 27.22	+24 56.2	1.555	2.497	8.4	21.4
2 11	7 19.22	+25 12.1	1.604	2.486	12.7	21.7
2 21	7 14.10	+25 19.0	1.675	2.476	16.4	21.9

121018 1999 BC_6 1 15.2 0.°11 5.°0/17.1 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 13	8 5.77	+ 9 14.7	1.092	1.937	20.0	18.7
12 23	8 2.63	+ 9 20.4	1.028	1.934	15.6	18.4
1 2	7 56.23	+ 9 51.0	0.982	1.932	10.6	18.2
1 12	7 47.57	+10 45.5	0.958	1.931	6.0	17.9
1 22	7 38.18	+11 58.6	0.958	1.932	5.9	17.9
2 1	7 29.83	+13 21.9	0.981	1.934	10.5	18.2
2 11	7 24.08	+14 46.4	1.027	1.937	15.5	18.4
2 21	7 21.85	+16 4.7	1.092	1.942	20.0	18.7

318084 2004 GP_{27} 1 15.2 311.°03 0.°1/15.3 17

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 13	8 8.43	+17 28.1	1.493	2.334	15.8	20.8
12 23	8 4.43	+18 16.4	1.390	2.301	11.9	20.4
1 2	7 57.37	+19 20.4	1.310	2.269	7.2	20.1
1 12	7 47.92	+20 35.8	1.255	2.237	1.9	19.7
1 22	7 37.26	+21 55.7	1.227	2.205	3.9	19.7
2 1	7 26.98	+23 12.7	1.226	2.174	9.5	20.0
2 11	7 18.71	+24 20.5	1.250	2.143	14.8	20.2
2 21	7 13.63	+25 16.1	1.294	2.112	19.3	20.4

5597 Warren 1 15.2 177.°39 1.°3/14.7 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 13	8 14.49	+24 3.3	2.130	2.951	12.4	18.1
12 23	8 7.70	+24 24.3	2.052	2.953	9.2	17.9
1 2	7 58.63	+24 47.0	1.999	2.955	5.4	17.7
1 12	7 48.10	+25 7.5	1.975	2.956	1.7	17.4
1 22	7 37.15	+25 22.4	1.982	2.956	3.3	17.6
2 1	7 26.96	+25 29.7	2.019	2.956	7.2	17.8
2 11	7 18.54	+25 29.1	2.084	2.955	10.7	18.0
2 21	7 12.57	+25 21.6	2.172	2.953	13.8	18.2

79633 1998 RM_{73} 1 15.2 39.°91 6.°7/13.7 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 13	8 17.02	+35 24.4	1.324	2.168	17.2	18.4
12 23	8 10.60	+36 5.9	1.279	2.185	13.2	18.2
1 2	8 0.63	+36 37.1	1.256	2.203	9.2	18.0
1 12	7 48.58	+36 49.2	1.258	2.221	6.8	17.9
1 22	7 36.33	+36 37.3	1.285	2.240	8.0	18.1
2 1	7 25.82	+36 2.0	1.337	2.259	11.5	18.3
2 11	7 18.46	+35 8.7	1.413	2.279	15.1	18.6
2 21	7 14.86	+34 4.1	1.508	2.300	18.3	18.8

324604 2006 YJ_8 1 15.2 298.°35 0.°5/15.1 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 13	8 14.32	+23 39.5	1.804	2.633	14.0	19.8
12 23	8 7.86	+23 20.1	1.724	2.630	10.4	19.5
1 2	7 58.83	+23 0.9	1.668	2.626	6.1	19.3
1 12	7 48.15	+22 39.4	1.640	2.622	1.6	19.0
1 22	7 37.05	+22 14.0	1.642	2.619	3.3	19.1
2 1	7 26.86	+21 44.3	1.672	2.615	7.8	19.4
2 11	7 18.73	+21 11.4	1.729	2.612	11.9	19.6
2 21	7 13.37	+20 36.7	1.808	2.608	15.4	19.8

393357 1997 BZ_3 1 15.2 358.°15 1.°1/14.9 17

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 13	8 13.49	+23 16.6	1.172	2.026	18.3	21.2
12 23	8 8.34	+23 20.7	1.106	2.024	13.6	20.9
1 2	7 59.58	+23 28.8	1.061	2.023	8.0	20.6
1 12	7 48.40	+23 35.8	1.041	2.022	2.2	20.3
1 22	7 36.56	+23 37.0	1.045	2.022	4.5	20.4
2 1	7 26.03	+23 30.1	1.074	2.023	10.4	20.7
2 11	7 18.47	+23 15.3	1.126	2.024	15.6	21.0
2 21	7 14.72	+22 54.5	1.197	2.026	20.0	21.3

362076 2009 BC_{94} 1 15.2 283.°58 1.°0/15.6 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 13	8 11.10	+17 31.8	1.582	2.414	15.4	21.6
12 23	8 5.97	+17 44.8	1.494	2.400	11.6	21.3
1 2	7 58.01	+18 7.9	1.429	2.386	7.1	21.0
1 12	7 48.03	+18 37.9	1.391	2.372	2.1	20.6
1 22	7 37.27	+19 10.9	1.380	2.357	3.6	20.7
2 1	7 27.20	+19 42.6	1.396	2.343	8.6	21.0
2 11	7 19.21	+20 10.2	1.438	2.329	13.3	21.2
2 21	7 14.20	+20 32.2	1.501	2.315	17.3	21.4

197772 2004 PG_{45} 1 15.2 108.°91 0.°7/15.6 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 13	8 13.19	+16 30.6	1.591	2.417	15.7	20.8
12 23	8 7.19	+17 11.6	1.527	2.431	11.6	20.6
1 2	7 58.51	+18 4.2	1.488	2.443	6.9	20.3
1 12	7 48.10	+19 3.5	1.475	2.456	2.0	20.0
1 22	7 37.25	+20 3.6	1.490	2.468	3.4	20.2
2 1	7 27.37	+20 59.2	1.535	2.480	8.2	20.5
2 11	7 19.66	+21 46.9	1.605	2.491	12.5	20.8
2 21	7 14.85	+22 25.2	1.697	2.502	16.0	21.0

173033 2006 QX_{44} 1 15.2 124.°64 2.°4/14.2 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 13	8 10.74	+28 45.1	2.490	3.314	10.8	20.5
12 23	8 4.68	+29 4.0	2.418	3.319	8.0	20.3
1 2	7 56.73	+29 21.0	2.372	3.325	4.9	20.1
1 12	7 47.62	+29 32.4	2.355	3.331	2.5	19.9
1 22	7 38.25	+29 35.6	2.369	3.336	3.7	20.0
2 1	7 29.56	+29 29.7	2.413	3.342	6.6	20.2
2 11	7 22.41	+29 15.0	2.484	3.347	9.5	20.4
2 21	7 17.33	+28 53.1	2.579	3.352	12.0	20.6

125755 2001 XY_{127} 1 15.2 306.°20 2.°9/15.9 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 13	8 10.91	+15 5.5	1.376	2.212	17.1	19.9
12 23	8 6.12	+14 48.0	1.292	2.197	13.1	19.6
1 2	7 58.21	+14 42.0	1.229	2.183	8.3	19.3
1 12	7 48.10	+14 46.6	1.191	2.169	3.7	19.0
1 22	7 37.14	+14 59.5	1.179	2.155	4.5	19.0
2 1	7 26.99	+15 17.5	1.194	2.142	9.6	19.3
2 11	7 19.15	+15 37.7	1.232	2.129	14.6	19.5
2 21	7 14.59	+15 57.3	1.290	2.116	18.9	19.7

11132 Horne 1 15.2 311.°09 1.°8/15.9 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 13	8 7.36	+15 34.5	2.147	2.966	12.4	17.5
12 23	8 2.46	+15 30.6	2.058	2.956	9.4	17.2
1 2	7 55.58	+15 34.5	1.994	2.946	5.9	17.0
1 12	7 47.37	+15 44.8	1.958	2.936	2.4	16.8
1 22	7 38.72	+15 59.6	1.951	2.927	3.1	16.8
2 1	7 30.60	+16 16.7	1.974	2.918	6.7	17.0
2 11	7 23.95	+16 34.1	2.023	2.909	10.3	17.2
2 21	7 19.41	+16 50.1	2.096	2.900	13.4	17.4

403060 2008 AW_{137} 1 15.2 68.°80 2.°2/14.5 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 13	8 13.78	+25 40.6	1.617	2.454	14.9	21.3
12 23	8 7.65	+26 4.3	1.555	2.465	11.0	21.1
1 2	7 58.76	+26 28.7	1.518	2.476	6.6	20.9
1 12	7 48.16	+26 48.8	1.507	2.487	2.5	20.6
1 22	7 37.20	+27 0.2	1.524	2.498	4.3	20.8
2 1	7 27.35	+27 0.9	1.569	2.509	8.6	21.1
2 11	7 19.81	+26 51.4	1.640	2.520	12.6	21.3
2 21	7 15.27	+26 33.9	1.732	2.531	16.0	21.6

87617 2000 RB_{48} 1 15.2 125.°94 0.°7/15.0 18 R

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 13	8 13.00	+23 7.4	2.150	2.972	12.3	18.8
12 23	8 6.45	+23 10.9	2.080	2.982	9.0	18.6
1 2	7 57.81	+23 15.9	2.036	2.992	5.3	18.4
1 12	7 47.90	+23 19.6	2.021	3.002	1.4	18.1
1 22	7 37.73	+23 19.7	2.036	3.012	2.9	18.2
2 1	7 28.37	+23 14.9	2.081	3.021	6.7	18.5
2 11	7 20.74	+23 5.1	2.154	3.030	10.2	18.7
2 21	7 15.43	+22 51.1	2.251	3.039	13.1	18.9

459180 2012 DP_{35} 1 15.2 323.°23 1.°6/15.9 16

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 13	8 8.96	+15 23.2	1.643	2.473	15.1	21.7
12 23	8 4.18	+15 43.2	1.563	2.467	11.4	21.4
1 2	7 56.83	+16 15.3	1.507	2.461	7.0	21.2
1 12	7 47.73	+16 56.6	1.476	2.456	2.5	20.9
1 22	7 38.01	+17 43.0	1.474	2.451	3.5	20.9
2 1	7 29.02	+18 29.7	1.499	2.446	8.1	21.2
2 11	7 21.96	+19 13.1	1.549	2.442	12.4	21.4
2 21	7 17.64	+19 50.5	1.622	2.437	16.2	21.7

119007 2000 YT_{75} 1 15.2 312.°29 4.°1/15.9 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 13	8 10.85	+13 33.6	1.708	2.527	15.1	18.3
12 23	8 5.62	+12 37.1	1.607	2.502	11.7	18.0
1 2	7 57.74	+11 47.2	1.530	2.476	7.9	17.8
1 12	7 47.98	+11 5.6	1.479	2.451	4.6	17.5
1 22	7 37.43	+10 33.0	1.456	2.426	5.1	17.5
2 1	7 27.45	+10 9.8	1.461	2.401	9.0	17.6
2 11	7 19.30	+ 9 55.3	1.491	2.377	13.2	17.8
2 21	7 13.88	+ 9 47.6	1.542	2.353	17.1	18.0

467533 2007 RH_{117} 1 15.2 92.°04 3.°2/16.8 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 13	8 7.62	+10 24.3	2.304	3.103	12.3	21.5
12 23	8 2.37	+10 19.2	2.232	3.114	9.5	21.3
1 2	7 55.37	+10 25.1	2.185	3.125	6.4	21.2
1 12	7 47.31	+10 41.0	2.167	3.136	3.7	21.0
1 22	7 38.97	+11 5.1	2.177	3.146	3.8	21.0
2 1	7 31.24	+11 35.1	2.218	3.157	6.4	21.2
2 11	7 24.89	+12 8.0	2.286	3.167	9.4	21.4
2 21	7 20.44	+12 41.4	2.378	3.178	12.1	21.6

279346 2009 YL_{19} 1 15.2 292.°77 2.°0/15.9 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 13	8 9.26	+15 43.1	2.001	2.820	13.2	20.9
12 23	8 3.99	+15 30.1	1.913	2.811	10.0	20.7
1 2	7 56.54	+15 24.6	1.850	2.801	6.3	20.5
1 12	7 47.63	+15 25.7	1.814	2.791	2.7	20.2
1 22	7 38.24	+15 31.5	1.807	2.782	3.3	20.2
2 1	7 29.46	+15 40.3	1.829	2.773	7.2	20.5
2 11	7 22.29	+15 50.2	1.877	2.763	10.9	20.7
2 21	7 17.41	+15 59.7	1.949	2.754	14.2	20.9

70343 1999 RH_{176} 1 15.2 175.°20 2.°4/16.3 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 13	8 12.09	+13 11.9	2.061	2.867	13.4	20.5
12 23	8 5.92	+13 15.5	1.981	2.870	10.1	20.3
1 2	7 57.60	+13 29.4	1.925	2.872	6.5	20.1
1 12	7 47.89	+13 51.9	1.898	2.873	3.0	19.9
1 22	7 37.75	+14 20.6	1.901	2.874	3.5	19.9
2 1	7 28.27	+14 52.5	1.933	2.875	7.0	20.1
2 11	7 20.43	+15 24.7	1.993	2.874	10.6	20.4
2 21	7 14.87	+15 55.2	2.077	2.873	13.8	20.6

304790 2007 NE_5 1 15.2 104.°94 0.°7/14.9 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 13	8 15.01	+21 17.8	1.723	2.550	14.6	21.4
12 23	8 8.30	+21 50.3	1.665	2.570	10.7	21.2
1 2	7 59.05	+22 28.0	1.632	2.589	6.2	21.0
1 12	7 48.24	+23 5.8	1.627	2.608	1.6	20.7
1 22	7 37.13	+23 39.0	1.650	2.627	3.4	20.9
2 1	7 27.08	+24 4.6	1.703	2.644	7.9	21.2
2 11	7 19.18	+24 21.5	1.783	2.662	11.8	21.5
2 21	7 14.10	+24 30.3	1.884	2.678	15.1	21.8

506622 2006 FV_{55} 1 15.2 208.°70 2.°1/13.8 17

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 13	8 5.69	+29 56.2	3.777	4.594	7.6	22.1
12 23	8 0.57	+30 22.5	3.692	4.589	5.6	22.0
1 2	7 54.19	+30 47.2	3.635	4.584	3.6	21.8
1 12	7 47.02	+31 7.8	3.607	4.579	2.1	21.7
1 22	7 39.61	+31 22.3	3.611	4.573	2.9	21.8
2 1	7 32.55	+31 29.7	3.647	4.567	4.9	21.9
2 11	7 26.41	+31 29.8	3.710	4.561	7.0	22.1
2 21	7 21.61	+31 23.0	3.799	4.555	8.8	22.2

46464 6602 *P–L* 1 15.2 81.°81 5.°2/13.8 17

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 13	8 19.18	+30 45.3	1.299	2.143	17.5	19.3
12 23	8 12.24	+31 36.2	1.250	2.160	13.1	19.1
1 2	8 1.70	+32 22.8	1.222	2.176	8.5	18.9
1 12	7 48.92	+32 55.6	1.220	2.192	5.3	18.8
1 22	7 35.80	+33 8.4	1.244	2.207	6.9	18.9
2 1	7 24.31	+32 59.5	1.294	2.223	11.1	19.2
2 11	7 15.99	+32 32.6	1.367	2.239	15.2	19.5
2 21	7 11.51	+31 53.4	1.460	2.254	18.7	19.7

200140 1997 WH_{22} 1 15.2 55.°59 3.°6/16.5 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 13	8 12.43	+11 56.8	1.875	2.682	14.5	19.3
12 23	8 5.92	+11 23.5	1.830	2.716	11.0	19.2
1 2	7 57.40	+11 1.1	1.808	2.750	7.2	19.0
1 12	7 47.79	+10 49.4	1.814	2.784	4.1	18.9
1 22	7 38.15	+10 47.2	1.849	2.818	4.3	19.0
2 1	7 29.51	+10 52.6	1.913	2.852	7.3	19.2
2 11	7 22.73	+11 3.2	2.004	2.886	10.6	19.5
2 21	7 18.28	+11 16.5	2.118	2.919	13.4	19.7

110043 2001 SA_{83} 1 15.2 14.°46 6.°6/17.9 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 13	8 6.11	+ 5 44.0	1.325	2.145	18.6	18.8
12 23	8 2.31	+ 5 27.8	1.263	2.150	14.8	18.6
1 2	7 55.78	+ 5 35.0	1.220	2.156	10.7	18.4
1 12	7 47.48	+ 6 6.1	1.201	2.163	7.3	18.2
1 22	7 38.69	+ 6 58.5	1.206	2.171	6.9	18.2
2 1	7 30.84	+ 8 6.1	1.237	2.180	10.0	18.4
2 11	7 25.18	+ 9 21.4	1.291	2.190	13.9	18.7
2 21	7 22.45	+10 37.1	1.365	2.201	17.5	18.9

407766 2011 WB_{82} 1 15.2 290.°46 0.°7/15.5 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 13	8 10.96	+18 13.6	1.565	2.399	15.5	21.4
12 23	8 5.88	+18 30.1	1.481	2.388	11.6	21.2
1 2	7 57.96	+18 56.1	1.420	2.377	7.0	20.9
1 12	7 48.06	+19 28.3	1.385	2.366	2.0	20.5
1 22	7 37.42	+20 2.2	1.378	2.355	3.5	20.6
2 1	7 27.53	+20 33.7	1.398	2.345	8.6	20.9
2 11	7 19.75	+21 0.0	1.443	2.334	13.3	21.1
2 21	7 14.95	+21 19.9	1.509	2.324	17.2	21.3

76954 2001 BJ_{28} 1 15.2 272.°80 0.°2/15.3 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 13	8 11.52	+19 13.9	1.690	2.521	14.7	19.6
12 23	8 6.18	+19 34.0	1.600	2.507	11.0	19.3
1 2	7 58.10	+20 2.2	1.535	2.492	6.6	19.0
1 12	7 48.10	+20 35.1	1.496	2.477	1.7	18.7
1 22	7 37.34	+21 8.1	1.485	2.462	3.4	18.7
2 1	7 27.24	+21 37.5	1.503	2.448	8.3	19.0
2 11	7 19.11	+22 0.8	1.546	2.432	12.8	19.2
2 21	7 13.84	+22 17.3	1.611	2.417	16.7	19.4

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
243780	2000 SC_{20}		1 15.2	146.°41	1.°6/15.8	18
	h m	° ′			°	m
12 13	8 14.81	+16 27.7	1.986	2.797	13.6	21.1
12 23	8 7.88	+16 22.1	1.914	2.808	10.2	20.9
1 2	7 58.72	+16 23.5	1.868	2.819	6.2	20.7
1 12	7 48.18	+16 30.2	1.850	2.829	2.3	20.5
1 22	7 37.31	+16 39.9	1.862	2.838	3.2	20.5
2 1	7 27.28	+16 50.5	1.904	2.846	7.1	20.8
2 11	7 19.07	+17 0.5	1.974	2.854	10.8	21.0
2 21	7 13.32	+17 9.0	2.068	2.861	13.9	21.3
378485	2007 TV_{157}		1 15.2	26.°21	1.°7/14.7	18
12 13	8 9.48	+24 56.1	1.652	2.496	14.4	20.2
12 23	8 4.37	+25 13.0	1.597	2.510	10.5	20.0
1 2	7 56.78	+25 31.1	1.566	2.525	6.2	19.8
1 12	7 47.69	+25 46.3	1.560	2.541	2.2	19.5
1 22	7 38.35	+25 54.9	1.583	2.558	3.9	19.7
2 1	7 30.04	+25 55.1	1.633	2.575	8.0	20.0
2 11	7 23.85	+25 47.0	1.708	2.593	11.9	20.3
2 21	7 20.37	+25 32.0	1.805	2.612	15.1	20.5
283320	1994 SB_{12}		1 15.2	139.°88	2.°6/16.3	18
12 13	8 13.44	+13 10.9	1.707	2.521	15.3	21.8
12 23	8 7.21	+13 19.0	1.637	2.531	11.6	21.6
1 2	7 58.48	+13 39.7	1.591	2.540	7.4	21.4
1 12	7 48.14	+14 10.7	1.572	2.548	3.3	21.1
1 22	7 37.37	+14 48.4	1.581	2.556	3.8	21.2
2 1	7 27.47	+15 29.0	1.620	2.563	7.9	21.5
2 11	7 19.58	+16 8.8	1.684	2.570	12.0	21.7
2 21	7 14.39	+16 45.3	1.772	2.577	15.4	21.9
281325	2007 TZ_{186}		1 15.2	61.°57	8.°3/19.9	18
12 13	8 5.93	− 5 1.0	2.252	2.986	14.6	20.7
12 23	8 1.21	− 5 33.0	2.180	2.993	12.4	20.5
1 2	7 54.75	− 5 44.2	2.129	3.001	10.3	20.4
1 12	7 47.19	− 5 32.5	2.103	3.009	8.7	20.3
1 22	7 39.33	− 4 58.2	2.103	3.017	8.3	20.3
2 1	7 32.01	− 4 4.1	2.129	3.025	9.3	20.4
2 11	7 26.04	− 2 54.9	2.181	3.033	11.1	20.5
2 21	7 21.94	− 1 36.8	2.257	3.041	13.2	20.7
389604	2011 HG_9		1 15.2	176.°59	3.°1/16.4	18
12 13	8 12.93	+12 7.3	1.503	2.323	16.8	21.5
12 23	8 7.24	+12 19.2	1.428	2.324	12.8	21.3
1 2	7 58.70	+12 47.1	1.376	2.325	8.3	21.0
1 12	7 48.23	+13 28.7	1.350	2.326	3.9	20.7
1 22	7 37.14	+14 19.8	1.351	2.326	4.3	20.8
2 1	7 26.92	+15 15.0	1.380	2.326	8.8	21.0
2 11	7 18.89	+16 9.5	1.434	2.325	13.3	21.3
2 21	7 13.89	+16 59.4	1.510	2.324	17.2	21.5
92916	2000 RW_{14}		1 15.2	94.°03	4.°1/16.6	18
12 13	8 13.52	+11 26.3	1.576	2.390	16.4	19.4
12 23	8 7.29	+11 2.6	1.514	2.405	12.6	19.2
1 2	7 58.50	+10 52.4	1.475	2.419	8.4	18.9
1 12	7 48.13	+10 55.4	1.463	2.434	4.7	18.8
1 22	7 37.44	+11 9.5	1.478	2.448	4.9	18.8
2 1	7 27.77	+11 31.8	1.520	2.462	8.6	19.1
2 11	7 20.26	+11 58.8	1.589	2.476	12.5	19.3
2 21	7 15.55	+12 27.1	1.679	2.489	15.9	19.6
427256	2014 WQ_{117}		1 15.2	97.°06	7.°1/11.5	18
12 13	8 16.46	+38 49.8	2.040	2.858	13.0	21.2
12 23	8 9.62	+40 24.4	1.991	2.876	10.3	21.0
1 2	7 59.98	+41 49.8	1.968	2.893	8.0	20.9
1 12	7 48.52	+42 57.5	1.973	2.910	7.1	20.9
1 22	7 36.59	+43 41.5	2.005	2.927	8.2	21.0
2 1	7 25.67	+44 0.0	2.065	2.943	10.4	21.2
2 11	7 17.03	+43 55.5	2.149	2.960	12.8	21.4
2 21	7 11.41	+43 33.2	2.254	2.975	15.0	21.6
691	Lehigh		1 15.2	67.°16	2.°8/13.7	18
12 13	8 10.08	+26 10.8	2.041	2.873	12.5	13.9
12 23	8 4.61	+27 18.8	1.978	2.885	9.1	13.7
1 2	7 56.90	+28 28.5	1.942	2.897	5.6	13.5
1 12	7 47.75	+29 34.0	1.933	2.909	2.9	13.4
1 22	7 38.19	+30 29.7	1.955	2.922	4.4	13.5
2 1	7 29.38	+31 12.0	2.005	2.934	7.8	13.7
2 11	7 22.33	+31 40.1	2.082	2.946	11.1	13.9
2 21	7 17.71	+31 55.1	2.182	2.958	13.8	14.1
53147	1999 BB_{14}		1 15.2	266.°92	8.°1/11.4	18
12 13	8 18.85	+42 40.5	2.101	2.907	13.1	18.7
12 23	8 11.80	+43 48.4	2.013	2.886	10.8	18.5
1 2	8 1.54	+44 46.1	1.950	2.864	8.8	18.3
1 12	7 48.98	+45 24.6	1.914	2.841	8.1	18.2
1 22	7 35.55	+45 37.4	1.905	2.818	9.1	18.3
2 1	7 22.94	+45 22.4	1.922	2.794	11.4	18.4
2 11	7 12.71	+44 42.5	1.964	2.770	14.0	18.5
2 21	7 5.81	+43 43.7	2.026	2.746	16.5	18.6

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
2446	Lunacharsky		1 15.3	206.°32	1.°9/14.5	18 R
	h m	° ′			°	m
12 13	8 14.78	+24 41.8	1.894	2.721	13.5	17.4
12 23	8 8.30	+25 14.8	1.812	2.716	10.0	17.2
1 2	7 59.21	+25 50.4	1.755	2.711	6.0	17.0
1 12	7 48.36	+26 23.4	1.725	2.705	2.2	16.7
1 22	7 36.91	+26 49.1	1.726	2.699	3.9	16.8
2 1	7 26.22	+27 4.6	1.756	2.692	8.1	17.0
2 11	7 17.51	+27 9.5	1.812	2.684	12.0	17.3
2 21	7 11.55	+27 5.0	1.891	2.676	15.4	17.5
451046	2008 YR_{12}		1 15.3	318.°37	3.°0/14.2	17
12 13	8 10.41	+24 33.3	1.288	2.143	16.9	21.2
12 23	8 6.22	+25 27.4	1.208	2.126	12.6	20.9
1 2	7 58.53	+26 28.7	1.149	2.110	7.7	20.6
1 12	7 48.28	+27 29.4	1.115	2.095	3.3	20.3
1 22	7 36.98	+28 21.0	1.107	2.080	5.6	20.4
2 1	7 26.55	+28 57.1	1.124	2.065	10.9	20.6
2 11	7 18.75	+29 15.9	1.163	2.052	15.9	20.9
2 21	7 14.69	+29 18.9	1.221	2.039	20.3	21.1
239408	2007 TF_{50}		1 15.3	196.°57	4.°4/13.1	18
12 13	8 11.55	+33 44.7	2.368	3.192	11.3	20.6
12 23	8 5.58	+34 29.3	2.295	3.191	8.6	20.4
1 2	7 57.43	+35 9.4	2.247	3.190	5.9	20.2
1 12	7 47.88	+35 39.7	2.228	3.190	4.4	20.1
1 22	7 37.93	+35 56.3	2.238	3.189	5.4	20.2
2 1	7 28.69	+35 57.7	2.277	3.188	8.0	20.4
2 11	7 21.14	+35 44.8	2.342	3.187	10.7	20.5
2 21	7 15.93	+35 20.2	2.430	3.186	13.2	20.7
379016	2008 VZ_4		1 15.3	276.°12	17.°2/16.3	18
12 13	8 15.74	− 6 1.3	1.168	1.934	23.7	20.0
12 23	8 10.05	− 8 56.5	1.100	1.926	21.1	19.8
1 2	8 0.76	−11 26.1	1.051	1.918	18.8	19.6
1 12	7 48.83	−13 16.2	1.021	1.910	17.3	19.5
1 22	7 35.85	−14 17.1	1.012	1.902	17.4	19.4
2 1	7 23.76	−14 25.9	1.024	1.894	19.1	19.5
2 11	7 14.34	−13 49.3	1.053	1.886	21.6	19.6
2 21	7 8.70	−12 39.3	1.097	1.878	24.4	19.8
46976	1998 SE_{140}		1 15.3	116.°27	4.°9/13.6	18
12 13	8 16.69	+33 6.5	1.833	2.662	13.8	18.8
12 23	8 9.72	+33 48.2	1.772	2.672	10.5	18.6
1 2	7 59.99	+34 24.1	1.735	2.681	7.1	18.5
1 12	7 48.52	+34 47.5	1.725	2.691	4.9	18.3
1 22	7 36.70	+34 54.0	1.744	2.700	6.1	18.4
2 1	7 26.00	+34 42.3	1.791	2.709	9.3	18.6
2 11	7 17.63	+34 15.0	1.863	2.718	12.6	18.9
2 21	7 12.28	+33 36.1	1.957	2.726	15.5	19.1
327907	2007 CQ_{58}		1 15.3	278.°95	1.°1/14.7	18
12 13	8 9.74	+20 12.5	1.895	2.725	13.4	20.0
12 23	8 4.69	+21 18.8	1.806	2.713	9.9	19.8
1 2	7 57.17	+22 34.7	1.742	2.701	5.8	19.5
1 12	7 47.88	+23 54.7	1.707	2.689	1.6	19.2
1 22	7 37.86	+25 12.3	1.701	2.676	3.6	19.3
2 1	7 28.37	+26 21.6	1.725	2.664	8.0	19.6
2 11	7 20.59	+27 19.1	1.775	2.652	12.0	19.8
2 21	7 15.38	+28 3.7	1.848	2.640	15.4	20.0
455778	2005 PR_{14}		1 15.3	200.°85	3.°6/13.8	17
12 13	8 15.07	+31 3.6	2.244	3.065	11.9	22.1
12 23	8 8.22	+31 37.3	2.163	3.061	8.9	21.9
1 2	7 59.03	+32 7.7	2.108	3.057	5.8	21.7
1 12	7 48.30	+32 29.8	2.082	3.052	3.6	21.6
1 22	7 37.11	+32 39.6	2.086	3.047	4.8	21.6
2 1	7 26.65	+32 35.5	2.119	3.041	7.9	21.8
2 11	7 18.02	+32 18.5	2.180	3.034	11.0	22.0
2 21	7 11.89	+31 51.3	2.264	3.027	13.8	22.2
311603	2006 KD_{121}		1 15.3	167.°81	5.°3/13.1	18
12 13	8 18.88	+36 39.5	2.314	3.124	11.9	20.5
12 23	8 10.99	+37 24.6	2.245	3.130	9.3	20.4
1 2	8 0.62	+38 2.1	2.201	3.135	6.7	20.2
1 12	7 48.69	+38 25.8	2.186	3.140	5.3	20.1
1 22	7 36.38	+38 31.7	2.201	3.143	6.2	20.2
2 1	7 24.99	+38 19.0	2.246	3.146	8.7	20.3
2 11	7 15.64	+37 49.8	2.317	3.148	11.3	20.5
2 21	7 9.00	+37 8.5	2.411	3.149	13.7	20.7
272105	2005 JW_{49}		1 15.3	161.°71	0.°9/15.6	18
12 13	8 15.79	+17 10.5	1.757	2.574	14.8	21.8
12 23	8 8.98	+17 30.8	1.683	2.582	11.0	21.6
1 2	7 59.57	+18 0.0	1.634	2.588	6.6	21.3
1 12	7 48.45	+18 34.8	1.613	2.594	2.0	21.0
1 22	7 36.86	+19 10.7	1.622	2.599	3.3	21.1
2 1	7 26.14	+19 44.1	1.660	2.603	7.9	21.4
2 11	7 17.47	+20 12.6	1.724	2.606	12.0	21.7
2 21	7 11.60	+20 35.3	1.812	2.608	15.5	21.9

154168 2002 GH_{67} 1 15.3 75.°79 7.°1/12.3 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 13	8 18.35	+40 3.8	2.039	2.852	13.2	18.9
12 23	8 10.78	+41 18.4	2.002	2.883	10.5	18.8
1 2	8 0.51	+42 21.3	1.991	2.913	8.1	18.7
1 12	7 48.64	+43 4.9	2.007	2.944	7.1	18.7
1 22	7 36.59	+43 24.9	2.051	2.973	8.0	18.8
2 1	7 25.79	+43 21.1	2.122	3.003	10.0	19.0
2 11	7 17.40	+42 57.0	2.218	3.031	12.4	19.2
2 21	7 12.02	+42 17.9	2.334	3.060	14.4	19.4

35100 1991 NK 1 15.3 204.°62 4.°7/17.2 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 13	8 10.01	+ 6 9.7	2.524	3.298	12.1	19.7
12 23	8 4.10	+ 5 41.8	2.432	3.293	9.7	19.6
1 2	7 56.45	+ 5 25.4	2.365	3.286	7.1	19.4
1 12	7 47.66	+ 5 21.4	2.326	3.280	5.0	19.2
1 22	7 38.48	+ 5 29.1	2.317	3.272	5.0	19.2
2 1	7 29.75	+ 5 47.3	2.339	3.264	7.0	19.3
2 11	7 22.27	+ 6 13.3	2.388	3.255	9.7	19.5
2 21	7 16.60	+ 6 44.3	2.462	3.246	12.2	19.6

44480 1998 WU_{9} 1 15.3 153.°64 1.°5/14.7 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 13	8 15.92	+25 47.1	2.316	3.131	11.7	19.4
12 23	8 8.52	+25 55.1	2.243	3.141	8.6	19.2
1 2	7 59.04	+26 2.3	2.196	3.151	5.1	19.0
1 12	7 48.30	+26 5.4	2.179	3.159	1.8	18.8
1 22	7 37.29	+26 2.1	2.194	3.167	3.2	18.9
2 1	7 27.09	+25 51.5	2.239	3.174	6.7	19.2
2 11	7 18.62	+25 34.0	2.313	3.180	10.0	19.4
2 21	7 12.47	+25 11.3	2.411	3.186	12.7	19.6

79489 1998 FP_{34} 1 15.3 268.°10 8.°8/20.5 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 13	8 5.40	−10 7.1	2.693	3.382	13.4	19.6
12 23	8 0.76	−10 38.0	2.593	3.365	11.9	19.4
1 2	7 54.52	−10 48.8	2.514	3.347	10.3	19.3
1 12	7 47.20	−10 36.8	2.459	3.330	9.2	19.2
1 22	7 39.44	−10 1.2	2.430	3.312	8.8	19.1
2 1	7 32.01	− 9 3.5	2.427	3.294	9.5	19.1
2 11	7 25.63	− 7 47.7	2.450	3.275	10.9	19.2
2 21	7 20.88	− 6 19.3	2.496	3.257	12.7	19.3

101977 1999 RA_{52} 1 15.3 142.°45 1.°1/14.9 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 13	8 17.56	+22 34.2	1.615	2.444	15.4	19.7
12 23	8 10.47	+22 58.9	1.550	2.455	11.3	19.5
1 2	8 0.51	+23 27.7	1.508	2.465	6.7	19.3
1 12	7 48.71	+23 55.4	1.493	2.475	1.9	19.0
1 22	7 36.48	+24 17.2	1.508	2.484	3.8	19.1
2 1	7 25.35	+24 30.4	1.551	2.492	8.5	19.4
2 11	7 16.59	+24 34.6	1.620	2.499	12.8	19.7
2 21	7 10.95	+24 31.1	1.711	2.506	16.3	19.9

423473 2005 SN_{236} 1 15.3 73.°75 0.°4/15.4 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 13	8 11.97	+19 17.7	1.779	2.607	14.2	21.4
12 23	8 6.01	+19 26.5	1.719	2.623	10.5	21.2
1 2	7 57.71	+19 41.4	1.683	2.640	6.2	21.0
1 12	7 47.98	+19 59.2	1.675	2.656	1.6	20.8
1 22	7 37.99	+20 16.8	1.695	2.672	3.1	20.9
2 1	7 28.95	+20 31.7	1.744	2.689	7.4	21.2
2 11	7 21.88	+20 42.4	1.819	2.705	11.3	21.5
2 21	7 17.39	+20 48.7	1.918	2.721	14.5	21.7

412335 2013 KH_{18} 1 15.3 223.°35 5.°0/17.4 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 13	8 9.87	+ 6 27.8	2.045	2.833	14.1	21.6
12 23	8 4.41	+ 6 14.4	1.956	2.825	11.2	21.4
1 2	7 56.83	+ 6 16.2	1.890	2.818	8.1	21.2
1 12	7 47.81	+ 6 33.4	1.850	2.809	5.5	21.0
1 22	7 38.28	+ 7 4.7	1.840	2.801	5.4	21.0
2 1	7 29.28	+ 7 47.4	1.858	2.792	7.9	21.1
2 11	7 21.79	+ 8 37.2	1.904	2.783	11.2	21.3
2 21	7 16.52	+ 9 29.9	1.972	2.773	14.3	21.5

320857 2008 FW_{115} 1 15.3 48.°21 0.°6/15.0 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 13	8 10.90	+20 44.8	1.626	2.463	14.9	20.8
12 23	8 5.58	+21 16.0	1.560	2.470	11.0	20.6
1 2	7 57.65	+21 54.0	1.518	2.477	6.4	20.4
1 12	7 48.02	+22 33.9	1.502	2.484	1.6	20.1
1 22	7 37.94	+23 10.9	1.515	2.492	3.5	20.2
2 1	7 28.79	+23 41.2	1.555	2.500	8.2	20.5
2 11	7 21.74	+24 2.8	1.621	2.508	12.3	20.8
2 21	7 17.52	+24 15.9	1.709	2.516	15.8	21.0

159535 2001 HA_{57} 1 15.3 330.°23 0.°8/15.7 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 13	8 7.62	+15 3.3	1.873	2.697	13.8	19.5
12 23	8 3.04	+16 2.5	1.789	2.691	10.3	19.3
1 2	7 56.15	+17 15.5	1.730	2.685	6.2	19.0
1 12	7 47.67	+18 37.8	1.698	2.679	1.9	18.7
1 22	7 38.57	+20 3.6	1.696	2.674	3.0	18.8
2 1	7 30.04	+21 26.5	1.723	2.669	7.4	19.0
2 11	7 23.15	+22 41.7	1.777	2.664	11.4	19.3
2 21	7 18.68	+23 46.3	1.855	2.659	14.9	19.5

190737 2001 PD_{51} 1 15.3 125.°81 3.°4/16.3 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 13	8 16.80	+12 37.5	1.852	2.653	14.8	21.3
12 23	8 9.35	+12 11.8	1.788	2.673	11.3	21.1
1 2	7 59.61	+11 56.3	1.749	2.692	7.4	20.9
1 12	7 48.48	+11 50.5	1.737	2.709	3.9	20.7
1 22	7 37.11	+11 52.9	1.756	2.727	4.3	20.8
2 1	7 26.71	+12 1.5	1.804	2.743	7.7	21.0
2 11	7 18.29	+12 14.2	1.880	2.758	11.3	21.3
2 21	7 12.46	+12 28.7	1.979	2.772	14.5	21.5

364436 2006 WC_{182} 1 15.3 127.°48 0.°8/15.6 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 13	8 12.69	+17 33.1	2.196	3.008	12.4	22.4
12 23	8 6.18	+17 45.6	2.130	3.025	9.2	22.3
1 2	7 57.69	+18 4.4	2.088	3.041	5.5	22.1
1 12	7 48.00	+18 27.0	2.076	3.057	1.7	21.8
1 22	7 38.05	+18 50.4	2.095	3.072	2.7	21.9
2 1	7 28.85	+19 12.3	2.144	3.086	6.4	22.2
2 11	7 21.28	+19 31.2	2.221	3.100	9.8	22.4
2 21	7 15.90	+19 46.2	2.322	3.112	12.7	22.6

455247 2001 SL_{323} 1 15.3 81.°45 6.°3/13.6 17

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 13	8 22.20	+38 15.8	1.873	2.688	14.2	20.9
12 23	8 13.51	+38 53.3	1.832	2.718	11.0	20.8
1 2	8 2.04	+39 19.1	1.816	2.749	8.0	20.7
1 12	7 49.05	+39 26.4	1.827	2.779	6.3	20.6
1 22	7 36.09	+39 12.1	1.867	2.808	7.2	20.7
2 1	7 24.66	+38 37.1	1.935	2.837	9.7	20.9
2 11	7 15.88	+37 46.2	2.028	2.865	12.4	21.2
2 21	7 10.30	+36 45.1	2.144	2.893	14.9	21.4

138699 2000 SL_{77} 1 15.3 23.°83 0.°2/15.2 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 13	8 8.10	+21 7.0	1.728	2.567	14.1	19.2
12 23	8 3.28	+21 15.4	1.670	2.580	10.3	19.0
1 2	7 56.15	+21 28.5	1.635	2.594	6.0	18.8
1 12	7 47.63	+21 43.1	1.628	2.609	1.5	18.5
1 22	7 38.85	+21 56.1	1.648	2.625	3.1	18.7
2 1	7 30.98	+22 5.1	1.696	2.642	7.4	19.0
2 11	7 25.04	+22 9.3	1.770	2.660	11.3	19.3
2 21	7 21.62	+22 8.4	1.866	2.678	14.5	19.5

110042 2001 SL_{82} 1 15.3 35.°55 4.°5/17.5 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 13	8 6.52	+ 7 3.0	2.124	2.918	13.4	19.9
12 23	8 1.79	+ 6 56.1	2.048	2.922	10.6	19.8
1 2	7 55.19	+ 7 3.6	1.996	2.926	7.5	19.6
1 12	7 47.41	+ 7 25.3	1.970	2.931	5.0	19.4
1 22	7 39.28	+ 7 59.4	1.973	2.936	4.8	19.4
2 1	7 31.73	+ 8 42.9	2.005	2.941	7.2	19.6
2 11	7 25.61	+ 9 31.8	2.063	2.946	10.2	19.8
2 21	7 21.50	+10 22.3	2.145	2.952	13.1	20.0

394810 2008 RB_{137} 1 15.3 207.°98 2.°0/14.6 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 13	8 16.21	+24 54.4	1.679	2.510	14.8	22.0
12 23	8 9.65	+25 19.5	1.600	2.506	11.0	21.8
1 2	8 0.17	+25 46.8	1.545	2.502	6.6	21.5
1 12	7 48.70	+26 10.8	1.517	2.497	2.4	21.3
1 22	7 36.61	+26 26.7	1.518	2.491	4.2	21.4
2 1	7 25.42	+26 31.9	1.547	2.485	8.8	21.6
2 11	7 16.50	+26 26.5	1.602	2.479	13.0	21.9
2 21	7 10.66	+26 12.4	1.679	2.472	16.7	22.1

117582 2005 ED_{39} 1 15.3 231.°47 5.°6/17.6 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 13	8 10.21	+ 5 25.3	1.909	2.696	15.0	20.4
12 23	8 4.82	+ 5 9.1	1.820	2.688	12.0	20.2
1 2	7 57.16	+ 5 9.7	1.754	2.679	8.8	20.0
1 12	7 47.94	+ 5 28.0	1.714	2.670	6.1	19.8
1 22	7 38.15	+ 6 2.8	1.702	2.661	6.0	19.7
2 1	7 28.92	+ 6 50.8	1.718	2.651	8.5	19.9
2 11	7 21.30	+ 7 47.4	1.761	2.640	11.9	20.1
2 21	7 16.03	+ 8 47.6	1.826	2.630	15.1	20.2

82248 2001 KM_{1} 1 15.3 170.°13 1.°4/15.7 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 13	8 15.75	+17 10.8	1.871	2.685	14.2	19.1
12 23	8 8.83	+17 7.3	1.794	2.690	10.6	18.9
1 2	7 59.46	+17 10.9	1.742	2.694	6.5	18.7
1 12	7 48.50	+17 19.3	1.717	2.697	2.2	18.4
1 22	7 37.11	+17 30.1	1.723	2.700	3.2	18.5
2 1	7 26.54	+17 41.0	1.759	2.701	7.5	18.7
2 11	7 17.91	+17 50.5	1.821	2.702	11.5	19.0
2 21	7 11.92	+17 57.7	1.907	2.702	14.9	19.2

442732 2012 VJ_{92} 1 15.3 37.°26 3.°2/14.1 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 13	8 12.50	+23 55.8	1.136	1.994	18.4	20.1
12 23	8 7.70	+25 6.3	1.084	2.004	13.6	19.9
1 2	7 59.29	+26 23.6	1.054	2.015	8.1	19.6
1 12	7 48.51	+27 37.7	1.047	2.027	3.4	19.4
1 22	7 37.13	+28 39.0	1.066	2.039	5.8	19.5
2 1	7 27.16	+29 21.5	1.110	2.052	11.0	19.9
2 11	7 20.22	+29 44.3	1.176	2.065	15.8	20.2
2 21	7 17.10	+29 50.2	1.260	2.079	19.7	20.5

454042 2012 FO_{53} 1 15.3 320.°72 1.°9/16.3 17

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 13	8 7.06	+11 59.9	1.461	2.292	16.6	20.2
12 23	8 3.34	+13 2.9	1.367	2.270	12.7	19.9
1 2	7 56.73	+14 29.1	1.295	2.249	8.0	19.6
1 12	7 47.92	+16 14.5	1.250	2.229	3.0	19.2
1 22	7 38.09	+18 11.5	1.231	2.209	3.8	19.2
2 1	7 28.74	+20 10.2	1.240	2.190	9.1	19.5
2 11	7 21.39	+22 1.4	1.275	2.172	14.2	19.7
2 21	7 17.10	+23 39.1	1.331	2.155	18.6	19.9

288628 2004 PF_{6} 1 15.3 148.°55 3.°6/16.7 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 13	8 12.81	+10 33.1	1.746	2.552	15.4	21.0
12 23	8 6.76	+10 36.9	1.674	2.560	11.8	20.8
1 2	7 58.28	+10 55.4	1.624	2.567	7.9	20.6
1 12	7 48.22	+11 27.0	1.602	2.574	4.2	20.4
1 22	7 37.71	+12 8.8	1.608	2.580	4.4	20.4
2 1	7 28.00	+12 56.4	1.643	2.585	8.0	20.6
2 11	7 20.20	+13 45.6	1.705	2.590	11.9	20.8
2 21	7 15.01	+14 32.9	1.789	2.595	15.3	21.1

72262 2001 AD_{35} 1 15.3 334.°21 4.°7/13.5 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 13	8 12.99	+29 2.7	1.470	2.316	15.7	19.2
12 23	8 7.76	+30 8.9	1.401	2.313	11.8	19.0
1 2	7 59.27	+31 15.8	1.354	2.309	7.6	18.7
1 12	7 48.53	+32 14.6	1.333	2.306	4.7	18.5
1 22	7 37.04	+32 57.4	1.339	2.303	6.5	18.6
2 1	7 26.56	+33 20.0	1.372	2.300	10.6	18.9
2 11	7 18.64	+33 22.7	1.427	2.298	14.7	19.1
2 21	7 14.17	+33 9.2	1.503	2.296	18.3	19.3

9128 Takatumuzi 1 15.3 143.°77 0.°1/15.3 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 13	8 15.83	+18 56.8	1.708	2.531	14.9	18.1
12 23	8 9.08	+19 27.2	1.640	2.542	11.0	17.9
1 2	7 59.68	+20 5.4	1.597	2.553	6.5	17.6
1 12	7 48.58	+20 46.9	1.581	2.563	1.7	17.3
1 22	7 37.03	+21 26.9	1.594	2.572	3.3	17.5
2 1	7 26.42	+22 1.5	1.637	2.580	8.0	17.8
2 11	7 17.95	+22 28.6	1.707	2.588	12.1	18.1
2 21	7 12.35	+22 47.9	1.798	2.594	15.6	18.3

432087 2008 YV_{151} 1 15.3 320.°45 0.°7/15.5 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 13	8 9.22	+19 50.8	1.993	2.821	12.9	20.6
12 23	8 4.08	+19 36.6	1.903	2.807	9.6	20.4
1 2	7 56.70	+19 26.2	1.837	2.793	5.8	20.1
1 12	7 47.84	+19 18.0	1.799	2.780	1.7	19.8
1 22	7 38.47	+19 10.5	1.789	2.767	2.9	19.9
2 1	7 29.72	+19 2.2	1.809	2.754	7.1	20.1
2 11	7 22.63	+18 52.5	1.855	2.742	11.0	20.3
2 21	7 17.88	+18 41.3	1.924	2.730	14.4	20.5

398343 2011 QF_{72} 1 15.3 133.°96 2.°8/14.4 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 13	8 17.43	+27 19.6	1.707	2.537	14.6	21.9
12 23	8 10.34	+27 47.5	1.642	2.547	10.8	21.7
1 2	8 0.44	+28 14.6	1.602	2.557	6.6	21.5
1 12	7 48.77	+28 35.0	1.589	2.566	3.0	21.3
1 22	7 36.71	+28 44.4	1.605	2.575	4.6	21.4
2 1	7 25.77	+28 40.9	1.650	2.584	8.7	21.6
2 11	7 17.18	+28 25.9	1.720	2.592	12.6	21.9
2 21	7 11.65	+28 2.0	1.813	2.599	15.9	22.1

136111 2003 FC_{79} 1 15.3 354.°90 3.°2/14.3 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 13	8 12.44	+28 10.0	1.634	2.475	14.6	19.5
12 23	8 6.91	+28 36.5	1.563	2.473	10.9	19.2
1 2	7 58.55	+29 1.8	1.515	2.472	6.8	19.0
1 12	7 48.32	+29 20.4	1.494	2.471	3.4	18.8
1 22	7 37.58	+29 27.6	1.500	2.470	5.0	18.9
2 1	7 27.82	+29 21.4	1.534	2.470	9.1	19.1
2 11	7 20.35	+29 2.8	1.592	2.470	13.1	19.3
2 21	7 15.91	+28 34.6	1.672	2.470	16.5	19.6

399529 2003 EJ_{31} 1 15.3 274.°15 0.°5/15.5 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 13	8 11.69	+17 20.2	1.484	2.319	16.2	21.0
12 23	8 6.64	+17 57.2	1.402	2.309	12.1	20.7
1 2	7 58.58	+18 47.1	1.342	2.299	7.3	20.4
1 12	7 48.39	+19 45.3	1.308	2.289	2.0	20.0
1 22	7 37.35	+20 45.7	1.301	2.279	3.7	20.1
2 1	7 27.05	+21 42.2	1.322	2.269	9.0	20.4
2 11	7 18.97	+22 30.6	1.368	2.259	13.9	20.6
2 21	7 14.04	+23 9.1	1.434	2.248	18.0	20.9

41830 2000 WT_{56} 1 15.3 169.°71 3.°2/13.9 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 13	8 15.00	+27 18.4	1.839	2.669	13.7	18.2
12 23	8 8.59	+28 13.4	1.767	2.672	10.2	18.0
1 2	7 59.47	+29 9.3	1.721	2.675	6.3	17.8
1 12	7 48.56	+29 59.5	1.702	2.677	3.3	17.6
1 22	7 37.09	+30 38.2	1.712	2.679	4.9	17.7
2 1	7 26.48	+31 2.1	1.751	2.680	8.7	18.0
2 11	7 17.96	+31 11.2	1.816	2.681	12.4	18.2
2 21	7 12.32	+31 7.5	1.903	2.681	15.5	18.4

328271 2008 GY_{47} 1 15.3 339.°22 2.°1/14.3 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 13	8 10.23	+23 18.7	1.676	2.516	14.4	20.7
12 23	8 5.27	+24 16.0	1.602	2.513	10.6	20.5
1 2	7 57.62	+25 19.3	1.551	2.510	6.3	20.2
1 12	7 48.11	+26 22.4	1.527	2.507	2.4	20.0
1 22	7 37.97	+27 18.7	1.532	2.505	4.3	20.1
2 1	7 28.60	+28 3.4	1.564	2.503	8.7	20.4
2 11	7 21.28	+28 34.5	1.622	2.501	12.8	20.6
2 21	7 16.82	+28 52.4	1.701	2.499	16.3	20.8

503644 2016 GU_{188} 1 15.3 178.°35 2.°5/13.9 17

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 13	8 9.62	+26 56.1	2.442	3.267	10.9	21.8
12 23	8 4.09	+27 47.0	2.365	3.268	8.0	21.6
1 2	7 56.60	+28 38.8	2.314	3.268	5.0	21.4
1 12	7 47.81	+29 26.9	2.293	3.269	2.6	21.3
1 22	7 38.61	+30 7.1	2.302	3.269	3.9	21.3
2 1	7 29.96	+30 36.8	2.341	3.269	6.9	21.5
2 11	7 22.78	+30 55.1	2.407	3.268	9.9	21.7
2 21	7 17.67	+31 3.0	2.497	3.268	12.5	21.9

187896 2000 SJ_{189} 1 15.3 85.°89 7.°1/18.2 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 13	8 9.68	+ 1 50.4	1.942	2.714	15.3	19.9
12 23	8 4.17	+ 1 5.5	1.875	2.726	12.5	19.7
1 2	7 56.63	+ 0 38.7	1.831	2.738	9.7	19.5
1 12	7 47.82	+ 0 32.0	1.812	2.750	7.6	19.4
1 22	7 38.70	+ 0 45.2	1.821	2.762	7.3	19.4
2 1	7 30.30	+ 1 15.6	1.856	2.774	9.1	19.6
2 11	7 23.53	+ 1 59.0	1.918	2.786	11.7	19.8
2 21	7 18.99	+ 2 50.1	2.002	2.797	14.3	19.9

45426 2000 AZ_{166} 1 15.3 92.°56 5.°8/17.8 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 13	8 12.73	+ 5 2.9	1.840	2.624	15.6	19.0
12 23	8 6.36	+ 4 38.2	1.785	2.649	12.4	18.8
1 2	7 57.87	+ 4 30.8	1.752	2.674	9.0	18.7
1 12	7 48.12	+ 4 41.2	1.745	2.699	6.3	18.6
1 22	7 38.17	+ 5 7.6	1.767	2.723	6.1	18.6
2 1	7 29.12	+ 5 46.5	1.817	2.746	8.4	18.8
2 11	7 21.90	+ 6 33.4	1.893	2.769	11.4	19.0
2 21	7 17.07	+ 7 23.5	1.993	2.791	14.2	19.2

402607 2006 SJ_{188} 1 15.3 26.°86 7.°8/13.1 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 13	8 14.78	+36 16.5	1.291	2.139	17.3	20.1
12 23	8 9.34	+37 20.5	1.243	2.150	13.4	19.9
1 2	8 0.21	+38 14.2	1.217	2.161	9.8	19.7
1 12	7 48.76	+38 47.4	1.215	2.174	7.8	19.7
1 22	7 36.91	+38 53.5	1.238	2.187	9.1	19.8
2 1	7 26.67	+38 31.9	1.285	2.201	12.4	20.0
2 11	7 19.60	+37 47.5	1.354	2.216	15.9	20.3
2 21	7 16.39	+36 47.6	1.442	2.232	19.1	20.5

119690 2001 XP_{130} 1 15.3 145.°88 0.°1/15.3 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 13	8 11.44	+19 18.7	2.220	3.038	12.1	20.7
12 23	8 5.38	+19 42.2	2.147	3.047	8.9	20.5
1 2	7 57.33	+20 11.4	2.100	3.055	5.3	20.3
1 12	7 48.01	+20 42.9	2.081	3.063	1.3	20.0
1 22	7 38.34	+21 13.5	2.093	3.070	2.7	20.1
2 1	7 29.34	+21 40.6	2.135	3.077	6.5	20.4
2 11	7 21.91	+22 2.5	2.205	3.083	9.9	20.6
2 21	7 16.65	+22 18.7	2.299	3.089	12.8	20.8

489622 2007 TS_{308} 1 15.3 54.°95 0.°8/14.9 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 13	8 10.22	+22 55.5	2.027	2.856	12.6	21.3
12 23	8 4.61	+23 8.4	1.962	2.868	9.3	21.1
1 2	7 56.89	+23 23.8	1.923	2.881	5.4	20.9
1 12	7 47.89	+23 38.5	1.912	2.893	1.5	20.6
1 22	7 38.62	+23 49.5	1.930	2.906	3.0	20.8
2 1	7 30.15	+23 55.0	1.977	2.919	6.9	21.0
2 11	7 23.43	+23 54.5	2.051	2.932	10.4	21.3
2 21	7 19.03	+23 48.5	2.148	2.945	13.4	21.5

89435 2001 WK_{45} 1 15.3 172.°90 0.°1/15.2 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 13	8 10.76	+18 28.0	2.056	2.877	12.8	19.6
12 23	8 5.15	+19 18.6	1.978	2.879	9.5	19.4
1 2	7 57.33	+20 17.7	1.924	2.880	5.6	19.2
1 12	7 48.04	+21 21.0	1.900	2.882	1.4	18.9
1 22	7 38.25	+22 23.3	1.906	2.882	2.9	19.0
2 1	7 29.06	+23 20.2	1.941	2.883	7.0	19.3
2 11	7 21.50	+24 8.7	2.005	2.883	10.7	19.5
2 21	7 16.27	+24 47.8	2.092	2.883	13.9	19.7

153303 2001 HC_{14} 1 15.3 136.°73 2.°8/16.4 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 13	8 15.01	+12 33.8	1.791	2.598	15.0	20.3
12 23	8 8.27	+12 39.8	1.724	2.613	11.4	20.1
1 2	7 59.13	+12 58.2	1.681	2.627	7.3	19.9
1 12	7 48.47	+13 26.7	1.665	2.640	3.5	19.7
1 22	7 37.45	+14 2.2	1.678	2.652	3.8	19.7
2 1	7 27.31	+14 40.9	1.721	2.664	7.7	20.0
2 11	7 19.14	+15 19.4	1.791	2.674	11.6	20.2
2 21	7 13.59	+15 55.3	1.884	2.684	14.9	20.4

126276 2002 AK_{96} 1 15.3 17.°94 0.°9/14.9 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 13	8 10.11	+21 29.9	1.744	2.580	14.1	20.2
12 23	8 4.98	+22 5.8	1.672	2.581	10.4	19.9
1 2	7 57.34	+22 47.8	1.624	2.583	6.1	19.7
1 12	7 48.05	+23 31.1	1.603	2.585	1.7	19.4
1 22	7 38.26	+24 10.8	1.611	2.587	3.5	19.5
2 1	7 29.26	+24 43.2	1.646	2.589	7.9	19.8
2 11	7 22.21	+25 6.3	1.708	2.592	12.0	20.1
2 21	7 17.84	+25 20.2	1.791	2.594	15.4	20.3

259164 2002 YR_{15} 1 15.3 256.°57 0.°9/15.5 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 13	8 14.56	+20 24.0	1.813	2.637	14.1	19.9
12 23	8 8.06	+19 54.0	1.734	2.635	10.5	19.7
1 2	7 59.06	+19 26.6	1.679	2.634	6.3	19.4
1 12	7 48.47	+19 0.4	1.651	2.632	1.9	19.1
1 22	7 37.46	+18 34.5	1.654	2.631	3.2	19.2
2 1	7 27.32	+18 8.5	1.685	2.629	7.7	19.5
2 11	7 19.19	+17 42.7	1.743	2.627	11.7	19.7
2 21	7 13.75	+17 17.5	1.824	2.626	15.2	19.9

294433 2007 VO_{258} 1 15.3 185.°81 2.°6/16.4 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 13	8 11.62	+12 26.8	1.949	2.756	14.0	21.3
12 23	8 5.80	+12 38.8	1.867	2.756	10.6	21.1
1 2	7 57.72	+13 3.0	1.810	2.756	6.9	20.9
1 12	7 48.15	+13 37.5	1.780	2.755	3.3	20.7
1 22	7 38.07	+14 19.2	1.779	2.753	3.6	20.7
2 1	7 28.64	+15 4.2	1.808	2.752	7.3	20.9
2 11	7 20.89	+15 49.1	1.865	2.749	11.1	21.1
2 21	7 15.53	+16 31.1	1.945	2.746	14.4	21.4

71871 2000 VD_{37} 1 15.3 17.°73 2.°9/16.2 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 13	8 9.70	+14 42.7	1.246	2.090	18.1	18.5
12 23	8 5.23	+14 33.0	1.185	2.094	13.7	18.3
1 2	7 57.70	+14 37.1	1.144	2.099	8.7	18.0
1 12	7 48.16	+14 53.3	1.127	2.105	3.8	17.7
1 22	7 38.11	+15 18.1	1.136	2.112	4.5	17.8
2 1	7 29.18	+15 47.2	1.169	2.120	9.4	18.1
2 11	7 22.74	+16 16.7	1.227	2.129	14.2	18.4
2 21	7 19.58	+16 43.5	1.304	2.138	18.3	18.7

57609 2001 TD_{116} 1 15.3 78.°93 0.°3/15.2 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 13	8 12.40	+21 13.9	1.792	2.622	14.0	18.7
12 23	8 6.44	+21 23.7	1.728	2.633	10.3	18.5
1 2	7 58.07	+21 37.8	1.687	2.645	6.1	18.2
1 12	7 48.22	+21 52.9	1.674	2.656	1.5	17.9
1 22	7 38.04	+22 5.6	1.690	2.667	3.1	18.1
2 1	7 28.78	+22 13.8	1.734	2.678	7.5	18.4
2 11	7 21.51	+22 16.7	1.805	2.689	11.4	18.6
2 21	7 16.86	+22 14.6	1.899	2.700	14.7	18.9

64605 2001 XD_{23} 1 15.3 12.°24 5.°7/12.9 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 13	8 11.15	+31 22.4	1.477	2.325	15.5	19.0
12 23	8 6.37	+32 38.5	1.417	2.328	11.7	18.8
1 2	7 58.43	+33 52.4	1.379	2.331	7.9	18.6
1 12	7 48.37	+34 54.8	1.368	2.335	5.7	18.5
1 22	7 37.69	+35 38.0	1.382	2.339	7.3	18.6
2 1	7 28.11	+35 58.3	1.423	2.345	10.9	18.8
2 11	7 21.07	+35 56.9	1.486	2.351	14.6	19.0
2 21	7 17.40	+35 38.0	1.570	2.358	17.8	19.3

240339 2003 QQ_{24} 1 15.3 180.°90 1.°7/16.0 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 13	8 12.92	+15 2.3	2.132	2.939	12.9	21.6
12 23	8 6.58	+15 11.8	2.049	2.940	9.7	21.4
1 2	7 58.11	+15 30.0	1.992	2.941	6.1	21.2
1 12	7 48.25	+15 54.9	1.963	2.941	2.4	21.0
1 22	7 37.95	+16 23.7	1.965	2.941	3.0	21.0
2 1	7 28.28	+16 53.4	1.997	2.939	6.8	21.3
2 11	7 20.20	+17 21.9	2.057	2.937	10.4	21.5
2 21	7 14.39	+17 47.3	2.141	2.934	13.5	21.7

278485 2007 UV_{95} 1 15.3 12.°10 2.°1/14.4 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 13	8 9.55	+25 55.2	2.120	2.952	12.1	20.6
12 23	8 4.23	+26 25.1	2.046	2.953	8.9	20.4
1 2	7 56.76	+26 55.9	1.997	2.954	5.4	20.2
1 12	7 47.91	+27 23.5	1.976	2.955	2.3	20.0
1 22	7 38.66	+27 44.3	1.984	2.956	3.7	20.1
2 1	7 30.10	+27 55.8	2.022	2.957	7.2	20.3
2 11	7 23.22	+27 57.9	2.086	2.959	10.6	20.5
2 21	7 18.64	+27 51.5	2.173	2.961	13.5	20.7

310244 2011 UN_{7} 1 15.3 199.°87 2.°9/16.4 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 13	8 12.51	+12 53.7	1.839	2.650	14.5	21.1
12 23	8 6.58	+12 47.4	1.757	2.647	11.1	20.8
1 2	7 58.24	+12 52.4	1.698	2.645	7.2	20.6
1 12	7 48.30	+13 7.5	1.667	2.641	3.6	20.4
1 22	7 37.83	+13 30.5	1.664	2.637	4.0	20.4
2 1	7 28.05	+13 58.3	1.690	2.633	7.8	20.6
2 11	7 20.08	+14 28.0	1.743	2.628	11.7	20.8
2 21	7 14.64	+14 57.0	1.819	2.623	15.1	21.0

54210 2000 HV_{87} 1 15.3 144.°96 4.°2/12.8 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 13	8 11.63	+33 53.7	2.668	3.486	10.3	19.8
12 23	8 5.50	+34 51.5	2.601	3.493	7.9	19.6
1 2	7 57.41	+35 45.2	2.560	3.501	5.5	19.5
1 12	7 48.06	+36 29.6	2.549	3.508	4.2	19.4
1 22	7 38.35	+37 1.0	2.568	3.514	5.2	19.5
2 1	7 29.26	+37 17.6	2.617	3.521	7.4	19.7
2 11	7 21.67	+37 19.8	2.692	3.527	9.8	19.8
2 21	7 16.18	+37 9.9	2.791	3.532	12.0	20.0

236684 2006 QZ_{134} 1 15.3 168.°63 3.°2/17.2 17

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 13	8 6.53	+ 8 15.5	2.981	3.761	10.3	22.0
12 23	8 1.37	+ 8 15.3	2.896	3.765	8.0	21.9
1 2	7 54.82	+ 8 25.0	2.838	3.768	5.6	21.7
1 12	7 47.40	+ 8 43.9	2.809	3.771	3.5	21.6
1 22	7 39.72	+ 9 10.7	2.810	3.774	3.5	21.6
2 1	7 32.44	+ 9 43.5	2.842	3.776	5.5	21.7
2 11	7 26.18	+10 19.8	2.902	3.777	7.9	21.9
2 21	7 21.41	+10 57.3	2.989	3.779	10.2	22.0

146881 2002 CH_{11} 1 15.3 263.°74 11.°4/12.3 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 13	8 42.00	+56 49.1	2.233	2.965	14.7	19.6
12 23	8 29.16	+57 26.8	2.150	2.947	13.2	19.5
1 2	8 11.80	+57 40.3	2.090	2.929	11.9	19.4
1 12	7 51.68	+57 18.3	2.055	2.910	11.4	19.3
1 22	7 31.39	+56 15.0	2.046	2.891	11.9	19.3
2 1	7 13.53	+54 32.6	2.063	2.872	13.3	19.3
2 11	6 59.90	+52 20.4	2.106	2.853	15.1	19.4
2 21	6 51.12	+49 50.1	2.170	2.833	17.0	19.5

278313 2007 HS_{23} 1 15.3 294.°79 1.°8/16.0 17

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 13	8 9.13	+15 33.7	1.903	2.725	13.7	21.6
12 23	8 4.11	+15 37.2	1.817	2.716	10.3	21.3
1 2	7 56.81	+15 50.0	1.754	2.707	6.4	21.1
1 12	7 47.96	+16 10.3	1.719	2.698	2.5	20.8
1 22	7 38.58	+16 35.4	1.712	2.689	3.2	20.8
2 1	7 29.79	+17 2.3	1.734	2.680	7.3	21.1
2 11	7 22.69	+17 28.4	1.783	2.672	11.3	21.3
2 21	7 17.97	+17 51.8	1.854	2.663	14.7	21.5

240585 2004 TD_{153} 1 15.3 201.°77 4.°3/13.7 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 13	8 17.01	+30 28.3	1.772	2.602	14.2	21.3
12 23	8 10.29	+31 16.6	1.696	2.599	10.7	21.1
1 2	8 0.62	+32 2.7	1.645	2.596	7.0	20.9
1 12	7 48.94	+32 39.4	1.621	2.592	4.4	20.7
1 22	7 36.63	+33 0.8	1.626	2.587	5.8	20.8
2 1	7 25.25	+33 4.5	1.658	2.582	9.5	21.0
2 11	7 16.17	+32 51.6	1.717	2.577	13.2	21.2
2 21	7 10.22	+32 25.8	1.796	2.571	16.4	21.4

83288 2001 RH_{91} 1 15.3 57.°05 1.°6/16.1 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 13	8 7.69	+14 40.5	2.123	2.940	12.6	19.4
12 23	8 2.68	+14 57.9	2.055	2.951	9.5	19.2
1 2	7 55.76	+15 24.6	2.012	2.963	5.9	19.0
1 12	7 47.66	+15 58.4	1.997	2.976	2.3	18.8
1 22	7 39.26	+16 36.2	2.012	2.988	2.9	18.9
2 1	7 31.52	+17 14.7	2.055	3.000	6.4	19.1
2 11	7 25.29	+17 51.3	2.126	3.013	9.8	19.4
2 21	7 21.13	+18 24.0	2.221	3.026	12.7	19.6

97548 2000 DW_{55} 1 15.3 64.°55 0.°7/14.9 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 13	8 9.72	+22 12.1	2.123	2.950	12.2	19.4
12 23	8 4.30	+22 32.5	2.047	2.952	9.0	19.2
1 2	7 56.79	+22 56.4	1.996	2.953	5.3	19.0
1 12	7 47.93	+23 20.5	1.974	2.955	1.4	18.7
1 22	7 38.70	+23 41.6	1.981	2.957	3.0	18.8
2 1	7 30.13	+23 57.2	2.017	2.959	6.8	19.1
2 11	7 23.18	+24 6.3	2.081	2.961	10.3	19.3
2 21	7 18.48	+24 9.2	2.168	2.962	13.3	19.5

430465 2001 QV_{99} 1 15.3 107.°21 9.°9/23.6 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 13	8 7.26	−17 12.3	2.806	3.434	14.0	21.3
12 23	8 1.93	−17 45.6	2.744	3.454	12.7	21.2
1 2	7 55.15	−17 55.8	2.700	3.473	11.4	21.2
1 12	7 47.49	−17 40.7	2.679	3.492	10.4	21.1
1 22	7 39.63	−17 0.0	2.681	3.511	9.9	21.1
2 1	7 32.29	−15 56.1	2.709	3.529	10.1	21.2
2 11	7 26.11	−14 33.6	2.761	3.546	11.0	21.2
2 21	7 21.56	−12 58.3	2.836	3.564	12.1	21.4

350425 2012 VX_{73} 1 15.3 144.°47 6.°1/10.9 17

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 13	8 14.17	+43 43.1	3.139	3.931	9.5	21.3
12 23	8 7.36	+44 55.1	3.082	3.942	7.9	21.2
1 2	7 58.53	+45 57.9	3.051	3.952	6.5	21.1
1 12	7 48.37	+46 46.2	3.049	3.961	6.1	21.1
1 22	7 37.81	+47 16.5	3.077	3.970	6.8	21.1
2 1	7 27.86	+47 27.8	3.132	3.979	8.2	21.2
2 11	7 19.44	+47 21.4	3.212	3.988	9.8	21.4
2 21	7 13.19	+47 0.6	3.315	3.995	11.3	21.5

81654 2000 HO_{86} 1 15.3 72.°31 6.°9/18.4 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 13	8 11.88	+ 2 25.5	1.766	2.543	16.4	18.1
12 23	8 5.78	+ 1 56.3	1.717	2.573	13.2	18.0
1 2	7 57.56	+ 1 47.4	1.689	2.602	10.0	17.9
1 12	7 48.10	+ 1 59.6	1.687	2.632	7.4	17.8
1 22	7 38.48	+ 2 31.1	1.712	2.661	7.0	17.8
2 1	7 29.82	+ 3 17.8	1.765	2.689	9.0	18.0
2 11	7 23.02	+ 4 14.3	1.844	2.718	11.7	18.2
2 21	7 18.62	+ 5 15.0	1.945	2.745	14.4	18.5

296066 2009 AN_{44} 1 15.3 283.°53 1.°3/15.0 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 13	8 16.33	+24 56.8	1.601	2.435	15.2	20.6
12 23	8 10.10	+24 49.5	1.505	2.412	11.4	20.3
1 2	8 0.70	+24 42.0	1.432	2.390	6.9	20.0
1 12	7 49.02	+24 30.3	1.385	2.367	2.1	19.6
1 22	7 36.45	+24 11.1	1.367	2.343	4.0	19.7
2 1	7 24.65	+23 43.1	1.377	2.320	9.2	19.9
2 11	7 15.14	+23 7.9	1.412	2.296	14.0	20.2
2 21	7 8.92	+22 27.9	1.469	2.273	18.1	20.4

373182 2012 DB_{47} 1 15.3 241.°80 6.°1/18.2 17

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 13	8 8.77	+ 1 27.4	2.327	3.086	13.4	21.7
12 23	8 3.50	+ 1 11.6	2.227	3.071	11.1	21.5
1 2	7 56.33	+ 1 12.3	2.150	3.056	8.6	21.3
1 12	7 47.85	+ 1 31.0	2.100	3.040	6.6	21.1
1 22	7 38.85	+ 2 7.1	2.078	3.023	6.3	21.1
2 1	7 30.22	+ 2 58.1	2.086	3.006	8.1	21.2
2 11	7 22.86	+ 3 59.9	2.121	2.988	10.7	21.3
2 21	7 17.42	+ 5 7.6	2.179	2.970	13.4	21.4

373153 2012 BM_{132} 1 15.3 285.°40 11.°6/11.5 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 13	8 34.86	+52 59.9	1.985	2.747	15.3	20.3
12 23	8 24.55	+53 51.4	1.891	2.716	13.6	20.1
1 2	8 9.55	+54 22.1	1.819	2.684	12.1	20.0
1 12	7 51.27	+54 19.2	1.771	2.652	11.6	19.9
1 22	7 32.08	+53 34.6	1.748	2.619	12.3	19.8
2 1	7 14.67	+52 8.2	1.752	2.586	14.2	19.9
2 11	7 1.19	+50 8.1	1.779	2.552	16.6	20.0
2 21	6 52.58	+47 46.2	1.827	2.518	19.0	20.1

418899 2009 AY_{49} 1 15.3 270.°96 3.°2/17.3 17

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 13	8 6.37	+ 8 1.4	2.456	3.246	11.9	21.0
12 23	8 1.65	+ 8 30.5	2.361	3.236	9.3	20.8
1 2	7 55.19	+ 9 13.8	2.291	3.227	6.4	20.6
1 12	7 47.56	+10 9.8	2.249	3.217	3.7	20.4
1 22	7 39.48	+11 15.5	2.238	3.207	3.6	20.4
2 1	7 31.79	+12 27.2	2.257	3.198	6.2	20.6
2 11	7 25.28	+13 40.4	2.305	3.188	9.3	20.7
2 21	7 20.56	+14 51.5	2.378	3.178	12.1	20.9

256860 2008 CU_{206} 1 15.3 112.°00 7.°2/19.0 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 13	8 9.61	− 0 25.5	1.983	2.742	15.4	21.0
12 23	8 4.14	− 0 41.1	1.914	2.755	12.7	20.9
1 2	7 56.66	− 0 35.8	1.867	2.768	9.9	20.7
1 12	7 47.92	− 0 8.6	1.845	2.780	7.7	20.6
1 22	7 38.84	+ 0 39.1	1.851	2.792	7.3	20.6
2 1	7 30.44	+ 1 43.4	1.884	2.803	8.9	20.7
2 11	7 23.63	+ 2 58.4	1.945	2.814	11.4	20.9
2 21	7 19.01	+ 4 18.0	2.028	2.825	14.0	21.1

142715 2002 TJ_{266} 1 15.3 76.°99 4.°5/16.6 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 13	8 14.20	+10 47.6	1.716	2.522	15.6	18.6
12 23	8 7.59	+10 3.1	1.660	2.544	12.1	18.5
1 2	7 58.67	+ 9 31.0	1.627	2.566	8.2	18.3
1 12	7 48.41	+ 9 11.8	1.621	2.588	5.0	18.1
1 22	7 37.96	+ 9 4.8	1.644	2.610	5.2	18.2
2 1	7 28.53	+ 9 8.3	1.695	2.632	8.3	18.4
2 11	7 21.12	+ 9 19.5	1.772	2.653	11.7	18.7
2 21	7 16.30	+ 9 35.2	1.871	2.674	14.8	18.9

339557 2005 JE_{127} 1 15.3 187.°56 3.°9/17.5 17

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 13	8 6.71	+ 6 2.8	2.985	3.756	10.5	21.8
12 23	8 1.52	+ 5 48.8	2.897	3.755	8.3	21.7
1 2	7 54.94	+ 5 45.3	2.834	3.754	6.1	21.5
1 12	7 47.48	+ 5 52.4	2.799	3.753	4.3	21.4
1 22	7 39.73	+ 6 9.4	2.795	3.751	4.1	21.4
2 1	7 32.37	+ 6 34.5	2.821	3.748	5.9	21.5
2 11	7 26.01	+ 7 5.5	2.876	3.746	8.1	21.6
2 21	7 21.13	+ 7 39.9	2.956	3.742	10.3	21.8

8249 Gershwin 1 15.3 303.°42 1.°3/14.8 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 13	8 10.64	+20 57.9	1.423	2.268	16.2	18.1
12 23	8 6.21	+21 46.5	1.334	2.248	12.1	17.8
1 2	7 58.58	+22 46.0	1.267	2.228	7.2	17.5
1 12	7 48.55	+23 50.5	1.226	2.208	2.1	17.1
1 22	7 37.47	+24 52.4	1.212	2.188	4.3	17.2
2 1	7 27.02	+25 45.2	1.224	2.169	9.8	17.5
2 11	7 18.87	+26 25.1	1.261	2.150	14.9	17.7
2 21	7 14.10	+26 51.5	1.317	2.132	19.2	17.9

433039 2012 SS_{26} 1 15.3 116.°93 3.°3/17.0 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 13	8 6.81	+ 9 32.5	2.451	3.246	11.8	20.7
12 23	8 1.85	+ 9 29.5	2.372	3.250	9.2	20.5
1 2	7 55.24	+ 9 37.4	2.317	3.253	6.3	20.4
1 12	7 47.57	+ 9 55.7	2.290	3.256	3.8	20.2
1 22	7 39.60	+10 22.7	2.292	3.260	3.8	20.2
2 1	7 32.12	+10 55.9	2.324	3.263	6.2	20.4
2 11	7 25.90	+11 32.6	2.385	3.266	9.1	20.6
2 21	7 21.45	+12 9.9	2.470	3.269	11.7	20.8

413660 2005 VO_{74} 1 15.3 25.°58 9.°0/18.2 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 13	8 8.82	+ 1 23.3	1.561	2.348	17.8	20.1
12 23	8 4.01	+ 0 10.7	1.498	2.356	14.7	20.0
1 2	7 56.77	− 0 40.6	1.457	2.364	11.7	19.8
1 12	7 47.99	− 1 6.9	1.438	2.374	9.4	19.7
1 22	7 38.82	− 1 7.1	1.445	2.383	9.2	19.7
2 1	7 30.50	− 0 43.5	1.477	2.394	11.0	19.8
2 11	7 24.14	− 0 1.6	1.533	2.405	13.8	20.0
2 21	7 20.38	+ 0 51.9	1.609	2.417	16.6	20.2

55070 2001 QZ_{85} 1 15.3 250.°11 1.°5/14.7 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 13	8 12.27	+23 55.7	1.948	2.777	13.1	19.1
12 23	8 6.53	+24 25.0	1.861	2.766	9.7	18.9
1 2	7 58.32	+24 57.6	1.799	2.756	5.8	18.6
1 12	7 48.41	+25 28.9	1.764	2.745	2.0	18.4
1 22	7 37.90	+25 54.6	1.759	2.734	3.6	18.5
2 1	7 28.03	+26 11.8	1.784	2.722	7.8	18.7
2 11	7 19.97	+26 19.6	1.834	2.711	11.7	18.9
2 21	7 14.50	+26 18.7	1.908	2.699	15.0	19.1

414280 2008 KD_{36} 1 15.3 305.°92 2.°6/14.1 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 13	8 10.59	+24 40.2	1.668	2.508	14.4	20.8
12 23	8 5.74	+25 38.6	1.585	2.496	10.7	20.6
1 2	7 58.06	+26 42.4	1.526	2.484	6.5	20.3
1 12	7 48.38	+27 45.1	1.494	2.473	2.9	20.0
1 22	7 37.92	+28 39.8	1.490	2.461	4.7	20.1
2 1	7 28.15	+29 21.5	1.514	2.450	9.1	20.4
2 11	7 20.44	+29 48.2	1.562	2.439	13.3	20.6
2 21	7 15.69	+30 0.9	1.632	2.429	16.9	20.8

186214 2001 WW_{47} 1 15.3 11.°71 12.°7/20.3 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 13	8 8.30	−10 16.8	1.776	2.492	18.5	19.7
12 23	8 3.54	−11 44.9	1.707	2.493	16.5	19.5
1 2	7 56.50	−12 46.1	1.657	2.494	14.6	19.4
1 12	7 47.94	−13 14.6	1.628	2.496	13.2	19.3
1 22	7 38.89	−13 7.8	1.621	2.498	12.8	19.3
2 1	7 30.49	−12 27.3	1.638	2.500	13.5	19.3
2 11	7 23.80	−11 19.0	1.676	2.502	15.1	19.5
2 21	7 19.53	− 9 51.5	1.734	2.505	17.1	19.6

212031 2005 CH_{36} 1 15.3 291.°93 0.°3/15.4 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 13	8 10.91	+17 57.2	1.569	2.403	15.5	20.3
12 23	8 5.94	+18 34.0	1.489	2.396	11.5	20.1
1 2	7 58.15	+19 22.2	1.432	2.389	6.9	19.8
1 12	7 48.41	+20 17.1	1.401	2.383	1.8	19.4
1 22	7 37.94	+21 13.1	1.398	2.376	3.5	19.5
2 1	7 28.22	+22 4.7	1.423	2.369	8.5	19.8
2 11	7 20.58	+22 48.3	1.473	2.363	13.1	20.1
2 21	7 15.90	+23 22.3	1.544	2.357	17.0	20.3

130553 2000 RV_{14} 1 15.3 91.°64 4.°0/16.6 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 13	8 13.38	+11 31.0	1.554	2.369	16.5	19.4
12 23	8 7.37	+11 10.8	1.491	2.382	12.7	19.2
1 2	7 58.75	+11 4.5	1.451	2.395	8.4	19.0
1 12	7 48.50	+11 11.4	1.436	2.408	4.6	18.8
1 22	7 37.89	+11 29.5	1.449	2.420	4.8	18.8
2 1	7 28.27	+11 55.3	1.490	2.433	8.6	19.1
2 11	7 20.81	+12 25.3	1.556	2.445	12.6	19.3
2 21	7 16.19	+12 56.1	1.644	2.457	16.1	19.6

472281 2014 UG_{209} 1 15.3 119.°24 3.°3/16.7 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 13	8 9.75	+11 30.0	1.948	2.756	13.9	20.6
12 23	8 4.39	+11 23.3	1.872	2.759	10.7	20.4
1 2	7 56.90	+11 28.4	1.819	2.763	7.1	20.2
1 12	7 48.04	+11 44.5	1.794	2.766	3.9	20.0
1 22	7 38.76	+12 9.5	1.797	2.769	4.0	20.1
2 1	7 30.17	+12 40.5	1.830	2.772	7.3	20.3
2 11	7 23.21	+13 14.2	1.889	2.775	10.9	20.5
2 21	7 18.54	+13 47.8	1.971	2.778	14.0	20.7

14192 1998 XA_{33} 1 15.3 76.°55 4.°4/13.6 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 13	8 13.75	+33 19.3	2.083	2.909	12.5	17.7
12 23	8 7.38	+33 56.0	2.022	2.920	9.5	17.5
1 2	7 58.64	+34 27.2	1.986	2.932	6.4	17.3
1 12	7 48.46	+34 47.5	1.978	2.943	4.5	17.2
1 22	7 37.99	+34 53.1	1.999	2.955	5.6	17.3
2 1	7 28.45	+34 43.1	2.049	2.966	8.4	17.5
2 11	7 20.91	+34 19.2	2.124	2.978	11.3	17.7
2 21	7 15.96	+33 44.6	2.222	2.989	13.9	17.9

419123 2009 SK_{214} 1 15.3 101.°05 0.°4/15.2 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 13	8 11.25	+20 59.2	1.972	2.798	13.1	21.8
12 23	8 5.51	+21 21.7	1.903	2.807	9.6	21.6
1 2	7 57.56	+21 48.9	1.858	2.815	5.7	21.3
1 12	7 48.20	+22 17.4	1.842	2.824	1.4	21.1
1 22	7 38.48	+22 43.4	1.855	2.832	3.0	21.2
2 1	7 29.53	+23 4.2	1.898	2.840	7.1	21.5
2 11	7 22.36	+23 18.7	1.967	2.848	10.8	21.7
2 21	7 17.59	+23 26.6	2.059	2.856	13.9	21.9

165100 2000 HV 1 15.3 160.°84 0.°3/15.2 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 13	8 8.90	+20 44.9	2.528	3.347	10.8	20.7
12 23	8 3.43	+21 9.7	2.450	3.350	7.9	20.5
1 2	7 56.20	+21 38.6	2.397	3.353	4.7	20.3
1 12	7 47.85	+22 8.7	2.374	3.356	1.2	20.1
1 22	7 39.17	+22 37.1	2.382	3.359	2.5	20.2
2 1	7 31.02	+23 1.5	2.420	3.361	5.9	20.4
2 11	7 24.20	+23 20.6	2.487	3.363	9.0	20.6
2 21	7 19.26	+23 34.0	2.577	3.365	11.7	20.8

405993 2006 SP_{318} 1 15.3 10.°80 12.°2/11.3 16

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 13	8 12.98	+42 50.9	1.135	1.986	19.0	20.4
12 23	8 8.99	+44 35.1	1.093	1.989	15.8	20.2
1 2	8 0.51	+46 1.4	1.070	1.995	13.1	20.1
1 12	7 49.03	+46 55.4	1.069	2.002	12.2	20.1
1 22	7 36.90	+47 8.1	1.089	2.011	13.4	20.2
2 1	7 26.65	+46 39.3	1.131	2.021	16.0	20.4
2 11	7 20.23	+45 36.8	1.191	2.033	19.0	20.6
2 21	7 18.36	+44 11.2	1.268	2.046	21.8	20.8

280807 2005 TN_{164} 1 15.3 167.°57 3.°6/16.6 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 13	8 14.56	+11 24.2	1.770	2.575	15.3	22.1
12 23	8 8.11	+11 11.6	1.694	2.580	11.8	21.9
1 2	7 59.19	+11 11.6	1.641	2.584	7.8	21.7
1 12	7 48.64	+11 23.6	1.616	2.587	4.3	21.5
1 22	7 37.62	+11 45.2	1.619	2.590	4.5	21.5
2 1	7 27.39	+12 13.6	1.651	2.592	8.1	21.7
2 11	7 19.09	+12 45.4	1.710	2.593	12.0	22.0
2 21	7 13.43	+13 17.6	1.791	2.594	15.4	22.2

258556 2002 CJ_{63} 1 15.3 293.°50 4.°7/13.3 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 13	8 12.81	+31 51.7	1.857	2.691	13.4	20.6
12 23	8 7.27	+32 42.5	1.772	2.676	10.2	20.3
1 2	7 58.93	+33 30.9	1.712	2.661	6.9	20.1
1 12	7 48.62	+34 9.9	1.679	2.646	4.8	19.9
1 22	7 37.59	+34 33.6	1.674	2.632	6.2	20.0
2 1	7 27.30	+34 39.2	1.696	2.617	9.5	20.2
2 11	7 19.08	+34 27.4	1.744	2.603	13.1	20.3
2 21	7 13.80	+34 1.4	1.812	2.588	16.3	20.5

295465 2008 QQ_{1} 1 15.3 109.°82 2.°1/14.4 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 13	8 12.03	+26 17.9	2.162	2.989	12.1	21.0
12 23	8 5.97	+26 48.7	2.096	3.000	8.9	20.8
1 2	7 57.78	+27 19.8	2.055	3.010	5.4	20.6
1 12	7 48.26	+27 46.7	2.042	3.021	2.3	20.4
1 22	7 38.43	+28 6.1	2.060	3.031	3.7	20.5
2 1	7 29.37	+28 15.8	2.107	3.041	7.1	20.8
2 11	7 22.03	+28 16.0	2.181	3.050	10.4	21.0
2 21	7 17.02	+28 7.8	2.278	3.060	13.2	21.2

461815 2005 YF_{258} 1 15.3 263.°36 2.°7/16.1 17

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 13	8 11.74	+14 32.6	2.088	2.897	13.1	20.8
12 23	8 5.88	+14 1.6	1.992	2.883	10.0	20.5
1 2	7 57.83	+13 37.5	1.922	2.869	6.5	20.3
1 12	7 48.31	+13 20.0	1.880	2.854	3.2	20.1
1 22	7 38.26	+13 8.5	1.867	2.840	3.7	20.1
2 1	7 28.77	+13 2.0	1.884	2.825	7.3	20.3
2 11	7 20.83	+12 59.4	1.928	2.810	10.9	20.5
2 21	7 15.17	+12 59.3	1.996	2.795	14.2	20.6

380396 2002 XB_{89} 1 15.3 325.°38 5.°8/11.1 15

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 13	8 10.44	+30 39.1	1.893	2.730	13.1	19.5
12 23	8 5.78	+32 52.5	1.807	2.712	10.0	19.3
1 2	7 58.25	+35 10.6	1.748	2.694	7.1	19.1
1 12	7 48.52	+37 22.7	1.718	2.677	5.8	19.0
1 22	7 37.69	+39 18.3	1.717	2.660	7.6	19.0
2 1	7 27.21	+40 49.9	1.745	2.644	10.8	19.2
2 11	7 18.59	+41 55.1	1.797	2.628	14.1	19.4
2 21	7 12.90	+42 35.7	1.870	2.613	17.0	19.5

123475 2000 WB_{155} 1 15.3 99.°99 1.°1/15.7 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 13	8 13.52	+18 51.2	2.026	2.843	13.1	19.9
12 23	8 6.97	+18 33.7	1.959	2.857	9.7	19.7
1 2	7 58.31	+18 20.7	1.917	2.871	5.9	19.5
1 12	7 48.39	+18 10.6	1.904	2.885	1.9	19.2
1 22	7 38.24	+18 1.9	1.921	2.898	2.9	19.3
2 1	7 28.94	+17 53.6	1.968	2.911	6.8	19.6
2 11	7 21.42	+17 45.0	2.042	2.924	10.4	19.8
2 21	7 16.25	+17 35.9	2.140	2.937	13.4	20.1

9943 Bizan 1 15.3 48.°80 1.°5/14.7 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 13	8 11.84	+22 17.8	1.487	2.330	15.7	17.3
12 23	8 6.50	+23 3.7	1.432	2.345	11.5	17.0
1 2	7 58.35	+23 55.2	1.400	2.360	6.8	16.8
1 12	7 48.44	+24 46.3	1.395	2.376	2.1	16.5
1 22	7 38.13	+25 30.8	1.416	2.392	4.0	16.7
2 1	7 28.93	+26 4.5	1.465	2.408	8.7	17.0
2 11	7 22.05	+26 26.3	1.539	2.425	12.9	17.3
2 21	7 18.21	+26 36.8	1.634	2.442	16.4	17.6

51036 2000 GJ_{125} 1 15.3 168.°02 3.°6/17.3 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 13	8 7.11	+ 7 46.1	2.613	3.397	11.5	19.2
12 23	8 2.01	+ 7 46.2	2.529	3.399	9.0	19.1
1 2	7 55.33	+ 7 58.0	2.471	3.402	6.3	18.9
1 12	7 47.65	+ 8 20.7	2.441	3.404	4.0	18.8
1 22	7 39.65	+ 8 53.0	2.441	3.405	3.9	18.8
2 1	7 32.11	+ 9 32.2	2.471	3.407	6.1	18.9
2 11	7 25.73	+10 15.5	2.530	3.408	8.8	19.1
2 21	7 21.03	+10 59.9	2.613	3.409	11.3	19.2

298781 2004 PU_{43} 1 15.3 211.°02 1.°1/15.0 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 13	8 16.95	+23 50.9	1.751	2.578	14.5	21.6
12 23	8 10.13	+23 56.5	1.669	2.573	10.7	21.3
1 2	8 0.51	+24 3.7	1.611	2.567	6.4	21.1
1 12	7 49.01	+24 8.6	1.580	2.561	1.9	20.8
1 22	7 36.93	+24 7.7	1.579	2.555	3.6	20.9
2 1	7 25.73	+23 59.4	1.607	2.547	8.3	21.1
2 11	7 16.69	+23 43.8	1.661	2.540	12.5	21.4
2 21	7 10.61	+23 22.8	1.737	2.531	16.1	21.6

355858 2008 UD_{245} 1 15.3 58.°53 5.°1/13.9 17

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 13	8 17.52	+30 31.5	1.283	2.130	17.4	20.3
12 23	8 11.12	+31 23.8	1.238	2.149	13.0	20.1
1 2	8 1.21	+32 11.9	1.214	2.168	8.4	19.9
1 12	7 49.16	+32 46.7	1.216	2.188	5.2	19.8
1 22	7 36.81	+33 1.9	1.243	2.207	6.8	19.9
2 1	7 26.08	+32 56.1	1.296	2.227	10.9	20.2
2 11	7 18.42	+32 32.4	1.373	2.247	15.0	20.5
2 21	7 14.50	+31 56.0	1.469	2.267	18.4	20.8

424224 2007 RT_{128} 1 15.3 210.°64 3.°7/13.5 17

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 13	8 11.77	+32 9.9	2.471	3.293	10.9	21.6
12 23	8 5.78	+32 49.9	2.393	3.290	8.2	21.5
1 2	7 57.70	+33 26.6	2.340	3.286	5.5	21.3
1 12	7 48.27	+33 55.1	2.316	3.283	3.8	21.2
1 22	7 38.43	+34 11.9	2.322	3.279	4.8	21.2
2 1	7 29.22	+34 15.3	2.358	3.275	7.5	21.4
2 11	7 21.58	+34 5.8	2.420	3.270	10.2	21.5
2 21	7 16.15	+33 45.5	2.506	3.265	12.7	21.7

415102 2012 CD_{15} 1 15.3 288.°35 2.°7/14.6 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 13	8 14.37	+27 39.8	1.717	2.552	14.3	21.4
12 23	8 8.41	+27 53.6	1.633	2.540	10.7	21.2
1 2	7 59.58	+28 6.2	1.572	2.528	6.6	20.9
1 12	7 48.80	+28 12.5	1.539	2.517	3.0	20.6
1 22	7 37.38	+28 8.6	1.534	2.505	4.5	20.7
2 1	7 26.82	+27 52.7	1.557	2.494	8.8	20.9
2 11	7 18.45	+27 25.9	1.605	2.483	13.0	21.2
2 21	7 13.11	+26 51.2	1.675	2.472	16.6	21.4

206762 2004 CE_{21} 1 15.3 38.°36 0.°5/15.6 18 R

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 13	8 7.95	+16 2.7	2.196	3.014	12.2	19.8
12 23	8 3.01	+16 59.1	2.117	3.016	9.1	19.6
1 2	7 56.11	+18 5.8	2.063	3.018	5.4	19.4
1 12	7 47.89	+19 18.8	2.039	3.020	1.5	19.1
1 22	7 39.22	+20 33.2	2.044	3.022	2.6	19.2
2 1	7 31.07	+21 44.2	2.081	3.024	6.5	19.5
2 11	7 24.35	+22 48.2	2.145	3.027	10.0	19.7
2 21	7 19.71	+23 43.1	2.233	3.029	13.0	19.9

96036 2004 PP_{57} 1 15.3 134.°78 0.°6/15.6 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 13	8 11.51	+18 24.7	2.385	3.197	11.6	21.1
12 23	8 5.32	+18 37.2	2.314	3.210	8.5	20.9
1 2	7 57.31	+18 54.9	2.270	3.223	5.1	20.7
1 12	7 48.17	+19 15.4	2.254	3.235	1.5	20.5
1 22	7 38.76	+19 36.2	2.270	3.247	2.5	20.6
2 1	7 30.00	+19 55.2	2.316	3.258	6.0	20.9
2 11	7 22.71	+20 10.9	2.390	3.268	9.2	21.1
2 21	7 17.43	+20 22.8	2.489	3.278	12.0	21.3

492680 2014 PB_{36} 1 15.3 247.°50 1.°2/14.9 17

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 13	8 13.94	+22 36.2	1.730	2.561	14.4	22.7
12 23	8 8.08	+23 5.3	1.643	2.549	10.7	22.5
1 2	7 59.42	+23 39.5	1.579	2.537	6.4	22.2
1 12	7 48.79	+24 14.0	1.543	2.524	1.9	21.9
1 22	7 37.42	+24 43.9	1.536	2.511	3.8	22.0
2 1	7 26.74	+25 5.4	1.557	2.498	8.5	22.2
2 11	7 18.10	+25 17.4	1.604	2.484	12.8	22.5
2 21	7 12.38	+25 20.4	1.673	2.470	16.5	22.7

122445 2000 QQ_{134} 1 15.3 196.°09 3.°3/14.3 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 13	8 15.87	+27 38.7	1.614	2.450	15.0	19.9
12 23	8 9.61	+28 15.6	1.541	2.449	11.2	19.7
1 2	8 0.32	+28 52.5	1.492	2.448	6.9	19.4
1 12	7 49.00	+29 22.9	1.470	2.447	3.5	19.2
1 22	7 37.09	+29 41.2	1.476	2.445	5.1	19.3
2 1	7 26.17	+29 44.7	1.509	2.443	9.3	19.6
2 11	7 17.64	+29 34.3	1.568	2.442	13.5	19.8
2 21	7 12.33	+29 12.8	1.647	2.439	17.0	20.0

152635 1997 JF_{8} 1 15.3 160.°14 0.°8/15.7 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 13	8 14.80	+16 50.5	1.959	2.771	13.7	21.3
12 23	8 8.16	+17 17.5	1.884	2.779	10.2	21.1
1 2	7 59.18	+17 53.1	1.834	2.787	6.2	20.8
1 12	7 48.69	+18 34.0	1.813	2.793	1.9	20.6
1 22	7 37.74	+19 16.1	1.822	2.799	3.0	20.6
2 1	7 27.55	+19 55.6	1.861	2.804	7.2	20.9
2 11	7 19.16	+20 30.1	1.928	2.808	11.0	21.2
2 21	7 13.28	+20 58.4	2.019	2.811	14.3	21.4

501836 2014 WJ_{135} 1 15.3 257.°56 0.°5/15.1 17

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 13	8 10.53	+20 21.5	2.002	2.828	12.9	21.5
12 23	8 5.21	+20 56.3	1.913	2.817	9.6	21.3
1 2	7 57.56	+21 37.9	1.849	2.806	5.7	21.0
1 12	7 48.30	+22 22.4	1.813	2.795	1.5	20.7
1 22	7 38.44	+23 5.3	1.807	2.783	3.1	20.8
2 1	7 29.13	+23 42.8	1.830	2.772	7.3	21.1
2 11	7 21.47	+24 12.7	1.879	2.760	11.2	21.3
2 21	7 16.23	+24 34.4	1.952	2.748	14.6	21.5

73488 2002 PO_{90} 1 15.3 337.°34 10.°8/20.2 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 13	8 5.43	− 6 52.3	1.819	2.559	17.3	18.6
12 23	8 1.48	− 7 45.9	1.737	2.549	15.2	18.4
1 2	7 55.35	− 8 14.2	1.674	2.540	13.0	18.2
1 12	7 47.74	− 8 12.9	1.634	2.532	11.3	18.1
1 22	7 39.57	− 7 40.5	1.616	2.524	10.8	18.0
2 1	7 31.94	− 6 39.2	1.624	2.516	11.8	18.1
2 11	7 25.89	− 5 15.2	1.655	2.510	13.9	18.2
2 21	7 22.12	− 3 36.8	1.707	2.504	16.3	18.3

484272 2007 JD_{17} 1 15.3 229.°87 2.°9/16.3 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 13	8 13.34	+13 12.8	1.740	2.553	15.1	22.0
12 23	8 7.48	+13 7.7	1.652	2.544	11.6	21.7
1 2	7 58.99	+13 14.3	1.586	2.534	7.5	21.5
1 12	7 48.70	+13 31.5	1.548	2.524	3.6	21.2
1 22	7 37.72	+13 56.8	1.538	2.513	4.1	21.2
2 1	7 27.39	+14 26.9	1.557	2.501	8.2	21.4
2 11	7 18.95	+14 58.7	1.603	2.489	12.4	21.6
2 21	7 13.22	+15 29.4	1.670	2.477	16.2	21.9

154736 2004 NA_{16} 1 15.3 162.°49 4.°3/13.7 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 13	8 17.11	+34 47.5	2.395	3.208	11.5	20.3
12 23	8 9.65	+35 12.4	2.323	3.213	8.8	20.2
1 2	7 59.95	+35 30.7	2.277	3.218	6.1	20.0
1 12	7 48.88	+35 37.6	2.260	3.222	4.3	19.9
1 22	7 37.52	+35 29.9	2.274	3.226	5.3	20.0
2 1	7 27.02	+35 7.2	2.317	3.229	7.8	20.1
2 11	7 18.39	+34 31.6	2.388	3.232	10.5	20.3
2 21	7 12.23	+33 46.6	2.482	3.235	13.0	20.5

286002 2001 SX_{89} 1 15.3 204.°19 5.°1/12.8 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 13	8 14.97	+39 3.8	2.777	3.582	10.3	21.3
12 23	8 8.03	+39 39.2	2.699	3.578	8.2	21.2
1 2	7 59.00	+40 6.8	2.647	3.573	6.2	21.1
1 12	7 48.66	+40 21.7	2.624	3.568	5.1	21.0
1 22	7 37.96	+40 20.8	2.631	3.563	5.9	21.0
2 1	7 27.96	+40 3.2	2.666	3.557	7.8	21.1
2 11	7 19.59	+39 30.9	2.729	3.551	10.1	21.3
2 21	7 13.48	+38 46.9	2.815	3.545	12.1	21.4

276315 2002 TJ_{171} 1 15.4 105.°74 5.°4/18.1 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 13	8 9.08	+ 2 45.0	2.600	3.359	12.2	20.9
12 23	8 3.33	+ 2 14.4	2.535	3.380	9.9	20.8
1 2	7 56.06	+ 1 57.5	2.494	3.400	7.5	20.7
1 12	7 47.89	+ 1 54.9	2.481	3.420	5.7	20.6
1 22	7 39.53	+ 2 6.1	2.497	3.440	5.5	20.6
2 1	7 31.74	+ 2 29.3	2.543	3.459	7.0	20.7
2 11	7 25.19	+ 3 1.4	2.616	3.478	9.1	20.9
2 21	7 20.35	+ 3 39.0	2.714	3.496	11.3	21.1

222068 1999 EH_{15} 1 15.4 246.°50 2.°4/14.6 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 13	8 14.20	+27 15.5	1.854	2.685	13.6	20.5
12 23	8 8.02	+27 31.9	1.776	2.682	10.1	20.2
1 2	7 59.25	+27 47.5	1.723	2.678	6.2	20.0
1 12	7 48.76	+27 57.5	1.696	2.675	2.7	19.8
1 22	7 37.78	+27 58.4	1.699	2.671	4.2	19.9
2 1	7 27.66	+27 48.4	1.731	2.667	8.2	20.1
2 11	7 19.58	+27 28.5	1.788	2.663	12.0	20.3
2 21	7 14.28	+27 1.0	1.868	2.659	15.3	20.5

13368 Wlodekofman 1 15.4 73.°32 1.°2/14.8 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 13	8 10.46	+23 16.3	2.046	2.875	12.6	18.5
12 23	8 4.95	+23 45.1	1.977	2.883	9.2	18.3
1 2	7 57.28	+24 16.9	1.934	2.891	5.4	18.1
1 12	7 48.24	+24 47.6	1.918	2.899	1.7	17.8
1 22	7 38.84	+25 13.7	1.932	2.907	3.2	18.0
2 1	7 30.19	+25 32.4	1.976	2.916	7.1	18.2
2 11	7 23.25	+25 43.0	2.046	2.924	10.6	18.5
2 21	7 18.65	+25 45.9	2.139	2.932	13.5	18.7

379825 2011 KE_{47} 1 15.4 101.°12 5.°2/17.6 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 13	8 8.01	+ 5 34.1	2.256	3.037	13.1	20.8
12 23	8 2.90	+ 5 3.2	2.176	3.039	10.5	20.7
1 2	7 55.98	+ 4 45.8	2.120	3.041	7.8	20.5
1 12	7 47.90	+ 4 42.7	2.091	3.043	5.6	20.4
1 22	7 39.48	+ 4 53.4	2.091	3.045	5.5	20.4
2 1	7 31.60	+ 5 16.1	2.119	3.047	7.5	20.5
2 11	7 25.08	+ 5 47.5	2.174	3.048	10.2	20.7
2 21	7 20.49	+ 6 24.3	2.253	3.050	12.8	20.8

175478 2006 RN_{7} 1 15.4 117.°62 1.°8/16.3 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 13	8 12.63	+13 36.9	2.087	2.892	13.2	21.3
12 23	8 6.33	+14 6.3	2.023	2.912	9.9	21.1
1 2	7 58.00	+14 46.2	1.984	2.932	6.2	20.9
1 12	7 48.41	+15 33.8	1.973	2.951	2.5	20.7
1 22	7 38.53	+16 25.0	1.993	2.969	3.0	20.8
2 1	7 29.40	+17 16.1	2.043	2.986	6.6	21.0
2 11	7 21.91	+18 3.8	2.122	3.003	10.1	21.3
2 21	7 16.66	+18 46.3	2.224	3.019	13.0	21.5

212138 2005 EJ_{251} 1 15.4 313.°48 1.°2/14.8 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 13	8 11.04	+20 58.7	1.517	2.358	15.6	20.1
12 23	8 6.22	+21 50.0	1.440	2.351	11.5	19.9
1 2	7 58.45	+22 50.6	1.385	2.344	6.8	19.6
1 12	7 48.62	+23 54.5	1.356	2.338	2.0	19.2
1 22	7 38.02	+24 54.7	1.356	2.332	4.0	19.4
2 1	7 28.20	+25 45.4	1.382	2.326	9.1	19.6
2 11	7 20.59	+26 23.6	1.433	2.320	13.6	19.9
2 21	7 16.08	+26 49.0	1.505	2.315	17.5	20.1

467672 2008 UH_{128} 1 15.4 18.°38 3.°2/13.7 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 13	8 10.04	+27 46.2	2.033	2.867	12.5	20.7
12 23	8 4.84	+28 43.6	1.962	2.868	9.2	20.5
1 2	7 57.33	+29 41.8	1.916	2.870	5.8	20.3
1 12	7 48.28	+30 34.9	1.897	2.872	3.3	20.1
1 22	7 38.75	+31 17.7	1.908	2.874	4.7	20.2
2 1	7 29.92	+31 47.1	1.948	2.876	8.0	20.4
2 11	7 22.85	+32 2.4	2.014	2.878	11.3	20.6
2 21	7 18.25	+32 5.2	2.102	2.881	14.2	20.8

131584 2001 WT_{5} 1 15.4 348.°88 5.°0/14.3 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 13	8 22.90	+24 49.5	0.902	1.761	22.0	16.9
12 23	8 16.30	+21 31.5	0.824	1.743	16.8	16.5
1 2	8 4.92	+17 47.1	0.768	1.728	10.7	16.1
1 12	7 50.31	+13 45.2	0.737	1.715	5.3	15.7
1 22	7 34.87	+ 9 44.4	0.733	1.705	7.9	15.8
2 1	7 21.31	+ 6 7.2	0.755	1.698	14.5	16.2
2 11	7 11.72	+ 3 8.2	0.798	1.693	20.6	16.5
2 21	7 6.99	+ 0 50.7	0.859	1.692	25.6	16.8

405018 2001 PY_{4} 1 15.4 92.°62 1.°4/15.8 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 13	8 16.03	+17 41.5	1.981	2.793	13.6	21.4
12 23	8 8.72	+17 26.3	1.926	2.821	10.1	21.2
1 2	7 59.32	+17 16.9	1.897	2.848	6.1	21.0
1 12	7 48.73	+17 11.4	1.896	2.875	2.1	20.8
1 22	7 38.03	+17 8.2	1.926	2.902	3.0	20.9
2 1	7 28.33	+17 5.8	1.985	2.928	6.8	21.2
2 11	7 20.52	+17 3.5	2.073	2.953	10.3	21.5
2 21	7 15.14	+17 0.6	2.184	2.978	13.3	21.7

78579 2002 SV_{4} 1 15.4 61.°47 1.°2/14.9 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 13	8 10.37	+23 39.0	2.075	2.904	12.4	19.8
12 23	8 4.83	+24 0.3	2.007	2.913	9.1	19.6
1 2	7 57.19	+24 23.8	1.964	2.922	5.4	19.4
1 12	7 48.23	+24 46.0	1.950	2.931	1.7	19.2
1 22	7 38.95	+25 3.5	1.965	2.940	3.2	19.3
2 1	7 30.43	+25 14.2	2.010	2.950	6.9	19.6
2 11	7 23.60	+25 17.6	2.081	2.959	10.4	19.8
2 21	7 19.07	+25 14.2	2.175	2.969	13.3	20.0

233094 2005 RN_{45} 1 15.4 32.°96 1.°0/15.1 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 13	8 13.80	+22 30.4	1.114	1.970	18.9	20.0
12 23	8 8.68	+22 42.9	1.060	1.979	13.9	19.7
1 2	7 59.98	+23 1.1	1.027	1.989	8.2	19.4
1 12	7 49.00	+23 19.2	1.018	2.000	2.2	19.1
1 22	7 37.54	+23 32.1	1.034	2.011	4.4	19.3
2 1	7 27.57	+23 36.5	1.074	2.024	10.2	19.6
2 11	7 20.62	+23 32.2	1.137	2.036	15.3	20.0
2 21	7 17.45	+23 20.7	1.219	2.050	19.5	20.3

27452 Nikhilpatel 1 15.4 155.°70 0.°5/15.6 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 13	8 8.90	+18 23.6	2.732	3.542	10.3	19.8
12 23	8 3.31	+18 37.7	2.653	3.548	7.6	19.6
1 2	7 56.14	+18 56.5	2.601	3.554	4.6	19.4
1 12	7 47.96	+19 18.0	2.579	3.560	1.3	19.2
1 22	7 39.50	+19 39.9	2.587	3.565	2.2	19.3
2 1	7 31.55	+20 0.4	2.627	3.569	5.4	19.5
2 11	7 24.80	+20 18.0	2.696	3.574	8.3	19.7
2 21	7 19.78	+20 32.0	2.789	3.577	10.8	19.9

118754 2000 QA_{192} 1 15.4 190.°64 6.°3/12.4 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 13	8 17.62	+39 28.4	2.298	3.108	12.0	20.2
12 23	8 10.44	+40 24.6	2.227	3.107	9.6	20.0
1 2	8 0.66	+41 11.9	2.180	3.105	7.4	19.9
1 12	7 49.16	+41 43.7	2.162	3.103	6.3	19.8
1 22	7 37.18	+41 55.4	2.172	3.100	7.2	19.9
2 1	7 26.05	+41 45.6	2.210	3.097	9.4	20.0
2 11	7 16.97	+41 16.7	2.274	3.094	11.9	20.2
2 21	7 10.66	+40 33.3	2.360	3.090	14.2	20.3

174411 2002 VP_{86} 1 15.4 150.°16 0.°3/15.5 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 13	8 13.62	+19 46.1	2.116	2.933	12.7	20.6
12 23	8 7.15	+19 54.1	2.043	2.941	9.4	20.4
1 2	7 58.55	+20 6.9	1.995	2.949	5.6	20.2
1 12	7 48.61	+20 21.5	1.975	2.957	1.5	19.9
1 22	7 38.33	+20 35.4	1.986	2.963	2.7	20.0
2 1	7 28.79	+20 46.5	2.027	2.970	6.7	20.3
2 11	7 20.94	+20 53.6	2.096	2.975	10.3	20.5
2 21	7 15.41	+20 56.7	2.189	2.980	13.3	20.7

53125 1999 AL_{24} 1 15.4 23.°49 11.°7/23.9 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 13	8 7.62	−11 39.2	1.348	2.084	22.5	17.7
12 23	8 3.57	−11 4.3	1.284	2.094	19.6	17.5
1 2	7 56.79	− 9 44.5	1.235	2.106	16.3	17.4
1 12	7 48.21	− 7 37.3	1.208	2.118	13.3	17.2
1 22	7 39.13	− 4 47.8	1.204	2.132	11.7	17.2
2 1	7 30.97	− 1 28.3	1.227	2.147	12.4	17.2
2 11	7 25.01	+ 2 3.9	1.276	2.163	14.9	17.4
2 21	7 21.98	+ 5 32.1	1.349	2.180	18.0	17.7

401522 2013 EX_{81} 1 15.4 218.°61 2.°6/16.4 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 13	8 11.82	+12 53.7	1.844	2.655	14.5	21.5
12 23	8 6.22	+13 0.4	1.759	2.650	11.1	21.2
1 2	7 58.22	+13 19.3	1.697	2.644	7.1	21.0
1 12	7 48.58	+13 48.8	1.662	2.638	3.4	20.7
1 22	7 38.35	+14 25.9	1.657	2.631	3.7	20.7
2 1	7 28.75	+15 6.8	1.680	2.624	7.7	21.0
2 11	7 20.91	+15 48.1	1.730	2.617	11.7	21.2
2 21	7 15.57	+16 26.8	1.803	2.609	15.2	21.4

60941 2000 JQ_{54} 1 15.4 158.°57 3.°3/16.6 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 13	8 13.70	+11 50.7	1.772	2.579	15.1	19.7
12 23	8 7.54	+11 46.0	1.697	2.585	11.6	19.5
1 2	7 58.94	+11 54.0	1.646	2.590	7.6	19.3
1 12	7 48.75	+12 13.6	1.622	2.595	4.0	19.1
1 22	7 38.09	+12 42.0	1.626	2.599	4.2	19.1
2 1	7 28.22	+13 16.1	1.660	2.602	7.9	19.3
2 11	7 20.25	+13 52.1	1.720	2.605	11.8	19.6
2 21	7 14.88	+14 27.2	1.803	2.608	15.2	19.8

53459 1999 XD_{156} 1 15.4 233.°34 1.°1/14.9 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 13	8 14.28	+20 36.2	1.559	2.392	15.6	18.9
12 23	8 8.63	+21 26.8	1.477	2.384	11.6	18.6
1 2	7 59.93	+22 26.9	1.418	2.376	6.9	18.4
1 12	7 49.07	+23 30.6	1.386	2.368	1.9	18.0
1 22	7 37.36	+24 30.9	1.383	2.359	4.0	18.1
2 1	7 26.40	+25 21.8	1.407	2.350	9.1	18.4
2 11	7 17.66	+26 0.6	1.457	2.340	13.7	18.7
2 21	7 12.09	+26 26.9	1.528	2.330	17.6	18.9

100024 1990 SW_{6} 1 15.4 73.°73 5.°0/13.6 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 13	8 17.98	+31 42.3	1.604	2.437	15.2	19.3
12 23	8 10.95	+32 39.9	1.560	2.463	11.4	19.1
1 2	8 0.97	+33 32.3	1.540	2.489	7.5	19.0
1 12	7 49.23	+34 11.5	1.546	2.514	5.1	18.9
1 22	7 37.29	+34 32.3	1.581	2.540	6.4	19.0
2 1	7 26.70	+34 33.3	1.643	2.565	9.7	19.3
2 11	7 18.73	+34 17.1	1.730	2.589	13.1	19.5
2 21	7 13.98	+33 48.2	1.838	2.614	16.1	19.8

88575 2001 QU_{248} 1 15.4 54.°74 3.°2/16.6 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 13	8 11.75	+12 9.4	1.319	2.149	18.1	19.1
12 23	8 6.68	+12 23.5	1.259	2.160	13.7	18.9
1 2	7 58.65	+12 55.2	1.220	2.171	8.8	18.6
1 12	7 48.69	+13 41.7	1.206	2.182	4.1	18.4
1 22	7 38.25	+14 37.8	1.218	2.194	4.4	18.4
2 1	7 28.88	+15 37.3	1.257	2.206	9.1	18.7
2 11	7 21.93	+16 34.6	1.320	2.218	13.7	19.0
2 21	7 18.15	+17 25.9	1.403	2.230	17.6	19.3

459303 2012 GS_{25} 1 15.4 356.°88 10.°3/19.4 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 13	8 4.52	− 0 32.4	1.278	2.080	20.2	20.3
12 23	8 1.50	− 1 21.5	1.209	2.074	17.0	20.1
1 2	7 55.69	− 1 41.9	1.159	2.070	13.7	19.9
1 12	7 47.97	− 1 29.1	1.129	2.067	11.0	19.7
1 22	7 39.60	− 0 42.9	1.121	2.066	10.4	19.7
2 1	7 32.04	+ 0 32.1	1.137	2.066	12.3	19.8
2 11	7 26.63	+ 2 6.6	1.175	2.068	15.5	20.0
2 21	7 24.21	+ 3 50.1	1.233	2.071	18.9	20.2

16972 Neish 1 15.4 217.°69 2.°5/14.1 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 13	8 13.30	+25 37.8	2.134	2.958	12.3	18.5
12 23	8 7.26	+26 33.5	2.048	2.950	9.1	18.3
1 2	7 58.83	+27 32.0	1.987	2.942	5.6	18.1
1 12	7 48.75	+28 27.9	1.956	2.933	2.6	17.9
1 22	7 38.04	+29 15.9	1.955	2.924	4.1	18.0
2 1	7 27.90	+29 52.2	1.984	2.914	7.7	18.2
2 11	7 19.44	+30 15.5	2.040	2.903	11.2	18.4
2 21	7 13.43	+30 27.0	2.118	2.892	14.3	18.5

168125 2006 FS_{44} 1 15.4 242.°25 0.°8/15.1 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 13	8 14.53	+21 56.8	1.822	2.648	14.0	21.3
12 23	8 8.45	+22 17.6	1.731	2.635	10.4	21.1
1 2	7 59.67	+22 43.3	1.664	2.621	6.2	20.8
1 12	7 48.99	+23 9.8	1.625	2.606	1.7	20.4
1 22	7 37.58	+23 32.8	1.615	2.591	3.4	20.5
2 1	7 26.82	+23 49.1	1.634	2.576	8.1	20.8
2 11	7 17.99	+23 57.6	1.680	2.560	12.4	21.0
2 21	7 11.95	+23 58.6	1.748	2.543	16.0	21.2

454127 2013 CD_{165} 1 15.4 348.°93 4.°1/16.8 17

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 13	8 7.23	+11 30.1	1.168	2.012	19.0	21.2
12 23	8 3.85	+11 30.5	1.097	2.004	14.7	20.9
1 2	7 57.25	+11 51.1	1.045	1.998	9.8	20.6
1 12	7 48.40	+12 30.9	1.017	1.992	5.0	20.4
1 22	7 38.74	+13 25.5	1.012	1.988	5.2	20.3
2 1	7 30.00	+14 28.4	1.032	1.985	10.1	20.6
2 11	7 23.76	+15 32.5	1.075	1.983	15.2	20.9
2 21	7 20.96	+16 32.0	1.136	1.982	19.6	21.2

145902 1999 TF_{239} 1 15.4 142.°18 0.°6/15.6 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 13	8 16.54	+17 53.4	1.701	2.521	15.1	21.3
12 23	8 9.73	+18 18.7	1.634	2.534	11.2	21.1
1 2	8 0.26	+18 52.7	1.591	2.545	6.7	20.8
1 12	7 49.10	+19 31.2	1.575	2.556	1.9	20.6
1 22	7 37.49	+20 9.6	1.589	2.566	3.2	20.7
2 1	7 26.83	+20 44.1	1.632	2.575	7.9	21.0
2 11	7 18.31	+21 12.4	1.701	2.584	12.1	21.2
2 21	7 12.64	+21 33.9	1.793	2.591	15.6	21.5

83426 2001 SS_{44} 1 15.4 156.°80 2.°9/13.7 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 13	8 10.95	+30 28.0	2.793	3.612	9.9	19.9
12 23	8 4.94	+31 6.4	2.721	3.618	7.4	19.7
1 2	7 57.17	+31 42.5	2.675	3.623	4.8	19.5
1 12	7 48.28	+32 12.4	2.658	3.628	3.0	19.4
1 22	7 39.08	+32 33.0	2.673	3.633	4.0	19.5
2 1	7 30.44	+32 42.8	2.718	3.637	6.4	19.7
2 11	7 23.17	+32 41.9	2.790	3.641	9.0	19.8
2 21	7 17.80	+32 31.7	2.887	3.645	11.2	20.0

490302 2009 AG_{23} 1 15.4 78.°41 1.°5/14.8 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 13	8 13.85	+21 30.5	1.480	2.318	16.0	21.0
12 23	8 8.12	+22 26.4	1.421	2.331	11.8	20.8
1 2	7 59.46	+23 29.7	1.386	2.345	6.9	20.6
1 12	7 48.91	+24 33.4	1.377	2.358	2.1	20.3
1 22	7 37.88	+25 30.5	1.396	2.372	4.1	20.5
2 1	7 27.92	+26 16.0	1.443	2.385	8.9	20.8
2 11	7 20.36	+26 48.1	1.515	2.399	13.2	21.1
2 21	7 15.93	+27 7.4	1.608	2.412	16.8	21.3

106561 2000 WL_{83} 1 15.4 330.°49 0.°3/15.5 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 13	8 11.39	+20 26.3	1.309	2.157	17.1	19.6
12 23	8 6.81	+20 21.6	1.231	2.145	12.8	19.3
1 2	7 58.96	+20 23.6	1.175	2.134	7.7	18.9
1 12	7 48.84	+20 28.9	1.143	2.124	2.1	18.6
1 22	7 37.92	+20 34.0	1.136	2.115	3.9	18.7
2 1	7 27.95	+20 36.1	1.156	2.106	9.6	19.0
2 11	7 20.49	+20 33.9	1.199	2.098	14.7	19.2
2 21	7 16.48	+20 27.4	1.262	2.091	19.1	19.5

380485 2004 BS_{29} 1 15.4 340.°30 3.°0/14.3 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 13	8 12.14	+29 32.3	2.073	2.902	12.4	20.2
12 23	8 6.32	+29 47.8	1.996	2.899	9.3	20.0
1 2	7 58.18	+30 0.6	1.943	2.896	5.8	19.8
1 12	7 48.57	+30 6.3	1.919	2.894	3.1	19.6
1 22	7 38.55	+30 1.9	1.924	2.891	4.3	19.7
2 1	7 29.32	+29 46.2	1.957	2.889	7.7	19.9
2 11	7 21.92	+29 20.2	2.017	2.887	11.1	20.1
2 21	7 17.01	+28 46.4	2.100	2.886	14.0	20.3

35319 1997 BU_4 1 15.4 270.°41 3.°3/17.1 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 13	8 8.36	+ 9 10.9	2.043	2.844	13.7	19.0
12 23	8 3.53	+ 9 34.4	1.951	2.834	10.6	18.8
1 2	7 56.59	+10 13.4	1.883	2.823	7.2	18.6
1 12	7 48.19	+11 6.5	1.842	2.813	4.0	18.3
1 22	7 39.22	+12 10.4	1.830	2.802	3.9	18.3
2 1	7 30.71	+13 20.6	1.848	2.791	7.2	18.5
2 11	7 23.67	+14 32.0	1.893	2.781	10.8	18.7
2 21	7 18.80	+15 40.4	1.962	2.770	14.1	18.9

28902 2000 LZ_{33} 1 15.4 160.°35 2.°7/16.3 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 13	8 14.30	+13 54.4	1.789	2.601	14.8	18.8
12 23	8 7.98	+13 43.4	1.714	2.606	11.3	18.5
1 2	7 59.21	+13 42.8	1.663	2.610	7.2	18.3
1 12	7 48.86	+13 51.0	1.639	2.614	3.4	18.1
1 22	7 38.05	+14 6.1	1.644	2.618	3.8	18.1
2 1	7 28.05	+14 25.3	1.678	2.621	7.8	18.4
2 11	7 19.97	+14 46.1	1.738	2.623	11.7	18.6
2 21	7 14.52	+15 6.4	1.822	2.625	15.1	18.8

406623 2008 CT_{133} 1 15.4 31.°48 8.°1/13.7 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 13	8 21.78	+40 55.1	1.545	2.369	16.2	20.8
12 23	8 14.29	+41 25.8	1.486	2.374	13.0	20.6
1 2	8 3.18	+41 41.3	1.449	2.379	9.9	20.4
1 12	7 49.86	+41 32.9	1.437	2.384	8.2	20.3
1 22	7 36.25	+40 56.1	1.451	2.390	9.1	20.4
2 1	7 24.31	+39 52.5	1.491	2.397	11.8	20.6
2 11	7 15.54	+38 28.8	1.556	2.403	15.0	20.8
2 21	7 10.61	+36 53.6	1.640	2.410	17.9	21.0

227557 2005 YN_{178} 1 15.4 146.°22 1.°0/15.9 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 13	8 10.39	+16 36.1	2.280	3.092	12.0	21.3
12 23	8 4.70	+16 52.0	2.204	3.099	9.0	21.1
1 2	7 57.10	+17 15.2	2.154	3.106	5.5	20.9
1 12	7 48.30	+17 43.2	2.132	3.112	1.8	20.6
1 22	7 39.15	+18 13.3	2.141	3.118	2.6	20.7
2 1	7 30.60	+18 42.8	2.180	3.124	6.2	20.9
2 11	7 23.52	+19 9.6	2.247	3.129	9.6	21.2
2 21	7 18.48	+19 32.4	2.338	3.134	12.5	21.4

140986 2001 WS_{12} 1 15.4 62.°29 0.°9/15.8 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 13	8 11.13	+16 28.9	1.665	2.492	15.0	19.5
12 23	8 5.72	+17 2.2	1.607	2.510	11.1	19.3
1 2	7 57.87	+17 46.0	1.572	2.528	6.7	19.1
1 12	7 48.50	+18 36.2	1.565	2.546	2.0	18.8
1 22	7 38.79	+19 27.6	1.586	2.564	3.1	19.0
2 1	7 30.01	+20 15.9	1.635	2.582	7.6	19.3
2 11	7 23.23	+20 57.7	1.710	2.600	11.6	19.6
2 21	7 19.09	+21 31.7	1.808	2.618	15.0	19.8

281763 2009 DO_{58} 1 15.4 130.°98 1.°3/14.8 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 13	8 14.80	+23 9.6	1.965	2.788	13.2	21.0
12 23	8 8.21	+23 43.2	1.899	2.802	9.7	20.8
1 2	7 59.27	+24 19.8	1.858	2.815	5.7	20.6
1 12	7 48.86	+24 54.9	1.846	2.827	1.8	20.3
1 22	7 38.09	+25 24.3	1.864	2.839	3.4	20.4
2 1	7 28.17	+25 45.2	1.912	2.850	7.4	20.7
2 11	7 20.15	+25 56.9	1.986	2.861	11.0	21.0
2 21	7 14.69	+26 0.3	2.084	2.871	14.1	21.2

189477 1999 TT_{313} 1 15.4 31.°05 0.°9/15.8 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 13	8 9.55	+17 27.7	1.938	2.762	13.4	20.8
12 23	8 4.41	+17 42.1	1.863	2.764	10.0	20.6
1 2	7 57.08	+18 4.3	1.812	2.766	6.0	20.4
1 12	7 48.33	+18 31.8	1.788	2.769	1.9	20.1
1 22	7 39.14	+19 1.2	1.793	2.771	2.9	20.2
2 1	7 30.64	+19 29.5	1.827	2.773	7.0	20.4
2 11	7 23.82	+19 54.3	1.888	2.776	10.8	20.7
2 21	7 19.35	+20 14.4	1.972	2.778	14.0	20.9

164842 1999 TV_{133} 1 15.4 61.°62 0.°7/15.6 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 13	8 13.34	+18 25.9	1.464	2.299	16.3	20.6
12 23	8 7.60	+18 37.0	1.407	2.314	12.1	20.4
1 2	7 59.08	+18 56.7	1.372	2.329	7.2	20.2
1 12	7 48.83	+19 21.4	1.364	2.345	2.1	19.9
1 22	7 38.24	+19 46.6	1.383	2.361	3.4	20.0
2 1	7 28.76	+20 9.1	1.429	2.377	8.4	20.3
2 11	7 21.62	+20 26.8	1.500	2.393	12.8	20.6
2 21	7 17.49	+20 38.9	1.593	2.409	16.4	20.9

179969 2002 XM_{33} 1 15.4 20.°15 2.°6/14.1 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 13	8 8.74	+20 48.4	1.227	2.083	17.5	18.7
12 23	8 4.93	+22 34.1	1.172	2.091	12.8	18.4
1 2	7 57.86	+24 32.5	1.139	2.101	7.6	18.1
1 12	7 48.59	+26 32.8	1.131	2.112	2.9	17.9
1 22	7 38.63	+28 22.7	1.150	2.124	5.3	18.1
2 1	7 29.76	+29 53.2	1.195	2.137	10.4	18.4
2 11	7 23.50	+31 0.3	1.263	2.151	15.0	18.7
2 21	7 20.71	+31 44.8	1.351	2.166	18.8	19.0

284098 2005 NQ_{85} 1 15.4 142.°39 0.°1/15.4 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 13	8 9.74	+21 3.4	2.522	3.339	10.8	20.7
12 23	8 4.08	+21 0.7	2.442	3.342	8.0	20.5
1 2	7 56.68	+21 0.5	2.389	3.344	4.7	20.3
1 12	7 48.20	+21 1.1	2.364	3.346	1.2	20.1
1 22	7 39.43	+21 0.7	2.371	3.348	2.4	20.2
2 1	7 31.23	+20 58.1	2.408	3.350	5.8	20.4
2 11	7 24.39	+20 52.7	2.473	3.352	8.9	20.6
2 21	7 19.44	+20 44.6	2.562	3.354	11.6	20.8

96133 2488 $T\text{-}_3$ 1 15.4 175.°87 1.°4/15.9 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 13	8 11.08	+16 56.7	2.051	2.868	13.0	20.2
12 23	8 5.42	+16 54.8	1.972	2.869	9.7	20.0
1 2	7 57.64	+16 59.8	1.917	2.869	6.0	19.8
1 12	7 48.47	+17 10.0	1.890	2.870	2.1	19.5
1 22	7 38.90	+17 22.9	1.893	2.870	2.9	19.6
2 1	7 29.99	+17 36.6	1.926	2.870	6.8	19.8
2 11	7 22.71	+17 49.1	1.985	2.870	10.5	20.0
2 21	7 17.70	+17 59.5	2.068	2.870	13.6	20.3

143324 2003 AO_{60} 1 15.4 35.°73 1.°9/16.1 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 13	8 10.47	+15 36.3	1.420	2.256	16.7	19.6
12 23	8 5.58	+15 43.6	1.361	2.267	12.5	19.4
1 2	7 57.94	+16 3.0	1.324	2.279	7.7	19.1
1 12	7 48.56	+16 31.6	1.312	2.292	2.9	18.9
1 22	7 38.78	+17 5.2	1.328	2.305	3.7	19.0
2 1	7 30.05	+17 39.7	1.370	2.319	8.5	19.3
2 11	7 23.57	+18 11.4	1.436	2.333	12.9	19.6
2 21	7 20.04	+18 38.3	1.524	2.348	16.6	19.9

34539 2000 SL_{223} 1 15.4 243.°02 0.°6/15.6 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 13	8 10.81	+18 34.0	1.929	2.753	13.4	19.6
12 23	8 5.40	+18 45.2	1.849	2.751	10.0	19.4
1 2	7 57.70	+19 3.3	1.795	2.750	6.0	19.1
1 12	7 48.51	+19 25.4	1.767	2.748	1.7	18.8
1 22	7 38.84	+19 48.4	1.769	2.747	2.9	18.9
2 1	7 29.85	+20 9.5	1.800	2.745	7.2	19.2
2 11	7 22.60	+20 26.8	1.857	2.743	11.0	19.4
2 21	7 17.76	+20 39.5	1.938	2.742	14.3	19.6

78731 2002 TT_{239} 1 15.4 8.°01 4.°9/17.4 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 13	8 7.92	+ 6 50.0	2.152	2.941	13.4	19.5
12 23	8 2.98	+ 6 22.1	2.072	2.942	10.7	19.3
1 2	7 56.14	+ 6 7.5	2.015	2.942	7.7	19.1
1 12	7 48.09	+ 6 6.9	1.985	2.942	5.4	19.0
1 22	7 39.67	+ 6 19.5	1.984	2.943	5.2	19.0
2 1	7 31.80	+ 6 43.3	2.011	2.944	7.5	19.1
2 11	7 25.35	+ 7 15.2	2.065	2.945	10.4	19.3
2 21	7 20.90	+ 7 51.6	2.143	2.946	13.2	19.5

160982 2002 CH_{85} 1 15.4 184.°63 0.°0/15.3 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 13	8 13.93	+19 9.4	1.992	2.810	13.3	20.6
12 23	8 7.68	+19 41.9	1.911	2.810	9.9	20.4
1 2	7 59.06	+20 21.6	1.855	2.810	5.9	20.1
1 12	7 48.87	+21 4.6	1.828	2.809	1.5	19.9
1 22	7 38.14	+21 46.5	1.830	2.808	3.0	20.0
2 1	7 28.08	+22 23.6	1.863	2.805	7.2	20.2
2 11	7 19.77	+22 53.8	1.924	2.802	11.1	20.4
2 21	7 13.94	+23 16.5	2.007	2.799	14.4	20.7

413494 2005 PU_{11} 1 15.4 118.°83 0.°9/14.9 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 13	8 14.18	+22 48.3	2.317	3.133	11.7	22.1
12 23	8 7.37	+23 14.2	2.256	3.155	8.6	21.9
1 2	7 58.62	+23 42.3	2.221	3.176	5.0	21.8
1 12	7 48.71	+24 9.1	2.215	3.196	1.5	21.5
1 22	7 38.57	+24 31.4	2.240	3.216	2.8	21.7
2 1	7 29.20	+24 47.2	2.297	3.234	6.4	21.9
2 11	7 21.46	+24 56.0	2.381	3.252	9.5	22.2
2 21	7 15.90	+24 58.3	2.490	3.270	12.2	22.4

468492 2005 GB_{49} 1 15.4 257.°96 0.°8/15.8 17

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 13	8 8.63	+17 23.2	2.437	3.251	11.3	21.9
12 23	8 3.47	+17 36.0	2.342	3.238	8.4	21.7
1 2	7 56.46	+17 55.3	2.272	3.225	5.1	21.5
1 12	7 48.20	+18 19.0	2.232	3.212	1.7	21.2
1 22	7 39.47	+18 44.6	2.221	3.199	2.5	21.2
2 1	7 31.18	+19 9.8	2.241	3.185	6.1	21.4
2 11	7 24.17	+19 32.6	2.289	3.171	9.4	21.6
2 21	7 19.08	+19 51.8	2.361	3.157	12.3	21.8

439873 1999 VP_{142} 1 15.4 121.°85 1.°1/15.0 17

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 13	8 17.00	+21 23.3	1.555	2.385	15.8	22.0
12 23	8 10.32	+22 4.0	1.494	2.399	11.6	21.8
1 2	8 0.74	+22 51.1	1.456	2.413	6.8	21.5
1 12	7 49.30	+23 38.4	1.446	2.427	1.9	21.3
1 22	7 37.42	+24 20.2	1.464	2.440	3.8	21.4
2 1	7 26.63	+24 52.4	1.510	2.452	8.6	21.7
2 11	7 18.23	+25 13.8	1.583	2.464	12.9	22.0
2 21	7 12.95	+25 25.1	1.676	2.475	16.5	22.3

317558 2002 VF_7 1 15.4 61.°94 2.°5/14.6 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 13	8 15.88	+25 46.3	1.513	2.351	15.7	20.8
12 23	8 9.39	+26 18.5	1.467	2.376	11.5	20.6
1 2	8 0.07	+26 51.3	1.444	2.401	6.9	20.4
1 12	7 49.09	+27 18.6	1.448	2.427	2.8	20.2
1 22	7 37.93	+27 35.9	1.479	2.452	4.5	20.4
2 1	7 28.07	+27 41.0	1.538	2.477	8.8	20.7
2 11	7 20.71	+27 34.9	1.622	2.502	12.7	21.0
2 21	7 16.44	+27 19.8	1.728	2.527	16.0	21.3

333326 2001 QW_{187} 1 15.4 61.°43 2.°2/16.2 18

12 13	8 12.58	+15 12.9	2.091	2.901	13.1	19.7
12 23	8 6.14	+14 48.7	2.041	2.932	9.8	19.5
1 2	7 57.83	+14 31.8	2.015	2.963	6.1	19.4
1 12	7 48.50	+14 21.5	2.018	2.994	2.8	19.2
1 22	7 39.08	+14 16.4	2.050	3.024	3.2	19.3
2 1	7 30.55	+14 15.1	2.113	3.055	6.5	19.5
2 11	7 23.71	+14 16.2	2.203	3.086	9.7	19.8
2 21	7 19.04	+14 18.5	2.317	3.116	12.5	20.0

217466 2005 VV_4 1 15.4 129.°40 0.°4/15.6 18

12 13	8 11.50	+16 29.5	2.065	2.880	13.0	20.8
12 23	8 5.75	+17 25.7	1.993	2.890	9.6	20.6
1 2	7 57.86	+18 31.8	1.946	2.900	5.8	20.4
1 12	7 48.57	+19 43.5	1.928	2.909	1.6	20.1
1 22	7 38.84	+20 55.4	1.941	2.918	2.7	20.3
2 1	7 29.74	+22 2.7	1.984	2.927	6.8	20.5
2 11	7 22.27	+23 1.9	2.055	2.935	10.4	20.8
2 21	7 17.08	+23 51.4	2.151	2.943	13.5	21.0

129808 1999 KF_{18} 1 15.4 185.°86 5.°1/17.9 18

12 13	8 11.90	+ 4 42.3	2.151	2.925	13.9	20.9
12 23	8 5.95	+ 4 38.6	2.066	2.925	11.2	20.7
1 2	7 57.95	+ 4 51.3	2.004	2.925	8.2	20.5
1 12	7 48.60	+ 5 20.3	1.969	2.923	5.7	20.4
1 22	7 38.78	+ 6 3.9	1.963	2.921	5.4	20.3
2 1	7 29.49	+ 6 58.6	1.987	2.918	7.7	20.5
2 11	7 21.69	+ 8 0.1	2.039	2.914	10.7	20.6
2 21	7 16.01	+ 9 3.7	2.115	2.910	13.6	20.8

340595 2006 QB_2 1 15.4 133.°17 0.°4/15.2 18

12 13	8 9.69	+21 46.4	2.660	3.476	10.4	21.2
12 23	8 3.97	+21 58.3	2.586	3.485	7.6	21.0
1 2	7 56.60	+22 12.7	2.538	3.493	4.5	20.8
1 12	7 48.21	+22 27.3	2.520	3.502	1.2	20.6
1 22	7 39.57	+22 39.7	2.533	3.510	2.3	20.7
2 1	7 31.49	+22 48.6	2.577	3.518	5.6	20.9
2 11	7 24.71	+22 53.0	2.649	3.525	8.5	21.1
2 21	7 19.74	+22 53.2	2.746	3.532	11.1	21.3

108981 2001 PL_{48} 1 15.4 106.°67 5.°5/12.8 18

12 13	8 15.25	+38 40.2	2.468	3.279	11.3	20.2
12 23	8 8.39	+39 26.4	2.411	3.293	8.9	20.1
1 2	7 59.33	+40 4.2	2.379	3.307	6.7	20.0
1 12	7 48.92	+40 28.0	2.376	3.321	5.5	19.9
1 22	7 38.25	+40 34.5	2.402	3.335	6.3	20.0
2 1	7 28.46	+40 23.0	2.456	3.348	8.4	20.2
2 11	7 20.52	+39 55.8	2.536	3.361	10.6	20.3
2 21	7 15.01	+39 16.4	2.639	3.374	12.7	20.5

217944 2001 TX_{210} 1 15.4 207.°30 4.°6/13.9 18

12 13	8 18.15	+34 4.0	2.007	2.828	13.1	20.4
12 23	8 10.93	+34 26.3	1.930	2.825	10.0	20.2
1 2	8 1.03	+34 41.9	1.877	2.821	6.8	20.0
1 12	7 49.39	+34 45.0	1.853	2.818	4.7	19.9
1 22	7 37.32	+34 31.8	1.857	2.814	5.8	19.9
2 1	7 26.21	+34 1.7	1.891	2.810	8.8	20.1
2 11	7 17.28	+33 17.4	1.950	2.805	12.1	20.3
2 21	7 11.23	+32 23.3	2.033	2.801	15.0	20.5

120853 1998 QK_4 1 15.4 87.°85 4.°0/13.9 17

12 13	8 18.12	+26 40.1	1.412	2.252	16.6	20.2
12 23	8 11.44	+27 58.4	1.364	2.273	12.2	20.0
1 2	8 1.51	+29 18.1	1.339	2.295	7.6	19.8
1 12	7 49.52	+30 29.5	1.341	2.316	4.1	19.6
1 22	7 37.12	+31 24.6	1.370	2.337	5.9	19.8
2 1	7 26.07	+31 59.3	1.427	2.358	10.1	20.1
2 11	7 17.78	+32 14.4	1.508	2.378	14.1	20.4
2 21	7 12.99	+32 13.5	1.609	2.397	17.5	20.6

53187 1999 CD_{48} 1 15.4 216.°70 5.°1/13.4 18

12 13	8 18.81	+37 0.6	2.417	3.225	11.6	19.3
12 23	8 11.17	+37 30.9	2.332	3.216	9.0	19.1
1 2	8 1.09	+37 53.4	2.273	3.207	6.5	18.9
1 12	7 49.41	+38 2.6	2.242	3.197	5.1	18.8
1 22	7 37.26	+37 54.8	2.242	3.186	6.0	18.8
2 1	7 25.92	+37 29.2	2.271	3.175	8.4	19.0
2 11	7 16.47	+36 48.1	2.328	3.163	11.1	19.1
2 21	7 9.64	+35 55.6	2.407	3.150	13.6	19.3

167109 2003 SK_{74} 1 15.4 169.°46 2.°3/14.6 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 13	8 16.19	+26 27.8	1.871	2.697	13.7	20.5
12 23	8 9.49	+26 52.6	1.797	2.701	10.1	20.3
1 2	8 0.18	+27 17.4	1.748	2.703	6.2	20.1
1 12	7 49.18	+27 37.3	1.727	2.705	2.6	19.8
1 22	7 37.72	+27 48.2	1.735	2.707	4.1	19.9
2 1	7 27.15	+27 48.2	1.773	2.708	8.1	20.2
2 11	7 18.64	+27 37.7	1.837	2.709	11.9	20.4
2 21	7 12.93	+27 18.9	1.923	2.709	15.1	20.6

424756 2008 TZ_{44} 1 15.4 16.°99 5.°5/12.9 18

12 13	8 12.50	+34 17.9	1.915	2.746	13.2	21.0
12 23	8 6.95	+35 16.9	1.849	2.749	10.1	20.8
1 2	7 58.76	+36 10.8	1.808	2.751	7.2	20.6
1 12	7 48.82	+36 52.4	1.794	2.754	5.5	20.5
1 22	7 38.40	+37 16.5	1.807	2.757	6.7	20.6
2 1	7 28.86	+37 21.0	1.848	2.760	9.5	20.8
2 11	7 21.41	+37 7.3	1.914	2.763	12.5	21.0
2 21	7 16.79	+36 39.1	2.001	2.767	15.3	21.2

243740 2000 QM_{21} 1 15.4 172.°71 4.°1/18.2 18

12 13	8 6.42	+ 3 50.0	3.042	3.803	10.5	21.7
12 23	8 1.41	+ 3 56.2	2.955	3.805	8.5	21.5
1 2	7 55.06	+ 4 14.8	2.894	3.808	6.3	21.4
1 12	7 47.83	+ 4 45.5	2.860	3.810	4.5	21.3
1 22	7 40.34	+ 5 26.8	2.857	3.811	4.2	21.3
2 1	7 33.20	+ 6 16.4	2.885	3.812	5.8	21.4
2 11	7 27.04	+ 7 11.3	2.942	3.813	7.9	21.5
2 21	7 22.31	+ 8 8.2	3.025	3.813	10.1	21.7

462002 2006 WG_{161} 1 15.4 47.°62 1.°2/15.8 18

12 13	8 11.40	+17 15.2	1.684	2.512	14.9	21.8
12 23	8 6.05	+17 22.6	1.612	2.515	11.1	21.5
1 2	7 58.19	+17 38.8	1.564	2.519	6.8	21.3
1 12	7 48.68	+18 1.1	1.542	2.522	2.2	21.0
1 22	7 38.71	+18 26.0	1.548	2.526	3.2	21.1
2 1	7 29.56	+18 50.4	1.583	2.530	7.8	21.4
2 11	7 22.38	+19 11.8	1.643	2.534	12.0	21.6
2 21	7 17.89	+19 28.9	1.726	2.538	15.5	21.9

235599 2004 PB_{52} 1 15.4 107.°45 2.°2/16.4 18

12 13	8 13.66	+12 34.6	1.622	2.437	16.0	20.4
12 23	8 7.69	+13 13.3	1.559	2.453	12.0	20.1
1 2	7 59.13	+14 7.4	1.519	2.468	7.6	19.9
1 12	7 48.92	+15 12.7	1.506	2.483	3.1	19.7
1 22	7 38.28	+16 23.6	1.521	2.498	3.6	19.7
2 1	7 28.54	+17 34.0	1.566	2.512	7.9	20.0
2 11	7 20.88	+18 39.1	1.637	2.526	12.1	20.3
2 21	7 16.01	+19 35.9	1.731	2.539	15.6	20.6

269059 2007 GU_{30} 1 15.4 161.°97 1.°8/14.6 18

12 13	8 11.89	+25 18.8	2.210	3.035	11.9	21.6
12 23	8 6.01	+25 50.5	2.135	3.038	8.8	21.4
1 2	7 58.00	+26 23.6	2.085	3.040	5.3	21.1
1 12	7 48.62	+26 53.7	2.064	3.043	2.1	20.9
1 22	7 38.84	+27 17.4	2.073	3.045	3.5	21.0
2 1	7 29.73	+27 32.3	2.111	3.047	7.0	21.3
2 11	7 22.25	+27 37.8	2.177	3.048	10.3	21.5
2 21	7 17.05	+27 35.0	2.267	3.050	13.2	21.7

84730 2002 WB_{10} 1 15.4 22.°93 5.°6/12.6 18

12 13	8 12.58	+29 42.3	1.518	2.363	15.3	19.1
12 23	8 7.60	+31 28.3	1.457	2.367	11.5	18.9
1 2	7 59.45	+33 15.6	1.419	2.370	7.8	18.7
1 12	7 49.08	+34 53.4	1.408	2.375	5.6	18.6
1 22	7 37.94	+36 11.9	1.424	2.379	7.4	18.7
2 1	7 27.74	+37 5.5	1.467	2.385	11.0	18.9
2 11	7 20.01	+37 34.1	1.533	2.390	14.7	19.1
2 21	7 15.65	+37 41.2	1.619	2.396	17.9	19.4

422512 2014 TA_6 1 15.4 84.°04 0.°5/15.2 18

12 13	8 12.14	+20 56.1	1.809	2.638	13.9	21.3
12 23	8 6.44	+21 23.9	1.743	2.649	10.3	21.1
1 2	7 58.34	+21 57.2	1.702	2.660	6.0	20.9
1 12	7 48.72	+22 31.8	1.689	2.670	1.6	20.6
1 22	7 38.72	+23 3.5	1.704	2.681	3.2	20.7
2 1	7 29.58	+23 29.1	1.748	2.692	7.5	21.0
2 11	7 22.35	+23 47.1	1.819	2.702	11.4	21.3
2 21	7 17.72	+23 57.6	1.912	2.713	14.6	21.5

374189 2005 AR_{49} 1 15.4 7.°29 1.°6/15.8 18

12 13	8 11.14	+18 2.5	1.813	2.639	14.1	20.2
12 23	8 5.69	+17 37.1	1.738	2.640	10.5	20.0
1 2	7 57.89	+17 17.3	1.687	2.641	6.5	19.7
1 12	7 48.61	+17 1.8	1.662	2.642	2.4	19.5
1 22	7 38.94	+16 49.6	1.667	2.644	3.2	19.5
2 1	7 30.06	+16 39.4	1.700	2.646	7.4	19.8
2 11	7 23.04	+16 30.4	1.759	2.648	11.4	20.0
2 21	7 18.51	+16 21.8	1.841	2.651	14.7	20.3

502923 2015 EO_{25} 1 15.4 297.°27 4.°0/13.8 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 13	8 12.81	+33 8.3	2.286	3.110	11.6	21.0
12 23	8 6.75	+33 36.2	2.210	3.107	8.8	20.8
1 2	7 58.46	+33 59.1	2.159	3.105	6.0	20.6
1 12	7 48.75	+34 12.5	2.137	3.103	4.1	20.5
1 22	7 38.67	+34 12.9	2.144	3.101	5.1	20.5
2 1	7 29.32	+33 59.2	2.179	3.098	7.8	20.7
2 11	7 21.73	+33 32.7	2.242	3.096	10.7	20.9
2 21	7 16.53	+32 56.3	2.327	3.094	13.3	21.1

421049 2013 QP 1 15.4 77.°59 4.°6/17.8 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 13	8 8.70	+ 6 21.0	1.944	2.736	14.5	21.4
12 23	8 3.72	+ 6 26.9	1.871	2.744	11.5	21.3
1 2	7 56.68	+ 6 49.8	1.821	2.751	8.1	21.1
1 12	7 48.30	+ 7 29.0	1.797	2.759	5.3	20.9
1 22	7 39.53	+ 8 21.7	1.801	2.766	5.0	20.9
2 1	7 31.41	+ 9 23.7	1.834	2.773	7.6	21.1
2 11	7 24.87	+10 29.9	1.895	2.781	10.8	21.3
2 21	7 20.53	+11 35.7	1.978	2.788	13.9	21.5

415688 5113 $T\text{-}_2$ 1 15.4 59.°58 4.°6/17.0 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 13	8 12.87	+ 9 48.1	1.655	2.462	16.1	20.6
12 23	8 6.79	+ 9 17.0	1.605	2.489	12.4	20.4
1 2	7 58.41	+ 9 0.5	1.578	2.516	8.5	20.3
1 12	7 48.71	+ 8 58.3	1.577	2.543	5.2	20.1
1 22	7 38.86	+ 9 8.9	1.603	2.570	5.2	20.2
2 1	7 30.04	+ 9 29.4	1.658	2.598	8.2	20.4
2 11	7 23.23	+ 9 56.1	1.739	2.625	11.7	20.7
2 21	7 18.98	+10 25.4	1.842	2.652	14.7	21.0

304137 2006 KP_{70} 1 15.4 18.°90 3.°1/16.6 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 13	8 10.44	+12 41.7	1.383	2.214	17.4	20.5
12 23	8 5.77	+12 47.8	1.315	2.216	13.2	20.3
1 2	7 58.22	+13 10.1	1.268	2.219	8.5	20.0
1 12	7 48.75	+13 46.5	1.246	2.222	4.0	19.8
1 22	7 38.69	+14 32.6	1.250	2.226	4.3	19.8
2 1	7 29.55	+15 23.2	1.281	2.230	8.9	20.1
2 11	7 22.67	+16 13.3	1.336	2.235	13.5	20.4
2 21	7 18.86	+16 59.0	1.411	2.239	17.5	20.6

433810 2015 BF_{119} 1 15.4 199.°15 3.°0/14.1 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 13	8 11.81	+30 18.1	2.469	3.292	10.9	21.1
12 23	8 5.84	+30 43.9	2.391	3.290	8.2	20.9
1 2	7 57.86	+31 7.0	2.339	3.289	5.2	20.8
1 12	7 48.60	+31 23.4	2.315	3.287	3.1	20.6
1 22	7 38.99	+31 30.2	2.322	3.286	4.1	20.7
2 1	7 30.02	+31 25.8	2.358	3.284	7.0	20.9
2 11	7 22.59	+31 10.9	2.422	3.282	9.9	21.0
2 21	7 17.31	+30 47.4	2.509	3.280	12.4	21.2

426140 2012 HJ_{29} 1 15.4 253.°08 7.°9/18.2 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 13	8 9.52	− 0 9.0	2.078	2.836	14.9	20.9
12 23	8 4.30	− 1 5.6	1.992	2.829	12.5	20.7
1 2	7 57.05	− 1 45.0	1.928	2.822	10.1	20.5
1 12	7 48.42	− 2 4.2	1.890	2.815	8.3	20.4
1 22	7 39.31	− 2 2.1	1.878	2.808	8.0	20.4
2 1	7 30.70	− 1 40.1	1.894	2.801	9.6	20.5
2 11	7 23.55	− 1 1.8	1.935	2.794	12.0	20.6
2 21	7 18.51	− 0 12.4	1.999	2.787	14.5	20.7

272869 2006 BO_{80} 1 15.4 211.°78 3.°3/13.9 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 13	8 13.01	+30 45.0	2.406	3.227	11.2	21.0
12 23	8 6.83	+31 19.7	2.324	3.222	8.4	20.9
1 2	7 58.51	+31 51.8	2.269	3.217	5.5	20.7
1 12	7 48.79	+32 16.7	2.242	3.212	3.4	20.5
1 22	7 38.63	+32 30.8	2.245	3.206	4.5	20.6
2 1	7 29.10	+32 32.3	2.278	3.200	7.4	20.7
2 11	7 21.18	+32 21.7	2.338	3.194	10.3	20.9
2 21	7 15.51	+32 1.1	2.421	3.187	12.9	21.1

500749 2013 AP_{60} 1 15.4 176.°05 3.°9/18.3 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 13	8 8.19	+ 1 8.3	4.287	5.014	8.2	24.1
12 23	8 2.32	+ 0 52.4	4.195	5.018	6.7	24.0
1 2	7 55.45	+ 0 45.6	4.130	5.021	5.2	23.9
1 12	7 47.96	+ 0 48.3	4.095	5.023	4.1	23.8
1 22	7 40.27	+ 1 0.0	4.091	5.024	3.9	23.8
2 1	7 32.86	+ 1 19.7	4.119	5.025	4.9	23.9
2 11	7 26.15	+ 1 45.9	4.178	5.024	6.4	24.0
2 21	7 20.51	+ 2 16.5	4.264	5.023	7.9	24.1

468284 2015 DQ_{80} 1 15.4 16.°88 0.°9/15.0 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 13	8 8.90	+21 51.2	2.094	2.923	12.3	21.4
12 23	8 3.91	+22 23.5	2.018	2.924	9.1	21.2
1 2	7 56.82	+23 0.4	1.968	2.926	5.3	20.9
1 12	7 48.36	+23 38.1	1.946	2.928	1.5	20.7
1 22	7 39.49	+24 12.6	1.954	2.930	3.0	20.8
2 1	7 31.25	+24 41.0	1.990	2.932	6.9	21.0
2 11	7 24.60	+25 1.8	2.054	2.934	10.4	21.3
2 21	7 20.18	+25 14.7	2.140	2.937	13.4	21.5

411840 2012 DW_{55} 1 15.4 333.°37 3.°6/14.4 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 13	8 13.71	+29 7.4	1.513	2.356	15.5	20.2
12 23	8 8.34	+29 28.4	1.437	2.348	11.6	20.0
1 2	7 59.82	+29 47.2	1.384	2.340	7.3	19.7
1 12	7 49.19	+29 57.7	1.357	2.333	3.8	19.5
1 22	7 37.90	+29 54.9	1.357	2.326	5.4	19.5
2 1	7 27.64	+29 37.1	1.383	2.320	9.7	19.8
2 11	7 19.84	+29 6.0	1.433	2.314	14.0	20.0
2 21	7 15.35	+28 25.2	1.504	2.309	17.7	20.2

424949 2008 YW_{125} 1 15.4 39.°72 0.°4/15.2 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 13	8 8.78	+20 6.0	1.960	2.789	13.0	20.7
12 23	8 3.85	+20 41.7	1.893	2.799	9.6	20.5
1 2	7 56.79	+21 23.8	1.852	2.809	5.6	20.2
1 12	7 48.35	+22 8.1	1.838	2.820	1.4	20.0
1 22	7 39.56	+22 50.5	1.853	2.830	2.9	20.1
2 1	7 31.48	+23 27.4	1.897	2.841	7.0	20.4
2 11	7 25.09	+23 56.7	1.968	2.853	10.6	20.6
2 21	7 21.00	+24 18.0	2.062	2.864	13.7	20.8

423678 2005 YS_{198} 1 15.4 26.°42 2.°1/15.9 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 13	8 12.56	+17 10.1	1.785	2.607	14.4	20.7
12 23	8 6.73	+16 37.2	1.711	2.610	10.8	20.4
1 2	7 58.52	+16 10.2	1.661	2.613	6.7	20.2
1 12	7 48.81	+15 48.6	1.639	2.617	2.8	20.0
1 22	7 38.71	+15 31.4	1.645	2.621	3.5	20.0
2 1	7 29.46	+15 17.7	1.680	2.625	7.6	20.3
2 11	7 22.12	+15 6.8	1.741	2.629	11.5	20.5
2 21	7 17.34	+14 57.6	1.825	2.634	14.9	20.7

39006 2000 UH_{40} 1 15.4 305.°56 3.°8/16.6 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 13	8 11.81	+12 19.1	1.523	2.345	16.5	19.0
12 23	8 6.64	+11 59.1	1.445	2.340	12.7	18.8
1 2	7 58.71	+11 52.5	1.389	2.336	8.4	18.5
1 12	7 48.90	+11 58.8	1.358	2.331	4.5	18.3
1 22	7 38.47	+12 16.1	1.354	2.327	4.8	18.3
2 1	7 28.83	+12 41.4	1.378	2.323	8.9	18.5
2 11	7 21.28	+13 10.9	1.426	2.319	13.2	18.8
2 21	7 16.64	+13 41.2	1.495	2.316	17.1	19.0

308048 2004 TV_{35} 1 15.4 120.°89 2.°9/16.5 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 13	8 14.03	+12 50.4	1.690	2.502	15.5	21.7
12 23	8 7.87	+12 49.7	1.623	2.515	11.8	21.5
1 2	7 59.22	+13 1.5	1.579	2.526	7.6	21.3
1 12	7 48.99	+13 24.1	1.563	2.538	3.7	21.0
1 22	7 38.37	+13 54.3	1.575	2.549	4.0	21.1
2 1	7 28.64	+14 28.5	1.615	2.560	7.9	21.3
2 11	7 20.92	+15 3.4	1.682	2.570	11.9	21.6
2 21	7 15.89	+15 36.1	1.771	2.579	15.3	21.8

465200 2007 JB_{28} 1 15.4 323.°86 6.°1/17.6 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 13	8 8.93	+ 5 31.2	1.872	2.664	15.1	21.2
12 23	8 4.04	+ 4 51.2	1.790	2.659	12.2	21.0
1 2	7 56.97	+ 4 26.7	1.731	2.654	9.1	20.8
1 12	7 48.43	+ 4 19.5	1.696	2.649	6.6	20.7
1 22	7 39.40	+ 4 29.3	1.690	2.645	6.4	20.6
2 1	7 30.97	+ 4 54.2	1.710	2.641	8.7	20.8
2 11	7 24.15	+ 5 30.3	1.756	2.637	11.9	20.9
2 21	7 19.63	+ 6 13.1	1.825	2.633	14.9	21.1

271416 2004 CK_{111} 1 15.4 262.°85 0.°3/15.3 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 13	8 12.90	+21 14.5	1.787	2.616	14.1	20.9
12 23	8 7.23	+21 22.9	1.704	2.609	10.5	20.6
1 2	7 58.98	+21 36.1	1.644	2.601	6.3	20.3
1 12	7 48.98	+21 50.6	1.611	2.593	1.6	20.0
1 22	7 38.38	+22 3.0	1.608	2.585	3.2	20.1
2 1	7 28.52	+22 10.9	1.632	2.577	7.8	20.4
2 11	7 20.59	+22 13.2	1.683	2.569	12.0	20.6
2 21	7 15.37	+22 10.2	1.757	2.561	15.6	20.8

43867 1994 PO_{28} 1 15.4 97.°69 1.°1/15.0 18 R

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 13	8 14.73	+22 31.6	1.770	2.598	14.3	19.7
12 23	8 8.34	+23 0.0	1.710	2.615	10.5	19.5
1 2	7 59.47	+23 32.1	1.675	2.632	6.2	19.3
1 12	7 49.06	+24 3.4	1.667	2.649	1.8	19.0
1 22	7 38.33	+24 29.5	1.689	2.665	3.4	19.2
2 1	7 28.58	+24 47.6	1.740	2.681	7.7	19.5
2 11	7 20.91	+24 57.1	1.816	2.696	11.6	19.8
2 21	7 15.96	+24 58.8	1.916	2.712	14.8	20.0

159987 2006 CT_{56} 1 15.4 193.°41 0.°7/15.7 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 13	8 14.43	+17 52.8	2.082	2.894	13.0	21.2
12 23	8 7.98	+18 6.8	1.996	2.892	9.7	20.9
1 2	7 59.27	+18 27.8	1.936	2.889	5.9	20.7
1 12	7 49.03	+18 52.9	1.905	2.885	1.8	20.4
1 22	7 38.29	+19 18.9	1.904	2.881	2.8	20.5
2 1	7 28.18	+19 43.1	1.933	2.876	7.0	20.7
2 11	7 19.73	+20 3.5	1.990	2.870	10.7	21.0
2 21	7 13.66	+20 19.5	2.071	2.863	14.0	21.2

403551 2010 JX_{68} 1 15.4 50.°53 2.°2/15.2 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 13	8 22.11	+28 25.6	1.369	2.205	17.2	20.2
12 23	8 13.98	+27 54.7	1.324	2.231	12.7	20.0
1 2	8 2.74	+27 18.8	1.301	2.258	7.6	19.8
1 12	7 49.84	+26 34.6	1.305	2.285	2.8	19.6
1 22	7 37.05	+25 41.4	1.337	2.312	4.3	19.7
2 1	7 26.03	+24 41.6	1.397	2.340	9.1	20.1
2 11	7 17.99	+23 39.1	1.482	2.368	13.4	20.4
2 21	7 13.42	+22 37.6	1.589	2.396	16.9	20.7

285703 2000 ST_{223} 1 15.4 54.°11 4.°5/14.1 17

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 13	8 17.01	+29 7.4	1.281	2.128	17.4	20.5
12 23	8 10.82	+29 58.3	1.237	2.149	12.9	20.3
1 2	8 1.21	+30 46.7	1.215	2.170	8.2	20.1
1 12	7 49.52	+31 23.8	1.217	2.192	4.7	19.9
1 22	7 37.56	+31 43.3	1.247	2.214	6.3	20.1
2 1	7 27.17	+31 43.5	1.301	2.236	10.5	20.4
2 11	7 19.76	+31 26.7	1.380	2.258	14.6	20.7
2 21	7 15.98	+30 57.6	1.478	2.280	18.1	21.0

101468 1998 WJ_{16} 1 15.4 86.°22 1.°9/16.2 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 13	8 14.30	+14 56.9	1.794	2.608	14.7	20.2
12 23	8 7.80	+15 3.3	1.740	2.634	11.0	20.0
1 2	7 59.04	+15 19.5	1.710	2.660	6.8	19.8
1 12	7 48.94	+15 43.0	1.708	2.686	2.7	19.6
1 22	7 38.65	+16 10.5	1.735	2.711	3.3	19.7
2 1	7 29.33	+16 38.9	1.791	2.736	7.2	20.0
2 11	7 21.97	+17 5.7	1.875	2.760	11.0	20.3
2 21	7 17.14	+17 29.1	1.981	2.784	14.1	20.5

38335 1999 RN_{134} 1 15.4 155.°97 0.°0/15.4 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 13	8 15.25	+20 37.4	1.908	2.728	13.7	18.8
12 23	8 8.65	+20 42.9	1.834	2.735	10.1	18.6
1 2	7 59.66	+20 52.7	1.785	2.740	6.0	18.3
1 12	7 49.14	+21 3.8	1.764	2.746	1.6	18.0
1 22	7 38.21	+21 13.2	1.773	2.750	3.0	18.1
2 1	7 28.11	+21 18.9	1.811	2.754	7.3	18.4
2 11	7 19.92	+21 20.2	1.877	2.758	11.2	18.7
2 21	7 14.31	+21 17.2	1.965	2.761	14.5	18.9

229260 2005 AJ_{17} 1 15.4 283.°21 0.°8/15.9 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 13	8 8.86	+15 8.5	2.101	2.917	12.8	20.0
12 23	8 3.95	+16 4.6	2.015	2.912	9.6	19.8
1 2	7 56.94	+17 12.7	1.953	2.907	5.8	19.5
1 12	7 48.47	+18 28.9	1.921	2.901	1.8	19.3
1 22	7 39.43	+19 48.2	1.918	2.896	2.7	19.3
2 1	7 30.88	+21 5.1	1.946	2.891	6.8	19.6
2 11	7 23.80	+22 15.3	2.002	2.886	10.5	19.8
2 21	7 18.89	+23 16.4	2.081	2.880	13.7	20.0

450163 2001 ML_{31} 1 15.4 172.°85 0.°1/15.5 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 13	8 17.18	+20 23.0	1.975	2.790	13.5	22.1
12 23	8 10.05	+20 30.6	1.897	2.794	10.0	21.9
1 2	8 0.50	+20 42.6	1.844	2.798	6.0	21.6
1 12	7 49.37	+20 55.9	1.819	2.801	1.6	21.3
1 22	7 37.80	+21 7.3	1.825	2.802	2.9	21.4
2 1	7 27.03	+21 14.9	1.862	2.803	7.3	21.7
2 11	7 18.15	+21 17.9	1.926	2.803	11.1	22.0
2 21	7 11.85	+21 16.3	2.013	2.802	14.4	22.2

56204 1999 GQ_{22} 1 15.4 327.°34 2.°8/14.7 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 13	8 10.63	+26 46.8	1.308	2.163	16.7	18.2
12 23	8 6.72	+26 58.1	1.216	2.134	12.6	17.8
1 2	7 59.28	+27 9.9	1.145	2.105	7.8	17.5
1 12	7 49.20	+27 16.4	1.098	2.078	3.3	17.1
1 22	7 37.97	+27 12.0	1.076	2.051	5.2	17.2
2 1	7 27.50	+26 53.9	1.080	2.026	10.7	17.4
2 11	7 19.62	+26 22.7	1.105	2.002	15.9	17.6
2 21	7 15.47	+25 41.8	1.150	1.979	20.6	17.8

201671 2003 UZ_{70} 1 15.4 115.°57 3.°2/16.8 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 13	8 9.69	+11 20.9	2.259	3.059	12.5	20.7
12 23	8 4.20	+11 3.9	2.184	3.066	9.6	20.6
1 2	7 56.88	+10 56.7	2.133	3.073	6.5	20.4
1 12	7 48.42	+10 59.0	2.110	3.080	3.7	20.2
1 22	7 39.64	+11 9.3	2.117	3.087	3.8	20.2
2 1	7 31.47	+11 25.9	2.153	3.093	6.6	20.4
2 11	7 24.72	+11 46.3	2.217	3.100	9.7	20.6
2 21	7 19.94	+12 8.2	2.306	3.106	12.5	20.8

426280 2012 SL_{55} 1 15.4 187.°35 3.°7/17.4 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 13	8 7.22	+ 7 54.1	2.550	3.336	11.7	21.7
12 23	8 2.28	+ 7 46.9	2.465	3.335	9.2	21.5
1 2	7 55.73	+ 7 51.1	2.405	3.335	6.5	21.3
1 12	7 48.13	+ 8 6.6	2.373	3.335	4.2	21.2
1 22	7 40.20	+ 8 32.0	2.370	3.334	4.1	21.2
2 1	7 32.72	+ 9 5.0	2.398	3.333	6.3	21.3
2 11	7 26.42	+ 9 42.8	2.453	3.332	9.0	21.5
2 21	7 21.82	+10 22.5	2.533	3.331	11.5	21.6

256285 2006 WZ_{115} 1 15.4 66.°32 0.°5/15.6 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 13	8 12.00	+18 11.7	1.652	2.482	15.0	20.5
12 23	8 6.50	+18 34.4	1.590	2.495	11.1	20.3
1 2	7 58.48	+19 5.7	1.551	2.508	6.6	20.1
1 12	7 48.86	+19 41.7	1.539	2.521	1.9	19.8
1 22	7 38.87	+20 18.0	1.556	2.534	3.1	19.9
2 1	7 29.79	+20 50.8	1.600	2.547	7.8	20.2
2 11	7 22.76	+21 17.8	1.671	2.560	11.9	20.5
2 21	7 18.45	+21 38.0	1.763	2.573	15.3	20.7

368672 2005 OZ_{13} 1 15.4 180.°44 11.°5/21.9 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 13	8 14.23	− 8 22.5	1.288	2.035	22.8	21.4
12 23	8 8.89	− 8 7.8	1.212	2.037	19.7	21.2
1 2	8 0.32	− 7 10.1	1.153	2.037	16.1	20.9
1 12	7 49.43	− 5 25.0	1.114	2.037	12.9	20.7
1 22	7 37.67	− 2 55.5	1.100	2.037	11.5	20.7
2 1	7 26.73	+ 0 7.3	1.112	2.036	13.0	20.7
2 11	7 18.21	+ 3 26.1	1.150	2.035	16.4	20.9
2 21	7 13.10	+ 6 43.9	1.210	2.034	20.1	21.2

187735 2008 FD_{106} 1 15.4 311.°28 1.°4/15.9 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 13	8 9.41	+16 2.8	1.573	2.406	15.5	20.2
12 23	8 5.04	+16 20.7	1.483	2.389	11.7	20.0
1 2	7 57.92	+16 50.9	1.417	2.372	7.3	19.7
1 12	7 48.80	+17 30.7	1.375	2.356	2.5	19.3
1 22	7 38.87	+18 15.7	1.361	2.339	3.5	19.4
2 1	7 29.53	+19 1.3	1.375	2.324	8.5	19.6
2 11	7 22.17	+19 43.3	1.413	2.309	13.2	19.8
2 21	7 17.68	+20 19.2	1.473	2.294	17.2	20.1

309343 2007 TO_{25} 1 15.4 78.°76 5.°3/17.5 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 13	8 12.65	+ 7 34.2	1.572	2.375	16.9	21.3
12 23	8 6.91	+ 7 15.8	1.513	2.393	13.3	21.1
1 2	7 58.69	+ 7 15.3	1.476	2.410	9.3	20.9
1 12	7 48.92	+ 7 32.7	1.464	2.428	6.0	20.7
1 22	7 38.82	+ 8 5.4	1.480	2.445	5.8	20.8
2 1	7 29.69	+ 8 49.4	1.523	2.462	8.8	21.0
2 11	7 22.62	+ 9 39.4	1.591	2.479	12.4	21.2
2 21	7 18.26	+10 30.6	1.682	2.496	15.7	21.5

368701 2005 SZ_{171} 1 15.4 295.°20 7.°0/13.0 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 13	8 17.24	+37 52.1	1.754	2.580	14.5	20.5
12 23	8 10.99	+38 40.8	1.675	2.567	11.5	20.3
1 2	8 1.47	+39 20.8	1.618	2.554	8.6	20.1
1 12	7 49.71	+39 43.5	1.588	2.540	7.0	19.9
1 22	7 37.22	+39 42.9	1.585	2.527	8.1	20.0
2 1	7 25.72	+39 17.3	1.608	2.514	11.0	20.1
2 11	7 16.76	+38 30.1	1.655	2.501	14.3	20.3
2 21	7 11.21	+37 27.2	1.723	2.488	17.4	20.5

103109 1999 XN_{177} 1 15.4 322.°31 3.°4/14.2 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 13	8 12.63	+27 1.3	1.514	2.358	15.4	18.7
12 23	8 7.61	+27 45.9	1.438	2.350	11.5	18.5
1 2	7 59.49	+28 32.6	1.385	2.342	7.2	18.2
1 12	7 49.21	+29 14.2	1.357	2.335	3.6	17.9
1 22	7 38.17	+29 44.4	1.357	2.327	5.3	18.0
2 1	7 28.03	+29 59.3	1.384	2.321	9.7	18.3
2 11	7 20.26	+29 58.7	1.434	2.314	14.1	18.5
2 21	7 15.76	+29 45.2	1.505	2.308	17.8	18.7

81371 2000 GB_{65} 1 15.4 255.°89 7.°4/18.3 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 13	8 9.69	+ 1 17.1	1.937	2.707	15.4	19.4
12 23	8 4.64	+ 0 40.3	1.848	2.697	12.8	19.2
1 2	7 57.39	+ 0 22.0	1.781	2.686	10.0	19.0
1 12	7 48.63	+ 0 24.6	1.738	2.676	7.9	18.9
1 22	7 39.28	+ 0 48.3	1.723	2.666	7.5	18.9
2 1	7 30.44	+ 1 30.9	1.735	2.655	9.4	18.9
2 11	7 23.14	+ 2 27.5	1.772	2.644	12.3	19.1
2 21	7 18.11	+ 3 32.5	1.832	2.633	15.2	19.3

503310 2016 AF_{124} 1 15.4 17.°99 2.°5/16.7 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 13	8 8.60	+11 1.9	1.492	2.317	16.6	20.4
12 23	8 4.32	+11 51.9	1.422	2.320	12.7	20.1
1 2	7 57.38	+13 1.6	1.374	2.325	8.1	19.9
1 12	7 48.63	+14 27.2	1.352	2.329	3.6	19.6
1 22	7 39.30	+16 1.8	1.358	2.335	3.8	19.7
2 1	7 30.74	+17 37.2	1.391	2.341	8.3	19.9
2 11	7 24.22	+19 6.6	1.450	2.347	12.8	20.2
2 21	7 20.54	+20 25.2	1.531	2.354	16.6	20.5

10970 de Zeeuw 1 15.4 146.°83 0.°9/15.1 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 13	8 12.52	+22 32.1	2.190	3.011	12.1	18.6
12 23	8 6.46	+22 55.0	2.117	3.018	8.9	18.4
1 2	7 58.31	+23 21.1	2.069	3.025	5.3	18.2
1 12	7 48.83	+23 46.6	2.050	3.031	1.5	18.0
1 22	7 38.98	+24 8.4	2.061	3.037	2.9	18.1
2 1	7 29.83	+24 24.0	2.102	3.042	6.7	18.3
2 11	7 22.30	+24 32.8	2.171	3.047	10.1	18.6
2 21	7 17.03	+24 35.1	2.264	3.052	13.0	18.8

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
293645 2007 *PE*			1 15.4	118.°25	3.°7/16.9	18
	h m	° ′			°	m
12 13	8 13.20	+10 39.7	1.728	2.534	15.5	21.0
12 23	8 7.24	+10 36.5	1.660	2.546	11.9	20.8
1 2	7 58.88	+10 47.6	1.616	2.558	8.0	20.5
1 12	7 48.98	+11 11.7	1.598	2.569	4.4	20.4
1 22	7 38.70	+11 45.9	1.609	2.580	4.4	20.4
2 1	7 29.25	+12 26.6	1.648	2.591	7.9	20.6
2 11	7 21.73	+13 9.5	1.714	2.601	11.7	20.9
2 21	7 16.80	+13 51.3	1.802	2.611	15.1	21.1
15617 Fallowfield			1 15.4	170.°64	1.°7/16.1	18
12 13	8 14.32	+15 36.9	1.724	2.542	15.0	18.8
12 23	8 8.23	+15 45.2	1.648	2.545	11.3	18.6
1 2	7 59.57	+16 3.8	1.596	2.547	7.0	18.4
1 12	7 49.19	+16 30.1	1.570	2.549	2.7	18.1
1 22	7 38.28	+17 0.6	1.574	2.551	3.4	18.1
2 1	7 28.17	+17 31.7	1.606	2.551	7.8	18.4
2 11	7 20.03	+18 0.6	1.665	2.552	12.0	18.7
2 21	7 14.63	+18 25.6	1.746	2.552	15.6	18.9
398413 2011 SC_{248}			1 15.4	121.°50	0.°9/15.1	18
12 13	8 16.75	+22 26.3	1.813	2.636	14.2	21.5
12 23	8 9.81	+22 49.9	1.751	2.653	10.4	21.3
1 2	8 0.37	+23 16.9	1.714	2.670	6.1	21.1
1 12	7 49.37	+23 43.0	1.704	2.685	1.7	20.8
1 22	7 38.05	+24 4.1	1.724	2.700	3.3	21.0
2 1	7 27.72	+24 17.7	1.774	2.715	7.6	21.3
2 11	7 19.48	+24 23.4	1.851	2.729	11.5	21.5
2 21	7 13.98	+24 22.0	1.950	2.742	14.7	21.8
499837 2011 *EG*			1 15.4	300.°13	2.°8/16.7	17
12 13	8 8.48	+11 55.0	1.847	2.661	14.3	21.8
12 23	8 3.97	+12 11.8	1.753	2.645	11.0	21.5
1 2	7 57.11	+12 42.9	1.682	2.629	7.2	21.3
1 12	7 48.59	+13 26.7	1.638	2.613	3.5	21.0
1 22	7 39.38	+14 19.9	1.622	2.597	3.7	21.0
2 1	7 30.66	+15 18.0	1.635	2.582	7.6	21.2
2 11	7 23.55	+16 16.3	1.675	2.566	11.7	21.4
2 21	7 18.86	+17 11.2	1.737	2.551	15.3	21.6
457214 2008 JK_{30}			1 15.4	261.°47	3.°2/16.6	17
12 13	8 10.67	+12 1.5	1.991	2.798	13.7	22.3
12 23	8 5.38	+11 51.7	1.897	2.784	10.6	22.1
1 2	7 57.85	+11 52.9	1.826	2.770	7.1	21.8
1 12	7 48.77	+12 4.6	1.783	2.756	3.8	21.6
1 22	7 39.09	+12 25.1	1.769	2.741	4.0	21.6
2 1	7 29.91	+12 51.8	1.784	2.726	7.4	21.8
2 11	7 22.29	+13 21.8	1.825	2.711	11.2	22.0
2 21	7 16.97	+13 52.3	1.890	2.696	14.6	22.2
166557 2002 RH_{97}			1 15.4	158.°05	4.°7/18.3	18
12 13	8 7.89	+ 2 39.2	2.962	3.715	11.0	21.9
12 23	8 2.53	+ 2 28.3	2.880	3.723	8.9	21.8
1 2	7 55.79	+ 2 30.0	2.824	3.730	6.7	21.6
1 12	7 48.18	+ 2 44.6	2.795	3.736	5.0	21.5
1 22	7 40.31	+ 3 11.2	2.797	3.743	4.8	21.5
2 1	7 32.85	+ 3 47.8	2.828	3.748	6.2	21.6
2 11	7 26.42	+ 4 31.4	2.888	3.753	8.3	21.8
2 21	7 21.47	+ 5 19.0	2.974	3.757	10.4	21.9
152667 1998 FR_{11}			1 15.4	204.°68	0.°5/15.8	17
12 13	8 9.68	+17 43.4	3.972	4.764	7.7	23.2
12 23	8 3.63	+18 2.7	3.870	4.756	5.7	23.1
1 2	7 56.37	+18 25.6	3.797	4.746	3.5	22.9
1 12	7 48.33	+18 50.7	3.756	4.736	1.1	22.7
1 22	7 40.01	+19 16.2	3.748	4.725	1.6	22.8
2 1	7 31.94	+19 40.6	3.774	4.712	4.1	22.9
2 11	7 24.66	+20 2.8	3.831	4.699	6.3	23.1
2 21	7 18.59	+20 22.0	3.915	4.685	8.3	23.2
6420 Riheijyaya			1 15.4	121.°00	0.°3/15.6	18
12 13	8 11.58	+20 18.0	2.328	3.145	11.7	17.3
12 23	8 5.59	+20 14.2	2.255	3.153	8.6	17.1
1 2	7 57.72	+20 13.8	2.207	3.161	5.1	16.9
1 12	7 48.69	+20 14.7	2.188	3.169	1.4	16.7
1 22	7 39.38	+20 15.2	2.199	3.177	2.5	16.8
2 1	7 30.74	+20 13.9	2.241	3.184	6.1	17.0
2 11	7 23.60	+20 10.1	2.311	3.191	9.4	17.3
2 21	7 18.52	+20 3.9	2.405	3.198	12.2	17.5
451014 2008 UG_{136}			1 15.4	212.°56	3.°4/14.1	18
12 13	8 16.70	+27 27.8	1.747	2.577	14.3	21.8
12 23	8 10.32	+28 17.7	1.667	2.572	10.7	21.5
1 2	8 0.99	+29 8.9	1.612	2.566	6.7	21.3
1 12	7 49.62	+29 54.5	1.584	2.559	3.5	21.1
1 22	7 37.53	+30 28.2	1.585	2.552	5.1	21.2
2 1	7 26.24	+30 46.6	1.614	2.545	9.1	21.4
2 11	7 17.16	+30 49.5	1.669	2.537	13.1	21.6
2 21	7 11.14	+30 39.6	1.745	2.528	16.5	21.8

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
94044 2000 XW_{53}			1 15.4	84.°32	1.°2/14.9	18
	h m	° ′			°	m
12 13	8 11.43	+22 19.8	1.927	2.756	13.2	19.8
12 23	8 5.92	+22 59.7	1.859	2.765	9.7	19.6
1 2	7 58.11	+23 44.1	1.816	2.774	5.7	19.4
1 12	7 48.82	+24 28.4	1.801	2.782	1.8	19.1
1 22	7 39.12	+25 8.0	1.815	2.791	3.3	19.3
2 1	7 30.17	+25 39.5	1.859	2.799	7.4	19.5
2 11	7 23.03	+26 1.6	1.929	2.808	11.0	19.8
2 21	7 18.36	+26 14.5	2.021	2.816	14.2	20.0
300388 2007 RT_{196}			1 15.4	178.°29	1.°5/14.9	18
12 13	8 15.64	+23 53.0	1.720	2.550	14.5	21.7
12 23	8 9.34	+24 16.6	1.646	2.551	10.8	21.5
1 2	8 0.29	+24 43.3	1.595	2.552	6.4	21.2
1 12	7 49.42	+25 7.9	1.572	2.553	2.1	21.0
1 22	7 38.00	+25 26.2	1.577	2.553	3.8	21.1
2 1	7 27.47	+25 35.3	1.612	2.552	8.3	21.3
2 11	7 19.08	+25 35.1	1.672	2.552	12.4	21.6
2 21	7 13.62	+25 26.8	1.754	2.551	15.9	21.8
371753 2007 FU_{21}			1 15.4	215.°80	3.°8/17.4	18
12 13	8 9.39	+ 7 55.4	2.362	3.148	12.5	21.5
12 23	8 4.07	+ 7 58.1	2.270	3.141	9.8	21.3
1 2	7 56.92	+ 8 13.8	2.202	3.134	6.9	21.1
1 12	7 48.52	+ 8 42.0	2.163	3.126	4.3	20.9
1 22	7 39.67	+ 9 20.8	2.153	3.118	4.2	20.9
2 1	7 31.25	+10 7.3	2.173	3.110	6.7	21.1
2 11	7 24.12	+10 58.0	2.221	3.101	9.7	21.2
2 21	7 18.88	+11 49.4	2.294	3.092	12.6	21.4
356283 2010 CY_{217}			1 15.4	316.°03	3.°4/16.6	18
12 13	8 9.50	+12 22.0	1.301	2.137	18.0	21.3
12 23	8 5.55	+12 26.5	1.217	2.121	13.9	21.0
1 2	7 58.44	+12 49.1	1.154	2.106	9.1	20.6
1 12	7 49.02	+13 28.5	1.114	2.091	4.4	20.3
1 22	7 38.63	+14 20.7	1.100	2.076	4.7	20.3
2 1	7 28.94	+15 19.9	1.112	2.063	9.7	20.5
2 11	7 21.55	+16 19.8	1.146	2.050	14.9	20.8
2 21	7 17.50	+17 15.5	1.201	2.037	19.4	21.0
452419 2002 VQ_{85}			1 15.4	64.°43	8.°6/17.5	18
12 13	8 22.34	+ 2 47.8	1.664	2.427	17.8	19.4
12 23	8 13.44	+ 0 58.1	1.626	2.470	14.5	19.2
1 2	8 2.24	− 0 31.8	1.611	2.513	11.2	19.1
1 12	7 49.82	− 1 37.5	1.624	2.554	9.0	19.1
1 22	7 37.48	− 2 17.3	1.665	2.596	8.8	19.2
2 1	7 26.48	− 2 32.5	1.735	2.637	10.6	19.4
2 11	7 17.77	− 2 27.9	1.829	2.677	13.1	19.6
2 21	7 11.86	− 2 9.3	1.946	2.716	15.5	19.9
205779 2002 CR_{74}			1 15.4	44.°91	1.°6/16.1	18
12 13	8 11.85	+15 18.1	1.294	2.133	17.8	19.9
12 23	8 6.95	+15 44.7	1.236	2.144	13.4	19.7
1 2	7 59.01	+16 26.0	1.199	2.155	8.2	19.4
1 12	7 49.10	+17 17.7	1.187	2.167	2.8	19.1
1 22	7 38.69	+18 13.7	1.202	2.180	3.8	19.2
2 1	7 29.40	+19 7.9	1.243	2.193	9.0	19.6
2 11	7 22.59	+19 55.7	1.307	2.206	13.8	19.9
2 21	7 19.01	+20 34.9	1.393	2.220	17.7	20.2
125673 2001 XY_{79}			1 15.4	6.°76	2.°6/14.7	18
12 13	8 12.39	+24 50.1	1.183	2.040	17.9	19.4
12 23	8 7.88	+25 22.2	1.121	2.040	13.3	19.2
1 2	7 59.81	+25 58.3	1.080	2.041	8.0	18.9
1 12	7 49.35	+26 31.3	1.062	2.042	3.1	18.6
1 22	7 38.20	+26 54.5	1.070	2.045	5.1	18.7
2 1	7 28.31	+27 4.1	1.102	2.048	10.5	19.0
2 11	7 21.30	+27 0.1	1.157	2.053	15.4	19.3
2 21	7 18.02	+26 44.9	1.231	2.058	19.6	19.6
118095 2007 T_{-3}			1 15.5	96.°15	2.°2/14.6	18
12 13	8 17.70	+26 16.4	1.987	2.807	13.2	20.0
12 23	8 10.24	+26 46.0	1.936	2.837	9.7	19.8
1 2	8 0.49	+27 15.0	1.912	2.866	5.8	19.7
1 12	7 49.42	+27 38.5	1.915	2.894	2.5	19.5
1 22	7 38.20	+27 53.2	1.950	2.921	3.8	19.6
2 1	7 28.03	+27 57.4	2.014	2.948	7.4	19.9
2 11	7 19.91	+27 51.9	2.105	2.974	10.7	20.2
2 21	7 14.38	+27 38.5	2.220	2.999	13.6	20.4
468201 2015 BE_{27}			1 15.5	117.°17	2.°9/17.1	18
12 13	8 7.41	+ 9 52.1	2.347	3.144	12.2	21.0
12 23	8 2.59	+10 9.7	2.265	3.146	9.4	20.8
1 2	7 56.02	+10 39.5	2.208	3.148	6.3	20.6
1 12	7 48.29	+11 20.3	2.179	3.149	3.5	20.4
1 22	7 40.20	+12 9.3	2.179	3.151	3.5	20.4
2 1	7 32.58	+13 3.1	2.210	3.152	6.2	20.6
2 11	7 26.25	+13 58.1	2.268	3.154	9.3	20.8
2 21	7 21.78	+14 51.2	2.352	3.155	12.1	21.0

425400 2010 CG_{93} 1 15.5 6.°80 2.°3/16.5 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 13	8 6.53	+13 27.2	1.566	2.398	15.6	20.5
12 23	8 2.69	+13 46.3	1.496	2.399	11.8	20.3
1 2	7 56.37	+14 19.8	1.449	2.401	7.5	20.0
1 12	7 48.42	+15 5.2	1.427	2.404	3.2	19.8
1 22	7 39.97	+15 58.1	1.432	2.409	3.6	19.8
2 1	7 32.28	+16 53.2	1.464	2.414	7.9	20.1
2 11	7 26.50	+17 46.1	1.521	2.420	12.2	20.4
2 21	7 23.36	+18 33.2	1.600	2.427	15.8	20.6

225564 2000 TY_{8} 1 15.5 76.°59 3.°6/14.1 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 13	8 13.76	+29 20.3	1.869	2.701	13.4	20.5
12 23	8 7.83	+29 59.0	1.801	2.706	10.0	20.3
1 2	7 59.34	+30 36.0	1.757	2.710	6.4	20.1
1 12	7 49.18	+31 5.5	1.741	2.714	3.7	19.9
1 22	7 38.57	+31 22.8	1.753	2.718	5.0	20.0
2 1	7 28.85	+31 25.9	1.793	2.723	8.5	20.2
2 11	7 21.18	+31 15.5	1.860	2.727	12.0	20.4
2 21	7 16.26	+30 54.2	1.948	2.732	15.0	20.7

456993 2008 CU_{35} 1 15.5 270.°83 4.°7/14.0 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 13	8 17.64	+33 6.5	1.822	2.649	14.0	21.0
12 23	8 11.02	+33 30.8	1.736	2.636	10.7	20.8
1 2	8 1.41	+33 49.4	1.674	2.622	7.2	20.5
1 12	7 49.76	+33 55.8	1.639	2.607	4.8	20.4
1 22	7 37.44	+33 45.4	1.633	2.593	6.0	20.4
2 1	7 26.02	+33 16.8	1.654	2.579	9.5	20.6
2 11	7 16.89	+32 32.6	1.702	2.564	13.2	20.8
2 21	7 10.88	+31 37.4	1.771	2.550	16.5	21.0

130682 2000 SM_{122} 1 15.5 73.°94 5.°1/13.6 18 R

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 13	8 16.90	+30 30.8	1.465	2.305	16.0	18.9
12 23	8 10.69	+31 35.5	1.412	2.319	12.0	18.7
1 2	8 1.23	+32 37.4	1.381	2.333	7.9	18.5
1 12	7 49.69	+33 27.6	1.377	2.347	5.2	18.4
1 22	7 37.69	+33 59.0	1.400	2.361	6.7	18.5
2 1	7 26.97	+34 9.2	1.449	2.375	10.4	18.7
2 11	7 18.96	+34 0.1	1.522	2.388	14.2	19.0
2 21	7 14.41	+33 36.2	1.615	2.402	17.5	19.3

469093 2015 BJ_{456} 1 15.5 262.°85 1.°7/16.4 16

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 13	8 7.92	+13 54.0	2.316	3.126	12.0	21.7
12 23	8 3.08	+14 18.7	2.229	3.120	9.0	21.5
1 2	7 56.37	+14 53.5	2.166	3.115	5.7	21.3
1 12	7 48.42	+15 36.2	2.131	3.109	2.4	21.1
1 22	7 40.02	+16 23.7	2.127	3.103	2.7	21.1
2 1	7 32.08	+17 12.6	2.152	3.097	6.2	21.3
2 11	7 25.46	+17 59.8	2.206	3.092	9.6	21.5
2 21	7 20.76	+18 42.9	2.284	3.086	12.5	21.7

89552 2001 XA_{98} 1 15.5 52.°07 1.°1/15.1 17

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 13	8 15.56	+21 35.5	1.195	2.043	18.4	18.8
12 23	8 9.76	+22 5.9	1.151	2.066	13.5	18.6
1 2	8 0.63	+22 43.0	1.128	2.088	7.9	18.3
1 12	7 49.52	+23 20.2	1.130	2.112	2.2	18.0
1 22	7 38.14	+23 51.5	1.158	2.136	4.2	18.2
2 1	7 28.27	+24 13.0	1.212	2.160	9.6	18.6
2 11	7 21.28	+24 23.9	1.290	2.184	14.3	19.0
2 21	7 17.82	+24 25.4	1.387	2.208	18.1	19.3

183609 2003 UV_{160} 1 15.5 110.°61 1.°2/15.8 18 R

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 13	8 16.84	+17 31.9	1.359	2.191	17.5	20.8
12 23	8 10.55	+17 38.3	1.297	2.202	13.1	20.5
1 2	8 1.13	+17 55.0	1.256	2.212	7.9	20.3
1 12	7 49.69	+18 18.3	1.242	2.222	2.5	20.0
1 22	7 37.74	+18 43.6	1.254	2.232	3.7	20.1
2 1	7 26.98	+19 7.2	1.294	2.242	9.0	20.4
2 11	7 18.80	+19 26.7	1.358	2.251	13.8	20.7
2 21	7 13.97	+19 41.1	1.443	2.260	17.8	21.0

44737 1999 TW_{32} 1 15.5 143.°88 3.°8/17.3 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 13	8 9.74	+ 8 13.8	2.380	3.166	12.4	20.2
12 23	8 4.20	+ 8 7.5	2.304	3.175	9.7	20.1
1 2	7 56.93	+ 8 13.1	2.251	3.183	6.8	19.9
1 12	7 48.55	+ 8 30.3	2.227	3.190	4.3	19.7
1 22	7 39.85	+ 8 57.4	2.233	3.197	4.2	19.7
2 1	7 31.70	+ 9 32.0	2.268	3.204	6.5	19.9
2 11	7 24.88	+10 10.8	2.331	3.210	9.4	20.1
2 21	7 19.93	+10 51.0	2.419	3.216	12.0	20.3

16915 Bredthauer 1 15.5 239.°83 1.°9/14.3 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 13	8 7.04	+28 33.2	3.510	4.327	8.1	18.5
12 23	8 1.94	+28 54.1	3.420	4.318	6.0	18.3
1 2	7 55.50	+29 13.9	3.357	4.308	3.7	18.2
1 12	7 48.18	+29 30.1	3.324	4.299	2.0	18.0
1 22	7 40.58	+29 40.8	3.322	4.289	2.8	18.1
2 1	7 33.34	+29 44.8	3.352	4.279	5.0	18.2
2 11	7 27.07	+29 41.8	3.410	4.269	7.3	18.3
2 21	7 22.21	+29 32.5	3.493	4.259	9.3	18.5

277978 2006 TB_{55} 1 15.5 75.°36 7.°1/18.9 16

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 13	8 12.50	+ 1 19.9	1.744	2.516	16.8	21.2
12 23	8 6.52	+ 1 0.1	1.693	2.545	13.6	21.1
1 2	7 58.36	+ 1 2.1	1.664	2.574	10.3	20.9
1 12	7 48.92	+ 1 26.5	1.660	2.602	7.7	20.8
1 22	7 39.28	+ 2 10.9	1.683	2.630	7.2	20.9
2 1	7 30.57	+ 3 10.7	1.733	2.658	9.1	21.0
2 11	7 23.73	+ 4 19.8	1.810	2.686	11.8	21.3
2 21	7 19.32	+ 5 31.9	1.909	2.713	14.5	21.5

56165 1999 EZ_{2} 1 15.5 261.°64 4.°6/13.6 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 13	8 16.32	+33 13.3	2.108	2.929	12.5	19.6
12 23	8 9.84	+33 53.4	2.014	2.909	9.6	19.4
1 2	8 0.68	+34 29.6	1.944	2.889	6.6	19.1
1 12	7 49.62	+34 55.5	1.903	2.868	4.7	19.0
1 22	7 37.82	+35 6.1	1.891	2.847	5.8	19.0
2 1	7 26.66	+34 59.1	1.908	2.825	8.9	19.2
2 11	7 17.41	+34 35.7	1.951	2.802	12.2	19.3
2 21	7 10.93	+33 59.4	2.016	2.780	15.2	19.5

49300 1998 VZ_{5} 1 15.5 126.°06 2.°8/14.3 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 13	8 16.69	+25 2.7	1.630	2.462	15.1	18.7
12 23	8 10.25	+26 2.8	1.568	2.474	11.1	18.4
1 2	8 0.90	+27 6.2	1.529	2.485	6.7	18.2
1 12	7 49.65	+28 5.5	1.518	2.496	3.0	18.0
1 22	7 37.87	+28 54.1	1.536	2.506	4.7	18.1
2 1	7 27.10	+29 27.8	1.582	2.516	9.0	18.4
2 11	7 18.66	+29 46.3	1.653	2.525	13.0	18.7
2 21	7 13.32	+29 51.4	1.746	2.534	16.3	18.9

10864 Yamagatashi 1 15.5 81.°64 1.°1/15.1 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 13	8 12.73	+25 0.0	2.303	3.124	11.6	17.3
12 23	8 6.45	+24 57.5	2.236	3.137	8.5	17.1
1 2	7 58.25	+24 55.0	2.194	3.149	5.1	16.9
1 12	7 48.90	+24 49.7	2.181	3.162	1.6	16.7
1 22	7 39.34	+24 39.8	2.199	3.175	2.8	16.8
2 1	7 30.54	+24 24.6	2.247	3.187	6.3	17.1
2 11	7 23.36	+24 4.4	2.323	3.200	9.5	17.3
2 21	7 18.33	+23 40.5	2.424	3.212	12.3	17.5

66509 1999 RK_{89} 1 15.5 88.°08 3.°2/16.8 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 13	8 12.34	+11 38.8	1.627	2.441	15.9	18.8
12 23	8 6.78	+11 45.4	1.562	2.454	12.2	18.5
1 2	7 58.73	+12 6.7	1.520	2.466	7.9	18.3
1 12	7 49.07	+12 40.6	1.504	2.478	4.0	18.1
1 22	7 39.01	+13 23.7	1.516	2.490	4.1	18.2
2 1	7 29.82	+14 11.2	1.556	2.502	8.0	18.4
2 11	7 22.64	+14 59.0	1.622	2.513	12.0	18.7
2 21	7 18.15	+15 43.6	1.710	2.525	15.5	18.9

109408 2001 QL_{184} 1 15.5 55.°01 1.°2/15.8 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 13	8 14.83	+19 25.5	1.631	2.459	15.3	19.4
12 23	8 8.59	+18 57.6	1.566	2.469	11.4	19.1
1 2	7 59.76	+18 34.5	1.524	2.479	6.9	18.9
1 12	7 49.33	+18 14.5	1.509	2.489	2.2	18.6
1 22	7 38.57	+17 56.5	1.522	2.500	3.3	18.7
2 1	7 28.85	+17 39.4	1.564	2.510	7.9	19.0
2 11	7 21.30	+17 23.1	1.632	2.521	12.1	19.3
2 21	7 16.57	+17 7.3	1.721	2.532	15.6	19.6

202352 2005 ET_{181} 1 15.5 240.°86 1.°4/14.8 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 13	8 10.41	+24 1.6	2.258	3.083	11.7	20.4
12 23	8 5.02	+24 30.7	2.176	3.079	8.6	20.2
1 2	7 57.58	+25 2.3	2.119	3.076	5.1	20.0
1 12	7 48.77	+25 32.6	2.092	3.072	1.8	19.8
1 22	7 39.53	+25 58.2	2.094	3.068	3.2	19.9
2 1	7 30.86	+26 16.4	2.126	3.064	6.7	20.1
2 11	7 23.70	+26 26.4	2.185	3.060	10.1	20.3
2 21	7 18.72	+26 28.7	2.268	3.056	13.0	20.5

460722 2014 VJ_{8} 1 15.5 106.°06 1.°9/14.6 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 13	8 11.86	+23 52.2	1.942	2.772	13.1	21.2
12 23	8 6.34	+24 40.8	1.871	2.777	9.7	21.0
1 2	7 58.46	+25 33.2	1.825	2.782	5.8	20.8
1 12	7 49.02	+26 24.0	1.807	2.787	2.2	20.6
1 22	7 39.10	+27 8.3	1.819	2.792	3.7	20.7
2 1	7 29.91	+27 42.4	1.859	2.796	7.6	20.9
2 11	7 22.53	+28 5.1	1.926	2.801	11.3	21.2
2 21	7 17.66	+28 16.9	2.016	2.806	14.4	21.4

131500 2001 SK_{270} 1 15.5 123.°47 2.°5/17.1 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 13	8 8.03	+10 3.7	2.713	3.502	11.0	19.5
12 23	8 2.80	+10 28.2	2.638	3.515	8.4	19.3
1 2	7 56.05	+11 3.4	2.589	3.527	5.6	19.2
1 12	7 48.35	+11 47.3	2.569	3.540	3.0	19.0
1 22	7 40.38	+12 37.6	2.580	3.552	3.0	19.0
2 1	7 32.88	+13 31.1	2.622	3.563	5.5	19.2
2 11	7 26.52	+14 24.7	2.694	3.575	8.2	19.4
2 21	7 21.80	+15 15.9	2.791	3.586	10.7	19.6

95314 2002 CM_{104} 1 15.5 151.°77 2.°3/14.5 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 13	8 12.74	+26 27.5	2.104	2.931	12.4	20.0
12 23	8 6.84	+27 0.0	2.031	2.934	9.1	19.8
1 2	7 58.68	+27 33.0	1.982	2.937	5.6	19.6
1 12	7 49.07	+28 1.9	1.962	2.940	2.5	19.4
1 22	7 39.04	+28 22.9	1.971	2.942	3.8	19.5
2 1	7 29.72	+28 33.8	2.010	2.944	7.4	19.7
2 11	7 22.15	+28 34.2	2.076	2.947	10.8	19.9
2 21	7 16.99	+28 25.7	2.164	2.948	13.7	20.1

337422 2001 RT_1 1 15.5 168.°82 5.°4/18.8 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 13	8 7.10	+ 1 7.0	2.636	3.390	12.2	21.2
12 23	8 2.19	+ 1 4.1	2.552	3.392	10.0	21.0
1 2	7 55.74	+ 1 16.8	2.491	3.394	7.7	20.9
1 12	7 48.28	+ 1 45.4	2.458	3.396	5.8	20.8
1 22	7 40.50	+ 2 28.5	2.453	3.398	5.5	20.7
2 1	7 33.14	+ 3 23.6	2.478	3.399	6.9	20.8
2 11	7 26.90	+ 4 26.7	2.530	3.400	9.1	21.0
2 21	7 22.29	+ 5 33.6	2.608	3.400	11.4	21.1

87483 2000 QN_{149} 1 15.5 48.°40 5.°5/13.7 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 13	8 15.86	+33 48.9	1.642	2.477	14.9	18.0
12 23	8 9.65	+34 33.2	1.589	2.491	11.3	17.8
1 2	8 0.50	+35 10.7	1.559	2.506	7.8	17.6
1 12	7 49.54	+35 34.1	1.556	2.521	5.6	17.5
1 22	7 38.26	+35 38.6	1.580	2.536	6.7	17.6
2 1	7 28.23	+35 23.5	1.631	2.552	9.9	17.8
2 11	7 20.71	+34 51.7	1.707	2.568	13.2	18.1
2 21	7 16.34	+34 7.7	1.803	2.584	16.2	18.3

157605 2005 WK_{22} 1 15.5 335.°03 2.°6/14.5 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 13	8 10.89	+25 48.0	1.592	2.435	14.8	20.2
12 23	8 6.20	+26 23.6	1.514	2.426	11.0	19.9
1 2	7 58.65	+27 1.7	1.459	2.417	6.7	19.6
1 12	7 49.12	+27 36.7	1.430	2.409	2.9	19.4
1 22	7 38.91	+28 2.9	1.429	2.402	4.6	19.5
2 1	7 29.52	+28 17.0	1.455	2.395	9.0	19.7
2 11	7 22.29	+28 18.3	1.505	2.388	13.3	20.0
2 21	7 18.08	+28 8.4	1.576	2.383	16.9	20.2

315597 2008 CO_{140} 1 15.5 25.°25 4.°6/17.5 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 13	8 9.39	+ 8 1.6	1.585	2.395	16.5	20.7
12 23	8 4.77	+ 8 7.3	1.513	2.398	12.9	20.5
1 2	7 57.64	+ 8 32.0	1.463	2.402	8.9	20.2
1 12	7 48.84	+ 9 14.8	1.438	2.406	5.4	20.0
1 22	7 39.51	+10 12.2	1.440	2.410	5.1	20.0
2 1	7 30.94	+11 18.9	1.469	2.414	8.5	20.2
2 11	7 24.29	+12 28.7	1.524	2.419	12.4	20.5
2 21	7 20.30	+13 36.3	1.601	2.424	16.0	20.7

299557 2006 DS_{148} 1 15.5 328.°25 2.°6/16.2 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 13	8 10.21	+15 5.9	1.275	2.117	17.9	20.8
12 23	8 6.11	+15 1.6	1.196	2.105	13.6	20.5
1 2	7 58.81	+15 11.1	1.138	2.094	8.7	20.2
1 12	7 49.22	+15 32.8	1.104	2.083	3.6	19.9
1 22	7 38.75	+16 2.9	1.096	2.073	4.3	19.9
2 1	7 29.13	+16 37.0	1.112	2.064	9.6	20.1
2 11	7 21.91	+17 10.8	1.152	2.056	14.8	20.4
2 21	7 18.08	+17 41.0	1.212	2.048	19.3	20.6

189005 5176 $T\text{-}3$ 1 15.5 79.°48 0.°8/15.1 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 13	8 13.94	+20 42.9	1.938	2.760	13.4	20.4
12 23	8 7.58	+21 31.3	1.888	2.790	9.8	20.2
1 2	7 59.02	+22 24.8	1.864	2.820	5.7	20.1
1 12	7 49.15	+23 18.4	1.868	2.849	1.6	19.8
1 22	7 39.05	+24 7.3	1.902	2.878	3.1	20.0
2 1	7 29.87	+24 48.0	1.965	2.906	7.0	20.3
2 11	7 22.56	+25 19.0	2.056	2.934	10.5	20.6
2 21	7 17.69	+25 40.5	2.171	2.961	13.5	20.8

143522 2003 EG_{13} 1 15.5 283.°79 2.°0/16.4 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 13	8 7.60	+14 0.8	2.409	3.218	11.6	20.2
12 23	8 2.79	+14 5.0	2.320	3.210	8.8	20.0
1 2	7 56.20	+14 17.7	2.255	3.202	5.6	19.7
1 12	7 48.44	+14 37.5	2.218	3.195	2.6	19.5
1 22	7 40.27	+15 2.5	2.212	3.187	2.9	19.5
2 1	7 32.54	+15 30.3	2.235	3.179	6.0	19.7
2 11	7 26.08	+15 58.5	2.286	3.172	9.3	19.9
2 21	7 21.47	+16 25.2	2.362	3.164	12.1	20.1

301198 2008 YR_{171} 1 15.5 335.°64 3.°5/14.4 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 13	8 12.35	+26 49.4	1.265	2.120	17.2	20.5
12 23	8 7.94	+27 26.3	1.192	2.110	12.9	20.2
1 2	7 59.99	+28 5.4	1.141	2.100	8.0	19.9
1 12	7 49.53	+28 39.2	1.113	2.091	3.8	19.6
1 22	7 38.20	+29 0.7	1.111	2.083	5.7	19.7
2 1	7 27.93	+29 6.0	1.134	2.076	10.7	19.9
2 11	7 20.41	+28 55.3	1.179	2.070	15.6	20.2
2 21	7 16.63	+28 31.7	1.244	2.065	19.8	20.4

492675 2014 PS_{26} 1 15.5 222.°07 2.°1/14.6 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 13	8 15.53	+24 54.9	1.934	2.759	13.4	22.1
12 23	8 9.25	+25 34.9	1.847	2.750	9.9	21.9
1 2	8 0.33	+26 18.0	1.785	2.740	6.0	21.6
1 12	7 49.57	+26 58.8	1.751	2.730	2.4	21.4
1 22	7 38.13	+27 32.0	1.747	2.719	4.0	21.4
2 1	7 27.32	+27 54.4	1.772	2.707	8.1	21.7
2 11	7 18.41	+28 5.1	1.823	2.695	12.0	21.9
2 21	7 12.21	+28 5.2	1.898	2.682	15.3	22.1

364795 2008 AK_{92} 1 15.5 60.°03 2.°5/14.5 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 13	8 13.50	+24 55.8	1.586	2.425	15.1	21.0
12 23	8 7.97	+25 42.5	1.522	2.432	11.2	20.7
1 2	7 59.60	+26 32.4	1.481	2.439	6.7	20.5
1 12	7 49.36	+27 19.1	1.467	2.446	2.8	20.3
1 22	7 38.60	+27 56.6	1.480	2.453	4.5	20.4
2 1	7 28.82	+28 21.3	1.521	2.460	8.9	20.7
2 11	7 21.30	+28 32.5	1.588	2.468	12.9	20.9
2 21	7 16.81	+28 31.9	1.675	2.475	16.4	21.2

100307 1995 GJ_8 1 15.5 222.°07 1.°8/16.3 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 13	8 11.31	+14 41.6	2.224	3.032	12.5	20.5
12 23	8 5.67	+14 46.9	2.133	3.023	9.4	20.3
1 2	7 57.99	+15 0.8	2.067	3.015	6.0	20.0
1 12	7 48.93	+15 21.7	2.029	3.006	2.5	19.8
1 22	7 39.36	+15 47.3	2.021	2.996	3.0	19.8
2 1	7 30.30	+16 14.9	2.043	2.986	6.6	20.0
2 11	7 22.67	+16 42.2	2.093	2.976	10.1	20.2
2 21	7 17.15	+17 7.4	2.167	2.965	13.2	20.4

194493 2001 WY_{64} 1 15.5 21.°96 2.°5/16.2 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 13	8 11.12	+15 29.6	1.131	1.980	19.2	20.2
12 23	8 6.77	+15 22.7	1.074	1.986	14.5	20.0
1 2	7 59.10	+15 30.2	1.037	1.993	9.1	19.7
1 12	7 49.25	+15 49.5	1.022	2.001	3.6	19.4
1 22	7 38.85	+16 16.5	1.033	2.010	4.4	19.5
2 1	7 29.68	+16 46.5	1.068	2.020	9.8	19.8
2 11	7 23.23	+17 15.3	1.125	2.031	14.9	20.1
2 21	7 20.30	+17 40.2	1.202	2.043	19.1	20.4

111342 2001 XE_{97} 1 15.5 120.°33 3.°1/16.9 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 13	8 9.99	+10 2.1	2.913	3.695	10.5	19.7
12 23	8 4.05	+ 9 34.4	2.842	3.711	8.1	19.6
1 2	7 56.71	+ 9 14.7	2.796	3.728	5.6	19.4
1 12	7 48.54	+ 9 3.0	2.780	3.743	3.5	19.3
1 22	7 40.18	+ 8 58.6	2.795	3.759	3.5	19.3
2 1	7 32.33	+ 9 0.7	2.841	3.774	5.6	19.5
2 11	7 25.62	+ 9 7.7	2.916	3.788	8.0	19.7
2 21	7 20.47	+ 9 17.7	3.017	3.802	10.2	19.9

307231 2002 GV_{173} 1 15.5 286.°32 0.°2/15.6 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 13	8 12.08	+18 27.6	1.574	2.407	15.5	21.1
12 23	8 7.20	+18 56.6	1.481	2.387	11.7	20.9
1 2	7 59.37	+19 36.5	1.411	2.368	7.1	20.5
1 12	7 49.38	+20 23.2	1.367	2.348	1.9	20.2
1 22	7 38.44	+21 11.6	1.351	2.329	3.5	20.2
2 1	7 28.06	+21 56.3	1.362	2.309	8.8	20.5
2 11	7 19.72	+22 33.7	1.399	2.290	13.6	20.7
2 21	7 14.42	+23 2.4	1.456	2.270	17.8	20.9

84569 2002 VC_{11} 1 15.5 272.°42 3.°6/14.2 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 13	8 15.82	+26 54.3	1.426	2.269	16.3	19.2
12 23	8 10.32	+27 43.3	1.346	2.257	12.2	18.9
1 2	8 1.37	+28 35.4	1.289	2.245	7.6	18.7
1 12	7 49.91	+29 22.5	1.256	2.233	3.8	18.4
1 22	7 37.49	+29 57.0	1.251	2.221	5.7	18.5
2 1	7 25.96	+30 14.3	1.272	2.209	10.5	18.7
2 11	7 17.02	+30 14.3	1.318	2.197	15.1	18.9
2 21	7 11.69	+30 0.0	1.382	2.185	19.1	19.2

459245 2012 FL_{22} 1 15.5 30.°36 8.°0/19.5 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 13	8 8.34	− 0 25.7	1.626	2.402	17.6	21.2
12 23	8 3.90	− 0 39.4	1.556	2.408	14.6	21.0
1 2	7 57.09	− 0 27.8	1.506	2.413	11.4	20.8
1 12	7 48.71	+ 0 10.8	1.479	2.419	8.8	20.7
1 22	7 39.85	+ 1 14.4	1.479	2.426	8.1	20.6
2 1	7 31.72	+ 2 37.7	1.505	2.432	9.9	20.8
2 11	7 25.40	+ 4 12.8	1.555	2.439	12.9	21.0
2 21	7 21.61	+ 5 51.8	1.629	2.447	16.0	21.2

417766 2007 DS_{92} 1 15.5 7.°32 1.°7/16.2 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 13	8 9.69	+15 3.1	1.696	2.521	14.9	21.0
12 23	8 4.94	+15 23.0	1.621	2.522	11.2	20.8
1 2	7 57.74	+15 54.8	1.569	2.522	7.0	20.5
1 12	7 48.89	+16 35.7	1.544	2.523	2.6	20.2
1 22	7 39.52	+17 21.5	1.547	2.524	3.3	20.3
2 1	7 30.87	+18 7.8	1.578	2.526	7.7	20.6
2 11	7 24.08	+18 50.9	1.634	2.528	11.8	20.8
2 21	7 19.88	+19 28.4	1.713	2.530	15.4	21.0

325254 2008 GK_{91} 1 15.5 179.°65 2.°0/16.4 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 13	8 11.12	+14 7.1	2.079	2.888	13.1	21.7
12 23	8 5.58	+14 15.8	1.998	2.889	9.9	21.5
1 2	7 57.94	+14 34.3	1.941	2.890	6.3	21.2
1 12	7 48.93	+15 0.7	1.913	2.890	2.7	21.0
1 22	7 39.47	+15 32.5	1.914	2.890	3.1	21.0
2 1	7 30.61	+16 6.4	1.945	2.889	6.8	21.3
2 11	7 23.31	+16 39.6	2.003	2.888	10.4	21.5
2 21	7 18.21	+17 10.2	2.085	2.887	13.5	21.7

65958 1998 GG_1 1 15.5 226.°93 3.°6/17.1 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 13	8 10.05	+ 9 40.7	2.281	3.074	12.7	20.1
12 23	8 4.67	+ 9 28.2	2.190	3.066	9.9	19.9
1 2	7 57.37	+ 9 26.8	2.123	3.058	6.8	19.7
1 12	7 48.79	+ 9 36.5	2.083	3.050	4.1	19.5
1 22	7 39.75	+ 9 55.8	2.074	3.041	4.1	19.5
2 1	7 31.18	+10 22.7	2.094	3.032	6.8	19.6
2 11	7 23.95	+10 54.3	2.141	3.022	10.0	19.8
2 21	7 18.70	+11 27.8	2.213	3.013	12.9	20.0

467702 2008 WS_{129} 1 15.5 12.°98 2.°4/14.3 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 13	8 10.00	+25 26.1	1.974	2.808	12.8	20.7
12 23	8 5.01	+26 15.2	1.902	2.810	9.4	20.5
1 2	7 57.72	+27 6.7	1.855	2.811	5.7	20.2
1 12	7 48.89	+27 55.6	1.835	2.813	2.6	20.0
1 22	7 39.59	+28 36.8	1.844	2.815	4.0	20.1
2 1	7 30.97	+29 6.9	1.882	2.818	7.7	20.4
2 11	7 24.09	+29 25.0	1.946	2.820	11.2	20.6
2 21	7 19.66	+29 31.8	2.033	2.823	14.2	20.8

442743 2012 WF_9 1 15.5 65.°43 3.°1/14.4 17

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 13	8 16.60	+24 14.8	1.247	2.094	17.9	20.9
12 23	8 10.69	+25 23.5	1.200	2.114	13.1	20.7
1 2	8 1.36	+26 36.9	1.175	2.134	7.9	20.5
1 12	7 49.87	+27 45.5	1.176	2.155	3.4	20.2
1 22	7 37.95	+28 41.0	1.203	2.175	5.4	20.4
2 1	7 27.46	+29 18.3	1.256	2.196	10.2	20.8
2 11	7 19.87	+29 37.5	1.333	2.216	14.7	21.1
2 21	7 15.91	+29 41.4	1.429	2.237	18.4	21.4

39903 1998 FL_{30} 1 15.5 232.°54 1.°3/15.9 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 13	8 13.45	+16 48.6	1.859	2.676	14.1	19.2
12 23	8 7.66	+16 55.9	1.770	2.667	10.6	18.9
1 2	7 59.38	+17 11.8	1.705	2.657	6.6	18.7
1 12	7 49.37	+17 33.9	1.667	2.647	2.3	18.4
1 22	7 38.72	+17 59.0	1.659	2.637	3.1	18.4
2 1	7 28.69	+18 24.2	1.680	2.626	7.6	18.7
2 11	7 20.43	+18 46.9	1.728	2.614	11.7	18.9
2 21	7 14.76	+19 5.7	1.798	2.602	15.3	19.1

393393 2000 RN_{19} 1 15.5 164.°55 2.°1/16.4 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 13	8 15.00	+14 1.9	2.216	3.014	12.8	22.3
12 23	8 8.25	+14 1.7	2.137	3.022	9.7	22.1
1 2	7 59.45	+14 10.1	2.083	3.029	6.2	21.9
1 12	7 49.34	+14 25.5	2.059	3.035	2.8	21.7
1 22	7 38.86	+14 45.7	2.065	3.040	3.1	21.7
2 1	7 29.01	+15 8.3	2.102	3.044	6.6	21.9
2 11	7 20.74	+15 31.1	2.168	3.047	10.0	22.1
2 21	7 14.67	+15 52.5	2.258	3.049	13.0	22.4

262601 2006 VZ_{120} 1 15.5 279.°94 2.°2/14.6 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 13	8 12.77	+24 47.1	1.759	2.594	14.1	20.7
12 23	8 7.41	+25 25.0	1.677	2.584	10.4	20.4
1 2	7 59.34	+26 6.3	1.618	2.575	6.3	20.2
1 12	7 49.39	+26 45.7	1.587	2.566	2.5	19.9
1 22	7 38.76	+27 17.8	1.583	2.557	4.2	20.0
2 1	7 28.83	+27 39.1	1.609	2.547	8.5	20.2
2 11	7 20.89	+27 48.5	1.659	2.538	12.5	20.5
2 21	7 15.79	+27 47.3	1.732	2.529	16.1	20.7

370723 2004 RC_{57} 1 15.5 159.°17 1.°2/16.1 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 13	8 15.08	+15 40.0	2.108	2.913	13.1	22.8
12 23	8 8.45	+16 4.7	2.032	2.922	9.8	22.6
1 2	7 59.64	+16 38.4	1.981	2.931	6.0	22.4
1 12	7 49.42	+17 18.0	1.959	2.939	2.1	22.1
1 22	7 38.78	+17 59.9	1.968	2.945	2.8	22.2
2 1	7 28.81	+18 40.7	2.008	2.951	6.7	22.5
2 11	7 20.50	+19 17.6	2.076	2.955	10.4	22.7
2 21	7 14.50	+19 49.3	2.168	2.959	13.4	22.9

394131 2006 HV_{62} 1 15.5 258.°15 0.°8/14.9 17

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 13	8 5.80	+23 6.9	3.299	4.117	8.5	21.7
12 23	8 1.13	+23 30.0	3.210	4.109	6.3	21.5
1 2	7 55.11	+23 55.0	3.147	4.102	3.7	21.3
1 12	7 48.21	+24 19.7	3.114	4.095	1.1	21.1
1 22	7 41.02	+24 42.0	3.112	4.087	2.1	21.2
2 1	7 34.16	+25 0.4	3.142	4.080	4.8	21.3
2 11	7 28.26	+25 13.7	3.200	4.073	7.3	21.5
2 21	7 23.76	+25 21.8	3.283	4.065	9.5	21.7

142741 2002 TE_{291} 1 15.5 132.°98 1.°7/14.8 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 13	8 15.83	+25 5.0	2.269	3.086	11.9	21.2
12 23	8 8.84	+25 33.2	2.204	3.103	8.8	21.1
1 2	7 59.78	+26 2.1	2.165	3.119	5.2	20.9
1 12	7 49.44	+26 27.7	2.155	3.135	2.0	20.7
1 22	7 38.81	+26 46.5	2.177	3.149	3.3	20.8
2 1	7 28.97	+26 56.8	2.228	3.163	6.7	21.0
2 11	7 20.83	+26 58.4	2.308	3.176	9.9	21.3
2 21	7 14.99	+26 52.6	2.412	3.189	12.7	21.5

5134 Ebilson 1 15.5 183.°80 1.°7/14.7 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 13	8 11.40	+23 26.8	2.060	2.887	12.6	16.4
12 23	8 5.97	+24 14.6	1.982	2.887	9.3	16.2
1 2	7 58.29	+25 6.7	1.930	2.887	5.5	16.0
1 12	7 49.09	+25 58.0	1.907	2.887	2.0	15.7
1 22	7 39.38	+26 43.7	1.913	2.887	3.5	15.8
2 1	7 30.30	+27 20.2	1.949	2.886	7.3	16.1
2 11	7 22.89	+27 46.1	2.011	2.886	10.9	16.3
2 21	7 17.85	+28 1.5	2.096	2.885	13.9	16.5

155458 1998 QL_{111} 1 15.5 81.°42 1.°2/15.9 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 13	8 18.04	+17 12.8	1.398	2.226	17.4	20.6
12 23	8 11.15	+17 24.1	1.350	2.253	12.9	20.4
1 2	8 1.36	+17 45.3	1.325	2.280	7.8	20.2
1 12	7 49.86	+18 12.5	1.326	2.306	2.5	19.9
1 22	7 38.14	+18 41.1	1.354	2.332	3.5	20.0
2 1	7 27.77	+19 7.3	1.411	2.358	8.5	20.4
2 11	7 19.95	+19 29.0	1.492	2.383	12.9	20.7
2 21	7 15.31	+19 45.2	1.595	2.407	16.5	21.0

364008 2005 UC_{492} 1 15.5 111.°75 1.°6/16.4 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 13	8 11.57	+13 4.9	2.113	2.918	13.1	20.8
12 23	8 5.81	+13 47.1	2.045	2.934	9.9	20.6
1 2	7 58.05	+14 41.0	2.002	2.950	6.2	20.4
1 12	7 49.01	+15 43.2	1.988	2.966	2.5	20.2
1 22	7 39.62	+16 49.3	2.004	2.981	2.8	20.3
2 1	7 30.88	+17 54.7	2.051	2.995	6.5	20.5
2 11	7 23.70	+18 55.6	2.126	3.010	9.9	20.8
2 21	7 18.68	+19 49.7	2.225	3.024	12.9	21.0

198 Ampella 1 15.5 92.°53 2.°6/16.3 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 13	8 16.82	+14 59.7	1.723	2.535	15.3	12.4
12 23	8 9.81	+14 36.9	1.666	2.559	11.5	12.2
1 2	8 0.42	+14 23.1	1.634	2.582	7.3	12.0
1 12	7 49.61	+14 17.3	1.629	2.605	3.3	11.8
1 22	7 38.60	+14 17.5	1.653	2.627	3.7	11.9
2 1	7 28.66	+14 21.9	1.706	2.649	7.6	12.2
2 11	7 20.80	+14 28.6	1.786	2.671	11.5	12.4
2 21	7 15.62	+14 36.0	1.888	2.692	14.7	12.7

55312 2001 SK_{60} 1 15.5 75.°79 0.°3/15.7 18 R

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 13	8 9.88	+19 29.4	2.283	3.103	11.8	19.5
12 23	8 4.48	+19 36.2	2.212	3.112	8.7	19.3
1 2	7 57.21	+19 47.7	2.167	3.122	5.2	19.1
1 12	7 48.78	+20 1.6	2.150	3.131	1.4	18.8
1 22	7 40.07	+20 15.5	2.163	3.141	2.4	18.9
2 1	7 31.99	+20 27.4	2.206	3.150	6.1	19.2
2 11	7 25.39	+20 36.1	2.276	3.160	9.4	19.4
2 21	7 20.80	+20 41.2	2.371	3.169	12.2	19.6

47847 2000 EV_{133} 1 15.5 133.°01 0.°7/15.9 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 13	8 9.21	+16 31.8	2.436	3.248	11.4	19.0
12 23	8 3.94	+17 5.7	2.360	3.255	8.5	18.8
1 2	7 56.90	+17 47.3	2.310	3.262	5.1	18.6
1 12	7 48.72	+18 33.7	2.288	3.269	1.6	18.4
1 22	7 40.18	+19 21.5	2.297	3.275	2.4	18.4
2 1	7 32.16	+20 7.5	2.337	3.281	5.8	18.7
2 11	7 25.45	+20 49.2	2.406	3.287	9.0	18.9
2 21	7 20.62	+21 25.1	2.499	3.293	11.8	19.1

29020 6274 *P–L* 1 15.5 255.°45 2.°3/16.4 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 13	8 11.79	+13 59.0	1.998	2.808	13.6	19.1
12 23	8 6.34	+13 58.8	1.902	2.793	10.4	18.9
1 2	7 58.59	+14 8.7	1.829	2.777	6.7	18.6
1 12	7 49.22	+14 27.4	1.784	2.760	3.0	18.4
1 22	7 39.20	+14 52.4	1.768	2.743	3.4	18.4
2 1	7 29.66	+15 21.0	1.781	2.726	7.3	18.6
2 11	7 21.69	+15 50.4	1.822	2.708	11.2	18.8
2 21	7 16.05	+16 18.3	1.886	2.690	14.7	18.9

146631 2001 UJ_{34} 1 15.5 354.°92 6.°7/12.1 18 R

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 13	8 11.99	+32 15.9	1.488	2.334	15.5	18.6
12 23	8 7.52	+34 1.9	1.423	2.331	11.9	18.3
1 2	7 59.74	+35 47.2	1.381	2.329	8.4	18.1
1 12	7 49.58	+37 20.4	1.366	2.327	6.7	18.0
1 22	7 38.55	+38 31.8	1.376	2.325	8.4	18.1
2 1	7 28.42	+39 15.7	1.413	2.325	11.8	18.3
2 11	7 20.84	+39 32.7	1.472	2.325	15.4	18.5
2 21	7 16.76	+39 27.2	1.550	2.326	18.6	18.7

277577 2005 YQ_{203} 1 15.5 286.°12 0.°2/15.4 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 13	8 11.54	+20 52.2	1.963	2.789	13.1	21.4
12 23	8 6.10	+21 2.7	1.882	2.786	9.8	21.1
1 2	7 58.38	+21 17.9	1.826	2.783	5.8	20.9
1 12	7 49.14	+21 34.7	1.798	2.780	1.5	20.6
1 22	7 39.43	+21 49.9	1.799	2.777	2.9	20.7
2 1	7 30.40	+22 1.4	1.829	2.774	7.1	21.0
2 11	7 23.08	+22 7.8	1.886	2.771	11.0	21.2
2 21	7 18.19	+22 9.0	1.966	2.768	14.2	21.4

66533 1999 RN_{111} 1 15.5 138.°09 1.°9/14.9 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 13	8 19.17	+26 39.5	1.998	2.816	13.3	19.6
12 23	8 11.53	+26 46.4	1.931	2.830	9.8	19.4
1 2	8 1.46	+26 52.0	1.888	2.842	5.9	19.2
1 12	7 49.92	+26 52.1	1.875	2.854	2.3	19.0
1 22	7 38.10	+26 44.0	1.892	2.865	3.6	19.1
2 1	7 27.27	+26 27.0	1.939	2.876	7.4	19.4
2 11	7 18.48	+26 2.2	2.014	2.885	11.0	19.6
2 21	7 12.37	+25 31.9	2.113	2.895	14.1	19.8

465675 2009 SC_{138} 1 15.5 106.°67 3.°7/13.9 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 13	8 14.14	+30 5.0	1.972	2.801	13.0	21.6
12 23	8 8.10	+30 47.0	1.904	2.806	9.7	21.4
1 2	7 59.58	+31 26.7	1.861	2.812	6.3	21.2
1 12	7 49.46	+31 58.3	1.846	2.817	3.8	21.0
1 22	7 38.90	+32 17.4	1.859	2.823	5.0	21.1
2 1	7 29.20	+32 22.0	1.901	2.828	8.3	21.3
2 11	7 21.45	+32 12.7	1.970	2.833	11.6	21.5
2 21	7 16.36	+31 52.2	2.060	2.838	14.5	21.8

261601 2005 XD_{60} 1 15.5 77.°83 0.°8/15.8 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 13	8 12.10	+18 35.3	1.885	2.708	13.7	20.6
12 23	8 6.47	+18 35.6	1.813	2.714	10.2	20.4
1 2	7 58.55	+18 42.2	1.766	2.720	6.2	20.2
1 12	7 49.18	+18 52.6	1.745	2.726	1.9	19.9
1 22	7 39.42	+19 4.1	1.754	2.732	2.9	20.0
2 1	7 30.44	+19 14.7	1.792	2.738	7.1	20.3
2 11	7 23.26	+19 22.7	1.857	2.744	11.0	20.5
2 21	7 18.52	+19 27.6	1.944	2.750	14.2	20.7

125930 2001 XP_{238} 1 15.5 62.°58 1.°0/15.8 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 13	8 16.41	+19 31.6	1.377	2.213	17.2	19.1
12 23	8 10.21	+19 12.4	1.317	2.224	12.8	18.9
1 2	8 0.98	+18 59.4	1.278	2.235	7.7	18.6
1 12	7 49.84	+18 50.2	1.265	2.246	2.4	18.3
1 22	7 38.31	+18 42.3	1.279	2.258	3.6	18.4
2 1	7 28.01	+18 34.3	1.321	2.269	8.8	18.8
2 11	7 20.26	+18 25.4	1.387	2.281	13.5	19.1
2 21	7 15.77	+18 15.5	1.474	2.293	17.3	19.4

36330 2000 MF_5 1 15.5 134.°07 0.°2/15.4 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 13	8 16.29	+20 21.0	1.883	2.701	13.9	19.9
12 23	8 9.54	+20 44.4	1.816	2.716	10.3	19.7
1 2	8 0.38	+21 13.3	1.774	2.729	6.1	19.5
1 12	7 49.69	+21 43.6	1.761	2.742	1.6	19.2
1 22	7 38.63	+22 11.3	1.777	2.754	3.0	19.4
2 1	7 28.44	+22 33.6	1.823	2.766	7.3	19.6
2 11	7 20.21	+22 49.1	1.897	2.777	11.2	19.9
2 21	7 14.59	+22 58.1	1.993	2.787	14.4	20.1

33147 1998 DD_9 1 15.5 255.°79 2.°8/16.9 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 13	8 9.73	+11 5.2	2.109	2.911	13.2	18.8
12 23	8 4.71	+11 21.4	2.014	2.899	10.2	18.6
1 2	7 57.58	+11 50.6	1.944	2.886	6.8	18.4
1 12	7 48.99	+12 31.5	1.901	2.874	3.5	18.1
1 22	7 39.81	+13 21.2	1.887	2.861	3.6	18.1
2 1	7 31.07	+14 15.7	1.903	2.847	6.9	18.3
2 11	7 23.76	+15 11.2	1.947	2.834	10.6	18.5
2 21	7 18.59	+16 4.3	2.014	2.820	13.8	18.7

180213 2003 UM_8 1 15.5 121.°84 2.°0/14.9 17

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 13	8 19.57	+24 44.7	1.406	2.242	16.8	20.4
12 23	8 12.71	+25 6.4	1.345	2.253	12.5	20.1
1 2	8 2.56	+25 30.2	1.305	2.263	7.5	19.9
1 12	7 50.30	+25 50.0	1.292	2.272	2.6	19.6
1 22	7 37.55	+26 0.7	1.306	2.281	4.4	19.8
2 1	7 26.09	+26 0.1	1.348	2.290	9.4	20.1
2 11	7 17.36	+25 48.8	1.415	2.299	14.0	20.4
2 21	7 12.13	+25 29.6	1.502	2.307	17.8	20.6

488528 2001 RJ_{16} 1 15.5 112.°53 0.°8/14.9 17

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 13	8 6.42	+24 13.8	3.875	4.687	7.5	22.3
12 23	8 1.32	+24 32.5	3.809	4.706	5.5	22.2
1 2	7 55.11	+24 51.8	3.770	4.724	3.2	22.1
1 12	7 48.26	+25 9.8	3.762	4.743	1.1	21.9
1 22	7 41.26	+25 25.0	3.787	4.760	1.9	22.0
2 1	7 34.63	+25 36.2	3.842	4.778	4.1	22.2
2 11	7 28.88	+25 42.9	3.928	4.795	6.2	22.4
2 21	7 24.35	+25 45.2	4.039	4.812	8.0	22.5

231383 2006 JN_{42} 1 15.5 270.°92 0.°2/15.6 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 13	8 9.81	+19 8.6	2.149	2.971	12.3	21.2
12 23	8 4.71	+19 30.3	2.064	2.965	9.2	20.9
1 2	7 57.53	+19 58.3	2.004	2.960	5.5	20.7
1 12	7 48.96	+20 29.7	1.973	2.954	1.5	20.4
1 22	7 39.91	+21 1.3	1.971	2.948	2.6	20.5
2 1	7 31.41	+21 29.9	1.998	2.943	6.6	20.7
2 11	7 24.40	+21 53.7	2.053	2.937	10.2	21.0
2 21	7 19.57	+22 11.8	2.132	2.932	13.3	21.2

327921 2007 DX_{31} 1 15.5 58.°07 4.°4/14.2 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 13	8 18.22	+31 16.2	1.607	2.440	15.2	20.1
12 23	8 11.19	+31 51.2	1.566	2.470	11.3	19.9
1 2	8 1.35	+32 20.8	1.548	2.499	7.3	19.8
1 12	7 49.91	+32 38.5	1.557	2.528	4.5	19.7
1 22	7 38.37	+32 40.3	1.594	2.558	5.7	19.8
2 1	7 28.23	+32 25.8	1.659	2.587	9.1	20.1
2 11	7 20.64	+31 57.8	1.749	2.616	12.6	20.3
2 21	7 16.15	+31 20.2	1.860	2.645	15.6	20.6

327788 2006 UT_{198} 1 15.5 35.°49 3.°3/16.6 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 13	8 11.18	+13 24.2	1.364	2.196	17.5	20.6
12 23	8 6.30	+13 12.0	1.309	2.210	13.3	20.4
1 2	7 58.64	+13 13.9	1.275	2.225	8.5	20.2
1 12	7 49.25	+13 28.5	1.265	2.241	4.1	19.9
1 22	7 39.50	+13 52.4	1.282	2.258	4.4	20.0
2 1	7 30.84	+14 21.9	1.326	2.275	8.7	20.3
2 11	7 24.48	+14 52.9	1.393	2.293	13.0	20.6
2 21	7 21.09	+15 22.1	1.482	2.311	16.7	20.9

249362 2008 YR_{137} 1 15.5 196.°83 1.°0/15.9 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 13	8 10.21	+18 1.0	2.518	3.329	11.1	20.7
12 23	8 4.63	+17 52.8	2.434	3.328	8.3	20.5
1 2	7 57.31	+17 49.1	2.375	3.327	5.0	20.3
1 12	7 48.88	+17 48.6	2.345	3.325	1.7	20.1
1 22	7 40.11	+17 49.7	2.347	3.324	2.4	20.1
2 1	7 31.87	+17 51.2	2.378	3.322	5.8	20.3
2 11	7 24.94	+17 51.9	2.438	3.320	8.9	20.5
2 21	7 19.86	+17 51.4	2.523	3.318	11.7	20.7

240830 2006 BD_{26} 1 15.5 250.°98 0.°6/15.7 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 13	8 15.35	+19 6.2	1.800	2.621	14.4	20.5
12 23	8 9.30	+19 9.9	1.704	2.604	10.8	20.2
1 2	8 0.53	+19 20.1	1.631	2.586	6.6	19.9
1 12	7 49.82	+19 34.0	1.587	2.568	1.9	19.6
1 22	7 38.30	+19 48.4	1.571	2.549	3.2	19.6
2 1	7 27.37	+20 0.5	1.584	2.529	8.0	19.9
2 11	7 18.32	+20 8.8	1.624	2.509	12.4	20.1
2 21	7 12.04	+20 12.8	1.687	2.489	16.2	20.3

241205 2007 TF_{31} 1 15.5 25.°88 4.°5/13.3 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 13	8 11.83	+32 50.5	2.176	3.004	12.0	20.3
12 23	8 6.34	+33 44.8	2.107	3.006	9.1	20.1
1 2	7 58.54	+34 35.4	2.063	3.008	6.3	19.9
1 12	7 49.23	+35 16.5	2.047	3.010	4.6	19.8
1 22	7 39.47	+35 43.6	2.060	3.013	5.6	19.9
2 1	7 30.42	+35 54.4	2.101	3.016	8.3	20.1
2 11	7 23.14	+35 49.6	2.168	3.018	11.2	20.3
2 21	7 18.31	+35 31.8	2.257	3.021	13.8	20.5

275033 2009 UK_{45} 1 15.5 139.°45 0.°5/15.3 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 13	8 11.89	+21 6.0	2.084	2.906	12.6	21.8
12 23	8 6.22	+21 30.2	2.009	2.911	9.3	21.6
1 2	7 58.40	+21 59.0	1.960	2.915	5.5	21.3
1 12	7 49.19	+22 29.0	1.938	2.920	1.5	21.1
1 22	7 39.56	+22 56.5	1.947	2.924	2.8	21.2
2 1	7 30.61	+23 18.9	1.985	2.928	6.8	21.4
2 11	7 23.31	+23 34.9	2.051	2.932	10.4	21.7
2 21	7 18.30	+23 44.2	2.140	2.935	13.5	21.9

165720 2001 QX_{59} 1 15.5 147.°86 0.°6/15.2 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 13	8 9.98	+21 46.6	2.728	3.543	10.2	20.5
12 23	8 4.37	+22 11.2	2.653	3.551	7.5	20.3
1 2	7 57.11	+22 38.7	2.603	3.558	4.4	20.1
1 12	7 48.82	+23 6.4	2.584	3.565	1.2	19.9
1 22	7 40.24	+23 31.7	2.596	3.572	2.3	20.0
2 1	7 32.16	+23 52.5	2.638	3.578	5.5	20.2
2 11	7 25.33	+24 7.8	2.709	3.584	8.4	20.4
2 21	7 20.26	+24 17.4	2.805	3.589	10.9	20.6

311037 2004 BR_{55} 1 15.5 352.°21 1.°7/16.2 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 13	8 7.61	+14 37.5	1.280	2.125	17.6	20.0
12 23	8 4.18	+15 9.7	1.208	2.119	13.3	19.7
1 2	7 57.70	+15 59.4	1.157	2.114	8.3	19.4
1 12	7 49.09	+17 2.7	1.129	2.109	3.0	19.1
1 22	7 39.70	+18 13.1	1.128	2.106	3.8	19.1
2 1	7 31.15	+19 23.4	1.151	2.104	9.2	19.4
2 11	7 24.92	+20 27.2	1.199	2.104	14.2	19.7
2 21	7 21.92	+21 20.9	1.266	2.104	18.5	20.0

85610 1998 HC_{11} 1 15.5 249.°16 1.°6/14.6 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 13	8 9.32	+24 46.1	2.567	3.389	10.5	20.6
12 23	8 4.13	+25 22.4	2.480	3.382	7.8	20.4
1 2	7 57.11	+26 0.8	2.419	3.374	4.7	20.2
1 12	7 48.85	+26 37.6	2.387	3.366	1.9	20.0
1 22	7 40.16	+27 9.6	2.386	3.358	3.1	20.0
2 1	7 31.92	+27 34.2	2.414	3.350	6.2	20.2
2 11	7 24.97	+27 50.2	2.471	3.342	9.3	20.4
2 21	7 19.94	+27 58.0	2.552	3.333	11.9	20.6

366671 2003 UR_{15} 1 15.5 36.°79 22.°8/24.6 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 13	8 11.93	−16 40.9	0.969	1.707	29.3	20.1
12 23	8 7.80	−19 36.5	0.932	1.716	27.2	19.9
1 2	7 59.99	−21 43.5	0.906	1.725	25.1	19.8
1 12	7 49.70	−22 48.2	0.894	1.735	23.6	19.8
1 22	7 38.67	−22 44.1	0.896	1.746	22.8	19.8
2 1	7 28.92	−21 33.9	0.913	1.758	23.0	19.8
2 11	7 22.16	−19 30.8	0.945	1.771	24.1	19.9
2 21	7 19.30	−16 53.1	0.991	1.784	25.7	20.1

402741 2006 XL 1 15.5 46.°13 4.°1/16.4 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 13	8 15.88	+13 59.9	1.410	2.234	17.5	19.3
12 23	8 9.47	+13 0.5	1.361	2.257	13.3	19.1
1 2	8 0.36	+12 12.1	1.334	2.281	8.7	18.9
1 12	7 49.68	+11 35.6	1.332	2.305	4.7	18.7
1 22	7 38.85	+11 10.9	1.358	2.330	5.1	18.8
2 1	7 29.31	+10 56.9	1.411	2.355	8.9	19.1
2 11	7 22.17	+10 51.5	1.489	2.380	12.9	19.4
2 21	7 18.01	+10 51.7	1.588	2.406	16.3	19.7

101528 1998 XS_{83} 1 15.5 46.°93 4.°5/17.9 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 13	8 8.66	+ 6 35.6	1.804	2.602	15.3	19.2
12 23	8 3.89	+ 6 52.2	1.743	2.620	12.0	19.0
1 2	7 57.02	+ 7 27.1	1.705	2.638	8.4	18.8
1 12	7 48.82	+ 8 18.6	1.693	2.657	5.2	18.7
1 22	7 40.31	+ 9 22.9	1.708	2.676	4.8	18.7
2 1	7 32.55	+10 34.8	1.753	2.695	7.6	18.9
2 11	7 26.48	+11 48.7	1.824	2.715	10.9	19.2
2 21	7 22.70	+12 59.8	1.918	2.734	14.0	19.4

186101 2001 TU_{31} 1 15.5 51.°34 9.°9/12.2 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 13	8 20.65	+43 32.7	1.562	2.382	16.2	19.8
12 23	8 13.83	+44 57.3	1.523	2.401	13.3	19.7
1 2	8 3.32	+46 5.3	1.506	2.419	10.9	19.6
1 12	7 50.51	+46 46.3	1.513	2.439	9.9	19.6
1 22	7 37.34	+46 54.1	1.546	2.458	10.8	19.7
2 1	7 25.83	+46 29.4	1.602	2.478	13.0	19.9
2 11	7 17.51	+45 38.2	1.681	2.498	15.5	20.1
2 21	7 13.09	+44 29.0	1.779	2.518	17.8	20.3

236952 2007 UW_{9} 1 15.5 144.°51 3.°8/17.8 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 13	8 8.00	+ 6 45.8	2.595	3.374	11.7	20.7
12 23	8 2.94	+ 6 50.6	2.515	3.380	9.2	20.6
1 2	7 56.29	+ 7 7.9	2.460	3.386	6.5	20.4
1 12	7 48.64	+ 7 37.1	2.432	3.392	4.3	20.3
1 22	7 40.67	+ 8 16.3	2.435	3.398	4.0	20.3
2 1	7 33.17	+ 9 2.9	2.468	3.403	6.1	20.4
2 11	7 26.82	+ 9 53.4	2.529	3.408	8.7	20.6
2 21	7 22.16	+10 44.8	2.615	3.413	11.2	20.7

231829 2000 KZ_{65} 1 15.5 240.°89 5.°9/18.8 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 13	8 7.37	+ 0 37.0	2.556	3.309	12.5	20.7
12 23	8 2.59	+ 0 23.3	2.462	3.300	10.4	20.5
1 2	7 56.15	+ 0 25.3	2.391	3.291	8.1	20.3
1 12	7 48.62	+ 0 44.1	2.346	3.281	6.3	20.2
1 22	7 40.67	+ 1 19.1	2.330	3.271	6.0	20.2
2 1	7 33.08	+ 2 8.0	2.343	3.261	7.4	20.3
2 11	7 26.62	+ 3 7.0	2.383	3.251	9.7	20.4
2 21	7 21.84	+ 4 11.7	2.449	3.241	12.1	20.5

64780 2001 XZ_{192} 1 15.5 87.°54 0.°7/15.8 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 13	8 16.39	+17 29.0	1.542	2.367	16.2	18.9
12 23	8 9.87	+17 54.4	1.489	2.391	12.0	18.7
1 2	8 0.66	+18 29.4	1.460	2.415	7.2	18.5
1 12	7 49.80	+19 9.4	1.457	2.438	2.1	18.2
1 22	7 38.66	+19 49.4	1.483	2.461	3.3	18.3
2 1	7 28.65	+20 25.5	1.537	2.483	8.0	18.7
2 11	7 20.94	+20 55.1	1.617	2.505	12.3	19.0
2 21	7 16.17	+21 17.5	1.719	2.527	15.7	19.2

282942 2007 RQ_{37} 1 15.5 43.°01 2.°0/16.5 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 13	8 8.64	+13 54.2	1.974	2.791	13.5	20.3
12 23	8 3.83	+14 8.6	1.907	2.801	10.1	20.1
1 2	7 56.97	+14 33.7	1.863	2.812	6.4	19.9
1 12	7 48.83	+15 7.2	1.846	2.823	2.8	19.7
1 22	7 40.35	+15 46.0	1.859	2.835	3.1	19.7
2 1	7 32.54	+16 26.6	1.900	2.847	6.7	20.0
2 11	7 26.32	+17 5.7	1.968	2.859	10.3	20.2
2 21	7 22.29	+17 41.2	2.060	2.871	13.3	20.4

359798 2011 UE_{211} 1 15.5 277.°38 1.°6/15.0 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 13	8 15.10	+24 7.7	1.554	2.390	15.5	21.4
12 23	8 9.46	+24 25.0	1.471	2.380	11.5	21.1
1 2	8 0.76	+24 45.4	1.412	2.370	7.0	20.8
1 12	7 49.92	+25 3.9	1.379	2.359	2.3	20.5
1 22	7 38.31	+25 15.8	1.373	2.349	4.1	20.6
2 1	7 27.55	+25 18.3	1.395	2.339	9.0	20.9
2 11	7 19.08	+25 11.1	1.442	2.328	13.6	21.1
2 21	7 13.80	+24 55.7	1.510	2.318	17.5	21.3

425229 2009 VS_{95} 1 15.5 88.°04 1.°8/14.6 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 13	8 12.11	+23 19.1	2.030	2.857	12.7	21.0
12 23	8 6.44	+24 16.3	1.968	2.872	9.3	20.8
1 2	7 58.56	+25 17.3	1.931	2.887	5.6	20.6
1 12	7 49.26	+26 16.8	1.922	2.902	2.1	20.4
1 22	7 39.58	+27 9.6	1.944	2.916	3.6	20.5
2 1	7 30.63	+27 52.1	1.995	2.931	7.3	20.8
2 11	7 23.43	+28 22.8	2.072	2.945	10.7	21.0
2 21	7 18.60	+28 42.2	2.173	2.960	13.6	21.2

278952 2008 UF_{70} 1 15.5 97.°65 4.°6/13.5 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 13	8 14.51	+34 3.1	2.231	3.052	11.9	20.5
12 23	8 8.17	+34 47.3	2.169	3.063	9.1	20.3
1 2	7 59.55	+35 26.1	2.133	3.075	6.3	20.2
1 12	7 49.51	+35 53.8	2.125	3.086	4.6	20.1
1 22	7 39.15	+36 6.8	2.146	3.097	5.6	20.2
2 1	7 29.62	+36 3.7	2.195	3.108	8.2	20.3
2 11	7 21.95	+35 46.0	2.271	3.119	10.9	20.5
2 21	7 16.75	+35 16.7	2.370	3.130	13.4	20.7

363134 2001 QJ_{190} 1 15.5 66.°56 5.°2/17.1 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 13	8 14.70	+ 9 18.7	1.665	2.467	16.2	19.7
12 23	8 8.32	+ 8 28.1	1.611	2.491	12.6	19.6
1 2	7 59.60	+ 7 51.5	1.580	2.514	8.8	19.4
1 12	7 49.51	+ 7 30.0	1.575	2.538	5.8	19.3
1 22	7 39.22	+ 7 23.2	1.598	2.561	5.7	19.3
2 1	7 29.94	+ 7 29.0	1.649	2.585	8.6	19.5
2 11	7 22.69	+ 7 44.1	1.725	2.608	11.9	19.8
2 21	7 18.04	+ 8 4.8	1.824	2.631	15.0	20.0

456294 2006 SS_{110} 1 15.5 50.°68 12.°3/12.2 17

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 13	8 25.65	+48 57.5	1.478	2.283	17.7	20.2
12 23	8 18.01	+50 23.6	1.443	2.302	15.1	20.0
1 2	8 5.97	+51 26.7	1.429	2.321	13.1	20.0
1 12	7 51.23	+51 54.9	1.438	2.340	12.3	20.0
1 22	7 36.22	+51 42.5	1.471	2.360	13.0	20.1
2 1	7 23.40	+50 51.8	1.526	2.380	14.8	20.2
2 11	7 14.50	+49 31.7	1.602	2.400	17.0	20.4
2 21	7 10.13	+47 53.0	1.696	2.421	19.1	20.6

456467 2006 WO_{8} 1 15.5 55.°61 2.°7/16.5 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 13	8 12.35	+13 39.1	1.536	2.360	16.3	21.5
12 23	8 6.91	+13 38.3	1.480	2.378	12.3	21.3
1 2	7 58.92	+13 50.3	1.447	2.397	7.8	21.1
1 12	7 49.36	+14 13.1	1.439	2.415	3.6	20.8
1 22	7 39.48	+14 43.0	1.459	2.435	3.9	20.9
2 1	7 30.62	+15 16.3	1.506	2.454	8.0	21.2
2 11	7 23.87	+15 49.5	1.579	2.473	12.1	21.5
2 21	7 19.89	+16 19.7	1.673	2.493	15.6	21.8

91115 1998 HB_{73} 1 15.5 350.°24 2.°7/14.5 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 13	8 13.00	+27 1.2	1.806	2.640	13.7	18.9
12 23	8 7.48	+27 30.3	1.732	2.639	10.2	18.7
1 2	7 59.36	+27 59.6	1.682	2.638	6.3	18.4
1 12	7 49.52	+28 24.0	1.659	2.637	2.9	18.2
1 22	7 39.16	+28 39.2	1.665	2.636	4.3	18.3
2 1	7 29.63	+28 42.6	1.699	2.635	8.3	18.5
2 11	7 22.11	+28 34.6	1.758	2.635	12.1	18.8
2 21	7 17.35	+28 17.2	1.839	2.635	15.3	19.0

518887 2010 EM_{162} 1 15.5 34.°41 1.°5/16.3 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 13	8 9.54	+14 59.8	1.889	2.709	13.8	20.8
12 23	8 4.67	+15 22.2	1.814	2.712	10.4	20.6
1 2	7 57.59	+15 55.5	1.764	2.716	6.5	20.4
1 12	7 49.05	+16 36.8	1.741	2.720	2.4	20.1
1 22	7 40.06	+17 22.4	1.746	2.724	3.0	20.2
2 1	7 31.72	+18 8.2	1.780	2.728	7.0	20.5
2 11	7 25.06	+18 50.9	1.841	2.732	10.9	20.7
2 21	7 20.73	+19 28.3	1.926	2.737	14.2	20.9

323767 2005 QK_{14} 1 15.5 152.°86 3.°2/14.3 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 13	8 17.24	+30 33.1	2.229	3.047	12.1	21.6
12 23	8 10.10	+30 55.9	2.158	3.055	9.1	21.4
1 2	8 0.68	+31 15.1	2.113	3.062	5.8	21.2
1 12	7 49.84	+31 26.1	2.097	3.069	3.4	21.1
1 22	7 38.68	+31 25.6	2.111	3.075	4.4	21.2
2 1	7 28.35	+31 12.7	2.155	3.081	7.5	21.4
2 11	7 19.88	+30 48.6	2.226	3.086	10.6	21.6
2 21	7 13.89	+30 16.2	2.321	3.090	13.3	21.8

397950 2008 YA_{56} 1 15.5 47.°59 0.°1/15.6 17

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 13	8 13.42	+17 49.3	1.194	2.040	18.5	20.7
12 23	8 8.36	+18 35.8	1.146	2.059	13.7	20.5
1 2	8 0.05	+19 35.0	1.120	2.079	8.1	20.2
1 12	7 49.72	+20 40.2	1.117	2.099	2.2	19.9
1 22	7 38.96	+21 43.5	1.141	2.120	3.8	20.1
2 1	7 29.53	+22 38.5	1.191	2.141	9.4	20.5
2 11	7 22.83	+23 21.7	1.265	2.163	14.2	20.8
2 21	7 19.55	+23 52.5	1.358	2.185	18.1	21.1

357551 2004 SO_{44} 1 15.5 47.°21 1.°5/15.9 17

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 13	8 15.28	+17 20.0	1.162	2.006	19.1	20.5
12 23	8 9.59	+17 18.6	1.119	2.030	14.2	20.3
1 2	8 0.68	+17 28.6	1.097	2.054	8.6	20.1
1 12	7 49.86	+17 46.3	1.099	2.079	2.9	19.8
1 22	7 38.82	+18 7.2	1.126	2.105	3.9	19.9
2 1	7 29.28	+18 27.5	1.180	2.131	9.3	20.3
2 11	7 22.55	+18 44.5	1.256	2.157	14.1	20.7
2 21	7 19.26	+18 57.1	1.353	2.184	18.0	21.0

405929 2006 QG_3 1 15.5 92.°13 5.°8/13.8 16

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 13	8 22.51	+36 33.5	1.863	2.679	14.2	21.6
12 23	8 14.24	+37 13.4	1.816	2.705	10.9	21.4
1 2	8 3.17	+37 43.5	1.794	2.731	7.8	21.3
1 12	7 50.49	+37 57.0	1.800	2.756	5.9	21.2
1 22	7 37.69	+37 50.0	1.834	2.781	6.8	21.3
2 1	7 26.27	+37 23.0	1.897	2.805	9.5	21.6
2 11	7 17.41	+36 39.8	1.985	2.829	12.4	21.8
2 21	7 11.69	+35 45.8	2.095	2.852	15.0	22.0

177478 2004 EC_{11} 1 15.5 230.°17 2.°8/16.9 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 13	8 11.20	+11 4.5	2.235	3.032	12.8	21.1
12 23	8 5.71	+11 16.1	2.139	3.020	9.9	20.9
1 2	7 58.19	+11 39.8	2.067	3.008	6.6	20.7
1 12	7 49.25	+12 14.2	2.023	2.995	3.4	20.4
1 22	7 39.74	+12 56.8	2.009	2.982	3.5	20.4
2 1	7 30.66	+13 44.3	2.026	2.968	6.7	20.6
2 11	7 22.94	+14 33.2	2.070	2.954	10.2	20.8
2 21	7 17.28	+15 20.5	2.139	2.939	13.3	21.0

101096 1998 RL_{37} 1 15.5 113.°16 0.°4/15.4 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 13	8 15.92	+21 33.3	1.931	2.751	13.6	20.3
12 23	8 9.19	+21 45.0	1.868	2.768	10.0	20.1
1 2	8 0.17	+22 0.3	1.830	2.785	5.9	19.9
1 12	7 49.73	+22 15.6	1.820	2.802	1.6	19.6
1 22	7 39.01	+22 28.0	1.840	2.818	2.9	19.8
2 1	7 29.20	+22 35.4	1.890	2.833	7.1	20.1
2 11	7 21.30	+22 37.2	1.968	2.848	10.8	20.3
2 21	7 15.94	+22 33.9	2.068	2.862	13.9	20.6

281734 2008 YG_1 1 15.5 64.°20 2.°5/14.2 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 13	8 10.94	+25 43.7	2.088	2.917	12.3	20.0
12 23	8 5.63	+26 43.8	2.023	2.928	9.1	19.8
1 2	7 58.13	+27 45.9	1.984	2.940	5.5	19.6
1 12	7 49.22	+28 44.5	1.974	2.951	2.7	19.4
1 22	7 39.89	+29 34.5	1.993	2.962	4.1	19.5
2 1	7 31.26	+30 12.6	2.042	2.974	7.4	19.8
2 11	7 24.31	+30 37.7	2.117	2.985	10.7	20.0
2 21	7 19.70	+30 50.8	2.215	2.997	13.5	20.2

221087 2005 SU_{60} 1 15.5 161.°71 6.°1/18.4 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 13	8 10.27	+ 2 39.0	2.123	2.892	14.3	20.8
12 23	8 4.94	+ 2 18.2	2.044	2.895	11.6	20.7
1 2	7 57.66	+ 2 14.4	1.987	2.898	8.8	20.5
1 12	7 49.10	+ 2 28.7	1.957	2.901	6.6	20.4
1 22	7 40.12	+ 3 0.0	1.954	2.903	6.3	20.4
2 1	7 31.71	+ 3 45.6	1.980	2.906	8.1	20.5
2 11	7 24.73	+ 4 41.0	2.033	2.907	10.8	20.6
2 21	7 19.82	+ 5 41.3	2.110	2.909	13.5	20.8

448179 2008 TW_{168} 1 15.5 36.°78 1.°4/15.1 15

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 13	8 14.07	+22 37.2	1.178	2.031	18.3	21.1
12 23	8 9.02	+23 2.3	1.126	2.043	13.5	20.9
1 2	8 0.54	+23 33.2	1.095	2.055	8.0	20.6
1 12	7 49.89	+24 3.7	1.087	2.069	2.4	20.3
1 22	7 38.78	+24 27.9	1.106	2.083	4.3	20.5
2 1	7 29.05	+24 42.0	1.149	2.098	9.8	20.9
2 11	7 22.19	+24 45.5	1.216	2.113	14.7	21.2
2 21	7 18.91	+24 39.8	1.302	2.129	18.7	21.5

340781 2006 SM_{382} 1 15.5 164.°40 6.°7/10.2 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 13	8 16.76	+46 53.3	3.242	4.020	9.6	21.4
12 23	8 9.77	+48 13.2	3.183	4.026	8.1	21.3
1 2	8 0.58	+49 22.8	3.150	4.031	7.0	21.2
1 12	7 49.89	+50 16.6	3.145	4.035	6.7	21.2
1 22	7 38.66	+50 50.8	3.168	4.039	7.4	21.3
2 1	7 27.99	+51 4.2	3.219	4.043	8.6	21.4
2 11	7 18.87	+50 58.2	3.295	4.046	10.1	21.5
2 21	7 12.03	+50 36.4	3.391	4.048	11.4	21.6

518940 2010 GW_{143} 1 15.5 78.°49 1.°0/14.9 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 13	8 9.18	+22 3.5	2.356	3.179	11.3	20.9
12 23	8 4.11	+22 46.1	2.281	3.184	8.3	20.7
1 2	7 57.16	+23 32.9	2.232	3.188	4.9	20.5
1 12	7 48.97	+24 20.1	2.212	3.193	1.5	20.2
1 22	7 40.39	+25 3.8	2.222	3.198	2.8	20.4
2 1	7 32.35	+25 41.0	2.262	3.202	6.3	20.6
2 11	7 25.72	+26 9.9	2.330	3.207	9.5	20.8
2 21	7 21.08	+26 30.4	2.422	3.211	12.3	21.0

378408 2007 RV_{108} 1 15.5 309.°32 0.°8/15.9 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 13	8 9.43	+18 11.5	2.035	2.858	12.9	20.8
12 23	8 4.60	+18 18.6	1.946	2.847	9.6	20.5
1 2	7 57.59	+18 32.5	1.881	2.835	5.9	20.3
1 12	7 49.11	+18 50.9	1.843	2.824	1.8	20.0
1 22	7 40.10	+19 11.1	1.835	2.813	2.7	20.1
2 1	7 31.62	+19 30.5	1.856	2.802	6.9	20.3
2 11	7 24.69	+19 47.2	1.903	2.792	10.7	20.5
2 21	7 20.01	+19 59.9	1.974	2.782	14.0	20.7

373126 2011 HU_{70} 1 15.6 325.°44 8.°6/18.8 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 13	8 7.27	− 0 13.1	1.759	2.533	16.6	20.3
12 23	8 3.23	− 1 0.0	1.671	2.519	14.0	20.1
1 2	7 56.90	− 1 26.0	1.604	2.505	11.3	19.9
1 12	7 48.96	− 1 27.7	1.560	2.492	9.1	19.8
1 22	7 40.38	− 1 4.2	1.541	2.479	8.7	19.7
2 1	7 32.30	− 0 17.6	1.548	2.467	10.4	19.8
2 11	7 25.82	+ 0 46.6	1.579	2.455	13.2	19.9
2 21	7 21.73	+ 2 1.5	1.632	2.444	16.2	20.1

166767 2002 UW_{49} 1 15.6 53.°92 4.°3/13.4 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 13	8 12.04	+31 42.3	2.140	2.968	12.1	19.9
12 23	8 6.53	+32 39.5	2.074	2.974	9.2	19.8
1 2	7 58.72	+33 33.9	2.033	2.980	6.2	19.6
1 12	7 49.41	+34 19.5	2.021	2.986	4.3	19.5
1 22	7 39.66	+34 51.6	2.037	2.993	5.4	19.6
2 1	7 30.64	+35 7.8	2.082	2.999	8.2	19.8
2 11	7 23.41	+35 8.6	2.152	3.006	11.2	19.9
2 21	7 18.62	+34 56.5	2.245	3.013	13.8	20.1

81 Terpsichore 1 15.6 40.°36 4.°8/14.1 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 13	8 15.25	+31 49.6	1.570	2.409	15.2	12.2
12 23	8 9.31	+32 26.7	1.521	2.427	11.4	12.0
1 2	8 0.46	+32 58.6	1.494	2.445	7.5	11.8
1 12	7 49.86	+33 18.4	1.494	2.464	4.9	11.7
1 22	7 38.98	+33 21.7	1.520	2.483	6.1	11.8
2 1	7 29.37	+33 7.5	1.574	2.502	9.5	12.1
2 11	7 22.25	+32 38.5	1.652	2.522	13.1	12.3
2 21	7 18.26	+31 58.8	1.751	2.543	16.1	12.6

54569 2000 QV_{152} 1 15.6 227.°15 0.°2/15.6 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 13	8 9.93	+20 8.6	2.556	3.371	10.8	19.8
12 23	8 4.52	+20 13.8	2.468	3.366	8.0	19.6
1 2	7 57.35	+20 22.6	2.407	3.361	4.8	19.3
1 12	7 49.04	+20 33.1	2.374	3.355	1.3	19.1
1 22	7 40.35	+20 43.2	2.372	3.350	2.3	19.2
2 1	7 32.15	+20 51.2	2.401	3.344	5.7	19.4
2 11	7 25.24	+20 56.1	2.458	3.339	8.9	19.6
2 21	7 20.17	+20 57.5	2.539	3.333	11.6	19.7

56036 1998 WH_{31} 1 15.6 90.°00 3.°0/17.4 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 13	8 16.83	+ 7 1.9	1.534	2.330	17.6	18.7
12 23	8 10.31	+ 8 30.4	1.475	2.355	13.5	18.5
1 2	8 1.06	+10 23.0	1.439	2.380	8.8	18.3
1 12	7 50.05	+12 33.4	1.431	2.405	4.2	18.1
1 22	7 38.58	+14 51.5	1.453	2.429	3.9	18.1
2 1	7 28.09	+17 6.8	1.506	2.452	8.2	18.4
2 11	7 19.82	+19 10.6	1.587	2.475	12.4	18.7
2 21	7 14.49	+20 58.2	1.691	2.497	16.0	19.0

516421 2003 GU_{21} 1 15.6 104.°21 21.°1/ 7.7 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 13	8 41.02	+58 6.5	1.051	1.844	24.2	21.7
12 23	8 34.09	+61 5.5	1.024	1.850	22.4	21.6
1 2	8 18.12	+63 28.5	1.013	1.856	21.3	21.5
1 12	7 54.98	+64 50.5	1.019	1.861	21.2	21.5
1 22	7 29.86	+64 57.5	1.041	1.867	22.1	21.6
2 1	7 9.18	+63 53.5	1.079	1.872	23.7	21.7
2 11	6 56.86	+61 57.4	1.131	1.877	25.6	21.9
2 21	6 53.22	+59 30.3	1.194	1.882	27.4	22.1

231619 2009 SJ_{108} 1 15.6 77.°40 0.°9/15.8 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 13	8 18.30	+17 32.4	1.272	2.106	18.4	20.7
12 23	8 11.70	+17 52.3	1.225	2.131	13.6	20.5
1 2	8 1.93	+18 23.2	1.200	2.156	8.2	20.2
1 12	7 50.26	+19 0.1	1.200	2.181	2.4	20.0
1 22	7 38.32	+19 37.2	1.227	2.205	3.7	20.1
2 1	7 27.80	+20 10.1	1.281	2.230	9.0	20.5
2 11	7 20.05	+20 36.3	1.360	2.254	13.7	20.8
2 21	7 15.70	+20 55.3	1.459	2.277	17.5	21.1

314906 2006 VY_{116} 1 15.6 185.°92 1.°6/14.8 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 13	8 14.34	+24 20.3	2.193	3.013	12.2	21.4
12 23	8 8.08	+24 52.3	2.112	3.013	9.0	21.2
1 2	7 59.61	+25 26.5	2.058	3.012	5.4	21.0
1 12	7 49.67	+25 58.8	2.032	3.011	2.0	20.8
1 22	7 39.24	+26 25.2	2.036	3.010	3.3	20.9
2 1	7 29.45	+26 43.1	2.071	3.007	7.0	21.1
2 11	7 21.31	+26 51.8	2.133	3.004	10.5	21.3
2 21	7 15.51	+26 52.2	2.218	3.001	13.4	21.5

233603 2007 RL_{277} 1 15.6 201.°67 1.°2/16.0 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 13	8 11.26	+17 30.3	2.480	3.288	11.3	20.3
12 23	8 5.49	+17 17.9	2.393	3.286	8.5	20.1
1 2	7 57.92	+17 10.2	2.333	3.283	5.2	19.9
1 12	7 49.19	+17 6.1	2.302	3.281	1.9	19.6
1 22	7 40.12	+17 4.1	2.301	3.278	2.5	19.7
2 1	7 31.57	+17 3.0	2.331	3.274	5.9	19.9
2 11	7 24.35	+17 1.9	2.389	3.271	9.1	20.1
2 21	7 19.04	+17 0.1	2.472	3.267	11.9	20.3

6884 Takeshisato 1 15.6 40.°75 0.°3/15.6 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 13	8 13.50	+18 42.1	1.198	2.046	18.4	17.1
12 23	8 8.58	+19 6.2	1.142	2.056	13.7	16.8
1 2	8 0.32	+19 41.5	1.107	2.066	8.2	16.6
1 12	7 49.90	+20 22.7	1.096	2.077	2.2	16.2
1 22	7 38.93	+21 3.5	1.110	2.089	3.8	16.4
2 1	7 29.21	+21 38.8	1.150	2.101	9.5	16.7
2 11	7 22.22	+22 5.7	1.213	2.113	14.5	17.1
2 21	7 18.73	+22 23.5	1.296	2.126	18.6	17.4

240432 2003 WD_{96} 1 15.6 60.°69 2.°7/14.3 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 13	8 11.86	+26 36.4	1.978	2.809	12.8	20.8
12 23	8 6.41	+27 23.7	1.914	2.820	9.5	20.6
1 2	7 58.65	+28 11.8	1.876	2.831	5.8	20.4
1 12	7 49.41	+28 55.5	1.865	2.842	2.9	20.2
1 22	7 39.79	+29 30.0	1.883	2.853	4.2	20.3
2 1	7 30.94	+29 52.6	1.931	2.864	7.7	20.6
2 11	7 23.91	+30 2.8	2.004	2.875	11.1	20.8
2 21	7 19.36	+30 2.1	2.100	2.886	14.0	21.0

367592 2009 SM_{279} 1 15.6 127.°78 2.°6/14.4 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 13	8 14.28	+27 19.7	2.212	3.034	12.0	21.9
12 23	8 7.96	+28 0.2	2.146	3.047	8.9	21.7
1 2	7 59.47	+28 40.4	2.106	3.059	5.5	21.5
1 12	7 49.62	+29 15.5	2.094	3.070	2.7	21.3
1 22	7 39.42	+29 41.5	2.113	3.081	3.9	21.4
2 1	7 29.96	+29 56.3	2.161	3.092	7.2	21.7
2 11	7 22.22	+29 59.9	2.237	3.102	10.3	21.9
2 21	7 16.81	+29 53.8	2.336	3.112	13.1	22.1

19437 Jennyblank 1 15.6 116.°56 0.°3/15.4 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 13	8 11.97	+19 55.2	2.128	2.948	12.5	19.0
12 23	8 6.25	+20 27.4	2.059	2.959	9.2	18.8
1 2	7 58.47	+21 5.4	2.015	2.970	5.5	18.6
1 12	7 49.36	+21 45.5	1.999	2.981	1.4	18.4
1 22	7 39.89	+22 23.7	2.014	2.991	2.7	18.5
2 1	7 31.10	+22 56.9	2.058	3.001	6.6	18.8
2 11	7 23.91	+23 23.5	2.130	3.011	10.1	19.0
2 21	7 18.94	+23 42.9	2.226	3.021	13.0	19.2

234489 2001 TM_{62} 1 15.6 116.°73 3.°9/13.5 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 13	8 13.46	+33 53.0	2.719	3.533	10.3	20.7
12 23	8 7.08	+34 35.2	2.658	3.548	7.8	20.5
1 2	7 58.83	+35 12.5	2.623	3.564	5.4	20.4
1 12	7 49.44	+35 40.7	2.618	3.579	3.9	20.3
1 22	7 39.79	+35 56.7	2.644	3.594	4.8	20.4
2 1	7 30.81	+35 59.2	2.699	3.608	7.0	20.6
2 11	7 23.34	+35 49.2	2.781	3.622	9.3	20.7
2 21	7 17.92	+35 28.8	2.887	3.636	11.4	20.9

303435 2005 AE_{45} 1 15.6 5.°49 1.°7/15.1 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 13	8 12.57	+23 54.3	1.237	2.090	17.6	20.2
12 23	8 8.02	+24 11.0	1.173	2.090	13.1	19.9
1 2	8 0.08	+24 31.8	1.130	2.090	7.8	19.6
1 12	7 49.88	+24 51.0	1.111	2.092	2.5	19.3
1 22	7 39.02	+25 3.2	1.117	2.094	4.4	19.4
2 1	7 29.35	+25 5.5	1.149	2.098	9.9	19.8
2 11	7 22.39	+24 57.7	1.204	2.102	14.8	20.0
2 21	7 18.98	+24 41.4	1.278	2.107	18.9	20.3

188218 2002 TK_{46} 1 15.6 124.°34 3.°8/16.9 17

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 13	8 16.26	+10 49.6	1.639	2.444	16.3	21.0
12 23	8 9.76	+10 44.8	1.575	2.460	12.5	20.8
1 2	8 0.68	+10 54.7	1.533	2.475	8.3	20.6
1 12	7 49.98	+11 17.9	1.518	2.489	4.5	20.4
1 22	7 38.87	+11 51.4	1.531	2.503	4.5	20.4
2 1	7 28.71	+12 31.2	1.573	2.516	8.2	20.7
2 11	7 20.63	+13 13.1	1.641	2.528	12.2	20.9
2 21	7 15.32	+13 53.7	1.732	2.540	15.6	21.2

8729 Descour 1 15.6 28.°50 1.°8/16.2 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 13	8 13.03	+16 10.7	1.508	2.338	16.2	18.5
12 23	8 7.76	+16 10.4	1.437	2.339	12.2	18.3
1 2	7 59.69	+16 20.6	1.387	2.341	7.6	18.0
1 12	7 49.75	+16 39.2	1.364	2.343	2.9	17.7
1 22	7 39.24	+17 2.5	1.367	2.345	3.6	17.8
2 1	7 29.62	+17 27.1	1.398	2.347	8.4	18.1
2 11	7 22.17	+17 50.1	1.454	2.349	12.9	18.3
2 21	7 17.67	+18 9.7	1.532	2.352	16.7	18.6

11643 1997 AM_{22} 1 15.6 23.°74 1.°0/15.9 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 13	8 8.97	+16 46.4	0.988	1.850	20.2	16.7
12 23	8 5.52	+17 13.7	0.945	1.865	15.0	16.5
1 2	7 58.58	+17 56.6	0.921	1.882	9.1	16.2
1 12	7 49.45	+18 49.4	0.920	1.901	2.8	15.9
1 22	7 39.90	+19 44.4	0.942	1.921	4.0	16.1
2 1	7 31.79	+20 34.6	0.988	1.943	9.9	16.5
2 11	7 26.60	+21 15.5	1.055	1.966	15.1	16.8
2 21	7 25.00	+21 45.4	1.142	1.991	19.4	17.2

316467 2010 UC_{98} 1 15.6 168.°14 1.°8/16.3 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 13	8 11.64	+14 44.0	1.815	2.632	14.4	21.0
12 23	8 6.37	+15 1.6	1.737	2.633	10.9	20.8
1 2	7 58.72	+15 30.5	1.683	2.634	6.8	20.5
1 12	7 49.48	+16 8.2	1.656	2.634	2.7	20.3
1 22	7 39.72	+16 50.8	1.658	2.635	3.2	20.3
2 1	7 30.62	+17 34.3	1.688	2.635	7.4	20.6
2 11	7 23.30	+18 15.3	1.745	2.635	11.4	20.8
2 21	7 18.48	+18 51.5	1.825	2.636	14.8	21.0

157582 2005 UE_{373} 1 15.6 26.°79 3.°9/16.7 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 13	8 11.36	+12 27.4	1.621	2.440	15.8	19.9
12 23	8 6.23	+11 54.3	1.552	2.445	12.2	19.7
1 2	7 58.63	+11 33.0	1.507	2.452	8.1	19.5
1 12	7 49.45	+11 23.5	1.486	2.458	4.5	19.3
1 22	7 39.84	+11 24.7	1.494	2.465	4.7	19.3
2 1	7 31.09	+11 34.4	1.528	2.473	8.3	19.6
2 11	7 24.29	+11 49.8	1.588	2.481	12.2	19.8
2 21	7 20.13	+12 7.9	1.670	2.489	15.6	20.0

274611 2008 TM_{57} 1 15.6 158.°22 1.°0/15.1 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 13	8 11.57	+23 2.3	2.203	3.027	12.0	21.5
12 23	8 6.00	+23 26.1	2.126	3.028	8.9	21.3
1 2	7 58.35	+23 52.8	2.074	3.030	5.3	21.1
1 12	7 49.36	+24 18.9	2.051	3.032	1.6	20.9
1 22	7 39.97	+24 41.0	2.057	3.033	2.9	21.0
2 1	7 31.19	+24 56.8	2.094	3.035	6.7	21.2
2 11	7 23.99	+25 5.4	2.157	3.036	10.1	21.4
2 21	7 18.98	+25 7.1	2.245	3.037	13.0	21.6

115623 2003 UE_{118} 1 15.6 11.°61 3.°5/16.6 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 13	8 12.05	+13 43.5	1.399	2.229	17.2	19.2
12 23	8 7.15	+13 19.3	1.330	2.230	13.2	18.9
1 2	7 59.37	+13 7.8	1.282	2.232	8.6	18.7
1 12	7 49.68	+13 8.3	1.259	2.234	4.3	18.4
1 22	7 39.42	+13 18.8	1.262	2.237	4.6	18.5
2 1	7 30.10	+13 36.4	1.292	2.240	9.0	18.7
2 11	7 23.03	+13 57.7	1.345	2.244	13.5	19.0
2 21	7 19.02	+14 19.5	1.420	2.248	17.4	19.2

90475 2004 CC_{105} 1 15.6 15.°99 7.°9/20.2 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 13	8 6.18	− 1 59.5	1.807	2.573	16.5	18.3
12 23	8 2.24	− 2 5.7	1.736	2.578	13.8	18.1
1 2	7 56.20	− 1 47.1	1.685	2.584	11.0	18.0
1 12	7 48.81	− 1 2.6	1.658	2.591	8.6	17.9
1 22	7 40.99	+ 0 5.9	1.657	2.598	7.9	17.8
2 1	7 33.79	+ 1 33.4	1.682	2.606	9.4	17.9
2 11	7 28.18	+ 3 12.7	1.733	2.615	11.9	18.1
2 21	7 24.79	+ 4 55.9	1.808	2.625	14.7	18.3

288562 2004 HW_{10} 1 15.6 225.°02 4.°4/13.4 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 13	8 14.93	+30 58.7	2.021	2.847	12.8	20.9
12 23	8 8.97	+32 2.5	1.941	2.841	9.7	20.6
1 2	8 0.38	+33 5.2	1.887	2.834	6.5	20.4
1 12	7 49.96	+33 59.7	1.860	2.827	4.5	20.3
1 22	7 38.87	+34 40.1	1.863	2.820	5.7	20.4
2 1	7 28.43	+35 3.0	1.894	2.812	8.9	20.5
2 11	7 19.91	+35 8.6	1.951	2.805	12.2	20.7
2 21	7 14.10	+34 59.5	2.030	2.796	15.1	20.9

136424 2005 CW_{51} 1 15.6 197.°59 1.°0/15.9 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 13	8 13.48	+17 0.8	1.892	2.709	13.9	20.4
12 23	8 7.69	+17 15.8	1.810	2.707	10.4	20.2
1 2	7 59.51	+17 39.4	1.752	2.705	6.4	20.0
1 12	7 49.71	+18 8.8	1.722	2.703	2.1	19.7
1 22	7 39.35	+18 40.5	1.722	2.699	3.0	19.7
2 1	7 29.66	+19 11.2	1.750	2.696	7.3	20.0
2 11	7 21.72	+19 38.3	1.806	2.692	11.3	20.2
2 21	7 16.30	+20 0.6	1.884	2.688	14.7	20.4

300296 2007 PD_{10} 1 15.6 70.°41 0.°2/15.7 17

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 13	8 15.68	+18 30.8	1.449	2.281	16.6	20.7
12 23	8 9.56	+19 1.5	1.399	2.305	12.3	20.5
1 2	8 0.62	+19 41.4	1.372	2.329	7.3	20.3
1 12	7 49.97	+20 25.2	1.372	2.353	2.0	20.0
1 22	7 39.03	+21 7.5	1.399	2.377	3.4	20.1
2 1	7 29.28	+21 43.9	1.454	2.401	8.3	20.5
2 11	7 21.93	+22 12.3	1.534	2.424	12.6	20.8
2 21	7 17.63	+22 32.3	1.635	2.448	16.2	21.1

301048 2008 TB_{162} 1 15.6 260.°79 4.°0/14.2 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 13	8 16.89	+28 31.9	1.559	2.396	15.4	21.3
12 23	8 11.04	+29 17.8	1.477	2.384	11.6	21.0
1 2	8 1.91	+30 4.3	1.418	2.372	7.4	20.8
1 12	7 50.43	+30 43.8	1.385	2.360	4.1	20.5
1 22	7 38.05	+31 9.4	1.380	2.348	5.7	20.6
2 1	7 26.52	+31 17.5	1.402	2.335	10.0	20.8
2 11	7 17.42	+31 8.6	1.449	2.322	14.4	21.0
2 21	7 11.74	+30 46.0	1.516	2.310	18.1	21.3

239722 2009 BD_{51} 1 15.6 351.°44 0.°2/15.5 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 13	8 8.94	+20 2.8	2.103	2.929	12.4	21.0
12 23	8 4.17	+20 30.5	2.024	2.927	9.2	20.8
1 2	7 57.33	+21 4.3	1.969	2.926	5.5	20.5
1 12	7 49.12	+21 40.7	1.943	2.924	1.4	20.3
1 22	7 40.46	+22 16.2	1.946	2.923	2.7	20.4
2 1	7 32.37	+22 47.5	1.978	2.922	6.7	20.6
2 11	7 25.80	+23 12.7	2.036	2.922	10.3	20.8
2 21	7 21.42	+23 31.0	2.119	2.921	13.3	21.0

7605 Cindygraber 1 15.6 255.°75 3.°9/14.5 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 13	8 18.75	+34 53.8	2.438	3.247	11.4	16.6
12 23	8 11.17	+34 50.5	2.353	3.241	8.8	16.4
1 2	8 1.36	+34 39.3	2.293	3.234	6.0	16.2
1 12	7 50.17	+34 16.4	2.263	3.228	4.0	16.1
1 22	7 38.68	+33 39.6	2.263	3.221	4.8	16.1
2 1	7 28.02	+32 49.3	2.294	3.214	7.4	16.3
2 11	7 19.20	+31 48.2	2.353	3.207	10.3	16.4
2 21	7 12.82	+30 40.3	2.437	3.200	12.9	16.6

320868 2008 GL_1 1 15.6 200.°76 5.°8/12.9 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 13	8 17.86	+37 17.2	2.242	3.055	12.2	20.8
12 23	8 10.96	+38 9.7	2.167	3.052	9.6	20.6
1 2	8 1.47	+38 55.0	2.117	3.049	7.1	20.5
1 12	7 50.25	+39 26.6	2.094	3.044	5.8	20.4
1 22	7 38.49	+39 39.7	2.101	3.040	6.7	20.4
2 1	7 27.52	+39 32.7	2.136	3.035	9.1	20.6
2 11	7 18.53	+39 7.5	2.197	3.029	11.8	20.7
2 21	7 12.27	+38 28.3	2.281	3.023	14.3	20.9

165802 2001 RN_{54} 1 15.6 138.°30 1.°4/14.8 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 13	8 10.86	+24 54.5	2.691	3.508	10.2	20.3
12 23	8 5.14	+25 22.2	2.618	3.517	7.5	20.2
1 2	7 57.71	+25 50.9	2.572	3.526	4.5	20.0
1 12	7 49.20	+26 17.3	2.555	3.534	1.7	19.8
1 22	7 40.41	+26 38.8	2.569	3.542	2.8	19.9
2 1	7 32.16	+26 53.5	2.614	3.550	5.8	20.1
2 11	7 25.21	+27 0.9	2.688	3.557	8.6	20.3
2 21	7 20.11	+27 1.3	2.786	3.564	11.1	20.5

163292 2002 GB_{151} 1 15.6 7.°91 4.°3/16.8 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 13	8 12.11	+12 3.6	1.382	2.209	17.6	19.6
12 23	8 7.24	+11 36.0	1.312	2.209	13.6	19.4
1 2	7 59.47	+11 22.9	1.263	2.210	9.1	19.1
1 12	7 49.75	+11 24.3	1.238	2.211	5.0	18.9
1 22	7 39.42	+11 38.3	1.240	2.213	5.1	18.9
2 1	7 30.01	+12 1.8	1.268	2.215	9.3	19.2
2 11	7 22.86	+12 30.7	1.319	2.217	13.7	19.4
2 21	7 18.78	+13 1.1	1.392	2.220	17.6	19.7

46986 1998 SR_{163} 1 15.6 67.°61 1.°9/16.3 17

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 13	8 15.08	+14 42.9	1.572	2.392	16.1	19.8
12 23	8 8.81	+15 0.9	1.525	2.423	12.0	19.7
1 2	8 0.05	+15 30.8	1.502	2.453	7.4	19.5
1 12	7 49.83	+16 8.8	1.505	2.483	2.9	19.3
1 22	7 39.41	+16 50.4	1.536	2.513	3.4	19.4
2 1	7 30.11	+17 31.5	1.596	2.543	7.7	19.7
2 11	7 22.98	+18 8.8	1.682	2.573	11.7	20.0
2 21	7 18.62	+18 40.5	1.790	2.602	15.0	20.3

56703 2000 LT_{30} 1 15.6 198.°10 2.°6/16.6 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 13	8 12.66	+13 14.8	2.331	3.129	12.3	18.8
12 23	8 6.65	+12 58.1	2.243	3.126	9.4	18.7
1 2	7 58.71	+12 49.4	2.180	3.123	6.1	18.4
1 12	7 49.50	+12 48.0	2.146	3.119	3.2	18.2
1 22	7 39.87	+12 52.8	2.142	3.114	3.4	18.2
2 1	7 30.77	+13 2.1	2.168	3.109	6.5	18.4
2 11	7 23.07	+13 14.2	2.223	3.104	9.7	18.6
2 21	7 17.38	+13 27.4	2.302	3.098	12.6	18.8

421024 2013 PO_{63} 1 15.6 211.°04 0.°8/15.9 16

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 13	8 12.98	+18 12.1	2.250	3.061	12.2	21.9
12 23	8 7.01	+18 13.9	2.161	3.056	9.1	21.7
1 2	7 58.99	+18 21.2	2.098	3.050	5.6	21.5
1 12	7 49.59	+18 32.0	2.063	3.043	1.8	21.2
1 22	7 39.72	+18 44.1	2.059	3.036	2.6	21.3
2 1	7 30.40	+18 55.3	2.085	3.029	6.4	21.5
2 11	7 22.56	+19 4.4	2.139	3.021	10.0	21.7
2 21	7 16.87	+19 10.6	2.217	3.012	13.1	21.9

355840 2008 UW_{51} 1 15.6 11.°84 4.°4/14.1 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 13	8 14.47	+27 57.9	1.277	2.128	17.2	20.4
12 23	8 9.56	+28 53.4	1.214	2.129	12.9	20.1
1 2	8 1.10	+29 50.2	1.174	2.131	8.2	19.9
1 12	7 50.22	+30 39.2	1.157	2.133	4.5	19.7
1 22	7 38.62	+31 12.6	1.167	2.136	6.3	19.8
2 1	7 28.22	+31 26.3	1.202	2.139	10.9	20.0
2 11	7 20.65	+31 21.1	1.259	2.143	15.4	20.3
2 21	7 16.80	+31 1.0	1.336	2.147	19.2	20.6

274833 2009 QQ_1 1 15.6 125.°34 0.°7/15.4 17

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 13	8 21.96	+22 35.6	1.596	2.418	15.9	21.7
12 23	8 14.07	+22 40.5	1.535	2.436	11.7	21.5
1 2	8 3.28	+22 48.2	1.499	2.454	7.0	21.2
1 12	7 50.72	+22 54.4	1.489	2.471	1.9	21.0
1 22	7 37.85	+22 55.6	1.510	2.487	3.5	21.1
2 1	7 26.21	+22 50.2	1.559	2.502	8.3	21.4
2 11	7 17.07	+22 38.8	1.635	2.516	12.6	21.7
2 21	7 11.10	+22 22.8	1.733	2.529	16.1	22.0

102346 1999 TF_{122} 1 15.6 93.°07 4.°6/17.4 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 13	8 12.92	+ 8 51.2	1.673	2.476	16.1	19.9
12 23	8 7.29	+ 8 39.7	1.608	2.489	12.5	19.7
1 2	7 59.24	+ 8 44.3	1.565	2.502	8.6	19.5
1 12	7 49.65	+ 9 4.4	1.549	2.515	5.2	19.3
1 22	7 39.68	+ 9 37.5	1.560	2.528	5.1	19.3
2 1	7 30.54	+10 19.8	1.599	2.540	8.2	19.5
2 11	7 23.34	+11 6.6	1.664	2.553	11.9	19.8
2 21	7 18.72	+11 53.7	1.751	2.565	15.2	20.0

168534 1999 VW_{45} 1 15.6 80.°16 3.°4/14.5 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 13	8 17.55	+28 27.4	1.584	2.419	15.3	19.6
12 23	8 11.03	+28 58.5	1.527	2.433	11.4	19.4
1 2	8 1.57	+29 27.9	1.493	2.447	7.1	19.1
1 12	7 50.28	+29 49.0	1.485	2.461	3.6	19.0
1 22	7 38.63	+29 57.4	1.506	2.475	5.0	19.1
2 1	7 28.18	+29 51.3	1.554	2.489	9.0	19.3
2 11	7 20.19	+29 32.3	1.628	2.503	12.9	19.6
2 21	7 15.36	+29 3.8	1.722	2.517	16.2	19.9

461082 2015 AJ_{86} 1 15.6 56.°07 0.°8/15.9 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 13	8 11.56	+17 34.4	1.784	2.609	14.3	20.1
12 23	8 6.17	+17 53.5	1.726	2.628	10.6	20.0
1 2	7 58.51	+18 20.9	1.692	2.647	6.4	19.7
1 12	7 49.45	+18 53.1	1.686	2.667	2.0	19.5
1 22	7 40.09	+19 26.3	1.708	2.686	2.9	19.6
2 1	7 31.61	+19 57.2	1.759	2.706	7.1	19.9
2 11	7 24.99	+20 23.6	1.836	2.726	10.9	20.2
2 21	7 20.84	+20 44.2	1.936	2.746	14.1	20.4

191933 2005 TL_{105} 1 15.6 109.°89 1.°3/15.2 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 13	8 20.33	+23 46.6	1.602	2.428	15.6	20.8
12 23	8 12.86	+23 59.3	1.545	2.448	11.5	20.6
1 2	8 2.56	+24 14.0	1.512	2.467	6.8	20.4
1 12	7 50.54	+24 25.8	1.505	2.486	2.1	20.1
1 22	7 38.23	+24 31.1	1.528	2.504	3.7	20.3
2 1	7 27.15	+24 28.1	1.580	2.522	8.3	20.6
2 11	7 18.51	+24 17.3	1.658	2.539	12.4	20.9
2 21	7 12.99	+24 0.7	1.757	2.555	15.9	21.1

377531 2005 GC_{124} 1 15.6 339.°22 2.°4/16.5 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 13	8 8.34	+14 27.1	1.721	2.547	14.7	20.8
12 23	8 4.13	+14 22.7	1.638	2.537	11.2	20.6
1 2	7 57.51	+14 29.3	1.577	2.528	7.2	20.3
1 12	7 49.24	+14 45.6	1.542	2.519	3.2	20.1
1 22	7 40.39	+15 9.0	1.535	2.511	3.6	20.1
2 1	7 32.15	+15 36.4	1.555	2.504	7.7	20.3
2 11	7 25.67	+16 4.7	1.601	2.497	11.8	20.5
2 21	7 21.71	+16 31.3	1.669	2.491	15.5	20.7

1659 Punkaharju 1 15.6 65.°97 6.°8/14.0 18 R

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 13	8 23.70	+39 37.2	1.770	2.584	14.9	14.0
12 23	8 15.27	+40 6.8	1.728	2.612	11.7	13.9
1 2	8 3.87	+40 23.1	1.710	2.640	8.6	13.8
1 12	7 50.84	+40 19.2	1.718	2.667	6.9	13.7
1 22	7 37.83	+39 52.2	1.754	2.695	7.6	13.8
2 1	7 26.43	+39 3.6	1.818	2.722	10.1	14.0
2 11	7 17.83	+37 58.9	1.907	2.749	12.9	14.3
2 21	7 12.55	+36 44.5	2.018	2.776	15.4	14.5

179769 2002 SO_{18} 1 15.6 96.°48 1.°0/15.2 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 13	8 14.85	+22 23.1	1.748	2.577	14.4	21.0
12 23	8 8.76	+22 50.1	1.685	2.590	10.6	20.8
1 2	8 0.14	+23 21.2	1.646	2.603	6.3	20.5
1 12	7 49.91	+23 51.9	1.635	2.616	1.8	20.3
1 22	7 39.30	+24 17.8	1.652	2.629	3.4	20.4
2 1	7 29.61	+24 36.0	1.698	2.641	7.7	20.7
2 11	7 21.98	+24 45.7	1.771	2.653	11.7	21.0
2 21	7 17.09	+24 47.5	1.865	2.665	15.0	21.2

117126 2004 PN_{39} 1 15.6 125.°51 1.°0/16.1 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 13	8 12.12	+16 45.2	2.280	3.090	12.1	20.7
12 23	8 6.21	+16 59.2	2.210	3.103	9.0	20.5
1 2	7 58.42	+17 20.1	2.165	3.116	5.5	20.3
1 12	7 49.43	+17 45.5	2.149	3.129	1.9	20.1
1 22	7 40.15	+18 12.7	2.164	3.141	2.5	20.1
2 1	7 31.50	+18 39.2	2.209	3.153	6.1	20.4
2 11	7 24.34	+19 2.9	2.282	3.165	9.4	20.6
2 21	7 19.22	+19 22.9	2.379	3.176	12.2	20.8

299456 2006 BT_{62} 1 15.6 309.°03 1.°3/16.1 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 13	8 12.31	+15 16.5	1.459	2.289	16.6	20.3
12 23	8 7.48	+15 50.8	1.382	2.286	12.6	20.0
1 2	7 59.71	+16 39.9	1.328	2.283	7.8	19.8
1 12	7 49.89	+17 40.0	1.299	2.280	2.6	19.4
1 22	7 39.31	+18 44.8	1.298	2.277	3.5	19.5
2 1	7 29.50	+19 48.2	1.324	2.274	8.7	19.8
2 11	7 21.88	+20 45.0	1.375	2.271	13.4	20.1
2 21	7 17.33	+21 32.5	1.447	2.268	17.5	20.3

356328 2010 JL_{75} 1 15.6 191.°23 2.°8/14.5 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 13	8 16.18	+26 14.6	1.698	2.530	14.6	21.0
12 23	8 10.11	+26 58.7	1.624	2.530	10.9	20.7
1 2	8 1.16	+27 44.9	1.573	2.529	6.7	20.5
1 12	7 50.26	+28 26.7	1.550	2.527	3.1	20.3
1 22	7 38.70	+28 58.3	1.555	2.526	4.7	20.4
2 1	7 28.00	+29 16.2	1.589	2.524	8.8	20.6
2 11	7 19.50	+29 20.3	1.647	2.522	12.9	20.9
2 21	7 14.01	+29 12.7	1.728	2.520	16.3	21.1

393740 2005 CC_{30} 1 15.6 181.°27 0.°7/15.1 17

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 13	8 5.79	+23 8.7	3.798	4.611	7.6	21.7
12 23	8 1.07	+23 29.9	3.714	4.611	5.6	21.5
1 2	7 55.18	+23 52.6	3.657	4.611	3.3	21.4
1 12	7 48.57	+24 14.8	3.630	4.611	1.0	21.2
1 22	7 41.72	+24 34.9	3.635	4.611	1.8	21.2
2 1	7 35.19	+24 51.5	3.672	4.610	4.2	21.4
2 11	7 29.48	+25 3.7	3.738	4.609	6.4	21.6
2 21	7 24.99	+25 11.4	3.830	4.608	8.3	21.7

168481 1999 RN_{85} 1 15.6 121.°33 0.°0/15.5 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 13	8 15.37	+19 20.6	1.883	2.701	13.9	20.8
12 23	8 8.96	+19 47.3	1.818	2.717	10.3	20.6
1 2	8 0.20	+20 20.5	1.777	2.732	6.1	20.4
1 12	7 49.96	+20 56.2	1.765	2.747	1.6	20.1
1 22	7 39.34	+21 30.4	1.783	2.761	2.9	20.3
2 1	7 29.57	+21 59.8	1.830	2.774	7.2	20.6
2 11	7 21.69	+22 22.6	1.905	2.787	11.0	20.8
2 21	7 16.36	+22 38.6	2.002	2.800	14.2	21.0

486012 2012 RN_{11} 1 15.6 84.°55 3.°5/14.8 17

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 13	8 22.55	+28 20.5	1.338	2.175	17.5	21.2
12 23	8 14.96	+28 46.0	1.291	2.198	13.0	21.0
1 2	8 3.97	+29 8.9	1.265	2.220	8.0	20.8
1 12	7 50.95	+29 21.9	1.266	2.243	3.9	20.6
1 22	7 37.72	+29 20.3	1.294	2.265	5.4	20.8
2 1	7 26.12	+29 3.3	1.349	2.286	9.9	21.1
2 11	7 17.56	+28 33.8	1.428	2.308	14.2	21.4
2 21	7 12.66	+27 56.3	1.528	2.328	17.7	21.7

378449 2007 RP_{312} 1 15.6 83.°88 5.°0/18.2 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 13	8 8.70	+ 4 41.9	2.283	3.059	13.2	21.3
12 23	8 3.67	+ 4 30.4	2.213	3.072	10.5	21.1
1 2	7 56.91	+ 4 33.7	2.166	3.085	7.8	21.0
1 12	7 49.06	+ 4 52.0	2.147	3.099	5.5	20.9
1 22	7 40.93	+ 5 23.7	2.155	3.111	5.2	20.9
2 1	7 33.37	+ 6 6.0	2.193	3.124	7.1	21.0
2 11	7 27.14	+ 6 55.2	2.259	3.137	9.7	21.2
2 21	7 22.77	+ 7 47.1	2.348	3.150	12.2	21.4

445578 2011 QD_{64} 1 15.6 47.°45 0.°7/15.8 16

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 13	8 14.65	+18 48.6	1.260	2.103	18.0	22.1
12 23	8 9.20	+18 54.5	1.209	2.119	13.3	21.8
1 2	8 0.61	+19 9.7	1.179	2.137	8.0	21.6
1 12	7 50.09	+19 30.2	1.173	2.154	2.3	21.3
1 22	7 39.20	+19 51.2	1.194	2.173	3.6	21.4
2 1	7 29.62	+20 9.4	1.241	2.192	9.0	21.8
2 11	7 22.68	+20 22.6	1.312	2.211	13.7	22.1
2 21	7 19.07	+20 30.4	1.403	2.230	17.6	22.4

494719 2005 SD_{171} 1 15.6 108.°89 3.°2/16.9 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 13	8 12.05	+11 32.7	1.967	2.771	14.0	21.8
12 23	8 6.40	+11 25.4	1.897	2.782	10.7	21.6
1 2	7 58.64	+11 29.8	1.851	2.793	7.1	21.4
1 12	7 49.54	+11 44.8	1.832	2.803	3.8	21.2
1 22	7 40.09	+12 8.3	1.842	2.814	3.9	21.2
2 1	7 31.35	+12 37.4	1.881	2.824	7.1	21.4
2 11	7 24.26	+13 9.1	1.947	2.834	10.6	21.7
2 21	7 19.43	+13 40.5	2.037	2.843	13.6	21.9

320737 2008 EL_{36} 1 15.6 265.°42 0.°0/15.6 16

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 13	8 12.05	+19 7.6	1.881	2.706	13.7	21.7
12 23	8 6.84	+19 34.9	1.791	2.693	10.2	21.5
1 2	7 59.16	+20 10.3	1.725	2.681	6.2	21.2
1 12	7 49.74	+20 50.1	1.687	2.668	1.7	20.9
1 22	7 39.64	+21 30.0	1.678	2.656	3.0	20.9
2 1	7 30.09	+22 6.1	1.698	2.643	7.5	21.2
2 11	7 22.26	+22 35.9	1.744	2.630	11.6	21.4
2 21	7 16.97	+22 58.3	1.813	2.617	15.2	21.6

417041 2005 UX_{118} 1 15.6 121.°72 0.°9/15.9 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 13	8 12.36	+17 35.5	1.967	2.785	13.4	22.2
12 23	8 6.73	+17 44.7	1.893	2.791	10.0	22.0
1 2	7 58.89	+18 1.1	1.844	2.797	6.1	21.7
1 12	7 49.62	+18 22.3	1.823	2.803	2.0	21.5
1 22	7 39.95	+18 45.2	1.831	2.809	2.8	21.5
2 1	7 30.98	+19 7.2	1.868	2.814	6.9	21.8
2 11	7 23.71	+19 26.1	1.932	2.819	10.6	22.1
2 21	7 18.79	+19 41.1	2.020	2.824	13.8	22.3

467106 2016 EB_{59} 1 15.6 218.°98 1.°4/14.9 17

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 13	8 13.02	+24 31.9	2.350	3.169	11.5	22.3
12 23	8 7.09	+24 56.0	2.262	3.162	8.5	22.1
1 2	7 59.09	+25 21.8	2.200	3.154	5.1	21.8
1 12	7 49.69	+25 45.8	2.166	3.146	1.8	21.6
1 22	7 39.81	+26 4.6	2.164	3.138	3.1	21.7
2 1	7 30.46	+26 16.1	2.191	3.129	6.6	21.9
2 11	7 22.60	+26 19.5	2.247	3.119	10.0	22.1
2 21	7 16.90	+26 15.7	2.326	3.110	12.9	22.3

509012 2005 LE_{53} 1 15.6 148.°71 0.°5/15.8 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 13	8 18.85	+19 18.2	1.766	2.582	14.8	22.6
12 23	8 11.68	+19 21.2	1.696	2.593	11.0	22.4
1 2	8 1.89	+19 29.9	1.650	2.603	6.6	22.2
1 12	7 50.44	+19 41.2	1.632	2.613	1.9	21.9
1 22	7 38.57	+19 52.1	1.644	2.621	3.1	22.0
2 1	7 27.63	+20 0.2	1.685	2.629	7.7	22.3
2 11	7 18.80	+20 4.6	1.753	2.636	11.8	22.5
2 21	7 12.78	+20 5.2	1.844	2.642	15.2	22.8

43946 1997 AR_{6} 1 15.6 4.°40 3.°4/16.1 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 13	8 14.65	+16 59.1	1.089	1.938	19.8	17.9
12 23	8 9.77	+16 4.4	1.025	1.937	15.1	17.6
1 2	8 1.27	+15 18.2	0.981	1.937	9.6	17.3
1 12	7 50.34	+14 41.1	0.960	1.938	4.3	17.0
1 22	7 38.74	+14 13.1	0.963	1.940	5.1	17.1
2 1	7 28.42	+13 53.5	0.991	1.942	10.5	17.4
2 11	7 21.03	+13 40.9	1.040	1.946	15.8	17.7
2 21	7 17.41	+13 33.3	1.109	1.950	20.3	18.0

154372 2002 XM_{84} 1 15.6 89.°76 4.°7/14.0 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 13	8 21.59	+29 48.6	1.454	2.288	16.5	19.4
12 23	8 14.20	+30 51.9	1.409	2.313	12.3	19.2
1 2	8 3.54	+31 52.0	1.387	2.338	7.9	19.0
1 12	7 50.87	+32 39.9	1.392	2.363	4.9	18.9
1 22	7 37.91	+33 9.1	1.424	2.387	6.3	19.0
2 1	7 26.41	+33 17.4	1.483	2.410	10.1	19.3
2 11	7 17.77	+33 7.5	1.568	2.433	13.9	19.6
2 21	7 12.66	+32 43.9	1.672	2.456	17.1	19.9

88281 2001 MV_{18} 1 15.6 119.°71 5.°2/17.8 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 13	8 15.10	+ 6 48.7	1.703	2.494	16.3	20.1
12 23	8 8.86	+ 6 38.2	1.639	2.511	12.9	19.9
1 2	8 0.19	+ 6 45.4	1.597	2.527	9.1	19.7
1 12	7 49.99	+ 7 10.0	1.581	2.542	5.9	19.6
1 22	7 39.40	+ 7 49.4	1.593	2.557	5.6	19.6
2 1	7 29.68	+ 8 39.4	1.633	2.571	8.4	19.8
2 11	7 21.91	+ 9 35.0	1.700	2.585	12.0	20.0
2 21	7 16.75	+10 31.2	1.790	2.597	15.2	20.3

62202 2000 SY_{54} 1 15.6 270.°32 0.°8/15.9 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 13	8 11.61	+17 54.1	1.910	2.732	13.6	19.4
12 23	8 6.38	+18 4.7	1.825	2.725	10.2	19.1
1 2	7 58.81	+18 22.9	1.765	2.719	6.2	18.9
1 12	7 49.65	+18 46.1	1.731	2.712	2.0	18.6
1 22	7 39.92	+19 11.1	1.727	2.705	2.9	18.6
2 1	7 30.81	+19 35.0	1.751	2.698	7.2	18.9
2 11	7 23.39	+19 55.6	1.802	2.691	11.2	19.1
2 21	7 18.41	+20 11.6	1.877	2.684	14.6	19.3

265859 2005 YZ_{159} 1 15.6 203.°93 1.°9/16.4 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 13	8 11.53	+14 49.3	2.375	3.179	11.9	20.9
12 23	8 5.85	+14 45.3	2.287	3.175	9.0	20.7
1 2	7 58.28	+14 48.8	2.224	3.171	5.7	20.5
1 12	7 49.48	+14 58.4	2.190	3.166	2.5	20.3
1 22	7 40.25	+15 12.4	2.186	3.161	2.9	20.3
2 1	7 31.52	+15 28.9	2.212	3.156	6.2	20.5
2 11	7 24.15	+15 45.9	2.267	3.150	9.5	20.7
2 21	7 18.73	+16 2.0	2.346	3.144	12.4	20.9

452540 2004 TH_{275} 1 15.6 105.°74 3.°0/16.8 16

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 13	8 16.28	+12 26.0	1.742	2.548	15.4	21.9
12 23	8 9.61	+12 21.5	1.683	2.570	11.7	21.7
1 2	8 0.57	+12 29.2	1.647	2.592	7.6	21.5
1 12	7 50.07	+12 47.4	1.639	2.613	3.8	21.3
1 22	7 39.29	+13 13.3	1.659	2.633	3.9	21.4
2 1	7 29.47	+13 43.5	1.709	2.653	7.6	21.6
2 11	7 21.64	+14 14.9	1.786	2.672	11.4	21.9
2 21	7 16.43	+14 44.8	1.885	2.690	14.6	22.1

171445 2007 RT_{141} 1 15.6 104.°70 1.°2/15.2 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 13	8 17.28	+22 49.8	1.765	2.589	14.5	20.8
12 23	8 10.47	+23 17.9	1.707	2.610	10.6	20.6
1 2	8 1.13	+23 49.3	1.674	2.630	6.3	20.4
1 12	7 50.23	+24 19.2	1.668	2.649	1.9	20.2
1 22	7 39.02	+24 43.4	1.692	2.668	3.4	20.3
2 1	7 28.83	+24 59.1	1.745	2.687	7.7	20.6
2 11	7 20.77	+25 6.0	1.825	2.705	11.6	20.9
2 21	7 15.49	+25 5.2	1.927	2.722	14.8	21.1

135700 2002 PV_{18} 1 15.6 49.°05 0.°3/15.5 17

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 13	8 17.64	+21 12.5	1.281	2.122	17.9	19.3
12 23	8 11.09	+21 21.0	1.245	2.155	13.1	19.1
1 2	8 1.53	+21 35.1	1.230	2.188	7.7	18.9
1 12	7 50.30	+21 50.1	1.241	2.222	2.0	18.6
1 22	7 39.03	+22 1.8	1.278	2.257	3.6	18.8
2 1	7 29.30	+22 7.8	1.343	2.291	8.7	19.2
2 11	7 22.32	+22 7.8	1.432	2.326	13.2	19.6
2 21	7 18.61	+22 2.4	1.542	2.360	16.7	19.9

104824 2000 HP_{56} 1 15.6 265.°93 1.°4/14.9 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 13	8 10.59	+23 46.5	2.246	3.071	11.7	20.1
12 23	8 5.39	+24 20.1	2.163	3.066	8.7	19.9
1 2	7 58.11	+24 56.8	2.105	3.061	5.2	19.7
1 12	7 49.45	+25 32.7	2.075	3.055	1.8	19.4
1 22	7 40.31	+26 3.9	2.076	3.050	3.1	19.5
2 1	7 31.70	+26 27.7	2.106	3.045	6.8	19.7
2 11	7 24.59	+26 42.9	2.163	3.039	10.1	19.9
2 21	7 19.64	+26 49.7	2.244	3.034	13.1	20.1

51888 2001 QZ_{17} 1 15.6 119.°77 0.°2/15.5 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 13	8 6.38	+21 18.1	3.711	4.520	7.9	19.7
12 23	8 1.45	+21 32.0	3.639	4.534	5.8	19.5
1 2	7 55.40	+21 47.8	3.594	4.548	3.4	19.4
1 12	7 48.66	+22 4.1	3.580	4.561	0.9	19.2
1 22	7 41.75	+22 19.1	3.597	4.574	1.7	19.3
2 1	7 35.21	+22 31.8	3.646	4.587	4.1	19.5
2 11	7 29.53	+22 41.3	3.725	4.600	6.3	19.7
2 21	7 25.10	+22 47.3	3.829	4.612	8.2	19.8

467067 2016 DC_{19} 1 15.6 323.°00 1.°5/16.2 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 13	8 10.88	+16 11.6	1.730	2.555	14.7	21.3
12 23	8 6.02	+16 20.9	1.649	2.550	11.1	21.1
1 2	7 58.68	+16 40.3	1.592	2.545	6.9	20.8
1 12	7 49.64	+17 7.3	1.561	2.540	2.5	20.6
1 22	7 40.01	+17 38.5	1.558	2.536	3.2	20.6
2 1	7 31.05	+18 10.4	1.583	2.531	7.6	20.9
2 11	7 23.92	+18 39.8	1.634	2.527	11.8	21.1
2 21	7 19.39	+19 5.0	1.708	2.523	15.5	21.3

16715 Trettenero 1 15.6 194.°55 2.°7/17.0 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 13	8 8.68	+10 54.9	2.949	3.736	10.2	20.2
12 23	8 3.41	+10 44.2	2.859	3.734	7.9	20.0
1 2	7 56.70	+10 41.3	2.795	3.731	5.4	19.8
1 12	7 49.05	+10 46.0	2.760	3.728	3.1	19.7
1 22	7 41.09	+10 57.2	2.756	3.725	3.1	19.7
2 1	7 33.52	+11 13.4	2.783	3.721	5.4	19.8
2 11	7 26.97	+11 32.8	2.839	3.717	7.9	20.0
2 21	7 21.94	+11 53.6	2.920	3.712	10.3	20.1

332156 2005 YL_{109} 1 15.6 150.°11 0.°9/15.9 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 13	8 12.42	+18 24.3	2.043	2.861	13.0	21.2
12 23	8 6.73	+18 21.2	1.965	2.863	9.7	21.0
1 2	7 58.90	+18 23.7	1.912	2.865	5.9	20.8
1 12	7 49.67	+18 29.9	1.886	2.866	1.9	20.5
1 22	7 40.03	+18 37.6	1.890	2.868	2.7	20.6
2 1	7 31.05	+18 44.7	1.924	2.869	6.7	20.8
2 11	7 23.73	+18 50.1	1.984	2.871	10.4	21.0
2 21	7 18.69	+18 52.9	2.069	2.872	13.6	21.3

193832 2001 QW_{42} 1 15.6 92.°32 0.°3/15.7 17

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 13	8 16.38	+17 42.1	1.478	2.306	16.6	20.8
12 23	8 10.19	+18 19.6	1.422	2.325	12.3	20.5
1 2	8 1.14	+19 7.7	1.388	2.344	7.4	20.3
1 12	7 50.28	+20 0.9	1.381	2.363	2.1	20.0
1 22	7 39.01	+20 53.3	1.403	2.381	3.3	20.1
2 1	7 28.83	+21 39.8	1.452	2.399	8.4	20.5
2 11	7 21.02	+22 17.6	1.527	2.417	12.8	20.8
2 21	7 16.28	+22 45.9	1.623	2.434	16.4	21.1

329004 2010 XC_{50} 1 15.6 46.°22 0.°4/15.8 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 13	8 11.27	+17 2.2	1.608	2.438	15.3	20.5
12 23	8 6.38	+17 48.7	1.542	2.447	11.4	20.3
1 2	7 58.90	+18 46.7	1.500	2.456	6.9	20.0
1 12	7 49.70	+19 51.4	1.484	2.465	1.9	19.7
1 22	7 39.99	+20 56.7	1.496	2.475	3.1	19.9
2 1	7 31.10	+21 56.9	1.537	2.485	7.9	20.2
2 11	7 24.22	+22 48.3	1.603	2.495	12.1	20.4
2 21	7 20.09	+23 29.3	1.692	2.505	15.7	20.7

394390 2007 ES_{72} 1 15.6 229.°95 2.°5/16.5 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 13	8 14.36	+13 44.3	1.646	2.463	15.7	22.0
12 23	8 8.77	+13 51.6	1.561	2.455	12.0	21.7
1 2	8 0.43	+14 11.8	1.498	2.447	7.7	21.5
1 12	7 50.15	+14 43.1	1.461	2.438	3.4	21.2
1 22	7 39.12	+15 21.9	1.452	2.429	3.8	21.2
2 1	7 28.75	+16 3.9	1.472	2.419	8.3	21.4
2 11	7 20.34	+16 45.3	1.518	2.409	12.7	21.7
2 21	7 14.76	+17 23.1	1.586	2.399	16.6	21.9

144659 2004 FP_{116} 1 15.6 312.°35 7.°1/19.4 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 13	8 6.61	− 1 6.0	2.174	2.930	14.4	20.0
12 23	8 2.45	− 1 18.8	2.080	2.916	12.1	19.8
1 2	7 56.39	− 1 11.8	2.007	2.903	9.6	19.7
1 12	7 49.02	− 0 43.1	1.959	2.890	7.6	19.5
1 22	7 41.13	+ 0 6.4	1.938	2.877	7.1	19.5
2 1	7 33.64	+ 1 13.9	1.945	2.865	8.6	19.5
2 11	7 27.42	+ 2 34.1	1.979	2.853	11.1	19.6
2 21	7 23.13	+ 4 1.0	2.036	2.841	13.7	19.8

61593 2000 QZ_{87} 1 15.6 118.°47 1.°4/16.2 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 13	8 12.85	+16 19.0	2.091	2.902	13.0	20.1
12 23	8 6.92	+16 22.8	2.021	2.915	9.7	19.9
1 2	7 58.95	+16 34.2	1.976	2.926	6.0	19.7
1 12	7 49.69	+16 51.0	1.959	2.938	2.2	19.5
1 22	7 40.10	+17 10.6	1.972	2.949	2.8	19.5
2 1	7 31.21	+17 30.7	2.015	2.960	6.5	19.8
2 11	7 23.95	+17 49.4	2.086	2.971	10.0	20.0
2 21	7 18.89	+18 5.3	2.180	2.981	13.1	20.2

209661 2005 CR_{35} 1 15.6 289.°07 3.°3/14.2 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 13	8 13.81	+25 43.5	1.550	2.390	15.3	20.6
12 23	8 8.81	+26 46.3	1.468	2.378	11.5	20.3
1 2	8 0.68	+27 54.3	1.409	2.366	7.1	20.0
1 12	7 50.27	+28 59.9	1.377	2.354	3.5	19.8
1 22	7 38.93	+29 55.2	1.372	2.342	5.3	19.9
2 1	7 28.31	+30 34.6	1.394	2.330	9.8	20.1
2 11	7 19.94	+30 56.6	1.441	2.318	14.2	20.3
2 21	7 14.83	+31 2.9	1.508	2.307	18.0	20.5

286155 2001 TM_{243} 1 15.6 225.°37 1.°2/16.1 16

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 13	8 13.26	+16 46.0	2.226	3.034	12.4	21.9
12 23	8 7.34	+16 49.5	2.131	3.024	9.4	21.7
1 2	7 59.31	+16 59.8	2.062	3.013	5.8	21.4
1 12	7 49.82	+17 15.2	2.022	3.001	2.1	21.2
1 22	7 39.80	+17 33.3	2.011	2.989	2.7	21.2
2 1	7 30.26	+17 51.6	2.032	2.976	6.6	21.4
2 11	7 22.19	+18 8.5	2.080	2.962	10.2	21.6
2 21	7 16.28	+18 22.7	2.152	2.948	13.4	21.8

139891 2001 RT_{92} 1 15.6 86.°13 1.°9/16.5 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 13	8 9.42	+14 37.7	2.329	3.137	11.9	19.8
12 23	8 4.27	+14 37.4	2.253	3.143	9.0	19.7
1 2	7 57.33	+14 45.1	2.202	3.150	5.7	19.5
1 12	7 49.26	+14 59.3	2.179	3.156	2.5	19.3
1 22	7 40.86	+15 18.0	2.187	3.162	2.8	19.3
2 1	7 33.02	+15 39.1	2.224	3.169	6.0	19.5
2 11	7 26.54	+16 0.4	2.289	3.175	9.2	19.7
2 21	7 21.97	+16 20.4	2.378	3.182	12.0	19.9

62370 2000 SM_{150} 1 15.6 179.°14 2.°0/16.5 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 13	8 14.93	+14 22.6	2.091	2.893	13.3	20.4
12 23	8 8.57	+14 26.5	2.008	2.896	10.1	20.2
1 2	8 0.01	+14 39.7	1.950	2.897	6.4	20.0
1 12	7 50.01	+15 0.3	1.921	2.898	2.8	19.7
1 22	7 39.53	+15 25.6	1.922	2.898	3.1	19.7
2 1	7 29.67	+15 53.1	1.953	2.897	6.8	20.0
2 11	7 21.43	+16 20.0	2.012	2.895	10.5	20.2
2 21	7 15.48	+16 44.8	2.095	2.892	13.7	20.4

226749 2004 RY_{27} 1 15.6 122.°18 1.°1/15.2 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 13	8 14.03	+23 33.5	2.179	2.999	12.2	21.4
12 23	8 7.79	+23 51.8	2.110	3.011	9.0	21.2
1 2	7 59.47	+24 12.1	2.067	3.023	5.4	21.0
1 12	7 49.85	+24 30.8	2.053	3.034	1.7	20.8
1 22	7 39.91	+24 44.9	2.069	3.045	2.9	20.9
2 1	7 30.71	+24 52.6	2.115	3.056	6.6	21.2
2 11	7 23.18	+24 53.3	2.189	3.066	10.0	21.4
2 21	7 17.91	+24 47.8	2.287	3.076	12.9	21.6

502575 2015 BU_{503} 1 15.6 260.°56 2.°2/16.8 17

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 13	8 8.85	+12 29.4	2.235	3.040	12.5	21.9
12 23	8 4.04	+12 50.8	2.149	3.037	9.5	21.7
1 2	7 57.31	+13 23.6	2.088	3.033	6.1	21.5
1 12	7 49.30	+14 5.8	2.054	3.029	2.9	21.3
1 22	7 40.82	+14 54.3	2.050	3.026	3.0	21.3
2 1	7 32.82	+15 45.6	2.076	3.022	6.3	21.5
2 11	7 26.17	+16 36.2	2.130	3.018	9.7	21.7
2 21	7 21.49	+17 23.3	2.209	3.015	12.7	21.9

323873 2005 SY_{167} 1 15.6 98.°50 2.°0/15.0 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 13	8 18.07	+26 53.9	1.955	2.776	13.4	20.4
12 23	8 10.87	+26 57.9	1.894	2.794	9.9	20.3
1 2	8 1.30	+27 0.3	1.858	2.812	6.0	20.1
1 12	7 50.33	+26 57.2	1.851	2.830	2.4	19.9
1 22	7 39.15	+26 46.3	1.874	2.847	3.6	20.0
2 1	7 28.99	+26 26.9	1.927	2.864	7.4	20.2
2 11	7 20.88	+26 0.2	2.006	2.881	10.9	20.5
2 21	7 15.39	+25 28.5	2.109	2.897	13.9	20.7

309224 2007 PD_{33} 1 15.6 162.°68 1.°2/16.1 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 13	8 15.40	+16 31.5	2.093	2.900	13.1	22.2
12 23	8 8.89	+16 44.2	2.015	2.907	9.8	22.0
1 2	8 0.19	+17 4.7	1.963	2.914	6.1	21.8
1 12	7 50.07	+17 30.4	1.940	2.919	2.1	21.5
1 22	7 39.52	+17 58.2	1.947	2.924	2.8	21.6
2 1	7 29.65	+18 25.4	1.984	2.928	6.7	21.8
2 11	7 21.44	+18 49.7	2.050	2.931	10.4	22.1
2 21	7 15.54	+19 10.0	2.139	2.934	13.5	22.3

463350 2012 QK_{43} 1 15.6 88.°52 1.°5/16.2 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 13	8 11.48	+16 46.1	2.310	3.120	12.0	21.0
12 23	8 5.73	+16 33.0	2.239	3.132	9.0	20.8
1 2	7 58.17	+16 25.7	2.194	3.144	5.6	20.6
1 12	7 49.50	+16 22.9	2.178	3.156	2.2	20.4
1 22	7 40.57	+16 23.2	2.192	3.168	2.6	20.5
2 1	7 32.29	+16 25.1	2.236	3.180	6.0	20.7
2 11	7 25.46	+16 27.4	2.308	3.192	9.2	21.0
2 21	7 20.61	+16 29.2	2.404	3.204	12.0	21.2

9796 Robotti 1 15.6 206.°10 8.°5/11.9 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 13	8 19.99	+41 40.4	1.848	2.662	14.3	17.7
12 23	8 13.32	+42 59.4	1.783	2.661	11.7	17.5
1 2	8 3.30	+44 7.2	1.742	2.659	9.4	17.4
1 12	7 50.98	+44 54.4	1.727	2.658	8.5	17.3
1 22	7 37.95	+45 14.1	1.738	2.656	9.5	17.3
2 1	7 25.99	+45 4.6	1.775	2.654	11.8	17.5
2 11	7 16.66	+44 29.6	1.836	2.652	14.4	17.7
2 21	7 10.83	+43 35.6	1.916	2.650	16.9	17.8

489552 2007 RH_{292} 1 15.6 187.°84 1.°7/14.9 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 13	8 16.19	+24 2.4	1.915	2.738	13.5	22.4
12 23	8 9.84	+24 35.9	1.836	2.738	10.0	22.2
1 2	8 0.94	+25 12.4	1.781	2.737	6.0	21.9
1 12	7 50.32	+25 47.0	1.755	2.735	2.2	21.7
1 22	7 39.12	+26 15.2	1.759	2.733	3.6	21.8
2 1	7 28.66	+26 33.9	1.792	2.731	7.8	22.0
2 11	7 20.10	+26 42.4	1.852	2.728	11.6	22.2
2 21	7 14.22	+26 41.6	1.935	2.724	14.9	22.4

226046 2002 GV_{75} 1 15.6 193.°18 1.°0/15.9 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 13	8 17.99	+17 30.6	1.812	2.625	14.6	22.0
12 23	8 11.22	+17 39.7	1.728	2.623	11.0	21.8
1 2	8 1.80	+17 56.9	1.668	2.620	6.8	21.5
1 12	7 50.57	+18 19.2	1.637	2.617	2.2	21.2
1 22	7 38.70	+18 43.1	1.635	2.612	3.1	21.3
2 1	7 27.54	+19 5.4	1.662	2.607	7.7	21.5
2 11	7 18.35	+19 24.2	1.717	2.600	12.0	21.8
2 21	7 11.90	+19 38.6	1.795	2.593	15.6	22.0

143124 2002 XU_{31} 1 15.6 167.°17 2.°1/14.7 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 13	8 15.64	+26 16.6	2.321	3.138	11.7	20.2
12 23	8 9.01	+26 47.7	2.245	3.143	8.7	20.0
1 2	8 0.24	+27 19.2	2.195	3.148	5.3	19.8
1 12	7 50.10	+27 46.7	2.174	3.152	2.3	19.6
1 22	7 39.55	+28 6.7	2.184	3.155	3.5	19.7
2 1	7 29.67	+28 17.1	2.225	3.158	6.8	19.9
2 11	7 21.41	+28 17.8	2.293	3.160	10.1	20.1
2 21	7 15.42	+28 10.1	2.385	3.161	12.8	20.3

242481 2004 TW_{220} 1 15.6 170.°71 3.°0/14.3 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 13	8 12.59	+32 22.9	2.897	3.711	9.7	19.9
12 23	8 6.43	+32 34.2	2.819	3.712	7.3	19.7
1 2	7 58.55	+32 41.3	2.767	3.712	4.8	19.6
1 12	7 49.62	+32 41.0	2.745	3.713	3.1	19.5
1 22	7 40.44	+32 31.2	2.753	3.714	3.8	19.5
2 1	7 31.84	+32 11.5	2.792	3.714	6.2	19.7
2 11	7 24.59	+31 42.6	2.859	3.715	8.7	19.8
2 21	7 19.22	+31 6.7	2.951	3.715	10.9	20.0

439248 2012 TA_{258} 1 15.6 148.°03 2.°5/14.7 17

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 13	8 19.82	+25 8.0	1.731	2.555	14.7	22.6
12 23	8 12.67	+25 57.6	1.665	2.566	10.9	22.3
1 2	8 2.67	+26 49.7	1.623	2.577	6.6	22.1
1 12	7 50.80	+27 37.6	1.609	2.587	2.8	21.9
1 22	7 38.40	+28 15.4	1.625	2.596	4.4	22.0
2 1	7 26.97	+28 39.7	1.670	2.605	8.5	22.3
2 11	7 17.81	+28 50.4	1.741	2.612	12.5	22.5
2 21	7 11.68	+28 49.4	1.834	2.618	15.8	22.8

494073 2016 BZ_{70} 1 15.6 182.°32 1.°1/16.2 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 13	8 11.87	+15 5.6	2.124	2.933	12.9	21.1
12 23	8 6.38	+15 45.6	2.041	2.934	9.7	20.9
1 2	7 58.78	+16 36.3	1.983	2.934	6.0	20.7
1 12	7 49.74	+17 34.4	1.954	2.934	2.1	20.4
1 22	7 40.19	+18 35.6	1.955	2.933	2.7	20.5
2 1	7 31.17	+19 35.4	1.987	2.932	6.6	20.7
2 11	7 23.65	+20 30.2	2.047	2.931	10.3	20.9
2 21	7 18.32	+21 18.1	2.130	2.929	13.4	21.2

320633 2008 CR_{77} 1 15.6 294.°95 2.°7/14.7 17

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 13	8 14.11	+26 2.6	1.664	2.500	14.6	21.2
12 23	8 8.98	+26 36.9	1.567	2.475	11.0	20.9
1 2	8 0.81	+27 14.1	1.494	2.450	6.8	20.6
1 12	7 50.39	+27 48.5	1.447	2.425	3.0	20.3
1 22	7 38.96	+28 14.2	1.428	2.400	4.7	20.4
2 1	7 28.10	+28 27.2	1.436	2.375	9.3	20.6
2 11	7 19.31	+28 26.6	1.469	2.350	13.7	20.8
2 21	7 13.62	+28 14.1	1.523	2.325	17.7	21.0

98698 2000 XQ_{28} 1 15.6 88.°13 6.°1/13.5 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 13	8 21.63	+34 21.6	1.639	2.465	15.3	19.5
12 23	8 14.14	+35 30.0	1.595	2.491	11.7	19.3
1 2	8 3.52	+36 30.9	1.575	2.517	8.2	19.2
1 12	7 51.01	+37 15.3	1.582	2.542	6.1	19.1
1 22	7 38.20	+37 37.4	1.617	2.566	7.3	19.2
2 1	7 26.79	+37 36.3	1.679	2.590	10.3	19.4
2 11	7 18.08	+37 15.1	1.765	2.614	13.5	19.7
2 21	7 12.75	+36 39.6	1.873	2.637	16.2	19.9

351719 2006 BG_{260} 1 15.6 297.°52 1.°3/16.1 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 13	8 12.13	+16 0.0	1.439	2.273	16.7	21.2
12 23	8 7.57	+16 23.2	1.355	2.260	12.6	20.9
1 2	7 59.97	+17 0.3	1.292	2.247	7.9	20.6
1 12	7 50.17	+17 47.9	1.255	2.235	2.7	20.2
1 22	7 39.45	+18 40.7	1.244	2.222	3.6	20.2
2 1	7 29.40	+19 33.1	1.260	2.210	8.9	20.5
2 11	7 21.53	+20 20.4	1.301	2.198	13.9	20.8
2 21	7 16.81	+21 0.0	1.362	2.187	18.2	21.0

499499 2010 NS_2 1 15.6 85.°42 2.°1/16.3 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 13	8 12.47	+16 3.2	2.345	3.150	12.0	20.7
12 23	8 6.49	+15 28.9	2.265	3.155	9.0	20.5
1 2	7 58.66	+14 59.8	2.212	3.159	5.7	20.3
1 12	7 49.70	+14 35.4	2.187	3.163	2.6	20.1
1 22	7 40.43	+14 15.4	2.193	3.167	3.0	20.1
2 1	7 31.78	+13 59.1	2.229	3.172	6.2	20.3
2 11	7 24.57	+13 45.8	2.293	3.176	9.4	20.5
2 21	7 19.34	+13 34.8	2.382	3.180	12.2	20.7

324535 2006 VZ_{173} 1 15.6 19.°40 2.°2/14.6 17

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 13	8 11.00	+21 53.9	1.424	2.270	16.1	20.1
12 23	8 6.66	+23 7.6	1.361	2.275	11.9	19.9
1 2	7 59.32	+24 30.4	1.320	2.280	7.1	19.6
1 12	7 49.96	+25 54.4	1.305	2.286	2.6	19.4
1 22	7 39.92	+27 11.0	1.318	2.292	4.5	19.5
2 1	7 30.80	+28 13.7	1.357	2.300	9.3	19.8
2 11	7 23.98	+28 59.3	1.421	2.308	13.7	20.1
2 21	7 20.30	+29 28.4	1.505	2.316	17.4	20.3

354538 2004 RS_{229} 1 15.6 117.°58 0.°4/15.8 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 13	8 17.30	+18 43.2	1.791	2.608	14.6	21.7
12 23	8 10.48	+18 59.8	1.729	2.627	10.8	21.5
1 2	8 1.20	+19 23.3	1.692	2.645	6.5	21.2
1 12	7 50.40	+19 50.0	1.682	2.663	1.9	21.0
1 22	7 39.26	+20 16.1	1.702	2.680	2.9	21.1
2 1	7 29.07	+20 38.7	1.752	2.696	7.4	21.4
2 11	7 20.91	+20 56.1	1.828	2.712	11.3	21.7
2 21	7 15.43	+21 8.0	1.928	2.727	14.6	21.9

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
296274	2009 DV_{47}		1 15.6	283.°75	4.°2/13.4	18
	h m	° ′			°	m
12 13	8 12.14	+32 33.4	2.335	3.158	11.4	20.8
12 23	8 6.66	+33 25.7	2.258	3.155	8.7	20.7
1 2	7 58.98	+34 14.9	2.207	3.152	5.9	20.5
1 12	7 49.84	+34 55.7	2.185	3.149	4.3	20.4
1 22	7 40.19	+35 23.6	2.192	3.145	5.3	20.4
2 1	7 31.16	+35 36.4	2.227	3.142	7.9	20.6
2 11	7 23.73	+35 34.3	2.289	3.139	10.7	20.8
2 21	7 18.61	+35 19.7	2.373	3.136	13.2	20.9
450560	2006 FK_5		1 15.6	337.°84	23.°3/29.9	18
12 13	8 24.86	+62 54.8	1.063	1.853	24.2	19.6
12 23	8 23.25	+65 39.3	1.016	1.828	23.5	19.5
1 2	8 12.67	+67 49.1	0.984	1.805	23.4	19.4
1 12	7 54.17	+69 1.6	0.965	1.784	23.9	19.3
1 22	7 32.54	+69 0.6	0.960	1.765	25.1	19.3
2 1	7 14.75	+67 44.2	0.967	1.748	26.7	19.3
2 11	7 5.54	+65 25.6	0.985	1.734	28.5	19.4
2 21	7 5.40	+62 22.6	1.014	1.721	30.3	19.5
211865	2004 GF_{37}		1 15.6	249.°24	1.°1/15.1	17
12 13	8 10.68	+24 12.6	2.589	3.408	10.6	21.0
12 23	8 5.27	+24 29.6	2.499	3.399	7.8	20.8
1 2	7 58.03	+24 48.0	2.434	3.389	4.7	20.6
1 12	7 49.57	+25 5.0	2.399	3.379	1.6	20.3
1 22	7 40.69	+25 18.1	2.394	3.369	2.7	20.4
2 1	7 32.28	+25 25.4	2.420	3.359	6.0	20.6
2 11	7 25.16	+25 26.2	2.473	3.348	9.1	20.8
2 21	7 19.93	+25 21.0	2.551	3.338	11.8	21.0
460934	2014 WM_{234}		1 15.6	261.°06	1.°7/14.9	18
12 13	8 12.70	+24 8.2	1.942	2.771	13.2	21.4
12 23	8 7.24	+24 39.2	1.865	2.770	9.7	21.2
1 2	7 59.40	+25 13.1	1.812	2.769	5.9	21.0
1 12	7 49.96	+25 45.4	1.788	2.768	2.1	20.7
1 22	7 40.01	+26 12.0	1.792	2.767	3.5	20.8
2 1	7 30.76	+26 29.8	1.825	2.766	7.5	21.1
2 11	7 23.30	+26 38.1	1.885	2.765	11.2	21.3
2 21	7 18.34	+26 37.7	1.968	2.764	14.4	21.5
493031	2014 SJ_{229}		1 15.6	209.°47	4.°8/17.7	18
12 13	8 12.74	+ 6 16.6	2.209	2.985	13.5	22.0
12 23	8 6.94	+ 6 3.3	2.116	2.979	10.8	21.8
1 2	7 59.11	+ 6 4.1	2.047	2.971	7.8	21.6
1 12	7 49.88	+ 6 19.4	2.006	2.963	5.3	21.4
1 22	7 40.13	+ 6 47.9	1.994	2.954	5.1	21.4
2 1	7 30.83	+ 7 27.1	2.011	2.944	7.5	21.5
2 11	7 22.92	+ 8 13.4	2.057	2.934	10.6	21.7
2 21	7 17.09	+ 9 2.8	2.126	2.923	13.5	21.8
109075	2001 QO_{24}		1 15.6	135.°42	5.°4/13.6	18
12 13	8 20.06	+36 27.2	2.152	2.964	12.7	20.5
12 23	8 12.52	+37 7.1	2.089	2.975	9.8	20.3
1 2	8 2.43	+37 39.1	2.052	2.987	7.0	20.2
1 12	7 50.75	+37 56.9	2.042	2.997	5.4	20.1
1 22	7 38.74	+37 56.7	2.062	3.008	6.3	20.1
2 1	7 27.74	+37 37.8	2.111	3.017	8.8	20.3
2 11	7 18.87	+37 2.9	2.186	3.027	11.5	20.5
2 21	7 12.78	+36 16.4	2.284	3.035	14.0	20.7
193876	2001 QW_{166}		1 15.6	88.°86	4.°8/14.1	17
12 13	8 20.53	+30 18.6	1.453	2.288	16.4	20.7
12 23	8 13.58	+31 13.6	1.403	2.308	12.3	20.5
1 2	8 3.33	+32 5.2	1.375	2.327	8.0	20.3
1 12	7 51.02	+32 44.8	1.374	2.346	4.9	20.2
1 22	7 38.34	+33 6.1	1.401	2.364	6.3	20.3
2 1	7 27.05	+33 7.2	1.454	2.382	10.2	20.6
2 11	7 18.58	+32 50.5	1.532	2.400	14.0	20.8
2 21	7 13.62	+32 20.9	1.630	2.418	17.3	21.1
463311	2012 JO_{26}		1 15.6	262.°58	0.°4/15.8	17
12 13	8 11.21	+16 45.7	2.055	2.871	13.0	21.1
12 23	8 6.15	+17 34.7	1.960	2.857	9.8	20.9
1 2	7 58.82	+18 34.8	1.889	2.843	5.9	20.6
1 12	7 49.85	+19 42.2	1.847	2.828	1.7	20.3
1 22	7 40.17	+20 51.8	1.835	2.814	2.7	20.4
2 1	7 30.91	+21 58.5	1.854	2.799	7.0	20.6
2 11	7 23.14	+22 58.4	1.899	2.783	10.9	20.8
2 21	7 17.66	+23 49.3	1.969	2.768	14.3	21.0
206990	2004 TV_{163}		1 15.6	26.°47	5.°4/13.9	18
12 13	8 13.55	+28 57.6	1.060	1.924	19.0	18.9
12 23	8 9.28	+30 4.2	1.016	1.936	14.2	18.7
1 2	8 1.12	+31 10.0	0.992	1.950	9.2	18.4
1 12	7 50.47	+32 3.9	0.990	1.964	5.6	18.3
1 22	7 39.29	+32 37.4	1.013	1.980	7.3	18.4
2 1	7 29.70	+32 46.9	1.059	1.997	11.9	18.7
2 11	7 23.35	+32 34.8	1.127	2.016	16.3	19.1
2 21	7 20.97	+32 6.4	1.212	2.035	20.1	19.4

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
375506	2008 UC_{99}		1 15.6	46.°09	8.°2/19.9	18
	h m	° ′			°	m
12 13	8 8.38	− 2 37.4	1.959	2.711	15.9	20.3
12 23	8 3.76	− 3 10.2	1.892	2.722	13.4	20.1
1 2	7 57.18	− 3 21.1	1.847	2.734	10.8	20.0
1 12	7 49.35	− 3 7.9	1.825	2.746	8.8	19.9
1 22	7 41.16	− 2 31.4	1.829	2.758	8.3	19.9
2 1	7 33.61	− 1 34.8	1.860	2.771	9.5	20.0
2 11	7 27.57	− 0 23.9	1.916	2.784	11.7	20.1
2 21	7 23.64	+ 0 54.8	1.996	2.797	14.1	20.3
197438	2003 YL_{85}		1 15.6	94.°44	1.°4/14.9	18
12 13	8 11.44	+22 16.4	2.229	3.051	11.9	20.0
12 23	8 5.98	+23 13.6	2.162	3.064	8.8	19.8
1 2	7 58.50	+24 15.3	2.121	3.077	5.2	19.6
1 12	7 49.71	+25 16.6	2.110	3.090	1.8	19.4
1 22	7 40.53	+26 12.9	2.129	3.103	3.1	19.5
2 1	7 31.97	+27 0.6	2.177	3.115	6.6	19.8
2 11	7 24.93	+27 37.7	2.254	3.128	9.9	20.0
2 21	7 20.04	+28 4.4	2.354	3.140	12.7	20.2
58283	1993 UO_7		1 15.6	141.°49	2.°3/14.6	18
12 13	8 16.58	+24 10.8	1.789	2.615	14.2	20.4
12 23	8 10.26	+25 7.7	1.721	2.625	10.5	20.1
1 2	8 1.27	+26 8.6	1.678	2.634	6.3	19.9
1 12	7 50.49	+27 7.1	1.663	2.642	2.6	19.7
1 22	7 39.17	+27 56.9	1.677	2.650	4.1	19.8
2 1	7 28.69	+28 34.0	1.721	2.657	8.2	20.1
2 11	7 20.28	+28 57.5	1.791	2.664	12.1	20.3
2 21	7 14.69	+29 8.5	1.883	2.670	15.3	20.6
265317	2004 NV_6		1 15.7	119.°50	1.°0/16.2	18
12 13	8 11.98	+15 27.3	2.325	3.131	12.0	20.6
12 23	8 6.18	+16 0.5	2.257	3.147	9.0	20.5
1 2	7 58.53	+16 42.2	2.214	3.163	5.5	20.3
1 12	7 49.71	+17 29.4	2.200	3.179	1.9	20.1
1 22	7 40.57	+18 18.5	2.217	3.194	2.4	20.1
2 1	7 32.03	+19 6.0	2.264	3.209	6.0	20.4
2 11	7 24.92	+19 49.4	2.341	3.223	9.2	20.6
2 21	7 19.80	+20 27.1	2.442	3.237	12.0	20.8
519281	2011 BL_{166}		1 15.7	268.°42	1.°5/16.3	17
12 13	8 10.76	+15 30.0	2.070	2.884	13.0	22.1
12 23	8 5.73	+15 44.8	1.976	2.871	9.9	21.9
1 2	7 58.51	+16 9.0	1.906	2.857	6.2	21.7
1 12	7 49.76	+16 40.7	1.864	2.843	2.4	21.4
1 22	7 40.40	+17 16.7	1.851	2.829	2.9	21.4
2 1	7 31.51	+17 53.7	1.868	2.815	6.8	21.6
2 11	7 24.10	+18 28.8	1.912	2.800	10.7	21.8
2 21	7 18.91	+19 0.0	1.980	2.786	14.0	22.0
158684	2003 FD_{47}		1 15.7	122.°70	3.°5/14.4	18
12 13	8 19.67	+28 35.4	1.784	2.609	14.3	20.2
12 23	8 12.47	+29 20.1	1.725	2.625	10.7	20.1
1 2	8 2.51	+30 3.4	1.690	2.642	6.7	19.9
1 12	7 50.81	+30 38.5	1.683	2.657	3.7	19.7
1 22	7 38.73	+31 0.4	1.705	2.672	5.0	19.8
2 1	7 27.72	+31 7.0	1.757	2.686	8.6	20.1
2 11	7 18.98	+30 59.5	1.834	2.700	12.2	20.3
2 21	7 13.23	+30 40.9	1.933	2.712	15.3	20.5
706	Hirundo		1 15.7	93.°92	4.°1/14.5	18 A
12 13	8 20.05	+32 51.8	1.989	2.807	13.3	15.5
12 23	8 12.42	+33 7.8	1.932	2.826	10.0	15.3
1 2	8 2.29	+33 17.3	1.899	2.845	6.6	15.2
1 12	7 50.72	+33 15.4	1.896	2.864	4.2	15.1
1 22	7 38.97	+32 59.2	1.921	2.883	5.1	15.1
2 1	7 28.35	+32 28.7	1.976	2.901	8.2	15.4
2 11	7 19.94	+31 46.7	2.058	2.919	11.3	15.6
2 21	7 14.31	+30 57.1	2.163	2.936	14.0	15.8
266351	2007 DU_{105}		1 15.7	262.°87	1.°9/14.9	18
12 13	8 13.17	+25 2.1	2.044	2.871	12.7	21.0
12 23	8 7.63	+25 32.1	1.955	2.858	9.4	20.8
1 2	7 59.70	+26 4.4	1.890	2.845	5.7	20.5
1 12	7 50.10	+26 34.6	1.853	2.833	2.3	20.3
1 22	7 39.87	+26 58.5	1.846	2.820	3.6	20.3
2 1	7 30.21	+27 13.2	1.868	2.806	7.5	20.5
2 11	7 22.24	+27 17.9	1.917	2.793	11.3	20.7
2 21	7 16.73	+27 13.7	1.988	2.779	14.5	20.9
6591	Sabinin		1 15.7	99.°17	0.°3/15.8	18
12 13	8 13.72	+19 56.0	1.995	2.814	13.2	17.9
12 23	8 7.72	+20 0.2	1.927	2.826	9.8	17.7
1 2	7 59.54	+20 9.2	1.884	2.838	5.9	17.5
1 12	7 50.00	+20 20.3	1.869	2.850	1.6	17.2
1 22	7 40.14	+20 30.8	1.884	2.862	2.7	17.3
2 1	7 31.06	+20 38.8	1.928	2.873	6.8	17.6
2 11	7 23.73	+20 43.1	2.000	2.885	10.4	17.9
2 21	7 18.75	+20 43.6	2.095	2.896	13.5	18.1

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
360307	2001 SD_3		1 15.7	143.°77	5.°5/13.1	18
	h m	° ′			°	m
12 13	8 18.80	+36 47.6	2.297	3.108	12.0	21.2
12 23	8 11.59	+37 45.7	2.235	3.119	9.4	21.0
1 2	8 1.92	+38 36.6	2.198	3.130	6.9	20.9
1 12	7 50.67	+39 14.0	2.190	3.140	5.5	20.8
1 22	7 39.01	+39 33.2	2.211	3.150	6.4	20.9
2 1	7 28.20	+39 33.1	2.261	3.159	8.7	21.1
2 11	7 19.35	+39 15.4	2.338	3.167	11.3	21.2
2 21	7 13.15	+38 44.1	2.436	3.175	13.6	21.4
503923	2002 WL_{32}		1 15.7	157.°54	3.°2/13.2	18
12 13	8 8.62	+34 5.7	3.649	4.460	7.9	21.5
12 23	8 3.38	+34 47.5	3.575	4.464	6.1	21.4
1 2	7 56.75	+35 26.0	3.530	4.468	4.2	21.3
1 12	7 49.24	+35 57.8	3.514	4.472	3.2	21.2
1 22	7 41.45	+36 20.8	3.529	4.475	3.9	21.3
2 1	7 34.04	+36 33.5	3.574	4.479	5.6	21.4
2 11	7 27.64	+36 36.1	3.647	4.482	7.5	21.5
2 21	7 22.70	+36 29.5	3.744	4.485	9.2	21.6
8172	1991 RP_{15}		1 15.7	38.°28	0.°7/15.4	18
12 13	8 10.97	+21 52.4	1.873	2.704	13.5	17.4
12 23	8 5.89	+22 14.7	1.809	2.714	9.9	17.2
1 2	7 58.53	+22 41.4	1.768	2.726	5.9	17.0
1 12	7 49.75	+23 8.7	1.756	2.737	1.7	16.7
1 22	7 40.60	+23 32.7	1.772	2.749	3.0	16.8
2 1	7 32.24	+23 50.9	1.816	2.761	7.1	17.1
2 11	7 25.68	+24 2.0	1.887	2.774	10.9	17.4
2 21	7 21.54	+24 6.2	1.981	2.786	14.0	17.6
255945	2006 TZ_{16}		1 15.7	198.°34	1.°7/16.4	18
12 13	8 13.01	+15 20.3	1.946	2.759	13.8	21.0
12 23	8 7.39	+15 26.5	1.864	2.757	10.4	20.8
1 2	7 59.48	+15 42.0	1.806	2.755	6.5	20.6
1 12	7 50.03	+16 4.9	1.775	2.753	2.6	20.3
1 22	7 40.06	+16 32.3	1.773	2.750	3.1	20.4
2 1	7 30.71	+17 1.0	1.801	2.747	7.1	20.6
2 11	7 23.03	+17 28.5	1.856	2.744	11.0	20.8
2 21	7 17.74	+17 52.9	1.935	2.740	14.3	21.0
195909	2002 RF_{70}		1 15.7	119.°26	3.°4/17.2	18
12 13	8 10.24	+10 2.7	2.355	3.147	12.3	20.2
12 23	8 4.87	+ 9 49.6	2.280	3.156	9.6	20.0
1 2	7 57.75	+ 9 47.1	2.229	3.165	6.5	19.8
1 12	7 49.52	+ 9 54.8	2.207	3.173	3.9	19.7
1 22	7 40.98	+10 11.1	2.214	3.181	3.8	19.7
2 1	7 32.99	+10 34.2	2.250	3.190	6.4	19.9
2 11	7 26.34	+11 1.2	2.315	3.197	9.3	20.1
2 21	7 21.56	+11 29.8	2.404	3.205	12.0	20.3
330466	2007 EV_{171}		1 15.7	337.°80	8.°5/19.3	18
12 13	8 7.82	− 0 6.2	1.624	2.403	17.5	20.5
12 23	8 3.91	− 0 39.2	1.542	2.395	14.7	20.3
1 2	7 57.58	− 0 48.5	1.481	2.387	11.7	20.1
1 12	7 49.55	− 0 31.1	1.442	2.380	9.2	19.9
1 22	7 40.88	+ 0 12.8	1.429	2.373	8.6	19.8
2 1	7 32.78	+ 1 19.6	1.441	2.367	10.4	19.9
2 11	7 26.43	+ 2 42.3	1.477	2.361	13.5	20.1
2 21	7 22.61	+ 4 13.0	1.535	2.357	16.6	20.3
465986	2011 CW_{110}		1 15.7	248.°32	2.°0/16.5	18
12 13	8 11.08	+14 55.4	2.077	2.889	13.1	21.9
12 23	8 5.85	+14 54.1	1.992	2.884	9.9	21.6
1 2	7 58.51	+15 1.6	1.931	2.879	6.3	21.4
1 12	7 49.77	+15 16.3	1.898	2.875	2.7	21.2
1 22	7 40.54	+15 36.1	1.894	2.870	3.1	21.2
2 1	7 31.87	+15 58.3	1.919	2.865	6.7	21.4
2 11	7 24.72	+16 20.8	1.972	2.860	10.4	21.6
2 21	7 19.76	+16 41.6	2.048	2.855	13.6	21.8
194576	2001 XP_{97}		1 15.7	50.°15	1.°9/15.1	17
12 13	8 16.06	+22 55.6	1.196	2.045	18.3	19.8
12 23	8 10.54	+23 36.4	1.150	2.065	13.5	19.6
1 2	8 1.63	+24 22.9	1.125	2.085	8.0	19.3
1 12	7 50.62	+25 7.6	1.125	2.106	2.6	19.1
1 22	7 39.23	+25 43.6	1.151	2.127	4.5	19.2
2 1	7 29.29	+26 6.8	1.202	2.149	9.8	19.6
2 11	7 22.22	+26 16.9	1.277	2.171	14.4	19.9
2 21	7 18.73	+26 15.6	1.372	2.193	18.3	20.2
239279	2007 OC_1		1 15.7	120.°90	0.°4/15.5	18
12 13	8 17.59	+21 0.4	1.878	2.695	14.0	21.2
12 23	8 10.66	+21 19.6	1.815	2.714	10.3	21.0
1 2	8 1.33	+21 43.3	1.777	2.732	6.1	20.8
1 12	7 50.51	+22 7.5	1.768	2.749	1.7	20.5
1 22	7 39.36	+22 28.7	1.788	2.766	3.0	20.7
2 1	7 29.14	+22 44.2	1.839	2.782	7.2	21.0
2 11	7 20.91	+22 53.2	1.916	2.797	11.0	21.2
2 21	7 15.30	+22 56.1	2.017	2.811	14.2	21.5

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
243725	2000 JK_{16}		1 15.7	192.°14	3.°0/16.9	18
	h m	° ′			°	m
12 13	8 14.76	+11 36.3	1.935	2.734	14.3	21.3
12 23	8 8.70	+11 39.7	1.850	2.733	11.1	21.1
1 2	8 0.28	+11 55.5	1.789	2.731	7.3	20.9
1 12	7 50.28	+12 22.6	1.755	2.728	3.8	20.7
1 22	7 39.70	+12 58.1	1.751	2.724	3.8	20.6
2 1	7 29.72	+13 38.7	1.777	2.720	7.4	20.9
2 11	7 21.43	+14 20.6	1.830	2.715	11.2	21.1
2 21	7 15.55	+15 1.0	1.906	2.709	14.6	21.3
373962	2003 WM_{159}		1 15.7	81.°35	4.°8/13.1	18
12 13	8 14.93	+32 24.5	2.141	2.964	12.3	20.5
12 23	8 8.77	+33 43.1	2.089	2.985	9.3	20.4
1 2	8 0.25	+34 58.0	2.064	3.007	6.4	20.3
1 12	7 50.24	+36 2.1	2.067	3.028	4.8	20.2
1 22	7 39.83	+36 50.2	2.099	3.049	5.9	20.3
2 1	7 30.24	+37 19.7	2.160	3.069	8.5	20.5
2 11	7 22.52	+37 31.4	2.247	3.090	11.2	20.7
2 21	7 17.32	+37 28.2	2.357	3.110	13.6	20.9
421589	2014 OY_{203}		1 15.7	164.°62	1.°2/15.2	18
12 13	8 15.87	+22 31.1	2.023	2.842	13.1	22.8
12 23	8 9.47	+23 5.7	1.947	2.847	9.7	22.6
1 2	8 0.70	+23 44.4	1.897	2.852	5.8	22.3
1 12	7 50.38	+24 22.6	1.876	2.856	1.8	22.1
1 22	7 39.57	+24 56.1	1.884	2.860	3.2	22.2
2 1	7 29.47	+25 21.6	1.923	2.863	7.2	22.4
2 11	7 21.15	+25 38.2	1.989	2.865	10.9	22.7
2 21	7 15.33	+25 46.2	2.078	2.867	14.0	22.9
351659	2005 YF_{193}		1 15.7	218.°77	0.°3/15.8	18
12 13	8 14.28	+17 35.3	1.672	2.496	15.2	21.0
12 23	8 8.80	+18 16.4	1.590	2.491	11.4	20.8
1 2	8 0.57	+19 8.9	1.532	2.487	6.9	20.5
1 12	7 50.40	+20 8.1	1.500	2.481	1.9	20.2
1 22	7 39.48	+21 8.3	1.498	2.476	3.2	20.3
2 1	7 29.23	+22 4.0	1.524	2.470	8.1	20.5
2 11	7 20.95	+22 51.4	1.576	2.464	12.5	20.8
2 21	7 15.52	+23 29.1	1.650	2.457	16.3	21.0
220606	2004 PH_6		1 15.7	78.°43	2.°6/16.8	18
12 13	8 12.12	+12 42.0	1.902	2.710	14.2	20.5
12 23	8 6.56	+12 45.5	1.839	2.728	10.8	20.3
1 2	7 58.87	+13 0.5	1.801	2.746	7.0	20.1
1 12	7 49.86	+13 25.2	1.789	2.764	3.4	19.9
1 22	7 40.55	+13 56.6	1.807	2.782	3.5	19.9
2 1	7 32.02	+14 31.5	1.854	2.799	7.0	20.2
2 11	7 25.20	+15 6.7	1.928	2.817	10.5	20.4
2 21	7 20.68	+15 39.7	2.025	2.834	13.6	20.7
425987	2011 HD_{82}		1 15.7	207.°43	1.°2/14.9	17
12 13	8 11.02	+23 48.0	2.832	3.646	9.9	21.8
12 23	8 5.42	+24 19.9	2.742	3.640	7.3	21.6
1 2	7 58.11	+24 54.1	2.680	3.633	4.4	21.4
1 12	7 49.67	+25 27.2	2.647	3.627	1.5	21.2
1 22	7 40.82	+25 56.5	2.645	3.619	2.6	21.3
2 1	7 32.38	+26 19.7	2.675	3.612	5.6	21.5
2 11	7 25.11	+26 35.7	2.734	3.603	8.5	21.7
2 21	7 19.59	+26 44.7	2.817	3.595	11.0	21.8
374604	2006 DP_{131}		1 15.7	246.°29	0.°1/15.7	18
12 13	8 10.67	+18 30.4	2.066	2.887	12.8	20.4
12 23	8 5.62	+19 5.0	1.986	2.886	9.5	20.2
1 2	7 58.42	+19 47.3	1.930	2.885	5.7	20.0
1 12	7 49.78	+20 34.0	1.902	2.884	1.6	19.7
1 22	7 40.63	+21 20.7	1.904	2.882	2.7	19.8
2 1	7 32.05	+22 3.8	1.936	2.881	6.7	20.0
2 11	7 25.01	+22 40.6	1.995	2.880	10.4	20.3
2 21	7 20.21	+23 10.0	2.077	2.879	13.6	20.5
244014	2001 SB_{117}		1 15.7	27.°31	4.°8/17.5	18
12 13	8 8.95	+ 8 44.9	1.779	2.585	15.1	19.6
12 23	8 4.36	+ 8 17.2	1.715	2.597	11.9	19.4
1 2	7 57.62	+ 8 4.2	1.674	2.609	8.3	19.2
1 12	7 49.54	+ 8 5.9	1.659	2.623	5.4	19.0
1 22	7 41.12	+ 8 21.1	1.671	2.636	5.2	19.0
2 1	7 33.45	+ 8 47.1	1.710	2.651	7.9	19.2
2 11	7 27.49	+ 9 19.9	1.775	2.666	11.2	19.5
2 21	7 23.82	+ 9 55.6	1.863	2.682	14.2	19.7
64616	2001 XO_{28}		1 15.7	16.°97	5.°1/17.2	18
12 13	8 12.69	+10 22.5	1.348	2.171	18.2	18.7
12 23	8 7.85	+ 9 51.7	1.279	2.172	14.2	18.4
1 2	8 0.05	+ 9 37.3	1.231	2.174	9.8	18.2
1 12	7 50.26	+ 9 40.1	1.207	2.177	5.8	18.0
1 22	7 39.85	+ 9 58.4	1.209	2.179	5.7	18.0
2 1	7 30.37	+10 28.7	1.237	2.183	9.6	18.2
2 11	7 23.18	+11 6.0	1.288	2.186	14.0	18.4
2 21	7 19.10	+11 45.5	1.360	2.191	17.9	18.7

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
413979	2007 DX_{98}		1 15.7	16.°73	2.°5/16.8	18
	h m	° ′			°	m
12 13	8 10.11	+12 53.3	1.650	2.471	15.5	20.5
12 23	8 5.56	+13 12.2	1.577	2.473	11.8	20.3
1 2	7 58.52	+13 45.6	1.526	2.475	7.6	20.0
1 12	7 49.83	+14 30.8	1.502	2.478	3.4	19.8
1 22	7 40.60	+15 23.8	1.505	2.482	3.6	19.8
2 1	7 32.08	+16 19.5	1.536	2.485	7.7	20.1
2 11	7 25.42	+17 13.2	1.593	2.489	11.9	20.3
2 21	7 21.37	+18 1.8	1.672	2.494	15.5	20.6
235561	2004 FU_{158}		1 15.7	305.°36	0.°5/15.9	18
12 13	8 9.61	+18 29.4	2.146	2.966	12.4	21.0
12 23	8 4.80	+18 42.9	2.057	2.957	9.2	20.7
1 2	7 57.93	+19 3.1	1.993	2.947	5.6	20.5
1 12	7 49.66	+19 27.4	1.956	2.937	1.7	20.2
1 22	7 40.87	+19 53.0	1.950	2.928	2.6	20.3
2 1	7 32.59	+20 17.0	1.972	2.919	6.5	20.5
2 11	7 25.77	+20 37.4	2.022	2.910	10.2	20.7
2 21	7 21.07	+20 53.3	2.095	2.901	13.4	20.9
341371	2007 TD_{101}		1 15.7	155.°14	4.°0/17.7	18
12 13	8 8.72	+ 7 26.8	2.416	3.200	12.3	21.0
12 23	8 3.79	+ 7 21.1	2.334	3.202	9.7	20.8
1 2	7 57.16	+ 7 27.9	2.276	3.204	6.9	20.6
1 12	7 49.42	+ 7 46.9	2.245	3.206	4.5	20.5
1 22	7 41.32	+ 8 16.6	2.244	3.208	4.3	20.5
2 1	7 33.68	+ 8 54.6	2.273	3.209	6.5	20.6
2 11	7 27.28	+ 9 37.4	2.329	3.211	9.3	20.8
2 21	7 22.68	+10 22.0	2.410	3.212	11.9	21.0
256320	2006 XK_5		1 15.7	28.°29	8.°0/19.4	18
12 13	8 9.26	+ 0 49.4	1.529	2.315	18.2	19.8
12 23	8 4.96	+ 0 29.7	1.462	2.321	15.0	19.6
1 2	7 58.17	+ 0 35.2	1.415	2.328	11.6	19.4
1 12	7 49.74	+ 1 7.6	1.391	2.335	8.8	19.3
1 22	7 40.79	+ 2 4.9	1.392	2.343	8.1	19.2
2 1	7 32.61	+ 3 22.0	1.419	2.351	10.0	19.4
2 11	7 26.34	+ 4 50.9	1.471	2.360	13.2	19.6
2 21	7 22.71	+ 6 23.5	1.545	2.369	16.4	19.8
238451	2004 PA_{103}		1 15.7	132.°66	0.°5/15.5	18
12 13	8 18.49	+21 32.9	1.930	2.746	13.8	20.9
12 23	8 11.31	+21 48.2	1.865	2.762	10.2	20.7
1 2	8 1.74	+22 7.2	1.824	2.778	6.0	20.5
1 12	7 50.67	+22 26.1	1.812	2.793	1.7	20.2
1 22	7 39.27	+22 41.6	1.830	2.807	2.9	20.4
2 1	7 28.77	+22 51.3	1.879	2.821	7.2	20.6
2 11	7 20.24	+22 54.8	1.955	2.833	10.9	20.9
2 21	7 14.32	+22 52.7	2.054	2.845	14.1	21.1
81712	2000 JE_{25}		1 15.7	140.°06	5.°1/17.5	18
12 13	8 13.61	+ 7 10.3	2.095	2.876	14.0	19.3
12 23	8 7.54	+ 6 30.0	2.020	2.885	11.1	19.1
1 2	7 59.44	+ 6 2.3	1.969	2.893	8.1	18.9
1 12	7 50.05	+ 5 48.4	1.945	2.901	5.6	18.8
1 22	7 40.30	+ 5 48.0	1.950	2.908	5.4	18.8
2 1	7 31.20	+ 5 59.5	1.985	2.915	7.7	19.0
2 11	7 23.65	+ 6 20.0	2.046	2.922	10.7	19.2
2 21	7 18.27	+ 6 46.2	2.131	2.928	13.5	19.4
4965	Takeda		1 15.7	147.°61	0.°3/15.8	18
12 13	8 11.48	+19 19.6	2.239	3.056	12.1	18.8
12 23	8 6.00	+19 32.9	2.161	3.059	9.0	18.6
1 2	7 58.55	+19 51.4	2.108	3.062	5.4	18.4
1 12	7 49.82	+20 12.6	2.084	3.065	1.5	18.1
1 22	7 40.70	+20 33.8	2.090	3.068	2.5	18.2
2 1	7 32.16	+20 52.4	2.126	3.070	6.3	18.5
2 11	7 25.11	+21 7.2	2.189	3.073	9.7	18.7
2 21	7 20.15	+21 17.4	2.276	3.075	12.6	18.9
410044	2006 YS_{53}		1 15.7	65.°13	2.°2/16.9	18
12 13	8 11.61	+11 12.8	1.703	2.515	15.5	20.2
12 23	8 6.52	+12 6.6	1.638	2.529	11.7	20.0
1 2	7 59.03	+13 17.3	1.595	2.543	7.5	19.8
1 12	7 49.97	+14 40.8	1.580	2.557	3.3	19.6
1 22	7 40.44	+16 10.7	1.594	2.571	3.3	19.6
2 1	7 31.66	+17 40.2	1.637	2.585	7.4	19.9
2 11	7 24.72	+19 3.4	1.707	2.599	11.5	20.1
2 21	7 20.34	+20 16.7	1.800	2.614	14.9	20.4
4371	Fyodorov		1 15.7	271.°47	1.°3/15.2	18
12 13	8 14.76	+22 36.2	1.722	2.552	14.5	17.2
12 23	8 9.32	+23 6.8	1.627	2.532	10.9	17.0
1 2	8 1.01	+23 43.1	1.556	2.513	6.6	16.7
1 12	7 50.60	+24 20.5	1.512	2.493	2.1	16.3
1 22	7 39.27	+24 53.6	1.496	2.473	3.7	16.4
2 1	7 28.49	+25 18.3	1.509	2.452	8.5	16.6
2 11	7 19.67	+25 33.0	1.548	2.431	13.0	16.8
2 21	7 13.77	+25 37.9	1.608	2.410	16.9	17.0

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
318867	2005 TP_{76}		1 15.7	161.°41	3.°0/17.5	18
	h m	° ′			°	m
12 13	8 11.76	+ 8 52.7	2.519	3.300	11.9	22.0
12 23	8 5.97	+ 9 11.8	2.437	3.307	9.3	21.8
1 2	7 58.44	+ 9 42.9	2.380	3.314	6.3	21.7
1 12	7 49.79	+10 24.7	2.353	3.320	3.6	21.5
1 22	7 40.77	+11 14.6	2.356	3.326	3.4	21.5
2 1	7 32.23	+12 9.3	2.390	3.330	6.0	21.7
2 11	7 24.94	+13 5.3	2.454	3.334	8.9	21.9
2 21	7 19.45	+13 59.6	2.543	3.337	11.6	22.1
143194	2002 XT_{84}		1 15.7	0.°71	0.°6/15.3	18
12 13	8 9.26	+19 45.3	2.223	3.045	12.0	19.1
12 23	8 4.50	+20 36.9	2.143	3.044	8.8	18.9
1 2	7 57.74	+21 35.6	2.088	3.044	5.3	18.7
1 12	7 49.63	+22 37.3	2.063	3.044	1.4	18.4
1 22	7 41.04	+23 37.4	2.067	3.044	2.7	18.5
2 1	7 32.95	+24 31.8	2.102	3.045	6.5	18.7
2 11	7 26.28	+25 17.7	2.164	3.045	9.9	18.9
2 21	7 21.68	+25 54.2	2.250	3.046	12.9	19.1
328601	2009 SC_{88}		1 15.7	160.°26	2.°0/16.7	18
12 13	8 11.58	+13 28.6	2.274	3.076	12.4	21.6
12 23	8 6.02	+13 41.5	2.194	3.080	9.4	21.4
1 2	7 58.55	+14 4.1	2.139	3.085	6.0	21.2
1 12	7 49.84	+14 34.4	2.113	3.089	2.7	21.0
1 22	7 40.73	+15 9.9	2.117	3.092	2.9	21.0
2 1	7 32.15	+15 47.5	2.151	3.096	6.2	21.2
2 11	7 24.99	+16 24.5	2.214	3.098	9.6	21.4
2 21	7 19.83	+16 58.7	2.300	3.101	12.5	21.6
5140	Kida		1 15.7	81.°13	3.°8/17.8	18
12 13	8 8.58	+ 7 27.7	2.340	3.126	12.6	16.7
12 23	8 3.69	+ 7 34.3	2.268	3.138	9.9	16.5
1 2	7 57.10	+ 7 54.3	2.220	3.150	6.9	16.3
1 12	7 49.43	+ 8 26.7	2.199	3.162	4.3	16.2
1 22	7 41.45	+ 9 9.4	2.208	3.174	4.1	16.2
2 1	7 34.00	+ 9 59.1	2.246	3.185	6.4	16.4
2 11	7 27.84	+10 52.2	2.312	3.197	9.2	16.6
2 21	7 23.51	+11 45.1	2.403	3.209	11.9	16.8
19546	1999 JN_{34}		1 15.7	117.°13	4.°6/13.8	18
12 13	8 20.79	+32 10.6	1.930	2.749	13.6	19.0
12 23	8 13.21	+33 6.2	1.876	2.771	10.3	18.8
1 2	8 2.95	+33 57.0	1.847	2.791	6.9	18.7
1 12	7 51.03	+34 36.0	1.846	2.811	4.7	18.6
1 22	7 38.78	+34 58.4	1.874	2.831	5.8	18.7
2 1	7 27.60	+35 2.3	1.932	2.849	8.8	18.9
2 11	7 18.67	+34 49.9	2.016	2.867	11.9	19.1
2 21	7 12.66	+34 25.0	2.122	2.884	14.6	19.4
374191	2005 AV_{68}		1 15.7	1.°19	2.°4/14.8	18
12 13	8 11.06	+25 44.8	1.625	2.467	14.6	20.4
12 23	8 6.47	+26 12.7	1.555	2.466	10.9	20.2
1 2	7 59.16	+26 42.4	1.507	2.465	6.6	20.0
1 12	7 50.05	+27 8.7	1.486	2.465	2.8	19.7
1 22	7 40.39	+27 27.0	1.492	2.466	4.2	19.8
2 1	7 31.59	+27 34.3	1.525	2.468	8.5	20.1
2 11	7 24.88	+27 30.5	1.584	2.470	12.6	20.3
2 21	7 21.03	+27 17.1	1.663	2.473	16.1	20.5
405875	2006 DN_{210}		1 15.7	269.°99	1.°3/15.2	17
12 13	8 15.62	+22 54.5	1.650	2.481	15.0	22.1
12 23	8 10.06	+23 18.6	1.557	2.463	11.2	21.8
1 2	8 1.50	+23 48.0	1.487	2.444	6.8	21.5
1 12	7 50.75	+24 17.6	1.444	2.425	2.1	21.2
1 22	7 39.07	+24 42.5	1.429	2.406	3.8	21.2
2 1	7 28.01	+24 58.8	1.443	2.386	8.8	21.5
2 11	7 19.02	+25 5.2	1.481	2.366	13.4	21.7
2 21	7 13.10	+25 2.6	1.541	2.346	17.4	21.9
119003	2000 YF_{69}		1 15.7	299.°64	0.°9/15.3	18
12 13	8 11.69	+21 46.0	1.947	2.774	13.2	19.6
12 23	8 6.55	+22 18.4	1.867	2.771	9.8	19.4
1 2	7 59.07	+22 56.0	1.812	2.768	5.8	19.2
1 12	7 50.02	+23 34.8	1.784	2.765	1.7	18.9
1 22	7 40.42	+24 10.4	1.785	2.762	3.1	19.0
2 1	7 31.45	+24 39.4	1.816	2.759	7.3	19.2
2 11	7 24.19	+25 0.1	1.873	2.757	11.1	19.5
2 21	7 19.36	+25 12.3	1.953	2.754	14.4	19.7
521101	2015 DF_{244}		1 15.7	48.°01	0.°2/15.6	18
12 13	8 14.46	+23 1.0	2.135	2.955	12.5	20.4
12 23	8 8.15	+22 36.9	2.064	2.964	9.2	20.2
1 2	7 59.78	+22 13.4	2.018	2.973	5.5	20.0
1 12	7 50.15	+21 48.9	2.001	2.983	1.5	19.8
1 22	7 40.28	+21 22.2	2.015	2.993	2.6	19.9
2 1	7 31.21	+20 53.3	2.058	3.003	6.5	20.1
2 11	7 23.85	+20 22.6	2.129	3.013	10.0	20.4
2 21	7 18.76	+19 51.1	2.225	3.023	12.9	20.6

282595 2005 FU_1 1 15.7 144.°44 3.°8/17.6 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 13	8 8.74	+ 8 12.5	2.291	3.081	12.7	21.0
12 23	8 3.93	+ 8 8.8	2.208	3.081	10.0	20.8
1 2	7 57.32	+ 8 17.9	2.150	3.082	7.0	20.6
1 12	7 49.52	+ 8 39.4	2.118	3.082	4.4	20.5
1 22	7 41.33	+ 9 11.4	2.116	3.082	4.2	20.4
2 1	7 33.62	+ 9 51.3	2.143	3.083	6.6	20.6
2 11	7 27.21	+10 35.7	2.198	3.083	9.6	20.8
2 21	7 22.68	+11 21.3	2.277	3.083	12.4	21.0

146424 2001 QO_{231} 1 15.7 39.°02 2.°4/15.3 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 13	8 19.03	+28 9.8	1.421	2.260	16.6	18.9
12 23	8 12.33	+27 52.4	1.366	2.275	12.3	18.7
1 2	8 2.54	+27 31.1	1.334	2.290	7.5	18.5
1 12	7 50.92	+27 2.0	1.327	2.306	3.0	18.2
1 22	7 39.10	+26 23.1	1.348	2.323	4.3	18.4
2 1	7 28.72	+25 35.6	1.397	2.341	8.9	18.7
2 11	7 21.04	+24 42.5	1.470	2.359	13.2	19.0
2 21	7 16.67	+23 47.3	1.565	2.377	16.8	19.2

410765 2009 DH_{122} 1 15.7 256.°00 1.°2/15.2 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 13	8 14.63	+22 20.8	1.793	2.621	14.1	21.6
12 23	8 9.05	+22 51.0	1.703	2.607	10.6	21.3
1 2	8 0.76	+23 26.6	1.637	2.594	6.4	21.0
1 12	7 50.53	+24 3.2	1.599	2.580	1.9	20.7
1 22	7 39.53	+24 35.8	1.589	2.565	3.5	20.8
2 1	7 29.12	+25 0.5	1.608	2.551	8.1	21.0
2 11	7 20.62	+25 15.9	1.653	2.536	12.4	21.3
2 21	7 14.89	+25 22.2	1.720	2.521	16.0	21.5

380957 2006 PD_{11} 1 15.7 92.°56 2.°8/17.5 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 13	8 8.66	+ 9 11.4	2.417	3.208	12.1	20.8
12 23	8 3.76	+ 9 39.1	2.341	3.218	9.3	20.6
1 2	7 57.16	+10 19.4	2.291	3.228	6.3	20.4
1 12	7 49.47	+11 10.7	2.268	3.238	3.5	20.3
1 22	7 41.44	+12 9.8	2.276	3.248	3.3	20.3
2 1	7 33.91	+13 13.0	2.314	3.258	5.9	20.5
2 11	7 27.62	+14 16.4	2.381	3.268	8.9	20.7
2 21	7 23.13	+15 16.7	2.473	3.277	11.6	20.9

99568 2002 FB_{13} 1 15.7 92.°22 0.°9/16.0 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 13	8 15.73	+17 4.6	1.640	2.461	15.5	19.1
12 23	8 9.56	+17 27.9	1.582	2.481	11.5	18.9
1 2	8 0.83	+18 0.7	1.547	2.501	7.0	18.7
1 12	7 50.48	+18 39.1	1.539	2.520	2.2	18.4
1 22	7 39.79	+19 18.6	1.560	2.539	3.1	18.5
2 1	7 30.07	+19 55.1	1.610	2.557	7.7	18.8
2 11	7 22.46	+20 26.1	1.686	2.575	11.8	19.1
2 21	7 17.64	+20 50.4	1.784	2.593	15.2	19.4

376288 2011 FW_{82} 1 15.7 196.°45 1.°5/15.0 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 13	8 12.15	+24 4.7	2.224	3.047	11.9	21.3
12 23	8 6.63	+24 34.5	2.144	3.046	8.8	21.1
1 2	7 59.01	+25 6.8	2.090	3.045	5.3	20.9
1 12	7 50.00	+25 37.7	2.064	3.044	1.9	20.6
1 22	7 40.53	+26 3.6	2.068	3.043	3.1	20.7
2 1	7 31.65	+26 21.9	2.102	3.041	6.8	20.9
2 11	7 24.32	+26 31.7	2.163	3.039	10.1	21.1
2 21	7 19.19	+26 33.5	2.248	3.038	13.1	21.3

77721 2001 OB_{52} 1 15.7 20.°35 1.°9/14.7 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 13	8 10.31	+23 40.2	1.999	2.830	12.7	18.9
12 23	8 5.50	+24 35.5	1.926	2.832	9.4	18.7
1 2	7 58.43	+25 35.3	1.879	2.835	5.7	18.5
1 12	7 49.86	+26 34.2	1.860	2.839	2.2	18.3
1 22	7 40.78	+27 27.0	1.869	2.842	3.7	18.4
2 1	7 32.33	+28 9.7	1.908	2.846	7.4	18.6
2 11	7 25.55	+28 40.6	1.974	2.851	10.9	18.8
2 21	7 21.13	+28 59.9	2.062	2.855	14.0	19.0

453938 2011 YX_{28} 1 15.7 254.°64 3.°4/15.1 17

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 13	8 25.41	+32 41.1	2.115	2.921	13.1	20.5
12 23	8 16.66	+32 24.5	2.014	2.903	10.0	20.3
1 2	8 5.11	+31 59.3	1.939	2.885	6.5	20.0
1 12	7 51.68	+31 21.0	1.894	2.866	3.6	19.8
1 22	7 37.70	+30 27.1	1.880	2.847	4.6	19.8
2 1	7 24.63	+29 18.8	1.898	2.827	8.1	20.0
2 11	7 13.72	+27 59.9	1.945	2.807	11.8	20.2
2 21	7 5.77	+26 35.8	2.016	2.786	15.0	20.4

87657 2000 RC_{93} 1 15.7 136.°36 1.°9/16.6 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 13	8 12.07	+13 48.6	2.244	3.046	12.5	20.5
12 23	8 6.36	+13 59.7	2.170	3.057	9.5	20.3
1 2	7 58.75	+14 20.1	2.120	3.066	6.0	20.1
1 12	7 49.91	+14 47.9	2.100	3.076	2.7	19.9
1 22	7 40.73	+15 20.4	2.109	3.085	2.9	20.0
2 1	7 32.13	+15 54.8	2.149	3.093	6.2	20.2
2 11	7 24.99	+16 28.3	2.217	3.101	9.6	20.4
2 21	7 19.89	+16 59.2	2.309	3.109	12.4	20.6

27528 2000 HS_{54} 1 15.7 192.°05 0.°6/15.9 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 13	8 10.05	+18 5.5	2.418	3.231	11.4	18.8
12 23	8 4.87	+18 21.8	2.335	3.231	8.5	18.6
1 2	7 57.88	+18 44.0	2.277	3.230	5.1	18.4
1 12	7 49.68	+19 10.0	2.248	3.229	1.6	18.1
1 22	7 41.10	+19 37.0	2.250	3.228	2.3	18.2
2 1	7 33.01	+20 2.5	2.282	3.227	5.9	18.4
2 11	7 26.23	+20 24.8	2.341	3.225	9.1	18.6
2 21	7 21.36	+20 42.8	2.426	3.224	12.0	18.8

339004 2004 GC_{47} 1 15.7 28.°00 2.°9/16.6 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 13	8 13.48	+14 9.4	1.212	2.050	18.9	20.8
12 23	8 8.75	+14 5.1	1.149	2.054	14.4	20.6
1 2	8 0.75	+14 16.3	1.105	2.058	9.2	20.3
1 12	7 50.54	+14 40.9	1.086	2.063	4.1	20.0
1 22	7 39.67	+15 14.6	1.091	2.069	4.4	20.1
2 1	7 29.89	+15 52.6	1.123	2.075	9.5	20.4
2 11	7 22.69	+16 30.0	1.177	2.081	14.5	20.7
2 21	7 18.93	+17 3.6	1.252	2.088	18.8	20.9

415892 2001 TV_{97} 1 15.7 129.°32 11.°1/22.5 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 13	8 12.46	−15 48.1	2.480	3.119	15.5	21.7
12 23	8 6.49	−16 55.9	2.417	3.136	14.0	21.6
1 2	7 58.76	−17 39.7	2.373	3.152	12.6	21.5
1 12	7 49.91	−17 55.8	2.351	3.168	11.5	21.5
1 22	7 40.75	−17 42.9	2.353	3.183	11.1	21.5
2 1	7 32.13	−17 2.7	2.379	3.197	11.4	21.5
2 11	7 24.85	−15 59.7	2.429	3.211	12.4	21.6
2 21	7 19.45	−14 40.4	2.501	3.224	13.7	21.7

256997 2008 EF_{148} 1 15.7 80.°61 0.°5/15.5 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 13	8 14.05	+21 17.3	1.750	2.578	14.4	20.9
12 23	8 8.35	+21 35.6	1.683	2.587	10.6	20.7
1 2	8 0.15	+21 58.9	1.640	2.596	6.3	20.4
1 12	7 50.33	+22 23.4	1.623	2.605	1.7	20.1
1 22	7 40.07	+22 45.0	1.636	2.614	3.1	20.3
2 1	7 30.68	+23 1.1	1.677	2.622	7.6	20.6
2 11	7 23.27	+23 10.3	1.744	2.631	11.6	20.8
2 21	7 18.53	+23 13.0	1.834	2.640	15.0	21.1

159030 2004 TS_{60} 1 15.7 17.°13 1.°3/15.1 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 13	8 12.24	+23 2.6	1.854	2.685	13.6	20.0
12 23	8 7.03	+23 33.0	1.780	2.686	10.1	19.7
1 2	7 59.39	+24 7.5	1.730	2.687	6.0	19.5
1 12	7 50.13	+24 41.6	1.707	2.688	2.0	19.2
1 22	7 40.37	+25 11.0	1.714	2.690	3.4	19.3
2 1	7 31.32	+25 32.4	1.748	2.691	7.6	19.6
2 11	7 24.12	+25 44.7	1.809	2.693	11.4	19.8
2 21	7 19.47	+25 48.4	1.893	2.695	14.7	20.1

76910 2000 YX_{128} 1 15.7 163.°01 1.°9/14.9 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 13	8 18.42	+23 32.5	1.551	2.382	15.8	19.8
12 23	8 12.04	+24 14.2	1.481	2.386	11.7	19.6
1 2	8 2.58	+25 0.8	1.434	2.390	7.1	19.3
1 12	7 51.04	+25 45.8	1.414	2.394	2.5	19.0
1 22	7 38.83	+26 22.9	1.422	2.396	4.2	19.1
2 1	7 27.58	+26 48.2	1.458	2.399	9.0	19.4
2 11	7 18.72	+27 0.7	1.519	2.400	13.4	19.7
2 21	7 13.08	+27 2.1	1.602	2.402	17.1	19.9

458473 2011 BF_{87} 1 15.7 155.°21 1.°2/16.3 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 13	8 11.03	+15 35.0	1.966	2.783	13.5	21.5
12 23	8 5.97	+16 1.1	1.887	2.783	10.2	21.3
1 2	7 58.70	+16 37.5	1.832	2.784	6.3	21.0
1 12	7 49.95	+17 21.3	1.805	2.784	2.2	20.8
1 22	7 40.69	+18 8.5	1.807	2.785	2.8	20.8
2 1	7 32.03	+18 55.2	1.838	2.785	6.9	21.1
2 11	7 24.98	+19 38.1	1.896	2.785	10.7	21.3
2 21	7 20.22	+20 15.1	1.978	2.786	14.0	21.5

321436 2009 QF_{45} 1 15.7 111.°78 3.°1/17.5 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 13	8 11.85	+ 9 2.2	2.153	2.943	13.4	21.0
12 23	8 6.23	+ 9 29.9	2.083	2.960	10.3	20.8
1 2	7 58.69	+10 11.6	2.039	2.976	6.9	20.6
1 12	7 49.92	+11 5.4	2.022	2.992	3.8	20.5
1 22	7 40.80	+12 7.5	2.035	3.007	3.6	20.5
2 1	7 32.31	+13 13.6	2.079	3.022	6.5	20.7
2 11	7 25.30	+14 19.3	2.151	3.036	9.8	20.9
2 21	7 20.35	+15 21.3	2.247	3.051	12.6	21.1

147253 2002 XG_{86} 1 15.7 336.°97 5.°2/13.5 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 13	8 12.56	+29 57.5	1.455	2.302	15.7	19.3
12 23	8 8.19	+31 7.3	1.381	2.292	12.0	19.0
1 2	8 0.54	+32 17.9	1.330	2.284	8.0	18.8
1 12	7 50.54	+33 20.1	1.305	2.275	5.3	18.6
1 22	7 39.65	+34 5.5	1.306	2.268	6.9	18.7
2 1	7 29.64	+34 29.5	1.332	2.261	10.9	18.9
2 11	7 22.09	+34 31.9	1.382	2.255	15.0	19.1
2 21	7 17.99	+34 16.4	1.451	2.250	18.6	19.3

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
368820	2006 BH_{44}		1 15.7	66.°91	1.°8/15.1	18
	h m	° ′			°	m
12 13	8 15.01	+25 36.5	1.878	2.706	13.6	20.5
12 23	8 8.85	+25 49.4	1.818	2.722	10.0	20.3
1 2	8 0.32	+26 2.6	1.783	2.738	6.0	20.1
1 12	7 50.36	+26 12.0	1.775	2.754	2.2	19.9
1 22	7 40.11	+26 14.5	1.796	2.771	3.5	20.0
2 1	7 30.82	+26 8.8	1.847	2.787	7.4	20.3
2 11	7 23.49	+25 55.2	1.923	2.804	11.0	20.5
2 21	7 18.74	+25 35.4	2.023	2.820	14.1	20.8
258	Tyche		1 15.7	90.°70	7.°7/19.3	18 R
12 13	8 12.70	− 0 35.3	1.910	2.666	16.1	12.8
12 23	8 6.94	− 1 12.9	1.850	2.687	13.3	12.7
1 2	7 59.12	− 1 29.7	1.812	2.708	10.5	12.6
1 12	7 50.03	− 1 23.9	1.799	2.728	8.3	12.5
1 22	7 40.65	− 0 56.2	1.812	2.748	7.8	12.5
2 1	7 32.03	− 0 10.1	1.854	2.768	9.3	12.6
2 11	7 25.07	+ 0 49.1	1.921	2.788	11.7	12.8
2 21	7 20.37	+ 1 55.4	2.011	2.807	14.2	13.0
252307	2001 RR_{83}		1 15.7	119.°64	0.°5/15.5	18
12 13	8 15.18	+21 28.9	2.102	2.919	12.7	21.5
12 23	8 8.76	+21 48.8	2.037	2.935	9.4	21.3
1 2	8 0.21	+22 12.5	1.996	2.951	5.6	21.1
1 12	7 50.33	+22 36.4	1.985	2.966	1.5	20.9
1 22	7 40.14	+22 57.2	2.004	2.981	2.7	21.0
2 1	7 30.72	+23 12.7	2.053	2.995	6.6	21.2
2 11	7 23.02	+23 22.0	2.129	3.009	10.1	21.5
2 21	7 17.65	+23 25.2	2.230	3.022	13.1	21.7
242934	2006 QB_{59}		1 15.7	153.°03	5.°2/19.4	18
12 13	8 8.17	− 0 1.7	2.802	3.544	11.8	20.8
12 23	8 3.20	+ 0 7.4	2.718	3.550	9.7	20.7
1 2	7 56.76	+ 0 32.3	2.658	3.555	7.5	20.5
1 12	7 49.39	+ 1 13.0	2.625	3.560	5.7	20.4
1 22	7 41.70	+ 2 7.9	2.622	3.565	5.3	20.4
2 1	7 34.41	+ 3 14.1	2.649	3.570	6.5	20.5
2 11	7 28.16	+ 4 27.5	2.705	3.574	8.6	20.6
2 21	7 23.44	+ 5 43.7	2.786	3.578	10.8	20.8
424356	2007 VE_{146}		1 15.7	292.°91	4.°4/13.4	18
12 13	8 12.16	+32 33.6	2.293	3.118	11.5	20.9
12 23	8 6.89	+33 26.4	2.206	3.104	8.8	20.7
1 2	7 59.32	+34 16.8	2.145	3.089	6.1	20.5
1 12	7 50.15	+34 59.0	2.111	3.075	4.4	20.3
1 22	7 40.36	+35 28.4	2.106	3.060	5.5	20.4
2 1	7 31.09	+35 42.2	2.130	3.046	8.2	20.5
2 11	7 23.43	+35 40.5	2.181	3.032	11.1	20.7
2 21	7 18.12	+35 25.5	2.253	3.018	13.8	20.9
170081	2002 WL_9		1 15.7	99.°27	0.°6/15.4	18
12 13	8 11.18	+21 36.1	2.332	3.152	11.6	20.5
12 23	8 5.72	+21 58.5	2.262	3.162	8.5	20.4
1 2	7 58.37	+22 24.4	2.216	3.172	5.1	20.2
1 12	7 49.84	+22 50.9	2.200	3.181	1.4	19.9
1 22	7 40.97	+23 14.8	2.214	3.191	2.5	20.0
2 1	7 32.72	+23 34.0	2.258	3.201	6.1	20.3
2 11	7 25.92	+23 47.2	2.330	3.210	9.3	20.5
2 21	7 21.14	+23 54.5	2.426	3.219	12.1	20.7
163569	2002 TY_{142}		1 15.7	206.°78	4.°4/13.2	18
12 13	8 13.51	+33 18.8	2.455	3.273	11.1	20.1
12 23	8 7.69	+34 16.1	2.377	3.270	8.5	19.9
1 2	7 59.70	+35 10.2	2.326	3.267	5.9	19.8
1 12	7 50.24	+35 55.5	2.303	3.264	4.4	19.7
1 22	7 40.26	+36 27.4	2.311	3.260	5.4	19.7
2 1	7 30.85	+36 43.7	2.347	3.257	7.8	19.9
2 11	7 23.01	+36 44.7	2.410	3.253	10.5	20.0
2 21	7 17.43	+36 32.6	2.495	3.248	12.9	20.2
253947	2004 DB_4		1 15.7	286.°28	2.°9/14.4	18
12 13	8 13.52	+25 32.7	1.709	2.544	14.4	20.3
12 23	8 8.48	+26 29.0	1.622	2.529	10.7	20.0
1 2	8 0.57	+27 30.1	1.558	2.514	6.7	19.8
1 12	7 50.55	+28 29.3	1.522	2.499	3.2	19.5
1 22	7 39.66	+29 19.7	1.513	2.484	4.8	19.6
2 1	7 29.36	+29 56.4	1.533	2.469	9.1	19.8
2 11	7 21.07	+30 17.8	1.578	2.454	13.2	20.0
2 21	7 15.74	+30 25.0	1.644	2.439	16.9	20.2
335981	2007 TZ_{239}		1 15.7	55.°99	1.°0/16.1	18
12 13	8 10.88	+17 10.0	2.025	2.844	13.1	20.6
12 23	8 5.61	+17 22.1	1.965	2.863	9.7	20.4
1 2	7 58.33	+17 41.5	1.929	2.882	5.9	20.2
1 12	7 49.82	+18 5.8	1.921	2.901	2.0	20.0
1 22	7 41.05	+18 31.9	1.942	2.920	2.6	20.0
2 1	7 33.02	+18 57.0	1.993	2.940	6.4	20.3
2 11	7 26.60	+19 19.2	2.071	2.959	9.9	20.6
2 21	7 22.37	+19 37.2	2.172	2.979	12.9	20.8

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
412757	2014 OW_{377}		1 15.7	268.°24	0.°5/15.9	18
	h m	° ′			°	m
12 13	8 14.92	+19 0.9	1.617	2.444	15.4	21.3
12 23	8 9.49	+19 8.9	1.526	2.429	11.6	21.1
1 2	8 1.15	+19 24.8	1.459	2.414	7.1	20.8
1 12	7 50.71	+19 45.4	1.417	2.398	2.1	20.4
1 22	7 39.41	+20 6.9	1.404	2.382	3.3	20.4
2 1	7 28.74	+20 25.8	1.419	2.366	8.4	20.7
2 11	7 20.12	+20 40.0	1.459	2.350	13.1	20.9
2 21	7 14.48	+20 48.9	1.521	2.334	17.2	21.2
350691	2001 VN_{63}		1 15.7	68.°59	0.°2/15.8	18
12 13	8 19.05	+19 42.7	1.330	2.164	17.8	21.0
12 23	8 12.31	+19 54.8	1.285	2.192	13.1	20.8
1 2	8 2.53	+20 14.4	1.263	2.220	7.8	20.6
1 12	7 50.97	+20 36.7	1.266	2.248	2.1	20.3
1 22	7 39.22	+20 57.2	1.297	2.276	3.5	20.5
2 1	7 28.89	+21 12.8	1.355	2.303	8.7	20.9
2 11	7 21.25	+21 22.2	1.438	2.331	13.2	21.2
2 21	7 16.90	+21 25.8	1.542	2.358	16.8	21.5
429352	2010 FT_{96}		1 15.7	359.°24	4.°6/17.9	18
12 13	8 8.28	+ 6 51.3	2.117	2.907	13.6	21.2
12 23	8 3.74	+ 6 40.9	2.036	2.906	10.8	21.0
1 2	7 57.29	+ 6 45.0	1.978	2.906	7.8	20.8
1 12	7 49.57	+ 7 3.7	1.946	2.906	5.2	20.7
1 22	7 41.43	+ 7 35.4	1.943	2.906	4.9	20.7
2 1	7 33.80	+ 8 17.2	1.968	2.906	7.2	20.8
2 11	7 27.56	+ 9 5.3	2.020	2.906	10.3	21.0
2 21	7 23.32	+ 9 55.6	2.096	2.907	13.2	21.2
140168	2001 SC_{179}		1 15.7	0.°50	7.°3/12.2	18
12 13	8 11.74	+32 42.1	1.365	2.216	16.3	18.1
12 23	8 7.84	+34 28.5	1.304	2.214	12.6	17.8
1 2	8 0.44	+36 13.4	1.265	2.212	9.0	17.6
1 12	7 50.55	+37 44.9	1.252	2.212	7.3	17.5
1 22	7 39.76	+38 52.6	1.263	2.213	8.9	17.6
2 1	7 29.98	+39 30.9	1.300	2.215	12.4	17.8
2 11	7 22.90	+39 40.7	1.358	2.218	16.1	18.1
2 21	7 19.50	+39 27.1	1.435	2.222	19.3	18.3
247842	2003 SM_{292}		1 15.7	52.°15	4.°3/17.2	18
12 13	8 11.63	+10 13.5	1.925	2.726	14.3	20.0
12 23	8 6.26	+ 9 37.6	1.856	2.736	11.2	19.8
1 2	7 58.78	+ 9 13.4	1.810	2.746	7.7	19.6
1 12	7 49.98	+ 9 1.4	1.791	2.756	4.8	19.5
1 22	7 40.85	+ 9 0.8	1.800	2.767	4.7	19.5
2 1	7 32.42	+ 9 9.8	1.838	2.777	7.5	19.7
2 11	7 25.65	+ 9 25.7	1.902	2.788	10.8	19.9
2 21	7 21.13	+ 9 45.7	1.990	2.799	13.8	20.1
72233	2001 AJ_{16}		1 15.7	45.°85	1.°7/16.1	18
12 13	8 15.91	+17 21.1	1.206	2.047	18.7	18.2
12 23	8 10.59	+17 14.7	1.144	2.052	14.1	18.0
1 2	8 1.88	+17 19.3	1.102	2.058	8.7	17.7
1 12	7 50.90	+17 32.1	1.084	2.064	3.0	17.4
1 22	7 39.30	+17 49.0	1.092	2.071	4.0	17.4
2 1	7 28.89	+18 6.4	1.126	2.077	9.6	17.8
2 11	7 21.21	+18 21.5	1.183	2.084	14.7	18.1
2 21	7 17.10	+18 33.0	1.259	2.091	19.0	18.4
149465	2003 EC_8		1 15.7	352.°32	6.°1/19.2	18
12 13	8 7.14	+ 1 0.7	2.241	3.004	13.8	19.8
12 23	8 2.83	+ 0 51.3	2.157	3.002	11.3	19.7
1 2	7 56.72	+ 1 0.0	2.096	3.001	8.8	19.5
1 12	7 49.43	+ 1 27.5	2.060	3.000	6.7	19.4
1 22	7 41.73	+ 2 12.5	2.052	2.999	6.2	19.3
2 1	7 34.48	+ 3 12.1	2.073	2.998	7.8	19.4
2 11	7 28.51	+ 4 21.3	2.120	2.998	10.3	19.6
2 21	7 24.39	+ 5 35.2	2.191	2.997	12.8	19.7
122334	2000 QM_{28}		1 15.7	123.°32	0.°5/15.9	18
12 13	8 16.65	+17 49.4	1.857	2.672	14.3	21.2
12 23	8 10.08	+18 14.5	1.793	2.689	10.6	21.0
1 2	8 1.11	+18 47.5	1.753	2.706	6.4	20.8
1 12	7 50.65	+19 24.6	1.742	2.722	1.9	20.5
1 22	7 39.80	+20 1.7	1.760	2.738	2.8	20.6
2 1	7 29.81	+20 35.3	1.808	2.753	7.2	20.9
2 11	7 21.74	+21 3.2	1.883	2.767	11.0	21.2
2 21	7 16.24	+21 24.7	1.981	2.780	14.3	21.4
169707	2002 LL_{39}		1 15.7	184.°18	3.°5/17.3	18
12 13	8 13.40	+ 9 53.6	2.066	2.858	13.8	20.7
12 23	8 7.59	+ 9 52.0	1.982	2.859	10.7	20.5
1 2	7 59.65	+10 3.3	1.922	2.859	7.3	20.3
1 12	7 50.28	+10 26.7	1.890	2.858	4.2	20.1
1 22	7 40.41	+10 59.9	1.887	2.857	4.1	20.1
2 1	7 31.09	+11 39.8	1.914	2.855	7.1	20.3
2 11	7 23.32	+12 22.8	1.968	2.852	10.6	20.5
2 21	7 17.77	+13 5.8	2.046	2.849	13.7	20.7

235534 2004 CS_{70} 1 15.7 296.°01 0.°5/15.5 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 13	8 10.24	+21 7.8	2.185	3.008	12.1	20.4
12 23	8 5.34	+21 31.4	2.096	2.998	9.0	20.2
1 2	7 58.35	+21 59.9	2.032	2.988	5.4	20.0
1 12	7 49.93	+22 30.1	1.996	2.977	1.5	19.7
1 22	7 40.98	+22 58.7	1.990	2.967	2.7	19.7
2 1	7 32.53	+23 22.7	2.013	2.958	6.6	20.0
2 11	7 25.54	+23 40.6	2.064	2.948	10.2	20.2
2 21	7 20.70	+23 51.9	2.138	2.938	13.3	20.4

315844 2008 HF_{12} 1 15.7 290.°45 2.°5/14.6 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 13	8 13.32	+24 40.1	1.756	2.590	14.1	21.0
12 23	8 8.36	+25 29.8	1.660	2.567	10.6	20.7
1 2	8 0.55	+26 25.2	1.587	2.544	6.5	20.4
1 12	7 50.62	+27 20.1	1.542	2.520	2.8	20.1
1 22	7 39.72	+28 8.3	1.524	2.497	4.4	20.2
2 1	7 29.29	+28 44.7	1.535	2.474	8.8	20.4
2 11	7 20.75	+29 7.2	1.572	2.450	13.1	20.6
2 21	7 15.10	+29 16.5	1.629	2.427	16.9	20.8

325773 2010 NL_{35} 1 15.7 32.°44 7.°2/19.2 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 13	8 9.43	+ 2 29.5	1.426	2.223	18.7	20.6
12 23	8 5.24	+ 2 21.8	1.365	2.234	15.2	20.4
1 2	7 58.45	+ 2 39.9	1.324	2.246	11.4	20.2
1 12	7 49.96	+ 3 24.4	1.307	2.259	8.1	20.0
1 22	7 41.01	+ 4 32.0	1.314	2.273	7.4	20.0
2 1	7 32.93	+ 5 56.2	1.348	2.287	9.7	20.2
2 11	7 26.88	+ 7 28.6	1.406	2.301	13.2	20.4
2 21	7 23.59	+ 9 1.2	1.486	2.317	16.6	20.7

66908 1999 VY_{162} 1 15.7 52.°55 0.°2/15.6 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 13	8 12.16	+20 42.2	1.985	2.809	13.1	19.5
12 23	8 6.81	+20 56.4	1.909	2.811	9.7	19.3
1 2	7 59.22	+21 15.7	1.857	2.813	5.8	19.1
1 12	7 50.16	+21 36.7	1.833	2.814	1.6	18.8
1 22	7 40.66	+21 56.2	1.838	2.816	2.8	18.9
2 1	7 31.83	+22 11.7	1.873	2.818	6.9	19.1
2 11	7 24.68	+22 21.9	1.934	2.820	10.7	19.4
2 21	7 19.90	+22 26.6	2.018	2.822	13.9	19.6

95874 2003 GA_{44} 1 15.7 108.°31 3.°3/17.4 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 13	8 13.82	+ 9 15.4	1.603	2.409	16.6	19.3
12 23	8 8.36	+ 9 54.5	1.534	2.419	12.8	19.1
1 2	8 0.29	+10 53.0	1.488	2.430	8.5	18.9
1 12	7 50.48	+12 7.8	1.468	2.441	4.3	18.7
1 22	7 40.13	+13 33.0	1.476	2.451	4.1	18.7
2 1	7 30.56	+15 1.5	1.514	2.461	8.0	18.9
2 11	7 22.99	+16 26.7	1.577	2.471	12.2	19.2
2 21	7 18.16	+17 44.0	1.664	2.480	15.8	19.4

307308 2002 QS_{78} 1 15.7 339.°16 1.°3/15.3 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 13	8 13.38	+22 44.4	1.504	2.344	15.7	20.5
12 23	8 8.44	+23 8.3	1.429	2.339	11.7	20.2
1 2	8 0.53	+23 37.6	1.377	2.335	7.0	20.0
1 12	7 50.58	+24 7.1	1.351	2.332	2.2	19.6
1 22	7 39.94	+24 31.7	1.351	2.328	3.8	19.7
2 1	7 30.16	+24 48.0	1.379	2.326	8.8	20.0
2 11	7 22.63	+24 54.6	1.432	2.323	13.3	20.3
2 21	7 18.21	+24 52.3	1.505	2.321	17.2	20.5

159472 2000 QA_{176} 1 15.7 180.°59 1.°6/16.4 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 13	8 15.93	+15 37.2	2.105	2.909	13.2	21.1
12 23	8 9.44	+15 42.4	2.022	2.911	10.0	20.9
1 2	8 0.75	+15 55.9	1.964	2.912	6.2	20.7
1 12	7 50.59	+16 15.4	1.934	2.912	2.5	20.4
1 22	7 39.95	+16 38.4	1.935	2.912	2.9	20.5
2 1	7 29.91	+17 2.2	1.966	2.910	6.8	20.7
2 11	7 21.50	+17 24.6	2.025	2.908	10.4	20.9
2 21	7 15.39	+17 44.3	2.109	2.905	13.6	21.1

499781 2011 CO_{42} 1 15.7 284.°46 0.°0/15.6 17

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 13	8 13.24	+21 5.4	1.970	2.794	13.2	21.9
12 23	8 7.78	+21 4.3	1.876	2.777	9.9	21.6
1 2	7 59.93	+21 7.1	1.806	2.761	6.0	21.4
1 12	7 50.40	+21 11.1	1.763	2.744	1.7	21.0
1 22	7 40.23	+21 13.7	1.750	2.728	2.8	21.1
2 1	7 30.61	+21 13.1	1.766	2.711	7.2	21.3
2 11	7 22.68	+21 8.4	1.808	2.695	11.3	21.5
2 21	7 17.20	+20 59.8	1.874	2.678	14.7	21.7

422502 2014 TK_3 1 15.7 203.°21 7.°3/18.9 18 R

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 13	8 11.42	+ 0 32.1	1.999	2.760	15.3	21.3
12 23	8 6.20	− 0 2.4	1.916	2.757	12.7	21.1
1 2	7 58.86	− 0 18.1	1.854	2.755	10.0	20.9
1 12	7 50.08	− 0 12.7	1.818	2.752	7.9	20.8
1 22	7 40.79	+ 0 13.4	1.808	2.749	7.5	20.7
2 1	7 32.03	+ 0 57.9	1.827	2.745	9.1	20.8
2 11	7 24.76	+ 1 56.0	1.871	2.742	11.8	21.0
2 21	7 19.69	+ 3 1.8	1.939	2.738	14.5	21.1

502437 2015 BD_{276} 1 15.7 4.°47 3.°4/17.6 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 13	8 8.23	+ 9 1.9	2.142	2.939	13.2	20.8
12 23	8 3.74	+ 9 14.8	2.060	2.939	10.3	20.6
1 2	7 57.33	+ 9 41.8	2.002	2.940	7.0	20.4
1 12	7 49.65	+10 21.6	1.972	2.940	4.1	20.2
1 22	7 41.54	+11 11.4	1.970	2.941	3.9	20.2
2 1	7 33.93	+12 7.7	1.998	2.941	6.7	20.3
2 11	7 27.69	+13 6.1	2.052	2.943	9.9	20.5
2 21	7 23.44	+14 3.1	2.132	2.944	12.9	20.7

119113 2001 OE_{77} 1 15.7 41.°78 0.°7/15.6 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 13	8 17.87	+22 59.2	1.293	2.135	17.7	19.3
12 23	8 11.95	+22 51.2	1.229	2.140	13.2	19.1
1 2	8 2.66	+22 46.3	1.187	2.145	7.9	18.8
1 12	7 51.17	+22 40.4	1.169	2.150	2.2	18.5
1 22	7 39.12	+22 30.1	1.178	2.156	3.8	18.6
2 1	7 28.34	+22 14.0	1.213	2.162	9.4	18.9
2 11	7 20.30	+21 52.7	1.273	2.169	14.3	19.2
2 21	7 15.81	+21 27.9	1.353	2.175	18.4	19.5

68571 2001 YR_{10} 1 15.7 137.°07 4.°1/13.8 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 13	8 19.48	+29 30.9	1.947	2.767	13.5	19.4
12 23	8 12.39	+30 39.9	1.885	2.782	10.1	19.2
1 2	8 2.64	+31 47.7	1.848	2.796	6.6	19.1
1 12	7 51.14	+32 46.7	1.840	2.810	4.1	18.9
1 22	7 39.14	+33 31.1	1.862	2.822	5.4	19.0
2 1	7 28.02	+33 57.8	1.913	2.834	8.6	19.3
2 11	7 19.00	+34 7.3	1.991	2.845	11.9	19.5
2 21	7 12.81	+34 2.6	2.091	2.855	14.7	19.7

6084 Bascom 1 15.7 44.°20 10.°4/22.7 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 13	8 12.29	− 7 55.9	1.167	1.930	23.9	15.8
12 23	8 7.68	− 7 9.6	1.117	1.953	20.2	15.6
1 2	8 0.01	− 5 37.7	1.083	1.978	16.0	15.4
1 12	7 50.42	− 3 20.4	1.070	2.002	12.3	15.3
1 22	7 40.40	− 0 26.4	1.082	2.028	10.4	15.3
2 1	7 31.56	+ 2 49.0	1.119	2.054	11.8	15.4
2 11	7 25.24	+ 6 7.5	1.183	2.081	15.0	15.7
2 21	7 22.16	+ 9 14.0	1.269	2.108	18.4	16.0

230965 2004 XA_{192} 1 15.7 1.°05 0.°7/10.7 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 13	7 51.29	+48 31.5	34.703	35.469	1.0	19.8
12 23	7 50.05	+48 35.8	34.639	35.469	0.9	19.8
1 2	7 48.67	+48 39.1	34.601	35.469	0.8	19.8
1 12	7 47.22	+48 41.0	34.591	35.469	0.7	19.8
1 22	7 45.74	+48 41.6	34.608	35.469	0.8	19.8
2 1	7 44.30	+48 40.6	34.653	35.470	0.9	19.8
2 11	7 42.96	+48 38.1	34.723	35.470	1.1	19.8
2 21	7 41.76	+48 34.1	34.816	35.470	1.2	19.8

454958 2015 TJ_{198} 1 15.7 170.°57 3.°5/14.2 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 13	8 20.82	+28 8.2	1.904	2.723	13.8	22.8
12 23	8 13.51	+29 6.6	1.831	2.729	10.3	22.6
1 2	8 3.39	+30 5.2	1.783	2.733	6.6	22.3
1 12	7 51.37	+30 56.9	1.764	2.737	3.7	22.2
1 22	7 38.72	+31 35.7	1.775	2.740	5.0	22.3
2 1	7 26.91	+31 58.1	1.815	2.741	8.6	22.5
2 11	7 17.22	+32 4.6	1.882	2.742	12.2	22.7
2 21	7 10.46	+31 57.9	1.972	2.742	15.3	22.9

296611 2009 SH_{13} 1 15.7 26.°58 7.°4/13.7 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 13	8 18.65	+38 30.1	1.560	2.390	15.8	19.8
12 23	8 12.44	+39 12.7	1.504	2.397	12.4	19.6
1 2	8 2.87	+39 43.9	1.470	2.405	9.3	19.5
1 12	7 51.20	+39 55.0	1.462	2.414	7.5	19.4
1 22	7 39.12	+39 41.2	1.479	2.423	8.4	19.5
2 1	7 28.44	+39 2.6	1.523	2.433	11.2	19.6
2 11	7 20.57	+38 3.9	1.590	2.444	14.4	19.9
2 21	7 16.22	+36 51.9	1.677	2.455	17.3	20.1

62427 2000 SH_{187} 1 15.7 82.°44 2.°8/14.5 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 13	8 14.09	+26 24.5	1.874	2.704	13.5	19.2
12 23	8 8.41	+27 12.8	1.809	2.714	10.0	19.0
1 2	8 0.25	+28 2.3	1.769	2.724	6.2	18.8
1 12	7 50.48	+28 47.4	1.757	2.734	3.0	18.6
1 22	7 40.26	+29 22.8	1.774	2.744	4.3	18.7
2 1	7 30.86	+29 45.6	1.819	2.754	8.0	19.0
2 11	7 23.39	+29 55.3	1.891	2.764	11.5	19.2
2 21	7 18.56	+29 53.7	1.985	2.774	14.6	19.4

372185 2008 TB_{85} 1 15.7 141.°56 0.°0/15.7 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 13	8 11.96	+20 1.8	2.176	2.995	12.3	21.2
12 23	8 6.49	+20 16.0	2.099	2.998	9.1	21.0
1 2	7 58.97	+20 35.2	2.046	3.001	5.5	20.8
1 12	7 50.12	+20 56.5	2.022	3.004	1.5	20.5
1 22	7 40.86	+21 17.0	2.028	3.006	2.5	20.6
2 1	7 32.21	+21 34.3	2.064	3.009	6.4	20.9
2 11	7 25.10	+21 47.0	2.127	3.011	9.9	21.1
2 21	7 20.14	+21 54.8	2.214	3.013	12.9	21.3

363754 2005 AW_{64} 1 15.7 352.°60 0.°5/15.9 17

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 13	8 11.30	+19 36.1	1.201	2.053	18.1	20.9
12 23	8 7.39	+19 35.7	1.131	2.047	13.6	20.6
1 2	8 0.12	+19 44.3	1.082	2.042	8.3	20.3
1 12	7 50.52	+19 58.3	1.057	2.038	2.4	19.9
1 22	7 40.15	+20 13.5	1.056	2.035	3.8	20.0
2 1	7 30.80	+20 26.1	1.080	2.034	9.6	20.3
2 11	7 24.05	+20 34.0	1.127	2.033	14.8	20.6
2 21	7 20.80	+20 36.5	1.194	2.034	19.2	20.9

209776 2005 EZ_{326} 1 15.7 37.°20 8.°4/19.6 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 13	8 10.26	+ 0 54.1	1.324	2.119	20.0	20.1
12 23	8 6.01	+ 0 37.0	1.266	2.131	16.4	19.9
1 2	7 58.98	+ 0 48.7	1.227	2.144	12.5	19.7
1 12	7 50.15	+ 1 30.4	1.210	2.158	9.3	19.6
1 22	7 40.83	+ 2 39.3	1.218	2.172	8.5	19.6
2 1	7 32.46	+ 4 8.4	1.251	2.187	10.6	19.8
2 11	7 26.29	+ 5 48.1	1.308	2.203	14.1	20.0
2 21	7 23.04	+ 7 29.1	1.386	2.219	17.5	20.3

406138 2006 VM_{111} 1 15.7 92.°41 0.°5/15.5 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 13	8 17.06	+21 35.8	1.894	2.713	13.8	21.7
12 23	8 10.25	+21 51.7	1.839	2.738	10.2	21.6
1 2	8 1.16	+22 11.2	1.809	2.763	6.0	21.4
1 12	7 50.69	+22 30.6	1.807	2.788	1.7	21.1
1 22	7 40.00	+22 46.6	1.835	2.812	2.9	21.3
2 1	7 30.28	+22 57.0	1.892	2.835	7.0	21.6
2 11	7 22.52	+23 1.3	1.977	2.858	10.7	21.8
2 21	7 17.31	+23 0.0	2.085	2.881	13.7	22.1

523536 2017 PZ_{23} 1 15.7 258.°78 2.°1/14.7 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 13	8 11.32	+27 1.1	2.528	3.349	10.7	21.8
12 23	8 5.93	+27 26.7	2.440	3.340	8.0	21.6
1 2	7 58.62	+27 52.4	2.379	3.332	4.9	21.4
1 12	7 50.03	+28 14.5	2.346	3.323	2.3	21.2
1 22	7 41.00	+28 30.1	2.344	3.314	3.3	21.3
2 1	7 32.46	+28 37.1	2.372	3.306	6.4	21.5
2 11	7 25.29	+28 35.2	2.427	3.297	9.4	21.6
2 21	7 20.11	+28 25.5	2.506	3.288	12.1	21.8

379473 2010 DC_{42} 1 15.7 328.°96 1.°1/16.2 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 13	8 9.64	+16 11.9	1.957	2.778	13.4	21.1
12 23	8 5.04	+16 34.2	1.874	2.772	10.1	20.8
1 2	7 58.25	+17 6.3	1.814	2.767	6.2	20.6
1 12	7 49.95	+17 45.5	1.782	2.762	2.2	20.3
1 22	7 41.12	+18 28.1	1.779	2.757	2.8	20.3
2 1	7 32.82	+19 10.3	1.804	2.753	6.9	20.6
2 11	7 26.11	+19 49.0	1.857	2.748	10.7	20.8
2 21	7 21.67	+20 22.1	1.932	2.744	14.1	21.0

473945 2016 EP_{172} 1 15.7 255.°19 3.°2/14.8 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 13	8 17.65	+30 17.3	1.969	2.792	13.2	20.5
12 23	8 11.03	+30 23.9	1.889	2.788	10.0	20.3
1 2	8 1.82	+30 26.4	1.833	2.783	6.4	20.0
1 12	7 50.93	+30 20.3	1.805	2.779	3.4	19.8
1 22	7 39.57	+30 2.3	1.806	2.775	4.5	19.9
2 1	7 29.07	+29 32.0	1.837	2.770	8.0	20.1
2 11	7 20.59	+28 51.3	1.894	2.765	11.6	20.3
2 21	7 14.85	+28 3.3	1.974	2.761	14.7	20.5

152465 2005 VJ_{96} 1 15.7 145.°97 0.°3/15.6 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 13	8 13.83	+21 7.0	2.082	2.901	12.8	20.6
12 23	8 7.94	+21 23.0	2.007	2.907	9.4	20.4
1 2	7 59.87	+21 43.2	1.957	2.912	5.6	20.1
1 12	7 50.39	+22 4.5	1.935	2.917	1.5	19.9
1 22	7 40.49	+22 23.6	1.944	2.921	2.7	20.0
2 1	7 31.28	+22 38.1	1.982	2.925	6.7	20.2
2 11	7 23.73	+22 47.0	2.047	2.929	10.3	20.5
2 21	7 18.49	+22 50.3	2.136	2.933	13.4	20.7

19625 Ovaitt 1 15.7 40.°54 0.°5/15.6 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 13	8 15.22	+21 48.6	1.427	2.266	16.5	17.2
12 23	8 9.74	+21 56.3	1.363	2.272	12.2	17.0
1 2	8 1.25	+22 9.1	1.321	2.279	7.3	16.7
1 12	7 50.80	+22 22.7	1.304	2.286	2.0	16.4
1 22	7 39.84	+22 33.2	1.315	2.293	3.5	16.5
2 1	7 29.94	+22 37.7	1.353	2.301	8.7	16.9
2 11	7 22.46	+22 35.8	1.415	2.309	13.3	17.1
2 21	7 18.16	+22 27.9	1.498	2.317	17.1	17.4

2155 Wodan 1 15.7 77.°10 1.°3/15.2 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 13	8 12.89	+23 22.2	1.973	2.800	13.1	16.9
12 23	8 7.36	+23 49.9	1.904	2.808	9.6	16.7
1 2	7 59.57	+24 20.6	1.860	2.816	5.8	16.5
1 12	7 50.31	+24 50.4	1.843	2.824	1.9	16.2
1 22	7 40.65	+25 15.1	1.856	2.832	3.2	16.3
2 1	7 31.72	+25 32.3	1.898	2.840	7.1	16.6
2 11	7 24.56	+25 41.1	1.966	2.848	10.8	16.8
2 21	7 19.81	+25 42.0	2.058	2.856	13.8	17.0

460682 2014 UC_{177} 1 15.7 196.°69 2.°8/14.7 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 13	8 16.81	+27 59.5	2.044	2.866	12.9	21.4
12 23	8 10.37	+28 28.6	1.964	2.864	9.6	21.2
1 2	8 1.44	+28 56.9	1.909	2.861	6.0	21.0
1 12	7 50.85	+29 19.5	1.882	2.858	3.0	20.8
1 22	7 39.73	+29 32.2	1.886	2.855	4.2	20.8
2 1	7 29.34	+29 32.9	1.918	2.851	7.8	21.0
2 11	7 20.81	+29 22.0	1.978	2.847	11.3	21.3
2 21	7 14.88	+29 1.8	2.060	2.842	14.4	21.4

5302 Romanoserra 1 15.7 83.°50 1.°1/15.4 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 13	8 16.34	+22 28.7	1.476	2.312	16.2	17.5
12 23	8 10.58	+22 48.1	1.408	2.316	12.0	17.3
1 2	8 1.78	+23 12.4	1.363	2.320	7.2	17.0
1 12	7 50.97	+23 36.7	1.343	2.325	2.1	16.7
1 22	7 39.56	+23 56.1	1.352	2.329	3.7	16.8
2 1	7 29.17	+24 7.3	1.387	2.333	8.8	17.1
2 11	7 21.17	+24 9.8	1.448	2.338	13.3	17.4
2 21	7 16.37	+24 4.5	1.529	2.342	17.1	17.7

364707 2007 UM_{122} 1 15.7 1.°84 4.°5/17.1 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 13	8 11.34	+11 22.1	1.360	2.187	17.8	21.2
12 23	8 6.95	+10 56.1	1.289	2.186	13.9	20.9
1 2	7 59.66	+10 45.8	1.240	2.185	9.4	20.7
1 12	7 50.40	+10 51.3	1.214	2.185	5.3	20.5
1 22	7 40.49	+11 10.8	1.214	2.186	5.3	20.5
2 1	7 31.45	+11 40.5	1.239	2.188	9.3	20.7
2 11	7 24.64	+12 16.0	1.289	2.190	13.7	20.9
2 21	7 20.87	+12 52.8	1.359	2.193	17.7	21.2

424736 2008 SE_{251} 1 15.7 140.°36 0.°8/16.1 16

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 13	8 11.38	+17 39.8	2.257	3.070	12.1	22.1
12 23	8 5.98	+17 52.6	2.179	3.075	9.0	21.9
1 2	7 58.64	+18 12.0	2.127	3.079	5.5	21.7
1 12	7 50.05	+18 35.5	2.103	3.083	1.8	21.5
1 22	7 41.08	+19 0.5	2.109	3.087	2.4	21.5
2 1	7 32.67	+19 24.3	2.145	3.091	6.1	21.8
2 11	7 25.71	+19 45.2	2.209	3.094	9.6	22.0
2 21	7 20.79	+20 2.1	2.297	3.098	12.5	22.2

234965 2002 XQ_5 1 15.7 90.°52 3.°5/17.7 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 13	8 9.87	+ 8 29.6	2.357	3.144	12.5	20.5
12 23	8 4.66	+ 8 32.0	2.289	3.161	9.7	20.3
1 2	7 57.75	+ 8 46.7	2.246	3.178	6.7	20.2
1 12	7 49.79	+ 9 12.7	2.230	3.195	4.1	20.0
1 22	7 41.56	+ 9 48.0	2.244	3.211	3.9	20.0
2 1	7 33.89	+10 29.6	2.288	3.228	6.2	20.2
2 11	7 27.54	+11 14.3	2.360	3.244	9.1	20.4
2 21	7 23.03	+11 58.9	2.457	3.260	11.7	20.6

76471 2000 FD_{57} 1 15.7 102.°13 2.°4/14.8 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 13	8 14.69	+28 9.9	2.260	3.081	11.8	18.8
12 23	8 8.42	+28 25.1	2.192	3.091	8.8	18.7
1 2	8 0.07	+28 38.5	2.149	3.101	5.4	18.5
1 12	7 50.43	+28 46.4	2.135	3.112	2.6	18.3
1 22	7 40.50	+28 46.0	2.151	3.122	3.6	18.4
2 1	7 31.33	+28 36.2	2.197	3.131	6.8	18.6
2 11	7 23.84	+28 17.8	2.270	3.141	10.0	18.8
2 21	7 18.62	+27 52.4	2.367	3.150	12.7	19.0

466191 2012 KL_{45} 1 15.7 161.°27 4.°4/13.5 16 C

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 13	8 30.49	+23 22.3	1.422	2.238	17.8	22.2
12 23	8 21.78	+25 49.5	1.354	2.251	13.3	22.0
1 2	8 8.98	+28 28.4	1.311	2.262	8.2	21.7
1 12	7 53.09	+31 3.2	1.298	2.272	4.5	21.5
1 22	7 35.91	+33 18.0	1.316	2.279	6.7	21.7
2 1	7 19.70	+35 2.0	1.365	2.285	11.5	22.0
2 11	7 6.50	+36 13.5	1.440	2.288	16.0	22.3
2 21	6 57.51	+36 57.4	1.536	2.289	19.7	22.5

90303 2003 EL_{49} 1 15.7 113.°58 6.°2/13.8 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 13	8 24.26	+36 7.3	1.749	2.566	14.9	19.8
12 23	8 16.15	+36 58.5	1.697	2.586	11.5	19.6
1 2	8 4.92	+37 40.6	1.668	2.605	8.2	19.5
1 12	7 51.79	+38 5.6	1.667	2.624	6.3	19.4
1 22	7 38.35	+38 8.2	1.694	2.642	7.2	19.5
2 1	7 26.27	+37 48.3	1.750	2.659	10.1	19.7
2 11	7 16.88	+37 9.8	1.830	2.676	13.2	19.9
2 21	7 10.87	+36 18.5	1.932	2.691	16.0	20.1

511 Davida 1 15.7 19.°55 1.°1/15.1 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 13	8 9.27	+19 31.3	1.764	2.597	14.1	10.3
12 23	8 4.99	+20 48.5	1.697	2.604	10.4	10.1
1 2	7 58.31	+22 15.7	1.654	2.612	6.1	9.9
1 12	7 50.02	+23 46.4	1.639	2.621	1.8	9.6
1 22	7 41.18	+25 13.3	1.654	2.630	3.4	9.7
2 1	7 33.00	+26 30.4	1.697	2.640	7.7	10.0
2 11	7 26.62	+27 33.8	1.766	2.650	11.6	10.3
2 21	7 22.76	+28 22.5	1.857	2.662	14.9	10.5

369349 2009 SV_{344} 1 15.7 183.°85 4.°7/18.3 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 13	8 11.13	+ 4 8.2	2.617	3.377	12.1	22.7
12 23	8 5.55	+ 3 59.9	2.528	3.378	9.7	22.5
1 2	7 58.31	+ 4 5.2	2.464	3.378	7.2	22.3
1 12	7 49.97	+ 4 24.1	2.428	3.377	5.2	22.2
1 22	7 41.26	+ 4 55.7	2.421	3.375	4.9	22.2
2 1	7 32.96	+ 5 37.4	2.445	3.373	6.6	22.3
2 11	7 25.81	+ 6 26.1	2.498	3.370	9.1	22.4
2 21	7 20.37	+ 7 18.1	2.576	3.367	11.6	22.6

110947 2001 UW_{155} 1 15.7 201.°96 1.°3/15.2 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 13	8 13.65	+23 1.5	1.984	2.809	13.1	19.7
12 23	8 8.05	+23 33.7	1.904	2.807	9.7	19.5
1 2	8 0.07	+24 9.9	1.850	2.805	5.8	19.2
1 12	7 50.50	+24 45.7	1.823	2.803	1.9	19.0
1 22	7 40.39	+25 16.8	1.826	2.801	3.3	19.1
2 1	7 30.93	+25 40.1	1.857	2.799	7.3	19.3
2 11	7 23.20	+25 54.4	1.916	2.796	11.1	19.5
2 21	7 17.94	+26 0.0	1.998	2.793	14.3	19.7

336510 2008 WD_{129} 1 15.7 51.°96 1.°2/16.5 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 13	8 10.73	+13 33.8	1.941	2.753	13.8	19.9
12 23	8 5.65	+14 31.6	1.883	2.777	10.3	19.8
1 2	7 58.49	+15 41.7	1.850	2.801	6.4	19.6
1 12	7 50.03	+16 59.8	1.845	2.825	2.3	19.3
1 22	7 41.24	+18 20.3	1.870	2.849	2.7	19.4
2 1	7 33.17	+19 37.6	1.925	2.873	6.6	19.7
2 11	7 26.74	+20 47.6	2.008	2.897	10.2	20.0
2 21	7 22.54	+21 48.0	2.115	2.922	13.2	20.2

229183 2004 TH_{188} 1 15.7 199.°67 1.°9/16.5 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 13	8 11.54	+14 59.4	2.027	2.839	13.3	21.4
12 23	8 6.32	+15 2.4	1.946	2.838	10.1	21.2
1 2	7 58.96	+15 14.5	1.889	2.838	6.4	20.9
1 12	7 50.19	+15 34.0	1.860	2.837	2.7	20.7
1 22	7 40.95	+15 58.3	1.860	2.837	3.0	20.7
2 1	7 32.29	+16 24.7	1.889	2.836	6.8	21.0
2 11	7 25.20	+16 50.6	1.946	2.835	10.4	21.2
2 21	7 20.35	+17 14.1	2.026	2.834	13.6	21.4

316836 2000 CQ_{132} 1 15.7 34.°14 0.°6/15.5 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 13	8 12.40	+22 10.4	2.034	2.858	12.8	21.1
12 23	8 6.97	+22 20.6	1.958	2.860	9.5	20.9
1 2	7 59.34	+22 34.1	1.906	2.862	5.7	20.6
1 12	7 50.29	+22 47.8	1.883	2.864	1.6	20.4
1 22	7 40.81	+22 58.7	1.888	2.866	2.8	20.5
2 1	7 32.01	+23 4.9	1.924	2.868	6.8	20.7
2 11	7 24.89	+23 5.5	1.986	2.870	10.5	20.9
2 21	7 20.09	+23 0.9	2.071	2.873	13.6	21.2

3896 Pordenone 1 15.7 294.°52 4.°3/17.4 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 13	8 10.04	+ 8 41.6	2.177	2.969	13.2	16.2
12 23	8 5.07	+ 8 15.2	2.091	2.964	10.4	16.0
1 2	7 58.16	+ 8 0.6	2.029	2.960	7.4	15.8
1 12	7 49.96	+ 7 58.1	1.994	2.956	4.8	15.7
1 22	7 41.33	+ 8 7.0	1.988	2.952	4.7	15.6
2 1	7 33.19	+ 8 25.6	2.011	2.948	7.1	15.8
2 11	7 26.44	+ 8 51.1	2.060	2.944	10.2	16.0
2 21	7 21.69	+ 9 20.3	2.134	2.940	13.1	16.2

358562 2007 TC_{235} 1 15.7 242.°23 4.°6/13.9 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 13	8 17.37	+30 33.2	1.695	2.527	14.6	21.1
12 23	8 11.41	+31 26.1	1.618	2.521	11.1	20.8
1 2	8 2.38	+32 17.6	1.564	2.514	7.4	20.6
1 12	7 51.20	+32 59.9	1.537	2.507	4.7	20.4
1 22	7 39.26	+33 26.7	1.538	2.500	6.0	20.5
2 1	7 28.15	+33 34.6	1.567	2.493	9.7	20.7
2 11	7 19.33	+33 24.6	1.620	2.486	13.6	20.9
2 21	7 13.70	+33 0.2	1.695	2.478	16.9	21.1

89344 2001 VY_{63} 1 15.7 132.°34 4.°4/14.0 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 13	8 19.69	+30 0.4	1.693	2.521	14.8	20.3
12 23	8 12.90	+30 59.4	1.631	2.532	11.1	20.1
1 2	8 3.12	+31 56.5	1.593	2.543	7.3	19.9
1 12	7 51.37	+32 43.9	1.582	2.553	4.5	19.7
1 22	7 39.07	+33 15.1	1.600	2.562	5.8	19.8
2 1	7 27.82	+33 27.6	1.646	2.571	9.4	20.1
2 11	7 18.96	+33 22.4	1.717	2.580	13.1	20.3
2 21	7 13.28	+33 3.5	1.809	2.588	16.2	20.5

192412 1997 HQ_7 1 15.7 195.°98 2.°3/14.9 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 13	8 18.52	+25 29.9	1.824	2.647	14.1	21.6
12 23	8 11.91	+26 5.6	1.744	2.645	10.5	21.4
1 2	8 2.52	+26 43.3	1.688	2.642	6.4	21.1
1 12	7 51.22	+27 17.5	1.660	2.639	2.7	20.9
1 22	7 39.26	+27 43.0	1.662	2.634	4.1	21.0
2 1	7 28.07	+27 56.8	1.692	2.629	8.3	21.2
2 11	7 18.94	+27 58.5	1.750	2.624	12.3	21.4
2 21	7 12.69	+27 50.0	1.829	2.617	15.7	21.7

448094 2008 JK_{38} 1 15.7 234.°92 3.°8/17.0 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 13	8 15.52	+11 17.5	1.571	2.381	16.6	22.5
12 23	8 9.95	+11 11.1	1.483	2.371	12.9	22.2
1 2	8 1.50	+11 19.7	1.418	2.361	8.7	21.9
1 12	7 50.98	+11 42.8	1.378	2.350	4.7	21.7
1 22	7 39.61	+12 17.7	1.366	2.339	4.7	21.6
2 1	7 28.87	+13 0.4	1.381	2.327	8.8	21.8
2 11	7 20.14	+13 46.1	1.422	2.315	13.3	22.1
2 21	7 14.36	+14 31.1	1.485	2.302	17.3	22.3

375334 2008 RF_{145} 1 15.7 334.°62 1.°2/15.2 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 13	8 12.22	+23 6.6	2.032	2.859	12.8	21.6
12 23	8 6.91	+23 32.0	1.954	2.858	9.4	21.4
1 2	7 59.36	+24 0.7	1.901	2.857	5.7	21.1
1 12	7 50.32	+24 29.0	1.876	2.857	1.8	20.9
1 22	7 40.79	+24 53.1	1.880	2.856	3.1	21.0
2 1	7 31.91	+25 10.2	1.913	2.855	7.0	21.2
2 11	7 24.69	+25 19.4	1.973	2.855	10.7	21.4
2 21	7 19.83	+25 21.0	2.056	2.854	13.8	21.6

362084 2009 BW_{128} 1 15.7 62.°33 3.°2/14.6 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 13	8 16.43	+25 34.3	1.407	2.249	16.5	20.7
12 23	8 10.73	+26 32.0	1.355	2.265	12.2	20.5
1 2	8 1.88	+27 32.6	1.325	2.282	7.5	20.2
1 12	7 51.02	+28 27.8	1.321	2.299	3.5	20.0
1 22	7 39.70	+29 10.7	1.345	2.316	5.1	20.2
2 1	7 29.58	+29 37.4	1.395	2.334	9.5	20.5
2 11	7 22.03	+29 47.8	1.469	2.351	13.7	20.8
2 21	7 17.80	+29 44.7	1.564	2.368	17.2	21.1

248678 2006 KC_9 1 15.7 209.°88 0.°9/16.1 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 13	8 15.12	+17 32.9	2.011	2.823	13.4	21.8
12 23	8 9.09	+17 45.0	1.922	2.817	10.1	21.6
1 2	8 0.70	+18 4.8	1.859	2.810	6.2	21.4
1 12	7 50.71	+18 29.4	1.823	2.803	2.0	21.1
1 22	7 40.12	+18 55.8	1.818	2.796	2.8	21.1
2 1	7 30.10	+19 20.8	1.842	2.787	7.0	21.4
2 11	7 21.74	+19 42.5	1.894	2.778	10.9	21.6
2 21	7 15.79	+19 59.8	1.969	2.769	14.3	21.8

490183 2008 UL_{283} 1 15.7 31.°62 0.°8/15.4 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 13	8 11.11	+21 32.0	1.732	2.567	14.2	21.0
12 23	8 6.28	+22 1.0	1.670	2.577	10.5	20.8
1 2	7 59.02	+22 35.4	1.631	2.588	6.2	20.6
1 12	7 50.22	+23 10.8	1.619	2.600	1.8	20.3
1 22	7 41.01	+23 42.9	1.635	2.612	3.2	20.5
2 1	7 32.63	+24 8.3	1.679	2.625	7.5	20.8
2 11	7 26.16	+24 25.4	1.749	2.638	11.4	21.0
2 21	7 22.26	+24 34.4	1.841	2.652	14.7	21.3

423286 2005 CE_7 1 15.7 228.°27 9.°9/21.0 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 13	8 15.48	− 4 38.6	1.168	1.941	23.3	20.7
12 23	8 10.69	− 4 5.0	1.088	1.937	19.7	20.4
1 2	8 2.33	− 2 46.2	1.026	1.933	15.5	20.1
1 12	7 51.29	− 0 38.7	0.984	1.928	11.5	19.9
1 22	7 39.05	+ 2 12.4	0.967	1.923	9.9	19.8
2 1	7 27.53	+ 5 32.9	0.977	1.917	12.3	19.9
2 11	7 18.55	+ 9 2.8	1.011	1.912	16.7	20.1
2 21	7 13.28	+12 24.2	1.068	1.906	21.2	20.4

294859 2008 CQ_{193} 1 15.7 103.°20 4.°1/14.1 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 13	8 18.33	+31 3.3	1.940	2.763	13.4	20.9
12 23	8 11.46	+31 50.0	1.884	2.782	10.1	20.7
1 2	8 2.04	+32 33.0	1.853	2.801	6.6	20.6
1 12	7 51.04	+33 6.1	1.850	2.819	4.2	20.5
1 22	7 39.70	+33 24.8	1.876	2.836	5.3	20.6
2 1	7 29.36	+33 27.3	1.931	2.854	8.4	20.8
2 11	7 21.14	+33 15.2	2.011	2.871	11.6	21.0
2 21	7 15.68	+32 51.6	2.115	2.887	14.4	21.2

444147 2004 XZ_{14} 1 15.7 59.°72 2.°1/15.0 17

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 13	8 17.63	+23 24.9	1.310	2.151	17.5	21.1
12 23	8 11.56	+24 9.4	1.265	2.176	12.9	20.9
1 2	8 2.31	+24 58.3	1.243	2.201	7.7	20.6
1 12	7 51.13	+25 44.3	1.246	2.226	2.7	20.4
1 22	7 39.63	+26 20.7	1.276	2.252	4.4	20.6
2 1	7 29.53	+26 44.1	1.333	2.277	9.3	20.9
2 11	7 22.15	+26 54.3	1.414	2.302	13.7	21.2
2 21	7 18.16	+26 53.2	1.515	2.328	17.3	21.5

372934 2011 BS_{46} 1 15.7 102.°48 1.°7/16.5 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 13	8 12.29	+15 11.2	2.040	2.851	13.3	21.2
12 23	8 6.77	+15 18.2	1.970	2.862	10.0	21.0
1 2	7 59.18	+15 34.1	1.923	2.872	6.3	20.8
1 12	7 50.26	+15 56.8	1.905	2.883	2.5	20.6
1 22	7 40.98	+16 23.6	1.916	2.893	2.9	20.6
2 1	7 32.37	+16 51.6	1.957	2.903	6.6	20.9
2 11	7 25.37	+17 18.3	2.025	2.913	10.1	21.1
2 21	7 20.57	+17 42.0	2.117	2.923	13.2	21.3

521005 2015 BS_{552} 1 15.7 228.°85 2.°0/16.8 17

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 13	8 9.94	+13 34.1	2.494	3.295	11.5	22.4
12 23	8 4.84	+13 38.4	2.403	3.288	8.7	22.2
1 2	7 57.98	+13 51.1	2.336	3.281	5.6	22.0
1 12	7 49.94	+14 11.1	2.299	3.274	2.7	21.8
1 22	7 41.47	+14 36.3	2.291	3.266	2.8	21.8
2 1	7 33.42	+15 4.4	2.314	3.258	5.9	22.0
2 11	7 26.58	+15 33.2	2.365	3.250	9.0	22.1
2 21	7 21.54	+16 0.7	2.441	3.242	11.8	22.3

492822 2014 QO_{282} 1 15.7 58.°27 5.°9/13.1 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 13	8 16.22	+31 21.5	1.543	2.381	15.5	20.7
12 23	8 10.67	+32 55.5	1.490	2.394	11.7	20.5
1 2	8 1.94	+34 27.3	1.460	2.408	8.0	20.3
1 12	7 51.09	+35 46.6	1.457	2.421	5.9	20.2
1 22	7 39.61	+36 45.2	1.481	2.435	7.3	20.3
2 1	7 29.22	+37 19.0	1.532	2.449	10.7	20.5
2 11	7 21.34	+37 29.4	1.607	2.463	14.2	20.8
2 21	7 16.80	+37 20.7	1.701	2.477	17.2	21.0

337813 2001 UX_{229} 1 15.7 178.°89 3.°1/17.5 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 13	8 8.82	+ 9 22.0	2.541	3.330	11.6	21.3
12 23	8 3.93	+ 9 29.9	2.456	3.330	9.1	21.2
1 2	7 57.39	+ 9 49.1	2.396	3.331	6.2	21.0
1 12	7 49.77	+10 18.7	2.364	3.331	3.6	20.8
1 22	7 41.78	+10 56.6	2.361	3.331	3.5	20.8
2 1	7 34.21	+11 40.1	2.389	3.331	5.9	21.0
2 11	7 27.80	+12 26.1	2.446	3.330	8.8	21.2
2 21	7 23.11	+13 11.8	2.527	3.330	11.4	21.3

55477 Soroban 1 15.7 142.°43 0.°0/15.7 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 13	8 10.35	+19 43.3	2.860	3.669	9.9	19.8
12 23	8 4.88	+20 4.3	2.784	3.678	7.3	19.7
1 2	7 57.87	+20 29.2	2.735	3.688	4.4	19.5
1 12	7 49.88	+20 55.7	2.715	3.697	1.2	19.3
1 22	7 41.62	+21 21.6	2.727	3.705	2.0	19.4
2 1	7 33.81	+21 44.6	2.770	3.713	5.1	19.6
2 11	7 27.16	+22 3.6	2.842	3.721	7.9	19.8
2 21	7 22.14	+22 18.1	2.940	3.728	10.3	20.0

427914 2005 UF_{314} 1 15.7 122.°11 9.°0/18.4 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 13	8 20.20	+ 2 35.2	1.323	2.108	20.5	20.7
12 23	8 13.35	+ 1 33.1	1.265	2.124	16.8	20.5
1 2	8 3.41	+ 0 55.0	1.226	2.141	12.8	20.4
1 12	7 51.47	+ 0 44.7	1.211	2.156	9.7	20.2
1 22	7 39.04	+ 1 1.9	1.222	2.170	9.2	20.2
2 1	7 27.77	+ 1 43.0	1.258	2.184	11.6	20.4
2 11	7 19.03	+ 2 40.4	1.318	2.197	15.1	20.6
2 21	7 13.61	+ 3 46.0	1.398	2.209	18.6	20.9

128659 2004 RC_{52} 1 15.7 77.°88 0.°9/15.4 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 13	8 13.44	+21 50.5	1.901	2.726	13.5	20.1
12 23	8 7.80	+22 19.7	1.838	2.741	10.0	19.9
1 2	7 59.85	+22 53.4	1.799	2.755	5.9	19.6
1 12	7 50.46	+23 27.4	1.788	2.769	1.7	19.4
1 22	7 40.69	+23 57.5	1.806	2.783	3.0	19.5
2 1	7 31.74	+24 20.8	1.854	2.797	7.1	19.8
2 11	7 24.60	+24 36.2	1.928	2.811	10.8	20.0
2 21	7 19.93	+24 43.8	2.025	2.825	13.9	20.3

146612 2001 TJ_{208} 1 15.7 23.°39 1.°3/16.3 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 13	8 10.83	+15 18.5	1.591	2.419	15.6	19.4
12 23	8 6.30	+15 52.1	1.521	2.423	11.7	19.1
1 2	7 59.18	+16 38.9	1.474	2.428	7.2	18.9
1 12	7 50.32	+17 35.1	1.453	2.433	2.5	18.6
1 22	7 40.89	+18 35.2	1.459	2.438	3.1	18.7
2 1	7 32.23	+19 33.8	1.494	2.444	7.8	19.0
2 11	7 25.52	+20 26.6	1.554	2.450	12.1	19.2
2 21	7 21.53	+21 11.0	1.636	2.457	15.8	19.5

368588 Lazrek 1 15.8 184.°86 3.°5/14.3 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 13	8 18.26	+33 2.6	2.698	3.504	10.5	21.6
12 23	8 10.93	+33 24.0	2.616	3.504	8.0	21.5
1 2	8 1.58	+33 40.5	2.562	3.504	5.4	21.3
1 12	7 50.94	+33 48.1	2.537	3.502	3.6	21.2
1 22	7 39.95	+33 43.9	2.543	3.501	4.4	21.2
2 1	7 29.62	+33 27.0	2.580	3.498	6.8	21.4
2 11	7 20.85	+32 58.8	2.646	3.495	9.5	21.6
2 21	7 14.24	+32 21.9	2.736	3.491	11.9	21.7

29354 1995 OR_1 1 15.8 141.°08 0.°3/15.6 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 13	8 10.81	+20 56.9	2.657	3.470	10.5	19.5
12 23	8 5.35	+21 20.2	2.581	3.478	7.7	19.3
1 2	7 58.21	+21 47.1	2.531	3.485	4.6	19.1
1 12	7 50.01	+22 15.0	2.511	3.492	1.3	18.9
1 22	7 41.49	+22 41.1	2.522	3.499	2.2	19.0
2 1	7 33.46	+23 3.3	2.564	3.506	5.5	19.2
2 11	7 26.69	+23 20.3	2.634	3.512	8.5	19.4
2 21	7 21.69	+23 31.9	2.729	3.518	11.0	19.6

466955 2016 AF_{129} 1 15.8 75.°72 0.°4/15.9 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 13	8 11.37	+16 17.0	1.933	2.752	13.6	20.8
12 23	8 6.35	+17 10.8	1.858	2.756	10.2	20.6
1 2	7 59.08	+18 15.8	1.808	2.761	6.2	20.4
1 12	7 50.29	+19 27.6	1.785	2.766	1.8	20.1
1 22	7 40.98	+20 40.7	1.792	2.771	2.7	20.2
2 1	7 32.26	+21 49.7	1.829	2.776	7.0	20.4
2 11	7 25.17	+22 50.7	1.894	2.781	10.8	20.7
2 21	7 20.44	+23 41.9	1.981	2.786	14.1	20.9

503681 2016 HL_8 1 15.8 160.°94 1.°3/14.9 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 13	8 10.65	+23 3.1	2.779	3.593	10.0	21.4
12 23	8 5.27	+23 52.6	2.700	3.598	7.4	21.3
1 2	7 58.20	+24 45.2	2.648	3.602	4.4	21.1
1 12	7 50.02	+25 37.4	2.626	3.606	1.6	20.9
1 22	7 41.45	+26 25.5	2.636	3.609	2.7	21.0
2 1	7 33.31	+27 6.8	2.676	3.612	5.7	21.2
2 11	7 26.35	+27 39.5	2.746	3.615	8.5	21.4
2 21	7 21.13	+28 3.7	2.840	3.618	10.9	21.5

333098 2011 UA_{274} 1 15.8 330.°65 0.°4/15.9 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 13	8 13.77	+20 7.8	1.358	2.200	17.0	20.7
12 23	8 9.02	+20 2.1	1.281	2.191	12.8	20.4
1 2	8 1.08	+20 3.2	1.225	2.183	7.8	20.1
1 12	7 50.91	+20 8.0	1.194	2.175	2.3	19.7
1 22	7 39.95	+20 12.9	1.189	2.168	3.6	19.8
2 1	7 29.88	+20 15.3	1.210	2.161	9.1	20.1
2 11	7 22.22	+20 13.9	1.255	2.155	14.1	20.4
2 21	7 17.87	+20 8.4	1.321	2.150	18.4	20.6

48456 Wilhelmwien 1 15.8 272.°42 7.°7/12.5 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 13	8 20.48	+44 38.1	2.285	3.081	12.5	19.1
12 23	8 13.32	+45 24.0	2.211	3.073	10.4	18.9
1 2	8 3.33	+45 57.4	2.160	3.065	8.6	18.8
1 12	7 51.47	+46 11.0	2.136	3.057	7.7	18.7
1 22	7 39.10	+46 0.7	2.139	3.049	8.4	18.8
2 1	7 27.69	+45 25.6	2.170	3.041	10.3	18.9
2 11	7 18.53	+44 29.4	2.225	3.032	12.5	19.0
2 21	7 12.38	+43 17.6	2.301	3.024	14.7	19.1

80919 2000 DG_{68} 1 15.8 69.°85 6.°2/18.9 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 13	8 12.02	+ 3 17.7	1.644	2.429	17.1	19.0
12 23	8 6.88	+ 3 20.4	1.583	2.447	13.7	18.8
1 2	7 59.37	+ 3 45.4	1.543	2.464	10.1	18.7
1 12	7 50.36	+ 4 32.5	1.528	2.482	7.0	18.5
1 22	7 40.96	+ 5 38.2	1.540	2.500	6.3	18.5
2 1	7 32.38	+ 6 56.6	1.580	2.517	8.7	18.7
2 11	7 25.67	+ 8 20.9	1.646	2.535	12.0	18.9
2 21	7 21.50	+ 9 44.4	1.734	2.553	15.2	19.2

334014 2000 VD_{44} 1 15.8 95.°58 5.°3/17.9 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 13	8 12.57	+ 6 7.7	2.032	2.814	14.4	20.9
12 23	8 6.89	+ 5 34.1	1.965	2.828	11.5	20.7
1 2	7 59.22	+ 5 15.0	1.921	2.843	8.4	20.6
1 12	7 50.30	+ 5 11.1	1.903	2.857	5.9	20.4
1 22	7 41.07	+ 5 21.8	1.915	2.872	5.6	20.5
2 1	7 32.52	+ 5 44.7	1.954	2.886	7.8	20.6
2 11	7 25.54	+ 6 16.4	2.021	2.899	10.6	20.8
2 21	7 20.71	+ 6 52.9	2.111	2.913	13.4	21.0

520891 2014 WS_{525} 1 15.8 87.°71 5.°1/18.6 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 13	8 10.48	+ 4 11.8	1.990	2.769	14.7	21.6
12 23	8 5.48	+ 4 21.4	1.918	2.780	11.8	21.5
1 2	7 58.45	+ 4 49.5	1.869	2.791	8.6	21.3
1 12	7 50.12	+ 5 35.5	1.846	2.801	5.9	21.1
1 22	7 41.38	+ 6 36.7	1.851	2.812	5.3	21.1
2 1	7 33.25	+ 7 48.3	1.885	2.822	7.5	21.3
2 11	7 26.65	+ 9 4.9	1.947	2.833	10.6	21.5
2 21	7 22.18	+10 21.4	2.032	2.843	13.5	21.7

319526 2006 RB_{45} 1 15.8 79.°19 0.°1/15.7 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 13	8 14.95	+19 46.9	1.678	2.505	15.0	21.6
12 23	8 9.12	+20 9.1	1.618	2.521	11.1	21.3
1 2	8 0.74	+20 38.2	1.581	2.537	6.6	21.1
1 12	7 50.76	+21 9.8	1.571	2.553	1.8	20.8
1 22	7 40.39	+21 39.8	1.590	2.568	3.0	21.0
2 1	7 30.96	+22 4.9	1.637	2.584	7.6	21.3
2 11	7 23.59	+22 23.2	1.711	2.600	11.7	21.6
2 21	7 18.95	+22 34.6	1.807	2.615	15.0	21.8

379129 2009 BV_{183} 1 15.8 343.°17 7.°4/11.7 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 13	8 11.76	+36 22.5	1.725	2.562	14.2	19.9
12 23	8 7.53	+37 58.5	1.653	2.551	11.2	19.7
1 2	8 0.23	+39 30.2	1.605	2.541	8.6	19.5
1 12	7 50.72	+40 47.6	1.583	2.531	7.4	19.5
1 22	7 40.31	+41 42.7	1.587	2.523	8.7	19.5
2 1	7 30.64	+42 11.0	1.617	2.515	11.5	19.7
2 11	7 23.21	+42 13.5	1.670	2.509	14.6	19.8
2 21	7 18.98	+41 54.3	1.742	2.503	17.4	20.0

264230 2010 SP_{10} 1 15.8 129.°55 8.°2/19.1 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 13	8 12.10	− 0 18.1	1.856	2.617	16.3	21.0
12 23	8 6.84	− 1 5.0	1.782	2.621	13.6	20.8
1 2	7 59.35	− 1 31.6	1.729	2.626	10.9	20.7
1 12	7 50.40	− 1 35.1	1.700	2.630	8.7	20.5
1 22	7 40.96	− 1 15.4	1.698	2.634	8.3	20.5
2 1	7 32.16	− 0 34.9	1.723	2.638	9.8	20.6
2 11	7 25.00	+ 0 21.0	1.773	2.641	12.4	20.8
2 21	7 20.16	+ 1 26.3	1.845	2.645	15.1	21.0

427304 2014 WE_{266} 1 15.8 145.°47 0.°1/15.7 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 13	8 12.24	+18 35.2	1.980	2.800	13.3	20.7
12 23	8 6.99	+19 20.1	1.903	2.803	9.9	20.5
1 2	7 59.48	+20 13.6	1.851	2.805	5.9	20.2
1 12	7 50.44	+21 11.4	1.826	2.808	1.6	20.0
1 22	7 40.87	+22 8.4	1.832	2.810	2.8	20.0
2 1	7 31.90	+23 0.4	1.867	2.812	7.0	20.3
2 11	7 24.57	+23 44.4	1.929	2.814	10.8	20.6
2 21	7 19.59	+24 19.3	2.015	2.816	14.0	20.8

202809 2008 SQ_{33} 1 15.8 102.°31 0.°2/15.7 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 13	8 12.78	+20 45.3	2.091	2.911	12.7	20.9
12 23	8 7.18	+21 1.2	2.019	2.919	9.4	20.7
1 2	7 59.47	+21 21.6	1.972	2.927	5.6	20.5
1 12	7 50.41	+21 43.5	1.954	2.935	1.5	20.2
1 22	7 40.97	+22 3.7	1.965	2.943	2.6	20.3
2 1	7 32.21	+22 19.8	2.005	2.950	6.6	20.6
2 11	7 25.07	+22 30.5	2.073	2.958	10.1	20.8
2 21	7 20.19	+22 35.8	2.165	2.965	13.2	21.0

45714 2000 FV_{58} 1 15.8 112.°98 3.°2/17.6 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 13	8 9.78	+ 9 6.2	2.344	3.133	12.5	19.1
12 23	8 4.73	+ 9 16.7	2.268	3.142	9.7	18.9
1 2	7 57.91	+ 9 39.7	2.216	3.151	6.6	18.7
1 12	7 49.97	+10 13.9	2.193	3.160	3.9	18.6
1 22	7 41.69	+10 56.9	2.199	3.169	3.6	18.6
2 1	7 33.91	+11 45.5	2.235	3.177	6.2	18.7
2 11	7 27.44	+12 36.2	2.300	3.185	9.2	18.9
2 21	7 22.82	+13 25.8	2.389	3.194	11.9	19.1

193989 2001 RC_{141} 1 15.8 119.°76 3.°3/14.5 17

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 13	8 19.98	+27 11.7	1.697	2.523	14.9	21.1
12 23	8 12.99	+28 3.8	1.639	2.540	11.0	20.9
1 2	8 3.13	+28 56.2	1.604	2.557	6.9	20.7
1 12	7 51.44	+29 41.7	1.597	2.573	3.5	20.5
1 22	7 39.31	+30 14.6	1.620	2.588	4.9	20.6
2 1	7 28.25	+30 31.9	1.671	2.603	8.8	20.9
2 11	7 19.51	+30 34.3	1.747	2.617	12.5	21.1
2 21	7 13.84	+30 24.6	1.846	2.630	15.7	21.4

305046 2007 UL_{16} 1 15.8 309.°18 2.°0/15.1 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 13	8 14.21	+24 4.0	1.453	2.295	16.1	20.8
12 23	8 9.38	+24 34.8	1.372	2.283	12.0	20.5
1 2	8 1.35	+25 10.5	1.313	2.271	7.3	20.2
1 12	7 51.05	+25 45.2	1.280	2.260	2.7	19.9
1 22	7 39.85	+26 12.9	1.273	2.249	4.3	20.0
2 1	7 29.45	+26 29.5	1.294	2.238	9.4	20.2
2 11	7 21.40	+26 33.9	1.338	2.228	14.2	20.5
2 21	7 16.66	+26 27.4	1.402	2.218	18.2	20.7

400011 2006 JF_{81} 1 15.8 153.°54 0.°8/16.1 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 13	8 15.28	+17 7.5	2.065	2.874	13.2	22.1
12 23	8 9.04	+17 26.7	1.990	2.883	9.9	21.9
1 2	8 0.61	+17 53.6	1.939	2.891	6.0	21.7
1 12	7 50.74	+18 25.4	1.918	2.898	2.0	21.5
1 22	7 40.45	+18 58.5	1.927	2.905	2.6	21.5
2 1	7 30.82	+19 29.8	1.965	2.911	6.7	21.8
2 11	7 22.85	+19 57.2	2.032	2.916	10.3	22.0
2 21	7 17.20	+20 19.5	2.123	2.920	13.5	22.2

490363 2009 HA_{24} 1 15.8 165.°25 0.°6/16.1 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 13	8 13.77	+17 0.4	2.010	2.823	13.4	21.8
12 23	8 8.05	+17 32.4	1.932	2.827	10.0	21.6
1 2	8 0.09	+18 13.5	1.878	2.831	6.1	21.4
1 12	7 50.62	+19 0.0	1.853	2.834	1.9	21.1
1 22	7 40.64	+19 47.9	1.858	2.836	2.7	21.2
2 1	7 31.27	+20 33.2	1.892	2.838	6.8	21.5
2 11	7 23.55	+21 12.9	1.954	2.840	10.6	21.7
2 21	7 18.16	+21 45.8	2.040	2.841	13.8	21.9

260835 2005 QD_{29} 1 15.8 98.°20 2.°1/16.7 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 13	8 12.44	+14 4.3	1.863	2.676	14.3	20.8
12 23	8 7.12	+14 14.4	1.791	2.683	10.8	20.6
1 2	7 59.53	+14 35.5	1.742	2.690	6.9	20.4
1 12	7 50.46	+15 5.6	1.720	2.697	3.0	20.1
1 22	7 40.94	+15 41.2	1.728	2.704	3.2	20.2
2 1	7 32.11	+16 18.9	1.764	2.711	7.1	20.4
2 11	7 25.00	+16 55.4	1.827	2.718	10.9	20.7
2 21	7 20.29	+17 28.4	1.913	2.725	14.2	20.9

380063 2013 SO_{15} 1 15.8 13.°46 0.°9/16.2 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 13	8 11.24	+17 28.1	1.933	2.755	13.5	21.0
12 23	8 6.24	+17 38.4	1.856	2.755	10.1	20.8
1 2	7 59.01	+17 56.5	1.803	2.756	6.2	20.6
1 12	7 50.32	+18 19.9	1.777	2.757	2.1	20.3
1 22	7 41.15	+18 45.5	1.780	2.759	2.7	20.3
2 1	7 32.63	+19 10.4	1.812	2.760	6.9	20.6
2 11	7 25.76	+19 32.2	1.871	2.762	10.7	20.8
2 21	7 21.21	+19 49.8	1.953	2.764	14.0	21.1

53235 1999 CZ_{117} 1 15.8 266.°31 0.°2/15.9 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 13	8 13.99	+20 9.3	1.902	2.725	13.7	18.6
12 23	8 8.45	+20 11.2	1.813	2.713	10.2	18.3
1 2	8 0.45	+20 18.1	1.748	2.702	6.2	18.1
1 12	7 50.75	+20 27.5	1.710	2.691	1.8	17.7
1 22	7 40.42	+20 36.3	1.701	2.679	2.8	17.8
2 1	7 30.69	+20 42.5	1.721	2.668	7.3	18.0
2 11	7 22.71	+20 44.7	1.768	2.656	11.4	18.3
2 21	7 17.26	+20 42.9	1.838	2.644	14.9	18.5

415456 2014 HQ_{12} 1 15.8 216.°04 0.°4/16.0 15

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 13	8 5.92	+18 34.2	3.859	4.662	7.7	22.6
12 23	8 1.39	+18 46.1	3.765	4.656	5.7	22.5
1 2	7 55.73	+19 1.4	3.699	4.650	3.5	22.3
1 12	7 49.36	+19 18.7	3.663	4.643	1.1	22.1
1 22	7 42.74	+19 36.6	3.658	4.636	1.5	22.1
2 1	7 36.39	+19 53.7	3.685	4.629	3.9	22.3
2 11	7 30.79	+20 9.1	3.742	4.621	6.2	22.5
2 21	7 26.34	+20 21.9	3.825	4.614	8.1	22.6

311031 2004 BM_{35} 1 15.8 48.°35 1.°5/15.3 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 13	8 16.86	+23 16.4	1.311	2.154	17.4	19.9
12 23	8 10.96	+23 37.1	1.267	2.178	12.8	19.7
1 2	8 1.95	+24 1.6	1.245	2.203	7.6	19.4
1 12	7 51.11	+24 24.2	1.247	2.228	2.4	19.2
1 22	7 40.02	+24 39.9	1.277	2.254	3.9	19.4
2 1	7 30.34	+24 46.4	1.333	2.280	8.9	19.7
2 11	7 23.32	+24 43.7	1.414	2.307	13.3	20.0
2 21	7 19.59	+24 33.3	1.515	2.333	17.0	20.3

85124 1978 VF_{8} 1 15.8 86.°41 4.°5/14.1 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 13	8 19.55	+28 8.1	1.399	2.238	16.8	19.5
12 23	8 13.20	+29 20.3	1.348	2.256	12.5	19.3
1 2	8 3.48	+30 32.7	1.320	2.273	8.0	19.0
1 12	7 51.59	+31 35.5	1.317	2.291	4.6	18.9
1 22	7 39.18	+32 21.0	1.342	2.308	6.2	19.0
2 1	7 28.06	+32 45.5	1.394	2.325	10.3	19.3
2 11	7 19.72	+32 50.1	1.470	2.342	14.3	19.6
2 21	7 14.91	+32 38.9	1.566	2.358	17.7	19.9

296802 2009 VV_{53} 1 15.8 104.°32 2.°2/14.8 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 13	8 14.13	+25 54.8	1.995	2.822	12.9	20.9
12 23	8 8.39	+26 29.3	1.925	2.828	9.6	20.7
1 2	8 0.30	+27 5.0	1.880	2.835	5.9	20.5
1 12	7 50.69	+27 37.1	1.863	2.841	2.6	20.3
1 22	7 40.64	+28 1.3	1.875	2.848	3.8	20.4
2 1	7 31.33	+28 15.2	1.917	2.854	7.5	20.6
2 11	7 23.84	+28 18.3	1.985	2.860	11.0	20.9
2 21	7 18.82	+28 12.2	2.075	2.866	14.0	21.1

338384 2003 AA_{1} 1 15.8 306.°91 1.°0/16.1 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 13	8 12.30	+19 13.5	2.146	2.963	12.5	20.0
12 23	8 6.99	+18 50.5	2.044	2.942	9.4	19.7
1 2	7 59.50	+18 30.8	1.967	2.920	5.8	19.5
1 12	7 50.49	+18 13.3	1.918	2.898	2.0	19.2
1 22	7 40.89	+17 56.9	1.899	2.877	2.7	19.2
2 1	7 31.76	+17 40.6	1.910	2.856	6.7	19.4
2 11	7 24.12	+17 24.1	1.947	2.835	10.5	19.6
2 21	7 18.68	+17 7.4	2.009	2.815	13.8	19.8

53328 1999 JS_{26} 1 15.8 7.°35 11.°4/11.1 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 13	8 12.29	+40 9.6	1.158	2.012	18.4	17.3
12 23	8 9.09	+42 10.7	1.112	2.014	15.1	17.1
1 2	8 1.63	+43 59.2	1.087	2.017	12.3	16.9
1 12	7 51.18	+45 20.0	1.083	2.022	11.4	16.9
1 22	7 39.82	+46 2.5	1.102	2.028	12.7	17.0
2 1	7 29.96	+46 3.9	1.142	2.037	15.6	17.2
2 11	7 23.57	+45 29.6	1.202	2.047	18.7	17.4
2 21	7 21.56	+44 29.0	1.278	2.058	21.6	17.6

312265 2008 AF_{29} 1 15.8 50.°59 3.°1/14.1 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 13	8 14.18	+22 48.9	1.473	2.313	16.0	19.9
12 23	8 9.17	+24 32.5	1.414	2.324	11.8	19.7
1 2	8 1.11	+26 24.6	1.379	2.337	7.2	19.5
1 12	7 50.97	+28 15.4	1.371	2.349	3.3	19.3
1 22	7 40.14	+29 54.5	1.391	2.362	5.2	19.4
2 1	7 30.22	+31 14.5	1.439	2.375	9.6	19.7
2 11	7 22.63	+32 12.7	1.512	2.388	13.7	20.0
2 21	7 18.22	+32 50.4	1.606	2.401	17.2	20.2

318002 2004 CZ_{41} 1 15.8 39.°59 3.°8/14.2 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 13	8 14.35	+25 25.8	1.260	2.111	17.5	19.8
12 23	8 9.49	+26 45.3	1.215	2.130	12.9	19.6
1 2	8 1.31	+28 8.6	1.192	2.150	7.9	19.4
1 12	7 51.00	+29 25.5	1.193	2.170	4.0	19.2
1 22	7 40.20	+30 27.4	1.221	2.192	5.8	19.4
2 1	7 30.70	+31 9.1	1.275	2.214	10.2	19.7
2 11	7 23.94	+31 30.5	1.352	2.236	14.5	20.0
2 21	7 20.65	+31 34.6	1.449	2.259	18.0	20.3

229234 2004 XN_{65} 1 15.8 84.°88 1.°0/15.4 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 13	8 13.33	+22 37.3	2.011	2.835	13.0	20.6
12 23	8 7.67	+23 0.2	1.944	2.846	9.6	20.4
1 2	7 59.81	+23 26.5	1.902	2.857	5.7	20.2
1 12	7 50.55	+23 52.3	1.887	2.868	1.7	20.0
1 22	7 40.91	+24 14.2	1.902	2.879	3.0	20.1
2 1	7 32.02	+24 29.6	1.947	2.890	6.9	20.4
2 11	7 24.86	+24 37.8	2.018	2.900	10.5	20.6
2 21	7 20.06	+24 38.9	2.112	2.911	13.5	20.8

267510 2002 NO_{15} 1 15.8 183.°09 2.°2/14.9 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 13	8 19.92	+24 52.2	1.782	2.603	14.5	22.0
12 23	8 13.02	+25 30.1	1.704	2.605	10.8	21.8
1 2	8 3.27	+26 10.8	1.651	2.605	6.6	21.6
1 12	7 51.57	+26 48.4	1.626	2.605	2.6	21.3
1 22	7 39.21	+27 17.4	1.630	2.603	4.0	21.4
2 1	7 27.66	+27 34.6	1.664	2.601	8.4	21.7
2 11	7 18.26	+27 39.7	1.724	2.598	12.4	21.9
2 21	7 11.82	+27 34.4	1.806	2.594	15.9	22.1

188473 2004 LC_{27} 1 15.8 151.°34 2.°8/17.2 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 13	8 12.18	+10 38.2	2.597	3.382	11.5	21.2
12 23	8 6.32	+10 37.3	2.519	3.393	8.9	21.1
1 2	7 58.82	+10 46.0	2.466	3.402	6.0	20.9
1 12	7 50.26	+11 3.4	2.443	3.411	3.4	20.7
1 22	7 41.40	+11 27.8	2.449	3.420	3.3	20.7
2 1	7 33.03	+11 57.0	2.487	3.427	5.8	20.9
2 11	7 25.89	+12 28.4	2.554	3.434	8.6	21.1
2 21	7 20.51	+13 0.0	2.646	3.441	11.2	21.3

302512 2002 HJ_{2} 1 15.8 316.°32 5.°2/13.7 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 13	8 15.69	+29 48.0	1.466	2.308	15.9	20.2
12 23	8 10.63	+31 0.5	1.394	2.302	12.1	20.0
1 2	8 2.18	+32 13.8	1.345	2.297	8.0	19.7
1 12	7 51.33	+33 18.4	1.321	2.292	5.3	19.5
1 22	7 39.57	+34 5.8	1.325	2.287	6.8	19.6
2 1	7 28.72	+34 31.2	1.354	2.282	10.8	19.8
2 11	7 20.41	+34 34.7	1.407	2.277	14.9	20.1
2 21	7 15.61	+34 20.3	1.479	2.273	18.5	20.3

154385 2003 AS_{6} 1 15.8 249.°00 2.°3/14.8 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 13	8 15.90	+22 54.9	1.504	2.340	15.9	20.0
12 23	8 10.60	+23 57.1	1.424	2.332	11.9	19.7
1 2	8 2.12	+25 7.6	1.367	2.324	7.2	19.4
1 12	7 51.32	+26 19.0	1.337	2.317	2.8	19.1
1 22	7 39.57	+27 23.4	1.334	2.308	4.6	19.2
2 1	7 28.55	+28 14.2	1.359	2.300	9.5	19.5
2 11	7 19.82	+28 49.1	1.409	2.292	14.1	19.7
2 21	7 14.38	+29 8.7	1.480	2.283	18.0	20.0

57794 2001 VK_{97} 1 15.8 121.°09 1.°3/16.7 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 13	8 9.68	+12 53.7	2.580	3.378	11.2	19.2
12 23	8 4.61	+13 46.0	2.500	3.385	8.5	19.0
1 2	7 57.87	+14 48.9	2.445	3.391	5.3	18.8
1 12	7 50.02	+15 59.5	2.420	3.397	2.1	18.6
1 22	7 41.78	+17 13.8	2.426	3.404	2.3	18.6
2 1	7 33.94	+18 27.6	2.464	3.410	5.5	18.9
2 11	7 27.29	+19 37.4	2.532	3.416	8.6	19.1
2 21	7 22.36	+20 40.5	2.625	3.421	11.2	19.3

54604 2000 RG_{18} 1 15.8 270.°41 1.°4/15.2 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 13	8 12.84	+25 44.5	2.449	3.267	11.1	19.2
12 23	8 7.15	+25 50.1	2.357	3.256	8.3	19.0
1 2	7 59.47	+25 55.5	2.291	3.244	5.0	18.8
1 12	7 50.48	+25 58.0	2.253	3.233	1.9	18.5
1 22	7 41.04	+25 55.1	2.247	3.221	2.9	18.6
2 1	7 32.12	+25 45.5	2.270	3.209	6.3	18.8
2 11	7 24.63	+25 29.3	2.321	3.198	9.6	19.0
2 21	7 19.18	+25 7.6	2.397	3.186	12.4	19.2

155274 2005 WM_{146} 1 15.8 35.°68 1.°2/15.3 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 13	8 13.39	+23 3.7	1.805	2.635	13.9	20.7
12 23	8 8.04	+23 27.6	1.732	2.638	10.3	20.5
1 2	8 0.19	+23 55.3	1.684	2.640	6.2	20.2
1 12	7 50.70	+24 22.4	1.662	2.643	2.0	19.9
1 22	7 40.71	+24 44.9	1.669	2.646	3.3	20.1
2 1	7 31.48	+24 59.8	1.705	2.649	7.6	20.3
2 11	7 24.16	+25 6.3	1.767	2.652	11.6	20.6
2 21	7 19.46	+25 4.9	1.851	2.655	14.9	20.8

236025 2005 GN_{133} 1 15.8 206.°92 2.°5/14.4 17

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 13	8 12.12	+28 9.5	2.701	3.518	10.2	21.4
12 23	8 6.51	+28 48.8	2.617	3.514	7.6	21.3
1 2	7 59.05	+29 27.8	2.559	3.509	4.8	21.1
1 12	7 50.36	+30 2.6	2.530	3.504	2.6	20.9
1 22	7 41.24	+30 29.8	2.533	3.499	3.6	21.0
2 1	7 32.58	+30 47.1	2.566	3.494	6.3	21.1
2 11	7 25.22	+30 54.3	2.626	3.488	9.1	21.3
2 21	7 19.75	+30 52.1	2.711	3.482	11.6	21.5

215771 2004 GR_{18} 1 15.8 311.°05 4.°2/17.9 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 13	8 8.01	+ 7 24.9	2.130	2.922	13.4	20.5
12 23	8 3.78	+ 7 26.3	2.034	2.907	10.7	20.3
1 2	7 57.58	+ 7 42.6	1.961	2.893	7.6	20.1
1 12	7 49.99	+ 8 13.7	1.915	2.878	4.9	19.9
1 22	7 41.84	+ 8 57.6	1.897	2.864	4.5	19.9
2 1	7 34.08	+ 9 51.2	1.909	2.850	7.1	20.0
2 11	7 27.64	+10 50.1	1.947	2.837	10.4	20.2
2 21	7 23.20	+11 50.2	2.009	2.823	13.5	20.3

463366 2012 TX_{159} 1 15.8 209.°61 4.°5/18.5 17

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 13	8 8.92	+ 3 13.7	2.963	3.717	10.9	22.3
12 23	8 3.87	+ 3 5.4	2.867	3.710	8.9	22.1
1 2	7 57.36	+ 3 9.5	2.795	3.703	6.7	22.0
1 12	7 49.89	+ 3 26.4	2.751	3.695	5.0	21.9
1 22	7 42.05	+ 3 55.2	2.737	3.687	4.7	21.8
2 1	7 34.53	+ 4 34.1	2.754	3.678	6.1	21.9
2 11	7 27.97	+ 5 20.2	2.799	3.669	8.3	22.0
2 21	7 22.87	+ 6 10.2	2.869	3.659	10.5	22.2

24293 1999 XW_{191} 1 15.8 107.°77 3.°4/14.7 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 13	8 21.91	+27 28.5	1.543	2.372	16.0	18.8
12 23	8 14.58	+28 12.3	1.490	2.393	11.9	18.6
1 2	8 4.15	+28 55.5	1.459	2.413	7.4	18.4
1 12	7 51.79	+29 30.8	1.456	2.432	3.7	18.2
1 22	7 39.06	+29 52.5	1.481	2.451	5.0	18.3
2 1	7 27.61	+29 58.3	1.534	2.469	9.2	18.6
2 11	7 18.77	+29 49.7	1.613	2.486	13.2	18.9
2 21	7 13.25	+29 30.1	1.713	2.503	16.5	19.1

285610 2000 QD_{213} 1 15.8 77.°82 2.°6/16.9 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 13	8 14.47	+12 34.7	1.485	2.304	17.0	20.3
12 23	8 9.02	+12 55.3	1.424	2.319	12.9	20.1
1 2	8 0.84	+13 31.6	1.386	2.334	8.3	19.8
1 12	7 50.89	+14 20.4	1.373	2.350	3.7	19.6
1 22	7 40.48	+15 16.6	1.388	2.365	3.8	19.6
2 1	7 31.03	+16 14.7	1.431	2.380	8.2	19.9
2 11	7 23.75	+17 9.7	1.499	2.395	12.5	20.2
2 21	7 19.36	+17 58.4	1.589	2.410	16.2	20.5

492812 2014 QH_{267} 1 15.8 136.°85 2.°0/16.8 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 13	8 14.08	+13 19.8	2.203	3.001	12.9	22.4
12 23	8 7.99	+13 33.8	2.131	3.015	9.8	22.2
1 2	7 59.93	+13 57.8	2.084	3.028	6.2	22.0
1 12	7 50.61	+14 29.6	2.065	3.041	2.8	21.8
1 22	7 40.94	+15 6.3	2.077	3.053	2.9	21.8
2 1	7 31.89	+15 44.7	2.119	3.064	6.3	22.0
2 11	7 24.36	+16 22.2	2.190	3.074	9.7	22.3
2 21	7 18.93	+16 56.5	2.285	3.084	12.6	22.5

103881 2000 DS_{49} 1 15.8 142.°10 3.°4/17.7 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 13	8 9.87	+ 8 26.4	2.463	3.248	12.1	20.3
12 23	8 4.76	+ 8 34.4	2.384	3.254	9.4	20.2
1 2	7 57.96	+ 8 54.5	2.328	3.260	6.5	20.0
1 12	7 50.07	+ 9 25.9	2.301	3.267	4.0	19.8
1 22	7 41.83	+10 6.4	2.304	3.272	3.7	19.8
2 1	7 34.05	+10 53.1	2.337	3.278	6.1	20.0
2 11	7 27.50	+11 42.6	2.399	3.283	9.0	20.2
2 21	7 22.73	+12 31.8	2.485	3.288	11.6	20.4

343455 2010 EO_{39} 1 15.8 277.°63 2.°7/17.3 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 13	8 9.02	+10 44.8	2.288	3.086	12.4	20.4
12 23	8 4.35	+11 2.0	2.201	3.083	9.6	20.2
1 2	7 57.83	+11 31.3	2.138	3.079	6.4	20.0
1 12	7 50.06	+12 11.3	2.103	3.075	3.4	19.8
1 22	7 41.83	+12 59.3	2.097	3.071	3.3	19.8
2 1	7 34.04	+13 51.8	2.122	3.067	6.2	20.0
2 11	7 27.53	+14 45.2	2.174	3.063	9.5	20.1
2 21	7 22.92	+15 36.5	2.251	3.059	12.5	20.3

343315 2010 BK_{61} 1 15.8 124.°76 7.°0/19.6 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 13	8 8.81	− 2 39.0	2.599	3.330	12.9	21.2
12 23	8 3.89	− 3 17.1	2.521	3.336	10.9	21.1
1 2	7 57.40	− 3 38.7	2.466	3.343	8.9	21.0
1 12	7 49.91	− 3 42.2	2.437	3.349	7.4	20.9
1 22	7 42.11	− 3 27.4	2.435	3.355	7.0	20.9
2 1	7 34.73	− 2 56.1	2.461	3.361	8.0	21.0
2 11	7 28.49	− 2 11.7	2.514	3.366	9.8	21.1
2 21	7 23.90	− 1 18.4	2.591	3.372	11.8	21.2

32225 2000 OL_{23} 1 15.8 236.°75 0.°1/15.9 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 13	8 10.43	+19 21.9	2.556	3.368	10.9	19.6
12 23	8 5.28	+19 41.5	2.464	3.360	8.1	19.4
1 2	7 58.35	+20 6.1	2.399	3.352	4.9	19.1
1 12	7 50.21	+20 33.5	2.362	3.343	1.4	18.9
1 22	7 41.62	+21 0.8	2.357	3.335	2.2	18.9
2 1	7 33.45	+21 25.7	2.381	3.326	5.7	19.2
2 11	7 26.51	+21 46.4	2.434	3.316	8.9	19.3
2 21	7 21.39	+22 2.4	2.512	3.307	11.7	19.5

364635 2007 TZ_{103} 1 15.8 339.°92 4.°8/13.9 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 13	8 14.01	+28 40.3	1.388	2.236	16.3	20.5
12 23	8 9.48	+29 47.7	1.318	2.230	12.3	20.3
1 2	8 1.55	+30 57.0	1.269	2.224	8.0	20.0
1 12	7 51.21	+31 59.0	1.246	2.219	4.9	19.8
1 22	7 39.97	+32 45.2	1.249	2.214	6.5	19.9
2 1	7 29.67	+33 10.7	1.277	2.210	10.8	20.1
2 11	7 21.93	+33 15.2	1.329	2.207	15.1	20.4
2 21	7 17.74	+33 2.3	1.400	2.204	18.8	20.6

149940 2005 ST_{219} 1 15.8 272.°55 1.°4/15.3 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 13	8 14.49	+23 57.4	1.832	2.661	13.8	20.4
12 23	8 8.91	+24 16.4	1.753	2.657	10.3	20.2
1 2	8 0.78	+24 38.1	1.698	2.654	6.2	20.0
1 12	7 50.92	+24 58.3	1.670	2.650	2.1	19.7
1 22	7 40.49	+25 13.0	1.671	2.647	3.4	19.8
2 1	7 30.79	+25 19.8	1.700	2.643	7.7	20.0
2 11	7 23.00	+25 18.0	1.756	2.639	11.7	20.2
2 21	7 17.87	+25 8.8	1.834	2.636	15.1	20.5

442651 2012 TR_{132} 1 15.8 81.°61 1.°7/15.5 17

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 13	8 23.37	+25 21.9	1.298	2.133	18.0	21.1
12 23	8 15.88	+25 17.9	1.246	2.153	13.4	20.9
1 2	8 4.98	+25 13.8	1.217	2.174	8.0	20.7
1 12	7 52.04	+25 4.7	1.213	2.194	2.6	20.4
1 22	7 38.86	+24 47.3	1.237	2.214	4.1	20.6
2 1	7 27.27	+24 21.1	1.288	2.233	9.4	20.9
2 11	7 18.67	+23 48.4	1.363	2.253	14.0	21.2
2 21	7 13.72	+23 12.2	1.459	2.272	17.8	21.5

256152 2006 VU_{36} 1 15.8 153.°38 2.°5/14.6 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 13	8 15.57	+25 52.9	2.002	2.826	13.0	20.8
12 23	8 9.54	+26 43.1	1.930	2.831	9.7	20.6
1 2	8 1.08	+27 35.3	1.883	2.836	5.9	20.4
1 12	7 51.00	+28 23.8	1.864	2.841	2.8	20.2
1 22	7 40.39	+29 3.5	1.875	2.845	4.1	20.3
2 1	7 30.49	+29 31.2	1.916	2.849	7.7	20.5
2 11	7 22.42	+29 46.1	1.983	2.853	11.2	20.8
2 21	7 16.89	+29 49.6	2.073	2.856	14.2	21.0

498012 2007 EF_{147} 1 15.8 274.°60 2.°8/17.1 17

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 13	8 11.03	+11 42.4	2.012	2.816	13.7	22.4
12 23	8 6.20	+11 52.7	1.914	2.800	10.6	22.1
1 2	7 59.14	+12 16.0	1.840	2.783	7.0	21.9
1 12	7 50.50	+12 51.0	1.793	2.766	3.6	21.6
1 22	7 41.18	+13 34.8	1.775	2.749	3.6	21.6
2 1	7 32.26	+14 23.9	1.786	2.732	7.1	21.8
2 11	7 24.81	+15 14.3	1.825	2.715	11.0	22.0
2 21	7 19.59	+16 2.7	1.886	2.698	14.4	22.1

463268 2012 GT_{13} 1 15.8 111.°66 1.°1/15.2 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 13	8 12.43	+20 27.6	1.970	2.793	13.2	20.6
12 23	8 7.25	+21 33.4	1.894	2.796	9.8	20.4
1 2	7 59.75	+22 47.2	1.843	2.799	5.8	20.1
1 12	7 50.66	+24 3.4	1.821	2.802	1.8	19.9
1 22	7 40.98	+25 16.1	1.829	2.805	3.2	20.0
2 1	7 31.88	+26 20.0	1.866	2.807	7.3	20.2
2 11	7 24.44	+27 12.1	1.931	2.810	11.0	20.5
2 21	7 19.41	+27 51.8	2.019	2.813	14.2	20.7

133560 2003 UW_{11} 1 15.8 48.°50 5.°8/13.1 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 13	8 15.04	+35 2.2	1.947	2.774	13.2	19.2
12 23	8 9.39	+36 9.0	1.887	2.782	10.2	19.1
1 2	8 1.08	+37 10.1	1.851	2.789	7.4	18.9
1 12	7 51.02	+37 58.2	1.842	2.798	5.8	18.8
1 22	7 40.45	+38 27.9	1.861	2.806	6.9	18.9
2 1	7 30.75	+38 36.9	1.907	2.815	9.5	19.1
2 11	7 23.11	+38 26.7	1.978	2.823	12.4	19.3
2 21	7 18.29	+38 1.1	2.070	2.832	15.0	19.5

464363 2016 AO_{147} 1 15.8 225.°33 6.°8/19.1 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 13	8 11.20	+ 1 6.2	1.932	2.698	15.6	21.4
12 23	8 6.26	+ 0 54.7	1.846	2.693	12.9	21.2
1 2	7 59.12	+ 1 3.7	1.781	2.689	9.9	21.0
1 12	7 50.48	+ 1 34.6	1.742	2.684	7.5	20.9
1 22	7 41.26	+ 2 26.2	1.730	2.679	6.9	20.8
2 1	7 32.54	+ 3 34.7	1.746	2.674	8.8	20.9
2 11	7 25.34	+ 4 54.2	1.788	2.668	11.7	21.1
2 21	7 20.39	+ 6 18.2	1.854	2.662	14.7	21.3

456799 2007 TC_{246} 1 15.8 194.°31 9.°8/19.6 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 13	8 14.69	− 7 45.2	2.298	2.995	15.2	22.1
12 23	8 8.53	− 8 54.1	2.212	2.992	13.4	22.0
1 2	8 0.35	− 9 43.0	2.147	2.989	11.5	21.8
1 12	7 50.81	−10 7.8	2.107	2.985	10.1	21.7
1 22	7 40.74	−10 6.8	2.093	2.980	9.8	21.7
2 1	7 31.10	− 9 40.7	2.106	2.974	10.7	21.8
2 11	7 22.82	− 8 53.4	2.144	2.967	12.4	21.9
2 21	7 16.56	− 7 51.0	2.205	2.959	14.4	22.0

132144 2002 CM_{280} 1 15.8 210.°99 1.°0/16.2 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 13	8 15.35	+17 4.5	1.924	2.737	13.9	20.9
12 23	8 9.43	+17 17.5	1.837	2.732	10.5	20.7
1 2	8 1.08	+17 39.1	1.774	2.725	6.5	20.4
1 12	7 51.04	+18 6.4	1.739	2.719	2.2	20.1
1 22	7 40.37	+18 36.0	1.733	2.711	2.9	20.2
2 1	7 30.29	+19 4.7	1.757	2.703	7.2	20.4
2 11	7 21.92	+19 30.0	1.809	2.695	11.3	20.6
2 21	7 16.06	+19 50.6	1.883	2.686	14.7	20.8

299979 2006 TT_{119} 1 15.8 198.°25 6.°8/20.9 17

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 13	8 7.64	− 9 14.8	3.540	4.212	10.7	22.1
12 23	8 2.74	− 9 39.5	3.446	4.207	9.4	22.0
1 2	7 56.63	− 9 49.0	3.375	4.202	8.1	21.9
1 12	7 49.73	− 9 41.7	3.329	4.197	7.1	21.8
1 22	7 42.54	− 9 17.4	3.311	4.191	6.8	21.8
2 1	7 35.62	− 8 37.3	3.321	4.184	7.3	21.8
2 11	7 29.50	− 7 44.2	3.357	4.177	8.4	21.9
2 21	7 24.59	− 6 41.6	3.419	4.170	9.8	22.0

114458 2003 AZ_{29} 1 15.8 78.°81 1.°1/16.2 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 13	8 18.28	+15 37.5	1.387	2.211	17.7	19.1
12 23	8 11.87	+16 17.2	1.339	2.239	13.1	18.9
1 2	8 2.53	+17 9.9	1.314	2.267	8.0	18.6
1 12	7 51.40	+18 10.2	1.314	2.295	2.6	18.4
1 22	7 39.95	+19 11.4	1.343	2.322	3.3	18.5
2 1	7 29.73	+20 7.7	1.400	2.348	8.4	18.9
2 11	7 22.00	+20 55.4	1.481	2.375	12.8	19.2
2 21	7 17.42	+21 33.2	1.585	2.400	16.5	19.5

245448 2005 KH_{8} 1 15.8 182.°33 2.°9/17.4 17

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 13	8 9.40	+ 9 54.2	2.993	3.774	10.2	21.4
12 23	8 4.18	+ 9 44.4	2.905	3.775	8.0	21.3
1 2	7 57.55	+ 9 43.1	2.843	3.775	5.5	21.1
1 12	7 50.00	+ 9 49.9	2.809	3.775	3.3	21.0
1 22	7 42.14	+10 3.7	2.807	3.774	3.2	20.9
2 1	7 34.66	+10 23.1	2.835	3.773	5.3	21.1
2 11	7 28.17	+10 46.0	2.892	3.771	7.8	21.2
2 21	7 23.16	+11 10.5	2.975	3.769	10.1	21.4

351237 2004 QL_{12} 1 15.8 140.°74 6.°4/13.3 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 13	8 24.60	+37 53.8	2.051	2.857	13.4	21.4
12 23	8 16.32	+38 55.4	1.993	2.873	10.5	21.3
1 2	8 5.16	+39 47.9	1.960	2.888	7.8	21.1
1 12	7 52.15	+40 23.5	1.955	2.902	6.4	21.1
1 22	7 38.71	+40 37.0	1.979	2.915	7.3	21.1
2 1	7 26.38	+40 27.6	2.032	2.927	9.7	21.3
2 11	7 16.44	+39 58.3	2.111	2.938	12.4	21.5
2 21	7 9.60	+39 14.7	2.211	2.948	14.8	21.7

135137 2001 QX_{182} 1 15.8 55.°77 0.°2/15.8 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 13	8 16.38	+23 25.2	2.166	2.982	12.5	18.6
12 23	8 9.70	+22 55.0	2.094	2.991	9.2	18.4
1 2	8 0.95	+22 24.6	2.047	3.001	5.5	18.2
1 12	7 50.95	+21 52.6	2.030	3.011	1.5	17.9
1 22	7 40.71	+21 18.2	2.043	3.021	2.5	18.0
2 1	7 31.29	+20 41.7	2.087	3.031	6.4	18.3
2 11	7 23.59	+20 3.9	2.159	3.042	9.9	18.5
2 21	7 18.17	+19 25.9	2.255	3.052	12.8	18.7

79674 1998 SP_{44} 1 15.8 111.°82 2.°7/14.9 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 13	8 20.43	+25 55.7	1.593	2.421	15.6	19.5
12 23	8 13.46	+26 36.3	1.536	2.439	11.5	19.3
1 2	8 3.52	+27 18.0	1.502	2.457	7.1	19.1
1 12	7 51.71	+27 54.3	1.495	2.473	3.1	18.9
1 22	7 39.48	+28 19.6	1.517	2.490	4.5	19.0
2 1	7 28.40	+28 31.2	1.568	2.505	8.8	19.3
2 11	7 19.77	+28 29.7	1.644	2.520	12.8	19.5
2 21	7 14.30	+28 17.7	1.741	2.535	16.1	19.8

414823 2010 UC_{34} 1 15.8 92.°89 8.°5/12.5 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 13	8 22.76	+42 19.2	1.837	2.647	14.6	20.9
12 23	8 15.41	+43 34.9	1.789	2.663	11.9	20.7
1 2	8 4.79	+44 37.3	1.765	2.679	9.5	20.6
1 12	7 52.08	+45 17.3	1.766	2.695	8.5	20.6
1 22	7 38.93	+45 29.2	1.795	2.711	9.3	20.7
2 1	7 27.09	+45 12.7	1.849	2.726	11.5	20.8
2 11	7 17.99	+44 32.2	1.927	2.741	13.9	21.0
2 21	7 12.37	+43 34.6	2.025	2.756	16.2	21.2

128401 2004 LO_9 1 15.8 206.°24 0.°4/16.0 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 13	8 13.66	+18 43.7	2.271	3.082	12.1	21.1
12 23	8 7.86	+18 57.1	2.183	3.077	9.1	20.8
1 2	7 59.99	+19 16.3	2.120	3.072	5.5	20.6
1 12	7 50.74	+19 38.7	2.086	3.066	1.7	20.3
1 22	7 41.00	+20 1.6	2.082	3.060	2.4	20.4
2 1	7 31.76	+20 22.4	2.109	3.054	6.3	20.6
2 11	7 23.97	+20 39.5	2.164	3.046	9.8	20.8
2 21	7 18.29	+20 52.1	2.243	3.039	12.9	21.0

394432 2007 NC 1 15.8 98.°68 7.°9/19.3 17

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 13	8 15.21	+ 0 1.7	1.747	2.507	17.2	21.4
12 23	8 9.11	− 0 35.5	1.689	2.530	14.2	21.3
1 2	8 0.72	− 0 50.5	1.651	2.552	11.1	21.1
1 12	7 50.92	− 0 41.5	1.639	2.573	8.6	21.0
1 22	7 40.80	− 0 9.6	1.653	2.594	8.0	21.0
2 1	7 31.52	+ 0 41.4	1.695	2.614	9.7	21.2
2 11	7 24.11	+ 1 45.4	1.762	2.634	12.3	21.4
2 21	7 19.16	+ 2 55.7	1.852	2.653	15.0	21.6

473176 2015 KF_{57} 1 15.8 19.°42 4.°0/12.9 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 13	8 12.92	+24 52.5	1.831	2.663	13.7	19.6
12 23	8 8.01	+27 8.7	1.763	2.669	10.1	19.4
1 2	8 0.43	+29 32.3	1.722	2.675	6.4	19.2
1 12	7 50.93	+31 52.9	1.711	2.682	4.0	19.1
1 22	7 40.63	+34 0.0	1.730	2.690	5.7	19.2
2 1	7 30.86	+35 45.8	1.779	2.698	9.3	19.4
2 11	7 22.94	+37 7.3	1.854	2.707	12.7	19.7
2 21	7 17.77	+38 5.4	1.952	2.717	15.6	19.9

110172 2001 SW_{171} 1 15.8 198.°32 0.°9/15.4 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 13	8 10.89	+22 19.7	2.447	3.266	11.1	20.0
12 23	8 5.70	+22 48.1	2.365	3.265	8.2	19.8
1 2	7 58.65	+23 20.1	2.309	3.264	4.9	19.6
1 12	7 50.36	+23 52.3	2.282	3.263	1.5	19.4
1 22	7 41.65	+24 21.6	2.285	3.261	2.6	19.4
2 1	7 33.43	+24 45.3	2.318	3.260	6.0	19.7
2 11	7 26.55	+25 2.4	2.380	3.259	9.2	19.9
2 21	7 21.61	+25 12.5	2.465	3.257	12.0	20.0

381244 2007 TQ_{65} 1 15.8 70.°36 2.°2/14.9 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 13	8 14.37	+27 25.6	2.180	3.002	12.1	21.2
12 23	8 8.30	+27 44.0	2.120	3.020	9.0	21.0
1 2	8 0.15	+28 1.2	2.085	3.038	5.5	20.9
1 12	7 50.75	+28 13.4	2.079	3.056	2.5	20.7
1 22	7 41.10	+28 17.7	2.103	3.074	3.6	20.8
2 1	7 32.26	+28 12.9	2.156	3.092	6.8	21.0
2 11	7 25.14	+27 59.6	2.237	3.110	10.0	21.3
2 21	7 20.29	+27 39.2	2.341	3.128	12.7	21.5

19514 1998 QB_{75} 1 15.8 55.°40 0.°0/15.8 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 13	8 19.42	+22 36.2	1.463	2.294	16.5	17.3
12 23	8 12.63	+22 7.5	1.408	2.313	12.3	17.1
1 2	8 2.94	+21 40.9	1.375	2.331	7.3	16.9
1 12	7 51.54	+21 13.9	1.369	2.350	2.1	16.6
1 22	7 39.90	+20 45.1	1.391	2.369	3.3	16.7
2 1	7 29.57	+20 14.4	1.441	2.389	8.3	17.1
2 11	7 21.74	+19 42.8	1.516	2.408	12.6	17.4
2 21	7 17.05	+19 11.5	1.613	2.428	16.3	17.6

354626 2005 EY_{235} 1 15.8 280.°12 1.°0/15.2 16

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 13	8 7.76	+23 56.2	3.163	3.979	8.9	21.5
12 23	8 3.08	+24 16.5	3.070	3.969	6.6	21.3
1 2	7 56.95	+24 38.4	3.004	3.958	4.0	21.1
1 12	7 49.87	+24 59.6	2.967	3.947	1.4	20.9
1 22	7 42.45	+25 17.8	2.961	3.936	2.2	21.0
2 1	7 35.36	+25 31.5	2.986	3.925	5.0	21.2
2 11	7 29.25	+25 39.8	3.039	3.914	7.6	21.3
2 21	7 24.62	+25 42.6	3.118	3.903	9.9	21.5

464576 2016 CS_{70} 1 15.8 328.°49 4.°6/13.3 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 13	8 10.39	+25 21.6	1.377	2.229	16.2	20.2
12 23	8 7.04	+27 9.1	1.293	2.209	12.2	19.9
1 2	8 0.34	+29 8.0	1.232	2.190	7.8	19.6
1 12	7 51.02	+31 8.0	1.197	2.171	4.7	19.4
1 22	7 40.43	+32 56.8	1.188	2.154	6.8	19.4
2 1	7 30.36	+34 24.2	1.205	2.137	11.4	19.7
2 11	7 22.62	+35 25.8	1.245	2.121	16.0	19.9
2 21	7 18.45	+36 2.3	1.304	2.107	20.0	20.1

236953 2007 UF_{14} 1 15.8 168.°65 6.°6/11.9 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 13	8 16.44	+41 19.2	2.508	3.312	11.3	20.4
12 23	8 10.18	+42 27.9	2.442	3.313	9.2	20.3
1 2	8 1.49	+43 27.9	2.401	3.315	7.4	20.1
1 12	7 51.19	+44 12.6	2.387	3.316	6.6	20.1
1 22	7 40.35	+44 37.7	2.402	3.317	7.4	20.1
2 1	7 30.21	+44 41.3	2.445	3.318	9.2	20.3
2 11	7 21.86	+44 25.3	2.512	3.318	11.3	20.4
2 21	7 16.03	+43 53.5	2.601	3.319	13.3	20.6

382232 2012 RZ_{27} 1 15.8 161.°38 1.°3/15.3 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 13	8 13.56	+25 14.8	2.482	3.298	11.0	20.6
12 23	8 7.59	+25 21.4	2.402	3.300	8.2	20.4
1 2	7 59.72	+25 28.2	2.349	3.303	4.9	20.2
1 12	7 50.66	+25 32.3	2.325	3.305	1.8	19.9
1 22	7 41.26	+25 31.5	2.332	3.307	2.8	20.0
2 1	7 32.45	+25 24.6	2.369	3.309	6.1	20.2
2 11	7 25.09	+25 11.6	2.434	3.310	9.2	20.4
2 21	7 19.74	+24 53.5	2.524	3.312	11.9	20.6

348623 2005 YS_{65} 1 15.8 222.°78 1.°3/15.2 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 13	8 15.69	+21 3.3	1.634	2.463	15.2	21.2
12 23	8 10.20	+21 56.6	1.554	2.458	11.3	20.9
1 2	8 1.81	+22 58.9	1.497	2.453	6.8	20.6
1 12	7 51.34	+24 3.9	1.467	2.448	2.1	20.3
1 22	7 40.06	+25 4.9	1.466	2.442	3.7	20.4
2 1	7 29.45	+25 56.2	1.493	2.436	8.6	20.7
2 11	7 20.93	+26 34.9	1.546	2.429	13.0	20.9
2 21	7 15.39	+27 1.0	1.620	2.423	16.8	21.2

121275 1999 RC_{126} 1 15.8 130.°08 1.°0/15.4 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 13	8 15.30	+23 55.5	2.436	3.249	11.3	20.1
12 23	8 8.80	+24 8.9	2.367	3.263	8.4	19.9
1 2	8 0.40	+24 23.4	2.324	3.277	5.0	19.7
1 12	7 50.84	+24 36.1	2.311	3.291	1.6	19.5
1 22	7 41.00	+24 44.3	2.328	3.304	2.6	19.6
2 1	7 31.83	+24 46.6	2.377	3.317	6.0	19.9
2 11	7 24.18	+24 42.8	2.454	3.329	9.2	20.1
2 21	7 18.59	+24 33.7	2.555	3.340	11.8	20.3

66995 1999 XN_{109} 1 15.8 1.°05 1.°8/16.6 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 13	8 10.78	+15 5.2	1.853	2.672	14.1	19.4
12 23	8 6.05	+15 14.0	1.776	2.672	10.7	19.2
1 2	7 59.04	+15 33.0	1.721	2.672	6.7	18.9
1 12	7 50.51	+16 0.3	1.693	2.672	2.7	18.7
1 22	7 41.47	+16 32.6	1.694	2.672	3.0	18.7
2 1	7 33.05	+17 6.6	1.724	2.672	7.1	18.9
2 11	7 26.31	+17 39.2	1.779	2.673	11.0	19.2
2 21	7 21.94	+18 8.2	1.858	2.674	14.4	19.4

141944 2002 PZ_{101} 1 15.8 156.°78 3.°6/17.6 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 13	8 10.42	+ 8 54.9	2.385	3.172	12.3	20.4
12 23	8 5.27	+ 8 46.8	2.304	3.175	9.7	20.3
1 2	7 58.35	+ 8 50.3	2.246	3.178	6.7	20.1
1 12	7 50.29	+ 9 4.9	2.217	3.181	4.2	19.9
1 22	7 41.86	+ 9 29.1	2.217	3.184	4.0	19.9
2 1	7 33.91	+10 0.5	2.247	3.186	6.4	20.1
2 11	7 27.23	+10 36.3	2.305	3.189	9.3	20.2
2 21	7 22.39	+11 13.4	2.388	3.191	12.0	20.4

502602 2015 CD_{14} 1 15.8 234.°21 1.°9/16.9 17

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 13	8 9.49	+12 26.9	2.370	3.171	12.0	21.0
12 23	8 4.70	+12 56.7	2.283	3.168	9.1	20.8
1 2	7 58.08	+13 37.8	2.220	3.165	5.9	20.6
1 12	7 50.23	+14 28.0	2.186	3.162	2.7	20.4
1 22	7 41.93	+15 23.9	2.182	3.159	2.7	20.4
2 1	7 34.03	+16 22.0	2.209	3.155	6.0	20.6
2 11	7 27.39	+17 18.6	2.264	3.152	9.2	20.8
2 21	7 22.62	+18 10.9	2.344	3.148	12.1	21.0

96744 1999 OW_3 1 15.8 340.°00 37.°0/13.0 17

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 13	8 18.88	−42 17.0	1.064	1.598	37.0	17.3
12 23	8 19.54	−49 23.1	0.932	1.479	40.8	17.0
1 2	8 14.84	−57 25.1	0.812	1.354	46.0	16.7
1 12	7 59.34	−66 35.4	0.703	1.223	53.5	16.3
1 22	7 5.60	−77 7.6	0.606	1.086	64.0	16.1
2 1	1 13.04	−83 4.4	0.524	0.942	78.8	15.9
2 11	21 58.15	−66 48.8	0.470	0.795	99.4	16.2
2 21	21 25.76	−43 0.3	0.476	0.649	122.2	17.2

231136 2005 TV_{71} 1 15.8 138.°41 1.°8/15.1 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 13	8 19.51	+23 10.1	1.736	2.558	14.8	21.0
12 23	8 12.67	+23 56.8	1.671	2.571	10.9	20.7
1 2	8 3.06	+24 47.8	1.629	2.584	6.6	20.5
1 12	7 51.65	+25 37.1	1.616	2.596	2.3	20.3
1 22	7 39.73	+26 18.8	1.633	2.608	3.8	20.4
2 1	7 28.73	+26 49.4	1.679	2.618	8.1	20.7
2 11	7 19.90	+27 7.8	1.751	2.628	12.1	20.9
2 21	7 13.99	+27 15.3	1.846	2.637	15.5	21.2

147217 2002 XT_7 1 15.8 19.°01 4.°9/16.8 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 13	8 15.00	+12 18.9	1.493	2.311	17.0	19.6
12 23	8 9.47	+11 13.9	1.424	2.314	13.2	19.4
1 2	8 1.20	+10 19.6	1.376	2.318	9.1	19.1
1 12	7 51.14	+ 9 37.8	1.354	2.322	5.5	18.9
1 22	7 40.57	+ 9 9.3	1.358	2.327	5.6	19.0
2 1	7 30.93	+ 8 53.7	1.390	2.332	9.2	19.2
2 11	7 23.44	+ 8 48.9	1.446	2.338	13.2	19.4
2 21	7 18.85	+ 8 51.7	1.524	2.344	16.8	19.7

127795 2003 FU_{73} 1 15.8 123.°60 1.°6/15.1 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 13	8 17.08	+21 58.9	1.678	2.504	15.0	19.5
12 23	8 10.97	+22 55.8	1.613	2.516	11.1	19.2
1 2	8 2.10	+23 59.1	1.572	2.528	6.6	19.0
1 12	7 51.40	+25 2.5	1.558	2.539	2.2	18.7
1 22	7 40.14	+25 59.3	1.574	2.549	3.8	18.9
2 1	7 29.76	+26 44.9	1.619	2.560	8.2	19.2
2 11	7 21.50	+27 17.3	1.689	2.569	12.3	19.4
2 21	7 16.15	+27 37.3	1.782	2.578	15.7	19.7

172581 2003 UC_{250} 1 15.8 322.°48 2.°9/16.7 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 13	8 13.72	+14 41.5	1.528	2.352	16.3	20.0
12 23	8 8.68	+14 21.2	1.449	2.347	12.5	19.7
1 2	8 0.84	+14 11.6	1.392	2.342	8.1	19.4
1 12	7 51.08	+14 11.8	1.361	2.337	3.8	19.2
1 22	7 40.63	+14 20.0	1.356	2.332	4.0	19.2
2 1	7 30.95	+14 33.6	1.379	2.328	8.5	19.4
2 11	7 23.35	+14 49.7	1.427	2.324	13.0	19.7
2 21	7 18.65	+15 5.9	1.496	2.320	16.9	19.9

397912 2008 VS_{23} 1 15.8 58.°79 6.°3/13.6 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 13	8 21.81	+30 27.6	1.224	2.067	18.3	20.0
12 23	8 15.13	+32 9.0	1.193	2.101	13.7	19.8
1 2	8 4.74	+33 45.8	1.184	2.134	9.1	19.6
1 12	7 52.11	+35 5.5	1.200	2.168	6.3	19.6
1 22	7 39.19	+35 59.1	1.243	2.201	7.8	19.7
2 1	7 28.00	+36 24.2	1.311	2.234	11.6	20.0
2 11	7 20.05	+36 24.2	1.402	2.267	15.3	20.4
2 21	7 15.98	+36 5.5	1.513	2.300	18.4	20.7

109824 2001 RC_{114} 1 15.8 137.°21 1.°6/15.1 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 13	8 16.04	+24 32.4	2.196	3.013	12.3	20.7
12 23	8 9.61	+25 3.2	2.127	3.025	9.1	20.6
1 2	8 1.02	+25 35.7	2.083	3.037	5.5	20.4
1 12	7 51.06	+26 5.6	2.069	3.048	2.0	20.1
1 22	7 40.73	+26 29.3	2.085	3.059	3.2	20.2
2 1	7 31.11	+26 44.4	2.131	3.069	6.8	20.5
2 11	7 23.17	+26 50.7	2.205	3.078	10.1	20.7
2 21	7 17.53	+26 48.9	2.303	3.087	13.0	20.9

299435 2006 AL_{53} 1 15.8 275.°67 1.°1/16.1 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 13	8 15.81	+18 31.9	1.518	2.347	16.2	20.9
12 23	8 10.42	+18 26.3	1.433	2.336	12.2	20.7
1 2	8 2.01	+18 28.4	1.370	2.324	7.6	20.4
1 12	7 51.44	+18 35.7	1.332	2.312	2.5	20.0
1 22	7 40.04	+18 45.0	1.322	2.301	3.4	20.0
2 1	7 29.37	+18 53.5	1.340	2.289	8.6	20.3
2 11	7 20.87	+18 59.5	1.382	2.277	13.5	20.6
2 21	7 15.48	+19 2.2	1.446	2.265	17.6	20.8

280780 2005 SC_{124} 1 15.8 85.°00 1.°8/16.4 17

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 13	8 17.10	+15 50.2	1.384	2.211	17.5	21.2
12 23	8 11.19	+15 58.8	1.326	2.227	13.2	21.0
1 2	8 2.28	+16 19.6	1.290	2.242	8.2	20.8
1 12	7 51.46	+16 49.3	1.278	2.258	3.0	20.5
1 22	7 40.17	+17 23.1	1.295	2.273	3.6	20.6
2 1	7 30.00	+17 56.7	1.338	2.288	8.6	20.9
2 11	7 22.26	+18 26.8	1.406	2.303	13.2	21.2
2 21	7 17.69	+18 51.6	1.496	2.317	17.0	21.5

367780 2010 XM_{66} 1 15.8 151.°53 1.°0/15.2 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 13	8 13.48	+20 14.1	2.133	2.951	12.6	20.8
12 23	8 7.90	+21 20.7	2.057	2.956	9.3	20.6
1 2	8 0.13	+22 34.9	2.006	2.960	5.5	20.4
1 12	7 50.86	+23 51.3	1.984	2.965	1.7	20.2
1 22	7 41.04	+25 4.2	1.993	2.969	3.0	20.3
2 1	7 31.76	+26 8.9	2.033	2.973	6.9	20.5
2 11	7 24.03	+27 2.4	2.101	2.977	10.4	20.7
2 21	7 18.56	+27 44.1	2.192	2.980	13.4	21.0

396611 2001 SG_{98} 1 15.8 30.°26 5.°1/17.5 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 13	8 13.41	+ 9 35.5	1.329	2.149	18.5	20.5
12 23	8 8.64	+ 9 13.8	1.262	2.153	14.5	20.3
1 2	8 0.88	+ 9 10.6	1.215	2.156	10.0	20.0
1 12	7 51.11	+ 9 26.0	1.192	2.160	6.0	19.8
1 22	7 40.68	+ 9 57.6	1.194	2.165	5.7	19.8
2 1	7 31.17	+10 40.9	1.222	2.170	9.5	20.0
2 11	7 23.97	+11 30.2	1.275	2.175	13.9	20.3
2 21	7 19.89	+12 20.2	1.347	2.180	17.9	20.6

242109 2002 VL_{69} 1 15.8 80.°53 0.°1/15.9 17

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 13	8 18.72	+20 3.4	1.776	2.594	14.7	20.5
12 23	8 11.64	+20 13.2	1.728	2.626	10.8	20.4
1 2	8 2.19	+20 28.1	1.704	2.658	6.5	20.2
1 12	7 51.37	+20 44.5	1.708	2.689	1.8	19.9
1 22	7 40.40	+20 59.2	1.742	2.720	2.8	20.1
2 1	7 30.52	+21 9.9	1.805	2.750	7.1	20.4
2 11	7 22.72	+21 15.8	1.895	2.780	10.9	20.7
2 21	7 17.58	+21 17.1	2.008	2.809	14.0	21.0

314735 2006 SO_{101} 1 15.8 56.°24 1.°2/16.3 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 13	8 14.18	+16 47.7	1.505	2.334	16.3	21.0
12 23	8 8.84	+17 1.6	1.447	2.350	12.2	20.8
1 2	8 0.79	+17 25.9	1.412	2.366	7.5	20.6
1 12	7 51.03	+17 57.2	1.403	2.383	2.5	20.3
1 22	7 40.88	+18 31.1	1.421	2.400	3.2	20.4
2 1	7 31.72	+19 3.6	1.467	2.417	8.0	20.7
2 11	7 24.74	+19 31.7	1.538	2.434	12.3	21.0
2 21	7 20.63	+19 54.0	1.631	2.451	15.9	21.3

213691 2002 TA_{231} 1 15.8 113.°84 2.°2/14.8 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 13	8 17.24	+24 52.7	2.007	2.827	13.1	20.8
12 23	8 10.65	+25 44.1	1.947	2.847	9.7	20.7
1 2	8 1.71	+26 37.5	1.913	2.867	5.9	20.5
1 12	7 51.28	+27 27.4	1.908	2.886	2.5	20.3
1 22	7 40.47	+28 8.7	1.932	2.904	3.8	20.4
2 1	7 30.50	+28 38.5	1.987	2.922	7.4	20.7
2 11	7 22.40	+28 56.1	2.068	2.939	10.8	20.9
2 21	7 16.82	+29 2.9	2.173	2.955	13.7	21.1

268512 2005 YJ_{156} 1 15.8 53.°21 1.°2/16.3 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 13	8 13.04	+17 35.3	1.875	2.695	13.9	20.6
12 23	8 7.66	+17 32.2	1.801	2.699	10.5	20.4
1 2	7 59.98	+17 36.1	1.751	2.703	6.4	20.2
1 12	7 50.81	+17 45.1	1.727	2.707	2.3	19.9
1 22	7 41.20	+17 56.6	1.733	2.711	2.8	20.0
2 1	7 32.29	+18 8.3	1.768	2.716	7.0	20.2
2 11	7 25.14	+18 18.5	1.829	2.720	10.9	20.5
2 21	7 20.41	+18 26.2	1.913	2.724	14.2	20.7

204674 2006 DQ_{57} 1 15.8 174.°25 0.°1/15.9 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 13	8 12.38	+19 50.1	2.213	3.030	12.2	21.1
12 23	8 6.94	+20 4.0	2.133	3.031	9.1	20.9
1 2	7 59.47	+20 23.1	2.078	3.032	5.5	20.6
1 12	7 50.67	+20 44.4	2.051	3.032	1.6	20.4
1 22	7 41.43	+21 5.2	2.054	3.033	2.5	20.4
2 1	7 32.76	+21 23.1	2.087	3.033	6.3	20.7
2 11	7 25.59	+21 36.6	2.148	3.033	9.8	20.9
2 21	7 20.53	+21 45.2	2.233	3.033	12.8	21.1

291860 2006 OZ_{20} 1 15.8 99.°06 4.°6/13.6 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 13	8 18.38	+30 1.0	1.850	2.675	13.9	20.6
12 23	8 11.84	+31 24.1	1.796	2.695	10.4	20.4
1 2	8 2.58	+32 45.6	1.768	2.716	6.9	20.2
1 12	7 51.56	+33 57.1	1.768	2.736	4.6	20.1
1 22	7 40.06	+34 52.1	1.798	2.755	5.9	20.2
2 1	7 29.50	+35 27.3	1.856	2.774	9.0	20.5
2 11	7 21.09	+35 43.1	1.940	2.793	12.2	20.7
2 21	7 15.56	+35 42.9	2.045	2.811	15.0	20.9

120637 1996 JC_{12} 1 15.8 100.°13 0.°5/15.6 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 13	8 18.64	+19 56.9	1.700	2.520	15.1	20.7
12 23	8 11.86	+20 36.5	1.646	2.545	11.2	20.5
1 2	8 2.48	+21 22.8	1.615	2.570	6.6	20.3
1 12	7 51.51	+22 10.6	1.613	2.594	1.8	20.0
1 22	7 40.20	+22 54.5	1.639	2.617	3.1	20.2
2 1	7 29.91	+23 30.8	1.696	2.640	7.6	20.5
2 11	7 21.78	+23 57.8	1.778	2.662	11.6	20.8
2 21	7 16.45	+24 15.7	1.884	2.683	14.9	21.0

237957 2002 RQ_{89} 1 15.8 96.°30 3.°0/17.5 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 13	8 10.17	+10 3.5	2.246	3.040	12.8	20.6
12 23	8 5.18	+10 14.2	2.171	3.049	9.9	20.4
1 2	7 58.36	+10 37.0	2.120	3.058	6.6	20.3
1 12	7 50.36	+11 10.8	2.097	3.067	3.7	20.1
1 22	7 41.99	+11 52.9	2.104	3.075	3.5	20.1
2 1	7 34.16	+12 40.0	2.140	3.084	6.3	20.3
2 11	7 27.69	+13 28.6	2.204	3.093	9.4	20.5
2 21	7 23.15	+14 15.7	2.293	3.101	12.3	20.7

428119 2006 RC_{104} 1 15.8 86.°94 6.°6/12.5 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 13	8 16.59	+41 20.8	2.427	3.232	11.6	20.9
12 23	8 10.27	+42 16.1	2.364	3.237	9.4	20.7
1 2	8 1.55	+43 1.7	2.325	3.242	7.4	20.6
1 12	7 51.27	+43 31.7	2.314	3.246	6.6	20.6
1 22	7 40.56	+43 42.0	2.331	3.251	7.3	20.6
2 1	7 30.65	+43 31.5	2.376	3.256	9.1	20.8
2 11	7 22.62	+43 2.5	2.445	3.261	11.3	20.9
2 21	7 17.14	+42 19.0	2.537	3.265	13.3	21.1

95355 2002 CQ_{141} 1 15.8 291.°79 0.°2/15.9 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 13	8 14.24	+20 57.1	1.895	2.718	13.7	19.0
12 23	8 8.70	+20 48.6	1.807	2.708	10.2	18.8
1 2	8 0.72	+20 43.7	1.744	2.699	6.2	18.5
1 12	7 51.07	+20 40.1	1.708	2.689	1.8	18.2
1 22	7 40.84	+20 35.5	1.701	2.679	2.8	18.3
2 1	7 31.25	+20 28.3	1.723	2.670	7.3	18.5
2 11	7 23.43	+20 18.0	1.771	2.660	11.3	18.8
2 21	7 18.14	+20 4.9	1.843	2.651	14.8	19.0

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
400593 2009 AT_{21}			1 15.8	238.°26	0.°3/15.9	18
12 13	8 14.46	+17 30.1	1.712	2.534	14.9	21.3
12 23	8 9.16	+18 8.2	1.626	2.526	11.2	21.1
1 2	8 1.16	+18 57.5	1.564	2.519	6.9	20.8
1 12	7 51.24	+19 53.7	1.529	2.510	2.0	20.5
1 22	7 40.53	+20 51.5	1.523	2.502	3.0	20.5
2 1	7 30.40	+21 45.5	1.546	2.493	7.9	20.8
2 11	7 22.17	+22 31.9	1.595	2.484	12.3	21.0
2 21	7 16.69	+23 9.2	1.666	2.474	16.1	21.2
77119 2001 DB_{81}			1 15.8	287.°15	6.°7/13.1	18
12 13	8 18.27	+34 55.7	1.646	2.476	15.0	19.1
12 23	8 12.68	+36 1.2	1.559	2.456	11.8	18.8
1 2	8 3.63	+37 2.7	1.495	2.436	8.6	18.6
1 12	7 52.00	+37 50.8	1.457	2.415	6.7	18.4
1 22	7 39.28	+38 17.2	1.446	2.395	8.0	18.5
2 1	7 27.29	+38 18.1	1.461	2.374	11.4	18.6
2 11	7 17.76	+37 54.9	1.500	2.354	15.1	18.8
2 21	7 11.78	+37 13.0	1.558	2.334	18.5	19.0
463318 2012 JQ_{52}			1 15.8	320.°46	0.°3/15.7	17
12 13	8 11.52	+19 54.5	1.578	2.415	15.3	21.5
12 23	8 7.21	+20 21.1	1.493	2.401	11.5	21.3
1 2	8 0.09	+20 56.5	1.430	2.387	7.0	21.0
1 12	7 50.96	+21 36.7	1.393	2.374	2.0	20.6
1 22	7 41.01	+22 16.5	1.383	2.362	3.3	20.7
2 1	7 31.67	+22 51.3	1.401	2.350	8.4	21.0
2 11	7 24.33	+23 18.3	1.443	2.338	13.0	21.2
2 21	7 19.89	+23 36.5	1.507	2.327	16.9	21.4
261461 2005 VQ_{72}			1 15.8	234.°98	4.°0/13.6	18
12 13	8 15.01	+29 51.4	2.122	2.946	12.4	20.3
12 23	8 9.34	+30 59.6	2.039	2.938	9.4	20.1
1 2	8 1.17	+32 8.1	1.981	2.929	6.2	19.9
1 12	7 51.24	+33 10.3	1.952	2.920	4.1	19.8
1 22	7 40.59	+34 0.1	1.952	2.911	5.3	19.8
2 1	7 30.47	+34 33.8	1.982	2.902	8.4	20.0
2 11	7 22.07	+34 50.8	2.037	2.892	11.6	20.2
2 21	7 16.20	+34 52.9	2.115	2.882	14.5	20.3
463081 2011 OA_{31}			1 15.8	141.°64	1.°2/15.1	17
12 13	8 10.59	+21 54.2	2.531	3.348	10.8	20.6
12 23	8 5.50	+22 50.5	2.452	3.351	8.0	20.4
1 2	7 58.59	+23 51.6	2.400	3.354	4.8	20.2
1 12	7 50.46	+24 53.3	2.377	3.357	1.6	20.0
1 22	7 41.89	+25 51.4	2.385	3.360	2.7	20.1
2 1	7 33.76	+26 42.4	2.424	3.363	6.0	20.3
2 11	7 26.89	+27 24.2	2.492	3.365	9.1	20.5
2 21	7 21.89	+27 56.4	2.583	3.368	11.7	20.7
193701 2001 FH_{58}			1 15.8	218.°53	3.°8/14.3	18
12 13	8 20.21	+28 32.9	1.820	2.643	14.2	21.2
12 23	8 13.56	+29 28.6	1.734	2.633	10.7	21.0
1 2	8 3.89	+30 25.2	1.673	2.623	6.9	20.7
1 12	7 52.04	+31 15.4	1.639	2.612	4.0	20.5
1 22	7 39.31	+31 52.5	1.635	2.600	5.3	20.6
2 1	7 27.26	+32 12.6	1.660	2.588	9.2	20.8
2 11	7 17.33	+32 15.7	1.710	2.574	13.1	21.0
2 21	7 10.47	+32 4.5	1.783	2.560	16.5	21.2
308750 2006 JE_{49}			1 15.8	116.°00	0.°3/15.7	18
12 13	8 17.03	+19 40.3	1.925	2.740	13.8	21.6
12 23	8 10.50	+20 17.0	1.863	2.760	10.2	21.4
1 2	8 1.65	+21 0.0	1.826	2.779	6.1	21.2
1 12	7 51.32	+21 44.9	1.817	2.798	1.7	20.9
1 22	7 40.62	+22 27.1	1.839	2.816	2.8	21.1
2 1	7 30.75	+23 3.2	1.890	2.834	7.0	21.4
2 11	7 22.75	+23 31.3	1.969	2.850	10.7	21.6
2 21	7 17.24	+23 51.2	2.071	2.866	13.9	21.9
248032 2004 GV_5			1 15.8	318.°76	4.°4/17.3	18
12 13	8 10.29	+ 9 33.9	2.097	2.894	13.5	19.9
12 23	8 5.51	+ 8 56.6	2.006	2.883	10.6	19.7
1 2	7 58.70	+ 8 30.0	1.939	2.872	7.5	19.5
1 12	7 50.52	+ 8 15.0	1.899	2.862	4.9	19.3
1 22	7 41.82	+ 8 11.4	1.887	2.852	4.8	19.3
2 1	7 33.60	+ 8 18.0	1.904	2.842	7.4	19.4
2 11	7 26.78	+ 8 32.3	1.947	2.833	10.6	19.6
2 21	7 22.05	+ 8 51.7	2.014	2.824	13.7	19.8
117246 2004 SN_{33}			1 15.9	103.°94	2.°3/16.8	18
12 13	8 16.07	+13 25.3	1.639	2.452	15.9	20.3
12 23	8 10.08	+13 42.0	1.577	2.469	12.1	20.1
1 2	8 1.52	+14 12.0	1.537	2.485	7.7	19.9
1 12	7 51.33	+14 52.3	1.524	2.501	3.3	19.6
1 22	7 40.70	+15 38.4	1.540	2.517	3.5	19.7
2 1	7 30.98	+16 26.0	1.584	2.532	7.7	20.0
2 11	7 23.28	+17 10.9	1.655	2.547	11.8	20.2
2 21	7 18.32	+17 50.8	1.749	2.562	15.3	20.5

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
351604 2005 VL_{112}			1 15.9	88.°98	3.°0/16.7	18
12 13	8 17.79	+14 26.2	1.431	2.252	17.4	20.4
12 23	8 11.62	+14 4.6	1.370	2.265	13.3	20.1
1 2	8 2.54	+13 54.7	1.331	2.279	8.5	19.9
1 12	7 51.62	+13 55.4	1.317	2.293	4.0	19.7
1 22	7 40.26	+14 4.1	1.331	2.307	4.2	19.7
2 1	7 29.99	+14 18.1	1.372	2.320	8.6	20.0
2 11	7 22.08	+14 34.4	1.438	2.333	13.0	20.3
2 21	7 17.25	+14 50.8	1.526	2.346	16.8	20.6
24748 Nernst			1 15.9	53.°55	2.°3/16.9	18
12 13	8 10.60	+12 57.1	1.982	2.792	13.7	18.1
12 23	8 5.74	+13 9.0	1.912	2.801	10.4	17.9
1 2	7 58.81	+13 32.4	1.865	2.811	6.7	17.7
1 12	7 50.56	+14 5.2	1.846	2.821	3.1	17.5
1 22	7 41.91	+14 44.4	1.856	2.832	3.2	17.5
2 1	7 33.90	+15 26.4	1.894	2.842	6.7	17.8
2 11	7 27.46	+16 7.8	1.960	2.853	10.2	18.0
2 21	7 23.18	+16 46.1	2.050	2.863	13.3	18.2
502758 2015 DN_{65}			1 15.9	280.°55	1.°6/16.7	17
12 13	8 9.70	+13 57.3	2.266	3.073	12.3	21.6
12 23	8 4.99	+14 24.0	2.180	3.070	9.3	21.4
1 2	7 58.36	+15 1.2	2.118	3.066	5.9	21.2
1 12	7 50.45	+15 46.5	2.085	3.062	2.4	21.0
1 22	7 42.05	+16 36.6	2.081	3.059	2.6	21.0
2 1	7 34.10	+17 27.8	2.108	3.055	6.1	21.2
2 11	7 27.47	+18 16.9	2.162	3.051	9.6	21.4
2 21	7 22.79	+19 1.5	2.241	3.048	12.6	21.6
460954 2014 WB_{270}			1 15.9	336.°04	3.°0/14.2	16
12 13	8 12.80	+24 55.6	1.789	2.622	13.9	21.3
12 23	8 7.96	+26 12.7	1.713	2.619	10.3	21.0
1 2	8 0.47	+27 35.2	1.661	2.617	6.4	20.8
1 12	7 51.10	+28 56.1	1.637	2.614	3.2	20.6
1 22	7 40.99	+30 7.9	1.642	2.611	4.7	20.7
2 1	7 31.50	+31 5.1	1.675	2.609	8.6	20.9
2 11	7 23.90	+31 45.5	1.734	2.607	12.4	21.1
2 21	7 19.04	+32 9.9	1.815	2.605	15.7	21.3
85571 1998 BV_{21}			1 15.9	88.°89	0.°2/15.8	18
12 13	8 15.73	+21 51.3	2.581	3.387	11.0	19.0
12 23	8 8.89	+21 50.1	2.526	3.418	8.1	18.8
1 2	8 0.39	+21 50.7	2.497	3.449	4.8	18.7
1 12	7 50.95	+21 51.0	2.499	3.480	1.3	18.5
1 22	7 41.40	+21 49.4	2.532	3.510	2.2	18.6
2 1	7 32.58	+21 44.7	2.596	3.539	5.4	18.9
2 11	7 25.22	+21 36.9	2.690	3.568	8.4	19.1
2 21	7 19.78	+21 26.2	2.809	3.596	10.8	19.3
104930 2000 JO_{28}			1 15.9	204.°60	4.°3/13.8	18
12 13	8 17.30	+32 14.1	2.221	3.038	12.1	20.3
12 23	8 10.91	+33 6.1	2.140	3.034	9.3	20.1
1 2	8 2.06	+33 55.2	2.086	3.029	6.3	19.9
1 12	7 51.52	+34 35.3	2.059	3.024	4.4	19.8
1 22	7 40.38	+35 1.5	2.062	3.018	5.4	19.8
2 1	7 29.87	+35 11.4	2.095	3.012	8.2	20.0
2 11	7 21.14	+35 5.4	2.154	3.005	11.3	20.2
2 21	7 14.94	+34 46.4	2.236	2.997	14.0	20.3
333119 2011 WF_7			1 15.9	153.°70	0.°3/15.7	18
12 13	8 17.16	+20 31.8	1.982	2.797	13.5	22.3
12 23	8 10.66	+20 52.7	1.909	2.806	10.0	22.1
1 2	8 1.81	+21 18.8	1.860	2.813	6.0	21.9
1 12	7 51.43	+21 46.3	1.840	2.821	1.7	21.6
1 22	7 40.58	+22 11.5	1.849	2.827	2.8	21.7
2 1	7 30.47	+22 31.7	1.889	2.833	7.0	22.0
2 11	7 22.16	+22 45.5	1.956	2.838	10.8	22.2
2 21	7 16.34	+22 53.0	2.047	2.843	14.0	22.4
343492 2010 EC_{100}			1 15.9	239.°40	4.°3/13.7	18
12 13	8 13.92	+33 37.6	2.470	3.288	11.0	21.0
12 23	8 8.19	+34 21.1	2.391	3.283	8.5	20.9
1 2	8 0.31	+35 0.7	2.337	3.278	5.9	20.7
1 12	7 51.01	+35 31.4	2.312	3.273	4.3	20.6
1 22	7 41.23	+35 49.1	2.316	3.268	5.2	20.6
2 1	7 32.02	+35 52.1	2.349	3.263	7.6	20.8
2 11	7 24.37	+35 41.0	2.409	3.258	10.3	20.9
2 21	7 18.94	+35 18.1	2.492	3.252	12.8	21.1
485085 2010 EC_{132}			1 15.9	220.°38	3.°3/14.5	18
12 13	8 18.75	+28 2.4	1.912	2.734	13.6	21.9
12 23	8 12.30	+28 47.4	1.826	2.725	10.3	21.6
1 2	8 3.06	+29 33.0	1.764	2.715	6.5	21.4
1 12	7 51.85	+30 12.9	1.731	2.705	3.5	21.2
1 22	7 39.86	+30 41.5	1.727	2.694	4.8	21.2
2 1	7 28.54	+30 55.4	1.752	2.683	8.5	21.4
2 11	7 19.19	+30 54.8	1.803	2.670	12.3	21.7
2 21	7 12.69	+30 41.9	1.877	2.658	15.6	21.8

101121 1998 RO_{54} 1 15.9 75.°24 2.°1/16.5 17

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 13	8 17.87	+16 5.4	1.348	2.176	17.9	19.1
12 23	8 11.80	+15 57.2	1.292	2.193	13.5	18.8
1 2	8 2.69	+16 0.2	1.258	2.210	8.4	18.6
1 12	7 51.69	+16 11.9	1.249	2.228	3.3	18.3
1 22	7 40.28	+16 28.8	1.267	2.245	3.8	18.4
2 1	7 30.07	+16 47.5	1.312	2.262	8.7	18.8
2 11	7 22.37	+17 5.2	1.382	2.279	13.3	19.1
2 21	7 17.88	+17 20.2	1.473	2.296	17.1	19.4

204387 2004 TR_{143} 1 15.9 139.°59 1.°7/16.5 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 13	8 16.89	+15 37.2	1.833	2.643	14.6	20.9
12 23	8 10.54	+15 43.6	1.762	2.654	11.0	20.7
1 2	8 1.77	+15 59.5	1.715	2.664	6.9	20.5
1 12	7 51.43	+16 22.3	1.696	2.675	2.7	20.3
1 22	7 40.65	+16 48.8	1.706	2.684	3.1	20.3
2 1	7 30.65	+17 15.9	1.746	2.693	7.2	20.6
2 11	7 22.53	+17 41.0	1.813	2.701	11.2	20.8
2 21	7 16.97	+18 2.7	1.903	2.708	14.5	21.1

407352 2010 RB_{100} 1 15.9 71.°51 0.°6/16.1 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 13	8 15.65	+18 51.8	1.648	2.473	15.3	21.7
12 23	8 9.77	+18 55.8	1.588	2.489	11.4	21.5
1 2	8 1.33	+19 6.8	1.551	2.505	6.9	21.3
1 12	7 51.30	+19 21.7	1.541	2.521	2.1	21.0
1 22	7 40.90	+19 37.2	1.559	2.538	3.0	21.1
2 1	7 31.47	+19 50.6	1.606	2.554	7.6	21.4
2 11	7 24.12	+20 0.3	1.678	2.570	11.7	21.7
2 21	7 19.51	+20 5.8	1.773	2.586	15.1	21.9

467186 2016 EW_{116} 1 15.9 24.°35 10.°6/22.8 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 13	8 9.82	−10 50.2	1.941	2.643	17.5	20.4
12 23	8 5.29	−11 6.9	1.863	2.644	15.5	20.2
1 2	7 58.64	−10 54.4	1.802	2.646	13.3	20.1
1 12	7 50.57	−10 9.5	1.764	2.648	11.5	20.0
1 22	7 42.00	− 8 52.5	1.750	2.650	10.6	19.9
2 1	7 33.96	− 7 7.5	1.762	2.652	11.2	19.9
2 11	7 27.44	− 5 2.6	1.799	2.654	13.0	20.1
2 21	7 23.11	− 2 47.2	1.861	2.656	15.2	20.2

117768 2005 GK_{81} 1 15.9 222.°32 10.°6/21.5 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 13	8 16.60	− 6 14.4	1.272	2.027	22.7	20.1
12 23	8 11.50	− 5 55.4	1.188	2.022	19.4	19.9
1 2	8 3.00	− 4 54.2	1.121	2.015	15.6	19.6
1 12	7 51.94	− 3 6.0	1.076	2.009	12.1	19.4
1 22	7 39.71	− 0 33.7	1.055	2.001	10.6	19.3
2 1	7 28.10	+ 2 31.5	1.061	1.993	12.5	19.4
2 11	7 18.84	+ 5 51.9	1.092	1.985	16.4	19.6
2 21	7 13.08	+ 9 10.1	1.146	1.976	20.6	19.8

129337 2005 UE_{74} 1 15.9 92.°95 3.°3/16.9 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 13	8 16.88	+12 52.8	1.458	2.275	17.3	20.2
12 23	8 10.94	+12 43.7	1.397	2.290	13.3	20.0
1 2	8 2.16	+12 48.5	1.357	2.304	8.6	19.8
1 12	7 51.57	+13 5.7	1.343	2.318	4.2	19.5
1 22	7 40.52	+13 32.0	1.357	2.332	4.3	19.6
2 1	7 30.49	+14 3.6	1.398	2.346	8.5	19.9
2 11	7 22.74	+14 36.6	1.464	2.359	12.8	20.1
2 21	7 17.98	+15 7.8	1.552	2.372	16.5	20.4

66203 1999 BV_{24} 1 15.9 341.°33 5.°8/17.9 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 13	8 9.26	+ 6 19.6	1.836	2.632	15.2	18.3
12 23	8 5.00	+ 5 42.3	1.753	2.624	12.2	18.0
1 2	7 58.54	+ 5 20.3	1.691	2.617	9.0	17.8
1 12	7 50.57	+ 5 15.1	1.655	2.610	6.4	17.7
1 22	7 42.04	+ 5 26.5	1.645	2.604	6.1	17.6
2 1	7 34.05	+ 5 52.4	1.663	2.599	8.5	17.8
2 11	7 27.63	+ 6 29.0	1.706	2.594	11.7	17.9
2 21	7 23.49	+ 7 11.6	1.771	2.590	14.9	18.1

16311 1102 $T\text{-}_1$ 1 15.9 215.°95 4.°0/17.3 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 13	8 14.99	+10 40.9	1.706	2.510	15.8	18.9
12 23	8 9.44	+10 25.4	1.623	2.506	12.3	18.7
1 2	8 1.30	+10 23.7	1.562	2.501	8.4	18.4
1 12	7 51.37	+10 35.6	1.527	2.496	4.8	18.2
1 22	7 40.78	+10 59.1	1.520	2.491	4.7	18.2
2 1	7 30.82	+11 31.2	1.541	2.485	8.2	18.4
2 11	7 22.70	+12 8.0	1.589	2.479	12.3	18.6
2 21	7 17.25	+12 45.7	1.658	2.473	15.9	18.8

235690 2004 SR_{22} 1 15.9 150.°14 4.°7/14.1 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 13	8 20.42	+31 13.5	1.751	2.576	14.5	20.5
12 23	8 13.62	+32 5.4	1.685	2.583	11.0	20.3
1 2	8 3.85	+32 54.2	1.642	2.589	7.3	20.1
1 12	7 52.09	+33 32.3	1.627	2.595	4.8	19.9
1 22	7 39.75	+33 54.0	1.640	2.600	5.9	20.0
2 1	7 28.40	+33 56.9	1.681	2.605	9.4	20.2
2 11	7 19.40	+33 42.6	1.748	2.610	12.9	20.5
2 21	7 13.52	+33 14.9	1.837	2.614	16.0	20.7

262994 2007 EJ_{92} 1 15.9 160.°24 0.°5/15.6 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 13	8 13.62	+20 50.9	2.061	2.881	12.8	21.1
12 23	8 8.08	+21 18.3	1.984	2.883	9.5	20.9
1 2	8 0.31	+21 51.1	1.931	2.886	5.7	20.7
1 12	7 51.07	+22 25.4	1.907	2.888	1.6	20.4
1 22	7 41.34	+22 57.5	1.912	2.890	2.7	20.5
2 1	7 32.24	+23 24.4	1.947	2.892	6.8	20.8
2 11	7 24.76	+23 44.3	2.010	2.893	10.5	21.0
2 21	7 19.59	+23 57.0	2.096	2.895	13.6	21.2

169647 2002 JV_{36} 1 15.9 205.°89 1.°1/15.4 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 13	8 15.73	+21 38.8	1.941	2.761	13.5	20.3
12 23	8 9.89	+22 22.2	1.857	2.757	10.1	20.1
1 2	8 1.55	+23 11.7	1.798	2.752	6.1	19.8
1 12	7 51.46	+24 2.6	1.767	2.747	1.9	19.6
1 22	7 40.70	+24 49.6	1.765	2.742	3.2	19.6
2 1	7 30.52	+25 28.7	1.794	2.735	7.5	19.9
2 11	7 22.10	+25 57.7	1.849	2.729	11.4	20.1
2 21	7 16.23	+26 16.6	1.927	2.721	14.8	20.3

232963 2005 EV_{48} 1 15.9 267.°79 4.°2/14.1 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 13	8 16.11	+33 22.7	2.274	3.092	11.9	20.1
12 23	8 10.00	+33 51.0	2.187	3.080	9.1	19.9
1 2	8 1.51	+34 14.7	2.125	3.068	6.2	19.7
1 12	7 51.42	+34 28.6	2.091	3.056	4.3	19.5
1 22	7 40.79	+34 28.8	2.087	3.044	5.2	19.5
2 1	7 30.79	+34 14.1	2.111	3.032	8.0	19.7
2 11	7 22.53	+33 45.5	2.163	3.019	11.0	19.9
2 21	7 16.72	+33 6.0	2.237	3.007	13.7	20.0

236015 2005 GM_{89} 1 15.9 200.°24 0.°6/15.6 17

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 13	8 11.49	+21 53.6	2.661	3.474	10.5	21.7
12 23	8 6.09	+22 15.6	2.574	3.471	7.8	21.5
1 2	7 58.96	+22 40.7	2.514	3.468	4.7	21.3
1 12	7 50.67	+23 6.2	2.484	3.465	1.4	21.1
1 22	7 41.99	+23 29.5	2.484	3.461	2.3	21.1
2 1	7 33.74	+23 48.4	2.515	3.457	5.6	21.3
2 11	7 26.72	+24 1.8	2.575	3.453	8.7	21.5
2 21	7 21.49	+24 9.4	2.659	3.448	11.3	21.7

167666 2004 EM_{70} 1 15.9 23.°46 1.°3/15.3 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 13	8 12.20	+24 12.3	2.151	2.975	12.2	20.4
12 23	8 6.95	+24 29.5	2.075	2.977	9.0	20.2
1 2	7 59.58	+24 48.6	2.025	2.980	5.4	19.9
1 12	7 50.86	+25 6.1	2.002	2.982	1.9	19.7
1 22	7 41.72	+25 18.9	2.009	2.985	3.0	19.8
2 1	7 33.22	+25 25.1	2.045	2.987	6.7	20.0
2 11	7 26.30	+25 24.0	2.108	2.990	10.1	20.3
2 21	7 21.59	+25 16.3	2.195	2.993	13.1	20.5

351001 2003 HM_{42} 1 15.9 248.°05 0.°2/15.8 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 13	8 15.83	+19 14.7	1.757	2.579	14.6	21.1
12 23	8 10.29	+19 48.3	1.664	2.564	11.0	20.8
1 2	8 1.97	+20 31.1	1.595	2.549	6.7	20.6
1 12	7 51.63	+21 18.9	1.552	2.534	1.9	20.2
1 22	7 40.40	+22 6.4	1.539	2.517	3.1	20.3
2 1	7 29.67	+22 48.9	1.555	2.501	8.0	20.5
2 11	7 20.81	+23 23.3	1.597	2.483	12.5	20.7
2 21	7 14.73	+23 48.9	1.661	2.466	16.3	20.9

459473 2013 CF_{16} 1 15.9 36.°56 1.°0/16.3 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 13	8 13.22	+15 44.2	1.297	2.134	17.9	20.8
12 23	8 8.70	+16 23.7	1.235	2.142	13.5	20.6
1 2	8 1.08	+17 18.7	1.194	2.150	8.3	20.3
1 12	7 51.35	+18 24.1	1.178	2.158	2.7	20.0
1 22	7 40.96	+19 32.7	1.188	2.167	3.5	20.1
2 1	7 31.56	+20 37.4	1.224	2.177	8.9	20.4
2 11	7 24.57	+21 33.2	1.285	2.186	13.8	20.7
2 21	7 20.83	+22 17.9	1.367	2.197	17.8	21.0

252946 2002 PE_{58} 1 15.9 122.°12 2.°6/16.9 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 13	8 15.49	+13 14.6	1.971	2.773	14.0	21.2
12 23	8 9.31	+13 8.4	1.903	2.788	10.7	21.0
1 2	8 0.97	+13 12.4	1.858	2.802	6.9	20.8
1 12	7 51.25	+13 25.1	1.841	2.815	3.4	20.6
1 22	7 41.17	+13 44.4	1.854	2.829	3.4	20.6
2 1	7 31.83	+14 7.5	1.897	2.841	6.9	20.9
2 11	7 24.19	+14 31.9	1.966	2.853	10.5	21.1
2 21	7 18.88	+14 55.4	2.060	2.865	13.6	21.3

153868 2001 XR_{83} 1 15.9 17.°38 6.°9/17.8 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 13	8 10.73	+ 7 58.7	1.291	2.113	18.9	19.0
12 23	8 6.63	+ 6 56.5	1.233	2.121	15.1	18.8
1 2	7 59.69	+ 6 12.8	1.195	2.130	10.9	18.6
1 12	7 50.93	+ 5 50.3	1.180	2.141	7.6	18.5
1 22	7 41.69	+ 5 49.0	1.190	2.153	7.3	18.5
2 1	7 33.44	+ 6 6.2	1.224	2.166	10.2	18.7
2 11	7 27.44	+ 6 36.8	1.282	2.180	14.0	18.9
2 21	7 24.41	+ 7 14.7	1.359	2.196	17.6	19.2

490497 2009 UM_{19} 1 15.9 78.°55 2.°7/15.1 17

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 13	8 21.30	+25 1.9	1.270	2.110	18.1	21.4
12 23	8 14.65	+25 40.7	1.223	2.132	13.4	21.2
1 2	8 4.54	+26 22.0	1.197	2.153	8.1	20.9
1 12	7 52.28	+26 58.0	1.196	2.175	3.2	20.7
1 22	7 39.65	+27 22.4	1.222	2.196	4.8	20.9
2 1	7 28.51	+27 32.3	1.275	2.217	9.7	21.2
2 11	7 20.31	+27 28.5	1.351	2.238	14.3	21.5
2 21	7 15.75	+27 14.2	1.448	2.259	18.0	21.8

323155 2003 FH_{20} 1 15.9 293.°99 7.°0/12.7 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 13	8 17.71	+37 8.7	1.821	2.645	14.1	20.2
12 23	8 11.89	+38 23.6	1.752	2.642	11.2	20.0
1 2	8 2.98	+39 31.9	1.706	2.639	8.4	19.8
1 12	7 51.92	+40 24.6	1.687	2.636	7.0	19.8
1 22	7 40.11	+40 54.8	1.695	2.632	8.1	19.8
2 1	7 29.16	+40 59.9	1.729	2.629	10.8	20.0
2 11	7 20.54	+40 42.0	1.788	2.626	13.8	20.1
2 21	7 15.12	+40 5.9	1.867	2.623	16.5	20.3

106529 2000 WZ_{57} 1 15.9 354.°66 1.°6/15.3 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 13	8 10.53	+21 52.2	1.144	2.003	18.3	18.7
12 23	8 7.28	+22 30.9	1.078	1.997	13.7	18.5
1 2	8 0.52	+23 19.1	1.031	1.993	8.3	18.1
1 12	7 51.27	+24 10.3	1.008	1.989	2.6	17.8
1 22	7 41.13	+24 56.7	1.009	1.987	4.4	17.9
2 1	7 32.00	+25 32.1	1.035	1.986	10.2	18.2
2 11	7 25.57	+25 53.8	1.082	1.987	15.4	18.5
2 21	7 22.80	+26 2.1	1.149	1.989	19.9	18.8

439313 2012 VE_{82} 1 15.9 173.°00 0.°3/15.7 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 13	8 20.45	+19 39.5	2.442	3.238	11.8	24.7
12 23	8 12.82	+20 21.1	2.357	3.245	8.8	24.5
1 2	8 3.07	+21 8.3	2.300	3.250	5.3	24.3
1 12	7 51.89	+21 57.0	2.274	3.254	1.5	24.0
1 22	7 40.20	+22 43.1	2.280	3.257	2.5	24.1
2 1	7 29.04	+23 23.3	2.319	3.258	6.2	24.4
2 11	7 19.40	+23 55.8	2.388	3.257	9.6	24.6
2 21	7 11.92	+24 20.4	2.482	3.255	12.5	24.8

461770 2005 UT_{328} 1 15.9 101.°61 3.°2/17.2 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 13	8 12.51	+11 37.6	1.907	2.712	14.3	21.7
12 23	8 7.29	+11 31.5	1.831	2.716	11.1	21.5
1 2	7 59.86	+11 37.6	1.779	2.721	7.4	21.3
1 12	7 50.98	+11 54.8	1.754	2.725	4.0	21.1
1 22	7 41.64	+12 21.0	1.757	2.730	3.8	21.1
2 1	7 32.94	+12 53.0	1.789	2.734	7.2	21.3
2 11	7 25.88	+13 27.5	1.848	2.739	10.8	21.5
2 21	7 21.13	+14 1.6	1.930	2.743	14.0	21.7

48436 1989 VK 1 15.9 43.°01 1.°2/16.2 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 13	8 17.21	+18 6.8	1.252	2.090	18.4	17.7
12 23	8 11.23	+18 2.8	1.215	2.122	13.6	17.5
1 2	8 2.27	+18 8.4	1.200	2.155	8.2	17.3
1 12	7 51.61	+18 20.0	1.209	2.189	2.7	17.1
1 22	7 40.85	+18 33.7	1.244	2.223	3.4	17.2
2 1	7 31.54	+18 46.5	1.306	2.257	8.5	17.6
2 11	7 24.87	+18 56.3	1.392	2.292	13.0	18.0
2 21	7 21.39	+19 2.5	1.499	2.327	16.7	18.3

105670 2000 SK_{40} 1 15.9 158.°62 5.°8/12.3 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 13	8 16.13	+41 20.1	2.906	3.704	10.1	20.4
12 23	8 9.70	+42 16.7	2.840	3.708	8.2	20.3
1 2	8 1.19	+43 5.1	2.800	3.713	6.5	20.2
1 12	7 51.35	+43 40.2	2.789	3.717	5.8	20.1
1 22	7 41.09	+43 58.3	2.806	3.721	6.4	20.2
2 1	7 31.44	+43 58.3	2.852	3.725	8.0	20.3
2 11	7 23.33	+43 41.6	2.923	3.728	9.9	20.4
2 21	7 17.39	+43 11.4	3.018	3.731	11.7	20.6

363260 2002 DY_5 1 15.9 316.°13 1.°0/16.1 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 13	8 17.51	+19 58.2	1.466	2.296	16.6	20.3
12 23	8 11.71	+19 31.4	1.388	2.292	12.5	20.1
1 2	8 2.85	+19 9.2	1.333	2.288	7.7	19.8
1 12	7 51.89	+18 49.6	1.303	2.284	2.5	19.4
1 22	7 40.26	+18 30.9	1.301	2.280	3.4	19.5
2 1	7 29.55	+18 12.1	1.327	2.277	8.7	19.8
2 11	7 21.19	+17 53.1	1.377	2.273	13.4	20.1
2 21	7 16.02	+17 34.0	1.449	2.270	17.5	20.3

108356 2001 KK_{11} 1 15.9 123.°19 4.°4/17.9 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 13	8 15.09	+ 6 55.7	2.348	3.119	13.0	20.0
12 23	8 8.65	+ 6 32.5	2.281	3.140	10.3	19.8
1 2	8 0.43	+ 6 21.8	2.238	3.160	7.4	19.7
1 12	7 51.11	+ 6 23.5	2.223	3.179	4.9	19.6
1 22	7 41.54	+ 6 36.6	2.238	3.198	4.7	19.6
2 1	7 32.59	+ 6 59.1	2.284	3.216	6.8	19.7
2 11	7 25.07	+ 7 28.0	2.358	3.233	9.5	19.9
2 21	7 19.49	+ 8 0.3	2.457	3.249	12.0	20.1

50723 2000 EG_{143} 1 15.9 281.°06 6.°1/17.6 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 13	8 13.51	+ 7 3.1	1.768	2.560	15.8	19.2
12 23	8 8.34	+ 6 11.2	1.677	2.547	12.7	19.0
1 2	8 0.69	+ 5 32.9	1.609	2.534	9.4	18.8
1 12	7 51.29	+ 5 10.8	1.565	2.521	6.7	18.6
1 22	7 41.17	+ 5 5.3	1.549	2.508	6.5	18.5
2 1	7 31.57	+ 5 15.6	1.561	2.495	9.1	18.7
2 11	7 23.67	+ 5 38.3	1.598	2.481	12.7	18.8
2 21	7 18.28	+ 6 9.2	1.657	2.468	16.1	19.0

1543 Bourgeois 1 15.9 145.°36 0.°6/16.1 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 13	8 16.28	+19 0.9	2.557	3.358	11.2	17.4
12 23	8 9.50	+18 59.6	2.483	3.371	8.4	17.2
1 2	8 0.94	+19 2.1	2.435	3.384	5.1	17.0
1 12	7 51.27	+19 6.6	2.417	3.397	1.6	16.8
1 22	7 41.32	+19 11.1	2.430	3.408	2.2	16.8
2 1	7 31.98	+19 14.3	2.475	3.419	5.6	17.1
2 11	7 24.04	+19 15.4	2.550	3.429	8.7	17.3
2 21	7 18.04	+19 14.2	2.650	3.438	11.4	17.5

350723 2001 XB_{155} 1 15.9 50.°05 1.°2/15.4 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 13	8 16.61	+19 54.7	1.155	2.002	19.0	19.9
12 23	8 11.30	+20 55.0	1.113	2.026	14.0	19.7
1 2	8 2.60	+22 5.6	1.093	2.052	8.3	19.4
1 12	7 51.79	+23 18.0	1.097	2.078	2.4	19.2
1 22	7 40.59	+24 23.4	1.127	2.105	4.1	19.3
2 1	7 30.82	+25 15.5	1.183	2.132	9.6	19.7
2 11	7 23.91	+25 52.1	1.262	2.159	14.3	20.1
2 21	7 20.54	+26 14.1	1.361	2.186	18.2	20.4

456489 2006 WE_{139} 1 15.9 60.°84 0.°2/15.9 16

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 13	8 17.76	+17 34.5	1.523	2.346	16.4	21.0
12 23	8 11.30	+18 20.6	1.483	2.384	12.1	20.9
1 2	8 2.23	+19 16.0	1.467	2.422	7.2	20.7
1 12	7 51.63	+20 15.1	1.478	2.459	2.1	20.4
1 22	7 40.85	+21 11.7	1.517	2.496	3.0	20.6
2 1	7 31.27	+22 1.0	1.585	2.533	7.7	21.0
2 11	7 23.99	+22 40.7	1.680	2.569	11.8	21.3
2 21	7 19.57	+23 10.3	1.796	2.605	15.1	21.6

51989 2001 ST_{286} 1 15.9 316.°26 9.°9/ 9.1 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 13	8 18.90	+48 6.4	2.170	2.962	13.2	17.4
12 23	8 13.07	+49 54.0	2.106	2.954	11.5	17.3
1 2	8 3.90	+51 28.8	2.066	2.946	10.2	17.2
1 12	7 52.27	+52 41.1	2.052	2.938	10.0	17.1
1 22	7 39.61	+53 23.9	2.063	2.930	10.9	17.2
2 1	7 27.70	+53 34.9	2.098	2.922	12.5	17.3
2 11	7 18.20	+53 16.9	2.155	2.915	14.4	17.4
2 21	7 12.14	+52 35.9	2.230	2.908	16.2	17.5

160190 2001 XA_{204} 1 15.9 64.°74 0.°8/16.2 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 13	8 13.08	+17 1.0	1.734	2.557	14.7	20.3
12 23	8 7.92	+17 28.6	1.668	2.568	11.0	20.0
1 2	8 0.32	+18 6.0	1.625	2.579	6.7	19.8
1 12	7 51.14	+18 49.6	1.609	2.590	2.1	19.5
1 22	7 41.50	+19 34.6	1.622	2.601	2.8	19.6
2 1	7 32.63	+20 17.1	1.663	2.612	7.3	19.9
2 11	7 25.64	+20 53.8	1.731	2.623	11.3	20.2
2 21	7 21.20	+21 23.4	1.821	2.635	14.7	20.4

256330 2006 XF_{25} 1 15.9 122.°50 1.°6/15.2 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 13	8 15.09	+23 23.3	1.877	2.703	13.7	20.6
12 23	8 9.38	+24 0.1	1.806	2.709	10.1	20.4
1 2	8 1.21	+24 40.9	1.760	2.715	6.1	20.2
1 12	7 51.40	+25 20.5	1.741	2.721	2.1	19.9
1 22	7 41.09	+25 54.3	1.752	2.727	3.4	20.0
2 1	7 31.52	+26 19.1	1.791	2.733	7.5	20.3
2 11	7 23.82	+26 33.8	1.857	2.738	11.3	20.5
2 21	7 18.70	+26 39.0	1.946	2.743	14.5	20.8

134252 2006 AK_{41} 1 15.9 341.°97 2.°6/16.8 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 13	8 11.77	+14 4.9	1.248	2.086	18.4	19.5
12 23	8 7.89	+14 12.2	1.174	2.080	14.1	19.2
1 2	8 0.78	+14 36.0	1.120	2.074	9.1	18.9
1 12	7 51.37	+15 14.1	1.090	2.068	3.9	18.6
1 22	7 41.08	+16 1.7	1.085	2.064	4.1	18.6
2 1	7 31.62	+16 52.9	1.106	2.060	9.4	18.9
2 11	7 24.56	+17 42.2	1.150	2.057	14.5	19.2
2 21	7 20.86	+18 25.6	1.214	2.054	19.0	19.5

187349 2005 UT_{200} 1 15.9 205.°56 2.°2/16.8 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 13	8 12.95	+13 50.5	2.195	2.997	12.8	20.9
12 23	8 7.46	+13 51.8	2.108	2.994	9.8	20.7
1 2	7 59.93	+14 2.4	2.045	2.990	6.3	20.5
1 12	7 51.04	+14 20.9	2.010	2.986	2.9	20.3
1 22	7 41.64	+14 45.0	2.005	2.981	3.0	20.3
2 1	7 32.75	+15 12.1	2.030	2.976	6.5	20.5
2 11	7 25.28	+15 39.7	2.083	2.970	10.0	20.7
2 21	7 19.90	+16 5.7	2.160	2.965	13.0	20.9

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
100208 1994 JD_2			1 15.9	264.°94	1.°6/16.7	18
12 13	8 10.47	+15 8.1	2.343	3.151	11.9	20.6
12 23	8 5.56	+15 13.9	2.253	3.143	9.0	20.4
1 2	7 58.77	+15 27.8	2.187	3.134	5.7	20.1
1 12	7 50.70	+15 48.1	2.149	3.126	2.4	19.9
1 22	7 42.16	+16 12.7	2.141	3.118	2.6	19.9
2 1	7 34.05	+16 39.0	2.163	3.110	6.0	20.1
2 11	7 27.24	+17 4.9	2.213	3.101	9.4	20.3
2 21	7 22.33	+17 28.6	2.287	3.093	12.4	20.5
139268 2001 HZ_{56}			1 15.9	190.°88	0.°5/15.7	18
12 13	8 19.17	+21 20.0	1.821	2.638	14.4	20.7
12 23	8 12.52	+21 36.2	1.739	2.637	10.8	20.5
1 2	8 3.17	+21 57.4	1.681	2.635	6.5	20.2
1 12	7 51.99	+22 19.4	1.652	2.633	1.9	19.9
1 22	7 40.16	+22 38.2	1.652	2.629	3.1	20.0
2 1	7 29.07	+22 51.2	1.681	2.625	7.7	20.3
2 11	7 19.97	+22 57.2	1.738	2.620	11.9	20.5
2 21	7 13.64	+22 56.7	1.817	2.615	15.4	20.7
3919 Maryanning			1 15.9	176.°86	1.°6/16.5	18
12 13	8 17.35	+15 11.7	1.824	2.632	14.7	17.9
12 23	8 11.07	+15 28.3	1.744	2.635	11.2	17.7
1 2	8 2.26	+15 55.7	1.688	2.637	7.0	17.5
1 12	7 51.72	+16 30.9	1.660	2.638	2.7	17.2
1 22	7 40.58	+17 10.2	1.661	2.639	3.1	17.2
2 1	7 30.12	+17 49.6	1.692	2.638	7.4	17.5
2 11	7 21.50	+18 26.0	1.750	2.637	11.5	17.7
2 21	7 15.51	+18 57.5	1.831	2.635	15.0	18.0
8036 Maehara			1 15.9	124.°07	2.°2/14.7	18
12 13	8 13.48	+26 40.8	2.467	3.285	11.0	18.0
12 23	8 7.68	+27 21.6	2.398	3.297	8.2	17.9
1 2	7 59.97	+28 2.7	2.356	3.308	5.1	17.7
1 12	7 51.02	+28 40.0	2.342	3.318	2.4	17.5
1 22	7 41.72	+29 9.9	2.359	3.329	3.4	17.6
2 1	7 33.00	+29 30.1	2.407	3.339	6.4	17.8
2 11	7 25.74	+29 40.1	2.482	3.349	9.4	18.0
2 21	7 20.51	+29 41.0	2.581	3.358	11.9	18.2
404301 2013 EE_{115}			1 15.9	257.°05	0.°8/16.2	18
12 13	8 15.47	+17 52.9	1.684	2.506	15.1	21.7
12 23	8 10.06	+18 4.4	1.594	2.493	11.5	21.4
1 2	8 1.86	+18 25.0	1.526	2.480	7.1	21.1
1 12	7 51.66	+18 51.6	1.486	2.466	2.3	20.8
1 22	7 40.62	+19 20.5	1.473	2.452	3.1	20.8
2 1	7 30.16	+19 47.7	1.489	2.438	8.0	21.1
2 11	7 21.63	+20 10.8	1.531	2.423	12.6	21.3
2 21	7 15.93	+20 28.4	1.595	2.408	16.5	21.5
371995 2008 HJ_9			1 15.9	292.°78	2.°0/16.6	17
12 13	8 12.92	+15 28.4	1.723	2.543	14.9	21.6
12 23	8 8.16	+15 28.2	1.624	2.521	11.5	21.4
1 2	8 0.73	+15 38.6	1.549	2.499	7.3	21.1
1 12	7 51.35	+15 57.7	1.499	2.478	3.0	20.8
1 22	7 41.08	+16 23.0	1.478	2.456	3.4	20.7
2 1	7 31.27	+16 50.9	1.485	2.434	8.0	21.0
2 11	7 23.21	+17 18.4	1.517	2.412	12.5	21.2
2 21	7 17.82	+17 43.3	1.571	2.390	16.4	21.4
337156 1999 TY_{335}			1 15.9	86.°79	3.°6/14.8	17
12 13	8 21.94	+27 2.3	1.355	2.191	17.4	21.6
12 23	8 15.06	+27 51.0	1.306	2.213	12.9	21.4
1 2	8 4.80	+28 40.0	1.279	2.234	8.0	21.1
1 12	7 52.42	+29 20.8	1.279	2.255	3.9	21.0
1 22	7 39.65	+29 46.9	1.306	2.276	5.4	21.1
2 1	7 28.30	+29 55.7	1.359	2.297	9.8	21.4
2 11	7 19.83	+29 48.7	1.437	2.317	14.1	21.7
2 21	7 14.94	+29 29.8	1.536	2.337	17.6	22.0
99626 2002 GT_{91}			1 15.9	204.°84	3.°1/14.6	18
12 13	8 17.70	+27 21.0	1.940	2.763	13.4	20.4
12 23	8 11.47	+28 8.3	1.859	2.759	10.1	20.2
1 2	8 2.57	+28 56.8	1.802	2.754	6.3	20.0
1 12	7 51.83	+29 40.4	1.774	2.749	3.3	19.8
1 22	7 40.41	+30 13.5	1.775	2.743	4.5	19.8
2 1	7 29.65	+30 33.0	1.805	2.737	8.2	20.0
2 11	7 20.81	+30 38.4	1.862	2.730	11.9	20.3
2 21	7 14.70	+30 31.8	1.941	2.723	15.1	20.5
109425 2001 QU_{194}			1 15.9	352.°73	0.°7/15.8	18
12 13	8 17.19	+24 35.7	1.508	2.344	15.9	18.0
12 23	8 11.41	+24 8.3	1.433	2.340	11.9	17.7
1 2	8 2.61	+23 40.3	1.380	2.337	7.2	17.5
1 12	7 51.83	+23 8.8	1.354	2.335	2.1	17.1
1 22	7 40.49	+22 32.2	1.355	2.333	3.4	17.2
2 1	7 30.16	+21 50.8	1.383	2.332	8.5	17.5
2 11	7 22.20	+21 6.3	1.437	2.332	13.1	17.8
2 21	7 17.39	+20 20.8	1.513	2.332	17.0	18.0

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
461545 2003 UP_{345}			1 15.9	281.°90	0.°6/15.7	18
12 13	8 12.88	+21 46.4	2.052	2.875	12.8	21.3
12 23	8 7.62	+22 1.9	1.968	2.869	9.5	21.1
1 2	8 0.12	+22 21.4	1.909	2.864	5.7	20.8
1 12	7 51.11	+22 41.9	1.878	2.859	1.7	20.6
1 22	7 41.58	+22 59.9	1.877	2.854	2.8	20.6
2 1	7 32.63	+23 13.0	1.904	2.849	6.8	20.9
2 11	7 25.29	+23 20.0	1.959	2.844	10.6	21.1
2 21	7 20.27	+23 21.0	2.037	2.839	13.8	21.3
89426 2001 WU_{38}			1 15.9	90.°30	0.°5/16.1	17
12 13	8 18.03	+17 8.2	1.542	2.364	16.3	20.5
12 23	8 11.69	+17 44.9	1.488	2.387	12.1	20.3
1 2	8 2.60	+18 32.1	1.457	2.411	7.3	20.1
1 12	7 51.80	+19 24.7	1.453	2.434	2.2	19.8
1 22	7 40.61	+20 17.0	1.478	2.456	3.1	19.9
2 1	7 30.49	+21 4.1	1.531	2.479	7.9	20.3
2 11	7 22.63	+21 43.1	1.610	2.500	12.2	20.6
2 21	7 17.70	+22 13.1	1.711	2.521	15.7	20.8
347411 2012 SV_{32}			1 15.9	2.°83	2.°3/16.6	18
12 13	8 12.38	+15 4.8	1.083	1.932	19.8	20.6
12 23	8 8.64	+15 11.6	1.019	1.931	15.1	20.3
1 2	8 1.34	+15 35.3	0.974	1.930	9.6	20.0
1 12	7 51.55	+16 12.9	0.951	1.931	3.8	19.7
1 22	7 40.90	+16 59.0	0.953	1.932	4.2	19.7
2 1	7 31.31	+17 46.9	0.979	1.934	10.0	20.0
2 11	7 24.47	+18 31.2	1.027	1.937	15.5	20.3
2 21	7 21.34	+19 8.4	1.093	1.941	20.1	20.6
37099 2000 UM_{94}			1 15.9	245.°37	2.°7/16.9	18
12 13	8 13.55	+13 12.9	2.254	3.051	12.6	19.5
12 23	8 7.93	+12 55.0	2.155	3.038	9.7	19.3
1 2	8 0.26	+12 45.3	2.081	3.023	6.5	19.1
1 12	7 51.16	+12 43.4	2.036	3.008	3.4	18.9
1 22	7 41.50	+12 48.1	2.020	2.993	3.4	18.8
2 1	7 32.27	+12 57.8	2.035	2.978	6.6	19.0
2 11	7 24.40	+13 10.6	2.077	2.962	10.1	19.2
2 21	7 18.59	+13 24.7	2.143	2.945	13.2	19.4
419001 2009 OW_{21}			1 15.9	140.°84	3.°5/17.6	18
12 13	8 13.74	+ 8 50.7	2.591	3.366	11.8	22.8
12 23	8 7.59	+ 8 37.9	2.516	3.381	9.2	22.7
1 2	7 59.80	+ 8 35.4	2.467	3.395	6.4	22.5
1 12	7 50.98	+ 8 42.8	2.446	3.409	4.0	22.4
1 22	7 41.87	+ 8 58.9	2.456	3.422	3.8	22.4
2 1	7 33.29	+ 9 21.8	2.497	3.434	6.0	22.5
2 11	7 25.97	+ 9 48.9	2.567	3.445	8.7	22.7
2 21	7 20.41	+10 17.9	2.663	3.455	11.2	22.9
42462 5278 $T\text{-}_3$			1 15.9	98.°03	1.°4/15.3	18
12 13	8 16.69	+21 9.5	1.648	2.475	15.2	19.5
12 23	8 10.77	+22 7.4	1.587	2.491	11.2	19.3
1 2	8 2.12	+23 12.6	1.551	2.506	6.7	19.1
1 12	7 51.69	+24 18.5	1.541	2.522	2.1	18.8
1 22	7 40.76	+25 18.5	1.561	2.537	3.6	18.9
2 1	7 30.73	+26 7.7	1.609	2.552	8.1	19.2
2 11	7 22.83	+26 44.1	1.684	2.567	12.2	19.5
2 21	7 17.81	+27 8.0	1.780	2.581	15.6	19.8
208385 2001 SB_{130}			1 15.9	14.°59	5.°7/13.9	18
12 13	8 15.74	+35 49.2	1.868	2.695	13.7	19.5
12 23	8 10.08	+36 23.9	1.803	2.698	10.6	19.3
1 2	8 1.69	+36 50.9	1.763	2.703	7.6	19.1
1 12	7 51.56	+37 4.0	1.748	2.707	5.7	19.0
1 22	7 41.00	+36 59.1	1.762	2.713	6.6	19.1
2 1	7 31.43	+36 35.1	1.802	2.719	9.3	19.3
2 11	7 24.02	+35 54.7	1.867	2.725	12.4	19.5
2 21	7 19.49	+35 2.4	1.954	2.732	15.2	19.7
189626 2001 HV_{25}			1 15.9	192.°17	4.°5/14.2	18
12 13	8 20.84	+30 5.9	1.706	2.532	14.8	21.0
12 23	8 14.19	+31 3.4	1.631	2.531	11.3	20.8
1 2	8 4.39	+31 59.9	1.580	2.529	7.4	20.5
1 12	7 52.39	+32 47.3	1.557	2.527	4.6	20.4
1 22	7 39.63	+33 18.8	1.561	2.524	5.9	20.4
2 1	7 27.73	+33 31.0	1.594	2.520	9.6	20.7
2 11	7 18.18	+33 24.9	1.652	2.516	13.5	20.9
2 21	7 11.87	+33 4.2	1.732	2.511	16.8	21.1
209496 2004 JJ_{11}			1 15.9	235.°19	0.°3/15.7	18
12 13	8 10.15	+19 9.2	2.701	3.511	10.4	20.4
12 23	8 5.20	+19 59.1	2.609	3.504	7.7	20.3
1 2	7 58.52	+20 55.5	2.543	3.496	4.6	20.0
1 12	7 50.66	+21 55.2	2.508	3.489	1.3	19.8
1 22	7 42.32	+22 54.3	2.503	3.481	2.2	19.9
2 1	7 34.31	+23 49.4	2.530	3.472	5.5	20.1
2 11	7 27.41	+24 37.8	2.586	3.464	8.6	20.3
2 21	7 22.22	+25 18.4	2.667	3.456	11.3	20.4

408532 2013 JF_{48} 1 15.9 140.°89 1.°0/15.4 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 13	8 14.76	+20 36.1	2.029	2.847	13.1	21.1
12 23	8 9.00	+21 32.4	1.957	2.856	9.7	20.9
1 2	8 0.95	+22 35.6	1.909	2.863	5.8	20.6
1 12	7 51.37	+23 40.5	1.890	2.871	1.8	20.4
1 22	7 41.26	+24 41.7	1.902	2.878	3.0	20.5
2 1	7 31.77	+25 34.8	1.943	2.884	7.0	20.8
2 11	7 23.95	+26 17.3	2.012	2.891	10.7	21.0
2 21	7 18.51	+26 48.8	2.105	2.896	13.8	21.2

34007 2000 OS_{11} 1 15.9 152.°74 0.°7/16.2 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 13	8 14.48	+17 58.5	2.343	3.149	11.9	19.9
12 23	8 8.41	+18 7.9	2.266	3.157	8.9	19.7
1 2	8 0.41	+18 23.0	2.215	3.165	5.5	19.5
1 12	7 51.18	+18 41.5	2.192	3.172	1.8	19.2
1 22	7 41.59	+19 1.0	2.201	3.179	2.3	19.3
2 1	7 32.57	+19 19.2	2.240	3.185	6.0	19.5
2 11	7 25.00	+19 34.5	2.307	3.191	9.3	19.8
2 21	7 19.46	+19 46.3	2.400	3.195	12.2	20.0

39376 2002 CU_{105} 1 15.9 152.°93 0.°4/15.7 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 13	8 17.08	+20 38.9	2.056	2.869	13.1	19.3
12 23	8 10.62	+21 6.5	1.982	2.878	9.7	19.1
1 2	8 1.86	+21 39.3	1.934	2.887	5.8	18.9
1 12	7 51.62	+22 13.3	1.914	2.895	1.7	18.6
1 22	7 40.91	+22 44.7	1.925	2.902	2.7	18.7
2 1	7 30.91	+23 10.4	1.966	2.909	6.8	19.0
2 11	7 22.63	+23 29.1	2.034	2.915	10.5	19.2
2 21	7 16.76	+23 40.7	2.127	2.920	13.6	19.4

170227 2003 QL_{18} 1 15.9 81.°57 0.°7/16.2 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 13	8 17.12	+17 48.2	1.576	2.399	16.0	20.5
12 23	8 10.96	+18 5.8	1.521	2.421	11.9	20.3
1 2	8 2.15	+18 32.2	1.489	2.443	7.2	20.0
1 12	7 51.69	+19 3.7	1.483	2.464	2.3	19.8
1 22	7 40.88	+19 35.7	1.506	2.485	3.0	19.9
2 1	7 31.11	+20 4.6	1.557	2.506	7.7	20.2
2 11	7 23.53	+20 28.2	1.634	2.526	11.9	20.5
2 21	7 18.80	+20 45.6	1.734	2.546	15.4	20.8

255844 2006 SH_{117} 1 15.9 32.°46 8.°9/19.6 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 13	8 11.18	− 0 36.4	1.614	2.386	17.9	20.4
12 23	8 6.63	− 1 20.3	1.544	2.390	15.0	20.2
1 2	7 59.63	− 1 40.5	1.494	2.395	12.0	20.0
1 12	7 51.01	− 1 33.8	1.468	2.400	9.6	19.9
1 22	7 41.85	− 1 0.6	1.466	2.405	8.9	19.8
2 1	7 33.38	− 0 4.3	1.490	2.411	10.5	19.9
2 11	7 26.73	+ 1 8.3	1.538	2.417	13.3	20.1
2 21	7 22.63	+ 2 29.5	1.608	2.424	16.3	20.3

502487 2015 BJ_{356} 1 15.9 258.°13 3.°1/17.7 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 13	8 9.38	+ 9 11.7	2.389	3.179	12.2	21.1
12 23	8 4.73	+ 9 27.7	2.298	3.173	9.6	20.9
1 2	7 58.28	+ 9 56.6	2.230	3.166	6.5	20.7
1 12	7 50.61	+10 37.1	2.191	3.159	3.8	20.6
1 22	7 42.46	+11 26.8	2.181	3.152	3.5	20.5
2 1	7 34.70	+12 22.4	2.201	3.145	6.2	20.7
2 11	7 28.14	+13 20.1	2.249	3.138	9.3	20.9
2 21	7 23.39	+14 16.6	2.323	3.130	12.1	21.0

253120 2002 VT_1 1 15.9 142.°43 0.°3/16.0 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 13	8 15.37	+18 49.9	2.058	2.871	13.1	21.8
12 23	8 9.32	+19 10.2	1.985	2.881	9.8	21.6
1 2	8 1.07	+19 36.8	1.937	2.890	5.9	21.4
1 12	7 51.39	+20 6.6	1.917	2.898	1.7	21.1
1 22	7 41.29	+20 36.0	1.928	2.906	2.6	21.2
2 1	7 31.86	+21 2.3	1.968	2.913	6.6	21.5
2 11	7 24.10	+21 23.5	2.036	2.920	10.3	21.7
2 21	7 18.65	+21 39.1	2.128	2.927	13.4	21.9

401043 2011 SZ_{260} 1 15.9 199.°12 3.°0/14.8 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 13	8 17.36	+26 18.8	1.658	2.489	14.9	21.2
12 23	8 11.54	+27 4.8	1.584	2.488	11.2	21.0
1 2	8 2.76	+27 53.1	1.532	2.487	6.9	20.7
1 12	7 51.94	+28 37.1	1.508	2.485	3.3	20.5
1 22	7 40.41	+29 10.7	1.512	2.484	4.7	20.6
2 1	7 29.71	+29 30.1	1.544	2.481	8.9	20.8
2 11	7 21.20	+29 35.0	1.602	2.479	13.0	21.1
2 21	7 15.75	+29 27.5	1.681	2.477	16.5	21.3

281132 2007 CL_{44} 1 15.9 41.°51 3.°1/17.0 17

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 13	8 14.09	+12 42.4	1.171	2.007	19.5	20.4
12 23	8 9.55	+12 55.2	1.112	2.015	14.9	20.2
1 2	8 1.71	+13 27.1	1.073	2.025	9.6	19.9
1 12	7 51.65	+14 14.9	1.057	2.034	4.4	19.6
1 22	7 40.93	+15 12.9	1.067	2.045	4.3	19.7
2 1	7 31.32	+16 13.9	1.102	2.055	9.5	20.0
2 11	7 24.31	+17 11.9	1.160	2.067	14.5	20.3
2 21	7 20.76	+18 2.7	1.239	2.078	18.7	20.6

163632 2002 UG_{18} 1 15.9 135.°25 8.°3/20.7 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 13	8 10.07	− 7 40.4	2.656	3.353	13.4	20.1
12 23	8 4.95	− 8 26.4	2.581	3.362	11.7	20.0
1 2	7 58.28	− 8 53.8	2.528	3.370	10.0	19.9
1 12	7 50.60	− 9 0.2	2.499	3.379	8.7	19.8
1 22	7 42.60	− 8 45.1	2.496	3.387	8.3	19.8
2 1	7 35.02	− 8 10.1	2.521	3.395	8.9	19.9
2 11	7 28.58	− 7 18.9	2.571	3.402	10.3	20.0
2 21	7 23.76	− 6 16.5	2.645	3.409	12.0	20.1

282891 2007 GE_8 1 15.9 153.°99 2.°4/16.9 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 13	8 17.02	+13 37.2	1.824	2.629	14.9	21.8
12 23	8 10.75	+13 41.8	1.750	2.637	11.3	21.6
1 2	8 2.04	+13 57.7	1.699	2.644	7.3	21.4
1 12	7 51.71	+14 22.9	1.675	2.651	3.3	21.2
1 22	7 40.88	+14 54.2	1.681	2.657	3.4	21.2
2 1	7 30.78	+15 28.3	1.717	2.663	7.4	21.4
2 11	7 22.53	+16 1.9	1.779	2.668	11.3	21.7
2 21	7 16.83	+16 32.8	1.865	2.672	14.7	21.9

446860 2001 UU_{214} 1 15.9 88.°78 1.°5/15.4 15

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 13	8 20.15	+22 40.5	1.513	2.341	16.3	22.3
12 23	8 13.37	+23 19.6	1.463	2.366	12.0	22.1
1 2	8 3.67	+24 3.2	1.435	2.391	7.2	21.9
1 12	7 52.17	+24 45.0	1.435	2.415	2.3	21.7
1 22	7 40.33	+25 19.4	1.463	2.439	3.8	21.8
2 1	7 29.70	+25 43.0	1.519	2.462	8.4	22.1
2 11	7 21.53	+25 55.2	1.600	2.485	12.6	22.4
2 21	7 16.48	+25 57.6	1.704	2.507	16.0	22.7

283943 2004 PL_{61} 1 15.9 102.°80 3.°6/17.4 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 13	8 15.50	+10 44.2	1.570	2.379	16.7	21.0
12 23	8 9.88	+10 48.9	1.505	2.391	12.9	20.7
1 2	8 1.61	+11 9.7	1.461	2.404	8.6	20.5
1 12	7 51.61	+11 44.9	1.444	2.416	4.6	20.3
1 22	7 41.12	+12 30.6	1.454	2.428	4.3	20.3
2 1	7 31.49	+13 22.1	1.492	2.439	8.1	20.6
2 11	7 23.91	+14 14.4	1.556	2.450	12.2	20.8
2 21	7 19.11	+15 3.7	1.642	2.461	15.8	21.1

414252 2008 GN_{37} 1 15.9 91.°68 6.°2/12.9 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 13	8 17.01	+34 36.6	1.839	2.666	13.9	20.5
12 23	8 11.29	+35 54.7	1.772	2.667	10.8	20.3
1 2	8 2.63	+37 8.4	1.729	2.668	7.8	20.2
1 12	7 51.95	+38 9.1	1.713	2.669	6.2	20.1
1 22	7 40.55	+38 50.0	1.725	2.670	7.3	20.1
2 1	7 29.98	+39 7.9	1.764	2.671	10.2	20.3
2 11	7 21.60	+39 4.1	1.827	2.672	13.2	20.5
2 21	7 16.25	+38 42.7	1.912	2.673	16.0	20.7

73540 2003 OZ_{20} 1 15.9 153.°49 0.°1/15.9 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 13	8 16.83	+18 51.4	2.078	2.888	13.1	20.8
12 23	8 10.41	+19 18.8	2.003	2.897	9.8	20.6
1 2	8 1.76	+19 52.8	1.954	2.906	5.9	20.3
1 12	7 51.64	+20 29.9	1.934	2.915	1.7	20.1
1 22	7 41.06	+21 6.1	1.944	2.922	2.6	20.1
2 1	7 31.15	+21 38.2	1.984	2.929	6.7	20.4
2 11	7 22.92	+22 4.4	2.053	2.935	10.3	20.7
2 21	7 17.04	+22 23.9	2.145	2.940	13.5	20.9

483535 2003 UM_{86} 1 15.9 63.°50 0.°7/16.2 17

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 13	8 21.23	+17 2.2	1.097	1.935	20.4	20.8
12 23	8 14.63	+17 35.3	1.061	1.968	15.1	20.6
1 2	8 4.54	+18 21.7	1.045	2.002	9.1	20.4
1 12	7 52.40	+19 14.4	1.054	2.035	2.8	20.1
1 22	7 40.09	+20 5.9	1.089	2.068	3.7	20.3
2 1	7 29.45	+20 50.6	1.149	2.101	9.4	20.7
2 11	7 21.91	+21 25.5	1.233	2.133	14.4	21.1
2 21	7 18.05	+21 50.2	1.338	2.165	18.3	21.5

423089 2003 YV_{88} 1 15.9 10.°99 2.°8/14.5 15

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 13	8 8.99	+22 58.5	1.434	2.284	15.8	20.3
12 23	8 5.56	+24 20.9	1.374	2.289	11.7	20.1
1 2	7 59.25	+25 51.4	1.336	2.295	7.1	19.9
1 12	7 50.99	+27 21.7	1.324	2.303	3.1	19.6
1 22	7 42.08	+28 43.0	1.339	2.312	4.8	19.8
2 1	7 34.00	+29 48.5	1.381	2.322	9.3	20.0
2 11	7 28.11	+30 35.5	1.446	2.334	13.4	20.3
2 21	7 25.22	+31 4.3	1.532	2.347	17.0	20.6

522053 2015 XB_{415} 1 15.9 292.°89 3.°0/16.6 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 13	8 15.16	+15 7.0	1.773	2.586	14.9	20.9
12 23	8 9.73	+14 27.2	1.673	2.565	11.5	20.7
1 2	8 1.66	+13 54.2	1.597	2.544	7.6	20.4
1 12	7 51.70	+13 28.0	1.548	2.523	3.8	20.1
1 22	7 40.92	+13 8.4	1.527	2.502	4.0	20.1
2 1	7 30.66	+12 54.7	1.535	2.480	8.1	20.3
2 11	7 22.16	+12 45.9	1.569	2.459	12.4	20.5
2 21	7 16.30	+12 40.6	1.625	2.439	16.2	20.7

23136 2000 AD_{148} 1 15.9 190.°99 0.°6/16.3 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 13	8 11.49	+16 2.1	2.463	3.268	11.5	18.9
12 23	8 6.29	+16 46.6	2.377	3.267	8.6	18.7
1 2	7 59.24	+17 40.0	2.316	3.266	5.3	18.5
1 12	7 50.94	+18 39.1	2.284	3.264	1.7	18.3
1 22	7 42.15	+19 40.2	2.284	3.262	2.2	18.3
2 1	7 33.77	+20 39.2	2.315	3.260	5.8	18.5
2 11	7 26.64	+21 33.1	2.374	3.258	9.1	18.8
2 21	7 21.37	+22 20.2	2.459	3.255	11.9	18.9

485070 2010 EM_{40} 1 15.9 329.°02 5.°2/17.6 17

12 13	8 12.05	+ 9 32.6	1.279	2.104	18.9	21.3
12 23	8 8.05	+ 9 14.0	1.202	2.095	14.9	21.0
1 2	8 0.92	+ 9 14.8	1.144	2.087	10.4	20.8
1 12	7 51.52	+ 9 35.8	1.110	2.079	6.2	20.5
1 22	7 41.23	+10 14.5	1.100	2.072	5.8	20.5
2 1	7 31.68	+11 6.1	1.116	2.066	9.9	20.7
2 11	7 24.42	+12 4.2	1.155	2.060	14.7	20.9
2 21	7 20.41	+13 2.7	1.214	2.055	19.0	21.2

110833 2001 UB_{59} 1 15.9 223.°39 2.°3/16.8 18

12 13	8 13.25	+14 8.8	1.890	2.701	14.2	20.1
12 23	8 7.99	+14 5.4	1.809	2.699	10.8	19.9
1 2	8 0.43	+14 12.3	1.751	2.697	7.0	19.7
1 12	7 51.30	+14 27.9	1.720	2.695	3.2	19.4
1 22	7 41.64	+14 49.9	1.717	2.693	3.3	19.5
2 1	7 32.58	+15 15.4	1.744	2.691	7.2	19.7
2 11	7 25.18	+15 41.6	1.797	2.689	11.0	19.9
2 21	7 20.17	+16 6.2	1.874	2.687	14.4	20.1

23708 1997 TR_{18} 1 15.9 348.°20 4.°9/18.1 18

12 13	8 10.04	+ 6 37.8	2.065	2.852	14.0	17.7
12 23	8 5.40	+ 6 19.6	1.982	2.851	11.2	17.6
1 2	7 58.78	+ 6 16.1	1.923	2.849	8.1	17.4
1 12	7 50.82	+ 6 27.6	1.890	2.848	5.5	17.2
1 22	7 42.40	+ 6 52.9	1.885	2.847	5.1	17.2
2 1	7 34.48	+ 7 29.4	1.909	2.846	7.4	17.3
2 11	7 27.98	+ 8 13.3	1.959	2.846	10.5	17.5
2 21	7 23.54	+ 9 0.5	2.033	2.845	13.5	17.7

460301 2014 QM_{371} 1 15.9 87.°82 0.°4/15.8 18

12 13	8 15.08	+20 13.0	1.735	2.560	14.6	21.6
12 23	8 9.48	+20 41.0	1.669	2.571	10.9	21.3
1 2	8 1.35	+21 15.7	1.626	2.582	6.5	21.1
1 12	7 51.57	+21 52.7	1.611	2.592	1.8	20.8
1 22	7 41.32	+22 27.5	1.625	2.603	3.0	20.9
2 1	7 31.90	+22 56.5	1.667	2.614	7.5	21.2
2 11	7 24.44	+23 17.9	1.736	2.624	11.5	21.5
2 21	7 19.65	+23 31.4	1.827	2.635	14.9	21.7

93249 2000 SL_{157} 1 15.9 252.°88 4.°7/13.9 18

12 13	8 17.58	+33 7.2	2.062	2.882	12.8	20.0
12 23	8 11.45	+33 50.0	1.976	2.870	9.9	19.8
1 2	8 2.64	+34 28.9	1.915	2.858	6.8	19.6
1 12	7 51.98	+34 57.7	1.882	2.846	4.8	19.5
1 22	7 40.63	+35 11.2	1.877	2.834	5.8	19.5
2 1	7 29.94	+35 7.2	1.902	2.821	8.8	19.6
2 11	7 21.17	+34 46.8	1.952	2.808	12.0	19.8
2 21	7 15.13	+34 13.4	2.024	2.794	15.0	20.0

169258 2001 SH_{157} 1 15.9 97.°82 0.°4/16.1 18

12 13	8 12.69	+19 24.8	2.489	3.298	11.2	20.4
12 23	8 6.96	+19 28.7	2.421	3.315	8.3	20.2
1 2	7 59.50	+19 36.7	2.380	3.332	5.0	20.0
1 12	7 51.00	+19 46.7	2.367	3.348	1.5	19.8
1 22	7 42.24	+19 56.7	2.385	3.364	2.1	19.9
2 1	7 34.07	+20 5.1	2.434	3.380	5.5	20.1
2 11	7 27.27	+20 10.8	2.511	3.395	8.6	20.3
2 21	7 22.34	+20 13.4	2.613	3.410	11.3	20.5

500563 2012 UN_{58} 1 15.9 124.°53 1.°7/16.5 17

12 13	8 19.07	+16 10.4	1.564	2.381	16.4	21.9
12 23	8 12.56	+16 11.1	1.499	2.394	12.4	21.7
1 2	8 3.24	+16 21.8	1.457	2.407	7.7	21.5
1 12	7 52.12	+16 39.9	1.441	2.419	2.9	21.2
1 22	7 40.52	+17 1.9	1.453	2.431	3.4	21.3
2 1	7 29.90	+17 24.3	1.494	2.442	8.0	21.6
2 11	7 21.51	+17 44.6	1.561	2.453	12.4	21.9
2 21	7 16.08	+18 1.6	1.650	2.463	16.1	22.1

178109 2006 SN_{313} 1 15.9 137.°71 2.°7/14.8 18

12 13	8 16.88	+26 36.5	1.877	2.702	13.7	20.9
12 23	8 10.81	+27 17.7	1.807	2.709	10.2	20.7
1 2	8 2.17	+27 59.9	1.762	2.715	6.3	20.5
1 12	7 51.82	+28 37.4	1.744	2.721	3.0	20.3
1 22	7 40.95	+29 5.3	1.755	2.726	4.2	20.4
2 1	7 30.88	+29 20.7	1.796	2.731	8.0	20.6
2 11	7 22.77	+29 23.6	1.862	2.736	11.6	20.8
2 21	7 17.36	+29 15.8	1.951	2.741	14.8	21.1

499396 2010 BK_{26} 1 15.9 316.°78 6.°4/20.3 17

	h m	° ′			°	m
12 13	8 9.56	− 1 44.6	2.117	2.865	14.9	20.9
12 23	8 5.14	− 1 11.9	2.020	2.855	12.4	20.7
1 2	7 58.70	− 0 14.8	1.944	2.844	9.7	20.5
1 12	7 50.84	+ 1 7.1	1.895	2.834	7.2	20.4
1 22	7 42.39	+ 2 50.8	1.874	2.824	6.4	20.3
2 1	7 34.29	+ 4 50.8	1.883	2.814	8.0	20.4
2 11	7 27.50	+ 6 59.0	1.920	2.805	10.8	20.5
2 21	7 22.73	+ 9 7.9	1.984	2.796	13.7	20.7

101008 1998 QO_{48} 1 15.9 117.°19 2.°7/16.9 18

12 13	8 17.30	+13 5.8	1.587	2.398	16.4	20.4
12 23	8 11.20	+13 13.8	1.522	2.413	12.5	20.2
1 2	8 2.42	+13 35.5	1.480	2.426	8.1	19.9
1 12	7 51.89	+14 8.2	1.464	2.439	3.7	19.7
1 22	7 40.88	+14 48.2	1.476	2.452	3.7	19.7
2 1	7 30.77	+15 30.9	1.517	2.464	8.0	20.0
2 11	7 22.77	+16 12.5	1.583	2.476	12.2	20.3
2 21	7 17.61	+16 50.1	1.672	2.487	15.8	20.6

309231 2007 QT_{9} 1 15.9 84.°08 0.°6/16.1 17

12 13	8 17.52	+18 21.8	1.576	2.399	15.9	20.9
12 23	8 11.32	+18 37.9	1.520	2.420	11.9	20.6
1 2	8 2.43	+19 2.3	1.487	2.441	7.2	20.4
1 12	7 51.87	+19 31.0	1.480	2.461	2.2	20.2
1 22	7 40.96	+19 59.8	1.502	2.481	3.0	20.3
2 1	7 31.09	+20 25.1	1.552	2.501	7.8	20.6
2 11	7 23.42	+20 45.0	1.629	2.520	12.0	20.9
2 21	7 18.62	+20 58.8	1.727	2.539	15.5	21.2

294369 2007 VF_{117} 1 15.9 120.°39 2.°0/16.8 18

12 13	8 11.80	+14 45.7	2.511	3.311	11.4	20.7
12 23	8 6.33	+14 28.4	2.432	3.317	8.7	20.5
1 2	7 59.17	+14 17.6	2.378	3.322	5.6	20.3
1 12	7 50.92	+14 12.6	2.353	3.328	2.7	20.2
1 22	7 42.37	+14 12.1	2.358	3.333	2.8	20.2
2 1	7 34.33	+14 15.0	2.394	3.339	5.7	20.4
2 11	7 27.55	+14 19.8	2.458	3.344	8.7	20.6
2 21	7 22.58	+14 25.2	2.548	3.349	11.4	20.8

209972 2006 HM_{25} 1 15.9 145.°21 0.°3/16.1 18

12 13	8 16.35	+18 15.5	2.049	2.859	13.3	21.5
12 23	8 10.08	+18 41.7	1.976	2.870	9.9	21.3
1 2	8 1.59	+19 15.1	1.928	2.880	6.0	21.1
1 12	7 51.64	+19 52.1	1.909	2.890	1.8	20.8
1 22	7 41.26	+20 28.9	1.921	2.899	2.6	20.9
2 1	7 31.55	+21 2.3	1.962	2.907	6.7	21.2
2 11	7 23.52	+21 30.2	2.031	2.915	10.4	21.4
2 21	7 17.84	+21 51.7	2.125	2.922	13.5	21.6

122185 2000 KF_{58} 1 15.9 199.°08 0.°4/15.8 18

12 13	8 16.40	+19 3.4	1.705	2.527	15.0	20.1
12 23	8 10.73	+19 48.4	1.625	2.525	11.2	19.9
1 2	8 2.29	+20 43.3	1.568	2.522	6.8	19.6
1 12	7 51.92	+21 43.0	1.538	2.519	1.9	19.3
1 22	7 40.79	+22 41.4	1.538	2.516	3.2	19.4
2 1	7 30.31	+23 33.2	1.566	2.512	8.0	19.6
2 11	7 21.80	+24 15.3	1.621	2.508	12.3	19.9
2 21	7 16.12	+24 46.8	1.698	2.503	16.0	20.1

260688 2005 JE_{91} 1 15.9 148.°94 6.°0/18.2 18

12 13	8 14.62	+ 4 44.3	2.047	2.818	14.6	21.3
12 23	8 8.72	+ 4 1.6	1.970	2.825	11.8	21.1
1 2	8 0.74	+ 3 33.7	1.917	2.832	8.9	21.0
1 12	7 51.41	+ 3 22.2	1.890	2.838	6.5	20.8
1 22	7 41.64	+ 3 27.0	1.892	2.843	6.2	20.8
2 1	7 32.48	+ 3 46.2	1.922	2.849	8.2	21.0
2 11	7 24.87	+ 4 16.4	1.979	2.853	11.0	21.1
2 21	7 19.44	+ 4 53.3	2.060	2.858	13.8	21.3

457021 2008 CL_{134} 1 15.9 193.°79 2.°3/15.3 18

12 13	8 19.70	+27 51.6	2.003	2.820	13.2	21.1
12 23	8 12.76	+27 54.2	1.922	2.819	9.9	20.9
1 2	8 3.28	+27 54.5	1.866	2.818	6.2	20.7
1 12	7 52.15	+27 48.5	1.838	2.816	2.7	20.5
1 22	7 40.55	+27 33.4	1.841	2.813	3.7	20.5
2 1	7 29.75	+27 8.3	1.873	2.811	7.5	20.7
2 11	7 20.92	+26 34.6	1.932	2.808	11.2	21.0
2 21	7 14.75	+25 55.0	2.015	2.804	14.4	21.2

11093 1994 HD 1 15.9 336.°03 19.°2/24.4 18

12 13	8 6.46	−21 27.5	1.532	2.191	23.0	17.1
12 23	8 3.70	−23 19.9	1.456	2.172	21.8	17.0
1 2	7 58.25	−24 36.5	1.392	2.154	20.7	16.8
1 12	7 50.81	−25 7.6	1.344	2.137	19.7	16.7
1 22	7 42.47	−24 46.4	1.311	2.122	19.3	16.6
2 1	7 34.58	−23 31.7	1.295	2.107	19.4	16.6
2 11	7 28.51	−21 29.4	1.297	2.094	20.3	16.6
2 21	7 25.25	−18 50.7	1.315	2.083	21.7	16.6

271717 2004 RY_{215} 1 15.9 182.°26 3.°4/14.5 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 13	8 18.88	+32 37.9	2.662	3.468	10.7	20.7
12 23	8 11.68	+32 58.6	2.581	3.469	8.1	20.5
1 2	8 2.44	+33 14.7	2.527	3.469	5.4	20.4
1 12	7 51.90	+33 22.2	2.502	3.469	3.5	20.2
1 22	7 40.99	+33 18.1	2.509	3.468	4.3	20.3
2 1	7 30.73	+33 1.7	2.546	3.466	6.8	20.4
2 11	7 22.03	+32 34.1	2.612	3.464	9.5	20.6
2 21	7 15.49	+31 57.8	2.702	3.461	11.9	20.8

347123 2010 JF_{155} 1 15.9 187.°03 3.°5/13.9 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 13	8 13.07	+31 4.4	2.596	3.414	10.6	21.1
12 23	8 7.54	+31 51.5	2.519	3.414	8.0	20.9
1 2	8 0.04	+32 36.5	2.468	3.413	5.3	20.8
1 12	7 51.24	+33 15.0	2.445	3.413	3.5	20.6
1 22	7 41.99	+33 43.0	2.453	3.412	4.4	20.7
2 1	7 33.25	+33 58.5	2.491	3.411	6.9	20.9
2 11	7 25.92	+34 1.3	2.556	3.410	9.6	21.0
2 21	7 20.60	+33 53.2	2.644	3.408	12.0	21.2

235621 Kratochvíle 1 15.9 141.°08 3.°1/14.9 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 13	8 20.53	+27 54.4	1.696	2.521	14.9	21.2
12 23	8 13.74	+28 25.5	1.628	2.529	11.2	21.0
1 2	8 4.03	+28 55.8	1.584	2.537	7.0	20.7
1 12	7 52.41	+29 19.1	1.568	2.544	3.5	20.5
1 22	7 40.26	+29 30.4	1.580	2.551	4.7	20.6
2 1	7 29.12	+29 27.8	1.621	2.557	8.7	20.9
2 11	7 20.30	+29 12.3	1.688	2.563	12.6	21.1
2 21	7 14.55	+28 46.9	1.777	2.568	15.9	21.4

89810 2002 AF_{170} 1 15.9 75.°33 1.°9/15.3 17

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 13	8 20.61	+23 55.4	1.426	2.259	16.8	20.1
12 23	8 13.83	+24 28.4	1.380	2.285	12.4	19.9
1 2	8 4.02	+25 4.5	1.356	2.312	7.4	19.7
1 12	7 52.37	+25 37.1	1.358	2.338	2.6	19.5
1 22	7 40.44	+26 0.9	1.388	2.364	4.0	19.6
2 1	7 29.84	+26 13.2	1.446	2.390	8.7	20.0
2 11	7 21.86	+26 14.4	1.529	2.415	13.0	20.3
2 21	7 17.13	+26 6.3	1.633	2.440	16.5	20.6

79070 3282 $T\text{-}_3$ 1 15.9 215.°13 0.°5/16.2 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 13	8 11.82	+18 16.0	2.244	3.058	12.1	20.3
12 23	8 6.69	+18 32.5	2.161	3.056	9.1	20.1
1 2	7 59.56	+18 55.6	2.102	3.055	5.5	19.9
1 12	7 51.12	+19 22.6	2.072	3.053	1.7	19.6
1 22	7 42.21	+19 50.6	2.072	3.051	2.4	19.7
2 1	7 33.80	+20 16.8	2.102	3.049	6.2	19.9
2 11	7 26.81	+20 39.3	2.159	3.046	9.7	20.1
2 21	7 21.87	+20 57.1	2.241	3.044	12.7	20.3

1411 Brauna 1 15.9 89.°10 0.°7/16.2 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 13	8 13.45	+19 3.2	2.180	2.994	12.4	15.8
12 23	8 7.83	+18 55.6	2.104	3.000	9.3	15.6
1 2	8 0.19	+18 52.7	2.054	3.006	5.7	15.4
1 12	7 51.28	+18 52.6	2.031	3.011	1.8	15.2
1 22	7 42.00	+18 53.4	2.038	3.017	2.4	15.2
2 1	7 33.36	+18 53.7	2.076	3.023	6.2	15.5
2 11	7 26.25	+18 52.3	2.141	3.028	9.7	15.7
2 21	7 21.26	+18 49.0	2.230	3.034	12.7	15.9

260805 2005 ND_{123} 1 15.9 236.°22 0.°5/16.1 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 13	8 14.64	+19 8.2	1.880	2.700	13.9	21.0
12 23	8 9.13	+19 13.2	1.797	2.696	10.4	20.8
1 2	8 1.20	+19 24.4	1.739	2.692	6.4	20.5
1 12	7 51.62	+19 39.2	1.708	2.688	2.0	20.2
1 22	7 41.46	+19 54.5	1.705	2.684	2.7	20.3
2 1	7 31.95	+20 7.8	1.732	2.680	7.2	20.6
2 11	7 24.20	+20 17.4	1.786	2.676	11.2	20.8
2 21	7 18.94	+20 22.9	1.862	2.671	14.7	21.0

324543 2006 WW_{41} 1 15.9 353.°38 1.°0/16.3 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 13	8 11.16	+17 2.1	1.418	2.256	16.6	20.8
12 23	8 7.18	+17 22.1	1.344	2.251	12.5	20.5
1 2	8 0.31	+17 54.2	1.292	2.248	7.7	20.3
1 12	7 51.41	+18 35.0	1.265	2.245	2.6	19.9
1 22	7 41.78	+19 19.4	1.264	2.243	3.3	20.0
2 1	7 32.93	+20 2.1	1.289	2.242	8.5	20.3
2 11	7 26.23	+20 39.3	1.340	2.242	13.2	20.6
2 21	7 22.54	+21 9.0	1.410	2.242	17.3	20.8

191942 2005 UH_{43} 1 15.9 122.°71 1.°8/15.4 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 13	8 20.89	+24 24.5	1.619	2.444	15.5	20.8
12 23	8 13.97	+24 48.8	1.557	2.459	11.5	20.6
1 2	8 4.14	+25 15.2	1.518	2.472	7.0	20.4
1 12	7 52.45	+25 38.5	1.506	2.486	2.5	20.1
1 22	7 40.31	+25 53.9	1.523	2.498	3.8	20.3
2 1	7 29.24	+25 59.0	1.568	2.510	8.3	20.6
2 11	7 20.53	+25 54.0	1.640	2.522	12.5	20.8
2 21	7 14.90	+25 40.9	1.733	2.533	16.0	21.1

466489 2013 WQ_6 1 15.9 79.°14 4.°9/13.3 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 13	8 14.61	+33 34.0	2.204	3.026	12.0	20.9
12 23	8 9.05	+34 37.7	2.135	3.029	9.3	20.8
1 2	8 1.12	+35 37.7	2.092	3.032	6.5	20.6
1 12	7 51.59	+36 27.7	2.076	3.036	4.9	20.5
1 22	7 41.54	+37 2.6	2.090	3.039	5.9	20.6
2 1	7 32.15	+37 19.9	2.132	3.042	8.5	20.7
2 11	7 24.51	+37 20.1	2.199	3.046	11.2	20.9
2 21	7 19.32	+37 6.0	2.289	3.049	13.7	21.1

460188 2014 QK_{121} 1 15.9 67.°83 0.°0/15.9 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 13	8 14.98	+19 18.5	1.617	2.445	15.4	21.5
12 23	8 9.54	+19 46.1	1.556	2.459	11.4	21.3
1 2	8 1.46	+20 21.7	1.517	2.473	6.9	21.1
1 12	7 51.69	+21 0.9	1.506	2.487	2.0	20.8
1 22	7 41.46	+21 38.7	1.522	2.501	3.0	20.9
2 1	7 32.13	+22 11.3	1.567	2.515	7.7	21.2
2 11	7 24.88	+22 36.4	1.637	2.529	11.9	21.5
2 21	7 20.41	+22 53.6	1.730	2.543	15.4	21.8

3988 Huma 1 15.9 142.°89 9.°5/18.4 17

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 13	8 31.59	+ 3 4.2	1.135	1.915	23.5	20.6
12 23	8 22.55	+ 2 0.5	1.078	1.937	19.1	20.4
1 2	8 9.60	+ 1 23.2	1.040	1.957	14.3	20.2
1 12	7 54.06	+ 1 16.7	1.026	1.974	10.4	20.0
1 22	7 37.90	+ 1 40.8	1.037	1.990	9.8	20.0
2 1	7 23.29	+ 2 30.4	1.074	2.003	12.9	20.2
2 11	7 11.95	+ 3 36.2	1.135	2.013	17.1	20.5
2 21	7 4.77	+ 4 49.0	1.216	2.022	21.1	20.8

245837 2006 KT_{23} 1 15.9 286.°95 1.°1/15.5 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 13	8 14.99	+21 26.6	1.543	2.377	15.7	20.8
12 23	8 10.16	+22 0.9	1.452	2.359	11.8	20.5
1 2	8 2.24	+22 43.5	1.384	2.341	7.2	20.2
1 12	7 52.03	+23 29.3	1.342	2.323	2.2	19.8
1 22	7 40.79	+24 12.2	1.327	2.305	3.7	19.9
2 1	7 30.12	+24 47.2	1.340	2.287	8.9	20.1
2 11	7 21.55	+25 11.4	1.378	2.269	13.8	20.4
2 21	7 16.11	+25 24.9	1.436	2.251	17.9	20.6

216456 2009 HF_{34} 1 15.9 172.°30 0.°9/16.4 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 13	8 14.37	+16 45.1	1.836	2.653	14.3	20.5
12 23	8 8.96	+17 6.7	1.758	2.655	10.8	20.3
1 2	8 1.11	+17 37.9	1.704	2.656	6.6	20.1
1 12	7 51.61	+18 15.6	1.677	2.656	2.2	19.8
1 22	7 41.54	+18 55.8	1.678	2.657	2.8	19.8
2 1	7 32.12	+19 34.5	1.709	2.657	7.2	20.1
2 11	7 24.46	+20 8.7	1.767	2.658	11.3	20.4
2 21	7 19.31	+20 37.0	1.848	2.657	14.7	20.6

136471 2005 FJ_7 1 15.9 250.°71 3.°7/17.4 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 13	8 13.78	+10 43.0	1.800	2.603	15.1	20.3
12 23	8 8.62	+10 36.7	1.709	2.592	11.8	20.1
1 2	8 0.99	+10 44.3	1.642	2.582	8.0	19.8
1 12	7 51.61	+11 5.2	1.601	2.571	4.5	19.6
1 22	7 41.51	+11 37.2	1.587	2.560	4.3	19.5
2 1	7 31.92	+12 17.0	1.603	2.548	7.9	19.7
2 11	7 24.02	+13 0.5	1.645	2.537	11.9	19.9
2 21	7 18.62	+13 43.9	1.709	2.525	15.5	20.1

68377 2001 PD_{27} 1 15.9 112.°11 2.°3/16.9 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 13	8 17.84	+13 29.2	1.663	2.472	15.9	20.4
12 23	8 11.48	+13 42.1	1.601	2.490	12.1	20.2
1 2	8 2.56	+14 7.7	1.562	2.509	7.7	20.0
1 12	7 52.00	+14 43.2	1.550	2.527	3.4	19.8
1 22	7 41.03	+15 24.6	1.567	2.544	3.4	19.8
2 1	7 30.98	+16 7.5	1.613	2.560	7.6	20.1
2 11	7 22.97	+16 48.4	1.685	2.576	11.7	20.4
2 21	7 17.69	+17 24.7	1.781	2.591	15.1	20.7

376530 2012 QN_{48} 1 15.9 19.°23 4.°7/18.1 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 13	8 10.20	+ 7 4.2	2.108	2.896	13.7	20.5
12 23	8 5.50	+ 6 45.8	2.028	2.897	10.9	20.3
1 2	7 58.87	+ 6 41.3	1.971	2.898	7.9	20.1
1 12	7 50.95	+ 6 51.1	1.941	2.900	5.3	20.0
1 22	7 42.60	+ 7 13.9	1.939	2.902	4.9	20.0
2 1	7 34.76	+ 7 47.2	1.966	2.904	7.2	20.1
2 11	7 28.33	+ 8 27.4	2.019	2.906	10.3	20.3
2 21	7 23.90	+ 9 10.8	2.097	2.908	13.1	20.5

225378 1999 SJ_{13} 1 15.9 109.°24 1.°4/16.4 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 13	8 20.58	+17 39.0	1.481	2.302	16.9	20.5
12 23	8 13.77	+17 32.5	1.421	2.318	12.7	20.2
1 2	8 4.03	+17 34.5	1.383	2.335	7.8	20.0
1 12	7 52.44	+17 42.2	1.371	2.351	2.7	19.7
1 22	7 40.42	+17 52.3	1.387	2.366	3.3	19.8
2 1	7 29.54	+18 2.1	1.432	2.381	8.3	20.1
2 11	7 21.06	+18 10.0	1.503	2.395	12.7	20.4
2 21	7 15.71	+18 15.3	1.595	2.408	16.5	20.7

92813 2000 QO_{170} 1 15.9 346.°22 1.°9/15.5 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 13	8 17.04	+25 8.1	1.322	2.165	17.2	18.0
12 23	8 11.85	+25 10.9	1.250	2.161	12.9	17.7
1 2	8 3.25	+25 15.0	1.199	2.157	7.9	17.4
1 12	7 52.29	+25 15.4	1.174	2.154	2.8	17.1
1 22	7 40.59	+25 7.9	1.174	2.152	4.2	17.2
2 1	7 29.96	+24 50.5	1.201	2.150	9.5	17.5
2 11	7 21.97	+24 24.4	1.252	2.148	14.4	17.8
2 21	7 17.52	+23 52.0	1.322	2.147	18.6	18.0

79870 1998 YO_{6} 1 15.9 23.°26 3.°6/14.3 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 13	8 12.65	+24 7.6	1.311	2.161	17.0	18.2
12 23	8 8.58	+25 37.4	1.254	2.169	12.6	17.9
1 2	8 1.27	+27 14.6	1.220	2.178	7.7	17.7
1 12	7 51.72	+28 49.2	1.210	2.188	3.8	17.5
1 22	7 41.45	+30 11.3	1.227	2.198	5.6	17.6
2 1	7 32.18	+31 13.7	1.271	2.210	10.2	17.9
2 11	7 25.42	+31 54.4	1.337	2.222	14.5	18.2
2 21	7 22.04	+32 15.2	1.423	2.235	18.2	18.5

194015 2001 SK_{29} 1 15.9 137.°66 1.°8/16.7 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 13	8 17.81	+14 46.8	1.820	2.627	14.8	21.6
12 23	8 11.37	+14 58.9	1.751	2.640	11.2	21.4
1 2	8 2.48	+15 21.7	1.705	2.653	7.1	21.2
1 12	7 52.00	+15 52.3	1.687	2.665	2.9	21.0
1 22	7 41.07	+16 27.1	1.699	2.676	3.1	21.0
2 1	7 30.93	+17 2.6	1.740	2.687	7.2	21.3
2 11	7 22.68	+17 35.7	1.808	2.696	11.2	21.5
2 21	7 17.00	+18 4.7	1.900	2.705	14.5	21.8

377507 2005 EY_{212} 1 15.9 46.°05 4.°5/18.2 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 13	8 10.10	+ 6 53.0	1.989	2.779	14.3	20.7
12 23	8 5.49	+ 6 51.9	1.917	2.788	11.3	20.5
1 2	7 58.88	+ 7 6.6	1.868	2.797	8.1	20.4
1 12	7 50.96	+ 7 36.8	1.845	2.806	5.2	20.2
1 22	7 42.64	+ 8 19.9	1.850	2.816	4.8	20.2
2 1	7 34.91	+ 9 12.3	1.884	2.825	7.2	20.4
2 11	7 28.66	+10 9.4	1.944	2.835	10.4	20.6
2 21	7 24.52	+11 7.0	2.029	2.845	13.3	20.8

61601 2000 QW_{91} 1 15.9 104.°25 1.°2/16.4 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 13	8 14.71	+17 48.0	1.915	2.731	13.8	19.8
12 23	8 9.02	+17 41.8	1.841	2.737	10.4	19.6
1 2	8 1.05	+17 42.3	1.791	2.742	6.4	19.3
1 12	7 51.59	+17 47.3	1.768	2.747	2.3	19.1
1 22	7 41.69	+17 54.6	1.774	2.752	2.8	19.1
2 1	7 32.51	+18 2.1	1.810	2.757	6.9	19.4
2 11	7 25.06	+18 8.3	1.872	2.762	10.7	19.6
2 21	7 20.02	+18 12.4	1.958	2.767	14.0	19.9

144342 2004 DW_{32} 1 15.9 248.°32 1.°5/16.6 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 13	8 13.17	+15 1.5	1.836	2.651	14.4	20.1
12 23	8 8.14	+15 25.7	1.751	2.645	10.9	19.9
1 2	8 0.69	+16 1.6	1.689	2.639	6.9	19.7
1 12	7 51.54	+16 46.5	1.655	2.633	2.6	19.4
1 22	7 41.73	+17 36.1	1.649	2.627	2.9	19.4
2 1	7 32.46	+18 26.1	1.672	2.621	7.3	19.6
2 11	7 24.89	+19 12.6	1.723	2.615	11.4	19.9
2 21	7 19.80	+19 53.2	1.796	2.609	14.9	20.1

81675 2000 JO 1 15.9 121.°54 2.°5/17.2 18 R

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 13	8 11.79	+12 24.7	2.573	3.365	11.4	19.8
12 23	8 6.30	+12 15.0	2.499	3.377	8.7	19.6
1 2	7 59.17	+12 13.5	2.450	3.389	5.8	19.5
1 12	7 51.03	+12 19.4	2.429	3.401	3.1	19.3
1 22	7 42.60	+12 31.3	2.439	3.412	3.0	19.3
2 1	7 34.68	+12 47.5	2.480	3.423	5.6	19.5
2 11	7 27.99	+13 5.9	2.549	3.433	8.5	19.7
2 21	7 23.04	+13 24.9	2.643	3.444	11.0	19.9

109586 2001 QG_{277} 1 15.9 242.°87 3.°6/13.9 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 13	8 13.16	+29 51.1	2.309	3.132	11.5	19.6
12 23	8 7.87	+30 48.5	2.232	3.131	8.7	19.4
1 2	8 0.40	+31 45.4	2.181	3.129	5.7	19.2
1 12	7 51.44	+32 36.1	2.158	3.127	3.7	19.1
1 22	7 41.95	+33 16.0	2.164	3.125	4.7	19.2
2 1	7 32.99	+33 42.2	2.200	3.123	7.5	19.3
2 11	7 25.57	+33 54.1	2.263	3.121	10.5	19.5
2 21	7 20.39	+33 53.4	2.348	3.119	13.1	19.7

172924 2005 GE_{144} 1 15.9 176.°88 0.°9/15.4 18 R

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 13	8 11.55	+22 21.0	2.765	3.577	10.2	20.5
12 23	8 6.22	+22 54.2	2.682	3.578	7.5	20.4
1 2	7 59.20	+23 30.7	2.626	3.579	4.5	20.2
1 12	7 51.08	+24 7.2	2.600	3.580	1.4	19.9
1 22	7 42.57	+24 40.8	2.604	3.581	2.4	20.0
2 1	7 34.47	+25 9.2	2.640	3.581	5.5	20.2
2 11	7 27.56	+25 30.9	2.705	3.580	8.4	20.4
2 21	7 22.36	+25 45.7	2.794	3.580	10.9	20.6

334180 2001 SV_{156} 1 15.9 91.°77 6.°8/20.2 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 13	8 10.16	− 2 47.4	2.514	3.243	13.3	20.9
12 23	8 5.09	− 3 11.8	2.447	3.262	11.2	20.8
1 2	7 58.45	− 3 18.6	2.403	3.281	9.0	20.7
1 12	7 50.84	− 3 6.4	2.384	3.300	7.3	20.6
1 22	7 42.97	− 2 36.0	2.393	3.318	6.9	20.6
2 1	7 35.60	− 1 49.9	2.430	3.336	7.8	20.7
2 11	7 29.42	− 0 52.3	2.495	3.354	9.6	20.8
2 21	7 24.93	+ 0 12.2	2.584	3.371	11.6	21.0

447114 2004 TZ_{239} 1 15.9 52.°40 5.°2/14.2 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 13	8 18.66	+30 14.5	1.332	2.175	17.2	20.5
12 23	8 13.04	+31 14.9	1.279	2.187	13.0	20.3
1 2	8 3.92	+32 13.2	1.248	2.200	8.5	20.1
1 12	7 52.50	+32 59.8	1.241	2.212	5.4	19.9
1 22	7 40.50	+33 27.3	1.261	2.225	6.7	20.0
2 1	7 29.80	+33 32.8	1.307	2.239	10.7	20.3
2 11	7 21.96	+33 18.5	1.376	2.252	14.8	20.6
2 21	7 17.75	+32 49.3	1.464	2.266	18.3	20.8

116415 2003 YX_{141} 1 15.9 229.°36 4.°9/13.3 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 13	8 15.06	+34 34.9	2.362	3.180	11.5	20.0
12 23	8 9.35	+35 33.9	2.285	3.176	8.9	19.8
1 2	8 1.33	+36 28.7	2.234	3.171	6.4	19.6
1 12	7 51.74	+37 13.5	2.210	3.167	4.9	19.5
1 22	7 41.57	+37 43.5	2.216	3.163	5.8	19.6
2 1	7 31.99	+37 56.3	2.251	3.158	8.3	19.7
2 11	7 24.04	+37 52.4	2.311	3.153	10.9	19.9
2 21	7 18.46	+37 34.6	2.395	3.148	13.4	20.1

473662 2015 XX_{344} 1 15.9 159.°98 1.°4/16.5 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 13	8 18.15	+16 32.1	2.082	2.884	13.4	22.1
12 23	8 11.40	+16 32.2	2.005	2.893	10.1	21.9
1 2	8 2.44	+16 39.5	1.953	2.901	6.3	21.7
1 12	7 52.03	+16 51.8	1.929	2.907	2.4	21.4
1 22	7 41.18	+17 6.8	1.936	2.913	2.7	21.4
2 1	7 31.02	+17 22.0	1.973	2.918	6.6	21.7
2 11	7 22.53	+17 35.8	2.039	2.922	10.3	21.9
2 21	7 16.38	+17 47.2	2.128	2.926	13.5	22.2

283379 2000 QY_{2} 1 15.9 118.°67 1.°4/16.6 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 13	8 17.67	+15 10.1	1.883	2.688	14.5	21.7
12 23	8 11.14	+15 32.7	1.819	2.709	10.9	21.5
1 2	8 2.29	+16 5.4	1.780	2.728	6.8	21.3
1 12	7 51.98	+16 45.0	1.769	2.747	2.6	21.1
1 22	7 41.29	+17 27.4	1.788	2.766	2.8	21.2
2 1	7 31.41	+18 8.8	1.836	2.783	6.9	21.5
2 11	7 23.38	+18 46.3	1.913	2.800	10.7	21.7
2 21	7 17.83	+19 18.3	2.013	2.816	13.9	22.0

333095 2011 UA_{246} 1 15.9 212.°99 3.°0/14.6 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 13	8 17.09	+25 54.4	1.754	2.582	14.4	20.7
12 23	8 11.37	+26 52.1	1.675	2.578	10.8	20.5
1 2	8 2.80	+27 53.5	1.620	2.574	6.7	20.2
1 12	7 52.21	+28 51.5	1.593	2.570	3.3	20.0
1 22	7 40.86	+29 39.7	1.595	2.565	4.7	20.1
2 1	7 30.18	+30 13.5	1.625	2.560	8.7	20.3
2 11	7 21.55	+30 31.9	1.681	2.555	12.7	20.5
2 21	7 15.84	+30 36.4	1.758	2.549	16.1	20.7

340657 2006 RW_{15} 1 15.9 115.°26 0.°9/16.4 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 13	8 12.79	+18 11.7	2.592	3.397	11.0	20.8
12 23	8 7.05	+18 1.9	2.517	3.407	8.2	20.6
1 2	7 59.65	+17 56.3	2.468	3.417	5.0	20.5
1 12	7 51.20	+17 53.6	2.448	3.427	1.8	20.2
1 22	7 42.49	+17 52.4	2.459	3.437	2.2	20.3
2 1	7 34.32	+17 51.5	2.501	3.447	5.4	20.5
2 11	7 27.43	+17 49.9	2.572	3.456	8.4	20.7
2 21	7 22.34	+17 47.1	2.668	3.466	11.0	20.9

311682 2006 SB_{79} 1 15.9 103.°17 0.°8/16.2 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 13	8 19.71	+20 4.6	1.834	2.647	14.5	20.4
12 23	8 12.67	+19 39.3	1.768	2.663	10.8	20.2
1 2	8 3.20	+19 17.6	1.726	2.678	6.6	20.0
1 12	7 52.24	+18 57.7	1.713	2.693	2.1	19.8
1 22	7 40.98	+18 38.3	1.729	2.707	2.8	19.8
2 1	7 30.67	+18 18.8	1.775	2.721	7.1	20.1
2 11	7 22.38	+17 59.1	1.849	2.735	11.0	20.4
2 21	7 16.73	+17 39.5	1.945	2.749	14.3	20.7

270675 2002 QB_{10} 1 15.9 105.°82 5.°3/18.7 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 13	8 10.67	+ 4 4.0	2.312	3.081	13.2	20.8
12 23	8 5.67	+ 3 44.5	2.237	3.090	10.7	20.7
1 2	7 58.91	+ 3 39.8	2.184	3.098	8.0	20.5
1 12	7 51.01	+ 3 50.4	2.158	3.106	5.8	20.4
1 22	7 42.76	+ 4 15.3	2.161	3.114	5.4	20.4
2 1	7 35.01	+ 4 52.0	2.193	3.122	7.2	20.5
2 11	7 28.56	+ 5 37.0	2.252	3.130	9.7	20.7
2 21	7 23.94	+ 6 26.1	2.335	3.138	12.2	20.9

317255 2002 DJ_5 1 15.9 206.°51 4.°4/14.8 17

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 13	8 43.00	+27 23.0	1.392	2.192	18.9	23.2
12 23	8 32.16	+28 27.3	1.298	2.185	14.5	22.9
1 2	8 16.26	+29 35.2	1.228	2.174	9.4	22.6
1 12	7 56.32	+30 33.6	1.186	2.161	4.7	22.3
1 22	7 34.50	+31 9.7	1.176	2.143	6.5	22.3
2 1	7 13.66	+31 17.5	1.196	2.122	12.1	22.6
2 11	6 56.42	+31 0.0	1.243	2.098	17.6	22.8
2 21	6 44.22	+30 25.8	1.311	2.069	22.2	23.0

250156 2002 TY_{30} 1 15.9 31.°70 9.°3/19.7 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 13	8 11.35	− 0 17.8	1.471	2.251	19.0	19.7
12 23	8 6.98	− 1 9.7	1.409	2.259	15.9	19.5
1 2	8 0.03	− 1 36.4	1.365	2.269	12.7	19.3
1 12	7 51.38	− 1 34.5	1.344	2.279	10.1	19.2
1 22	7 42.21	− 1 4.1	1.348	2.289	9.4	19.2
2 1	7 33.85	− 0 9.2	1.376	2.300	11.1	19.3
2 11	7 27.46	+ 1 3.0	1.428	2.311	13.9	19.5
2 21	7 23.77	+ 2 23.9	1.501	2.324	16.9	19.7

16988 1999 BK_{14} 1 15.9 203.°41 1.°7/15.0 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 13	8 12.11	+25 20.3	2.704	3.519	10.3	19.1
12 23	8 6.73	+25 54.2	2.619	3.516	7.6	19.0
1 2	7 59.56	+26 29.4	2.560	3.513	4.7	18.8
1 12	7 51.21	+27 2.7	2.531	3.509	2.0	18.6
1 22	7 42.44	+27 30.7	2.533	3.505	2.9	18.6
2 1	7 34.09	+27 51.2	2.565	3.501	5.9	18.8
2 11	7 26.98	+28 3.5	2.625	3.496	8.8	19.0
2 21	7 21.69	+28 7.8	2.710	3.491	11.3	19.2

222264 2000 QU_{175} 1 15.9 164.°04 4.°1/18.3 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 13	8 12.42	+ 5 46.6	2.576	3.342	12.1	21.7
12 23	8 6.83	+ 5 47.7	2.492	3.348	9.6	21.5
1 2	7 59.56	+ 6 1.9	2.434	3.354	7.0	21.4
1 12	7 51.20	+ 6 28.9	2.403	3.359	4.7	21.2
1 22	7 42.48	+ 7 6.9	2.403	3.363	4.3	21.2
2 1	7 34.18	+ 7 53.2	2.433	3.367	6.3	21.3
2 11	7 27.07	+ 8 44.5	2.492	3.370	8.9	21.5
2 21	7 21.69	+ 9 37.2	2.576	3.373	11.4	21.7

277721 2006 DS_{50} 1 15.9 106.°39 2.°5/17.3 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 13	8 12.08	+11 44.3	2.072	2.873	13.5	20.9
12 23	8 6.94	+12 0.8	1.998	2.882	10.3	20.7
1 2	7 59.78	+12 29.4	1.947	2.890	6.8	20.5
1 12	7 51.28	+13 8.4	1.925	2.898	3.4	20.3
1 22	7 42.36	+13 54.5	1.931	2.906	3.2	20.3
2 1	7 34.02	+14 43.9	1.967	2.914	6.5	20.5
2 11	7 27.17	+15 33.0	2.031	2.922	10.0	20.7
2 21	7 22.44	+16 19.0	2.119	2.930	13.1	20.9

203752 2002 RL_{96} 1 15.9 44.°14 8.°1/20.3 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 13	8 9.47	− 2 55.4	2.066	2.810	15.4	19.8
12 23	8 4.98	− 3 27.6	1.994	2.818	13.0	19.6
1 2	7 58.58	− 3 38.8	1.944	2.827	10.6	19.5
1 12	7 50.93	− 3 26.8	1.917	2.835	8.7	19.4
1 22	7 42.90	− 2 52.0	1.917	2.844	8.1	19.3
2 1	7 35.40	− 1 57.5	1.943	2.853	9.2	19.4
2 11	7 29.31	− 0 48.6	1.995	2.862	11.3	19.6
2 21	7 25.21	+ 0 28.7	2.071	2.872	13.6	19.8

273049 2006 DC_{145} 1 15.9 314.°23 1.°2/15.5 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 13	8 13.49	+23 9.7	2.026	2.850	12.9	21.0
12 23	8 8.20	+23 34.6	1.948	2.850	9.6	20.8
1 2	8 0.64	+24 3.0	1.894	2.849	5.8	20.5
1 12	7 51.55	+24 31.0	1.868	2.848	1.9	20.3
1 22	7 41.95	+24 54.6	1.871	2.847	3.0	20.3
2 1	7 32.97	+25 11.3	1.903	2.847	7.0	20.6
2 11	7 25.66	+25 19.9	1.963	2.846	10.7	20.8
2 21	7 20.70	+25 20.9	2.045	2.845	13.8	21.0

492715 2014 QS_{35} 1 15.9 53.°82 3.°7/17.3 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 13	8 14.22	+11 53.9	1.509	2.326	16.9	21.3
12 23	8 9.10	+11 40.7	1.444	2.335	13.0	21.1
1 2	8 1.31	+11 41.9	1.400	2.344	8.7	20.9
1 12	7 51.75	+11 56.7	1.381	2.354	4.6	20.7
1 22	7 41.69	+12 22.3	1.390	2.364	4.4	20.7
2 1	7 32.50	+12 55.0	1.425	2.374	8.3	20.9
2 11	7 25.39	+13 30.6	1.486	2.384	12.5	21.2
2 21	7 21.09	+14 5.6	1.569	2.394	16.1	21.4

353274 2010 FX_{27} 1 15.9 271.°71 5.°3/13.8 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 13	8 18.58	+30 21.6	1.558	2.392	15.6	21.0
12 23	8 13.15	+31 30.5	1.471	2.375	11.9	20.7
1 2	8 4.25	+32 40.7	1.408	2.357	8.1	20.5
1 12	7 52.74	+33 42.8	1.370	2.339	5.4	20.3
1 22	7 40.05	+34 28.1	1.360	2.321	6.8	20.3
2 1	7 28.02	+34 51.1	1.377	2.303	10.8	20.5
2 11	7 18.39	+34 52.0	1.418	2.284	15.1	20.7
2 21	7 12.29	+34 34.4	1.478	2.266	18.8	20.9

157224 2004 RO_{64} 1 15.9 50.°81 2.°3/16.9 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 13	8 12.33	+13 49.6	1.860	2.673	14.3	20.3
12 23	8 7.36	+13 53.9	1.786	2.677	10.9	20.1
1 2	8 0.13	+14 9.4	1.735	2.682	7.0	19.9
1 12	7 51.42	+14 34.1	1.711	2.687	3.2	19.6
1 22	7 42.23	+15 5.1	1.716	2.692	3.2	19.6
2 1	7 33.69	+15 39.2	1.749	2.698	7.0	19.9
2 11	7 26.82	+16 13.0	1.809	2.703	10.8	20.1
2 21	7 22.30	+16 44.2	1.892	2.709	14.2	20.4

467719 2009 CW_{48} 1 15.9 345.°23 1.°5/16.9 17

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 13	8 9.98	+13 42.9	2.196	3.003	12.6	21.0
12 23	8 5.42	+14 17.9	2.112	3.002	9.6	20.8
1 2	7 58.91	+15 4.2	2.053	3.000	6.1	20.6
1 12	7 51.07	+15 59.2	2.021	2.999	2.5	20.4
1 22	7 42.73	+16 59.1	2.020	2.998	2.6	20.4
2 1	7 34.85	+17 59.6	2.049	2.997	6.2	20.6
2 11	7 28.31	+18 57.1	2.105	2.996	9.7	20.8
2 21	7 23.77	+19 48.8	2.186	2.995	12.7	21.0

396755 2003 UJ_{56} 1 15.9 65.°26 0.°4/16.1 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 13	8 18.49	+17 20.0	1.452	2.277	17.0	20.9
12 23	8 12.13	+18 2.3	1.409	2.310	12.6	20.7
1 2	8 3.00	+18 54.9	1.390	2.344	7.5	20.5
1 12	7 52.22	+19 52.1	1.397	2.377	2.2	20.3
1 22	7 41.20	+20 47.6	1.432	2.411	3.1	20.4
2 1	7 31.39	+21 36.3	1.495	2.444	8.0	20.8
2 11	7 23.97	+22 15.7	1.584	2.476	12.2	21.1
2 21	7 19.54	+22 45.1	1.695	2.508	15.7	21.4

212458 2006 QF_{24} 1 15.9 105.°37 5.°0/13.8 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 13	8 17.01	+37 4.0	2.486	3.295	11.2	20.0
12 23	8 10.54	+37 37.1	2.419	3.303	8.8	19.8
1 2	8 1.90	+38 3.0	2.378	3.310	6.4	19.7
1 12	7 51.91	+38 16.8	2.365	3.318	5.0	19.6
1 22	7 41.59	+38 15.2	2.382	3.325	5.7	19.6
2 1	7 32.03	+37 57.5	2.427	3.333	7.8	19.8
2 11	7 24.20	+37 25.5	2.500	3.340	10.3	20.0
2 21	7 18.68	+36 42.6	2.595	3.347	12.5	20.1

221527 2006 SD_{411} 1 15.9 157.°28 3.°3/13.9 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 13	8 15.59	+24 43.3	1.927	2.752	13.4	20.0
12 23	8 10.11	+26 26.7	1.851	2.753	10.0	19.8
1 2	8 2.02	+28 16.5	1.802	2.755	6.2	19.6
1 12	7 52.04	+30 4.5	1.782	2.756	3.4	19.4
1 22	7 41.27	+31 42.0	1.792	2.758	4.9	19.5
2 1	7 31.02	+33 2.8	1.832	2.759	8.5	19.7
2 11	7 22.55	+34 4.2	1.899	2.760	12.1	19.9
2 21	7 16.72	+34 46.7	1.988	2.761	15.1	20.1

367555 2009 SQ_{34} 1 15.9 104.°48 0.°7/15.7 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 13	8 15.21	+22 5.9	2.015	2.835	13.1	21.4
12 23	8 9.35	+22 21.8	1.946	2.845	9.7	21.3
1 2	8 1.26	+22 41.3	1.901	2.856	5.8	21.0
1 12	7 51.74	+23 0.9	1.885	2.866	1.7	20.8
1 22	7 41.84	+23 17.2	1.898	2.876	2.8	20.9
2 1	7 32.66	+23 28.1	1.941	2.886	6.8	21.1
2 11	7 25.22	+23 32.6	2.011	2.896	10.4	21.4
2 21	7 20.14	+23 31.2	2.105	2.905	13.5	21.6

157561 2005 UK_{118} 1 15.9 216.°85 2.°0/15.3 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 13	8 18.47	+24 0.7	1.550	2.381	15.8	20.9
12 23	8 12.64	+24 33.9	1.472	2.377	11.8	20.6
1 2	8 3.68	+25 11.6	1.418	2.373	7.2	20.4
1 12	7 52.53	+25 47.6	1.389	2.369	2.7	20.1
1 22	7 40.58	+26 16.3	1.389	2.365	4.1	20.2
2 1	7 29.47	+26 33.6	1.417	2.360	8.9	20.4
2 11	7 20.65	+26 38.9	1.469	2.355	13.4	20.7
2 21	7 15.05	+26 33.6	1.543	2.350	17.3	20.9

238871 2005 XS_{49} 1 15.9 263.°93 4.°1/14.4 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 13	8 18.09	+28 4.2	1.550	2.385	15.6	20.5
12 23	8 12.62	+29 2.0	1.467	2.373	11.8	20.2
1 2	8 3.84	+30 2.2	1.407	2.360	7.6	20.0
1 12	7 52.63	+30 56.6	1.374	2.348	4.3	19.7
1 22	7 40.39	+31 37.5	1.368	2.335	5.8	19.8
2 1	7 28.87	+32 0.1	1.389	2.322	10.1	20.0
2 11	7 19.71	+32 3.8	1.434	2.309	14.4	20.2
2 21	7 13.94	+31 51.8	1.499	2.295	18.2	20.4

104558 2000 GQ_{68} 1 15.9 292.°73 1.°4/16.6 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 13	8 11.23	+16 0.7	2.146	2.959	12.7	19.9
12 23	8 6.43	+16 6.4	2.056	2.949	9.6	19.6
1 2	7 59.57	+16 20.2	1.990	2.940	6.0	19.4
1 12	7 51.29	+16 40.3	1.952	2.930	2.4	19.2
1 22	7 42.47	+17 4.4	1.943	2.921	2.6	19.2
2 1	7 34.11	+17 29.6	1.963	2.911	6.4	19.4
2 11	7 27.17	+17 53.6	2.011	2.902	10.1	19.6
2 21	7 22.31	+18 14.9	2.083	2.893	13.3	19.8

440012 2002 LE_{27} 1 15.9 145.°43 1.°4/16.6 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 13	8 20.48	+15 38.1	2.242	3.033	12.9	24.2
12 23	8 12.94	+15 51.2	2.170	3.051	9.7	24.0
1 2	8 3.30	+16 11.8	2.123	3.069	6.1	23.8
1 12	7 52.33	+16 37.6	2.107	3.085	2.3	23.6
1 22	7 41.01	+17 5.5	2.122	3.099	2.6	23.7
2 1	7 30.38	+17 32.9	2.169	3.112	6.3	23.9
2 11	7 21.39	+17 57.7	2.245	3.124	9.7	24.2
2 21	7 14.65	+18 19.0	2.347	3.135	12.6	24.4

109495 2001 QX_{228} 1 15.9 156.°66 3.°1/17.5 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 13	8 10.87	+10 24.7	2.554	3.342	11.6	20.2
12 23	8 5.73	+10 15.2	2.471	3.345	9.0	20.0
1 2	7 58.94	+10 15.4	2.414	3.348	6.2	19.8
1 12	7 51.08	+10 24.8	2.384	3.351	3.6	19.7
1 22	7 42.87	+10 42.0	2.385	3.354	3.4	19.6
2 1	7 35.10	+11 5.1	2.416	3.357	5.9	19.8
2 11	7 28.51	+11 31.7	2.475	3.359	8.7	20.0
2 21	7 23.64	+11 59.5	2.559	3.361	11.3	20.2

186903 2004 LH_{15} 1 15.9 184.°85 2.°4/14.6 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 13	8 15.38	+26 20.9	2.498	3.312	11.1	21.1
12 23	8 9.34	+27 12.9	2.416	3.312	8.2	20.9
1 2	8 1.25	+28 6.5	2.361	3.311	5.1	20.7
1 12	7 51.78	+28 56.8	2.335	3.310	2.5	20.5
1 22	7 41.79	+29 39.6	2.340	3.309	3.6	20.6
2 1	7 32.27	+30 11.9	2.376	3.306	6.6	20.8
2 11	7 24.16	+30 32.8	2.440	3.304	9.7	21.0
2 21	7 18.12	+30 43.0	2.529	3.300	12.3	21.1

4557 Mika 1 15.9 329.°06 0.°2/15.9 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 13	8 11.08	+18 38.5	2.089	2.909	12.7	16.7
12 23	8 6.41	+19 24.7	2.006	2.906	9.5	16.5
1 2	7 59.60	+20 19.4	1.949	2.903	5.7	16.2
1 12	7 51.32	+21 18.7	1.919	2.900	1.6	15.9
1 22	7 42.48	+22 17.7	1.919	2.897	2.6	16.0
2 1	7 34.12	+23 12.2	1.949	2.895	6.6	16.3
2 11	7 27.24	+23 59.0	2.006	2.893	10.3	16.5
2 21	7 22.54	+24 36.8	2.086	2.890	13.5	16.7

270636 2002 PA_{76} 1 15.9 133.°58 0.°4/16.2 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 13	8 11.95	+17 13.7	2.361	3.170	11.8	20.9
12 23	8 6.73	+17 52.8	2.284	3.177	8.8	20.7
1 2	7 59.63	+18 39.6	2.233	3.184	5.3	20.5
1 12	7 51.30	+19 31.0	2.210	3.191	1.6	20.3
1 22	7 42.54	+20 23.0	2.218	3.197	2.2	20.3
2 1	7 34.28	+21 12.3	2.257	3.203	5.9	20.6
2 11	7 27.35	+21 56.0	2.324	3.209	9.2	20.8
2 21	7 22.36	+22 32.9	2.416	3.214	12.0	21.0

120378 2005 QL_9 1 15.9 115.°81 3.°1/14.7 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 13	8 18.11	+28 50.4	2.093	2.911	12.7	21.0
12 23	8 11.50	+29 28.5	2.031	2.928	9.5	20.8
1 2	8 2.55	+30 4.9	1.994	2.943	6.0	20.6
1 12	7 52.13	+30 34.5	1.985	2.959	3.3	20.5
1 22	7 41.35	+30 53.1	2.007	2.973	4.3	20.6
2 1	7 31.40	+30 58.8	2.058	2.988	7.5	20.8
2 11	7 23.31	+30 52.4	2.136	3.002	10.7	21.0
2 21	7 17.72	+30 36.0	2.237	3.015	13.5	21.2

466590 2014 UT_{117} 1 15.9 17.°88 5.°7/13.8 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 13	8 13.79	+31 16.7	1.396	2.243	16.3	20.1
12 23	8 9.43	+32 25.0	1.341	2.250	12.4	19.8
1 2	8 1.79	+33 30.7	1.308	2.258	8.4	19.6
1 12	7 51.99	+34 24.5	1.299	2.267	5.8	19.5
1 22	7 41.56	+34 59.1	1.317	2.277	7.1	19.6
2 1	7 32.24	+35 11.2	1.360	2.289	10.7	19.8
2 11	7 25.50	+35 2.1	1.426	2.301	14.5	20.1
2 21	7 22.14	+34 36.3	1.512	2.314	17.8	20.3

223687 2004 QN_{11} 1 15.9 137.°32 4.°1/14.1 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 13	8 17.90	+32 32.0	2.268	3.084	12.0	20.8
12 23	8 11.33	+33 15.1	2.202	3.094	9.1	20.7
1 2	8 2.47	+33 54.1	2.160	3.103	6.2	20.5
1 12	7 52.12	+34 23.6	2.148	3.112	4.2	20.4
1 22	7 41.37	+34 39.6	2.165	3.121	5.1	20.5
2 1	7 31.38	+34 40.4	2.211	3.129	7.8	20.7
2 11	7 23.16	+34 27.1	2.284	3.137	10.6	20.8
2 21	7 17.38	+34 2.4	2.380	3.145	13.2	21.0

405050 2001 SM_{198} 1 15.9 103.°67 1.°0/16.5 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 13	8 15.58	+16 34.9	2.013	2.822	13.5	21.9
12 23	8 9.51	+16 54.0	1.950	2.842	10.1	21.7
1 2	8 1.31	+17 21.2	1.912	2.862	6.2	21.5
1 12	7 51.78	+17 53.6	1.902	2.881	2.2	21.2
1 22	7 41.91	+18 27.6	1.922	2.900	2.6	21.3
2 1	7 32.79	+19 0.2	1.972	2.919	6.5	21.6
2 11	7 25.36	+19 28.9	2.049	2.937	10.1	21.8
2 21	7 20.23	+19 52.7	2.151	2.954	13.1	22.1

218011 2001 XS_{224} 1 15.9 351.°34 0.°3/16.1 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 13	8 14.76	+19 55.3	1.803	2.626	14.2	20.1
12 23	8 9.34	+19 55.4	1.725	2.626	10.7	19.9
1 2	8 1.43	+20 1.0	1.671	2.625	6.5	19.6
1 12	7 51.87	+20 9.4	1.644	2.625	2.0	19.3
1 22	7 41.77	+20 17.6	1.646	2.625	2.8	19.4
2 1	7 32.38	+20 23.5	1.676	2.624	7.3	19.6
2 11	7 24.84	+20 25.8	1.733	2.624	11.4	19.9
2 21	7 19.88	+20 24.2	1.812	2.624	14.9	20.1

490247 2008 WK_{85} 1 15.9 19.°43 2.°5/15.1 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 13	8 12.37	+22 15.2	1.088	1.947	19.0	20.4
12 23	8 8.81	+23 19.0	1.034	1.954	14.1	20.1
1 2	8 1.64	+24 32.8	1.001	1.962	8.5	19.9
1 12	7 52.00	+25 47.4	0.990	1.971	3.1	19.6
1 22	7 41.61	+26 52.9	1.005	1.981	5.0	19.7
2 1	7 32.43	+27 42.3	1.044	1.993	10.5	20.1
2 11	7 26.12	+28 13.1	1.104	2.005	15.5	20.4
2 21	7 23.54	+28 26.6	1.184	2.019	19.7	20.7

138479 2000 KU_2 1 15.9 227.°54 3.°0/18.0 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 13	8 9.92	+ 7 34.4	3.174	3.942	10.0	20.8
12 23	8 4.87	+ 7 48.8	3.068	3.928	7.9	20.7
1 2	7 58.41	+ 8 13.7	2.988	3.914	5.6	20.5
1 12	7 50.97	+ 8 48.4	2.937	3.899	3.5	20.3
1 22	7 43.12	+ 9 31.3	2.917	3.883	3.2	20.3
2 1	7 35.51	+10 20.1	2.929	3.867	5.1	20.4
2 11	7 28.77	+11 12.0	2.971	3.851	7.6	20.5
2 21	7 23.40	+12 4.4	3.040	3.834	9.9	20.7

156509 2002 CJ_{168} 1 15.9 300.°49 5.°8/13.9 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 13	8 18.46	+35 39.3	1.888	2.710	13.7	19.6
12 23	8 12.38	+36 21.0	1.813	2.705	10.7	19.4
1 2	8 3.40	+36 56.0	1.761	2.700	7.7	19.2
1 12	7 52.48	+37 17.2	1.736	2.695	5.8	19.1
1 22	7 40.92	+37 19.5	1.739	2.689	6.8	19.2
2 1	7 30.24	+37 1.4	1.770	2.684	9.6	19.3
2 11	7 21.76	+36 25.1	1.825	2.680	12.8	19.5
2 21	7 16.27	+35 35.2	1.902	2.675	15.7	19.7

10819 Mahakala 1 15.9 263.°36 0.°6/15.7 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 13	8 11.72	+21 43.1	2.473	3.288	11.1	18.8
12 23	8 6.64	+22 3.4	2.379	3.276	8.3	18.6
1 2	7 59.65	+22 27.5	2.311	3.265	5.0	18.4
1 12	7 51.36	+22 52.5	2.272	3.253	1.5	18.1
1 22	7 42.57	+23 15.6	2.263	3.240	2.4	18.2
2 1	7 34.18	+23 34.4	2.284	3.228	6.0	18.4
2 11	7 27.07	+23 47.4	2.334	3.216	9.3	18.6
2 21	7 21.88	+23 54.6	2.408	3.203	12.1	18.8

203773 Magyarics 1 15.9 171.°78 0.°4/16.2 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 13	8 12.31	+18 54.2	2.387	3.199	11.6	21.0
12 23	8 6.99	+19 7.5	2.306	3.200	8.6	20.8
1 2	7 59.81	+19 26.1	2.249	3.201	5.3	20.6
1 12	7 51.39	+19 47.6	2.222	3.202	1.6	20.4
1 22	7 42.56	+20 9.6	2.224	3.203	2.2	20.4
2 1	7 34.23	+20 29.5	2.257	3.203	5.8	20.7
2 11	7 27.25	+20 46.0	2.318	3.204	9.2	20.9
2 21	7 22.20	+20 58.2	2.404	3.204	12.0	21.1

363195 2001 UJ_{55} 1 16.0 127.°39 6.°6/19.0 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 13	8 13.66	+ 1 27.3	2.148	2.903	14.5	21.5
12 23	8 8.00	+ 0 53.4	2.076	2.916	12.0	21.3
1 2	8 0.40	+ 0 36.6	2.027	2.928	9.3	21.2
1 12	7 51.56	+ 0 38.4	2.004	2.940	7.1	21.1
1 22	7 42.35	+ 0 58.3	2.009	2.951	6.7	21.1
2 1	7 33.72	+ 1 33.8	2.042	2.962	8.2	21.2
2 11	7 26.54	+ 2 20.7	2.102	2.972	10.7	21.4
2 21	7 21.40	+ 3 14.3	2.186	2.982	13.2	21.5

77884 2001 SG_{126} 1 16.0 146.°57 0.°3/16.2 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 13	8 8.01	+19 5.0	3.793	4.594	7.9	19.7
12 23	8 3.18	+19 9.2	3.712	4.601	5.8	19.5
1 2	7 57.24	+19 16.2	3.658	4.608	3.5	19.4
1 12	7 50.61	+19 24.8	3.635	4.615	1.1	19.2
1 22	7 43.77	+19 33.8	3.643	4.621	1.5	19.2
2 1	7 37.25	+19 41.9	3.683	4.628	3.9	19.4
2 11	7 31.53	+19 48.5	3.753	4.634	6.1	19.6
2 21	7 27.00	+19 52.9	3.849	4.640	8.1	19.7

207503 2006 HY_{120} 1 16.0 6.°84 5.°4/17.9 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 13	8 12.52	+ 8 47.7	1.365	2.182	18.3	20.1
12 23	8 8.22	+ 8 27.2	1.294	2.182	14.5	19.9
1 2	8 1.02	+ 8 25.6	1.244	2.183	10.1	19.6
1 12	7 51.82	+ 8 43.6	1.217	2.184	6.3	19.4
1 22	7 41.93	+ 9 18.8	1.216	2.186	5.8	19.4
2 1	7 32.85	+10 6.7	1.240	2.188	9.4	19.6
2 11	7 25.93	+11 1.3	1.289	2.191	13.7	19.8
2 21	7 22.01	+11 56.8	1.359	2.194	17.6	20.1