2020	α_{2000}	δ_{2000}	Δ	r	β	V
322450	2011 UD_{13}		3 2.9	109.°64	2.°2/29.2	17
	h m	° ′			°	m
2 1	11 15.55	+13 28.7	2.692	3.552	8.9	21.2
2 11	11 10.30	+14 9.1	2.631	3.560	6.2	21.0
2 21	11 3.77	+14 51.3	2.597	3.568	3.5	20.9
3 2	10 56.53	+15 30.9	2.593	3.577	2.3	20.8
3 12	10 49.26	+16 3.7	2.619	3.585	4.4	21.0
3 22	10 42.62	+16 26.6	2.674	3.592	7.1	21.1
4 1	10 37.19	+16 37.7	2.755	3.600	9.7	21.3
4 11	10 33.36	+16 36.6	2.858	3.608	11.9	21.5
138621	2000 QQ_{221}		3 2.9	247.°75	2.°2/29.4	17
2 1	11 16.60	+12 37.0	2.614	3.472	9.2	20.5
2 11	11 11.22	+13 21.1	2.528	3.457	6.5	20.3
2 21	11 4.36	+14 8.8	2.469	3.441	3.6	20.1
3 2	10 56.59	+14 55.3	2.440	3.425	2.2	20.0
3 12	10 48.63	+15 35.7	2.442	3.409	4.6	20.1
3 22	10 41.22	+16 6.2	2.472	3.392	7.6	20.3
4 1	10 35.02	+16 24.3	2.529	3.375	10.4	20.4
4 11	10 30.52	+16 28.9	2.608	3.358	12.9	20.6
101727	1999 ED_{7}		3 2.9	36.°85	14.°7/28.4	17
2 1	11 48.38	+36 4.7	0.930	1.785	21.9	18.3
2 11	11 35.63	+36 21.9	0.888	1.790	18.3	18.1
2 21	11 17.90	+36 3.1	0.865	1.795	15.5	17.9
3 2	10 57.79	+34 52.2	0.864	1.801	14.8	17.9
3 12	10 38.73	+32 45.9	0.885	1.808	16.8	18.0
3 22	10 23.48	+29 55.9	0.929	1.815	20.2	18.2
4 1	10 13.45	+26 40.3	0.992	1.822	23.9	18.5
4 11	10 8.71	+23 15.4	1.071	1.829	27.1	18.8
503658	2016 GT_{222}		3 2.9	304.°67	2.°1/29.9	17
2 1	11 14.98	+ 8 29.4	1.704	2.573	12.7	21.4
2 11	11 10.73	+ 9 40.6	1.619	2.553	9.0	21.1
2 21	11 4.37	+11 4.3	1.559	2.533	4.8	20.8
3 2	10 56.61	+12 32.6	1.526	2.514	2.1	20.6
3 12	10 48.49	+13 56.2	1.521	2.495	5.8	20.8
3 22	10 41.12	+15 6.9	1.542	2.476	10.2	21.0
4 1	10 35.50	+15 58.6	1.587	2.457	14.3	21.2
4 11	10 32.31	+16 28.7	1.652	2.439	17.8	21.4
2406	Orelskaya		3 2.9	154.°75	0.°8/ 2.4	18 R
2 1	11 22.84	+ 6 19.1	1.651	2.504	13.9	17.1
2 11	11 16.11	+ 7 0.2	1.586	2.511	9.9	16.8
2 21	11 7.14	+ 7 52.4	1.546	2.519	5.2	16.6
3 2	10 56.86	+ 8 49.2	1.534	2.525	0.8	16.3
3 12	10 46.48	+ 9 43.0	1.551	2.531	4.8	16.6
3 22	10 37.21	+10 27.1	1.596	2.536	9.4	16.9
4 1	10 30.00	+10 57.2	1.665	2.540	13.5	17.1
4 11	10 25.46	+11 11.2	1.755	2.544	16.8	17.3
461583	2004 RF_{43}		3 2.9	248.°93	0.°5/ 3.5	17
2 1	11 19.77	+ 3 49.3	2.226	3.063	11.4	22.0
2 11	11 13.71	+ 4 6.5	2.129	3.045	8.3	21.7
2 21	11 5.82	+ 4 33.9	2.058	3.026	4.6	21.5
3 2	10 56.75	+ 5 8.0	2.016	3.006	0.8	21.1
3 12	10 47.35	+ 5 44.4	2.004	2.986	3.5	21.3
3 22	10 38.56	+ 6 18.1	2.022	2.965	7.5	21.5
4 1	10 31.19	+ 6 45.1	2.066	2.944	11.1	21.7
4 11	10 25.86	+ 7 2.2	2.133	2.922	14.2	21.9
34650	2000 WK_{108}		3 2.9	50.°04	3.°7/ 5.6	18
2 1	11 20.29	− 2 51.7	1.420	2.257	16.7	18.7
2 11	11 14.59	− 3 1.7	1.355	2.263	12.6	18.5
2 21	11 6.44	− 2 50.9	1.311	2.270	8.1	18.2
3 2	10 56.80	− 2 21.9	1.293	2.276	4.2	18.0
3 12	10 47.01	− 1 40.3	1.301	2.283	5.0	18.1
3 22	10 38.39	− 0 53.8	1.335	2.291	9.3	18.3
4 1	10 32.00	− 0 9.9	1.393	2.298	13.6	18.6
4 11	10 28.48	+ 0 25.0	1.471	2.306	17.3	18.9
207370	2005 LZ_{16}		3 2.9	81.°32	5.°0/26.4	18
2 1	11 17.23	+20 43.5	2.168	3.038	10.4	20.1
2 11	11 11.81	+21 50.6	2.114	3.042	7.6	19.9
2 21	11 4.70	+22 54.7	2.087	3.046	5.4	19.8
3 2	10 56.63	+23 48.7	2.088	3.051	5.3	19.8
3 12	10 48.53	+24 26.9	2.117	3.055	7.4	19.9
3 22	10 41.27	+24 46.0	2.172	3.059	10.1	20.1
4 1	10 35.58	+24 45.4	2.251	3.064	12.7	20.2
4 11	10 31.94	+24 26.5	2.350	3.068	15.0	20.4
353294	2010 GR_{154}		3 2.9	277.°77	4.°1/ 7.4	17
2 1	11 15.64	− 8 1.3	2.422	3.213	12.1	20.9
2 11	11 10.68	− 8 7.8	2.322	3.197	9.6	20.7
2 21	11 4.16	− 7 57.8	2.245	3.181	6.9	20.5
3 2	10 56.60	− 7 31.9	2.196	3.164	4.6	20.3
3 12	10 48.77	− 6 53.1	2.175	3.147	4.5	20.3
3 22	10 41.44	− 6 5.6	2.183	3.131	6.8	20.4
4 1	10 35.35	− 5 14.7	2.218	3.114	9.7	20.5
4 11	10 31.05	− 4 25.9	2.277	3.097	12.5	20.7

2020	α_{2000}	δ_{2000}	Δ	r	β	V
387278	2012 UR_{124}		3 2.9	139.°74	0.°2/ 3.3	17
	h m	° ′			°	m
2 1	11 16.17	+ 4 26.4	2.473	3.314	10.3	21.7
2 11	11 10.86	+ 4 49.3	2.399	3.318	7.3	21.5
2 21	11 4.13	+ 5 20.6	2.352	3.322	4.0	21.3
3 2	10 56.59	+ 5 56.8	2.335	3.325	0.5	21.1
3 12	10 48.96	+ 6 33.6	2.347	3.329	3.1	21.3
3 22	10 41.98	+ 7 6.9	2.389	3.332	6.5	21.5
4 1	10 36.26	+ 7 33.3	2.458	3.336	9.6	21.7
4 11	10 32.26	+ 7 50.4	2.549	3.339	12.1	21.9
448768	2011 SR_{33}		3 2.9	52.°29	5.°7/27.9	16
2 1	11 24.84	+15 38.1	1.160	2.042	16.4	20.1
2 11	11 17.51	+17 17.7	1.150	2.087	11.4	19.9
2 21	11 7.71	+18 53.9	1.163	2.133	7.0	19.8
3 2	10 56.89	+20 13.9	1.201	2.178	5.9	19.9
3 12	10 46.71	+21 8.3	1.266	2.223	9.0	20.2
3 22	10 38.50	+21 34.3	1.354	2.268	13.0	20.5
4 1	10 33.08	+21 33.3	1.463	2.312	16.5	20.8
4 11	10 30.72	+21 9.5	1.590	2.356	19.2	21.1
375945	2009 WA_{131}		3 2.9	202.°60	2.°9/ 5.9	17
2 1	11 17.08	− 3 57.0	2.106	2.922	12.8	21.3
2 11	11 11.78	− 3 44.6	2.024	2.920	9.7	21.1
2 21	11 4.75	− 3 15.7	1.965	2.918	6.3	20.9
3 2	10 56.65	− 2 32.5	1.934	2.916	3.3	20.7
3 12	10 48.37	− 1 39.8	1.932	2.913	3.8	20.7
3 22	10 40.79	− 0 43.3	1.959	2.910	7.1	20.9
4 1	10 34.69	+ 0 11.2	2.012	2.907	10.5	21.1
4 11	10 30.61	+ 0 58.3	2.088	2.904	13.6	21.3
510456	2011 WZ_{35}		3 2.9	200.°57	2.°6/ 6.8	17
2 1	11 13.96	− 6 23.8	3.174	3.964	9.5	22.8
2 11	11 9.13	− 5 59.2	3.080	3.959	7.4	22.7
2 21	11 3.16	− 5 21.5	3.012	3.954	5.0	22.5
3 2	10 56.50	− 4 32.6	2.973	3.949	2.9	22.4
3 12	10 49.73	− 3 35.8	2.965	3.943	3.0	22.3
3 22	10 43.38	− 2 35.0	2.988	3.936	5.1	22.5
4 1	10 37.96	− 1 34.5	3.040	3.929	7.6	22.6
4 11	10 33.89	− 0 38.2	3.117	3.921	9.8	22.8
462015	2006 XA_{65}		3 2.9	192.°78	4.°4/ 7.7	18
2 1	11 16.90	− 9 30.9	2.061	2.852	13.9	20.8
2 11	11 11.71	− 9 9.2	1.975	2.850	11.0	20.6
2 21	11 4.74	− 8 25.3	1.912	2.849	7.8	20.4
3 2	10 56.66	− 7 21.1	1.876	2.846	5.0	20.3
3 12	10 48.38	− 6 1.6	1.869	2.844	4.8	20.2
3 22	10 40.80	− 4 33.9	1.890	2.841	7.4	20.4
4 1	10 34.75	− 3 5.9	1.939	2.837	10.7	20.6
4 11	10 30.77	− 1 44.6	2.011	2.833	13.8	20.8
211986	2005 AV_{44}		3 2.9	56.°56	1.°6/ 1.9	18
2 1	11 20.78	+ 8 23.2	1.329	2.200	15.5	20.0
2 11	11 14.90	+ 9 2.5	1.280	2.214	10.8	19.7
2 21	11 6.54	+ 9 51.6	1.254	2.229	5.7	19.5
3 2	10 56.82	+10 42.7	1.254	2.244	1.6	19.3
3 12	10 47.16	+11 27.0	1.281	2.260	5.8	19.6
3 22	10 38.89	+11 58.0	1.333	2.275	10.6	19.9
4 1	10 33.02	+12 12.1	1.407	2.291	14.9	20.2
4 11	10 30.08	+12 8.5	1.501	2.307	18.4	20.4
350647	2001 TO_{141}		3 3.0	60.°97	7.°0/25.5	18
2 1	11 22.51	+27 45.3	2.040	2.900	11.4	20.1
2 11	11 15.45	+28 35.4	2.006	2.919	8.9	19.9
2 21	11 6.58	+29 14.7	1.998	2.938	7.2	19.9
3 2	10 56.81	+29 36.5	2.017	2.958	7.3	19.9
3 12	10 47.26	+29 36.5	2.064	2.977	9.0	20.1
3 22	10 38.90	+29 14.3	2.136	2.997	11.4	20.2
4 1	10 32.48	+28 31.8	2.230	3.017	13.7	20.4
4 11	10 28.42	+27 32.6	2.344	3.036	15.6	20.6
462289	2008 FH_{54}		3 3.0	340.°50	2.°9/29.8	18
2 1	11 18.21	+11 27.4	1.471	2.346	14.0	21.1
2 11	11 13.14	+12 14.4	1.404	2.341	9.8	20.8
2 21	11 5.69	+13 8.6	1.361	2.336	5.4	20.6
3 2	10 56.76	+14 1.9	1.344	2.331	2.9	20.4
3 12	10 47.64	+14 45.8	1.354	2.327	6.5	20.6
3 22	10 39.60	+15 13.9	1.389	2.324	11.0	20.8
4 1	10 33.71	+15 22.9	1.447	2.321	15.2	21.1
4 11	10 30.59	+15 12.2	1.524	2.319	18.7	21.3
500678	2012 VD_{63}		3 3.0	320.°14	3.°0/28.8	17
2 1	11 15.85	+13 55.5	2.115	2.983	10.7	21.2
2 11	11 10.91	+14 49.3	2.045	2.978	7.5	21.0
2 21	11 4.27	+15 46.1	2.001	2.973	4.3	20.8
3 2	10 56.62	+16 39.9	1.986	2.968	3.2	20.7
3 12	10 48.85	+17 24.4	2.000	2.964	5.7	20.8
3 22	10 41.81	+17 55.2	2.041	2.959	9.0	21.0
4 1	10 36.27	+18 9.9	2.107	2.955	12.1	21.2
4 11	10 32.74	+18 7.9	2.193	2.951	14.8	21.4

2020	α_{2000}	δ_{2000}	Δ	r	β	V
56899	2000 QO_{158}		3	3.0	48.°67	6.°1/ 8.2 18
	h m	° ′			°	m
2 1	11 18.38	−10 9.1	1.707	2.503	16.1	18.5
2 11	11 13.00	−10 33.8	1.635	2.509	13.0	18.3
2 21	11 5.52	−10 35.1	1.584	2.516	9.6	18.1
3 2	10 56.75	−10 12.8	1.559	2.522	6.8	18.0
3 12	10 47.79	− 9 30.7	1.560	2.529	6.4	18.0
3 22	10 39.77	− 8 35.2	1.587	2.535	8.8	18.1
4 1	10 33.61	− 7 34.4	1.640	2.542	12.1	18.3
4 11	10 29.93	− 6 36.1	1.714	2.549	15.2	18.5
387328	2012 VU_{82}		3	3.0	217.°29	3.°8/ 7.4 17
2 1	11 14.66	− 7 48.9	2.421	3.215	12.0	21.3
2 11	11 9.90	− 7 41.7	2.336	3.214	9.4	21.1
2 21	11 3.69	− 7 17.5	2.274	3.213	6.6	20.9
3 2	10 56.58	− 6 37.9	2.241	3.212	4.2	20.8
3 12	10 49.33	− 5 46.5	2.236	3.210	4.1	20.8
3 22	10 42.66	− 4 48.4	2.260	3.209	6.4	20.9
4 1	10 37.24	− 3 49.0	2.311	3.208	9.3	21.1
4 11	10 33.55	− 2 53.6	2.386	3.207	11.9	21.2
108538	2001 LH_7		3	3.0	194.°78	3.°8/ 7.0 18
2 1	11 17.70	− 7 30.6	2.227	3.022	12.9	20.2
2 11	11 12.18	− 7 14.1	2.139	3.020	10.1	20.0
2 21	11 4.96	− 6 38.8	2.076	3.017	6.9	19.8
3 2	10 56.71	− 5 46.6	2.040	3.014	4.3	19.6
3 12	10 48.25	− 4 41.9	2.033	3.010	4.3	19.6
3 22	10 40.44	− 3 30.6	2.056	3.005	7.0	19.8
4 1	10 34.05	− 2 19.3	2.105	3.000	10.2	20.0
4 11	10 29.63	− 1 14.1	2.179	2.994	13.1	20.1
365534	2010 RP_{163}		3	3.0	273.°49	0.°0/ 2.9 16
2 1	11 20.96	+ 5 27.3	1.611	2.466	14.1	21.2
2 11	11 15.10	+ 5 44.8	1.525	2.450	10.2	20.9
2 21	11 6.80	+ 6 14.2	1.462	2.434	5.6	20.6
3 2	10 56.89	+ 6 50.9	1.427	2.418	0.5	20.2
3 12	10 46.57	+ 7 28.2	1.419	2.401	4.7	20.5
3 22	10 37.11	+ 7 59.8	1.438	2.385	9.7	20.7
4 1	10 29.66	+ 8 20.6	1.482	2.368	14.2	20.9
4 11	10 24.97	+ 8 27.4	1.546	2.351	18.0	21.1
498574	2008 LC_{11}		3	3.0	316.°96	2.°5/29.9 17
2 1	11 16.64	+ 9 56.6	1.572	2.444	13.4	21.4
2 11	11 11.97	+10 57.1	1.499	2.435	9.4	21.1
2 21	11 5.05	+12 7.3	1.451	2.425	5.1	20.9
3 2	10 56.72	+13 19.2	1.429	2.417	2.5	20.7
3 12	10 48.13	+14 23.6	1.434	2.408	6.1	20.9
3 22	10 40.47	+15 13.2	1.466	2.400	10.6	21.1
4 1	10 34.77	+15 43.4	1.520	2.392	14.7	21.3
4 11	10 31.68	+15 52.7	1.594	2.384	18.2	21.5
378715	2008 PH_{21}		3	3.0	157.°01	2.°8/28.3 17
2 1	11 16.64	+13 45.2	2.664	3.523	9.1	21.3
2 11	11 11.14	+15 3.2	2.603	3.531	6.3	21.1
2 21	11 4.28	+16 23.9	2.570	3.539	3.7	20.9
3 2	10 56.64	+17 41.3	2.568	3.547	2.9	20.9
3 12	10 48.92	+18 49.6	2.596	3.553	5.1	21.0
3 22	10 41.83	+19 44.8	2.655	3.559	7.8	21.2
4 1	10 35.97	+20 24.3	2.739	3.565	10.3	21.4
4 11	10 31.77	+20 47.7	2.845	3.570	12.5	21.6
354925	2006 DD_{119}		3	3.0	303.°89	0.°6/ 2.6 18
2 1	11 17.40	+ 5 8.5	1.330	2.199	15.6	20.1
2 11	11 12.95	+ 5 53.0	1.247	2.179	11.2	19.8
2 21	11 5.81	+ 6 55.0	1.186	2.160	6.1	19.4
3 2	10 56.80	+ 8 7.8	1.150	2.141	0.7	19.0
3 12	10 47.29	+ 9 21.3	1.140	2.122	5.6	19.3
3 22	10 38.72	+10 25.5	1.155	2.104	11.2	19.5
4 1	10 32.40	+11 12.7	1.192	2.086	16.3	19.8
4 11	10 29.18	+11 38.4	1.248	2.068	20.6	20.0
248664	2006 HW_{151}		3	3.0	278.°78	0.°8/ 3.6 16
2 1	11 18.74	+ 2 14.7	1.571	2.422	14.6	21.2
2 11	11 13.63	+ 2 47.4	1.479	2.401	10.7	20.9
2 21	11 6.07	+ 3 37.8	1.411	2.380	6.1	20.6
3 2	10 56.83	+ 4 41.1	1.368	2.359	1.2	20.2
3 12	10 47.08	+ 5 49.6	1.353	2.337	4.6	20.4
3 22	10 38.12	+ 6 54.8	1.365	2.315	9.7	20.6
4 1	10 31.10	+ 7 49.2	1.401	2.293	14.5	20.8
4 11	10 26.85	+ 8 27.4	1.457	2.271	18.5	21.0
279310	2009 WQ_{248}		3	3.0	51.°00	2.°0/ 1.3 18
2 1	11 18.52	+10 25.3	1.773	2.639	12.5	20.6
2 11	11 12.93	+11 3.7	1.713	2.645	8.7	20.4
2 21	11 5.40	+11 48.1	1.678	2.652	4.7	20.1
3 2	10 56.74	+12 32.1	1.671	2.659	2.0	20.0
3 12	10 48.04	+13 9.4	1.691	2.666	5.2	20.2
3 22	10 40.32	+13 34.9	1.739	2.673	9.2	20.5
4 1	10 34.43	+13 45.8	1.811	2.681	12.8	20.7
4 11	10 30.89	+13 41.4	1.904	2.688	15.8	20.9

2020	α_{2000}	δ_{2000}	Δ	r	β	V
431266	2006 UL_{68}		3	3.0	214.°01	2.°9/ 6.6 17
	h m	° ′			°	m
2 1	11 13.91	− 5 48.1	2.506	3.310	11.4	21.9
2 11	11 9.33	− 5 22.9	2.420	3.308	8.7	21.7
2 21	11 3.37	− 4 41.8	2.358	3.305	5.8	21.5
3 2	10 56.56	− 3 47.1	2.324	3.302	3.3	21.4
3 12	10 49.61	− 2 43.1	2.320	3.300	3.5	21.4
3 22	10 43.22	− 1 35.1	2.345	3.297	6.1	21.5
4 1	10 38.01	− 0 28.5	2.398	3.294	9.1	21.7
4 11	10 34.45	+ 0 31.6	2.476	3.291	11.7	21.9
359032	2008 WQ_{45}		3	3.0	338.°12	3.°2/29.7 18
2 1	11 21.00	+11 49.6	1.385	2.260	14.7	20.7
2 11	11 15.21	+12 41.0	1.323	2.259	10.4	20.4
2 21	11 6.84	+13 39.5	1.284	2.258	5.7	20.2
3 2	10 56.89	+14 36.0	1.271	2.257	3.3	20.0
3 12	10 46.78	+15 21.3	1.285	2.257	6.9	20.2
3 22	10 37.91	+15 48.9	1.324	2.256	11.6	20.5
4 1	10 31.40	+15 55.8	1.385	2.256	15.9	20.7
4 11	10 27.89	+15 42.2	1.464	2.256	19.5	21.0
504164	2006 SP_{325}		3	3.0	217.°33	1.°8/29.9 17
2 1	11 16.48	+11 31.8	2.616	3.472	9.3	21.9
2 11	11 11.09	+12 11.0	2.538	3.466	6.5	21.7
2 21	11 4.30	+12 53.9	2.488	3.460	3.5	21.5
3 2	10 56.66	+13 36.3	2.467	3.454	1.9	21.4
3 12	10 48.90	+14 13.3	2.477	3.447	4.2	21.5
3 22	10 41.72	+14 41.4	2.516	3.440	7.2	21.7
4 1	10 35.77	+14 58.1	2.581	3.433	10.1	21.9
4 11	10 31.49	+15 2.5	2.669	3.426	12.5	22.0
25604	Karlin		3	3.0	74.°32	1.°6/ 1.4 18
2 1	11 16.64	+ 9 12.2	2.001	2.862	11.5	18.6
2 11	11 11.50	+10 0.8	1.934	2.864	8.0	18.4
2 21	11 4.61	+10 56.5	1.891	2.865	4.2	18.1
3 2	10 56.69	+11 53.5	1.878	2.867	1.7	18.0
3 12	10 48.66	+12 45.3	1.893	2.868	4.7	18.2
3 22	10 41.43	+13 26.6	1.936	2.869	8.5	18.4
4 1	10 35.78	+13 53.9	2.004	2.871	11.9	18.6
4 11	10 32.21	+14 5.7	2.094	2.872	14.8	18.8
490558	2009 WT_{19}		3	3.0	101.°73	0.°5/ 2.5 18
2 1	11 16.97	+ 5 24.6	1.921	2.774	12.3	21.7
2 11	11 11.74	+ 6 13.8	1.856	2.782	8.6	21.5
2 21	11 4.74	+ 7 13.7	1.818	2.790	4.6	21.2
3 2	10 56.70	+ 8 18.5	1.807	2.798	0.6	20.9
3 12	10 48.60	+ 9 21.4	1.826	2.806	4.1	21.2
3 22	10 41.35	+10 16.1	1.872	2.813	8.2	21.5
4 1	10 35.73	+10 58.1	1.944	2.821	11.7	21.7
4 11	10 32.25	+11 25.1	2.038	2.829	14.7	21.9
500767	2013 CO_{15}		3	3.0	301.°93	0.°3/ 2.8 17
2 1	11 19.92	+ 5 42.7	1.345	2.211	15.7	21.2
2 11	11 14.65	+ 6 7.3	1.269	2.200	11.2	20.9
2 21	11 6.67	+ 6 46.0	1.215	2.188	6.1	20.6
3 2	10 56.91	+ 7 32.8	1.186	2.177	0.6	20.2
3 12	10 46.76	+ 8 19.5	1.184	2.167	5.3	20.5
3 22	10 37.68	+ 8 58.1	1.207	2.156	10.8	20.8
4 1	10 30.94	+ 9 22.6	1.253	2.146	15.7	21.0
4 11	10 27.30	+ 9 29.8	1.317	2.136	19.8	21.2
330698	2008 KT_{12}		3	3.0	198.°24	4.°3/ 7.8 17 R
2 1	11 16.99	− 9 35.3	2.338	3.120	12.7	21.6
2 11	11 11.64	− 9 21.0	2.247	3.117	10.1	21.4
2 21	11 4.67	− 8 47.2	2.181	3.113	7.2	21.2
3 2	10 56.71	− 7 55.6	2.142	3.109	4.8	21.0
3 12	10 48.54	− 6 49.9	2.132	3.104	4.5	21.0
3 22	10 40.99	− 5 36.0	2.151	3.099	6.8	21.1
4 1	10 34.78	− 4 20.4	2.198	3.093	9.8	21.3
4 11	10 30.45	− 3 9.2	2.269	3.086	12.6	21.5
377913	2006 EG_3		3	3.0	177.°83	1.°1/ 1.8 18
2 1	11 16.98	+ 7 42.5	2.166	3.020	11.0	21.4
2 11	11 11.64	+ 8 30.4	2.095	3.021	7.7	21.2
2 21	11 4.66	+ 9 26.2	2.049	3.022	4.1	20.9
3 2	10 56.70	+10 24.7	2.032	3.022	1.1	20.7
3 12	10 48.63	+11 19.8	2.046	3.022	4.2	20.9
3 22	10 41.28	+12 6.2	2.087	3.022	7.9	21.2
4 1	10 35.39	+12 40.3	2.155	3.022	11.2	21.4
4 11	10 31.47	+13 0.2	2.244	3.021	14.0	21.6
2728	Yatskiv		3	3.0	239.°14	0.°9/ 3.9 18
2 1	11 18.57	+ 1 36.2	1.907	2.747	12.9	17.0
2 11	11 13.08	+ 2 10.2	1.819	2.735	9.4	16.7
2 21	11 5.59	+ 2 59.1	1.756	2.723	5.4	16.4
3 2	10 56.80	+ 3 58.8	1.720	2.710	1.3	16.1
3 12	10 47.71	+ 5 2.7	1.714	2.697	3.8	16.3
3 22	10 39.34	+ 6 4.0	1.736	2.683	8.2	16.5
4 1	10 32.61	+ 6 56.6	1.783	2.669	12.2	16.7
4 11	10 28.16	+ 7 36.3	1.853	2.654	15.6	16.9

2020	α_{2000}	δ_{2000}	Δ	r	β	V
495064	2011 EU_{70}		3	3.0 290.°02	0.°9/ 3.9 17	
	h m	° ′			°	m
2 1	11 14.70	+ 0 33.0	1.902	2.744	12.8	21.5
2 11	11 10.35	+ 1 23.1	1.812	2.729	9.4	21.3
2 21	11 4.12	+ 2 30.5	1.746	2.714	5.4	21.0
3 2	10 56.67	+ 3 50.5	1.709	2.698	1.3	20.7
3 12	10 48.92	+ 5 15.7	1.700	2.683	3.8	20.8
3 22	10 41.84	+ 6 38.3	1.719	2.668	8.1	21.1
4 1	10 36.31	+ 7 51.1	1.764	2.653	12.1	21.3
4 11	10 32.94	+ 8 49.1	1.830	2.638	15.5	21.5
81496	2000 GH_{159}		3	3.0 272.°71	3.°2/ 5.5 17	
2 1	11 20.14	− 2 36.3	1.838	2.661	14.1	19.3
2 11	11 14.35	− 2 46.1	1.741	2.642	10.7	19.1
2 21	11 6.37	− 2 39.6	1.667	2.623	7.0	18.8
3 2	10 56.89	− 2 18.2	1.620	2.603	3.6	18.6
3 12	10 46.96	− 1 45.6	1.602	2.583	4.5	18.6
3 22	10 37.70	− 1 7.3	1.611	2.563	8.4	18.8
4 1	10 30.15	− 0 29.5	1.646	2.542	12.4	18.9
4 11	10 25.05	+ 0 2.3	1.703	2.521	16.0	19.1
330049	2005 UY_{332}		3	3.0 95.°26	0.°2/ 3.2 18	
2 1	11 17.69	+ 3 34.8	1.817	2.666	13.0	21.7
2 11	11 12.33	+ 4 13.3	1.752	2.674	9.3	21.5
2 21	11 5.10	+ 5 4.5	1.711	2.682	5.1	21.2
3 2	10 56.76	+ 6 3.1	1.698	2.689	0.6	20.9
3 12	10 48.34	+ 7 2.1	1.714	2.697	4.0	21.2
3 22	10 40.83	+ 7 55.3	1.758	2.704	8.2	21.5
4 1	10 35.04	+ 8 37.4	1.827	2.712	12.0	21.7
4 11	10 31.52	+ 9 5.4	1.917	2.719	15.1	21.9
426686	2013 TB_{22}		3	3.0 146.°39	2.°7/29.4 17	
2 1	11 19.45	+13 11.9	2.071	2.933	11.1	21.8
2 11	11 13.41	+13 54.5	2.007	2.937	7.8	21.6
2 21	11 5.62	+14 39.9	1.970	2.942	4.4	21.4
3 2	10 56.81	+15 22.4	1.962	2.946	2.8	21.3
3 12	10 47.94	+15 56.1	1.982	2.950	5.4	21.5
3 22	10 39.93	+16 17.1	2.031	2.953	8.8	21.7
4 1	10 33.55	+16 23.3	2.105	2.957	12.0	21.9
4 11	10 29.31	+16 14.6	2.200	2.960	14.7	22.1
500682	2012 VC_{74}		3	3.0 196.°09	5.°3/25.7 17	
2 1	11 18.11	+23 37.4	2.436	3.299	9.6	21.5
2 11	11 12.35	+24 37.6	2.377	3.298	7.3	21.3
2 21	11 5.01	+25 32.9	2.346	3.297	5.6	21.2
3 2	10 56.75	+26 17.0	2.343	3.295	5.6	21.2
3 12	10 48.43	+26 45.0	2.368	3.294	7.4	21.3
3 22	10 40.87	+26 54.3	2.421	3.292	9.8	21.4
4 1	10 34.78	+26 44.9	2.496	3.290	12.2	21.6
4 11	10 30.61	+26 18.1	2.592	3.288	14.2	21.8
282629	2005 QY_{182}		3	3.0 247.°09	0.°9/ 3.7 17	
2 1	11 20.23	+ 1 14.6	1.607	2.452	14.7	22.1
2 11	11 14.65	+ 2 0.0	1.516	2.435	10.8	21.8
2 21	11 6.62	+ 3 4.8	1.449	2.417	6.1	21.5
3 2	10 56.92	+ 4 23.9	1.409	2.399	1.3	21.1
3 12	10 46.75	+ 5 48.7	1.397	2.380	4.5	21.3
3 22	10 37.37	+ 7 9.9	1.412	2.360	9.6	21.5
4 1	10 29.94	+ 8 19.2	1.453	2.340	14.3	21.8
4 11	10 25.27	+ 9 11.2	1.513	2.319	18.3	22.0
519485	2012 DD_{102}		3	3.0 187.°29	5.°4/26.9 18	
2 1	11 23.97	+22 13.7	2.114	2.973	11.0	20.7
2 11	11 16.65	+23 3.7	2.051	2.973	8.2	20.5
2 21	11 7.37	+23 48.7	2.016	2.972	5.9	20.4
3 2	10 56.97	+24 21.8	2.009	2.970	5.7	20.3
3 12	10 46.52	+24 37.5	2.031	2.968	7.7	20.5
3 22	10 37.05	+24 33.4	2.081	2.966	10.6	20.6
4 1	10 29.41	+24 9.7	2.154	2.963	13.3	20.8
4 11	10 24.13	+23 28.7	2.248	2.959	15.7	21.0
334568	2002 TO_{88}		3	3.0 158.°74	3.°5/ 7.1 18	
2 1	11 15.54	− 7 20.9	2.420	3.215	12.0	20.8
2 11	11 10.52	− 7 7.3	2.339	3.219	9.3	20.6
2 21	11 4.03	− 6 36.9	2.282	3.222	6.5	20.4
3 2	10 56.67	− 5 51.4	2.252	3.225	4.0	20.3
3 12	10 49.18	− 4 55.0	2.252	3.228	4.0	20.3
3 22	10 42.31	− 3 52.8	2.281	3.230	6.4	20.4
4 1	10 36.71	− 2 50.4	2.337	3.232	9.3	20.6
4 11	10 32.85	− 1 53.0	2.417	3.234	11.9	20.8
118680	2000 LQ_{35}		3	3.0 238.°04	0.°4/ 2.6 18	
2 1	11 16.97	+ 4 48.1	2.142	2.989	11.4	20.3
2 11	11 11.78	+ 5 44.3	2.054	2.976	8.1	20.1
2 21	11 4.83	+ 6 52.5	1.991	2.963	4.4	19.8
3 2	10 56.75	+ 8 7.4	1.958	2.949	0.5	19.5
3 12	10 48.41	+ 9 22.2	1.955	2.934	4.0	19.8
3 22	10 40.70	+10 30.4	1.980	2.919	7.9	20.0
4 1	10 34.43	+11 26.7	2.032	2.904	11.5	20.2
4 11	10 30.17	+12 7.9	2.106	2.888	14.6	20.3

2020	α_{2000}	δ_{2000}	Δ	r	β	V
209468	2004 GX_{52}		3	3.0 242.°40	0.°8/ 4.0 17	
	h m	° ′			°	m
2 1	11 14.71	+ 1 27.3	2.505	3.338	10.4	21.5
2 11	11 9.93	+ 2 0.7	2.417	3.330	7.6	21.3
2 21	11 3.73	+ 2 45.5	2.355	3.321	4.3	21.1
3 2	10 56.64	+ 3 38.3	2.322	3.312	1.1	20.8
3 12	10 49.39	+ 4 34.2	2.320	3.303	3.0	20.9
3 22	10 42.67	+ 5 28.5	2.347	3.294	6.4	21.1
4 1	10 37.15	+ 6 16.7	2.401	3.284	9.5	21.3
4 11	10 33.30	+ 6 55.2	2.479	3.275	12.3	21.5
135392	2001 TM_{198}		3	3.0 119.°38	1.°4/ 1.3 18	
2 1	11 15.10	+ 8 34.9	2.524	3.377	9.7	20.4
2 11	11 10.09	+ 9 37.4	2.463	3.390	6.7	20.2
2 21	11 3.74	+10 45.9	2.430	3.403	3.5	20.0
3 2	10 56.64	+11 55.3	2.426	3.415	1.4	19.9
3 12	10 49.50	+12 59.9	2.454	3.427	4.0	20.1
3 22	10 43.02	+13 55.1	2.510	3.439	7.1	20.3
4 1	10 37.77	+14 37.9	2.593	3.450	9.9	20.5
4 11	10 34.17	+15 6.5	2.699	3.461	12.2	20.7
462806	2010 RB_2		3	3.0 210.°51	1.°1/ 4.0 17	
2 1	11 20.50	+ 1 38.5	2.030	2.864	12.5	22.0
2 11	11 14.32	+ 2 2.2	1.945	2.857	9.1	21.7
2 21	11 6.21	+ 2 39.0	1.884	2.850	5.3	21.5
3 2	10 56.89	+ 3 25.3	1.852	2.842	1.4	21.2
3 12	10 47.31	+ 4 15.6	1.850	2.833	3.7	21.3
3 22	10 38.47	+ 5 4.0	1.877	2.823	7.8	21.6
4 1	10 31.24	+ 5 45.4	1.930	2.813	11.5	21.8
4 11	10 26.21	+ 6 16.0	2.006	2.802	14.8	22.0
289908	2005 NT_7		3	3.0 250.°77	1.°1/ 4.3 17	
2 1	11 14.88	+ 0 42.3	2.465	3.296	10.7	21.4
2 11	11 10.08	+ 1 10.2	2.377	3.287	7.8	21.2
2 21	11 3.82	+ 1 49.9	2.314	3.278	4.6	21.0
3 2	10 56.66	+ 2 38.3	2.280	3.269	1.4	20.8
3 12	10 49.32	+ 3 30.8	2.276	3.260	3.0	20.9
3 22	10 42.53	+ 4 22.5	2.302	3.250	6.4	21.1
4 1	10 36.96	+ 5 8.9	2.355	3.241	9.6	21.2
4 11	10 33.08	+ 5 46.4	2.431	3.231	12.4	21.4
49597	1999 FY_{12}		3	3.0 71.°27	1.°1/ 4.2 18	R
2 1	11 14.36	+ 0 8.1	2.124	2.960	11.9	19.0
2 11	11 9.80	+ 0 55.6	2.053	2.966	8.7	18.8
2 21	11 3.68	+ 1 57.4	2.007	2.972	5.0	18.6
3 2	10 56.64	+ 3 9.1	1.989	2.979	1.4	18.4
3 12	10 49.51	+ 4 24.3	2.001	2.985	3.3	18.5
3 22	10 43.09	+ 5 36.6	2.042	2.991	7.0	18.7
4 1	10 38.07	+ 6 40.1	2.109	2.997	10.4	19.0
4 11	10 34.94	+ 7 31.1	2.198	3.003	13.3	19.2
497613	2006 QK_4		3	3.0 149.°96	0.°7/ 2.1 17	
2 1	11 15.56	+ 7 19.1	2.899	3.744	8.8	22.3
2 11	11 10.28	+ 7 58.4	2.830	3.752	6.2	22.1
2 21	11 3.81	+ 8 43.5	2.789	3.761	3.2	21.9
3 2	10 56.66	+ 9 30.6	2.778	3.768	0.7	21.7
3 12	10 49.46	+10 15.5	2.798	3.776	3.1	21.9
3 22	10 42.82	+10 54.5	2.848	3.783	6.1	22.1
4 1	10 37.27	+11 25.0	2.926	3.789	8.7	22.3
4 11	10 33.19	+11 45.3	3.028	3.795	10.9	22.5
277690	2006 BS_{278}		3	3.0 199.°40	0.°6/ 2.4 17	
2 1	11 17.49	+ 6 23.7	2.120	2.971	11.4	21.3
2 11	11 12.06	+ 7 1.2	2.045	2.969	8.0	21.1
2 21	11 4.93	+ 7 47.7	1.995	2.967	4.3	20.8
3 2	10 56.77	+ 8 38.3	1.975	2.965	0.6	20.6
3 12	10 48.47	+ 9 27.2	1.984	2.963	3.9	20.8
3 22	10 40.90	+10 9.2	2.021	2.961	7.8	21.0
4 1	10 34.83	+10 40.5	2.084	2.958	11.2	21.2
4 11	10 30.77	+10 58.8	2.170	2.955	14.1	21.4
519305	2011 DH_{53}		3	3.0 154.°14	2.°9/ 5.9 17	
2 1	11 16.67	− 4 1.7	2.053	2.870	13.0	21.5
2 11	11 11.53	− 3 44.3	1.975	2.873	9.9	21.3
2 21	11 4.66	− 3 9.8	1.921	2.875	6.4	21.1
3 2	10 56.75	− 2 20.8	1.895	2.877	3.3	20.9
3 12	10 48.69	− 1 22.4	1.897	2.879	3.8	20.9
3 22	10 41.37	− 0 20.7	1.928	2.880	7.1	21.1
4 1	10 35.55	+ 0 38.1	1.985	2.882	10.6	21.4
4 11	10 31.78	+ 1 28.7	2.066	2.883	13.6	21.6
458832	2011 UJ_{28}		3	3.0 164.°45	2.°3/ 5.0 18	
2 1	11 21.22	− 1 38.8	1.870	2.695	13.8	22.0
2 11	11 14.85	− 1 22.9	1.796	2.700	10.3	21.8
2 21	11 6.50	− 0 50.5	1.746	2.705	6.3	21.6
3 2	10 56.93	− 0 4.9	1.723	2.709	2.7	21.3
3 12	10 47.21	+ 0 48.2	1.730	2.713	3.9	21.4
3 22	10 38.38	+ 1 42.5	1.766	2.716	7.9	21.7
4 1	10 31.33	+ 2 31.7	1.827	2.718	11.7	21.9
4 11	10 26.64	+ 3 11.2	1.911	2.719	14.9	22.1

221959 1995 OP_{15} 3 3.0 102.°90 0.°1/ 3.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 16.59	+ 2 41.6	1.967	2.812	12.4	21.2
2 11	11 11.42	+ 3 42.1	1.906	2.826	8.8	21.0
2 21	11 4.56	+ 4 55.7	1.870	2.840	4.8	20.7
3 2	10 56.74	+ 6 16.4	1.863	2.854	0.5	20.4
3 12	10 48.88	+ 7 36.9	1.885	2.867	3.8	20.7
3 22	10 41.87	+ 8 50.3	1.936	2.880	7.7	21.0
4 1	10 36.44	+ 9 51.1	2.013	2.893	11.3	21.2
4 11	10 33.07	+10 36.2	2.112	2.905	14.2	21.4

194125 2001 SV_{266} 3 3.0 116.°19 1.°9/ 1.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 22.87	+ 9 3.8	1.685	2.543	13.4	20.6
2 11	11 16.00	+ 9 59.7	1.634	2.563	9.4	20.4
2 21	11 7.06	+11 3.1	1.609	2.582	4.9	20.2
3 2	10 56.98	+12 6.5	1.612	2.601	1.9	20.0
3 12	10 46.97	+13 2.1	1.644	2.619	5.4	20.3
3 22	10 38.14	+13 44.1	1.704	2.636	9.5	20.6
4 1	10 31.37	+14 9.3	1.788	2.652	13.2	20.9
4 11	10 27.15	+14 17.2	1.893	2.668	16.3	21.1

5585 Parks 3 3.0 210.°47 9.°6/16.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 20.00	−33 30.6	3.175	3.746	13.4	20.2
2 11	11 13.73	−34 15.1	3.070	3.737	12.3	20.0
2 21	11 5.84	−34 37.0	2.983	3.726	11.2	19.9
3 2	10 56.88	−34 33.3	2.917	3.716	10.2	19.8
3 12	10 47.60	−34 3.4	2.875	3.704	9.6	19.8
3 22	10 38.78	−33 9.3	2.858	3.691	9.7	19.7
4 1	10 31.16	−31 55.5	2.866	3.678	10.3	19.8
4 11	10 25.29	−30 28.4	2.897	3.663	11.4	19.8

257209 2008 WW_{91} 3 3.0 128.°15 16.°8/15.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 29.49	+40 39.1	1.185	2.037	18.3	20.2
2 11	11 22.22	+43 45.3	1.174	2.048	16.9	20.1
2 21	11 10.94	+46 16.2	1.184	2.059	16.9	20.1
3 2	10 57.35	+47 54.6	1.214	2.069	18.2	20.2
3 12	10 43.92	+48 33.4	1.264	2.079	20.2	20.4
3 22	10 32.89	+48 16.5	1.329	2.088	22.4	20.6
4 1	10 25.73	+47 13.7	1.407	2.096	24.3	20.8
4 11	10 22.93	+45 37.1	1.495	2.103	26.0	21.0

280191 2002 SS_{21} 3 3.0 136.°28 0.°0/ 3.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 15.83	+ 3 52.5	2.536	3.375	10.1	21.6
2 11	11 10.61	+ 4 36.9	2.468	3.386	7.2	21.4
2 21	11 4.04	+ 5 30.5	2.427	3.396	3.9	21.2
3 2	10 56.70	+ 6 29.0	2.415	3.406	0.4	21.0
3 12	10 49.31	+ 7 27.4	2.434	3.415	3.1	21.2
3 22	10 42.56	+ 8 21.1	2.483	3.425	6.4	21.4
4 1	10 37.04	+ 9 6.1	2.559	3.433	9.4	21.6
4 11	10 33.18	+ 9 39.9	2.659	3.441	11.9	21.8

50974 2000 GA_{91} 3 3.0 301.°20 5.°7/25.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 17.30	+21 45.9	2.038	2.909	10.8	19.0
2 11	11 12.08	+23 1.0	1.977	2.904	8.1	18.9
2 21	11 4.99	+24 12.9	1.942	2.898	6.0	18.7
3 2	10 56.80	+25 13.6	1.934	2.893	6.1	18.7
3 12	10 48.48	+25 56.5	1.955	2.888	8.2	18.8
3 22	10 40.99	+26 17.8	2.001	2.882	11.1	19.0
4 1	10 35.18	+26 16.8	2.069	2.877	13.8	19.2
4 11	10 31.56	+25 55.1	2.157	2.872	16.2	19.3

99667 2002 JO_1 3 3.0 17.°87 0.°1/ 3.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 14.39	+ 2 50.8	1.549	2.409	14.3	18.8
2 11	11 10.28	+ 3 45.4	1.486	2.413	10.2	18.5
2 21	11 4.11	+ 4 56.5	1.446	2.418	5.6	18.3
3 2	10 56.72	+ 6 17.2	1.432	2.423	0.6	17.9
3 12	10 49.21	+ 7 38.5	1.446	2.429	4.4	18.2
3 22	10 42.67	+ 8 51.8	1.486	2.436	9.1	18.5
4 1	10 38.01	+ 9 50.3	1.551	2.443	13.3	18.8
4 11	10 35.78	+10 30.4	1.635	2.451	16.7	19.0

239919 2000 TA_{48} 3 3.0 197.°42 0.°3/ 2.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 14.05	+ 4 48.2	2.769	3.610	9.3	20.8
2 11	11 9.35	+ 5 42.4	2.688	3.608	6.6	20.6
2 21	11 3.38	+ 6 45.3	2.634	3.605	3.5	20.4
3 2	10 56.65	+ 7 52.8	2.611	3.602	0.4	20.1
3 12	10 49.80	+ 8 59.7	2.619	3.598	3.1	20.4
3 22	10 43.47	+10 1.4	2.657	3.595	6.2	20.6
4 1	10 38.21	+10 54.1	2.722	3.590	9.1	20.8
4 11	10 34.45	+11 35.1	2.811	3.586	11.5	20.9

363450 2003 SO_{172} 3 3.0 124.°82 0.°2/ 3.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 20.76	+ 3 39.5	1.843	2.687	13.1	21.5
2 11	11 14.44	+ 4 19.0	1.783	2.702	9.3	21.3
2 21	11 6.22	+ 5 10.6	1.747	2.717	5.1	21.1
3 2	10 56.92	+ 6 8.9	1.741	2.731	0.6	20.8
3 12	10 47.60	+ 7 7.0	1.763	2.745	4.0	21.1
3 22	10 39.28	+ 7 58.8	1.814	2.758	8.2	21.4
4 1	10 32.76	+ 8 39.4	1.891	2.771	11.9	21.6
4 11	10 28.56	+ 9 6.1	1.989	2.782	15.0	21.8

201220 2002 QP_{64} 3 3.0 49.°75 0.°7/ 2.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 17.60	+ 7 6.7	1.902	2.759	12.2	20.5
2 11	11 12.22	+ 7 36.3	1.838	2.766	8.6	20.3
2 21	11 5.04	+ 8 14.4	1.800	2.773	4.5	20.1
3 2	10 56.82	+ 8 55.7	1.789	2.780	0.7	19.8
3 12	10 48.54	+ 9 34.5	1.808	2.788	4.2	20.1
3 22	10 41.14	+10 5.8	1.854	2.795	8.2	20.3
4 1	10 35.42	+10 25.8	1.925	2.803	11.8	20.6
4 11	10 31.86	+10 32.8	2.017	2.811	14.8	20.8

1964 Luyten 3 3.0 100.°37 1.°4/ 4.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 20.36	+ 0 27.6	1.742	2.579	14.1	17.5
2 11	11 14.21	+ 0 58.9	1.685	2.599	10.2	17.3
2 21	11 6.10	+ 1 45.8	1.653	2.618	5.9	17.0
3 2	10 56.92	+ 2 43.1	1.648	2.637	1.7	16.8
3 12	10 47.76	+ 3 44.0	1.672	2.656	3.8	17.0
3 22	10 39.65	+ 4 41.7	1.725	2.674	8.1	17.3
4 1	10 33.43	+ 5 30.2	1.802	2.692	11.9	17.5
4 11	10 29.59	+ 6 6.0	1.902	2.709	15.0	17.8

116410 2003 YQ_{138} 3 3.0 319.°96 3.°9/27.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 14.21	+14 36.6	1.996	2.870	10.9	18.7
2 11	11 9.92	+16 9.6	1.928	2.863	7.7	18.5
2 21	11 3.86	+17 47.1	1.887	2.857	4.7	18.3
3 2	10 56.72	+19 20.6	1.874	2.851	4.2	18.2
3 12	10 49.39	+20 41.8	1.890	2.845	6.8	18.4
3 22	10 42.80	+21 44.7	1.933	2.839	10.2	18.5
4 1	10 37.74	+22 25.9	1.999	2.833	13.3	18.7
4 11	10 34.75	+22 45.1	2.085	2.828	15.9	18.9

414783 2010 QD_4 3 3.0 152.°83 0.°3/ 2.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 19.66	+ 4 47.9	2.068	2.912	11.9	22.4
2 11	11 13.57	+ 5 33.7	2.001	2.921	8.4	22.2
2 21	11 5.74	+ 6 30.1	1.959	2.930	4.5	22.0
3 2	10 56.90	+ 7 31.7	1.946	2.937	0.4	21.7
3 12	10 47.97	+ 8 32.1	1.964	2.944	3.9	22.0
3 22	10 39.88	+ 9 25.6	2.011	2.951	7.8	22.2
4 1	10 33.38	+10 7.8	2.084	2.957	11.2	22.4
4 11	10 28.98	+10 36.2	2.179	2.962	14.2	22.7

186911 2004 LS_{27} 3 3.0 290.°13 7.°1/24.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 17.26	+21 30.0	1.669	2.548	12.4	19.9
2 11	11 12.52	+23 24.4	1.603	2.533	9.4	19.7
2 21	11 5.45	+25 18.0	1.562	2.519	7.3	19.5
3 2	10 56.89	+26 59.2	1.549	2.504	7.7	19.5
3 12	10 48.00	+28 17.2	1.562	2.489	10.4	19.6
3 22	10 40.03	+29 6.1	1.599	2.475	13.7	19.8
4 1	10 34.05	+29 24.2	1.657	2.460	16.9	20.0
4 11	10 30.74	+29 13.7	1.731	2.446	19.6	20.1

145594 2006 QH_2 3 3.0 276.°17 0.°3/ 3.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 18.60	+ 3 12.1	1.644	2.495	14.1	20.4
2 11	11 13.46	+ 3 48.7	1.553	2.476	10.2	20.1
2 21	11 5.99	+ 4 41.5	1.485	2.456	5.7	19.8
3 2	10 56.95	+ 5 45.4	1.445	2.436	0.8	19.4
3 12	10 47.44	+ 6 52.7	1.432	2.415	4.5	19.6
3 22	10 38.70	+ 7 55.3	1.447	2.395	9.5	19.8
4 1	10 31.83	+ 8 46.3	1.486	2.374	14.0	20.0
4 11	10 27.59	+ 9 21.2	1.545	2.353	17.9	20.2

289580 2005 ER_{324} 3 3.0 248.°13 3.°7/27.3 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 19.12	+19 36.6	2.915	3.771	8.4	21.8
2 11	11 12.98	+20 23.3	2.826	3.749	6.2	21.6
2 21	11 5.39	+21 8.8	2.766	3.726	4.2	21.4
3 2	10 56.88	+21 48.1	2.736	3.703	3.9	21.4
3 12	10 48.17	+22 16.8	2.737	3.680	5.7	21.5
3 22	10 39.96	+22 32.0	2.766	3.655	8.1	21.6
4 1	10 32.93	+22 32.3	2.822	3.630	10.5	21.7
4 11	10 27.55	+22 18.2	2.899	3.605	12.6	21.8

249380 2009 BZ_{44} 3 3.0 274.°47 1.°3/ 4.0 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 20.74	+ 1 58.3	1.648	2.493	14.4	20.9
2 11	11 15.03	+ 2 10.6	1.553	2.471	10.6	20.6
2 21	11 6.89	+ 2 38.2	1.481	2.449	6.2	20.3
3 2	10 57.05	+ 3 17.7	1.436	2.426	1.7	19.9
3 12	10 46.68	+ 4 3.2	1.419	2.403	4.4	20.1
3 22	10 37.06	+ 4 47.6	1.429	2.380	9.3	20.3
4 1	10 29.34	+ 5 24.6	1.464	2.356	13.9	20.5
4 11	10 24.34	+ 5 49.4	1.519	2.332	17.9	20.7

430206 2013 TX_{142} 3 3.0 220.°67 4.°5/27.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 21.07	+19 47.6	2.308	3.168	10.2	21.5
2 11	11 14.58	+20 38.7	2.235	3.159	7.4	21.3
2 21	11 6.31	+21 27.9	2.189	3.150	5.1	21.1
3 2	10 56.97	+22 8.7	2.173	3.141	4.7	21.1
3 12	10 47.49	+22 35.6	2.186	3.130	6.8	21.2
3 22	10 38.76	+22 45.6	2.227	3.120	9.6	21.3
4 1	10 31.59	+22 37.8	2.292	3.108	12.4	21.5
4 11	10 26.52	+22 13.2	2.378	3.097	14.8	21.7

2020	α_{2000}	δ_{2000}	Δ	r	β	V
303376	2004 VN_{95}		3	3.0	286.°76	3.°2/ 5.2 16
	h m	° ′			°	m
2 1	11 20.01	− 1 49.0	1.463	2.303	16.2	20.4
2 11	11 14.69	− 1 53.8	1.376	2.287	12.3	20.1
2 21	11 6.77	− 1 38.9	1.310	2.271	7.8	19.8
3 2	10 57.04	− 1 6.1	1.269	2.255	3.7	19.5
3 12	10 46.81	− 0 21.1	1.255	2.238	4.9	19.6
3 22	10 37.46	+ 0 28.9	1.267	2.222	9.7	19.8
4 1	10 30.22	+ 1 15.8	1.303	2.206	14.5	20.0
4 11	10 25.94	+ 1 52.8	1.358	2.191	18.6	20.2
233879	2008 WM_{91}		3	3.0	168.°20	2.°7/ 6.1 17
2 1	11 17.02	− 3 57.2	2.514	3.321	11.2	21.1
2 11	11 11.54	− 3 54.7	2.432	3.323	8.6	20.9
2 21	11 4.61	− 3 38.8	2.376	3.325	5.6	20.7
3 2	10 56.82	− 3 11.2	2.348	3.327	3.1	20.6
3 12	10 48.90	− 2 35.4	2.350	3.329	3.5	20.6
3 22	10 41.58	− 1 55.6	2.381	3.330	6.2	20.8
4 1	10 35.51	− 1 16.3	2.440	3.331	9.1	21.0
4 11	10 31.15	− 0 41.6	2.523	3.332	11.7	21.1
327322	2005 UO_{53}		3	3.0	148.°17	4.°9/ 8.8 18
2 1	11 16.57	−12 6.2	2.177	2.950	13.8	21.7
2 11	11 11.41	−11 42.1	2.097	2.958	11.1	21.6
2 21	11 4.61	−10 55.2	2.040	2.965	8.2	21.4
3 2	10 56.83	− 9 47.2	2.010	2.971	5.6	21.2
3 12	10 48.92	− 8 23.0	2.008	2.978	5.1	21.2
3 22	10 41.74	− 6 49.5	2.035	2.983	7.1	21.3
4 1	10 36.01	− 5 14.7	2.090	2.989	10.0	21.5
4 11	10 32.24	− 3 45.7	2.169	2.993	12.8	21.7
270058	2001 OY_{54}		3	3.0	133.°82	0.°5/ 3.6 18
2 1	11 20.58	+ 3 14.9	2.374	3.205	11.0	21.8
2 11	11 13.99	+ 3 41.4	2.310	3.223	7.9	21.6
2 21	11 5.88	+ 4 17.3	2.273	3.240	4.4	21.4
3 2	10 56.95	+ 4 58.9	2.265	3.256	0.8	21.2
3 12	10 48.00	+ 5 41.3	2.289	3.271	3.2	21.4
3 22	10 39.84	+ 6 20.3	2.343	3.286	6.7	21.6
4 1	10 33.12	+ 6 52.0	2.424	3.299	9.8	21.9
4 11	10 28.28	+ 7 14.2	2.529	3.312	12.4	22.1
166588	2002 RY_{161}		3	3.0	108.°24	0.°6/ 3.7 18
2 1	11 16.73	+ 2 41.7	2.238	3.077	11.3	21.1
2 11	11 11.40	+ 3 12.4	2.171	3.087	8.1	20.9
2 21	11 4.55	+ 3 53.8	2.130	3.098	4.5	20.7
3 2	10 56.82	+ 4 42.0	2.118	3.108	0.9	20.4
3 12	10 49.05	+ 5 31.8	2.136	3.119	3.2	20.6
3 22	10 42.00	+ 6 18.1	2.182	3.129	6.9	20.9
4 1	10 36.36	+ 6 56.7	2.256	3.138	10.1	21.1
4 11	10 32.59	+ 7 24.7	2.352	3.148	12.8	21.3
322645	1998 VM_{41}		3	3.0	158.°05	6.°1/ 9.3 18
2 1	11 17.88	−13 31.0	2.011	2.779	15.0	21.2
2 11	11 12.49	−13 29.4	1.930	2.784	12.3	21.0
2 21	11 5.26	−13 3.3	1.871	2.788	9.3	20.8
3 2	10 56.90	−12 13.2	1.838	2.792	6.8	20.7
3 12	10 48.36	−11 3.3	1.832	2.796	6.2	20.6
3 22	10 40.59	− 9 40.2	1.854	2.799	8.0	20.7
4 1	10 34.43	− 8 12.0	1.903	2.802	10.9	20.9
4 11	10 30.43	− 6 47.1	1.975	2.804	13.8	21.1
180585	2004 FJ_{35}		3	3.0	305.°23	4.°1/ 6.9 18
2 1	11 15.19	− 7 12.3	1.633	2.452	15.7	20.0
2 11	11 10.96	− 6 42.9	1.549	2.444	12.3	19.7
2 21	11 4.59	− 5 47.6	1.487	2.436	8.3	19.5
3 2	10 56.85	− 4 29.0	1.450	2.429	4.8	19.2
3 12	10 48.81	− 2 54.1	1.441	2.422	4.8	19.2
3 22	10 41.59	− 1 12.5	1.458	2.415	8.5	19.4
4 1	10 36.18	+ 0 25.8	1.501	2.408	12.6	19.6
4 11	10 33.25	+ 1 52.2	1.565	2.401	16.4	19.9
350229	2012 TV_{18}		3	3.0	152.°41	0.°5/ 2.4 17
2 1	11 16.17	+ 6 43.2	3.005	3.845	8.7	23.0
2 11	11 10.71	+ 7 19.6	2.935	3.855	6.1	22.8
2 21	11 4.08	+ 8 1.9	2.893	3.864	3.2	22.7
3 2	10 56.79	+ 8 46.4	2.882	3.872	0.5	22.4
3 12	10 49.46	+ 9 29.3	2.902	3.880	3.0	22.7
3 22	10 42.67	+10 7.1	2.953	3.888	5.8	22.9
4 1	10 36.94	+10 37.1	3.031	3.895	8.4	23.0
4 11	10 32.65	+10 57.5	3.133	3.901	10.6	23.2
435949	2009 DO_3		3	3.0	149.°91	0.°9/ 2.0 17
2 1	11 17.64	+ 8 51.9	2.612	3.460	9.6	21.2
2 11	11 11.89	+ 9 14.6	2.541	3.465	6.7	21.0
2 21	11 4.77	+ 9 42.2	2.498	3.470	3.5	20.8
3 2	10 56.86	+10 10.8	2.484	3.474	0.9	20.6
3 12	10 48.89	+10 36.5	2.502	3.479	3.5	20.8
3 22	10 41.57	+10 56.1	2.548	3.483	6.7	21.0
4 1	10 35.50	+11 7.1	2.622	3.486	9.5	21.2
4 11	10 31.10	+11 8.2	2.718	3.490	11.9	21.4

2020	α_{2000}	δ_{2000}	Δ	r	β	V
78512	2002 RK_{87}		3	3.1	111.°80	0.°0/ 3.0 18
	h m	° ′			°	m
2 1	11 16.77	+ 4 36.9	2.385	3.227	10.6	20.2
2 11	11 11.34	+ 5 14.9	2.322	3.242	7.5	20.0
2 21	11 4.48	+ 6 1.6	2.287	3.257	4.0	19.8
3 2	10 56.84	+ 6 52.7	2.280	3.271	0.4	19.5
3 12	10 49.17	+ 7 43.2	2.304	3.285	3.3	19.8
3 22	10 42.22	+ 8 28.5	2.357	3.299	6.7	20.1
4 1	10 36.60	+ 9 4.9	2.437	3.312	9.7	20.3
4 11	10 32.75	+ 9 30.1	2.540	3.325	12.3	20.5
166843	2002 VU_{124}		3	3.1	76.°00	1.°2/ 1.7 18
2 1	11 16.73	+ 7 38.5	2.136	2.991	11.1	20.6
2 11	11 11.38	+ 8 35.2	2.088	3.015	7.7	20.4
2 21	11 4.51	+ 9 38.9	2.066	3.039	4.0	20.3
3 2	10 56.85	+10 43.8	2.073	3.063	1.2	20.1
3 12	10 49.23	+11 43.7	2.110	3.087	4.1	20.3
3 22	10 42.46	+12 33.6	2.176	3.110	7.6	20.6
4 1	10 37.18	+13 10.2	2.267	3.133	10.7	20.8
4 11	10 33.81	+13 32.3	2.380	3.156	13.3	21.1
328299	2008 GP_{137}		3	3.1	23.°05	15.°5/18.7 17
2 1	11 29.60	+44 36.1	1.437	2.265	17.0	20.5
2 11	11 21.67	+46 6.5	1.416	2.270	15.8	20.4
2 21	11 10.38	+47 4.7	1.415	2.276	15.5	20.4
3 2	10 57.40	+47 19.5	1.434	2.283	16.2	20.5
3 12	10 44.88	+46 47.0	1.473	2.290	17.7	20.6
3 22	10 34.64	+45 30.9	1.530	2.298	19.5	20.7
4 1	10 27.82	+43 39.6	1.603	2.306	21.3	20.9
4 11	10 24.77	+41 23.2	1.690	2.315	22.8	21.0
31626	1999 GV_{20}		3	3.1	140.°49	5.°0/26.2 18
2 1	11 17.93	+21 58.3	2.384	3.249	9.7	18.2
2 11	11 12.27	+23 0.8	2.329	3.253	7.2	18.0
2 21	11 5.03	+23 59.4	2.302	3.257	5.3	17.9
3 2	10 56.91	+24 47.8	2.303	3.261	5.3	17.9
3 12	10 48.74	+25 20.8	2.332	3.265	7.1	18.0
3 22	10 41.36	+25 35.8	2.389	3.269	9.6	18.2
4 1	10 35.44	+25 32.3	2.470	3.272	12.0	18.4
4 11	10 31.45	+25 11.5	2.570	3.276	14.1	18.5
254040	2004 GU_{17}		3	3.1	11.°90	1.°2/ 3.9 18
2 1	11 17.20	+ 2 8.2	1.347	2.207	16.0	20.6
2 11	11 12.57	+ 2 27.6	1.283	2.209	11.6	20.4
2 21	11 5.51	+ 3 4.5	1.242	2.212	6.6	20.1
3 2	10 56.96	+ 3 53.7	1.225	2.215	1.6	19.8
3 12	10 48.26	+ 4 47.2	1.235	2.219	4.6	20.0
3 22	10 40.70	+ 5 36.7	1.269	2.224	9.7	20.3
4 1	10 35.34	+ 6 15.5	1.327	2.230	14.3	20.6
4 11	10 32.82	+ 6 39.0	1.404	2.236	18.1	20.8
370031	2000 QS_{147}		3	3.1	201.°56	9.°4/ 6.4 18
2 1	11 33.81	− 7 47.5	1.160	1.971	21.3	20.4
2 11	11 25.22	− 9 44.0	1.087	1.970	17.3	20.2
2 21	11 12.81	−11 19.1	1.034	1.969	13.0	19.9
3 2	10 57.71	−12 25.8	1.005	1.967	9.8	19.7
3 12	10 41.90	−13 1.1	1.002	1.965	10.0	19.7
3 22	10 27.52	−13 8.4	1.023	1.962	13.5	19.9
4 1	10 16.39	−12 56.4	1.066	1.959	17.8	20.1
4 11	10 9.50	−12 36.5	1.127	1.956	21.9	20.4
216533	2001 QU_{195}		3	3.1	170.°17	5.°6/ 9.3 18
2 1	11 18.44	−13 28.9	2.349	3.106	13.4	20.6
2 11	11 12.70	−13 31.7	2.264	3.111	11.0	20.4
2 21	11 5.32	−13 13.5	2.202	3.114	8.4	20.3
3 2	10 56.95	−12 34.9	2.167	3.117	6.2	20.1
3 12	10 48.41	−11 38.8	2.160	3.119	5.7	20.1
3 22	10 40.52	−10 30.6	2.181	3.121	7.3	20.2
4 1	10 34.03	− 9 16.8	2.230	3.122	9.8	20.4
4 11	10 29.45	− 8 4.2	2.304	3.123	12.4	20.5
500333	2012 SF_{27}		3	3.1	145.°39	1.°2/ 1.8 17
2 1	11 18.92	+ 9 40.1	2.493	3.343	9.9	21.8
2 11	11 12.83	+10 2.7	2.425	3.349	6.9	21.7
2 21	11 5.30	+10 29.8	2.384	3.356	3.7	21.5
3 2	10 56.94	+10 57.2	2.372	3.362	1.2	21.3
3 12	10 48.54	+11 20.9	2.392	3.368	3.8	21.5
3 22	10 40.83	+11 37.5	2.440	3.373	7.0	21.7
4 1	10 34.47	+11 44.9	2.516	3.378	9.9	21.9
4 11	10 29.89	+11 41.9	2.614	3.383	12.4	22.1
494665	2001 TQ_{84}		3	3.1	180.°56	0.°7/ 3.9 17
2 1	11 18.32	+ 1 45.6	2.495	3.323	10.6	22.7
2 11	11 12.48	+ 2 22.5	2.414	3.325	7.7	22.5
2 21	11 5.15	+ 3 10.5	2.360	3.326	4.4	22.3
3 2	10 56.93	+ 4 5.8	2.336	3.326	1.0	22.0
3 12	10 48.58	+ 5 3.5	2.343	3.325	3.0	22.2
3 22	10 40.85	+ 5 58.6	2.380	3.324	6.5	22.4
4 1	10 34.41	+ 6 46.6	2.445	3.322	9.6	22.6
4 11	10 29.72	+ 7 24.6	2.533	3.319	12.3	22.8

284105 2005 SJ_{63} 3 3.1 258.°94 1.°2/ 3.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 19.77	+ 1 8.8	1.426	2.277	15.8	21.7
2 11	11 14.51	+ 1 41.5	1.346	2.267	11.6	21.4
2 21	11 6.67	+ 2 34.0	1.287	2.256	6.7	21.1
3 2	10 57.10	+ 3 41.3	1.255	2.245	1.7	20.8
3 12	10 47.12	+ 4 54.7	1.250	2.234	4.7	20.9
3 22	10 38.12	+ 6 4.9	1.270	2.222	10.0	21.2
4 1	10 31.29	+ 7 3.6	1.314	2.211	14.9	21.4
4 11	10 27.41	+ 7 45.2	1.378	2.199	19.0	21.7

281509 2008 TB_{19} 3 3.1 343.°89 1.°3/ 1.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 17.34	+ 8 27.2	1.985	2.844	11.7	21.2
2 11	11 12.08	+ 9 6.0	1.915	2.843	8.2	21.0
2 21	11 5.03	+ 9 52.5	1.870	2.843	4.3	20.7
3 2	10 56.92	+10 41.2	1.853	2.843	1.3	20.5
3 12	10 48.69	+11 25.9	1.865	2.842	4.5	20.7
3 22	10 41.25	+12 1.5	1.905	2.842	8.4	20.9
4 1	10 35.40	+12 24.5	1.970	2.842	11.9	21.2
4 11	10 31.67	+12 33.2	2.057	2.842	14.8	21.4

215711 2004 BD_{50} 3 3.1 118.°51 3.°3/ 6.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 17.98	− 4 53.2	2.299	3.105	12.2	20.7
2 11	11 12.32	− 4 59.2	2.223	3.112	9.4	20.5
2 21	11 5.09	− 4 50.4	2.172	3.119	6.3	20.3
3 2	10 56.94	− 4 28.2	2.149	3.126	3.7	20.2
3 12	10 48.67	− 3 56.1	2.155	3.133	3.9	20.2
3 22	10 41.10	− 3 18.7	2.190	3.139	6.6	20.4
4 1	10 34.92	− 2 40.8	2.252	3.146	9.6	20.6
4 11	10 30.61	− 2 6.8	2.338	3.152	12.3	20.8

133081 2003 KH_{16} 3 3.1 236.°07 0.°9/ 2.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 20.77	+ 6 32.4	1.864	2.716	12.7	20.9
2 11	11 14.77	+ 7 18.8	1.777	2.701	9.0	20.6
2 21	11 6.64	+ 8 16.6	1.714	2.686	4.8	20.3
3 2	10 57.10	+ 9 20.0	1.680	2.671	0.9	20.0
3 12	10 47.21	+10 21.6	1.675	2.654	4.7	20.2
3 22	10 38.07	+11 14.7	1.699	2.637	9.1	20.5
4 1	10 30.67	+11 54.2	1.748	2.619	13.1	20.7
4 11	10 25.68	+12 17.3	1.818	2.600	16.6	20.9

385081 2012 UY_{113} 3 3.1 29.°46 1.°5/ 1.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 17.33	+ 9 42.9	1.961	2.822	11.7	20.8
2 11	11 12.03	+10 10.9	1.898	2.829	8.2	20.6
2 21	11 4.98	+10 44.7	1.862	2.835	4.3	20.4
3 2	10 56.93	+11 19.1	1.853	2.842	1.5	20.2
3 12	10 48.84	+11 48.7	1.873	2.849	4.5	20.4
3 22	10 41.61	+12 9.1	1.920	2.857	8.3	20.7
4 1	10 36.00	+12 17.6	1.993	2.865	11.7	20.9
4 11	10 32.51	+12 13.0	2.087	2.873	14.6	21.1

31672 1999 JB_8 3 3.1 5.°41 19.°6/13.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 28.77	+48 58.6	1.160	1.988	20.2	16.8
2 11	11 22.04	+51 1.5	1.145	1.988	19.6	16.8
2 21	11 10.93	+52 22.1	1.147	1.988	19.8	16.8
3 2	10 57.49	+52 46.6	1.166	1.990	20.8	16.9
3 12	10 44.54	+52 10.7	1.200	1.992	22.4	17.0
3 22	10 34.44	+50 40.0	1.249	1.996	24.1	17.1
4 1	10 28.54	+48 25.5	1.309	2.001	25.7	17.3
4 11	10 27.10	+45 39.8	1.381	2.007	27.2	17.4

9503 Agrawain 3 3.1 53.°81 1.°8/ 1.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 18.29	+11 16.6	2.171	3.030	10.8	17.8
2 11	11 12.59	+11 42.9	2.105	3.034	7.6	17.6
2 21	11 5.25	+12 13.2	2.065	3.038	4.1	17.4
3 2	10 56.96	+12 42.5	2.054	3.042	1.8	17.2
3 12	10 48.62	+13 6.1	2.072	3.046	4.5	17.4
3 22	10 41.06	+13 20.3	2.118	3.050	8.0	17.6
4 1	10 35.01	+13 23.0	2.191	3.054	11.2	17.8
4 11	10 30.96	+13 13.3	2.284	3.058	13.8	18.0

270004 2001 BR_{23} 3 3.1 88.°03 0.°5/ 3.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 23.27	+ 3 31.9	1.259	2.118	17.0	19.9
2 11	11 16.89	+ 3 58.5	1.206	2.132	12.2	19.7
2 21	11 7.82	+ 4 41.6	1.175	2.147	6.7	19.4
3 2	10 57.21	+ 5 34.5	1.170	2.161	1.0	19.1
3 12	10 46.62	+ 6 28.1	1.191	2.175	5.0	19.4
3 22	10 37.49	+ 7 14.2	1.238	2.189	10.4	19.7
4 1	10 30.94	+ 7 46.7	1.308	2.202	15.1	20.0
4 11	10 27.53	+ 8 2.6	1.396	2.216	18.9	20.3

420445 2012 DA_{39} 3 3.1 235.°88 12.°8/11.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 25.00	+47 23.2	2.134	2.933	13.2	20.4
2 11	11 18.33	+49 45.9	2.107	2.923	12.8	20.3
2 21	11 8.77	+51 44.6	2.103	2.912	13.2	20.3
3 2	10 57.32	+53 9.0	2.123	2.901	14.2	20.4
3 12	10 45.53	+53 54.0	2.162	2.889	15.6	20.4
3 22	10 34.95	+53 59.6	2.219	2.877	17.0	20.5
4 1	10 26.91	+53 29.9	2.290	2.865	18.4	20.6
4 11	10 22.14	+52 31.6	2.371	2.852	19.5	20.7

1812 Gilgamesh 3 3.1 72.°96 1.°3/ 4.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 14.61	− 0 43.8	2.094	2.927	12.2	16.2
2 11	11 10.04	+ 0 4.2	2.024	2.935	8.9	16.0
2 21	11 3.90	+ 1 7.4	1.980	2.943	5.2	15.8
3 2	10 56.84	+ 2 21.2	1.963	2.952	1.7	15.5
3 12	10 49.69	+ 3 39.3	1.976	2.960	3.3	15.7
3 22	10 43.27	+ 4 54.8	2.018	2.968	7.0	15.9
4 1	10 38.27	+ 6 1.9	2.086	2.977	10.4	16.1
4 11	10 35.18	+ 6 56.4	2.177	2.985	13.4	16.3

454090 2013 BJ_8 3 3.1 114.°73 0.°7/ 3.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 22.93	+ 3 16.0	1.459	2.311	15.5	21.7
2 11	11 16.45	+ 3 35.1	1.398	2.320	11.2	21.5
2 21	11 7.54	+ 4 9.0	1.360	2.330	6.2	21.2
3 2	10 57.20	+ 4 52.2	1.349	2.339	1.1	20.9
3 12	10 46.78	+ 5 37.5	1.365	2.348	4.5	21.1
3 22	10 37.59	+ 6 17.8	1.408	2.357	9.5	21.4
4 1	10 30.68	+ 6 47.5	1.474	2.365	13.9	21.7
4 11	10 26.64	+ 7 3.2	1.561	2.374	17.5	22.0

468309 2016 AD_{128} 3 3.1 244.°86 6.°5/24.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 19.91	+24 36.9	2.194	3.057	10.5	21.4
2 11	11 14.02	+26 7.6	2.122	3.041	8.2	21.2
2 21	11 6.18	+27 34.2	2.078	3.024	6.6	21.1
3 2	10 57.08	+28 48.0	2.062	3.006	7.0	21.1
3 12	10 47.71	+29 41.8	2.074	2.988	9.0	21.2
3 22	10 39.07	+30 11.7	2.113	2.969	11.7	21.3
4 1	10 32.07	+30 17.0	2.173	2.950	14.3	21.4
4 11	10 27.31	+29 59.6	2.252	2.930	16.5	21.6

58339 1994 WB_{12} 3 3.1 9.°60 4.°3/29.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 20.20	+13 39.3	1.261	2.143	15.3	18.7
2 11	11 14.89	+14 40.0	1.205	2.143	10.8	18.4
2 21	11 6.84	+15 46.0	1.171	2.144	6.3	18.2
3 2	10 57.14	+16 47.0	1.162	2.146	4.4	18.1
3 12	10 47.31	+17 32.5	1.179	2.147	8.0	18.3
3 22	10 38.84	+17 56.2	1.220	2.150	12.7	18.5
4 1	10 32.89	+17 55.8	1.282	2.152	17.0	18.8
4 11	10 30.09	+17 32.5	1.361	2.155	20.5	19.1

242600 2005 JD_{49} 3 3.1 160.°75 9.°3/20.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 23.13	+38 32.3	2.394	3.224	11.0	20.4
2 11	11 16.12	+39 46.3	2.358	3.226	9.8	20.3
2 21	11 7.17	+40 43.9	2.347	3.228	9.3	20.3
3 2	10 57.16	+41 17.9	2.361	3.230	9.9	20.4
3 12	10 47.20	+41 24.5	2.400	3.231	11.2	20.4
3 22	10 38.33	+41 3.5	2.462	3.233	12.8	20.6
4 1	10 31.36	+40 17.6	2.543	3.234	14.5	20.7
4 11	10 26.79	+39 11.2	2.641	3.235	15.9	20.8

500432 2012 TG_{151} 3 3.1 148.°56 0.°8/ 4.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 15.71	+ 1 38.9	2.853	3.680	9.5	22.6
2 11	11 10.47	+ 2 8.3	2.780	3.689	6.9	22.5
2 21	11 4.01	+ 2 47.0	2.733	3.698	3.9	22.3
3 2	10 56.86	+ 3 31.8	2.716	3.706	1.0	22.1
3 12	10 49.65	+ 4 18.7	2.731	3.713	2.6	22.2
3 22	10 42.99	+ 5 3.9	2.775	3.721	5.6	22.4
4 1	10 37.41	+ 5 43.8	2.848	3.727	8.3	22.6
4 11	10 33.33	+ 6 15.6	2.945	3.734	10.7	22.8

39000 2000 UZ_{26} 3 3.1 179.°79 0.°0/ 2.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 19.38	+ 3 24.9	1.881	2.725	12.9	20.3
2 11	11 13.63	+ 4 18.4	1.807	2.727	9.2	20.1
2 21	11 5.94	+ 5 25.7	1.758	2.728	5.0	19.8
3 2	10 57.06	+ 6 41.0	1.737	2.728	0.5	19.5
3 12	10 48.00	+ 7 56.5	1.746	2.728	4.1	19.8
3 22	10 39.79	+ 9 5.1	1.784	2.727	8.4	20.0
4 1	10 33.28	+10 1.2	1.848	2.725	12.2	20.2
4 11	10 29.05	+10 41.4	1.933	2.723	15.4	20.5

163003 2001 SN_{226} 3 3.1 205.°60 1.°7/ 1.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 16.65	+10 35.5	2.541	3.395	9.6	20.9
2 11	11 11.32	+11 17.1	2.465	3.392	6.7	20.7
2 21	11 4.55	+12 3.4	2.416	3.388	3.6	20.5
3 2	10 56.92	+12 49.7	2.397	3.384	1.7	20.4
3 12	10 49.17	+13 31.2	2.408	3.380	4.1	20.5
3 22	10 42.02	+14 3.9	2.448	3.375	7.3	20.7
4 1	10 36.13	+14 25.2	2.515	3.370	10.2	20.9
4 11	10 31.94	+14 33.9	2.604	3.365	12.6	21.1

82049 2000 SL_{291} 3 3.1 247.°80 2.°5/29.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 19.71	+14 33.9	2.535	3.391	9.6	20.0
2 11	11 13.51	+14 57.5	2.453	3.380	6.8	19.8
2 21	11 5.74	+15 22.2	2.399	3.369	3.9	19.6
3 2	10 57.04	+15 43.5	2.374	3.358	2.5	19.5
3 12	10 48.19	+15 57.4	2.380	3.346	4.7	19.6
3 22	10 39.97	+16 1.0	2.415	3.334	7.8	19.8
4 1	10 33.10	+15 52.7	2.476	3.322	10.6	19.9
4 11	10 28.06	+15 32.4	2.560	3.310	13.1	20.1

261504 2005 WX_{35} 3 3.1 283.°57 4.°4/26.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 15.35	+20 4.1	2.524	3.391	9.2	20.3
2 11	11 10.49	+21 8.3	2.454	3.381	6.7	20.1
2 21	11 4.13	+22 11.2	2.411	3.371	4.8	20.0
3 2	10 56.88	+23 6.6	2.398	3.362	4.6	19.9
3 12	10 49.49	+23 49.2	2.413	3.352	6.5	20.0
3 22	10 42.72	+24 15.7	2.455	3.342	9.1	20.2
4 1	10 37.22	+24 24.6	2.521	3.332	11.6	20.3
4 11	10 33.50	+24 16.3	2.608	3.323	13.7	20.5

133237 2003 QH_{107} 3 3.1 198.°63 4.°0/28.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 22.29	+15 49.9	1.881	2.745	12.0	20.4
2 11	11 15.74	+16 49.5	1.813	2.742	8.5	20.2
2 21	11 7.10	+17 50.7	1.771	2.739	5.2	20.0
3 2	10 57.18	+18 46.0	1.757	2.735	4.2	19.9
3 12	10 47.10	+19 28.0	1.772	2.730	6.8	20.0
3 22	10 37.96	+19 52.2	1.814	2.725	10.4	20.2
4 1	10 30.69	+19 56.8	1.881	2.719	13.8	20.4
4 11	10 25.88	+19 42.6	1.967	2.713	16.7	20.6

38925 2000 SE_{222} 3 3.1 169.°68 0.°3/ 3.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 17.78	+ 1 13.6	1.762	2.606	13.6	19.4
2 11	11 12.60	+ 2 29.3	1.690	2.609	9.8	19.2
2 21	11 5.42	+ 4 2.9	1.642	2.611	5.4	18.9
3 2	10 57.01	+ 5 47.6	1.622	2.613	0.7	18.6
3 12	10 48.44	+ 7 33.8	1.633	2.615	4.1	18.8
3 22	10 40.73	+ 9 12.3	1.671	2.616	8.7	19.1
4 1	10 34.78	+10 35.5	1.735	2.617	12.7	19.3
4 11	10 31.17	+11 39.3	1.821	2.617	16.0	19.6

155273 2005 WR_{119} 3 3.1 159.°96 0.°0/ 2.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 17.96	+ 4 20.3	2.070	2.915	11.8	20.8
2 11	11 12.46	+ 5 1.2	1.999	2.919	8.4	20.6
2 21	11 5.24	+ 5 53.0	1.953	2.923	4.6	20.4
3 2	10 57.00	+ 6 50.7	1.935	2.926	0.4	20.1
3 12	10 48.64	+ 7 48.4	1.948	2.929	3.7	20.3
3 22	10 41.05	+ 8 40.2	1.989	2.932	7.6	20.6
4 1	10 34.99	+ 9 21.7	2.056	2.934	11.1	20.8
4 11	10 30.99	+ 9 50.0	2.146	2.936	14.1	21.0

113266 2002 RM_{150} 3 3.1 79.°14 4.°0/ 7.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 15.90	− 7 36.7	2.115	2.915	13.3	19.2
2 11	11 10.98	− 7 27.8	2.041	2.923	10.4	19.0
2 21	11 4.43	− 6 59.9	1.990	2.931	7.2	18.9
3 2	10 56.92	− 6 14.9	1.966	2.938	4.5	18.7
3 12	10 49.29	− 5 17.4	1.970	2.946	4.4	18.7
3 22	10 42.38	− 4 13.3	2.002	2.954	7.0	18.9
4 1	10 36.94	− 3 9.1	2.061	2.961	10.1	19.1
4 11	10 33.44	− 2 10.5	2.144	2.969	12.9	19.3

129326 2005 TJ_{83} 3 3.1 186.°01 5.°5/25.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 23.38	+25 27.0	2.643	3.494	9.4	20.8
2 11	11 16.04	+26 22.5	2.583	3.494	7.2	20.7
2 21	11 7.08	+27 11.6	2.550	3.493	5.7	20.6
3 2	10 57.18	+27 48.4	2.546	3.491	5.7	20.6
3 12	10 47.24	+28 8.3	2.573	3.489	7.4	20.7
3 22	10 38.09	+28 9.5	2.627	3.486	9.6	20.8
4 1	10 30.44	+27 52.3	2.706	3.481	11.8	21.0
4 11	10 24.78	+27 18.6	2.805	3.476	13.7	21.1

405256 2003 SY_{265} 3 3.1 145.°85 0.°4/ 2.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 20.47	+ 5 10.1	1.958	2.804	12.4	22.5
2 11	11 14.26	+ 5 57.2	1.893	2.815	8.8	22.3
2 21	11 6.22	+ 6 54.9	1.854	2.825	4.7	22.1
3 2	10 57.11	+ 7 57.5	1.844	2.834	0.5	21.8
3 12	10 47.93	+ 8 58.4	1.863	2.843	4.1	22.1
3 22	10 39.65	+ 9 51.4	1.911	2.851	8.1	22.4
4 1	10 33.06	+10 32.2	1.986	2.859	11.7	22.6
4 11	10 28.69	+10 58.5	2.082	2.865	14.7	22.8

54844 2001 OY_2 3 3.1 193.°00 2.°9/28.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 15.77	+13 22.3	2.366	3.229	9.9	19.7
2 11	11 10.80	+14 32.3	2.297	3.228	6.9	19.5
2 21	11 4.32	+15 46.1	2.256	3.227	4.0	19.3
3 2	10 56.92	+16 57.3	2.244	3.225	3.0	19.2
3 12	10 49.41	+17 59.8	2.263	3.224	5.3	19.4
3 22	10 42.55	+18 48.8	2.309	3.222	8.4	19.5
4 1	10 37.01	+19 21.6	2.381	3.220	11.3	19.7
4 11	10 33.29	+19 37.6	2.474	3.217	13.7	19.9

204283 2004 LY_8 3 3.1 185.°56 1.°4/ 4.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 21.83	+ 0 27.5	2.013	2.840	12.8	20.9
2 11	11 15.30	+ 0 51.2	1.932	2.841	9.4	20.7
2 21	11 6.84	+ 1 29.0	1.877	2.840	5.5	20.5
3 2	10 57.18	+ 2 17.3	1.850	2.839	1.8	20.2
3 12	10 47.33	+ 3 10.5	1.854	2.837	3.6	20.3
3 22	10 38.27	+ 4 2.6	1.887	2.834	7.7	20.6
4 1	10 30.88	+ 4 48.1	1.946	2.830	11.4	20.8
4 11	10 25.73	+ 5 23.0	2.028	2.825	14.6	21.0

365182 2009 FY_{19} 3 3.1 271.°14 3.°1/29.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 19.20	+11 23.9	1.574	2.444	13.5	20.6
2 11	11 13.94	+12 28.9	1.499	2.433	9.5	20.3
2 21	11 6.31	+13 42.4	1.449	2.422	5.3	20.1
3 2	10 57.14	+14 55.8	1.425	2.411	3.2	19.9
3 12	10 47.68	+15 59.7	1.430	2.400	6.7	20.1
3 22	10 39.15	+16 46.7	1.460	2.388	11.1	20.3
4 1	10 32.66	+17 12.6	1.513	2.377	15.2	20.5
4 11	10 28.88	+17 16.7	1.585	2.365	18.7	20.7

293158 2006 YQ_{15} 3 3.1 70.°33 6.°3/25.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 18.40	+19 58.2	1.662	2.540	12.5	20.0
2 11	11 13.18	+21 38.0	1.611	2.543	9.2	19.8
2 21	11 5.78	+23 16.0	1.585	2.546	6.7	19.6
3 2	10 57.08	+24 41.3	1.586	2.549	6.7	19.6
3 12	10 48.29	+25 45.1	1.614	2.552	9.3	19.8
3 22	10 40.56	+26 22.5	1.667	2.555	12.6	20.0
4 1	10 34.83	+26 32.6	1.741	2.558	15.7	20.2
4 11	10 31.68	+26 17.7	1.833	2.561	18.3	20.4

96437 1998 FR_{77} 3 3.1 47.°57 3.°3/29.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 19.97	+11 2.2	1.220	2.101	15.9	18.1
2 11	11 14.55	+12 5.4	1.179	2.118	11.0	17.9
2 21	11 6.55	+13 15.8	1.161	2.136	6.0	17.6
3 2	10 57.15	+14 23.2	1.167	2.154	3.3	17.5
3 12	10 47.88	+15 17.2	1.200	2.173	7.1	17.8
3 22	10 40.11	+15 51.3	1.256	2.192	11.8	18.1
4 1	10 34.85	+16 2.9	1.334	2.212	16.0	18.4
4 11	10 32.59	+15 52.7	1.430	2.232	19.4	18.7

462384 2008 SG_{160} 3 3.1 226.°33 2.°1/29.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 19.63	+12 28.0	2.565	3.417	9.6	22.4
2 11	11 13.49	+13 7.7	2.478	3.404	6.7	22.2
2 21	11 5.78	+13 50.9	2.420	3.391	3.7	22.0
3 2	10 57.09	+14 32.7	2.391	3.376	2.2	21.9
3 12	10 48.21	+15 8.3	2.394	3.362	4.5	22.0
3 22	10 39.91	+15 34.0	2.425	3.346	7.7	22.2
4 1	10 32.89	+15 47.3	2.484	3.330	10.6	22.4
4 11	10 27.69	+15 47.5	2.565	3.313	13.1	22.5

20083 1994 GE 3 3.1 336.°24 5.°4/27.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 19.83	+16 50.7	1.400	2.281	14.2	18.0
2 11	11 14.53	+18 1.6	1.340	2.277	10.2	17.8
2 21	11 6.64	+19 14.2	1.304	2.273	6.5	17.6
3 2	10 57.18	+20 17.9	1.293	2.270	5.7	17.5
3 12	10 47.55	+21 3.0	1.308	2.266	8.8	17.7
3 22	10 39.12	+21 23.8	1.348	2.263	12.9	17.9
4 1	10 33.03	+21 18.7	1.408	2.261	16.8	18.1
4 11	10 29.91	+20 49.9	1.486	2.259	20.1	18.3

294344 2007 VY_{89} 3 3.1 8.°72 6.°6/25.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 16.72	+22 11.7	1.688	2.568	12.3	19.5
2 11	11 11.94	+23 24.9	1.639	2.570	9.2	19.3
2 21	11 5.08	+24 33.1	1.614	2.572	6.9	19.2
3 2	10 57.03	+25 27.3	1.616	2.576	6.9	19.2
3 12	10 48.94	+26 0.3	1.644	2.580	9.2	19.4
3 22	10 41.92	+26 8.7	1.695	2.585	12.3	19.5
4 1	10 36.85	+25 52.7	1.769	2.591	15.2	19.7
4 11	10 34.23	+25 14.8	1.860	2.598	17.8	19.9

269793 1999 TV_{332} 3 3.1 354.°97 0.°8/ 2.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 18.45	+ 7 22.4	1.825	2.683	12.6	20.7
2 11	11 13.02	+ 7 49.5	1.755	2.682	8.9	20.5
2 21	11 5.64	+ 8 25.5	1.709	2.682	4.7	20.2
3 2	10 57.09	+ 9 5.0	1.691	2.681	0.8	19.9
3 12	10 48.40	+ 9 42.0	1.701	2.681	4.4	20.2
3 22	10 40.57	+10 11.2	1.739	2.681	8.6	20.4
4 1	10 34.49	+10 28.8	1.801	2.681	12.4	20.7
4 11	10 30.71	+10 32.9	1.885	2.681	15.6	20.9

95138 2002 AD_{160} 3 3.1 274.°43 0.°4/ 3.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 17.25	+ 3 13.6	1.856	2.704	12.9	19.9
2 11	11 12.18	+ 3 48.4	1.780	2.702	9.3	19.6
2 21	11 5.21	+ 4 36.3	1.730	2.699	5.1	19.4
3 2	10 57.06	+ 5 32.6	1.706	2.697	0.8	19.0
3 12	10 48.73	+ 6 30.6	1.712	2.695	3.9	19.3
3 22	10 41.21	+ 7 23.9	1.745	2.692	8.2	19.5
4 1	10 35.35	+ 8 7.1	1.803	2.690	12.0	19.8
4 11	10 31.72	+ 8 36.8	1.883	2.688	15.3	20.0

146908 2002 CX_{148} 3 3.1 251.°35 1.°3/ 4.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 15.75	+ 0 47.5	2.530	3.358	10.5	20.3
2 11	11 10.73	+ 1 1.4	2.444	3.353	7.7	20.1
2 21	11 4.28	+ 1 26.0	2.385	3.348	4.6	19.9
3 2	10 56.97	+ 1 58.6	2.354	3.342	1.6	19.7
3 12	10 49.50	+ 2 35.4	2.353	3.336	2.9	19.8
3 22	10 42.59	+ 3 12.3	2.382	3.331	6.2	20.0
4 1	10 36.88	+ 3 45.1	2.437	3.325	9.3	20.2
4 11	10 32.83	+ 4 10.8	2.517	3.319	11.9	20.3

119521 2001 UU_{161} 3 3.1 213.°87 1.°1/ 1.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 18.69	+ 7 41.7	2.195	3.045	11.0	19.9
2 11	11 13.00	+ 8 27.9	2.114	3.039	7.8	19.7
2 21	11 5.59	+ 9 22.3	2.059	3.031	4.1	19.4
3 2	10 57.10	+10 19.8	2.033	3.023	1.1	19.2
3 12	10 48.42	+11 14.4	2.038	3.015	4.2	19.4
3 22	10 40.41	+12 0.7	2.072	3.006	7.9	19.6
4 1	10 33.86	+12 34.8	2.131	2.996	11.3	19.8
4 11	10 29.31	+12 54.8	2.213	2.986	14.2	20.0

175464 2006 QS_{111} 3 3.1 227.°74 2.°3/ 5.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 17.04	− 2 9.4	2.441	3.257	11.2	20.4
2 11	11 11.69	− 2 5.8	2.354	3.252	8.5	20.2
2 21	11 4.83	− 1 49.5	2.292	3.247	5.4	20.0
3 2	10 57.03	− 1 22.5	2.258	3.241	2.6	19.8
3 12	10 49.06	− 0 48.4	2.254	3.236	3.3	19.8
3 22	10 41.66	− 0 11.3	2.280	3.230	6.4	20.0
4 1	10 35.53	+ 0 24.2	2.333	3.224	9.5	20.2
4 11	10 31.16	+ 0 54.2	2.409	3.218	12.2	20.4

283587 2001 XH_{228} 3 3.1 105.°65 6.°0/10.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 16.67	−16 51.0	2.702	3.431	12.5	21.0
2 11	11 11.26	−17 3.6	2.629	3.450	10.4	20.9
2 21	11 4.52	−16 56.7	2.579	3.468	8.3	20.7
3 2	10 57.00	−16 30.2	2.555	3.485	6.6	20.6
3 12	10 49.42	−15 46.7	2.559	3.503	6.0	20.6
3 22	10 42.46	−14 50.4	2.591	3.520	6.9	20.7
4 1	10 36.72	−13 46.7	2.651	3.536	8.7	20.9
4 11	10 32.62	−12 41.4	2.735	3.553	10.7	21.0

201603 2003 SC_{190} 3 3.1 157.°48 6.°2/24.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 21.42	+26 48.5	2.408	3.264	10.0	20.2
2 11	11 14.77	+27 51.1	2.358	3.269	7.8	20.1
2 21	11 6.45	+28 45.8	2.335	3.275	6.4	20.0
3 2	10 57.19	+29 26.1	2.341	3.280	6.6	20.0
3 12	10 47.94	+29 47.3	2.375	3.284	8.2	20.1
3 22	10 39.56	+29 47.6	2.435	3.288	10.4	20.3
4 1	10 32.80	+29 27.7	2.519	3.292	12.6	20.4
4 11	10 28.11	+28 50.2	2.621	3.295	14.5	20.6

176846 2002 TV_{227} 3 3.1 129.°70 1.°7/ 1.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 20.03	+ 8 59.9	1.962	2.818	11.9	20.7
2 11	11 13.95	+ 9 54.4	1.904	2.831	8.3	20.5
2 21	11 6.06	+10 55.9	1.871	2.844	4.4	20.3
3 2	10 57.15	+11 58.0	1.867	2.856	1.7	20.1
3 12	10 48.22	+12 54.0	1.893	2.867	4.8	20.4
3 22	10 40.20	+13 38.5	1.947	2.878	8.6	20.6
4 1	10 33.89	+14 8.1	2.026	2.889	12.0	20.9
4 11	10 29.76	+14 21.9	2.127	2.899	14.8	21.1

430051 2013 RR_{93} 3 3.1 124.°49 0.°4/ 2.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 18.85	+ 6 3.3	2.115	2.962	11.5	22.0
2 11	11 13.04	+ 6 33.2	2.049	2.971	8.1	21.8
2 21	11 5.55	+ 7 11.6	2.009	2.980	4.3	21.6
3 2	10 57.11	+ 7 53.9	1.998	2.989	0.5	21.3
3 12	10 48.61	+ 8 34.8	2.016	2.997	3.7	21.6
3 22	10 40.92	+ 9 9.6	2.064	3.005	7.5	21.8
4 1	10 34.77	+ 9 34.6	2.137	3.013	10.9	22.0
4 11	10 30.64	+ 9 47.7	2.233	3.020	13.7	22.2

297920 2002 DJ_{20} 3 3.1 72.°07 0.°0/ 3.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 19.15	+ 3 35.2	1.420	2.279	15.4	20.6
2 11	11 13.87	+ 4 21.7	1.361	2.288	11.0	20.4
2 21	11 6.22	+ 5 24.3	1.325	2.296	6.0	20.1
3 2	10 57.19	+ 6 36.0	1.314	2.305	0.6	19.7
3 12	10 48.06	+ 7 47.4	1.331	2.314	4.8	20.1
3 22	10 40.10	+ 8 50.0	1.374	2.323	9.8	20.4
4 1	10 34.32	+ 9 37.3	1.440	2.331	14.2	20.6
4 11	10 31.30	+10 6.1	1.526	2.340	17.8	20.9

53116 1999 AE_{17} 3 3.1 322.°63 0.°8/ 2.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 17.36	+ 5 49.6	1.665	2.525	13.5	19.1
2 11	11 12.44	+ 6 39.2	1.594	2.522	9.5	18.8
2 21	11 5.43	+ 7 41.4	1.547	2.520	5.1	18.6
3 2	10 57.11	+ 8 49.7	1.527	2.518	0.8	18.3
3 12	10 48.61	+ 9 55.9	1.535	2.516	4.7	18.5
3 22	10 41.01	+10 52.7	1.570	2.514	9.3	18.8
4 1	10 35.26	+11 34.8	1.630	2.512	13.3	19.0
4 11	10 31.95	+11 59.3	1.709	2.510	16.7	19.3

243108 2007 RN_{111} 3 3.1 271.°25 0.°3/ 2.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 19.95	+ 4 33.1	1.605	2.460	14.2	21.4
2 11	11 14.60	+ 5 15.7	1.512	2.437	10.3	21.1
2 21	11 6.79	+ 6 13.9	1.443	2.415	5.6	20.8
3 2	10 57.28	+ 7 22.1	1.401	2.392	0.5	20.3
3 12	10 47.24	+ 8 32.1	1.387	2.368	4.9	20.6
3 22	10 37.95	+ 9 35.2	1.399	2.344	10.0	20.8
4 1	10 30.59	+10 24.7	1.436	2.320	14.7	21.0
4 11	10 25.98	+10 56.2	1.492	2.295	18.6	21.2

203739 2002 QZ_{94} 3 3.1 133.°94 3.°0/28.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 17.43	+14 5.0	2.220	3.084	10.4	20.7
2 11	11 12.02	+15 3.3	2.159	3.090	7.3	20.6
2 21	11 5.01	+16 4.1	2.125	3.095	4.2	20.4
3 2	10 57.08	+17 1.1	2.119	3.100	3.1	20.3
3 12	10 49.08	+17 48.5	2.143	3.105	5.5	20.5
3 22	10 41.84	+18 22.1	2.195	3.110	8.7	20.7
4 1	10 36.08	+18 39.8	2.272	3.115	11.6	20.9
4 11	10 32.25	+18 41.2	2.370	3.119	14.1	21.0

461428 2001 VZ_5 3 3.1 166.°11 0.°4/ 3.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 18.46	+ 2 49.7	2.394	3.227	10.9	22.2
2 11	11 12.66	+ 3 30.2	2.319	3.233	7.8	22.0
2 21	11 5.33	+ 4 21.3	2.271	3.238	4.3	21.8
3 2	10 57.12	+ 5 19.0	2.252	3.243	0.7	21.5
3 12	10 48.79	+ 6 17.7	2.264	3.246	3.2	21.7
3 22	10 41.14	+ 7 12.5	2.306	3.249	6.7	22.0
4 1	10 34.83	+ 7 59.1	2.376	3.252	9.9	22.2
4 11	10 30.34	+ 8 34.4	2.469	3.254	12.6	22.4

45695 2000 ET_{150} 3 3.1 147.°08 0.°1/ 2.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 16.58	+ 4 47.6	2.372	3.215	10.6	19.6
2 11	11 11.33	+ 5 27.1	2.301	3.221	7.5	19.4
2 21	11 4.62	+ 6 15.7	2.256	3.227	4.0	19.2
3 2	10 57.04	+ 7 9.1	2.241	3.232	0.4	18.9
3 12	10 49.38	+ 8 2.0	2.256	3.237	3.3	19.1
3 22	10 42.39	+ 8 49.7	2.300	3.242	6.8	19.4
4 1	10 36.71	+ 9 28.2	2.371	3.246	10.0	19.6
4 11	10 32.81	+ 9 55.1	2.465	3.250	12.6	19.8

74269 1998 SQ_{109} 3 3.1 74.°55 3.°7/ 6.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 19.75	− 5 1.3	1.610	2.432	15.8	18.4
2 11	11 13.99	− 4 49.2	1.555	2.453	12.0	18.2
2 21	11 6.17	− 4 15.7	1.521	2.474	7.8	18.0
3 2	10 57.20	− 3 24.2	1.514	2.495	4.2	17.9
3 12	10 48.24	− 2 21.2	1.534	2.516	4.6	17.9
3 22	10 40.39	− 1 14.8	1.582	2.536	8.2	18.2
4 1	10 34.52	− 0 12.5	1.655	2.557	12.0	18.5
4 11	10 31.14	+ 0 39.7	1.749	2.577	15.3	18.7

32219 2000 OU_{20} 3 3.1 276.°65 3.°4/29.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 23.26	+15 19.7	1.854	2.716	12.2	17.0
2 11	11 16.60	+15 44.9	1.771	2.700	8.7	16.8
2 21	11 7.70	+16 11.2	1.714	2.684	5.1	16.5
3 2	10 57.37	+16 32.3	1.685	2.668	3.5	16.4
3 12	10 46.76	+16 42.3	1.685	2.651	6.3	16.5
3 22	10 37.02	+16 37.4	1.712	2.635	10.2	16.7
4 1	10 29.18	+16 16.4	1.764	2.618	13.9	16.9
4 11	10 23.89	+15 39.8	1.836	2.601	17.0	17.1

303706 2005 OZ_{30} 3 3.1 231.°16 2.°5/ 6.0 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 16.30	− 3 39.2	2.748	3.553	10.4	21.7
2 11	11 11.08	− 3 34.0	2.653	3.544	7.9	21.5
2 21	11 4.49	− 3 16.4	2.584	3.534	5.2	21.3
3 2	10 57.05	− 2 48.0	2.543	3.523	2.8	21.2
3 12	10 49.41	− 2 12.0	2.533	3.513	3.2	21.2
3 22	10 42.26	− 1 32.3	2.553	3.502	5.8	21.3
4 1	10 36.21	− 0 52.9	2.601	3.491	8.6	21.5
4 11	10 31.72	− 0 17.7	2.673	3.479	11.2	21.6

237971 2002 RY_{207} 3 3.1 105.°36 1.°4/ 1.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 18.73	+ 9 47.2	2.341	3.193	10.4	20.8
2 11	11 12.78	+10 23.2	2.284	3.210	7.2	20.7
2 21	11 5.35	+11 3.8	2.255	3.227	3.8	20.5
3 2	10 57.13	+11 44.4	2.256	3.244	1.4	20.3
3 12	10 48.92	+12 20.0	2.286	3.261	4.1	20.5
3 22	10 41.50	+12 46.9	2.346	3.277	7.3	20.8
4 1	10 35.50	+13 2.8	2.432	3.293	10.3	21.0
4 11	10 31.36	+13 6.6	2.540	3.308	12.7	21.2

229150 2004 ST_{31} 3 3.1 133.°42 0.°5/ 3.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 18.76	+ 3 26.7	2.106	2.947	11.8	21.4
2 11	11 13.00	+ 3 53.0	2.038	2.955	8.5	21.2
2 21	11 5.57	+ 4 30.1	1.994	2.963	4.7	21.0
3 2	10 57.16	+ 5 13.7	1.980	2.970	0.8	20.7
3 12	10 48.66	+ 5 58.5	1.995	2.977	3.5	20.9
3 22	10 40.96	+ 6 39.5	2.039	2.984	7.3	21.2
4 1	10 34.78	+ 7 12.4	2.109	2.991	10.7	21.4
4 11	10 30.63	+ 7 34.4	2.202	2.997	13.6	21.6

447348 2005 YU_{188} 3 3.1 59.°92 0.°9/ 3.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 22.58	+ 2 45.5	1.205	2.066	17.5	21.4
2 11	11 16.39	+ 3 7.1	1.162	2.088	12.5	21.2
2 21	11 7.58	+ 3 46.0	1.140	2.111	7.0	20.9
3 2	10 57.35	+ 4 35.6	1.143	2.134	1.4	20.6
3 12	10 47.28	+ 5 26.9	1.172	2.157	4.9	20.9
3 22	10 38.78	+ 6 11.5	1.227	2.180	10.2	21.3
4 1	10 32.87	+ 6 43.4	1.304	2.203	14.8	21.6
4 11	10 30.06	+ 6 59.6	1.400	2.226	18.5	21.9

401394 2013 CP_{43} 3 3.1 207.°28 2.°9/29.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 21.96	+11 24.9	1.526	2.394	14.0	21.4
2 11	11 15.89	+12 16.8	1.460	2.392	9.9	21.2
2 21	11 7.38	+13 15.7	1.417	2.390	5.4	20.9
3 2	10 57.35	+14 13.5	1.401	2.388	3.0	20.7
3 12	10 47.13	+15 1.4	1.413	2.385	6.4	20.9
3 22	10 38.01	+15 33.3	1.451	2.382	11.0	21.2
4 1	10 31.08	+15 45.7	1.512	2.379	15.1	21.4
4 11	10 26.98	+15 38.6	1.592	2.375	18.5	21.6

232374 2003 AA_{87} 3 3.1 62.°08 4.°9/ 6.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 19.59	− 6 32.7	1.272	2.103	18.6	20.0
2 11	11 14.39	− 6 27.8	1.213	2.114	14.4	19.8
2 21	11 6.61	− 5 54.8	1.175	2.126	9.7	19.5
3 2	10 57.27	− 4 56.5	1.160	2.139	5.6	19.3
3 12	10 47.83	− 3 40.8	1.170	2.151	5.7	19.4
3 22	10 39.67	− 2 18.3	1.206	2.164	9.7	19.6
4 1	10 33.93	− 0 59.9	1.265	2.176	14.2	19.9
4 11	10 31.19	+ 0 6.0	1.343	2.189	18.0	20.2

54764 2001 LB_4 3 3.1 176.°53 2.°3/29.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 21.82	+ 9 51.5	1.847	2.704	12.5	19.6
2 11	11 15.44	+10 58.7	1.779	2.707	8.7	19.4
2 21	11 7.00	+12 13.8	1.737	2.709	4.7	19.2
3 2	10 57.32	+13 29.2	1.724	2.711	2.3	19.0
3 12	10 47.48	+14 36.9	1.740	2.711	5.5	19.2
3 22	10 38.57	+15 30.4	1.785	2.711	9.6	19.5
4 1	10 31.50	+16 6.0	1.854	2.710	13.2	19.7
4 11	10 26.84	+16 22.7	1.944	2.708	16.3	19.9

465762 2009 WA_{120} 3 3.1 112.°64 8.°4/23.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 21.43	+29 18.1	1.906	2.768	11.9	20.7
2 11	11 15.21	+30 41.5	1.861	2.771	9.7	20.6
2 21	11 6.86	+31 53.8	1.842	2.773	8.4	20.5
3 2	10 57.30	+32 45.7	1.848	2.775	8.9	20.6
3 12	10 47.72	+33 11.1	1.881	2.778	10.7	20.7
3 22	10 39.26	+33 8.4	1.937	2.780	13.2	20.8
4 1	10 32.82	+32 39.1	2.015	2.782	15.5	21.0
4 11	10 28.92	+31 47.5	2.109	2.785	17.6	21.2

199943 2007 GO_{67} 3 3.1 207.°75 0.°2/ 3.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 17.79	+ 3 49.1	2.520	3.355	10.3	21.8
2 11	11 12.20	+ 4 20.5	2.434	3.349	7.4	21.6
2 21	11 5.13	+ 5 1.4	2.374	3.343	4.1	21.4
3 2	10 57.13	+ 5 48.0	2.345	3.336	0.6	21.1
3 12	10 48.97	+ 6 35.8	2.346	3.328	3.1	21.3
3 22	10 41.37	+ 7 20.1	2.377	3.320	6.6	21.5
4 1	10 35.02	+ 7 57.2	2.435	3.311	9.7	21.7
4 11	10 30.40	+ 8 24.2	2.517	3.301	12.4	21.8

466564 2014 TA_{27} 3 3.1 43.°90 6.°1/ 9.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 14.87	−13 15.7	1.570	2.362	17.5	21.0
2 11	11 10.77	−12 43.4	1.498	2.369	14.2	20.8
2 21	11 4.56	−11 38.8	1.447	2.376	10.4	20.5
3 2	10 57.08	−10 4.1	1.419	2.384	7.1	20.4
3 12	10 49.44	− 8 6.9	1.418	2.392	6.2	20.3
3 22	10 42.77	− 5 58.3	1.444	2.400	8.7	20.5
4 1	10 37.98	− 3 50.6	1.496	2.408	12.3	20.7
4 11	10 35.68	− 1 54.4	1.570	2.417	15.8	21.0

251413 2008 AA_{30} 3 3.1 159.°73 1.°4/ 1.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 20.77	+ 8 36.8	2.113	2.963	11.4	21.3
2 11	11 14.44	+ 9 25.2	2.046	2.971	8.0	21.1
2 21	11 6.36	+10 20.7	2.006	2.978	4.2	20.9
3 2	10 57.26	+11 17.5	1.995	2.984	1.4	20.7
3 12	10 48.07	+12 9.5	2.014	2.990	4.4	20.9
3 22	10 39.71	+12 51.6	2.063	2.994	8.2	21.1
4 1	10 32.95	+13 20.5	2.137	2.998	11.5	21.3
4 11	10 28.30	+13 34.8	2.233	3.002	14.3	21.5

187453 2005 WP_{191} 3 3.1 193.°45 3.°2/28.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 17.51	+13 18.2	2.243	3.105	10.4	20.7
2 11	11 12.17	+14 43.9	2.173	3.104	7.3	20.5
2 21	11 5.17	+16 14.1	2.131	3.101	4.3	20.3
3 2	10 57.15	+17 41.7	2.119	3.098	3.4	20.2
3 12	10 48.96	+18 59.2	2.136	3.095	5.8	20.4
3 22	10 41.46	+20 1.2	2.183	3.091	9.0	20.6
4 1	10 35.39	+20 44.6	2.254	3.086	12.0	20.7
4 11	10 31.28	+21 8.7	2.346	3.081	14.5	20.9

53166 1999 CG_{10} 3 3.1 304.°62 3.°8/28.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 20.20	+14 51.1	1.658	2.529	12.9	18.0
2 11	11 14.55	+15 38.1	1.588	2.521	9.2	17.7
2 21	11 6.64	+16 28.0	1.542	2.513	5.4	17.5
3 2	10 57.32	+17 12.9	1.523	2.505	4.0	17.4
3 12	10 47.78	+17 45.4	1.532	2.498	6.9	17.5
3 22	10 39.24	+18 0.5	1.567	2.490	10.9	17.7
4 1	10 32.69	+17 56.1	1.625	2.483	14.7	18.0
4 11	10 28.77	+17 32.9	1.703	2.476	17.9	18.2

105069 2000 KQ_{66} 3 3.1 248.°22 4.°4/ 8.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 15.58	−11 52.5	1.994	2.776	14.6	19.7
2 11	11 11.06	−10 50.7	1.896	2.765	11.7	19.5
2 21	11 4.69	− 9 20.1	1.820	2.754	8.3	19.3
3 2	10 57.12	− 7 23.6	1.772	2.742	5.2	19.1
3 12	10 49.27	− 5 7.9	1.753	2.731	4.7	19.0
3 22	10 42.08	− 2 43.3	1.765	2.718	7.5	19.1
4 1	10 36.39	− 0 20.7	1.804	2.706	11.2	19.3
4 11	10 32.82	+ 1 50.0	1.869	2.693	14.6	19.5

461750 2005 UB_{172} 3 3.1 223.°89 5.°5/ 9.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 17.46	−13 8.7	2.274	3.037	13.6	22.3
2 11	11 12.22	−13 3.9	2.177	3.028	11.2	22.1
2 21	11 5.26	−12 37.1	2.101	3.017	8.5	21.9
3 2	10 57.18	−11 48.6	2.053	3.007	6.2	21.7
3 12	10 48.83	−10 41.5	2.032	2.995	5.6	21.7
3 22	10 41.05	− 9 21.7	2.040	2.984	7.4	21.8
4 1	10 34.64	− 7 56.2	2.075	2.971	10.2	21.9
4 11	10 30.19	− 6 32.6	2.135	2.958	13.0	22.1

331786 2003 HK_{30} 3 3.1 349.°94 7.°6/10.1 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 15.22	−14 26.0	1.615	2.398	17.5	19.8
2 11	11 11.11	−14 41.3	1.535	2.394	14.5	19.5
2 21	11 4.83	−14 27.1	1.474	2.391	11.3	19.3
3 2	10 57.14	−13 42.6	1.437	2.389	8.5	19.2
3 12	10 49.16	−12 31.6	1.424	2.386	7.7	19.1
3 22	10 42.03	−11 1.9	1.437	2.385	9.5	19.2
4 1	10 36.76	− 9 23.9	1.474	2.384	12.6	19.4
4 11	10 34.03	− 7 48.2	1.532	2.383	15.9	19.6

149715 2004 JT_{15} 3 3.1 240.°45 1.°6/ 1.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 18.72	+ 8 50.5	2.066	2.922	11.4	20.8
2 11	11 13.20	+ 9 42.5	1.982	2.909	8.0	20.6
2 21	11 5.82	+10 43.0	1.923	2.896	4.3	20.3
3 2	10 57.25	+11 46.0	1.893	2.882	1.6	20.1
3 12	10 48.40	+12 44.8	1.893	2.868	4.7	20.3
3 22	10 40.24	+13 33.5	1.921	2.853	8.6	20.5
4 1	10 33.60	+14 8.1	1.975	2.838	12.2	20.7
4 11	10 29.10	+14 26.6	2.049	2.822	15.3	20.9

111049 2001 VC_{37} 3 3.1 171.°80 5.°7/25.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 20.94	+23 34.8	2.319	3.179	10.1	19.8
2 11	11 14.55	+24 50.7	2.264	3.183	7.7	19.6
2 21	11 6.43	+26 1.6	2.237	3.186	5.9	19.5
3 2	10 57.31	+27 0.2	2.239	3.189	6.1	19.5
3 12	10 48.12	+27 40.7	2.269	3.191	7.9	19.7
3 22	10 39.76	+28 0.4	2.326	3.192	10.4	19.8
4 1	10 33.00	+27 59.0	2.407	3.193	12.8	20.0
4 11	10 28.32	+27 38.6	2.507	3.193	14.8	20.1

310024 2009 TA 3 3.1 83.°38 2.°3/ 1.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 27.10	+13 10.8	2.135	2.983	11.4	20.4
2 11	11 18.55	+13 32.8	2.099	3.021	8.0	20.3
2 21	11 8.39	+13 55.7	2.089	3.059	4.3	20.1
3 2	10 57.49	+14 14.6	2.111	3.097	2.3	20.0
3 12	10 46.88	+14 25.4	2.164	3.133	4.8	20.3
3 22	10 37.45	+14 25.8	2.246	3.169	8.1	20.5
4 1	10 29.88	+14 14.9	2.355	3.204	11.0	20.8
4 11	10 24.55	+13 53.2	2.486	3.238	13.4	21.0

416637 2004 SA_{16} 3 3.1 214.°73 5.°8/26.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 22.89	+23 4.4	2.088	2.949	11.1	20.6
2 11	11 16.09	+23 56.1	2.024	2.945	8.3	20.5
2 21	11 7.32	+24 42.5	1.987	2.940	6.2	20.3
3 2	10 57.40	+25 16.4	1.977	2.935	6.0	20.3
3 12	10 47.39	+25 32.1	1.996	2.930	8.0	20.4
3 22	10 38.32	+25 27.2	2.042	2.925	10.9	20.6
4 1	10 31.05	+25 1.8	2.111	2.919	13.6	20.7
4 11	10 26.12	+24 18.4	2.200	2.912	16.0	20.9

480210 2015 GU_{12} 3 3.1 104.°53 1.°0/ 2.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 19.39	− 1 58.9	1.067	1.926	19.4	20.5
2 11	11 14.60	+ 1 5.9	1.013	1.941	13.8	20.3
2 21	11 6.87	+ 4 47.8	0.983	1.956	7.2	19.9
3 2	10 57.36	+ 8 47.2	0.980	1.970	1.0	19.6
3 12	10 47.76	+12 37.7	1.005	1.984	6.9	20.0
3 22	10 39.66	+15 56.7	1.058	1.998	13.1	20.4
4 1	10 34.30	+18 31.4	1.133	2.011	18.2	20.7
4 11	10 32.30	+20 19.4	1.227	2.023	22.3	21.0

417296 2006 BH_{69} 3 3.1 171.°26 1.°5/ 1.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 19.29	+ 9 35.4	2.007	2.864	11.6	21.5
2 11	11 13.52	+10 9.8	1.937	2.865	8.2	21.3
2 21	11 5.93	+10 50.4	1.893	2.866	4.3	21.1
3 2	10 57.27	+11 31.9	1.877	2.866	1.6	20.9
3 12	10 48.48	+12 8.5	1.891	2.867	4.6	21.1
3 22	10 40.52	+12 35.5	1.933	2.867	8.4	21.3
4 1	10 34.19	+12 49.8	2.000	2.868	11.9	21.5
4 11	10 30.01	+12 50.4	2.088	2.868	14.8	21.7

192673 1999 RD_{222} 3 3.1 283.°34 6.°4/ 8.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 19.80	−11 0.3	1.966	2.746	14.9	19.9
2 11	11 14.25	−11 37.7	1.861	2.723	12.2	19.7
2 21	11 6.56	−11 54.9	1.778	2.701	9.3	19.4
3 2	10 57.36	−11 50.6	1.721	2.677	7.0	19.2
3 12	10 47.62	−11 25.9	1.691	2.654	6.6	19.2
3 22	10 38.43	−10 45.1	1.689	2.631	8.8	19.2
4 1	10 30.81	− 9 54.7	1.711	2.607	12.0	19.4
4 11	10 25.53	− 9 2.2	1.757	2.583	15.3	19.5

246911 1998 QY_{96} 3 3.1 54.°39 10.°9/ 9.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 38.34	−15 14.0	1.422	2.174	20.9	18.6
2 11	11 27.40	−17 29.9	1.382	2.215	17.4	18.4
2 21	11 13.51	−19 14.2	1.365	2.256	14.0	18.3
3 2	10 58.04	−20 20.7	1.373	2.297	11.5	18.3
3 12	10 42.77	−20 49.1	1.408	2.338	11.0	18.4
3 22	10 29.38	−20 45.3	1.469	2.379	12.4	18.6
4 1	10 19.06	−20 19.8	1.554	2.419	14.8	18.8
4 11	10 12.34	−19 44.0	1.659	2.459	17.2	19.1

289917 2005 NM_{21} 3 3.1 168.°73 2.°8/ 6.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 15.77	− 5 7.6	2.780	3.579	10.5	21.0
2 11	11 10.66	− 4 59.2	2.697	3.582	8.1	20.8
2 21	11 4.27	− 4 37.7	2.639	3.584	5.4	20.6
3 2	10 57.10	− 4 4.7	2.609	3.586	3.1	20.5
3 12	10 49.82	− 3 23.6	2.610	3.588	3.3	20.5
3 22	10 43.07	− 2 38.3	2.640	3.589	5.6	20.6
4 1	10 37.41	− 1 53.2	2.699	3.591	8.3	20.8
4 11	10 33.28	− 1 12.2	2.782	3.591	10.7	21.0

367534 2009 RM_7 3 3.1 157.°18 0.°4/ 3.5 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 20.75	+ 4 7.5	2.247	3.083	11.4	22.0
2 11	11 14.36	+ 4 25.8	2.175	3.090	8.1	21.8
2 21	11 6.32	+ 4 53.4	2.129	3.097	4.5	21.6
3 2	10 57.31	+ 5 26.5	2.112	3.103	0.7	21.3
3 12	10 48.22	+ 6 0.6	2.126	3.108	3.4	21.5
3 22	10 39.88	+ 6 31.3	2.169	3.113	7.1	21.8
4 1	10 33.04	+ 6 54.8	2.239	3.117	10.4	22.0
4 11	10 28.18	+ 7 8.8	2.332	3.121	13.2	22.2

209404 2004 EV_{93} 3 3.1 254.°28 0.°9/ 2.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 16.49	+ 7 41.8	2.475	3.324	10.0	20.7
2 11	11 11.37	+ 8 18.6	2.386	3.311	7.0	20.5
2 21	11 4.74	+ 9 2.5	2.325	3.297	3.7	20.3
3 2	10 57.16	+ 9 49.3	2.293	3.283	0.9	20.0
3 12	10 49.38	+10 34.2	2.291	3.269	3.7	20.2
3 22	10 42.14	+11 12.6	2.319	3.255	7.1	20.4
4 1	10 36.15	+11 41.1	2.373	3.240	10.3	20.6
4 11	10 31.89	+11 57.7	2.449	3.225	12.9	20.7

85161 1988 SA_2 3 3.1 225.°33 3.°7/28.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 22.17	+13 16.0	1.752	2.617	12.7	20.4
2 11	11 15.96	+14 29.3	1.675	2.606	9.0	20.1
2 21	11 7.45	+15 48.7	1.623	2.594	5.2	19.9
3 2	10 57.44	+17 5.5	1.600	2.582	3.8	19.7
3 12	10 47.11	+18 10.9	1.605	2.568	6.9	19.9
3 22	10 37.66	+18 58.1	1.638	2.554	11.0	20.1
4 1	10 30.14	+19 23.7	1.694	2.540	14.8	20.3
4 11	10 25.24	+19 27.6	1.770	2.524	18.0	20.5

306611 2000 PA_9 3 3.1 148.°92 6.°4/12.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 17.64	−22 48.0	3.473	4.139	11.0	21.5
2 11	11 11.84	−23 14.2	3.387	4.150	9.6	21.4
2 21	11 4.86	−23 22.9	3.324	4.161	8.1	21.3
3 2	10 57.18	−23 13.2	3.287	4.172	6.9	21.2
3 12	10 49.38	−22 46.2	3.277	4.182	6.4	21.2
3 22	10 42.04	−22 4.6	3.295	4.191	6.7	21.2
4 1	10 35.68	−21 12.4	3.341	4.200	7.8	21.3
4 11	10 30.72	−20 14.5	3.412	4.208	9.2	21.4

32775 1986 WP_2 3 3.1 44.°00 0.°2/ 3.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 18.65	+ 3 14.2	1.201	2.068	17.0	17.8
2 11	11 13.74	+ 3 57.8	1.152	2.083	12.2	17.5
2 21	11 6.26	+ 4 59.7	1.125	2.098	6.6	17.3
3 2	10 57.32	+ 6 11.6	1.123	2.114	0.8	16.9
3 12	10 48.39	+ 7 23.0	1.146	2.130	5.1	17.3
3 22	10 40.86	+ 8 24.3	1.194	2.147	10.4	17.6
4 1	10 35.78	+ 9 8.8	1.265	2.164	15.1	17.9
4 11	10 33.69	+ 9 33.5	1.354	2.182	18.9	18.2

274490 2008 SY_{115} 3 3.1 157.°10 4.°7/27.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 20.92	+20 55.9	2.347	3.207	10.0	20.7
2 11	11 14.46	+21 47.3	2.290	3.213	7.4	20.6
2 21	11 6.36	+22 35.3	2.260	3.218	5.2	20.4
3 2	10 57.33	+23 13.7	2.259	3.223	4.9	20.4
3 12	10 48.28	+23 37.5	2.287	3.227	6.8	20.5
3 22	10 40.06	+23 44.2	2.343	3.231	9.4	20.7
4 1	10 33.39	+23 33.6	2.423	3.234	12.0	20.9
4 11	10 28.74	+23 6.9	2.524	3.237	14.1	21.1

388837 2008 DN_{66} 3 3.1 215.°09 0.°6/ 3.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 18.45	+ 4 8.1	2.575	3.409	10.1	21.2
2 11	11 12.63	+ 4 11.3	2.492	3.406	7.3	21.0
2 21	11 5.37	+ 4 22.1	2.437	3.404	4.1	20.8
3 2	10 57.24	+ 4 37.8	2.410	3.401	0.8	20.5
3 12	10 48.97	+ 4 55.2	2.415	3.398	3.0	20.7
3 22	10 41.30	+ 5 10.9	2.449	3.394	6.3	20.9
4 1	10 34.87	+ 5 21.9	2.511	3.391	9.3	21.1
4 11	10 30.16	+ 5 26.1	2.596	3.387	11.9	21.2

414874 2010 VA_{185} 3 3.1 39.°44 3.°5/29.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 19.58	+12 54.7	1.415	2.292	14.3	20.7
2 11	11 14.16	+13 47.5	1.367	2.304	10.0	20.4
2 21	11 6.40	+14 44.6	1.343	2.316	5.6	20.2
3 2	10 57.34	+15 37.4	1.344	2.329	3.6	20.1
3 12	10 48.32	+16 17.4	1.372	2.342	6.9	20.3
3 22	10 40.58	+16 39.4	1.426	2.356	11.1	20.6
4 1	10 35.07	+16 41.2	1.501	2.371	15.0	20.9
4 11	10 32.32	+16 23.7	1.596	2.385	18.2	21.1

212040 2005 CH_{53} 3 3.1 340.°99 2.°9/29.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 18.04	+10 34.1	1.283	2.164	15.3	19.6
2 11	11 13.48	+11 26.9	1.218	2.157	10.8	19.3
2 21	11 6.26	+12 29.6	1.175	2.150	5.9	19.0
3 2	10 57.35	+13 33.0	1.157	2.144	3.0	18.8
3 12	10 48.17	+14 26.9	1.164	2.139	6.9	19.0
3 22	10 40.17	+15 3.3	1.195	2.135	11.9	19.3
4 1	10 34.53	+15 18.0	1.248	2.131	16.5	19.5
4 11	10 31.94	+15 10.3	1.319	2.128	20.3	19.8

167540 2004 AJ_4 3 3.1 200.°62 0.°5/ 3.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 17.29	+ 3 32.9	2.295	3.135	11.0	20.5
2 11	11 11.96	+ 3 55.5	2.217	3.133	7.9	20.3
2 21	11 5.07	+ 4 28.0	2.164	3.132	4.4	20.0
3 2	10 57.22	+ 5 6.8	2.140	3.130	0.8	19.8
3 12	10 49.23	+ 5 47.3	2.146	3.128	3.2	20.0
3 22	10 41.90	+ 6 24.7	2.180	3.126	6.9	20.2
4 1	10 35.92	+ 6 55.2	2.242	3.124	10.2	20.4
4 11	10 31.79	+ 7 15.9	2.326	3.122	13.0	20.6

148551 2001 QU_{155} 3 3.1 147.°14 2.°7/ 4.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 26.74	+ 0 30.2	1.832	2.656	14.1	19.6
2 11	11 18.98	− 0 9.1	1.755	2.658	10.5	19.4
2 21	11 8.99	− 0 36.9	1.703	2.661	6.5	19.2
3 2	10 57.63	− 0 54.1	1.679	2.663	3.1	19.0
3 12	10 46.07	− 1 3.2	1.685	2.666	4.3	19.0
3 22	10 35.48	− 1 7.5	1.720	2.668	8.2	19.3
4 1	10 26.86	− 1 11.1	1.782	2.670	12.1	19.5
4 11	10 20.83	− 1 17.6	1.866	2.672	15.3	19.7

370751 2004 RZ_{198} 3 3.1 147.°29 0.°6/ 3.8 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 19.80	+ 3 2.9	2.656	3.483	10.1	21.7
2 11	11 13.47	+ 3 22.2	2.585	3.496	7.3	21.5
2 21	11 5.77	+ 3 49.9	2.542	3.507	4.1	21.3
3 2	10 57.29	+ 4 23.0	2.528	3.518	0.9	21.1
3 12	10 48.76	+ 4 57.6	2.546	3.529	2.9	21.3
3 22	10 40.89	+ 5 30.0	2.595	3.538	6.1	21.5
4 1	10 34.27	+ 5 56.8	2.672	3.547	9.0	21.7
4 11	10 29.35	+ 6 15.6	2.772	3.556	11.4	21.9

38872 2000 SP_{116} 3 3.1 138.°42 0.°0/ 3.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 15.57	+ 4 46.0	2.766	3.605	9.4	19.7
2 11	11 10.49	+ 5 21.2	2.696	3.614	6.7	19.5
2 21	11 4.16	+ 6 4.1	2.653	3.622	3.6	19.4
3 2	10 57.13	+ 6 50.9	2.640	3.630	0.4	19.1
3 12	10 50.03	+ 7 37.4	2.657	3.638	2.9	19.3
3 22	10 43.50	+ 8 19.7	2.705	3.646	6.0	19.5
4 1	10 38.10	+ 8 54.6	2.780	3.653	8.7	19.7
4 11	10 34.21	+ 9 19.9	2.878	3.660	11.1	19.9

5944 Utesov 3 3.1 244.°82 4.°9/26.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 18.61	+20 43.4	2.243	3.109	10.2	16.9
2 11	11 12.98	+21 41.7	2.179	3.105	7.5	16.7
2 21	11 5.64	+22 37.3	2.141	3.100	5.3	16.5
3 2	10 57.28	+23 23.7	2.132	3.096	5.1	16.5
3 12	10 48.83	+23 55.1	2.151	3.091	7.1	16.6
3 22	10 41.14	+24 8.5	2.197	3.087	9.9	16.8
4 1	10 34.98	+24 3.0	2.267	3.082	12.6	17.0
4 11	10 30.87	+23 39.9	2.357	3.077	14.9	17.1

116675 2004 CH_{65} 3 3.1 282.°34 0.°0/ 3.0 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 17.38	+ 5 9.6	2.141	2.988	11.4	19.9
2 11	11 12.15	+ 5 32.1	2.061	2.982	8.2	19.7
2 21	11 5.22	+ 6 3.9	2.006	2.976	4.5	19.5
3 2	10 57.25	+ 6 41.2	1.979	2.970	0.5	19.1
3 12	10 49.09	+ 7 18.8	1.982	2.964	3.6	19.4
3 22	10 41.62	+ 7 52.0	2.013	2.958	7.4	19.6
4 1	10 35.60	+ 8 16.8	2.071	2.952	10.9	19.8
4 11	10 31.56	+ 8 30.6	2.150	2.946	13.9	20.0

2020	α_{2000}	δ_{2000}	Δ	r	β	V
53286	1999 FH_{57}		3	3.1	110.°70	0.°1/ 3.3 18
	h m	° ′			°	m
2 1	11 16.50	+ 1 37.5	1.855	2.699	13.0	18.3
2 11	11 11.63	+ 2 54.6	1.790	2.709	9.3	18.0
2 21	11 4.96	+ 4 27.8	1.750	2.719	5.1	17.8
3 2	10 57.22	+ 6 10.0	1.738	2.729	0.6	17.5
3 12	10 49.38	+ 7 52.4	1.756	2.738	3.9	17.8
3 22	10 42.40	+ 9 26.6	1.802	2.747	8.2	18.0
4 1	10 37.05	+10 45.8	1.875	2.756	11.9	18.3
4 11	10 33.86	+11 46.4	1.970	2.765	15.0	18.5
124639	2001 SR_{66}		3	3.1	147.°12	3.°9/29.1 18
2 1	11 24.47	+14 46.6	1.660	2.525	13.2	20.4
2 11	11 17.46	+15 39.5	1.603	2.533	9.4	20.2
2 21	11 8.16	+16 34.5	1.571	2.541	5.5	20.0
3 2	10 57.55	+17 23.3	1.566	2.548	4.0	19.9
3 12	10 46.91	+17 58.6	1.590	2.554	6.9	20.1
3 22	10 37.45	+18 15.8	1.641	2.560	10.8	20.3
4 1	10 30.15	+18 13.6	1.716	2.565	14.4	20.5
4 11	10 25.56	+17 53.1	1.810	2.570	17.4	20.8
34915	4564 P–L		3	3.1	24.°93	0.°2/ 3.3 18
2 1	11 15.37	+ 4 1.8	1.927	2.779	12.3	19.2
2 11	11 10.78	+ 4 33.9	1.862	2.785	8.8	19.0
2 21	11 4.47	+ 5 17.4	1.822	2.792	4.8	18.7
3 2	10 57.17	+ 6 7.4	1.809	2.800	0.6	18.4
3 12	10 49.79	+ 6 57.9	1.825	2.808	3.7	18.7
3 22	10 43.22	+ 7 43.3	1.868	2.816	7.7	19.0
4 1	10 38.20	+ 8 18.8	1.937	2.825	11.2	19.2
4 11	10 35.23	+ 8 41.7	2.028	2.834	14.3	19.4
348848	2006 SK_{59}		3	3.1	122.°07	3.°6/ 8.1 18
2 1	11 16.33	− 9 25.4	2.992	3.764	10.5	21.7
2 11	11 10.94	− 9 20.5	2.920	3.782	8.3	21.6
2 21	11 4.38	− 9 1.2	2.872	3.799	6.0	21.5
3 2	10 57.16	− 8 28.9	2.853	3.816	4.0	21.4
3 12	10 49.90	− 7 46.4	2.863	3.832	3.8	21.4
3 22	10 43.19	− 6 57.6	2.904	3.848	5.5	21.5
4 1	10 37.54	− 6 6.8	2.973	3.864	7.7	21.6
4 11	10 33.34	− 5 18.2	3.068	3.879	9.8	21.8
456579	2007 DK_{28}		3	3.1	307.°36	1.°6/ 1.6 17
2 1	11 16.30	+ 7 24.7	1.714	2.578	12.9	21.1
2 11	11 11.74	+ 8 29.0	1.639	2.571	9.1	20.8
2 21	11 5.14	+ 9 45.0	1.590	2.564	4.8	20.6
3 2	10 57.25	+11 5.5	1.568	2.557	1.6	20.3
3 12	10 49.13	+12 21.9	1.574	2.551	5.2	20.5
3 22	10 41.84	+13 26.3	1.606	2.544	9.6	20.8
4 1	10 36.31	+14 13.6	1.663	2.538	13.5	21.0
4 11	10 33.16	+14 41.2	1.741	2.532	16.8	21.2
498888	2008 YW_{132}		3	3.1	80.°02	1.°4/ 4.5 17
2 1	11 17.99	+ 1 12.5	2.153	2.987	11.9	21.3
2 11	11 12.50	+ 1 21.1	2.081	2.993	8.7	21.1
2 21	11 5.37	+ 1 41.2	2.035	2.999	5.1	20.9
3 2	10 57.28	+ 2 10.0	2.016	3.005	1.7	20.6
3 12	10 49.09	+ 2 43.0	2.027	3.011	3.3	20.8
3 22	10 41.64	+ 3 15.6	2.067	3.017	6.9	21.0
4 1	10 35.66	+ 3 43.5	2.133	3.023	10.3	21.2
4 11	10 31.64	+ 4 3.4	2.222	3.029	13.2	21.4
282044	1998 SF_{107}		3	3.1	137.°56	2.°0/ 5.1 18
2 1	11 21.33	− 2 29.0	1.863	2.684	14.0	21.8
2 11	11 15.01	− 1 43.4	1.797	2.700	10.4	21.6
2 21	11 6.77	− 0 39.5	1.756	2.716	6.3	21.4
3 2	10 57.42	+ 0 37.9	1.743	2.730	2.4	21.2
3 12	10 48.02	+ 2 1.4	1.760	2.743	3.7	21.3
3 22	10 39.56	+ 3 23.1	1.806	2.756	7.7	21.5
4 1	10 32.89	+ 4 36.0	1.879	2.767	11.5	21.8
4 11	10 28.53	+ 5 35.4	1.974	2.778	14.7	22.0
206925	2004 PR_{108}		3	3.1	140.°41	0.°6/ 2.6 18
2 1	11 24.86	+ 7 4.4	1.841	2.687	13.0	21.3
2 11	11 17.51	+ 7 28.5	1.779	2.701	9.2	21.1
2 21	11 8.11	+ 8 0.8	1.742	2.713	4.9	20.9
3 2	10 57.56	+ 8 36.3	1.734	2.725	0.7	20.6
3 12	10 46.98	+ 9 8.9	1.756	2.735	4.3	20.9
3 22	10 37.46	+ 9 34.0	1.806	2.746	8.6	21.2
4 1	10 29.88	+ 9 48.1	1.883	2.755	12.3	21.4
4 11	10 24.76	+ 9 49.7	1.980	2.763	15.4	21.6
416948	2005 SG_{164}		3	3.1	172.°17	4.°2/27.2 17
2 1	11 21.46	+19 58.4	2.555	3.412	9.5	21.9
2 11	11 14.77	+20 56.6	2.494	3.416	6.9	21.8
2 21	11 6.53	+21 52.4	2.461	3.420	4.7	21.6
3 2	10 57.40	+22 39.9	2.458	3.423	4.4	21.6
3 12	10 48.21	+23 14.2	2.485	3.426	6.3	21.7
3 22	10 39.76	+23 32.4	2.541	3.427	8.8	21.9
4 1	10 32.75	+23 33.7	2.621	3.428	11.3	22.1
4 11	10 27.63	+23 19.1	2.723	3.428	13.4	22.2

2020	α_{2000}	δ_{2000}	Δ	r	β	V
329826	2004 RQ_{224}		3	3.1	176.°70	0.°8/ 2.3 17
	h m	° ′			°	m
2 1	11 19.50	+ 7 37.1	2.139	2.989	11.3	20.8
2 11	11 13.61	+ 8 7.5	2.066	2.990	8.0	20.6
2 21	11 6.00	+ 8 45.2	2.019	2.991	4.2	20.4
3 2	10 57.36	+ 9 25.7	2.001	2.991	0.9	20.1
3 12	10 48.59	+10 3.5	2.013	2.992	4.0	20.4
3 22	10 40.59	+10 34.1	2.054	2.992	7.8	20.6
4 1	10 34.12	+10 54.1	2.120	2.991	11.2	20.8
4 11	10 29.68	+11 1.8	2.209	2.991	14.0	21.0
118681	2000 NJ_1		3	3.1	264.°12	2.°0/ 4.9 18
2 1	11 18.14	− 0 52.7	1.908	2.740	13.3	20.4
2 11	11 12.97	− 0 32.5	1.817	2.725	9.9	20.1
2 21	11 5.82	+ 0 4.0	1.749	2.711	6.1	19.9
3 2	10 57.36	+ 0 53.8	1.709	2.696	2.4	19.6
3 12	10 48.55	+ 1 51.4	1.697	2.680	3.8	19.6
3 22	10 40.42	+ 2 50.2	1.713	2.665	7.9	19.9
4 1	10 33.89	+ 3 43.8	1.755	2.649	11.9	20.1
4 11	10 29.61	+ 4 26.9	1.819	2.634	15.3	20.2
106051	2000 SJ_{312}		3	3.1	194.°48	4.°9/ 8.9 18
2 1	11 17.46	−12 8.0	2.792	3.549	11.5	19.8
2 11	11 11.95	−12 28.5	2.701	3.547	9.4	19.6
2 21	11 5.05	−12 33.0	2.633	3.545	7.2	19.5
3 2	10 57.29	−12 21.4	2.593	3.543	5.4	19.4
3 12	10 49.33	−11 55.7	2.583	3.540	5.0	19.3
3 22	10 41.88	−11 19.2	2.601	3.537	6.4	19.4
4 1	10 35.55	−10 36.4	2.646	3.534	8.6	19.5
4 11	10 30.82	− 9 52.3	2.717	3.531	10.8	19.7
370715	2004 RE_4		3	3.1	140.°63	2.°7/28.9 18
2 1	11 18.27	+12 48.7	2.395	3.253	10.0	21.6
2 11	11 12.56	+13 58.5	2.337	3.266	6.9	21.4
2 21	11 5.36	+15 11.6	2.307	3.278	3.9	21.3
3 2	10 57.31	+16 21.7	2.307	3.289	2.8	21.2
3 12	10 49.22	+17 22.9	2.337	3.300	5.1	21.4
3 22	10 41.85	+18 10.8	2.396	3.310	8.1	21.6
4 1	10 35.87	+18 43.0	2.481	3.320	10.9	21.8
4 11	10 31.71	+18 59.0	2.588	3.329	13.2	21.9
328471	2009 CZ_{57}		3	3.1	165.°87	3.°0/ 6.1 18
2 1	11 18.67	− 8 47.1	1.288	2.110	19.0	20.3
2 11	11 13.94	− 6 54.1	1.213	2.113	14.5	20.1
2 21	11 6.55	− 4 20.0	1.160	2.116	9.2	19.8
3 2	10 57.46	− 1 13.0	1.133	2.119	4.0	19.5
3 12	10 48.08	+ 2 10.0	1.135	2.120	4.8	19.5
3 22	10 39.86	+ 5 28.9	1.166	2.122	10.3	19.8
4 1	10 33.98	+ 8 26.0	1.222	2.122	15.5	20.1
4 11	10 31.17	+10 50.4	1.299	2.123	19.8	20.4
128273	2003 UC_{52}		3	3.1	186.°56	1.°3/ 4.4 18
2 1	11 22.21	+ 1 8.5	2.162	2.987	12.1	20.9
2 11	11 15.56	+ 1 23.0	2.080	2.987	8.9	20.7
2 21	11 7.09	+ 1 49.7	2.024	2.987	5.2	20.4
3 2	10 57.51	+ 2 25.3	1.996	2.985	1.7	20.2
3 12	10 47.74	+ 3 5.2	2.000	2.983	3.4	20.3
3 22	10 38.70	+ 3 44.4	2.033	2.979	7.3	20.5
4 1	10 31.22	+ 4 18.2	2.093	2.975	10.8	20.7
4 11	10 25.85	+ 4 43.1	2.176	2.970	13.8	20.9
124848	2001 TZ_{15}		3	3.1	46.°39	7.°6/26.6 18
2 1	11 22.84	+21 10.5	1.256	2.139	15.3	19.3
2 11	11 16.86	+22 32.6	1.212	2.146	11.4	19.1
2 21	11 8.05	+23 49.6	1.191	2.153	8.2	18.9
3 2	10 57.61	+24 48.9	1.195	2.160	8.0	18.9
3 12	10 47.20	+25 20.7	1.223	2.168	10.8	19.1
3 22	10 38.36	+25 21.6	1.274	2.175	14.6	19.3
4 1	10 32.23	+24 53.1	1.345	2.184	18.2	19.6
4 11	10 29.35	+23 59.8	1.432	2.192	21.3	19.8
186608	2003 CK_{18}		3	3.2	158.°41	2.°0/ 5.3 18
2 1	11 18.64	− 1 10.0	2.678	3.491	10.4	20.3
2 11	11 12.73	− 1 13.3	2.598	3.495	7.8	20.1
2 21	11 5.45	− 1 6.1	2.544	3.499	4.9	20.0
3 2	10 57.35	− 0 50.1	2.519	3.503	2.3	19.8
3 12	10 49.13	− 0 28.4	2.526	3.507	3.0	19.8
3 22	10 41.50	− 0 4.5	2.562	3.510	5.9	20.0
4 1	10 35.08	+ 0 18.3	2.626	3.513	8.7	20.2
4 11	10 30.30	+ 0 36.6	2.715	3.516	11.2	20.4
359639	2011 QD_{68}		3	3.2	174.°57	1.°9/ 5.0 18
2 1	11 19.91	− 2 10.9	1.824	2.650	14.0	21.6
2 11	11 14.18	− 1 26.7	1.748	2.653	10.4	21.4
2 21	11 6.44	− 0 23.3	1.695	2.656	6.3	21.2
3 2	10 57.46	+ 0 54.7	1.670	2.657	2.4	20.9
3 12	10 48.28	+ 2 19.9	1.675	2.658	3.8	21.0
3 22	10 39.96	+ 3 44.1	1.708	2.659	8.0	21.2
4 1	10 33.38	+ 4 59.8	1.767	2.658	12.0	21.5
4 11	10 29.15	+ 6 1.6	1.849	2.657	15.4	21.7

18373 1991 RQ_{16} 3 3.2 191.°55 1.°9/ 1.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 18.93	+10 32.1	2.243	3.098	10.6	19.6
2 11	11 13.19	+11 21.4	2.170	3.097	7.5	19.4
2 21	11 5.79	+12 16.3	2.123	3.095	4.0	19.2
3 2	10 57.39	+13 11.1	2.106	3.093	2.0	19.0
3 12	10 48.85	+14 0.1	2.118	3.090	4.6	19.2
3 22	10 41.01	+14 38.5	2.160	3.087	8.1	19.4
4 1	10 34.63	+15 3.3	2.227	3.083	11.3	19.6
4 11	10 30.21	+15 13.4	2.316	3.079	14.0	19.8

370706 2004 PN_{46} 3 3.2 182.°86 2.°7/ 5.8 17

2 1	11 20.13	− 3 8.5	2.344	3.152	11.9	21.9
2 11	11 13.99	− 3 9.7	2.260	3.153	9.0	21.7
2 21	11 6.22	− 2 57.3	2.201	3.153	5.9	21.5
3 2	10 57.44	− 2 33.0	2.171	3.152	3.1	21.3
3 12	10 48.49	− 2 0.4	2.171	3.151	3.6	21.3
3 22	10 40.19	− 1 23.9	2.201	3.150	6.6	21.5
4 1	10 33.27	− 0 48.1	2.258	3.148	9.8	21.7
4 11	10 28.27	− 0 17.2	2.339	3.146	12.6	21.9

408272 2013 FO_{19} 3 3.2 280.°82 2.°3/ 1.4 16

2 1	11 20.79	+ 9 48.6	1.517	2.385	14.1	21.3
2 11	11 15.32	+10 33.6	1.435	2.368	10.0	21.0
2 21	11 7.30	+11 28.4	1.376	2.350	5.4	20.7
3 2	10 57.57	+12 25.7	1.344	2.333	2.3	20.4
3 12	10 47.41	+13 16.6	1.339	2.315	6.1	20.6
3 22	10 38.15	+13 53.9	1.360	2.297	11.0	20.9
4 1	10 31.00	+14 12.8	1.404	2.280	15.5	21.1
4 11	10 26.73	+14 11.9	1.467	2.262	19.3	21.3

511705 2015 CO_{33} 3 3.2 328.°29 0.°4/ 2.9 17

2 1	11 22.36	+ 7 57.2	1.833	2.685	12.8	20.9
2 11	11 15.93	+ 7 50.5	1.755	2.680	9.1	20.7
2 21	11 7.40	+ 7 50.1	1.703	2.674	4.9	20.4
3 2	10 57.58	+ 7 52.4	1.678	2.669	0.6	20.1
3 12	10 47.55	+ 7 53.1	1.682	2.664	4.2	20.3
3 22	10 38.42	+ 7 48.6	1.715	2.659	8.5	20.6
4 1	10 31.12	+ 7 36.4	1.772	2.655	12.4	20.8
4 11	10 26.27	+ 7 14.8	1.852	2.650	15.7	21.0

465717 2009 UQ_{83} 3 3.2 106.°95 2.°2/29.9 18

2 1	11 19.73	+11 9.8	2.088	2.946	11.2	21.5
2 11	11 13.70	+12 0.9	2.035	2.964	7.8	21.4
2 21	11 6.01	+12 56.3	2.009	2.981	4.2	21.2
3 2	10 57.42	+13 50.0	2.012	2.998	2.2	21.1
3 12	10 48.84	+14 35.9	2.044	3.015	4.9	21.3
3 22	10 41.15	+15 9.9	2.105	3.031	8.3	21.5
4 1	10 35.07	+15 29.3	2.191	3.047	11.5	21.7
4 11	10 31.05	+15 33.8	2.299	3.062	14.0	21.9

367174 2006 XB_{19} 3 3.2 109.°52 1.°9/ 5.0 18

2 1	11 20.72	− 1 13.3	2.060	2.882	12.8	21.4
2 11	11 14.39	− 0 49.0	2.001	2.905	9.4	21.2
2 21	11 6.38	− 0 10.3	1.967	2.927	5.7	21.1
3 2	10 57.46	+ 0 39.1	1.962	2.948	2.2	20.9
3 12	10 48.55	+ 1 33.5	1.986	2.969	3.4	21.0
3 22	10 40.53	+ 2 27.3	2.040	2.989	7.0	21.2
4 1	10 34.14	+ 3 15.3	2.121	3.009	10.4	21.5
4 11	10 29.83	+ 3 53.5	2.224	3.028	13.3	21.7

499458 2010 EU_{121} 3 3.2 6.°52 1.°4/ 2.1 17

2 1	11 19.81	+ 9 45.6	1.756	2.619	12.8	20.5
2 11	11 14.12	+ 9 58.1	1.689	2.619	9.0	20.2
2 21	11 6.40	+10 16.4	1.647	2.620	4.8	20.0
3 2	10 57.48	+10 35.6	1.632	2.622	1.4	19.7
3 12	10 48.45	+10 50.3	1.645	2.624	4.7	20.0
3 22	10 40.37	+10 56.3	1.685	2.626	8.9	20.2
4 1	10 34.14	+10 51.0	1.750	2.629	12.7	20.5
4 11	10 30.31	+10 33.4	1.835	2.633	15.9	20.7

461717 2005 SQ_{160} 3 3.2 136.°93 0.°9/ 4.1 18

2 1	11 18.91	+ 1 40.2	1.950	2.788	12.8	22.1
2 11	11 13.32	+ 2 9.7	1.880	2.795	9.3	21.9
2 21	11 5.91	+ 2 52.6	1.835	2.801	5.3	21.7
3 2	10 57.44	+ 3 44.6	1.817	2.807	1.3	21.4
3 12	10 48.84	+ 4 39.6	1.829	2.813	3.6	21.6
3 22	10 41.07	+ 5 31.5	1.870	2.818	7.6	21.9
4 1	10 34.93	+ 6 15.3	1.936	2.824	11.3	22.1
4 11	10 30.95	+ 6 47.3	2.025	2.829	14.4	22.3

173645 2001 FX_{163} 3 3.2 50.°02 0.°1/ 3.1 18

2 1	11 27.26	+ 7 40.1	1.294	2.155	16.5	19.2
2 11	11 19.70	+ 7 20.7	1.245	2.173	11.7	19.0
2 21	11 9.47	+ 7 9.7	1.220	2.192	6.3	18.7
3 2	10 57.80	+ 7 3.0	1.220	2.211	0.6	18.4
3 12	10 46.28	+ 6 55.5	1.247	2.230	5.0	18.7
3 22	10 36.37	+ 6 43.3	1.300	2.250	10.2	19.1
4 1	10 29.13	+ 6 23.7	1.377	2.269	14.6	19.4
4 11	10 25.08	+ 5 55.3	1.473	2.290	18.2	19.7

190373 1999 RY_{84} 3 3.2 133.°97 0.°2/ 3.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 19.06	+ 4 1.8	2.386	3.223	10.8	21.0
2 11	11 13.11	+ 4 30.6	2.320	3.236	7.7	20.8
2 21	11 5.68	+ 5 8.3	2.280	3.249	4.2	20.6
3 2	10 57.41	+ 5 51.2	2.270	3.261	0.6	20.4
3 12	10 49.10	+ 6 34.4	2.290	3.272	3.2	20.6
3 22	10 41.50	+ 7 13.6	2.340	3.284	6.6	20.8
4 1	10 35.28	+ 7 45.1	2.418	3.294	9.7	21.0
4 11	10 30.88	+ 8 6.5	2.518	3.304	12.4	21.2

343094 2009 DT_{37} 3 3.2 49.°40 1.°1/ 2.0 17

2 1	11 15.50	+ 7 1.5	1.996	2.854	11.6	21.0
2 11	11 10.85	+ 7 56.8	1.936	2.864	8.1	20.8
2 21	11 4.54	+ 9 1.0	1.901	2.875	4.3	20.6
3 2	10 57.29	+10 8.2	1.895	2.885	1.1	20.4
3 12	10 49.99	+11 11.5	1.918	2.896	4.3	20.6
3 22	10 43.47	+12 5.2	1.968	2.907	8.0	20.9
4 1	10 38.48	+12 45.3	2.044	2.918	11.4	21.1
4 11	10 35.48	+13 9.7	2.141	2.929	14.2	21.3

402082 2003 UK_{214} 3 3.2 114.°69 0.°3/ 3.4 18

2 1	11 21.39	+ 3 26.4	1.786	2.629	13.5	22.2
2 11	11 15.11	+ 4 2.7	1.727	2.646	9.6	22.0
2 21	11 6.87	+ 4 51.5	1.693	2.662	5.3	21.8
3 2	10 57.54	+ 5 47.4	1.687	2.678	0.7	21.5
3 12	10 48.19	+ 6 43.5	1.711	2.693	3.9	21.8
3 22	10 39.85	+ 7 33.5	1.762	2.708	8.2	22.1
4 1	10 33.38	+ 8 12.5	1.839	2.722	12.0	22.3
4 11	10 29.27	+ 8 37.8	1.938	2.736	15.1	22.6

354907 2006 CW_{42} 3 3.2 1.°54 2.°1/ 4.7 18

2 1	11 14.57	− 0 47.6	1.082	1.950	18.5	19.8
2 11	11 11.30	− 0 15.9	1.020	1.948	13.7	19.5
2 21	11 5.23	+ 0 42.6	0.978	1.947	8.2	19.2
3 2	10 57.38	+ 2 1.8	0.958	1.947	2.7	18.8
3 12	10 49.27	+ 3 30.4	0.962	1.948	5.1	19.0
3 22	10 42.42	+ 4 55.9	0.989	1.950	10.8	19.3
4 1	10 38.07	+ 6 7.2	1.037	1.954	16.1	19.6
4 11	10 36.92	+ 6 57.4	1.104	1.959	20.5	19.9

462067 2007 EA_{126} 3 3.2 316.°99 1.°7/ 4.8 17

2 1	11 13.27	− 2 14.7	1.565	2.409	15.0	20.3
2 11	11 9.89	− 1 12.1	1.472	2.388	11.2	20.0
2 21	11 4.34	+ 0 16.1	1.403	2.368	6.8	19.7
3 2	10 57.30	+ 2 4.8	1.360	2.348	2.2	19.4
3 12	10 49.84	+ 4 4.4	1.344	2.329	4.2	19.5
3 22	10 43.10	+ 6 3.5	1.355	2.310	9.2	19.7
4 1	10 38.15	+ 7 50.9	1.390	2.292	13.8	19.9
4 11	10 35.72	+ 9 18.8	1.447	2.275	17.9	20.1

92388 2000 JP 3 3.2 296.°47 1.°2/ 3.9 18

2 1	11 20.81	+ 2 33.6	1.345	2.202	16.3	19.6
2 11	11 15.54	+ 2 43.4	1.266	2.190	11.9	19.3
2 21	11 7.52	+ 3 10.3	1.208	2.177	6.9	19.0
3 2	10 57.64	+ 3 50.0	1.175	2.165	1.7	18.6
3 12	10 47.31	+ 4 35.1	1.169	2.153	4.8	18.8
3 22	10 37.99	+ 5 17.8	1.187	2.141	10.3	19.1
4 1	10 30.98	+ 5 50.8	1.229	2.130	15.3	19.3
4 11	10 27.08	+ 6 9.3	1.289	2.119	19.6	19.6

173791 2001 SS_{122} 3 3.2 94.°68 2.°4/ 5.8 18

2 1	11 19.55	− 2 45.2	2.539	3.346	11.1	20.2
2 11	11 13.33	− 2 45.2	2.478	3.371	8.3	20.1
2 21	11 5.74	− 2 33.0	2.443	3.395	5.3	19.9
3 2	10 57.43	− 2 10.7	2.438	3.419	2.7	19.8
3 12	10 49.12	− 1 41.9	2.463	3.443	3.2	19.9
3 22	10 41.54	− 1 10.3	2.518	3.466	5.9	20.1
4 1	10 35.29	− 0 40.0	2.601	3.489	8.7	20.3
4 11	10 30.75	− 0 14.3	2.708	3.512	11.1	20.5

223751 2004 RR_{196} 3 3.2 126.°96 1.°0/ 2.2 18 R

2 1	11 20.89	+ 8 39.2	2.213	3.061	11.0	20.2
2 11	11 14.49	+ 9 4.8	2.150	3.074	7.8	20.1
2 21	11 6.46	+ 9 36.1	2.114	3.085	4.1	19.8
3 2	10 57.51	+10 8.6	2.107	3.097	1.0	19.6
3 12	10 48.54	+10 37.5	2.130	3.108	3.9	19.9
3 22	10 40.40	+10 58.9	2.183	3.119	7.5	20.1
4 1	10 33.79	+11 10.2	2.262	3.129	10.7	20.3
4 11	10 29.19	+11 10.2	2.363	3.139	13.4	20.5

471618 2012 TY_5 3 3.2 175.°96 2.°0/ 5.6 17

2 1	11 15.20	− 3 5.1	2.528	3.342	11.0	21.4
2 11	11 10.43	− 2 28.7	2.445	3.343	8.2	21.2
2 21	11 4.28	− 1 38.0	2.388	3.344	5.2	21.0
3 2	10 57.29	− 0 36.1	2.360	3.345	2.3	20.8
3 12	10 50.17	+ 0 32.3	2.363	3.345	3.0	20.9
3 22	10 43.62	+ 1 41.8	2.395	3.345	6.0	21.1
4 1	10 38.26	+ 2 47.0	2.454	3.345	9.1	21.3
4 11	10 34.53	+ 3 43.8	2.538	3.345	11.7	21.5

176026 2000 ST_{81} 3 3.2 131.°63 0.°1/ 3.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 15.43	+ 4 38.3	2.803	3.641	9.3	21.2
2 11	11 10.42	+ 5 19.0	2.735	3.653	6.6	21.0
2 21	11 4.19	+ 6 7.5	2.694	3.664	3.5	20.8
3 2	10 57.28	+ 6 59.9	2.684	3.675	0.4	20.5
3 12	10 50.32	+ 7 51.8	2.704	3.685	2.9	20.8
3 22	10 43.91	+ 8 39.2	2.754	3.695	5.9	21.0
4 1	10 38.61	+ 9 18.8	2.832	3.705	8.6	21.2
4 11	10 34.80	+ 9 48.3	2.934	3.714	10.9	21.4

108552 2001 LM_{12} 3 3.2 283.°83 5.°1/ 7.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 17.81	− 9 15.2	2.166	2.953	13.4	19.7
2 11	11 12.65	− 9 35.2	2.066	2.936	10.8	19.5
2 21	11 5.67	− 9 36.8	1.988	2.918	8.0	19.3
3 2	10 57.46	− 9 20.0	1.937	2.901	5.6	19.1
3 12	10 48.88	− 8 47.0	1.914	2.883	5.4	19.0
3 22	10 40.84	− 8 2.4	1.919	2.866	7.6	19.1
4 1	10 34.21	− 7 12.1	1.951	2.848	10.7	19.3
4 11	10 29.60	− 6 22.4	2.005	2.831	13.7	19.5

21454 Chernoby 3 3.2 64.°60 3.°8/28.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 18.90	+17 22.7	2.190	3.055	10.5	17.9
2 11	11 13.15	+18 5.3	2.133	3.062	7.5	17.7
2 21	11 5.76	+18 47.1	2.103	3.070	4.7	17.6
3 2	10 57.45	+19 22.1	2.101	3.077	3.9	17.5
3 12	10 49.13	+19 45.4	2.129	3.085	6.1	17.7
3 22	10 41.64	+19 54.0	2.183	3.092	9.0	17.9
4 1	10 35.70	+19 46.8	2.262	3.100	11.8	18.0
4 11	10 31.78	+19 24.6	2.362	3.107	14.2	18.2

480927 2002 YZ_3 3 3.2 138.°14 1.°3/ 1.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 32.03	+ 8 42.8	2.460	3.283	10.9	23.3
2 11	11 22.10	+ 9 34.5	2.399	3.311	7.7	23.1
2 21	11 10.48	+10 31.2	2.369	3.337	4.1	23.0
3 2	10 57.95	+11 27.5	2.372	3.361	1.3	22.8
3 12	10 45.50	+12 17.6	2.410	3.383	4.1	23.0
3 22	10 34.04	+12 57.6	2.481	3.403	7.5	23.3
4 1	10 24.33	+13 24.9	2.582	3.420	10.5	23.5
4 11	10 16.82	+13 39.1	2.707	3.436	12.9	23.7

293146 2006 YR_4 3 3.2 11.°57 1.°2/ 4.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 18.19	+ 2 10.7	1.486	2.340	15.1	20.2
2 11	11 13.28	+ 2 23.8	1.419	2.342	11.0	20.0
2 21	11 6.09	+ 2 52.5	1.375	2.344	6.3	19.7
3 2	10 57.51	+ 3 32.5	1.357	2.347	1.7	19.4
3 12	10 48.76	+ 4 16.9	1.366	2.350	4.3	19.6
3 22	10 41.04	+ 4 58.5	1.400	2.354	9.1	19.9
4 1	10 35.37	+ 5 31.4	1.458	2.359	13.4	20.2
4 11	10 32.35	+ 5 51.4	1.537	2.364	17.1	20.4

56849 2000 QH_{61} 3 3.2 234.°91 1.°2/ 2.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 21.53	+ 9 2.8	2.241	3.088	11.0	19.6
2 11	11 15.15	+ 9 27.7	2.152	3.075	7.8	19.4
2 21	11 6.96	+ 9 58.7	2.089	3.061	4.2	19.1
3 2	10 57.61	+10 31.4	2.056	3.046	1.2	18.9
3 12	10 47.99	+11 0.7	2.054	3.031	4.2	19.0
3 22	10 39.04	+11 22.4	2.081	3.015	7.9	19.2
4 1	10 31.56	+11 33.5	2.134	2.999	11.4	19.4
4 11	10 26.14	+11 32.5	2.210	2.982	14.3	19.6

144571 2004 FA_{20} 3 3.2 65.°82 0.°3/ 2.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 26.45	+ 7 56.0	1.554	2.408	14.6	20.0
2 11	11 18.94	+ 7 43.1	1.494	2.419	10.4	19.8
2 21	11 9.06	+ 7 37.2	1.459	2.430	5.6	19.5
3 2	10 57.82	+ 7 34.3	1.451	2.442	0.6	19.2
3 12	10 46.59	+ 7 29.9	1.472	2.454	4.6	19.5
3 22	10 36.64	+ 7 20.4	1.520	2.465	9.3	19.8
4 1	10 28.98	+ 7 3.3	1.593	2.477	13.4	20.1
4 11	10 24.17	+ 6 37.3	1.686	2.489	16.8	20.3

371017 2005 UK_{40} 3 3.2 194.°71 1.°5/ 1.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 19.31	+ 9 15.1	2.321	3.172	10.5	22.9
2 11	11 13.46	+10 2.0	2.245	3.170	7.4	22.7
2 21	11 5.97	+10 55.4	2.195	3.167	3.9	22.5
3 2	10 57.50	+11 49.9	2.174	3.163	1.5	22.3
3 12	10 48.87	+12 40.0	2.185	3.159	4.3	22.5
3 22	10 40.91	+13 20.9	2.224	3.154	7.7	22.7
4 1	10 34.35	+13 49.4	2.290	3.149	10.9	22.9
4 11	10 29.70	+14 4.1	2.378	3.142	13.6	23.1

473908 2016 EZ_{149} 3 3.2 173.°93 2.°0/ 1.0 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 18.62	+10 49.4	2.263	3.118	10.5	21.5
2 11	11 12.97	+11 38.9	2.193	3.121	7.4	21.3
2 21	11 5.70	+12 33.5	2.150	3.122	4.0	21.1
3 2	10 57.47	+13 27.6	2.137	3.124	2.0	21.0
3 12	10 49.13	+14 15.6	2.153	3.125	4.6	21.1
3 22	10 41.51	+14 52.8	2.199	3.125	8.0	21.3
4 1	10 35.32	+15 16.5	2.270	3.125	11.1	21.5
4 11	10 31.07	+15 25.6	2.363	3.125	13.7	21.7

65116 2002 CH_{51} 3 3.2 265.°28 0.°9/ 2.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 15.51	+ 7 35.3	2.448	3.299	10.0	19.5
2 11	11 10.70	+ 8 14.1	2.370	3.295	7.0	19.3
2 21	11 4.46	+ 8 59.9	2.319	3.291	3.7	19.1
3 2	10 57.34	+ 9 48.4	2.297	3.287	0.9	18.8
3 12	10 50.08	+10 34.6	2.304	3.283	3.6	19.0
3 22	10 43.42	+11 14.1	2.341	3.278	7.0	19.2
4 1	10 37.99	+11 43.6	2.404	3.274	10.1	19.4
4 11	10 34.27	+12 1.1	2.490	3.270	12.7	19.6

426590 2013 SB_{30} 3 3.2 191.°92 2.°2/29.9 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 20.53	+12 17.6	2.280	3.135	10.5	21.7
2 11	11 14.32	+12 53.6	2.207	3.134	7.4	21.5
2 21	11 6.44	+13 33.1	2.160	3.132	4.1	21.3
3 2	10 57.55	+14 10.8	2.144	3.130	2.2	21.2
3 12	10 48.54	+14 41.6	2.157	3.127	4.8	21.4
3 22	10 40.27	+15 1.9	2.199	3.124	8.1	21.6
4 1	10 33.47	+15 9.2	2.267	3.120	11.2	21.7
4 11	10 28.67	+15 3.1	2.357	3.116	13.9	21.9

59512 1999 JW_{14} 3 3.2 43.°71 6.°3/ 9.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 15.49	−13 34.3	1.724	2.506	16.6	19.0
2 11	11 11.19	−13 17.9	1.648	2.511	13.5	18.8
2 21	11 4.90	−12 32.4	1.593	2.517	10.1	18.6
3 2	10 57.40	−11 19.2	1.563	2.522	7.2	18.4
3 12	10 49.72	− 9 43.8	1.559	2.528	6.3	18.4
3 22	10 42.89	− 7 55.4	1.582	2.534	8.4	18.5
4 1	10 37.82	− 6 4.4	1.630	2.540	11.7	18.7
4 11	10 35.08	− 4 20.6	1.702	2.546	14.9	18.9

150672 2001 MJ_{28} 3 3.2 145.°10 1.°5/ 4.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 19.02	− 1 6.6	2.493	3.309	11.0	21.0
2 11	11 13.07	− 0 30.8	2.422	3.323	8.1	20.8
2 21	11 5.68	+ 0 17.6	2.377	3.337	4.9	20.6
3 2	10 57.47	+ 1 15.2	2.362	3.349	1.8	20.4
3 12	10 49.21	+ 2 17.0	2.378	3.361	2.9	20.5
3 22	10 41.61	+ 3 17.9	2.424	3.372	6.2	20.7
4 1	10 35.32	+ 4 13.1	2.499	3.382	9.2	20.9
4 11	10 30.79	+ 4 59.1	2.597	3.391	11.8	21.1

121522 1999 UU_{27} 3 3.2 267.°44 0.°6/ 2.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 18.82	+ 6 34.9	1.981	2.832	12.0	20.4
2 11	11 13.41	+ 7 5.2	1.895	2.820	8.6	20.1
2 21	11 6.09	+ 7 45.0	1.835	2.806	4.6	19.9
3 2	10 57.53	+ 8 29.6	1.803	2.793	0.7	19.5
3 12	10 48.70	+ 9 13.0	1.799	2.780	4.1	19.8
3 22	10 40.57	+ 9 49.9	1.824	2.766	8.3	20.0
4 1	10 34.02	+10 15.9	1.875	2.753	12.1	20.2
4 11	10 29.66	+10 28.5	1.947	2.739	15.3	20.4

472574 2015 DU_{96} 3 3.2 197.°28 1.°0/ 1.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 15.64	+ 7 17.2	2.641	3.489	9.5	21.8
2 11	11 10.72	+ 8 15.2	2.562	3.486	6.7	21.7
2 21	11 4.45	+ 9 20.8	2.511	3.483	3.5	21.4
3 2	10 57.35	+10 29.2	2.490	3.479	1.0	21.2
3 12	10 50.12	+11 34.9	2.499	3.475	3.6	21.4
3 22	10 43.42	+12 33.1	2.539	3.471	6.8	21.6
4 1	10 37.88	+13 20.4	2.605	3.466	9.7	21.8
4 11	10 33.93	+13 54.4	2.695	3.461	12.1	22.0

101232 1998 SU_{75} 3 3.2 104.°04 2.°8/ 5.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 19.75	− 3 12.0	1.773	2.596	14.5	19.9
2 11	11 14.03	− 2 53.6	1.708	2.610	10.9	19.7
2 21	11 6.37	− 2 16.6	1.667	2.623	6.9	19.5
3 2	10 57.56	− 1 24.7	1.652	2.636	3.3	19.3
3 12	10 48.67	− 0 23.8	1.667	2.649	4.0	19.4
3 22	10 40.74	+ 0 38.8	1.708	2.662	7.8	19.6
4 1	10 34.61	+ 1 36.4	1.776	2.674	11.6	19.9
4 11	10 30.82	+ 2 23.7	1.866	2.686	14.8	20.1

292915 2006 VP_{60} 3 3.2 230.°89 0.°3/ 3.5 14 C

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 19.82	+ 3 16.4	1.989	2.830	12.4	22.4
2 11	11 14.13	+ 3 51.2	1.901	2.819	9.0	22.2
2 21	11 6.49	+ 4 38.9	1.839	2.807	5.0	21.9
3 2	10 57.59	+ 5 34.9	1.804	2.795	0.8	21.5
3 12	10 48.39	+ 6 33.1	1.800	2.782	3.8	21.8
3 22	10 39.89	+ 7 27.3	1.824	2.769	8.0	22.0
4 1	10 32.97	+ 8 12.0	1.874	2.755	11.9	22.2
4 11	10 28.26	+ 8 43.7	1.946	2.741	15.2	22.4

309883 2009 DJ_{128} 3 3.2 7.°84 1.°9/ 1.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 20.25	+ 9 8.4	1.235	2.112	16.0	20.7
2 11	11 15.10	+ 9 36.8	1.176	2.112	11.3	20.4
2 21	11 7.22	+10 15.2	1.138	2.113	6.1	20.1
3 2	10 57.66	+10 55.8	1.125	2.115	1.9	19.8
3 12	10 47.95	+11 30.0	1.138	2.118	6.1	20.1
3 22	10 39.56	+11 50.9	1.175	2.121	11.3	20.4
4 1	10 33.66	+11 54.5	1.234	2.125	16.0	20.7
4 11	10 30.89	+11 40.0	1.310	2.130	19.9	20.9

2020	α_{2000}	δ_{2000}	Δ	r	β	V
320986	2008 JC_{24}		3	3.2	258.°26	1.°4/ 2.0 17
	h m	° ′			°	m
2 1	11 21.49	+ 9 13.3	1.920	2.774	12.2	21.1
2 11	11 15.40	+ 9 40.7	1.832	2.759	8.7	20.8
2 21	11 7.22	+10 15.3	1.770	2.743	4.7	20.5
3 2	10 57.68	+10 51.8	1.737	2.726	1.4	20.3
3 12	10 47.80	+11 24.4	1.732	2.710	4.7	20.5
3 22	10 38.68	+11 47.8	1.756	2.692	9.0	20.7
4 1	10 31.25	+11 58.7	1.805	2.675	12.8	20.9
4 11	10 26.20	+11 55.4	1.875	2.657	16.1	21.1
19813	Ericsands		3	3.2	35.°92	0.°2/ 3.0 18
2 1	11 17.54	+ 3 13.6	1.391	2.253	15.5	18.3
2 11	11 12.95	+ 4 15.9	1.328	2.256	11.1	18.1
2 21	11 5.97	+ 5 36.5	1.287	2.260	6.0	17.8
3 2	10 57.54	+ 7 7.4	1.272	2.263	0.6	17.4
3 12	10 48.93	+ 8 38.0	1.284	2.267	4.9	17.7
3 22	10 41.41	+ 9 58.2	1.322	2.271	10.1	18.0
4 1	10 36.03	+11 0.6	1.383	2.275	14.6	18.3
4 11	10 33.41	+11 41.4	1.464	2.280	18.3	18.6
423725	2006 BC_{117}		3	3.2	341.°58	1.°1/ 2.0 18
2 1	11 14.85	+ 5 43.4	1.687	2.550	13.2	20.2
2 11	11 10.78	+ 6 54.2	1.614	2.545	9.3	20.0
2 21	11 4.71	+ 8 19.0	1.567	2.541	4.9	19.7
3 2	10 57.41	+ 9 50.3	1.546	2.537	1.1	19.4
3 12	10 49.89	+11 18.7	1.554	2.533	4.9	19.7
3 22	10 43.19	+12 36.0	1.589	2.530	9.3	19.9
4 1	10 38.23	+13 35.9	1.648	2.527	13.3	20.2
4 11	10 35.59	+14 15.4	1.727	2.525	16.7	20.4
249392	2009 BX_{112}		3	3.2	312.°59	1.°4/ 1.8 17
2 1	11 15.79	+ 8 40.1	2.075	2.935	11.2	20.1
2 11	11 11.19	+ 9 22.2	1.993	2.922	7.9	19.9
2 21	11 4.85	+10 12.1	1.936	2.910	4.2	19.6
3 2	10 57.42	+11 4.7	1.908	2.897	1.4	19.4
3 12	10 49.77	+11 53.8	1.908	2.885	4.4	19.6
3 22	10 42.77	+12 34.1	1.936	2.873	8.2	19.8
4 1	10 37.22	+13 1.6	1.989	2.861	11.7	20.0
4 11	10 33.67	+13 14.4	2.064	2.850	14.7	20.2
481058	2005 MM_{24}		3	3.2	283.°52	17.°4/ 9.7 18
2 1	11 31.44	−21 3.8	1.132	1.886	25.1	21.0
2 11	11 24.26	−24 3.0	1.062	1.881	22.5	20.8
2 21	11 12.92	−26 31.1	1.008	1.876	19.8	20.6
3 2	10 58.36	−28 13.7	0.973	1.871	17.9	20.4
3 12	10 42.54	−29 2.1	0.959	1.866	17.4	20.4
3 22	10 27.84	−28 56.9	0.965	1.862	18.7	20.4
4 1	10 16.45	−28 9.2	0.989	1.857	21.1	20.6
4 11	10 9.67	−26 56.7	1.029	1.853	23.9	20.7
293966	2007 TT_{45}		3	3.2	167.°07	4.°2/28.2 18
2 1	11 23.03	+16 41.3	1.939	2.801	11.7	20.8
2 11	11 16.32	+17 44.3	1.878	2.806	8.4	20.6
2 21	11 7.60	+18 47.7	1.844	2.811	5.3	20.4
3 2	10 57.72	+19 43.9	1.839	2.814	4.4	20.4
3 12	10 47.75	+20 25.9	1.863	2.817	6.9	20.5
3 22	10 38.75	+20 49.7	1.914	2.820	10.2	20.7
4 1	10 31.59	+20 53.8	1.989	2.821	13.4	20.9
4 11	10 26.82	+20 39.4	2.084	2.822	16.1	21.1
63778	2001 RY_1		3	3.2	172.°37	1.°1/ 4.5 18
2 1	11 15.29	+ 0 7.1	2.417	3.246	10.9	19.8
2 11	11 10.56	+ 0 47.2	2.338	3.247	8.0	19.6
2 21	11 4.40	+ 1 40.1	2.284	3.248	4.7	19.4
3 2	10 57.38	+ 2 42.0	2.260	3.249	1.4	19.1
3 12	10 50.22	+ 3 47.7	2.266	3.250	3.0	19.2
3 22	10 43.66	+ 4 51.8	2.301	3.250	6.4	19.5
4 1	10 38.33	+ 5 49.2	2.364	3.250	9.5	19.7
4 11	10 34.71	+ 6 36.3	2.450	3.251	12.3	19.8
33458	Fialkow		3	3.2	335.°87	1.°6/ 1.9 18
2 1	11 18.00	+ 7 1.5	1.284	2.158	15.7	18.4
2 11	11 13.53	+ 7 57.4	1.217	2.152	11.1	18.1
2 21	11 6.41	+ 9 8.4	1.172	2.147	5.9	17.8
3 2	10 57.61	+10 25.6	1.152	2.142	1.6	17.5
3 12	10 48.51	+11 38.2	1.158	2.138	6.0	17.7
3 22	10 40.55	+12 36.7	1.188	2.134	11.3	18.0
4 1	10 34.91	+13 14.9	1.241	2.130	16.1	18.3
4 11	10 32.30	+13 30.3	1.311	2.128	20.0	18.5
279126	2009 PU_{16}		3	3.2	108.°23	1.°2/ 4.5 18
2 1	11 19.03	+ 0 1.2	2.123	2.951	12.2	21.4
2 11	11 13.22	+ 0 40.0	2.064	2.972	8.9	21.2
2 21	11 5.81	+ 1 32.2	2.029	2.993	5.2	21.0
3 2	10 57.53	+ 2 33.6	2.024	3.013	1.6	20.8
3 12	10 49.24	+ 3 38.0	2.049	3.032	3.2	21.0
3 22	10 41.78	+ 4 39.6	2.103	3.051	6.9	21.3
4 1	10 35.85	+ 5 33.3	2.184	3.070	10.2	21.5
4 11	10 31.89	+ 6 15.6	2.288	3.088	13.0	21.7

2020	α_{2000}	δ_{2000}	Δ	r	β	V
56497	2000 GD_{140}		3	3.2	128.°82	3.°7/29.0 18
	h m	° ′			°	m
2 1	11 22.69	+13 4.2	1.605	2.472	13.5	19.2
2 11	11 16.30	+14 18.7	1.552	2.484	9.5	19.0
2 21	11 7.66	+15 37.7	1.525	2.496	5.4	18.7
3 2	10 57.73	+16 51.9	1.525	2.508	3.8	18.7
3 12	10 47.78	+17 52.5	1.554	2.519	6.9	18.9
3 22	10 39.01	+18 33.5	1.609	2.529	10.9	19.1
4 1	10 32.36	+18 52.8	1.688	2.539	14.5	19.4
4 11	10 28.37	+18 51.1	1.785	2.548	17.5	19.6
382769	2003 SX_7		3	3.2	191.°52	1.°7/ 5.3 18
2 1	11 16.49	− 2 2.2	2.540	3.356	10.9	21.6
2 11	11 11.38	− 1 26.4	2.454	3.354	8.1	21.4
2 21	11 4.85	− 0 36.9	2.394	3.352	5.0	21.2
3 2	10 57.45	+ 0 23.1	2.364	3.350	2.1	21.0
3 12	10 49.89	+ 1 28.9	2.363	3.346	2.9	21.1
3 22	10 42.89	+ 2 35.1	2.393	3.343	6.1	21.3
4 1	10 37.08	+ 3 36.8	2.451	3.339	9.2	21.5
4 11	10 32.94	+ 4 29.7	2.533	3.334	11.9	21.7
492697	2014 PJ_{61}		3	3.2	213.°32	0.°2/ 2.9 17
2 1	11 21.15	+ 4 22.0	1.977	2.819	12.4	22.6
2 11	11 15.09	+ 5 10.2	1.891	2.810	8.9	22.3
2 21	11 7.03	+ 6 11.1	1.831	2.801	4.9	22.1
3 2	10 57.69	+ 7 19.2	1.800	2.791	0.5	21.7
3 12	10 48.06	+ 8 27.6	1.799	2.780	4.1	22.0
3 22	10 39.16	+ 9 29.6	1.827	2.768	8.4	22.2
4 1	10 31.89	+10 19.8	1.881	2.755	12.2	22.4
4 11	10 26.88	+10 54.8	1.957	2.742	15.5	22.6
85308	Atsushimori		3	3.2	146.°64	0.°6/ 3.7 18
2 1	11 20.92	+ 1 45.8	1.785	2.624	13.7	20.5
2 11	11 14.91	+ 2 36.3	1.718	2.635	9.9	20.3
2 21	11 6.89	+ 3 42.1	1.676	2.644	5.5	20.1
3 2	10 57.68	+ 4 57.5	1.662	2.653	1.0	19.8
3 12	10 48.36	+ 6 14.5	1.678	2.661	3.9	20.0
3 22	10 39.99	+ 7 25.5	1.722	2.668	8.3	20.3
4 1	10 33.44	+ 8 24.6	1.792	2.675	12.2	20.5
4 11	10 29.26	+ 9 7.9	1.883	2.681	15.5	20.8
181470	2006 TY_{63}		3	3.2	127.°87	0.°8/ 2.4 18
2 1	11 18.80	+ 5 24.6	1.859	2.711	12.7	20.9
2 11	11 13.34	+ 6 27.1	1.796	2.721	8.9	20.6
2 21	11 6.01	+ 7 41.2	1.759	2.731	4.7	20.4
3 2	10 57.59	+ 9 0.2	1.750	2.740	0.8	20.1
3 12	10 49.08	+10 16.1	1.770	2.750	4.4	20.4
3 22	10 41.46	+11 22.1	1.819	2.758	8.5	20.7
4 1	10 35.55	+12 13.2	1.893	2.767	12.1	20.9
4 11	10 31.86	+12 47.2	1.988	2.775	15.2	21.1
196772	Fritzleiber		3	3.2	130.°31	0.°4/ 3.6 17
2 1	11 17.60	+ 3 11.5	2.134	2.975	11.7	20.7
2 11	11 12.32	+ 3 45.1	2.064	2.981	8.4	20.5
2 21	11 5.41	+ 4 29.7	2.018	2.987	4.7	20.3
3 2	10 57.52	+ 5 21.3	2.002	2.992	0.8	20.0
3 12	10 49.53	+ 6 14.1	2.014	2.997	3.4	20.2
3 22	10 42.28	+ 7 2.8	2.056	3.002	7.2	20.5
4 1	10 36.49	+ 7 42.8	2.124	3.007	10.6	20.7
4 11	10 32.65	+ 8 11.3	2.215	3.012	13.5	20.9
80418	1999 XA_{206}		3	3.2	147.°74	0.°4/ 2.9 18
2 1	11 25.73	+ 6 22.6	1.603	2.453	14.4	19.5
2 11	11 18.50	+ 6 41.5	1.538	2.461	10.3	19.3
2 21	11 8.90	+ 7 10.6	1.498	2.469	5.6	19.0
3 2	10 57.91	+ 7 44.4	1.485	2.476	0.6	18.6
3 12	10 46.82	+ 8 16.4	1.502	2.483	4.6	19.0
3 22	10 36.89	+ 8 40.9	1.545	2.489	9.4	19.2
4 1	10 29.15	+ 8 54.2	1.614	2.494	13.5	19.5
4 11	10 24.19	+ 8 54.2	1.703	2.499	17.0	19.7
73678	1988 TY		3	3.2	124.°97	1.°6/ 1.8 18
2 1	11 23.28	+ 9 9.6	1.935	2.786	12.3	20.3
2 11	11 16.36	+ 9 51.4	1.880	2.805	8.6	20.1
2 21	11 7.57	+10 39.5	1.850	2.822	4.6	19.9
3 2	10 57.76	+11 27.8	1.850	2.839	1.6	19.7
3 12	10 47.97	+12 10.3	1.879	2.855	4.7	20.0
3 22	10 39.19	+12 42.1	1.937	2.870	8.5	20.2
4 1	10 32.22	+13 0.4	2.021	2.885	12.0	20.5
4 11	10 27.55	+13 4.4	2.127	2.899	14.8	20.7
56249	1999 JS_{74}		3	3.2	303.°48	1.°2/ 2.0 18
2 1	11 15.15	+ 5 7.2	1.634	2.496	13.5	17.7
2 11	11 11.23	+ 6 25.6	1.544	2.475	9.7	17.4
2 21	11 5.12	+ 8 1.6	1.479	2.453	5.2	17.1
3 2	10 57.52	+ 9 47.8	1.441	2.432	1.2	16.8
3 12	10 49.50	+11 33.7	1.431	2.410	5.2	17.0
3 22	10 42.18	+13 9.2	1.448	2.389	10.1	17.2
4 1	10 36.62	+14 26.2	1.489	2.369	14.5	17.5
4 11	10 33.56	+15 20.2	1.550	2.349	18.3	17.6

128726 2004 RN_{143} 3 3.2 170.°06 2.°4/29.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 18.44	+11 29.8	2.196	3.054	10.7	20.5
2 11	11 12.91	+12 28.9	2.128	3.057	7.5	20.3
2 21	11 5.73	+13 33.0	2.087	3.059	4.1	20.1
3 2	10 57.57	+14 35.9	2.076	3.061	2.4	20.0
3 12	10 49.29	+15 31.4	2.094	3.063	5.0	20.2
3 22	10 41.75	+16 14.6	2.141	3.064	8.4	20.4
4 1	10 35.69	+16 42.5	2.213	3.065	11.5	20.6
4 11	10 31.59	+16 54.4	2.307	3.065	14.1	20.8

270462 2002 CH_{276} 3 3.2 60.°82 0.°8/ 3.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 19.65	+ 2 58.6	1.756	2.602	13.6	20.7
2 11	11 14.03	+ 3 13.0	1.690	2.609	9.8	20.5
2 21	11 6.43	+ 3 40.0	1.648	2.616	5.6	20.2
3 2	10 57.65	+ 4 15.4	1.634	2.624	1.2	19.9
3 12	10 48.78	+ 4 53.5	1.648	2.631	3.8	20.1
3 22	10 40.84	+ 5 28.4	1.689	2.639	8.1	20.4
4 1	10 34.71	+ 5 55.5	1.756	2.647	12.0	20.7
4 11	10 30.94	+ 6 11.4	1.844	2.655	15.3	20.9

205024 1998 BZ_5 3 3.2 27.°97 1.°0/ 2.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 16.25	+ 7 28.4	2.127	2.982	11.1	20.9
2 11	11 11.40	+ 8 11.5	2.057	2.983	7.8	20.7
2 21	11 4.94	+ 9 2.7	2.012	2.985	4.2	20.5
3 2	10 57.50	+ 9 56.8	1.997	2.987	1.0	20.2
3 12	10 49.95	+10 47.9	2.010	2.989	4.0	20.5
3 22	10 43.11	+11 30.9	2.052	2.991	7.7	20.7
4 1	10 37.72	+12 2.1	2.119	2.993	11.1	20.9
4 11	10 34.25	+12 19.5	2.209	2.995	13.9	21.1

298774 2004 PH_1 3 3.2 162.°60 3.°2/29.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 22.87	+13 0.3	1.873	2.733	12.2	21.4
2 11	11 16.27	+14 5.9	1.811	2.740	8.6	21.2
2 21	11 7.63	+15 15.7	1.775	2.746	4.9	21.0
3 2	10 57.80	+16 21.9	1.768	2.751	3.3	20.9
3 12	10 47.86	+17 17.1	1.791	2.756	6.1	21.0
3 22	10 38.90	+17 55.9	1.841	2.760	9.9	21.3
4 1	10 31.80	+18 15.9	1.916	2.762	13.3	21.5
4 11	10 27.11	+18 17.3	2.012	2.765	16.1	21.7

265685 2005 UX_{96} 3 3.2 202.°35 0.°3/ 2.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 18.55	+ 5 2.5	2.196	3.040	11.3	21.8
2 11	11 13.05	+ 5 47.6	2.115	3.036	8.1	21.6
2 21	11 5.85	+ 6 43.1	2.061	3.032	4.3	21.4
3 2	10 57.61	+ 7 44.1	2.036	3.027	0.5	21.0
3 12	10 49.17	+ 8 44.6	2.041	3.021	3.7	21.3
3 22	10 41.40	+ 9 38.9	2.075	3.016	7.5	21.5
4 1	10 35.07	+10 22.7	2.135	3.009	11.0	21.7
4 11	10 30.70	+10 53.0	2.218	3.002	13.9	21.9

463616 2013 TS_8 3 3.2 239.°32 2.°0/ 1.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 23.33	+11 45.0	2.034	2.888	11.6	21.8
2 11	11 16.59	+12 5.5	1.951	2.877	8.3	21.5
2 21	11 7.85	+12 29.8	1.894	2.866	4.5	21.3
3 2	10 57.83	+12 52.9	1.867	2.854	2.0	21.1
3 12	10 47.58	+13 9.5	1.869	2.842	4.9	21.2
3 22	10 38.11	+13 15.9	1.899	2.830	8.8	21.4
4 1	10 30.34	+13 9.7	1.956	2.817	12.4	21.6
4 11	10 24.87	+12 50.5	2.033	2.804	15.4	21.8

345671 2006 UL_{29} 3 3.2 201.°37 2.°9/28.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 18.35	+15 29.1	2.551	3.410	9.4	21.3
2 11	11 12.69	+16 8.1	2.481	3.408	6.6	21.1
2 21	11 5.56	+16 48.0	2.437	3.406	4.0	21.0
3 2	10 57.57	+17 23.8	2.424	3.403	3.0	20.9
3 12	10 49.49	+17 51.1	2.440	3.401	5.0	21.0
3 22	10 42.05	+18 6.6	2.485	3.398	7.9	21.2
4 1	10 35.91	+18 8.9	2.555	3.395	10.6	21.4
4 11	10 31.53	+17 57.7	2.648	3.391	12.9	21.5

64306 2001 UH_{29} 3 3.2 103.°15 7.°7/22.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 23.29	+33 54.1	2.537	3.376	10.1	19.5
2 11	11 16.14	+34 56.5	2.508	3.394	8.5	19.4
2 21	11 7.36	+35 45.7	2.506	3.413	7.7	19.4
3 2	10 57.76	+36 15.5	2.530	3.431	8.1	19.5
3 12	10 48.29	+36 22.7	2.582	3.448	9.4	19.6
3 22	10 39.85	+36 7.0	2.658	3.465	11.1	19.7
4 1	10 33.11	+35 30.3	2.757	3.482	12.7	19.9
4 11	10 28.48	+34 36.2	2.873	3.499	14.2	20.0

430369 2014 BU_{28} 3 3.2 170.°15 0.°0/ 3.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 15.98	+ 4 8.8	2.448	3.289	10.4	21.7
2 11	11 11.05	+ 4 48.3	2.372	3.290	7.4	21.5
2 21	11 4.69	+ 5 37.3	2.322	3.292	4.0	21.3
3 2	10 57.48	+ 6 31.7	2.302	3.293	0.5	21.0
3 12	10 50.15	+ 7 26.5	2.312	3.294	3.2	21.2
3 22	10 43.43	+ 8 16.7	2.351	3.294	6.6	21.4
4 1	10 37.94	+ 8 58.5	2.417	3.295	9.7	21.6
4 11	10 34.16	+ 9 29.0	2.506	3.295	12.3	21.8

200595 2001 RD_{70} 3 3.2 127.°42 3.°2/ 5.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 20.88	− 4 26.7	1.636	2.457	15.6	21.2
2 11	11 15.03	− 4 0.1	1.569	2.469	11.8	21.0
2 21	11 7.03	− 3 11.6	1.526	2.480	7.6	20.7
3 2	10 57.74	− 2 5.2	1.508	2.491	3.7	20.5
3 12	10 48.34	− 0 48.0	1.519	2.502	4.3	20.6
3 22	10 39.95	+ 0 31.2	1.558	2.512	8.3	20.8
4 1	10 33.54	+ 1 44.3	1.622	2.521	12.4	21.1
4 11	10 29.67	+ 2 45.1	1.708	2.530	15.8	21.3

455172 1999 QJ 3 3.2 140.°05 0.°4/ 2.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 28.84	+ 7 49.6	2.490	3.317	10.7	22.7
2 11	11 19.93	+ 7 56.1	2.424	3.336	7.6	22.5
2 21	11 9.40	+ 8 7.4	2.386	3.354	4.1	22.3
3 2	10 57.99	+ 8 20.1	2.381	3.371	0.5	22.0
3 12	10 46.62	+ 8 30.6	2.408	3.387	3.4	22.3
3 22	10 36.13	+ 8 36.0	2.468	3.402	6.9	22.5
4 1	10 27.26	+ 8 34.5	2.557	3.416	9.9	22.7
4 11	10 20.45	+ 8 25.0	2.670	3.428	12.4	22.9

18720 Jerryguo 3 3.2 321.°77 4.°4/ 7.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 14.37	− 8 23.6	2.066	2.866	13.6	18.0
2 11	11 10.26	− 8 16.9	1.974	2.854	10.8	17.8
2 21	11 4.42	− 7 49.9	1.904	2.843	7.7	17.6
3 2	10 57.46	− 7 3.8	1.861	2.832	5.0	17.4
3 12	10 50.24	− 6 2.7	1.845	2.821	4.7	17.4
3 22	10 43.62	− 4 52.5	1.857	2.810	7.3	17.5
4 1	10 38.41	− 3 40.4	1.895	2.800	10.5	17.7
4 11	10 35.17	− 2 33.1	1.956	2.790	13.7	17.9

243424 2009 CT_{27} 3 3.2 107.°17 2.°0/29.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 16.54	+10 49.5	2.309	3.168	10.2	21.1
2 11	11 11.49	+11 42.6	2.246	3.175	7.1	20.9
2 21	11 4.93	+12 40.5	2.209	3.182	3.9	20.7
3 2	10 57.51	+13 37.8	2.202	3.189	2.0	20.6
3 12	10 50.02	+14 28.8	2.225	3.196	4.5	20.8
3 22	10 43.23	+15 9.0	2.276	3.202	7.8	21.0
4 1	10 37.80	+15 35.7	2.352	3.209	10.7	21.2
4 11	10 34.18	+15 47.9	2.451	3.216	13.2	21.4

217904 2001 SD_{107} 3 3.2 226.°80 5.°3/ 8.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 17.85	−11 59.1	2.149	2.922	14.0	20.8
2 11	11 12.70	−11 51.9	2.053	2.912	11.4	20.6
2 21	11 5.74	−11 22.2	1.980	2.903	8.5	20.4
3 2	10 57.61	−10 30.4	1.933	2.893	6.0	20.2
3 12	10 49.19	− 9 20.4	1.914	2.882	5.5	20.2
3 22	10 41.37	− 7 58.1	1.923	2.871	7.6	20.3
4 1	10 34.99	− 6 31.4	1.960	2.859	10.6	20.4
4 11	10 30.65	− 5 7.8	2.020	2.847	13.6	20.6

327463 2005 XO_{69} 3 3.2 145.°07 0.°1/ 3.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 19.63	+ 4 17.7	2.176	3.016	11.5	21.9
2 11	11 13.73	+ 4 48.1	2.107	3.025	8.2	21.7
2 21	11 6.17	+ 5 28.4	2.064	3.033	4.5	21.5
3 2	10 57.65	+ 6 14.3	2.049	3.040	0.6	21.2
3 12	10 49.04	+ 7 0.3	2.065	3.047	3.4	21.4
3 22	10 41.20	+ 7 41.6	2.110	3.054	7.2	21.7
4 1	10 34.86	+ 8 14.1	2.182	3.061	10.6	21.9
4 11	10 30.49	+ 8 35.4	2.276	3.066	13.4	22.1

410154 2007 HK_{65} 3 3.2 290.°62 7.°5/25.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 21.30	+19 55.5	1.359	2.240	14.5	21.1
2 11	11 16.23	+21 38.9	1.280	2.214	10.9	20.8
2 21	11 8.14	+23 25.3	1.225	2.187	8.0	20.6
3 2	10 57.90	+25 1.2	1.195	2.159	8.1	20.5
3 12	10 46.99	+26 12.9	1.190	2.132	11.4	20.6
3 22	10 37.06	+26 52.0	1.208	2.104	15.7	20.8
4 1	10 29.59	+26 55.9	1.246	2.077	19.9	21.0
4 11	10 25.49	+26 27.4	1.298	2.049	23.5	21.1

125181 2001 UW_{116} 3 3.2 257.°47 6.°6/26.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 23.15	+19 57.6	1.452	2.328	14.1	19.4
2 11	11 17.08	+21 14.5	1.391	2.322	10.4	19.2
2 21	11 8.33	+22 29.6	1.354	2.316	7.3	19.0
3 2	10 57.90	+23 31.8	1.342	2.310	6.9	19.0
3 12	10 47.25	+24 11.4	1.357	2.304	9.8	19.1
3 22	10 37.83	+24 23.5	1.396	2.298	13.6	19.3
4 1	10 30.81	+24 7.8	1.456	2.291	17.3	19.5
4 11	10 26.86	+23 27.6	1.533	2.285	20.4	19.7

320815 2008 FZ_{13} 3 3.2 44.°31 0.°3/ 2.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 21.74	+ 6 11.0	1.320	2.185	15.9	21.0
2 11	11 15.83	+ 6 27.0	1.273	2.203	11.3	20.7
2 21	11 7.48	+ 6 54.8	1.249	2.222	6.1	20.5
3 2	10 57.79	+ 7 28.1	1.250	2.241	0.6	20.2
3 12	10 48.18	+ 7 59.4	1.277	2.260	4.9	20.5
3 22	10 39.97	+ 8 22.7	1.330	2.280	9.9	20.9
4 1	10 34.14	+ 8 33.6	1.406	2.301	14.2	21.2
4 11	10 31.20	+ 8 30.4	1.502	2.321	17.8	21.4

67818 2000 VJ_{32} 3 3.2 73.°32 1.°3/ 4.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 20.69	+ 1 6.4	1.444	2.292	15.8	19.3
2 11	11 15.03	+ 1 34.3	1.388	2.307	11.5	19.0
2 21	11 7.05	+ 2 19.8	1.355	2.322	6.6	18.8
3 2	10 57.75	+ 3 17.2	1.347	2.337	1.8	18.5
3 12	10 48.42	+ 4 18.5	1.368	2.352	4.3	18.7
3 22	10 40.29	+ 5 15.5	1.414	2.367	9.1	19.0
4 1	10 34.33	+ 6 1.7	1.485	2.382	13.4	19.3
4 11	10 31.10	+ 6 32.9	1.575	2.397	17.0	19.6

32217 Beverlyge 3 3.2 210.°37 0.°5/ 2.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 19.39	+ 6 14.6	2.164	3.011	11.3	19.2
2 11	11 13.67	+ 6 50.9	2.083	3.005	8.1	18.9
2 21	11 6.21	+ 7 36.3	2.029	3.000	4.3	18.7
3 2	10 57.67	+ 8 26.2	2.003	2.993	0.6	18.4
3 12	10 48.93	+ 9 14.7	2.007	2.987	3.8	18.6
3 22	10 40.87	+ 9 56.8	2.040	2.980	7.7	18.9
4 1	10 34.29	+10 28.4	2.099	2.972	11.2	19.1
4 11	10 29.73	+10 47.2	2.181	2.964	14.1	19.3

230371 2002 FA_{15} 3 3.2 295.°54 6.°6/25.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 19.42	+21 57.1	1.816	2.688	11.9	19.9
2 11	11 14.26	+23 23.5	1.734	2.661	9.0	19.6
2 21	11 6.78	+24 48.8	1.677	2.633	6.9	19.4
3 2	10 57.75	+26 3.1	1.648	2.606	7.1	19.4
3 12	10 48.28	+26 57.5	1.646	2.578	9.6	19.5
3 22	10 39.57	+27 26.3	1.668	2.550	12.9	19.6
4 1	10 32.71	+27 27.7	1.712	2.522	16.2	19.8
4 11	10 28.43	+27 3.5	1.774	2.495	19.0	19.9

213626 2002 QX_{58} 3 3.2 268.°56 1.°3/ 4.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 19.13	+ 0 41.4	1.755	2.595	13.9	21.5
2 11	11 13.98	+ 1 13.3	1.660	2.575	10.3	21.2
2 21	11 6.62	+ 2 2.7	1.589	2.555	6.0	20.9
3 2	10 57.74	+ 3 5.4	1.545	2.534	1.7	20.6
3 12	10 48.40	+ 4 14.9	1.529	2.513	4.0	20.7
3 22	10 39.74	+ 5 23.2	1.541	2.492	8.7	20.9
4 1	10 32.81	+ 6 23.1	1.578	2.470	13.1	21.1
4 11	10 28.35	+ 7 9.3	1.636	2.448	16.9	21.3

158522 2002 FZ_{12} 3 3.2 265.°86 1.°5/ 1.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 18.70	+ 9 3.3	1.925	2.784	12.0	19.9
2 11	11 13.34	+ 9 42.9	1.851	2.780	8.4	19.6
2 21	11 6.08	+10 30.0	1.802	2.775	4.5	19.4
3 2	10 57.66	+11 18.9	1.782	2.771	1.5	19.2
3 12	10 49.06	+12 3.2	1.790	2.767	4.7	19.4
3 22	10 41.25	+12 37.7	1.826	2.763	8.7	19.6
4 1	10 35.09	+12 58.6	1.887	2.758	12.3	19.8
4 11	10 31.14	+13 4.5	1.969	2.754	15.4	20.0

204755 2006 JK_{35} 3 3.2 215.°97 1.°3/ 4.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 16.16	+ 0 0.8	2.214	3.045	11.7	21.3
2 11	11 11.35	+ 0 36.5	2.133	3.043	8.6	21.0
2 21	11 4.93	+ 1 26.2	2.076	3.040	5.1	20.8
3 2	10 57.54	+ 2 25.9	2.048	3.037	1.6	20.6
3 12	10 49.97	+ 3 30.3	2.050	3.033	3.2	20.7
3 22	10 43.03	+ 4 33.4	2.080	3.030	6.9	20.9
4 1	10 37.45	+ 5 29.9	2.137	3.027	10.3	21.1
4 11	10 33.73	+ 6 15.5	2.218	3.023	13.2	21.3

282248 2002 GD_{61} 3 3.2 356.°80 2.°9/29.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 19.13	+12 29.1	1.774	2.642	12.4	20.5
2 11	11 13.74	+13 14.9	1.708	2.641	8.7	20.3
2 21	11 6.32	+14 5.3	1.668	2.640	4.9	20.0
3 2	10 57.69	+14 53.4	1.655	2.640	2.9	19.9
3 12	10 48.92	+15 32.4	1.670	2.640	5.9	20.1
3 22	10 41.08	+15 57.3	1.711	2.640	9.8	20.3
4 1	10 35.05	+16 5.3	1.777	2.640	13.3	20.5
4 11	10 31.40	+15 56.1	1.862	2.640	16.4	20.7

363530 2003 UN_{260} 3 3.2 162.°79 1.°7/ 4.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 19.74	− 0 21.8	1.737	2.572	14.2	21.5
2 11	11 14.20	+ 0 7.6	1.664	2.575	10.5	21.2
2 21	11 6.60	+ 0 54.2	1.614	2.578	6.2	21.0
3 2	10 57.73	+ 1 53.6	1.592	2.580	2.1	20.7
3 12	10 48.67	+ 2 59.1	1.598	2.582	3.9	20.8
3 22	10 40.50	+ 4 3.1	1.632	2.584	8.2	21.1
4 1	10 34.14	+ 4 59.1	1.691	2.585	12.3	21.3
4 11	10 30.19	+ 5 42.1	1.772	2.586	15.7	21.6

166643 2002 SN_{56} 3 3.2 89.°98 0.°9/ 2.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 15.80	+ 6 15.1	2.137	2.990	11.2	19.6
2 11	11 11.06	+ 7 16.9	2.073	2.998	7.9	19.4
2 21	11 4.75	+ 8 28.1	2.034	3.007	4.1	19.2
3 2	10 57.52	+ 9 42.9	2.025	3.015	0.9	19.0
3 12	10 50.20	+10 54.6	2.045	3.023	4.0	19.2
3 22	10 43.62	+11 57.2	2.093	3.031	7.7	19.5
4 1	10 38.45	+12 46.6	2.168	3.039	10.9	19.7
4 11	10 35.17	+13 20.4	2.265	3.047	13.7	19.9

164060 2003 WV_{16} 3 3.2 148.°24 0.°1/ 3.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 18.04	+ 4 21.5	2.231	3.073	11.2	21.0
2 11	11 12.61	+ 4 50.8	2.159	3.077	8.0	20.8
2 21	11 5.59	+ 5 29.7	2.112	3.081	4.4	20.6
3 2	10 57.62	+ 6 14.2	2.094	3.085	0.5	20.3
3 12	10 49.55	+ 6 59.1	2.107	3.089	3.4	20.5
3 22	10 42.18	+ 7 39.6	2.148	3.092	7.1	20.7
4 1	10 36.22	+ 8 11.7	2.215	3.096	10.4	20.9
4 11	10 32.16	+ 8 32.8	2.306	3.098	13.2	21.1

173712 2001 QD_{130} 3 3.2 125.°39 5.°2/ 8.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 20.51	−12 12.7	2.673	3.426	12.0	20.2
2 11	11 14.17	−12 43.9	2.595	3.439	9.8	20.1
2 21	11 6.38	−12 58.6	2.542	3.452	7.5	20.0
3 2	10 57.71	−12 56.6	2.517	3.464	5.7	19.9
3 12	10 48.93	−12 39.7	2.521	3.476	5.3	19.8
3 22	10 40.75	−12 11.4	2.554	3.488	6.7	20.0
4 1	10 33.85	−11 36.2	2.615	3.499	8.8	20.1
4 11	10 28.67	−10 59.0	2.700	3.510	11.0	20.3

121300 1999 RM_{202} 3 3.2 158.°35 1.°5/ 4.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 21.02	+ 1 15.1	2.160	2.988	12.1	19.6
2 11	11 14.77	+ 1 14.4	2.083	2.991	8.9	19.4
2 21	11 6.79	+ 1 24.9	2.032	2.994	5.3	19.2
3 2	10 57.77	+ 1 43.9	2.010	2.997	1.9	18.9
3 12	10 48.60	+ 2 7.6	2.017	3.000	3.4	19.0
3 22	10 40.18	+ 2 31.7	2.054	3.003	7.0	19.3
4 1	10 33.29	+ 2 52.1	2.117	3.005	10.4	19.5
4 11	10 28.45	+ 3 5.5	2.204	3.007	13.4	19.7

468122 2014 TK_{11} 3 3.2 39.°01 6.°8/ 9.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 16.22	−12 40.7	1.352	2.156	19.2	20.4
2 11	11 11.97	−12 34.0	1.300	2.177	15.5	20.2
2 21	11 5.44	−11 54.3	1.267	2.199	11.4	20.0
3 2	10 57.61	−10 43.6	1.257	2.221	7.9	19.9
3 12	10 49.78	− 9 9.7	1.272	2.244	7.0	19.9
3 22	10 43.15	− 7 23.9	1.312	2.268	9.3	20.1
4 1	10 38.67	− 5 38.3	1.376	2.293	12.9	20.4
4 11	10 36.87	− 4 3.2	1.462	2.317	16.3	20.6

135161 2001 QN_{241} 3 3.2 49.°31 0.°8/ 2.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 19.73	+ 8 19.7	2.062	2.915	11.6	18.9
2 11	11 13.87	+ 8 33.2	1.996	2.921	8.2	18.7
2 21	11 6.29	+ 8 52.8	1.956	2.928	4.4	18.5
3 2	10 57.71	+ 9 14.4	1.944	2.935	0.8	18.2
3 12	10 49.07	+ 9 33.3	1.962	2.941	3.9	18.5
3 22	10 41.26	+ 9 45.7	2.008	2.949	7.7	18.7
4 1	10 35.04	+ 9 49.0	2.079	2.956	11.1	18.9
4 11	10 30.89	+ 9 41.6	2.173	2.963	14.0	19.1

240328 2003 MJ_{10} 3 3.2 193.°93 2.°5/29.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 22.49	+11 47.9	2.085	2.940	11.4	21.2
2 11	11 15.93	+12 40.3	2.011	2.937	8.0	21.0
2 21	11 7.48	+13 37.7	1.963	2.934	4.4	20.8
3 2	10 57.85	+14 33.8	1.945	2.930	2.5	20.7
3 12	10 48.04	+15 21.9	1.957	2.926	5.3	20.8
3 22	10 39.02	+15 57.4	1.997	2.920	8.9	21.0
4 1	10 31.65	+16 17.2	2.063	2.913	12.3	21.2
4 11	10 26.50	+16 20.7	2.151	2.906	15.1	21.4

187874 2000 QH_{91} 3 3.2 235.°73 1.°2/ 4.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 19.01	+ 0 31.0	2.380	3.204	11.2	21.5
2 11	11 13.38	+ 0 58.0	2.281	3.188	8.3	21.3
2 21	11 6.08	+ 1 37.6	2.209	3.172	4.9	21.0
3 2	10 57.70	+ 2 26.9	2.166	3.154	1.6	20.8
3 12	10 49.03	+ 3 21.1	2.153	3.136	3.2	20.9
3 22	10 40.88	+ 4 14.9	2.170	3.118	6.8	21.1
4 1	10 34.01	+ 5 3.4	2.215	3.098	10.2	21.2
4 11	10 29.01	+ 5 42.7	2.283	3.078	13.2	21.4

34398 Terryschmidt 3 3.2 106.°00 1.°9/ 1.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 18.63	+ 9 30.2	1.901	2.761	12.0	18.4
2 11	11 13.22	+10 25.6	1.840	2.769	8.4	18.2
2 21	11 5.98	+11 28.2	1.804	2.777	4.5	18.0
3 2	10 57.68	+12 31.3	1.797	2.785	1.9	17.8
3 12	10 49.30	+13 27.8	1.819	2.793	5.0	18.0
3 22	10 41.80	+14 12.2	1.868	2.801	8.8	18.3
4 1	10 35.98	+14 41.2	1.943	2.808	12.3	18.5
4 11	10 32.35	+14 53.4	2.038	2.816	15.2	18.7

388347 2006 TH_{101} 3 3.2 102.°03 3.°3/ 7.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 15.57	− 6 42.4	2.489	3.286	11.6	21.1
2 11	11 10.75	− 6 28.8	2.414	3.295	9.0	20.9
2 21	11 4.54	− 5 59.3	2.363	3.305	6.2	20.7
3 2	10 57.53	− 5 16.2	2.339	3.314	3.7	20.6
3 12	10 50.42	− 4 23.1	2.345	3.322	3.7	20.6
3 22	10 43.92	− 3 25.2	2.380	3.331	6.0	20.8
4 1	10 38.64	− 2 27.6	2.443	3.340	8.8	21.0
4 11	10 35.01	− 1 35.0	2.530	3.349	11.4	21.1

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
381174 2007 JT_6			3 3.2	184.°85	1.°2/ 4.6	17
2 1	11 17.71	+ 0 19.0	2.553	3.376	10.6	22.3
2 11	11 12.26	+ 0 48.1	2.470	3.376	7.8	22.2
2 21	11 5.38	+ 1 28.8	2.413	3.375	4.6	22.0
3 2	10 57.63	+ 2 17.8	2.386	3.374	1.5	21.7
3 12	10 49.73	+ 3 10.7	2.390	3.373	2.9	21.8
3 22	10 42.41	+ 4 2.8	2.423	3.371	6.2	22.0
4 1	10 36.30	+ 4 49.6	2.484	3.368	9.2	22.2
4 11	10 31.88	+ 5 27.8	2.570	3.365	11.9	22.4
342983 2009 BN_{46}			3 3.2	122.°32	0.°9/ 2.1	17
2 1	11 14.82	+ 5 57.3	2.273	3.124	10.7	21.1
2 11	11 10.35	+ 7 5.9	2.201	3.126	7.5	20.9
2 21	11 4.38	+ 8 24.3	2.156	3.129	4.0	20.7
3 2	10 57.52	+ 9 46.9	2.140	3.131	0.9	20.5
3 12	10 50.53	+11 6.9	2.155	3.133	3.9	20.7
3 22	10 44.17	+12 18.2	2.198	3.135	7.4	20.9
4 1	10 39.13	+13 16.4	2.268	3.137	10.6	21.1
4 11	10 35.86	+13 59.0	2.360	3.139	13.3	21.3
427411 1999 VF_{42}			3 3.2	43.°11	1.°7/ 4.8	18
2 1	11 17.88	− 0 1.1	1.834	2.671	13.5	20.8
2 11	11 12.78	+ 0 15.7	1.763	2.675	10.0	20.6
2 21	11 5.80	+ 0 47.6	1.716	2.680	6.0	20.4
3 2	10 57.68	+ 1 31.1	1.696	2.684	2.2	20.1
3 12	10 49.42	+ 2 20.4	1.705	2.689	3.7	20.3
3 22	10 41.99	+ 3 9.4	1.741	2.694	7.7	20.5
4 1	10 36.24	+ 3 52.2	1.802	2.699	11.5	20.7
4 11	10 32.71	+ 4 24.6	1.886	2.704	14.7	21.0
3852 Glennford			3 3.2	125.°36	0.°5/ 3.8	18
2 1	11 16.84	+ 2 51.9	2.651	3.483	10.0	17.7
2 11	11 11.53	+ 3 22.2	2.584	3.497	7.1	17.5
2 21	11 4.92	+ 4 1.4	2.543	3.509	4.0	17.3
3 2	10 57.58	+ 4 46.2	2.531	3.522	0.8	17.1
3 12	10 50.19	+ 5 32.1	2.551	3.534	2.8	17.3
3 22	10 43.41	+ 6 15.2	2.600	3.545	6.0	17.5
4 1	10 37.81	+ 6 51.8	2.677	3.557	8.8	17.7
4 11	10 33.80	+ 7 19.3	2.778	3.567	11.2	17.9
214202 2005 EU_{50}			3 3.2	311.°93	0.°3/ 3.4	18
2 1	11 21.59	+ 4 56.4	1.482	2.339	15.0	20.2
2 11	11 15.89	+ 5 5.2	1.407	2.332	10.9	20.0
2 21	11 7.70	+ 5 26.5	1.355	2.326	6.0	19.7
3 2	10 57.91	+ 5 55.7	1.330	2.320	0.8	19.3
3 12	10 47.81	+ 6 26.2	1.331	2.315	4.6	19.5
3 22	10 38.74	+ 6 51.9	1.359	2.309	9.7	19.8
4 1	10 31.83	+ 7 7.5	1.410	2.304	14.2	20.1
4 11	10 27.76	+ 7 10.1	1.481	2.299	18.1	20.3
452720 2005 YJ_{199}			3 3.2	7.°99	3.°0/ 1.6	15
2 1	11 17.30	+10 56.5	0.883	1.782	18.5	19.9
2 11	11 13.66	+11 20.4	0.836	1.783	13.1	19.6
2 21	11 6.72	+11 53.8	0.808	1.786	7.1	19.3
3 2	10 57.79	+12 26.6	0.801	1.790	3.0	19.1
3 12	10 48.77	+12 48.2	0.816	1.797	7.6	19.4
3 22	10 41.46	+12 51.6	0.852	1.806	13.4	19.7
4 1	10 37.18	+12 33.8	0.907	1.816	18.6	20.0
4 11	10 36.53	+11 55.3	0.978	1.828	22.8	20.3
437039 2012 TR_{312}			3 3.2	138.°43	4.°4/27.1	17
2 1	11 19.22	+20 40.8	2.495	3.356	9.5	21.2
2 11	11 13.32	+21 32.8	2.439	3.362	7.0	21.1
2 21	11 5.93	+22 21.6	2.410	3.369	4.9	21.0
3 2	10 57.69	+23 1.7	2.411	3.375	4.6	21.0
3 12	10 49.43	+23 28.4	2.441	3.381	6.4	21.1
3 22	10 41.91	+23 39.2	2.498	3.387	8.9	21.2
4 1	10 35.80	+23 33.4	2.580	3.392	11.3	21.4
4 11	10 31.53	+23 12.2	2.683	3.397	13.4	21.6
183396 2002 XZ_{76}			3 3.2	105.°59	4.°9/26.8	18
2 1	11 19.16	+21 1.4	2.281	3.146	10.1	20.2
2 11	11 13.38	+22 1.1	2.230	3.155	7.5	20.1
2 21	11 5.99	+22 57.4	2.206	3.164	5.3	20.0
3 2	10 57.70	+23 43.6	2.211	3.173	5.1	20.0
3 12	10 49.40	+24 14.7	2.244	3.182	7.0	20.1
3 22	10 41.92	+24 28.0	2.304	3.191	9.6	20.3
4 1	10 35.98	+24 22.9	2.388	3.200	12.1	20.4
4 11	10 32.01	+24 0.8	2.492	3.208	14.2	20.6
233906 2009 CT_{38}			3 3.2	326.°53	0.°4/ 2.9	17
2 1	11 19.06	+ 6 54.5	2.035	2.886	11.8	20.4
2 11	11 13.53	+ 7 5.8	1.957	2.881	8.4	20.1
2 21	11 6.19	+ 7 24.8	1.905	2.876	4.5	19.9
3 2	10 57.74	+ 7 47.5	1.881	2.872	0.5	19.6
3 12	10 49.11	+ 8 9.3	1.885	2.867	3.8	19.8
3 22	10 41.23	+ 8 25.8	1.918	2.863	7.8	20.1
4 1	10 34.91	+ 8 33.8	1.977	2.859	11.4	20.3
4 11	10 30.69	+ 8 31.2	2.058	2.855	14.4	20.5

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
519537 2012 KS_{52}			3 3.2	119.°39	2.°9/28.8	18
2 1	11 18.56	+13 19.9	2.326	3.185	10.2	21.8
2 11	11 12.88	+14 30.7	2.274	3.202	7.1	21.6
2 21	11 5.70	+15 44.1	2.249	3.220	4.1	21.5
3 2	10 57.68	+16 53.7	2.255	3.236	3.0	21.4
3 12	10 49.65	+17 53.4	2.291	3.252	5.3	21.6
3 22	10 42.39	+18 39.1	2.355	3.268	8.3	21.8
4 1	10 36.55	+19 8.6	2.444	3.282	11.0	22.0
4 11	10 32.58	+19 21.6	2.556	3.297	13.3	22.2
58333 1994 UL_1			3 3.2	113.°32	0.°4/ 2.9	18
2 1	11 24.42	+ 5 35.5	1.706	2.553	13.9	19.9
2 11	11 17.36	+ 6 13.3	1.653	2.575	9.8	19.7
2 21	11 8.22	+ 7 1.7	1.625	2.596	5.2	19.5
3 2	10 57.96	+ 7 54.6	1.626	2.617	0.6	19.2
3 12	10 47.75	+ 8 44.7	1.656	2.636	4.4	19.5
3 22	10 38.71	+ 9 26.2	1.713	2.655	8.7	19.8
4 1	10 31.69	+ 9 55.1	1.797	2.674	12.6	20.1
4 11	10 27.21	+10 9.4	1.901	2.691	15.7	20.3
424653 2008 QK_{21}			3 3.2	224.°37	3.°2/ 6.5	17
2 1	11 18.35	− 5 6.8	2.236	3.041	12.5	21.1
2 11	11 12.97	− 5 0.1	2.145	3.034	9.6	20.9
2 21	11 5.89	− 4 37.0	2.079	3.026	6.5	20.7
3 2	10 57.72	− 3 59.3	2.040	3.018	3.7	20.5
3 12	10 49.30	− 3 10.9	2.030	3.009	3.9	20.5
3 22	10 41.48	− 2 17.1	2.049	3.001	6.9	20.7
4 1	10 35.04	− 1 23.5	2.096	2.991	10.2	20.8
4 11	10 30.54	− 0 35.4	2.166	2.982	13.1	21.0
193878 2001 QT_{178}			3 3.2	125.°02	0.°0/ 3.1	18
2 1	11 22.54	+ 3 26.8	1.793	2.634	13.5	20.8
2 11	11 16.01	+ 4 18.0	1.735	2.653	9.6	20.5
2 21	11 7.50	+ 5 22.1	1.702	2.672	5.2	20.3
3 2	10 57.89	+ 6 33.0	1.698	2.689	0.6	20.0
3 12	10 48.27	+ 7 42.8	1.724	2.706	4.0	20.3
3 22	10 39.68	+ 8 44.8	1.778	2.722	8.4	20.6
4 1	10 32.97	+ 9 33.8	1.859	2.737	12.1	20.9
4 11	10 28.65	+10 7.2	1.960	2.751	15.2	21.1
226744 2004 RA_{19}			3 3.2	84.°97	3.°0/ 6.2	18
2 1	11 18.08	− 4 24.1	1.893	2.711	13.9	20.5
2 11	11 12.83	− 4 4.6	1.828	2.725	10.6	20.4
2 21	11 5.79	− 3 26.6	1.786	2.739	6.8	20.2
3 2	10 57.70	− 2 33.2	1.771	2.752	3.5	20.0
3 12	10 49.54	− 1 30.3	1.784	2.766	3.9	20.0
3 22	10 42.24	− 0 24.7	1.825	2.779	7.3	20.3
4 1	10 36.59	+ 0 37.0	1.893	2.793	10.9	20.5
4 11	10 33.08	+ 1 29.4	1.984	2.806	13.9	20.7
378948 2008 UP_{176}			3 3.2	149.°97	0.°3/ 2.9	17
2 1	11 18.45	+ 5 47.2	2.320	3.163	10.8	21.7
2 11	11 12.86	+ 6 20.2	2.249	3.170	7.6	21.5
2 21	11 5.73	+ 7 1.4	2.205	3.175	4.1	21.3
3 2	10 57.70	+ 7 46.6	2.190	3.181	0.5	21.0
3 12	10 49.57	+ 8 30.7	2.205	3.186	3.4	21.3
3 22	10 42.14	+ 9 9.2	2.249	3.191	7.0	21.5
4 1	10 36.09	+ 9 38.5	2.321	3.195	10.2	21.7
4 11	10 31.88	+ 9 56.5	2.414	3.199	12.9	21.9
319007 2005 UN_{479}			3 3.2	161.°75	15.°3/23.5	16
2 1	11 42.25	+39 19.6	1.224	2.062	18.8	20.1
2 11	11 31.31	+40 43.3	1.188	2.067	16.5	19.9
2 21	11 16.18	+41 36.3	1.173	2.070	15.3	19.9
3 2	10 58.84	+41 42.8	1.179	2.073	15.7	19.9
3 12	10 42.00	+40 56.6	1.208	2.076	17.6	20.0
3 22	10 28.00	+39 22.4	1.257	2.078	20.1	20.2
4 1	10 18.27	+37 11.7	1.323	2.079	22.7	20.4
4 11	10 13.15	+34 37.5	1.404	2.080	25.0	20.6
303296 2004 ST_{14}			3 3.2	185.°91	4.°2/28.4	18
2 1	11 23.50	+15 51.2	1.847	2.710	12.2	21.5
2 11	11 16.85	+16 57.4	1.782	2.710	8.7	21.3
2 21	11 8.06	+18 5.5	1.742	2.710	5.4	21.1
3 2	10 57.97	+19 7.2	1.731	2.709	4.4	21.0
3 12	10 47.72	+19 54.9	1.749	2.707	7.0	21.2
3 22	10 38.43	+20 23.8	1.795	2.704	10.6	21.4
4 1	10 31.06	+20 32.0	1.864	2.701	14.0	21.6
4 11	10 26.19	+20 20.6	1.953	2.696	16.8	21.8
405343 2003 UP_{340}			3 3.2	135.°16	0.°5/ 2.8	18
2 1	11 21.89	+ 5 47.4	1.925	2.771	12.6	22.7
2 11	11 15.49	+ 6 28.4	1.863	2.784	8.9	22.5
2 21	11 7.21	+ 7 19.2	1.826	2.797	4.8	22.2
3 2	10 57.87	+ 8 14.4	1.819	2.809	0.6	22.0
3 12	10 48.48	+ 9 7.2	1.841	2.821	4.1	22.2
3 22	10 40.01	+ 9 52.2	1.891	2.832	8.2	22.5
4 1	10 33.30	+10 25.1	1.968	2.842	11.7	22.8
4 11	10 28.84	+10 44.1	2.066	2.852	14.7	23.0

194423 2001 VC_{62} 3 3.2 51.°73 4.°7/29.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 24.42	+15 21.8	1.234	2.113	15.8	19.8
2 11	11 18.01	+16 6.7	1.188	2.125	11.2	19.6
2 21	11 8.80	+16 52.8	1.165	2.137	6.7	19.4
3 2	10 58.05	+17 30.4	1.167	2.149	4.8	19.3
3 12	10 47.38	+17 50.9	1.195	2.162	8.1	19.5
3 22	10 38.30	+17 50.0	1.246	2.175	12.6	19.8
4 1	10 31.92	+17 27.6	1.320	2.189	16.7	20.1
4 11	10 28.76	+16 45.9	1.411	2.203	20.1	20.4

235609 2004 PQ_{81} 3 3.2 246.°34 0.°9/ 2.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 19.96	+ 5 10.8	1.614	2.470	14.0	21.0
2 11	11 14.69	+ 6 13.1	1.531	2.457	10.0	20.7
2 21	11 7.07	+ 7 31.1	1.471	2.444	5.4	20.4
3 2	10 57.88	+ 8 57.8	1.439	2.430	0.9	20.1
3 12	10 48.29	+10 23.6	1.436	2.416	5.0	20.3
3 22	10 39.53	+11 39.4	1.459	2.401	10.0	20.6
4 1	10 32.69	+12 38.4	1.507	2.386	14.4	20.8
4 11	10 28.51	+13 17.0	1.574	2.370	18.1	21.0

458526 2011 CR_{106} 3 3.2 267.°95 0.°9/ 2.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 17.11	+ 6 0.7	1.893	2.748	12.3	21.3
2 11	11 12.30	+ 6 54.9	1.815	2.741	8.7	21.1
2 21	11 5.60	+ 8 0.7	1.762	2.735	4.7	20.8
3 2	10 57.71	+ 9 12.0	1.737	2.728	0.9	20.5
3 12	10 49.59	+10 21.6	1.742	2.721	4.4	20.8
3 22	10 42.22	+11 22.4	1.774	2.714	8.6	21.0
4 1	10 36.45	+12 9.5	1.831	2.708	12.3	21.2
4 11	10 32.86	+12 39.9	1.909	2.701	15.5	21.4

470037 2006 SB_{58} 3 3.2 185.°12 3.°4/ 7.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 15.79	− 7 50.8	2.709	3.495	11.1	22.4
2 11	11 10.88	− 7 35.4	2.621	3.495	8.7	22.2
2 21	11 4.65	− 7 4.4	2.557	3.494	6.1	22.0
3 2	10 57.60	− 6 19.5	2.522	3.493	3.8	21.9
3 12	10 50.41	− 5 24.1	2.517	3.492	3.7	21.9
3 22	10 43.73	− 4 22.9	2.541	3.491	5.8	22.0
4 1	10 38.16	− 3 21.0	2.594	3.489	8.5	22.2
4 11	10 34.16	− 2 23.1	2.671	3.487	10.9	22.3

84635 2002 VD_{54} 3 3.2 325.°30 1.°3/ 2.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 19.01	+ 7 30.7	1.593	2.456	13.8	19.6
2 11	11 13.89	+ 8 15.8	1.523	2.454	9.8	19.3
2 21	11 6.55	+ 9 12.0	1.477	2.451	5.2	19.0
3 2	10 57.82	+10 12.3	1.458	2.448	1.3	18.7
3 12	10 48.88	+11 8.6	1.467	2.446	5.1	19.0
3 22	10 40.89	+11 54.0	1.502	2.444	9.7	19.3
4 1	10 34.86	+12 23.7	1.561	2.442	13.9	19.5
4 11	10 31.40	+12 35.6	1.639	2.440	17.3	19.7

377684 2005 VE_{32} 3 3.2 209.°50 7.°2/10.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 17.44	−15 45.2	1.936	2.695	15.8	20.8
2 11	11 12.58	−15 59.0	1.852	2.694	13.2	20.7
2 21	11 5.77	−15 46.7	1.789	2.693	10.4	20.5
3 2	10 57.74	−15 7.6	1.750	2.693	8.1	20.3
3 12	10 49.44	−14 4.8	1.736	2.692	7.3	20.3
3 22	10 41.88	−12 44.7	1.750	2.691	8.7	20.4
4 1	10 35.94	−11 15.5	1.790	2.690	11.3	20.5
4 11	10 32.23	− 9 46.5	1.852	2.689	14.2	20.7

501602 2014 QS_{322} 3 3.2 228.°03 0.°8/ 2.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 20.96	+ 6 8.7	1.866	2.716	12.7	22.3
2 11	11 15.13	+ 6 56.8	1.782	2.705	9.1	22.0
2 21	11 7.20	+ 7 56.5	1.722	2.694	4.9	21.7
3 2	10 57.90	+ 9 2.1	1.691	2.682	0.9	21.4
3 12	10 48.28	+10 6.1	1.689	2.669	4.5	21.7
3 22	10 39.42	+11 1.7	1.716	2.655	8.9	21.9
4 1	10 32.27	+11 43.8	1.768	2.641	12.9	22.1
4 11	10 27.49	+12 9.5	1.841	2.626	16.3	22.3

468594 2007 TX_{369} 3 3.2 94.°64 7.°5/23.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 22.35	+30 51.1	2.286	3.137	10.6	20.9
2 11	11 15.67	+31 56.4	2.251	3.151	8.7	20.7
2 21	11 7.24	+32 50.0	2.241	3.165	7.6	20.7
3 2	10 57.89	+33 25.1	2.259	3.178	7.9	20.7
3 12	10 48.63	+33 37.4	2.304	3.192	9.4	20.9
3 22	10 40.40	+33 26.1	2.373	3.205	11.4	21.0
4 1	10 33.93	+32 52.9	2.465	3.218	13.4	21.2
4 11	10 29.66	+32 1.3	2.575	3.231	15.1	21.3

246837 Bethfabinsky 3 3.2 291.°79 4.°1/ 7.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 16.85	− 7 5.0	2.179	2.979	13.0	20.1
2 11	11 12.03	− 7 11.8	2.081	2.962	10.2	19.9
2 21	11 5.45	− 7 1.2	2.006	2.946	7.2	19.7
3 2	10 57.72	− 6 33.8	1.958	2.930	4.6	19.5
3 12	10 49.66	− 5 52.8	1.939	2.914	4.6	19.5
3 22	10 42.15	− 5 3.2	1.947	2.898	7.2	19.6
4 1	10 36.00	− 4 10.7	1.982	2.882	10.4	19.7
4 11	10 31.82	− 3 21.5	2.040	2.866	13.5	19.9

50378 2000 CV_{88} 3 3.2 269.°72 2.°3/29.5 18 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 16.07	+10 32.5	2.194	3.055	10.6	18.7
2 11	11 11.43	+11 43.8	2.110	3.040	7.5	18.5
2 21	11 5.10	+13 2.7	2.052	3.025	4.1	18.2
3 2	10 57.68	+14 22.8	2.024	3.010	2.4	18.1
3 12	10 50.00	+15 36.8	2.025	2.994	5.1	18.2
3 22	10 42.92	+16 38.8	2.055	2.979	8.7	18.4
4 1	10 37.21	+17 24.6	2.110	2.963	11.9	18.6
4 11	10 33.43	+17 52.4	2.186	2.947	14.7	18.8

14918 1994 BP_4 3 3.2 330.°59 2.°3/29.8 18 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 14.25	+ 9 9.0	1.765	2.635	12.3	17.1
2 11	11 10.41	+10 25.5	1.689	2.623	8.6	16.8
2 21	11 4.64	+11 52.7	1.638	2.612	4.7	16.6
3 2	10 57.63	+13 22.8	1.614	2.602	2.4	16.4
3 12	10 50.37	+14 46.6	1.619	2.591	5.7	16.6
3 22	10 43.85	+15 56.4	1.650	2.582	9.8	16.8
4 1	10 38.97	+16 47.0	1.705	2.573	13.6	17.0
4 11	10 36.34	+17 16.3	1.779	2.565	16.8	17.2

173066 2006 SY_{127} 3 3.2 146.°77 5.°3/ 9.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 18.00	−13 14.3	2.694	3.445	12.0	20.3
2 11	11 12.47	−13 35.0	2.611	3.451	9.9	20.1
2 21	11 5.53	−13 38.4	2.551	3.457	7.6	20.0
3 2	10 57.73	−13 24.6	2.518	3.463	5.8	19.9
3 12	10 49.77	−12 55.5	2.513	3.468	5.3	19.8
3 22	10 42.37	−12 14.8	2.537	3.473	6.6	19.9
4 1	10 36.16	−11 27.5	2.589	3.478	8.7	20.1
4 11	10 31.60	−10 38.6	2.665	3.482	10.9	20.2

327277 2005 SJ_{247} 3 3.2 170.°09 2.°4/ 5.7 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 17.82	− 3 10.9	1.998	2.819	13.2	21.3
2 11	11 12.68	− 2 40.1	1.920	2.821	9.9	21.1
2 21	11 5.77	− 1 51.6	1.866	2.822	6.3	20.9
3 2	10 57.76	− 0 48.9	1.839	2.824	2.9	20.7
3 12	10 49.57	+ 0 22.2	1.842	2.825	3.6	20.7
3 22	10 42.12	+ 1 34.6	1.873	2.826	7.3	20.9
4 1	10 36.21	+ 2 41.9	1.931	2.826	10.9	21.2
4 11	10 32.38	+ 3 38.7	2.011	2.827	14.0	21.4

33554 1999 JU_{17} 3 3.2 230.°28 1.°7/ 5.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 16.29	− 1 33.7	2.888	3.701	9.8	19.5
2 11	11 11.22	− 1 13.2	2.790	3.688	7.3	19.3
2 21	11 4.85	− 0 41.5	2.719	3.675	4.5	19.1
3 2	10 57.66	− 0 0.6	2.677	3.662	2.0	18.9
3 12	10 50.27	+ 0 45.8	2.666	3.648	2.7	18.9
3 22	10 43.32	+ 1 33.7	2.685	3.634	5.6	19.1
4 1	10 37.39	+ 2 19.1	2.732	3.619	8.4	19.3
4 11	10 32.94	+ 2 58.4	2.804	3.604	10.9	19.4

473742 2016 EV_4 3 3.2 353.°29 3.°0/ 1.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 19.35	+11 50.8	1.345	2.223	14.8	20.8
2 11	11 14.44	+12 25.9	1.282	2.219	10.5	20.5
2 21	11 6.97	+13 7.4	1.241	2.215	5.8	20.3
3 2	10 57.90	+13 47.4	1.225	2.212	3.0	20.1
3 12	10 48.64	+14 17.5	1.235	2.210	6.6	20.3
3 22	10 40.54	+14 31.8	1.269	2.209	11.4	20.5
4 1	10 34.74	+14 27.2	1.326	2.209	15.7	20.8
4 11	10 31.89	+14 3.7	1.401	2.209	19.4	21.0

42366 2002 CL_{125} 3 3.2 118.°87 1.°0/ 4.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 22.27	+ 0 51.1	1.810	2.644	13.8	19.8
2 11	11 15.81	+ 1 30.8	1.752	2.664	10.0	19.6
2 21	11 7.42	+ 2 25.4	1.718	2.683	5.7	19.4
3 2	10 57.95	+ 3 29.7	1.712	2.702	1.5	19.1
3 12	10 48.47	+ 4 36.6	1.736	2.720	3.7	19.3
3 22	10 40.00	+ 5 39.0	1.789	2.737	7.9	19.6
4 1	10 33.38	+ 6 31.5	1.868	2.754	11.7	19.9
4 11	10 29.11	+ 7 10.3	1.969	2.769	14.8	20.1

465424 2008 PW_6 3 3.2 219.°43 5.°2/ 8.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 17.96	−12 9.6	2.373	3.138	13.1	21.8
2 11	11 12.68	−12 10.7	2.277	3.130	10.6	21.6
2 21	11 5.76	−11 51.8	2.204	3.122	8.0	21.5
3 2	10 57.78	−11 13.2	2.157	3.113	5.8	21.3
3 12	10 49.53	−10 17.8	2.139	3.104	5.3	21.2
3 22	10 41.84	− 9 10.8	2.150	3.094	7.1	21.3
4 1	10 35.45	− 7 58.5	2.188	3.083	9.8	21.5
4 11	10 30.92	− 6 47.4	2.250	3.072	12.5	21.6

71314 2000 AW_{76} 3 3.2 97.°97 1.°0/ 2.2 18 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 17.60	+ 7 14.2	2.009	2.864	11.7	18.8
2 11	11 12.48	+ 8 0.8	1.942	2.869	8.3	18.6
2 21	11 5.63	+ 8 56.1	1.901	2.873	4.4	18.4
3 2	10 57.76	+ 9 54.6	1.888	2.878	1.0	18.1
3 12	10 49.78	+10 49.8	1.904	2.883	4.2	18.4
3 22	10 42.58	+11 36.1	1.948	2.887	8.1	18.6
4 1	10 36.93	+12 9.7	2.018	2.892	11.5	18.8
4 11	10 33.33	+12 28.6	2.109	2.896	14.4	19.0

143833 2003 WB_{161} 3 3.2 280.°85 2.°4/ 1.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 20.11	+ 9 58.5	1.596	2.462	13.6	20.2
2 11	11 14.89	+10 51.8	1.512	2.444	9.7	19.9
2 21	11 7.24	+11 55.0	1.452	2.425	5.3	19.6
3 2	10 57.96	+13 0.7	1.419	2.407	2.5	19.3
3 12	10 48.25	+14 0.0	1.413	2.388	6.1	19.5
3 22	10 39.37	+14 45.3	1.434	2.369	10.7	19.7
4 1	10 32.46	+15 11.8	1.478	2.350	15.1	19.9
4 11	10 28.28	+15 17.8	1.542	2.331	18.7	20.1

432550 2010 JC_{45} 3 3.2 176.°69 1.°6/ 5.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 14.64	− 2 46.5	2.694	3.508	10.4	21.5
2 11	11 10.07	− 2 1.0	2.611	3.509	7.7	21.4
2 21	11 4.23	− 1 1.7	2.553	3.510	4.8	21.2
3 2	10 57.61	+ 0 7.9	2.525	3.510	2.0	21.0
3 12	10 50.86	+ 1 23.2	2.528	3.511	2.7	21.0
3 22	10 44.63	+ 2 38.7	2.560	3.511	5.7	21.2
4 1	10 39.50	+ 3 49.4	2.621	3.511	8.6	21.4
4 11	10 35.88	+ 4 51.1	2.707	3.510	11.2	21.6

258394 2001 XA_{88} 3 3.2 59.°72 3.°1/29.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 19.68	+11 48.6	1.588	2.458	13.4	20.0
2 11	11 14.15	+12 53.1	1.544	2.478	9.3	19.8
2 21	11 6.57	+14 2.5	1.525	2.498	5.2	19.6
3 2	10 57.86	+15 8.4	1.533	2.518	3.2	19.5
3 12	10 49.23	+16 2.6	1.569	2.539	6.2	19.8
3 22	10 41.75	+16 39.7	1.631	2.559	10.2	20.1
4 1	10 36.29	+16 57.3	1.717	2.580	13.7	20.3
4 11	10 33.30	+16 55.8	1.822	2.601	16.7	20.6

397468 2007 HS_{73} 3 3.2 229.°64 4.°0/28.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 24.00	+15 1.4	1.786	2.649	12.6	22.3
2 11	11 17.43	+16 2.3	1.708	2.636	9.0	22.1
2 21	11 8.53	+17 6.9	1.655	2.624	5.4	21.8
3 2	10 58.11	+18 6.7	1.630	2.610	4.2	21.7
3 12	10 47.36	+18 53.8	1.634	2.596	7.0	21.9
3 22	10 37.50	+19 22.5	1.666	2.580	10.9	22.1
4 1	10 29.58	+19 30.4	1.721	2.564	14.7	22.2
4 11	10 24.30	+19 18.0	1.796	2.548	17.8	22.4

374515 2005 YM_{245} 3 3.3 195.°77 0.°0/ 3.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 20.07	+ 5 11.6	2.100	2.944	11.8	21.2
2 11	11 14.22	+ 5 32.3	2.023	2.942	8.4	21.0
2 21	11 6.60	+ 6 2.2	1.971	2.941	4.6	20.7
3 2	10 57.89	+ 6 37.4	1.948	2.939	0.5	20.4
3 12	10 49.01	+ 7 12.8	1.955	2.937	3.6	20.6
3 22	10 40.88	+ 7 43.7	1.990	2.934	7.5	20.9
4 1	10 34.27	+ 8 6.1	2.052	2.932	11.1	21.1
4 11	10 29.74	+ 8 17.7	2.136	2.929	14.1	21.3

233944 2009 WL_{45} 3 3.3 123.°15 2.°2/ 5.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 17.61	− 2 22.4	1.969	2.794	13.2	20.7
2 11	11 12.55	− 1 57.1	1.895	2.799	9.9	20.5
2 21	11 5.71	− 1 15.0	1.845	2.803	6.1	20.2
3 2	10 57.80	− 0 19.6	1.822	2.807	2.7	20.0
3 12	10 49.73	+ 0 43.4	1.827	2.811	3.6	20.1
3 22	10 42.42	+ 1 47.4	1.862	2.815	7.3	20.3
4 1	10 36.68	+ 2 46.2	1.922	2.819	10.9	20.6
4 11	10 33.02	+ 3 34.8	2.005	2.822	14.0	20.8

244727 2003 QX_{114} 3 3.3 259.°33 0.°1/ 3.4 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 21.65	+ 4 16.4	1.749	2.596	13.6	21.7
2 11	11 15.85	+ 4 45.4	1.655	2.576	9.9	21.4
2 21	11 7.74	+ 5 27.9	1.586	2.556	5.5	21.1
3 2	10 58.05	+ 6 19.2	1.544	2.535	0.7	20.7
3 12	10 47.88	+ 7 12.6	1.531	2.514	4.3	20.9
3 22	10 38.42	+ 8 1.1	1.546	2.492	9.1	21.1
4 1	10 30.76	+ 8 38.8	1.586	2.470	13.5	21.3
4 11	10 25.67	+ 9 2.0	1.646	2.447	17.3	21.5

425778 2011 CP_{51} 3 3.3 249.°18 2.°0/ 4.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 21.71	+ 0 11.1	2.100	2.925	12.5	21.1
2 11	11 15.52	+ 0 4.5	2.007	2.911	9.3	20.9
2 21	11 7.39	+ 0 9.9	1.938	2.898	5.7	20.6
3 2	10 58.00	+ 0 25.6	1.898	2.884	2.4	20.4
3 12	10 48.27	+ 0 47.8	1.887	2.870	3.6	20.4
3 22	10 39.19	+ 1 12.1	1.906	2.855	7.4	20.6
4 1	10 31.63	+ 1 34.1	1.951	2.840	11.1	20.8
4 11	10 26.23	+ 1 49.8	2.019	2.825	14.3	21.0

80213 1999 VS_{105} 3 3.3 229.°92 0.°6/ 3.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 22.53	+ 2 33.1	1.656	2.499	14.4	20.7
2 11	11 16.52	+ 3 7.9	1.570	2.488	10.5	20.4
2 21	11 8.10	+ 3 58.8	1.507	2.476	6.0	20.1
3 2	10 58.09	+ 5 0.9	1.472	2.463	1.1	19.8
3 12	10 47.65	+ 6 6.6	1.466	2.449	4.3	20.0
3 22	10 38.05	+ 7 8.0	1.487	2.435	9.3	20.2
4 1	10 30.39	+ 7 58.3	1.533	2.420	13.8	20.4
4 11	10 25.41	+ 8 33.1	1.600	2.404	17.6	20.6

88539 2001 QZ_{188} 3 3.3 36.°59 3.°0/29.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 15.83	+ 8 51.2	1.417	2.293	14.4	18.8
2 11	11 11.74	+10 35.4	1.364	2.302	10.0	18.5
2 21	11 5.42	+12 31.3	1.337	2.312	5.4	18.3
3 2	10 57.77	+14 27.5	1.335	2.322	3.1	18.2
3 12	10 50.03	+16 11.8	1.361	2.333	6.8	18.4
3 22	10 43.39	+17 34.8	1.413	2.344	11.2	18.7
4 1	10 38.79	+18 31.7	1.487	2.355	15.2	19.0
4 11	10 36.80	+19 1.6	1.580	2.367	18.4	19.2

244184 2001 XR_{205} 3 3.3 67.°66 2.°3/ 5.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 15.93	− 3 8.5	2.207	3.025	12.2	20.4
2 11	11 11.13	− 2 42.0	2.142	3.041	9.1	20.2
2 21	11 4.84	− 2 0.3	2.102	3.057	5.8	20.0
3 2	10 57.71	− 1 6.6	2.090	3.073	2.7	19.8
3 12	10 50.52	− 0 6.2	2.107	3.090	3.3	19.9
3 22	10 44.06	+ 0 55.2	2.153	3.106	6.4	20.1
4 1	10 38.97	+ 1 52.2	2.225	3.122	9.6	20.3
4 11	10 35.69	+ 2 40.5	2.322	3.138	12.4	20.6

158531 2002 GB_{52} 3 3.3 72.°49 2.°7/29.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 20.08	+12 5.2	1.797	2.662	12.4	20.0
2 11	11 14.33	+12 53.1	1.744	2.675	8.7	19.8
2 21	11 6.66	+13 45.1	1.716	2.689	4.8	19.6
3 2	10 57.91	+14 34.6	1.716	2.702	2.7	19.5
3 12	10 49.17	+15 14.7	1.745	2.715	5.6	19.7
3 22	10 41.43	+15 40.9	1.800	2.729	9.4	20.0
4 1	10 35.52	+15 50.9	1.880	2.742	12.8	20.2
4 11	10 31.92	+15 44.6	1.981	2.756	15.6	20.4

224467 2005 VL_{54} 3 3.3 269.°45 1.°6/ 1.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 18.60	+ 8 21.9	1.868	2.727	12.3	21.1
2 11	11 13.50	+ 9 15.2	1.782	2.711	8.7	20.8
2 21	11 6.37	+10 18.5	1.722	2.695	4.7	20.5
3 2	10 57.90	+11 25.5	1.690	2.679	1.6	20.3
3 12	10 49.10	+12 28.7	1.686	2.662	5.0	20.5
3 22	10 41.01	+13 21.4	1.710	2.646	9.2	20.7
4 1	10 34.57	+13 58.7	1.759	2.629	13.1	20.9
4 11	10 30.43	+14 18.3	1.828	2.612	16.4	21.1

298821 2004 RS_{73} 3 3.3 224.°26 1.°9/ 1.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 23.12	+ 9 17.8	1.664	2.523	13.5	21.0
2 11	11 16.86	+ 9 58.6	1.587	2.516	9.6	20.7
2 21	11 8.25	+10 48.1	1.535	2.508	5.2	20.5
3 2	10 58.12	+11 39.6	1.510	2.499	1.9	20.2
3 12	10 47.69	+12 25.4	1.514	2.491	5.4	20.4
3 22	10 38.20	+12 59.2	1.545	2.481	10.0	20.7
4 1	10 30.72	+13 17.1	1.600	2.472	14.1	20.9
4 11	10 25.91	+13 17.8	1.676	2.461	17.6	21.1

203481 2002 AG_{50} 3 3.3 108.°14 1.°1/ 4.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 22.56	+ 1 22.4	1.603	2.444	14.9	20.7
2 11	11 16.25	+ 1 51.3	1.545	2.461	10.8	20.5
2 21	11 7.77	+ 2 36.0	1.511	2.477	6.2	20.2
3 2	10 58.05	+ 3 31.3	1.503	2.493	1.6	20.0
3 12	10 48.30	+ 4 29.7	1.524	2.508	4.0	20.2
3 22	10 39.67	+ 5 24.0	1.573	2.523	8.6	20.5
4 1	10 33.09	+ 6 8.2	1.646	2.537	12.7	20.8
4 11	10 29.10	+ 6 38.6	1.741	2.551	16.1	21.0

386242 2008 AH_{72} 3 3.3 116.°64 5.°5/10.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 19.88	−15 1.8	2.880	3.612	11.7	21.9
2 11	11 13.70	−15 30.0	2.806	3.630	9.7	21.8
2 21	11 6.18	−15 41.2	2.756	3.648	7.7	21.7
3 2	10 57.87	−15 35.1	2.732	3.666	6.0	21.6
3 12	10 49.48	−15 13.5	2.738	3.683	5.5	21.6
3 22	10 41.67	−14 39.7	2.773	3.700	6.6	21.7
4 1	10 35.04	−13 58.2	2.835	3.716	8.4	21.8
4 11	10 30.02	−13 14.0	2.923	3.731	10.3	21.9

292658 2006 UQ_{54} 3 3.3 180.°91 3.°6/ 7.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 15.99	− 8 9.5	2.696	3.481	11.2	21.0
2 11	11 11.07	− 8 1.6	2.609	3.481	8.8	20.8
2 21	11 4.81	− 7 38.2	2.547	3.481	6.2	20.6
3 2	10 57.73	− 7 0.7	2.512	3.481	4.0	20.5
3 12	10 50.51	− 6 12.3	2.507	3.481	3.8	20.5
3 22	10 43.80	− 5 17.5	2.532	3.481	5.9	20.6
4 1	10 38.21	− 4 21.1	2.584	3.480	8.5	20.8
4 11	10 34.19	− 3 27.9	2.661	3.479	10.9	20.9

209912 2005 NY_{61} 3 3.3 250.°86 0.°0/ 3.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 16.57	+ 4 44.9	2.519	3.359	10.1	21.4
2 11	11 11.59	+ 5 16.2	2.429	3.348	7.3	21.2
2 21	11 5.14	+ 5 56.3	2.367	3.336	4.0	21.0
3 2	10 57.77	+ 6 41.8	2.333	3.324	0.4	20.6
3 12	10 50.21	+ 7 27.8	2.330	3.312	3.1	20.9
3 22	10 43.16	+ 8 10.1	2.356	3.299	6.6	21.1
4 1	10 37.30	+ 8 44.6	2.409	3.287	9.7	21.2
4 11	10 33.13	+ 9 8.8	2.485	3.274	12.4	21.4

500693 2012 VG_{95} 3 3.3 313.°30 7.°9/12.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 14.62	−19 26.4	2.149	2.879	15.3	20.4
2 11	11 10.55	−19 38.4	2.052	2.868	13.1	20.2
2 21	11 4.72	−19 24.2	1.975	2.857	10.8	20.0
3 2	10 57.74	−18 42.3	1.922	2.847	8.8	19.9
3 12	10 50.46	−17 34.8	1.895	2.836	7.9	19.8
3 22	10 43.77	−16 7.1	1.894	2.826	8.7	19.8
4 1	10 38.50	−14 27.0	1.919	2.816	10.8	19.9
4 11	10 35.23	−12 43.7	1.967	2.807	13.4	20.1

265595 2005 RV_{10} 3 3.3 146.°98 3.°9/ 7.1 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 21.51	− 6 44.3	2.238	3.030	12.9	21.5
2 11	11 15.15	− 6 53.2	2.162	3.040	10.1	21.3
2 21	11 7.09	− 6 45.5	2.110	3.049	7.0	21.2
3 2	10 58.01	− 6 22.4	2.086	3.058	4.4	21.0
3 12	10 48.79	− 5 47.3	2.091	3.066	4.4	21.0
3 22	10 40.30	− 5 5.1	2.126	3.073	6.9	21.2
4 1	10 33.31	− 4 21.0	2.188	3.080	9.9	21.4
4 11	10 28.32	− 3 40.4	2.273	3.087	12.7	21.6

183154 2002 SK_1 3 3.3 87.°84 0.°4/ 3.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 23.15	+ 3 51.4	1.743	2.586	13.8	20.9
2 11	11 16.44	+ 4 16.3	1.693	2.611	9.8	20.7
2 21	11 7.77	+ 4 52.7	1.668	2.637	5.4	20.5
3 2	10 58.07	+ 5 35.5	1.671	2.662	0.8	20.2
3 12	10 48.46	+ 6 18.4	1.703	2.686	3.9	20.5
3 22	10 39.97	+ 6 55.8	1.763	2.710	8.1	20.8
4 1	10 33.43	+ 7 23.3	1.849	2.734	11.9	21.0
4 11	10 29.29	+ 7 38.6	1.957	2.757	14.9	21.3

3027 Shavarsh 3 3.3 170.°40 0.°4/ 3.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 18.79	+ 2 44.8	2.413	3.245	10.8	18.4
2 11	11 13.13	+ 3 21.2	2.336	3.249	7.8	18.3
2 21	11 5.95	+ 4 8.0	2.286	3.253	4.4	18.0
3 2	10 57.88	+ 5 1.5	2.265	3.256	0.8	17.8
3 12	10 49.67	+ 5 56.5	2.275	3.258	3.1	18.0
3 22	10 42.11	+ 6 48.0	2.315	3.260	6.6	18.2
4 1	10 35.86	+ 7 31.8	2.382	3.261	9.8	18.4
4 11	10 31.40	+ 8 4.9	2.473	3.261	12.5	18.6

340596 2006 QE_{17} 3 3.3 178.°99 2.°2/29.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 15.98	+11 15.1	2.546	3.403	9.5	21.0
2 11	11 11.12	+12 22.0	2.476	3.404	6.6	20.8
2 21	11 4.85	+13 33.9	2.433	3.405	3.6	20.6
3 2	10 57.75	+14 45.0	2.420	3.405	2.2	20.5
3 12	10 50.53	+15 49.8	2.438	3.405	4.5	20.7
3 22	10 43.89	+16 43.5	2.484	3.405	7.5	20.9
4 1	10 38.45	+17 23.1	2.557	3.404	10.3	21.1
4 11	10 34.68	+17 47.5	2.652	3.403	12.7	21.2

24187 1999 XO_{18} 3 3.3 103.°67 2.°0/ 1.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 22.22	+ 9 14.1	1.738	2.596	13.1	19.0
2 11	11 15.85	+10 10.3	1.688	2.616	9.1	18.8
2 21	11 7.49	+11 13.7	1.663	2.636	4.9	18.6
3 2	10 58.05	+12 16.9	1.667	2.655	2.0	18.5
3 12	10 48.64	+13 12.5	1.699	2.674	5.2	18.7
3 22	10 40.33	+13 54.8	1.759	2.692	9.2	19.0
4 1	10 33.95	+14 20.6	1.844	2.710	12.8	19.2
4 11	10 29.99	+14 29.3	1.949	2.727	15.8	19.5

327330 2005 UU_{110} 3 3.3 202.°85 7.°0/24.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 23.67	+28 31.0	2.341	3.192	10.4	21.3
2 11	11 16.78	+29 42.8	2.282	3.188	8.4	21.2
2 21	11 8.01	+30 45.9	2.251	3.182	7.1	21.1
3 2	10 58.12	+31 32.9	2.247	3.176	7.4	21.1
3 12	10 48.11	+31 58.4	2.272	3.170	9.1	21.2
3 22	10 38.97	+32 0.3	2.322	3.163	11.3	21.3
4 1	10 31.52	+31 39.3	2.395	3.155	13.5	21.5
4 11	10 26.31	+30 58.4	2.486	3.146	15.5	21.6

149240 2002 RX_{207} 3 3.3 42.°08 2.°9/ 1.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 24.85	+11 28.2	1.241	2.115	16.2	19.9
2 11	11 18.53	+11 59.8	1.182	2.117	11.5	19.6
2 21	11 9.29	+12 38.1	1.145	2.119	6.3	19.3
3 2	10 58.28	+13 14.8	1.134	2.122	2.9	19.1
3 12	10 47.12	+13 41.0	1.148	2.124	6.8	19.3
3 22	10 37.38	+13 50.8	1.187	2.127	11.9	19.6
4 1	10 30.32	+13 41.8	1.248	2.130	16.6	19.9
4 11	10 26.58	+13 14.3	1.327	2.133	20.4	20.2

206997 2004 TC_{207} 3 3.3 58.°87 2.°7/ 1.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 21.59	+10 25.6	1.349	2.222	15.2	20.2
2 11	11 15.93	+11 17.2	1.296	2.231	10.7	20.0
2 21	11 7.75	+12 17.0	1.266	2.240	5.8	19.7
3 2	10 58.10	+13 16.0	1.262	2.250	2.7	19.6
3 12	10 48.40	+14 5.0	1.285	2.260	6.4	19.8
3 22	10 40.00	+14 37.3	1.332	2.270	11.1	20.1
4 1	10 33.97	+14 49.8	1.402	2.280	15.4	20.4
4 11	10 30.86	+14 42.2	1.491	2.290	18.8	20.6

492722 2014 QS_{59} 3 3.3 225.°71 0.°2/ 3.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 20.05	+ 3 32.1	1.737	2.584	13.6	22.2
2 11	11 14.64	+ 4 30.0	1.654	2.575	9.8	22.0
2 21	11 7.05	+ 5 43.9	1.596	2.566	5.4	21.7
3 2	10 58.03	+ 7 7.3	1.565	2.556	0.6	21.3
3 12	10 48.69	+ 8 31.8	1.564	2.546	4.4	21.6
3 22	10 40.13	+ 9 48.9	1.590	2.535	9.1	21.8
4 1	10 33.38	+10 51.8	1.642	2.523	13.3	22.1
4 11	10 29.09	+11 36.5	1.715	2.511	16.9	22.3

419356 2009 WO_{224} 3 3.3 114.°78 3.°0/ 6.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 18.24	− 4 5.1	1.995	2.811	13.4	20.8
2 11	11 13.01	− 3 54.8	1.919	2.815	10.2	20.6
2 21	11 6.00	− 3 27.3	1.868	2.820	6.7	20.4
3 2	10 57.90	− 2 45.0	1.843	2.824	3.5	20.2
3 12	10 49.65	− 1 52.9	1.847	2.829	3.9	20.3
3 22	10 42.16	− 0 56.9	1.880	2.833	7.2	20.5
4 1	10 36.22	− 0 3.1	1.938	2.837	10.7	20.7
4 11	10 32.37	+ 0 43.0	2.020	2.841	13.8	20.9

89078 2001 TC_{162} 3 3.3 264.°11 1.°1/ 4.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 21.28	+ 1 47.6	1.498	2.346	15.4	20.5
2 11	11 15.85	+ 2 10.3	1.413	2.333	11.3	20.2
2 21	11 7.86	+ 2 50.5	1.351	2.319	6.6	19.9
3 2	10 58.14	+ 3 44.0	1.315	2.305	1.6	19.5
3 12	10 47.95	+ 4 43.2	1.306	2.290	4.5	19.7
3 22	10 38.64	+ 5 39.9	1.323	2.276	9.7	19.9
4 1	10 31.41	+ 6 26.8	1.365	2.261	14.5	20.2
4 11	10 27.05	+ 6 58.7	1.426	2.246	18.5	20.4

133160 2003 QK_{30} 3 3.3 211.°22 4.°5/28.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 23.23	+16 51.9	1.839	2.703	12.2	20.1
2 11	11 16.79	+17 55.3	1.769	2.697	8.8	19.9
2 21	11 8.16	+18 59.8	1.725	2.691	5.6	19.7
3 2	10 58.16	+19 57.2	1.709	2.685	4.7	19.6
3 12	10 47.96	+20 40.0	1.722	2.677	7.3	19.8
3 22	10 38.68	+21 3.3	1.762	2.670	10.9	19.9
4 1	10 31.30	+21 5.6	1.825	2.661	14.3	20.1
4 11	10 26.45	+20 48.0	1.908	2.652	17.2	20.3

394393 2007 EK_{92} 3 3.3 148.°16 1.°2/ 2.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 24.87	+ 7 36.8	1.597	2.451	14.3	21.8
2 11	11 18.01	+ 8 14.9	1.535	2.460	10.1	21.5
2 21	11 8.81	+ 9 2.7	1.496	2.468	5.4	21.3
3 2	10 58.23	+ 9 53.6	1.486	2.476	1.2	21.0
3 12	10 47.55	+10 39.9	1.504	2.483	5.0	21.3
3 22	10 38.02	+11 15.5	1.549	2.489	9.7	21.6
4 1	10 30.63	+11 36.3	1.619	2.495	13.8	21.8
4 11	10 25.98	+11 41.0	1.709	2.499	17.2	22.1

498379 2007 WR_{26} 3 3.3 92.°99 2.°6/29.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 18.01	+13 6.2	2.302	3.162	10.2	21.7
2 11	11 12.56	+13 58.5	2.249	3.178	7.1	21.5
2 21	11 5.62	+14 53.5	2.222	3.193	4.0	21.3
3 2	10 57.86	+15 45.3	2.225	3.208	2.7	21.3
3 12	10 50.09	+16 28.6	2.257	3.223	5.0	21.4
3 22	10 43.08	+16 59.7	2.318	3.238	8.0	21.6
4 1	10 37.49	+17 16.5	2.404	3.253	10.8	21.8
4 11	10 33.75	+17 18.6	2.512	3.267	13.2	22.0

160712 2000 QN_{85} 3 3.3 116.°39 2.°7/ 5.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 23.35	− 1 27.2	1.612	2.442	15.4	19.8
2 11	11 16.91	− 1 27.1	1.547	2.453	11.5	19.6
2 21	11 8.22	− 1 9.6	1.504	2.464	7.2	19.4
3 2	10 58.18	− 0 37.5	1.489	2.474	3.2	19.1
3 12	10 48.02	+ 0 3.4	1.501	2.484	4.3	19.2
3 22	10 38.93	+ 0 46.6	1.540	2.494	8.5	19.5
4 1	10 31.90	+ 1 25.5	1.605	2.503	12.6	19.8
4 11	10 27.52	+ 1 55.2	1.691	2.512	16.1	20.0

454673 2014 QD_{378} 3 3.3 41.°96 1.°7/ 4.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 18.50	− 0 0.3	1.429	2.278	15.9	20.6
2 11	11 13.67	+ 0 28.9	1.367	2.286	11.7	20.4
2 21	11 6.52	+ 1 17.8	1.327	2.294	6.9	20.1
3 2	10 57.99	+ 2 20.8	1.313	2.302	2.2	19.9
3 12	10 49.32	+ 3 29.7	1.326	2.311	4.3	20.0
3 22	10 41.74	+ 4 35.7	1.364	2.320	9.1	20.3
4 1	10 36.26	+ 5 31.2	1.426	2.329	13.5	20.6
4 11	10 33.47	+ 6 11.2	1.509	2.339	17.2	20.8

113891 2002 TG_{270} 3 3.3 161.°17 1.°5/ 1.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 20.25	+10 17.5	2.267	3.119	10.7	20.0
2 11	11 14.25	+10 40.0	2.195	3.121	7.5	19.8
2 21	11 6.60	+11 7.0	2.151	3.122	4.0	19.6
3 2	10 58.00	+11 34.1	2.135	3.124	1.5	19.4
3 12	10 49.29	+11 56.6	2.150	3.126	4.1	19.6
3 22	10 41.32	+12 11.0	2.193	3.127	7.6	19.8
4 1	10 34.82	+12 14.9	2.263	3.128	10.8	20.0
4 11	10 30.26	+12 7.4	2.355	3.129	13.4	20.2

186117 2001 TC_{128} 3 3.3 134.°12 2.°7/29.5 18

2020	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
2 1	11 20.46	+12 21.7	2.048	2.908	11.3	20.6
2 11	11 14.49	+13 21.4	1.990	2.919	7.9	20.4
2 21	11 6.76	+14 25.0	1.958	2.930	4.4	20.2
3 2	10 58.02	+15 25.9	1.956	2.940	2.8	20.1
3 12	10 49.23	+16 17.6	1.983	2.950	5.4	20.3
3 22	10 41.30	+16 55.3	2.037	2.959	8.9	20.5
4 1	10 35.01	+17 16.7	2.118	2.968	12.0	20.7
4 11	10 30.84	+17 21.4	2.219	2.976	14.7	20.9

412111 2013 GF_{15} 3 3.3 249.°47 0.°4/ 2.9 16

2020	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
2 1	11 21.45	+ 5 18.6	1.764	2.613	13.4	21.8
2 11	11 15.68	+ 5 54.6	1.675	2.598	9.6	21.5
2 21	11 7.67	+ 6 43.2	1.611	2.582	5.3	21.2
3 2	10 58.14	+ 7 39.1	1.575	2.566	0.6	20.8
3 12	10 48.22	+ 8 35.3	1.567	2.549	4.4	21.1
3 22	10 39.04	+ 9 24.7	1.587	2.531	9.1	21.3
4 1	10 31.66	+10 1.9	1.632	2.513	13.4	21.5
4 11	10 26.80	+10 23.6	1.698	2.495	17.0	21.7

86035 1999 NH_{28} 3 3.3 229.°02 11.°7/ 8.3 18

2020	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
2 1	11 31.27	−13 38.7	1.246	2.030	21.7	19.0
2 11	11 23.73	−15 39.1	1.169	2.025	18.3	18.7
2 21	11 12.56	−17 13.6	1.111	2.021	14.9	18.5
3 2	10 58.75	−18 13.8	1.075	2.016	12.2	18.3
3 12	10 44.06	−18 35.8	1.064	2.010	11.9	18.3
3 22	10 30.50	−18 23.2	1.076	2.005	14.1	18.4
4 1	10 19.85	−17 45.5	1.109	1.999	17.6	18.6
4 11	10 13.17	−16 56.2	1.161	1.993	21.2	18.8

209779 2005 GS_1 3 3.3 236.°70 6.°4/27.2 16 R

2020	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
2 1	11 30.11	+24 20.4	1.982	2.834	12.0	19.9
2 11	11 21.68	+25 1.2	1.905	2.819	9.2	19.7
2 21	11 10.84	+25 34.7	1.854	2.804	6.9	19.5
3 2	10 58.52	+25 53.1	1.832	2.789	6.6	19.4
3 12	10 45.96	+25 50.5	1.839	2.772	8.6	19.5
3 22	10 34.44	+25 24.6	1.873	2.755	11.7	19.7
4 1	10 25.02	+24 36.8	1.932	2.738	14.8	19.8
4 11	10 18.35	+23 30.8	2.010	2.719	17.4	20.0

318630 2005 KS_2 3 3.3 351.°40 2.°9/ 6.4 17

2020	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
2 1	11 15.29	− 4 42.7	2.024	2.841	13.2	20.5
2 11	11 10.96	− 4 18.7	1.943	2.840	10.1	20.3
2 21	11 4.92	− 3 36.1	1.886	2.838	6.6	20.0
3 2	10 57.83	− 2 38.0	1.856	2.837	3.5	19.8
3 12	10 50.55	− 1 29.7	1.854	2.836	3.8	19.9
3 22	10 43.95	− 0 17.7	1.881	2.836	7.0	20.1
4 1	10 38.80	+ 0 51.0	1.933	2.835	10.5	20.3
4 11	10 35.63	+ 1 50.9	2.009	2.835	13.7	20.5

225668 2001 OU_2 3 3.3 194.°66 1.°5/ 5.0 17

2020	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
2 1	11 18.98	− 1 12.4	2.610	3.424	10.7	22.3
2 11	11 13.25	− 0 37.8	2.521	3.421	7.9	22.1
2 21	11 6.06	+ 0 9.5	2.458	3.417	4.8	21.9
3 2	10 57.96	+ 1 6.6	2.425	3.412	1.8	21.7
3 12	10 49.68	+ 2 8.8	2.423	3.406	2.9	21.8
3 22	10 41.93	+ 3 11.1	2.452	3.400	6.1	22.0
4 1	10 35.39	+ 4 8.6	2.509	3.392	9.2	22.2
4 11	10 30.52	+ 4 57.4	2.591	3.384	11.9	22.3

59949 1999 RL_{215} 3 3.3 199.°73 0.°9/ 2.4 18

2020	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
2 1	11 20.91	+ 6 26.5	2.076	2.922	11.8	20.2
2 11	11 14.93	+ 7 17.0	1.996	2.918	8.4	20.0
2 21	11 7.09	+ 8 17.5	1.942	2.914	4.5	19.8
3 2	10 58.09	+ 9 22.5	1.918	2.908	0.9	19.5
3 12	10 48.86	+10 25.2	1.923	2.902	4.2	19.7
3 22	10 40.35	+11 19.7	1.958	2.895	8.2	19.9
4 1	10 33.41	+12 1.5	2.019	2.887	11.7	20.1
4 11	10 28.60	+12 28.2	2.101	2.879	14.8	20.3

183408 2002 YM_8 3 3.3 65.°79 2.°7/ 1.1 18

2020	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
2 1	11 20.85	+10 50.3	1.543	2.411	13.9	19.3
2 11	11 15.10	+11 46.6	1.496	2.429	9.7	19.1
2 21	11 7.18	+12 49.1	1.474	2.447	5.3	18.9
3 2	10 58.09	+13 49.6	1.478	2.465	2.7	18.8
3 12	10 49.04	+14 40.0	1.511	2.484	6.0	19.0
3 22	10 41.19	+15 14.5	1.569	2.502	10.1	19.3
4 1	10 35.42	+15 30.6	1.651	2.520	13.9	19.6
4 11	10 32.23	+15 28.2	1.753	2.539	16.9	19.8

455154 1996 RQ_{19} 3 3.3 96.°10 0.°8/ 2.6 18

2020	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
2 1	11 23.70	+ 6 22.0	1.635	2.487	14.1	21.5
2 11	11 16.97	+ 7 3.2	1.587	2.511	9.9	21.3
2 21	11 8.15	+ 7 54.5	1.562	2.534	5.3	21.1
3 2	10 58.20	+ 8 49.3	1.566	2.557	0.9	20.9
3 12	10 48.33	+ 9 40.2	1.599	2.579	4.6	21.2
3 22	10 39.66	+10 21.0	1.659	2.601	9.0	21.5
4 1	10 33.06	+10 48.0	1.744	2.622	12.8	21.8
4 11	10 29.02	+10 59.5	1.849	2.642	15.9	22.0

5636 Jacobson 3 3.3 207.°19 0.°7/ 2.6 18

2020	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
2 1	11 18.24	+ 6 22.1	2.268	3.114	10.9	17.7
2 11	11 12.90	+ 7 5.3	2.188	3.110	7.7	17.5
2 21	11 5.93	+ 7 57.4	2.135	3.106	4.1	17.3
3 2	10 57.96	+ 8 53.5	2.110	3.101	0.7	17.0
3 12	10 49.81	+ 9 48.1	2.116	3.096	3.7	17.2
3 22	10 42.30	+10 35.9	2.151	3.090	7.4	17.5
4 1	10 36.16	+11 12.9	2.212	3.084	10.7	17.6
4 11	10 31.91	+11 36.9	2.296	3.078	13.5	17.8

4753 Phidias 3 3.3 279.°91 2.°7/29.9 18

2020	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
2 1	11 20.08	+11 23.6	1.683	2.550	13.0	17.0
2 11	11 14.69	+12 13.8	1.610	2.542	9.2	16.8
2 21	11 7.09	+13 10.9	1.562	2.535	5.1	16.5
3 2	10 58.10	+14 7.4	1.541	2.528	2.8	16.3
3 12	10 48.86	+14 55.6	1.548	2.520	6.0	16.5
3 22	10 40.53	+15 29.3	1.582	2.513	10.2	16.8
4 1	10 34.10	+15 45.0	1.639	2.506	14.1	17.0
4 11	10 30.20	+15 42.2	1.716	2.499	17.4	17.2

151079 2001 VP_{64} 3 3.3 205.°18 4.°5/26.8 18

2020	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
2 1	11 19.64	+21 54.8	2.725	3.583	8.9	19.9
2 11	11 13.69	+22 44.6	2.659	3.579	6.6	19.7
2 21	11 6.28	+23 31.0	2.619	3.574	4.8	19.6
3 2	10 58.02	+24 8.6	2.609	3.569	4.7	19.5
3 12	10 49.65	+24 33.3	2.629	3.564	6.3	19.6
3 22	10 41.93	+24 42.4	2.677	3.558	8.6	19.8
4 1	10 35.49	+24 35.3	2.749	3.552	10.9	19.9
4 11	10 30.80	+24 13.0	2.843	3.546	12.9	20.1

225572 2000 UW_{27} 3 3.3 100.°15 1.°1/ 2.3 18

2020	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
2 1	11 19.64	+ 7 21.8	1.956	2.808	12.1	20.9
2 11	11 13.95	+ 8 7.3	1.898	2.823	8.5	20.7
2 21	11 6.49	+ 9 1.0	1.866	2.838	4.5	20.5
3 2	10 58.04	+ 9 57.2	1.862	2.852	1.1	20.3
3 12	10 49.57	+10 49.4	1.888	2.867	4.2	20.5
3 22	10 41.98	+11 32.2	1.942	2.881	8.1	20.8
4 1	10 36.04	+12 2.1	2.022	2.894	11.6	21.0
4 11	10 32.23	+12 17.4	2.123	2.908	14.4	21.3

302089 2000 YO_{48} 3 3.3 40.°56 7.°6/ 8.6 18

2020	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
2 1	11 21.51	− 9 58.2	1.216	2.033	20.2	19.9
2 11	11 16.08	−10 44.4	1.165	2.051	16.2	19.7
2 21	11 7.94	−11 0.2	1.133	2.069	11.9	19.5
3 2	10 58.22	−10 45.2	1.124	2.089	8.4	19.3
3 12	10 48.45	−10 4.3	1.139	2.109	7.8	19.4
3 22	10 40.08	− 9 6.3	1.177	2.130	10.5	19.6
4 1	10 34.24	− 8 2.3	1.238	2.152	14.2	19.8
4 11	10 31.53	− 7 2.4	1.319	2.174	17.8	20.1

140335 2001 TZ_3 3 3.3 286.°50 3.°7/ 7.3 18

2020	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
2 1	11 15.47	− 7 10.6	2.220	3.021	12.7	19.6
2 11	11 11.06	− 6 55.4	2.124	3.008	10.0	19.4
2 21	11 5.01	− 6 21.4	2.052	2.994	6.9	19.2
3 2	10 57.89	− 5 30.3	2.006	2.981	4.2	19.0
3 12	10 50.49	− 4 26.3	1.989	2.967	4.1	18.9
3 22	10 43.64	− 3 15.3	2.001	2.954	6.8	19.1
4 1	10 38.10	− 2 3.7	2.039	2.940	10.1	19.2
4 11	10 34.43	− 0 57.9	2.101	2.927	13.1	19.4

120590 1995 ST_{42} 3 3.3 119.°45 1.°6/ 1.8 18

2020	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
2 1	11 19.55	+ 9 4.5	1.972	2.828	11.8	20.4
2 11	11 13.94	+ 9 47.4	1.908	2.835	8.3	20.1
2 21	11 6.53	+10 37.3	1.869	2.842	4.4	19.9
3 2	10 58.06	+11 28.2	1.859	2.848	1.6	19.7
3 12	10 49.50	+12 14.1	1.878	2.854	4.6	19.9
3 22	10 41.79	+12 49.7	1.925	2.860	8.4	20.2
4 1	10 35.71	+13 12.0	1.997	2.866	11.8	20.4
4 11	10 31.77	+13 19.4	2.091	2.872	14.7	20.6

83764 2001 TA_{158} 3 3.3 30.°07 5.°7/26.0 18

2020	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
2 1	11 18.53	+22 40.3	2.141	3.009	10.6	18.9
2 11	11 13.20	+23 48.2	2.087	3.011	7.9	18.8
2 21	11 6.11	+24 51.5	2.059	3.013	6.0	18.6
3 2	10 58.01	+25 43.0	2.059	3.015	6.0	18.6
3 12	10 49.85	+26 17.0	2.087	3.018	7.9	18.8
3 22	10 42.52	+26 30.4	2.140	3.020	10.6	18.9
4 1	10 36.79	+26 23.0	2.217	3.023	13.1	19.1
4 11	10 33.14	+25 56.5	2.313	3.026	15.3	19.3

172628 2003 XD_{16} 3 3.3 211.°48 4.°2/28.4 18

2020	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
2 1	11 22.09	+15 56.4	1.852	2.717	12.1	20.3
2 11	11 15.99	+17 0.9	1.783	2.712	8.6	20.1
2 21	11 7.77	+18 7.6	1.739	2.707	5.4	19.9
3 2	10 58.23	+19 8.3	1.724	2.701	4.4	19.8
3 12	10 48.48	+19 55.4	1.737	2.695	7.0	20.0
3 22	10 39.64	+20 24.0	1.778	2.689	10.6	20.2
4 1	10 32.63	+20 32.1	1.842	2.681	14.0	20.4
4 11	10 28.07	+20 20.3	1.925	2.674	16.9	20.6

61059 2000 LX 3 3.3 105.°93 1.°0/ 4.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 20.22	+ 0 2.5	1.600	2.440	14.9	18.8
2 11	11 14.67	+ 1 2.4	1.541	2.457	10.8	18.6
2 21	11 7.01	+ 2 21.0	1.506	2.473	6.2	18.3
3 2	10 58.13	+ 3 51.4	1.499	2.489	1.5	18.1
3 12	10 49.20	+ 5 24.3	1.520	2.504	4.0	18.3
3 22	10 41.34	+ 6 50.6	1.569	2.519	8.6	18.6
4 1	10 35.43	+ 8 3.0	1.643	2.533	12.7	18.8
4 11	10 32.02	+ 8 57.3	1.738	2.547	16.1	19.1

329056 2011 AA_{64} 3 3.3 257.°21 2.°6/ 5.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 20.48	− 1 43.1	1.958	2.781	13.3	21.1
2 11	11 14.83	− 1 43.5	1.866	2.768	10.1	20.8
2 21	11 7.16	− 1 28.8	1.798	2.755	6.4	20.6
3 2	10 58.17	− 1 0.9	1.757	2.741	3.0	20.3
3 12	10 48.82	− 0 24.0	1.745	2.727	3.9	20.3
3 22	10 40.13	+ 0 16.5	1.761	2.713	7.7	20.5
4 1	10 33.03	+ 0 54.9	1.803	2.699	11.5	20.7
4 11	10 28.18	+ 1 26.2	1.868	2.684	14.9	20.9

161557 2004 YF_6 3 3.3 193.°98 1.°3/ 2.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 21.52	+ 7 35.6	2.002	2.851	12.0	20.6
2 11	11 15.42	+ 8 28.3	1.926	2.849	8.5	20.4
2 21	11 7.40	+ 9 30.3	1.875	2.847	4.5	20.1
3 2	10 58.19	+10 35.5	1.853	2.843	1.3	19.9
3 12	10 48.76	+11 37.0	1.862	2.839	4.5	20.1
3 22	10 40.11	+12 28.7	1.899	2.834	8.5	20.3
4 1	10 33.09	+13 6.4	1.962	2.828	12.2	20.6
4 11	10 28.30	+13 28.1	2.046	2.821	15.2	20.7

348559 2005 VS_{16} 3 3.3 133.°15 4.°3/28.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 23.58	+14 15.8	1.583	2.451	13.6	20.8
2 11	11 17.13	+15 36.1	1.531	2.463	9.6	20.6
2 21	11 8.38	+16 59.8	1.505	2.474	5.7	20.4
3 2	10 58.30	+18 17.0	1.505	2.485	4.4	20.4
3 12	10 48.17	+19 18.5	1.534	2.495	7.4	20.6
3 22	10 39.23	+19 58.8	1.589	2.505	11.3	20.8
4 1	10 32.46	+20 15.7	1.668	2.514	14.9	21.0
4 11	10 28.41	+20 10.6	1.765	2.522	17.9	21.3

298851 2004 RZ_{232} 3 3.3 338.°53 2.°7/ 1.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 22.80	+11 0.7	1.370	2.241	15.1	20.6
2 11	11 16.97	+11 37.2	1.305	2.239	10.7	20.3
2 21	11 8.47	+12 21.1	1.263	2.237	5.9	20.0
3 2	10 58.32	+13 4.4	1.247	2.235	2.7	19.8
3 12	10 47.95	+13 38.6	1.258	2.234	6.4	20.0
3 22	10 38.80	+13 57.6	1.294	2.233	11.3	20.3
4 1	10 32.02	+13 58.2	1.352	2.232	15.7	20.6
4 11	10 28.28	+13 40.1	1.429	2.231	19.4	20.8

503155 2015 GM_{31} 3 3.3 55.°84 0.°9/ 2.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 17.39	+ 6 50.7	1.970	2.825	11.9	21.0
2 11	11 12.36	+ 7 32.7	1.912	2.839	8.4	20.9
2 21	11 5.64	+ 8 23.3	1.880	2.853	4.4	20.6
3 2	10 57.97	+ 9 16.9	1.876	2.867	0.9	20.4
3 12	10 50.27	+10 7.4	1.901	2.881	4.0	20.7
3 22	10 43.41	+10 49.5	1.954	2.895	7.9	20.9
4 1	10 38.12	+11 19.5	2.032	2.910	11.3	21.2
4 11	10 34.86	+11 35.5	2.132	2.924	14.1	21.4

218030 2001 YQ_{143} 3 3.3 98.°60 0.°9/ 4.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 21.05	+ 2 53.5	1.843	2.684	13.2	20.1
2 11	11 15.10	+ 3 5.5	1.776	2.692	9.6	19.9
2 21	11 7.20	+ 3 29.6	1.733	2.700	5.5	19.7
3 2	10 58.16	+ 4 1.7	1.718	2.708	1.3	19.4
3 12	10 49.02	+ 4 36.6	1.732	2.716	3.7	19.6
3 22	10 40.78	+ 5 8.8	1.774	2.724	7.9	19.9
4 1	10 34.30	+ 5 33.9	1.842	2.731	11.6	20.1
4 11	10 30.12	+ 5 48.6	1.931	2.739	14.8	20.3

122901 2000 SO_{161} 3 3.3 200.°44 1.°6/ 1.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 19.06	+ 8 38.1	1.998	2.854	11.7	20.2
2 11	11 13.66	+ 9 28.2	1.925	2.852	8.3	20.0
2 21	11 6.43	+10 26.4	1.877	2.850	4.4	19.7
3 2	10 58.08	+11 26.8	1.858	2.848	1.6	19.5
3 12	10 49.55	+12 22.5	1.869	2.845	4.6	19.7
3 22	10 41.79	+13 8.0	1.907	2.842	8.5	20.0
4 1	10 35.60	+13 39.4	1.971	2.839	12.0	20.2
4 11	10 31.55	+13 55.0	2.056	2.836	15.0	20.4

168879 2000 WD_{34} 3 3.3 140.°20 3.°3/ 6.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 20.15	− 5 32.4	1.804	2.617	14.7	20.4
2 11	11 14.54	− 5 5.5	1.733	2.626	11.3	20.2
2 21	11 6.94	− 4 17.5	1.684	2.635	7.4	20.0
3 2	10 58.15	− 3 11.7	1.662	2.643	3.9	19.8
3 12	10 49.21	− 1 54.4	1.669	2.651	4.2	19.8
3 22	10 41.15	− 0 33.7	1.704	2.658	7.8	20.0
4 1	10 34.85	+ 0 42.6	1.766	2.665	11.5	20.3
4 11	10 30.88	+ 1 48.1	1.849	2.671	14.8	20.5

64299 2001 UF_{15} 3 3.3 69.°06 2.°4/ 1.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 21.37	+10 0.9	1.660	2.522	13.3	19.1
2 11	11 15.25	+11 8.4	1.623	2.554	9.2	18.9
2 21	11 7.20	+12 21.6	1.612	2.585	5.0	18.7
3 2	10 58.16	+13 32.5	1.629	2.616	2.5	18.6
3 12	10 49.29	+14 33.1	1.674	2.647	5.5	18.9
3 22	10 41.60	+15 17.9	1.747	2.677	9.4	19.2
4 1	10 35.89	+15 44.5	1.843	2.707	12.9	19.4
4 11	10 32.57	+15 52.6	1.960	2.737	15.7	19.7

168878 2000 WV_{28} 3 3.3 205.°72 2.°0/ 5.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 21.14	− 1 44.1	2.047	2.867	13.0	22.0
2 11	11 15.18	− 1 20.2	1.960	2.861	9.7	21.8
2 21	11 7.30	− 0 40.2	1.897	2.855	6.0	21.5
3 2	10 58.21	+ 0 12.8	1.862	2.848	2.5	21.3
3 12	10 48.83	+ 1 13.3	1.857	2.840	3.6	21.4
3 22	10 40.14	+ 2 15.1	1.881	2.831	7.4	21.6
4 1	10 33.00	+ 3 12.0	1.932	2.822	11.2	21.8
4 11	10 28.04	+ 3 59.0	2.006	2.811	14.4	22.0

59477 1999 HP_3 3 3.3 3.°32 4.°8/27.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 16.83	+17 43.8	1.921	2.794	11.3	18.0
2 11	11 12.15	+19 0.9	1.862	2.794	8.1	17.9
2 21	11 5.63	+20 18.3	1.829	2.794	5.4	17.7
3 2	10 58.00	+21 27.9	1.824	2.795	5.0	17.7
3 12	10 50.25	+22 22.3	1.846	2.795	7.4	17.8
3 22	10 43.33	+22 56.9	1.895	2.797	10.6	18.0
4 1	10 38.06	+23 9.9	1.966	2.798	13.6	18.2
4 11	10 34.97	+23 2.2	2.057	2.800	16.1	18.4

356297 2010 FY_{20} 3 3.3 263.°23 1.°0/ 2.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 20.10	+ 5 32.5	1.523	2.382	14.5	21.3
2 11	11 15.03	+ 6 31.1	1.439	2.367	10.4	21.0
2 21	11 7.48	+ 7 45.7	1.379	2.352	5.6	20.7
3 2	10 58.25	+ 9 9.2	1.346	2.337	1.0	20.3
3 12	10 48.57	+10 31.7	1.340	2.321	5.3	20.6
3 22	10 39.73	+11 43.8	1.361	2.304	10.4	20.8
4 1	10 32.91	+12 38.4	1.405	2.288	15.0	21.1
4 11	10 28.88	+13 12.0	1.469	2.271	18.9	21.3

276663 2003 WQ_{58} 3 3.3 142.°17 0.°6/ 3.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 21.42	+ 2 25.9	1.938	2.775	12.9	21.3
2 11	11 15.30	+ 3 0.8	1.871	2.785	9.3	21.1
2 21	11 7.30	+ 3 48.6	1.829	2.796	5.2	20.9
3 2	10 58.22	+ 4 44.5	1.815	2.805	1.0	20.6
3 12	10 49.03	+ 5 42.1	1.831	2.814	3.6	20.8
3 22	10 40.72	+ 6 35.2	1.876	2.823	7.7	21.1
4 1	10 34.09	+ 7 19.0	1.947	2.831	11.4	21.3
4 11	10 29.69	+ 7 50.1	2.040	2.838	14.5	21.5

498071 2007 RJ_{160} 3 3.3 126.°45 0.°2/ 3.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 17.32	+ 5 2.6	2.366	3.209	10.6	22.2
2 11	11 12.14	+ 5 41.9	2.298	3.217	7.5	22.0
2 21	11 5.50	+ 6 29.9	2.256	3.226	4.1	21.8
3 2	10 58.00	+ 7 22.4	2.243	3.234	0.5	21.5
3 12	10 50.42	+ 8 14.1	2.260	3.242	3.3	21.7
3 22	10 43.51	+ 9 0.3	2.307	3.249	6.8	22.0
4 1	10 37.90	+ 9 37.3	2.380	3.257	9.9	22.2
4 11	10 34.06	+10 2.7	2.477	3.264	12.5	22.4

282343 2002 XB_{47} 3 3.3 115.°62 2.°8/29.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 23.67	+10 9.1	1.588	2.450	13.9	20.3
2 11	11 17.11	+11 25.1	1.540	2.470	9.7	20.1
2 21	11 8.34	+12 48.4	1.516	2.489	5.3	19.9
3 2	10 58.34	+14 9.9	1.520	2.507	2.8	19.8
3 12	10 48.37	+15 20.3	1.554	2.525	6.1	20.0
3 22	10 39.61	+16 13.0	1.614	2.541	10.3	20.3
4 1	10 32.98	+16 45.0	1.698	2.558	14.0	20.6
4 11	10 28.99	+16 56.2	1.801	2.573	17.1	20.8

6203 Lyubamoroz 3 3.3 227.°90 0.°4/ 3.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 16.50	+ 3 19.7	2.436	3.273	10.5	18.7
2 11	11 11.60	+ 3 48.6	2.354	3.270	7.6	18.5
2 21	11 5.24	+ 4 27.3	2.299	3.267	4.3	18.3
3 2	10 57.99	+ 5 12.4	2.273	3.263	0.8	18.0
3 12	10 50.58	+ 5 59.1	2.277	3.260	3.0	18.2
3 22	10 43.74	+ 6 42.8	2.310	3.256	6.5	18.4
4 1	10 38.15	+ 7 19.4	2.370	3.253	9.7	18.6
4 11	10 34.26	+ 7 46.2	2.453	3.249	12.4	18.7

79202 1993 UV_5 3 3.3 226.°72 0.°4/ 2.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 19.07	+ 4 45.6	2.170	3.012	11.5	20.1
2 11	11 13.65	+ 5 35.6	2.082	3.002	8.2	19.9
2 21	11 6.46	+ 6 37.0	2.020	2.990	4.5	19.6
3 2	10 58.14	+ 7 44.9	1.987	2.978	0.5	19.3
3 12	10 49.54	+ 8 52.8	1.984	2.965	3.8	19.5
3 22	10 41.56	+ 9 54.7	2.011	2.952	7.7	19.7
4 1	10 35.00	+10 45.4	2.064	2.938	11.3	19.9
4 11	10 30.44	+11 22.0	2.139	2.923	14.3	20.1

90838 1995 WD_7 3 3.3 143.°69 3.°6/ 7.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 18.77	− 7 2.8	2.321	3.114	12.5	19.6
2 11	11 13.23	− 6 55.1	2.244	3.123	9.7	19.5
2 21	11 6.13	− 6 30.5	2.191	3.131	6.7	19.3
3 2	10 58.09	− 5 50.7	2.165	3.139	4.1	19.1
3 12	10 49.93	− 4 59.7	2.170	3.146	4.0	19.1
3 22	10 42.43	− 4 2.8	2.203	3.153	6.5	19.3
4 1	10 36.30	− 3 5.5	2.264	3.160	9.5	19.5
4 11	10 32.02	− 2 13.2	2.349	3.166	12.2	19.7

463266 2012 GP_{13} 3 3.3 236.°26 6.°1/24.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 20.57	+23 58.7	2.286	3.147	10.2	21.1
2 11	11 14.77	+25 26.8	2.215	3.133	7.9	21.0
2 21	11 7.09	+26 51.3	2.172	3.119	6.3	20.8
3 2	10 58.22	+28 4.0	2.157	3.103	6.5	20.8
3 12	10 49.09	+28 58.1	2.171	3.087	8.5	20.9
3 22	10 40.65	+29 29.7	2.211	3.071	11.1	21.0
4 1	10 33.75	+29 37.9	2.274	3.054	13.6	21.2
4 11	10 28.96	+29 24.4	2.355	3.036	15.8	21.3

123762 2001 AU_{41} 3 3.3 135.°76 12.°0/ 9.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 32.89	−16 11.8	1.302	2.066	21.9	19.2
2 11	11 24.64	−18 6.6	1.235	2.075	18.6	19.0
2 21	11 12.96	−19 31.1	1.188	2.084	15.3	18.8
3 2	10 58.96	−20 17.7	1.163	2.092	12.7	18.7
3 12	10 44.41	−20 24.3	1.162	2.100	12.0	18.7
3 22	10 31.22	−19 56.1	1.185	2.107	13.7	18.8
4 1	10 20.97	−19 4.0	1.230	2.113	16.7	19.0
4 11	10 14.54	−18 1.7	1.295	2.119	19.8	19.2

331300 2011 EN_{20} 3 3.3 124.°22 2.°1/ 1.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 19.75	+10 28.7	2.063	2.920	11.4	21.3
2 11	11 14.02	+11 26.6	2.004	2.932	7.9	21.1
2 21	11 6.58	+12 30.0	1.972	2.944	4.3	20.9
3 2	10 58.16	+13 32.6	1.969	2.956	2.2	20.8
3 12	10 49.69	+14 27.9	1.995	2.967	4.9	21.0
3 22	10 42.06	+15 10.9	2.050	2.978	8.4	21.2
4 1	10 36.01	+15 38.7	2.130	2.988	11.7	21.4
4 11	10 32.03	+15 50.4	2.231	2.998	14.3	21.6

432556 2010 JF_{75} 3 3.3 324.°76 3.°9/28.0 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 15.74	+14 40.7	1.937	2.809	11.3	20.7
2 11	11 11.44	+16 0.9	1.867	2.801	8.0	20.5
2 21	11 5.31	+17 25.3	1.823	2.793	4.9	20.2
3 2	10 58.02	+18 46.0	1.807	2.785	4.1	20.2
3 12	10 50.53	+19 54.8	1.819	2.777	6.7	20.3
3 22	10 43.77	+20 45.9	1.858	2.770	10.1	20.5
4 1	10 38.57	+21 16.2	1.920	2.763	13.4	20.7
4 11	10 35.51	+21 25.3	2.002	2.757	16.1	20.9

172573 2003 UL_{201} 3 3.3 72.°25 1.°6/ 2.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 22.06	+ 8 0.5	1.469	2.332	14.7	20.5
2 11	11 16.07	+ 8 48.3	1.421	2.351	10.3	20.3
2 21	11 7.82	+ 9 45.7	1.397	2.371	5.5	20.0
3 2	10 58.32	+10 44.9	1.400	2.390	1.6	19.8
3 12	10 48.88	+11 37.4	1.431	2.409	5.3	20.1
3 22	10 40.70	+12 16.9	1.487	2.429	9.9	20.4
4 1	10 34.70	+12 39.6	1.568	2.448	13.9	20.7
4 11	10 31.40	+12 44.6	1.668	2.467	17.2	21.0

265351 2004 RT_{59} 3 3.3 251.°34 0.°1/ 3.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 23.18	+ 5 51.8	1.959	2.802	12.5	20.1
2 11	11 16.71	+ 5 51.5	1.875	2.793	9.0	19.9
2 21	11 8.20	+ 5 59.4	1.816	2.785	5.0	19.6
3 2	10 58.39	+ 6 12.2	1.786	2.776	0.7	19.3
3 12	10 48.32	+ 6 25.4	1.785	2.768	3.8	19.5
3 22	10 39.03	+ 6 34.9	1.813	2.759	8.0	19.8
4 1	10 31.43	+ 6 37.4	1.867	2.750	11.9	20.0
4 11	10 26.15	+ 6 30.7	1.943	2.741	15.1	20.2

325537 2009 SG_{49} 3 3.3 196.°16 1.°4/ 2.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 23.85	+10 10.8	2.059	2.908	11.7	20.6
2 11	11 17.03	+10 24.7	1.983	2.907	8.3	20.4
2 21	11 8.29	+10 43.2	1.934	2.905	4.5	20.1
3 2	10 58.40	+11 1.8	1.913	2.903	1.4	19.9
3 12	10 48.34	+11 15.8	1.923	2.900	4.4	20.1
3 22	10 39.12	+11 21.6	1.962	2.897	8.2	20.3
4 1	10 31.58	+11 16.9	2.026	2.894	11.7	20.6
4 11	10 26.28	+11 0.8	2.113	2.890	14.7	20.8

337495 2001 SV_{100} 3 3.3 145.°76 0.°8/ 4.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 17.63	+ 2 9.7	2.646	3.474	10.1	21.9
2 11	11 12.26	+ 2 32.6	2.572	3.482	7.3	21.7
2 21	11 5.55	+ 3 5.0	2.525	3.489	4.2	21.5
3 2	10 58.07	+ 3 43.7	2.507	3.496	1.1	21.3
3 12	10 50.49	+ 4 24.6	2.520	3.503	2.7	21.4
3 22	10 43.51	+ 5 3.6	2.562	3.509	5.9	21.6
4 1	10 37.70	+ 5 37.3	2.633	3.515	8.8	21.8
4 11	10 33.49	+ 6 2.8	2.727	3.521	11.3	22.0

325798 2010 RF_{70} 3 3.3 209.°23 6.°6/29.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 38.57	+21 8.3	1.223	2.085	17.2	20.3
2 11	11 28.67	+21 19.3	1.159	2.083	12.8	20.1
2 21	11 15.07	+21 21.6	1.117	2.080	8.4	19.8
3 2	10 59.21	+21 4.9	1.101	2.077	6.6	19.7
3 12	10 43.24	+20 22.6	1.113	2.073	9.6	19.8
3 22	10 29.21	+19 14.8	1.150	2.069	14.3	20.1
4 1	10 18.67	+17 46.0	1.210	2.065	18.8	20.3
4 11	10 12.26	+16 2.9	1.287	2.060	22.6	20.6

7775 Taiko 3 3.3 110.°99 2.°1/ 5.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 20.35	− 1 30.9	2.047	2.869	12.9	18.0
2 11	11 14.44	− 1 13.2	1.983	2.885	9.6	17.8
2 21	11 6.82	− 0 40.8	1.943	2.901	5.9	17.6
3 2	10 58.22	+ 0 2.9	1.931	2.917	2.5	17.4
3 12	10 49.57	+ 0 52.9	1.949	2.932	3.4	17.5
3 22	10 41.75	+ 1 43.3	1.995	2.947	7.0	17.8
4 1	10 35.51	+ 2 28.9	2.068	2.961	10.4	18.0
4 11	10 31.33	+ 3 5.6	2.165	2.975	13.3	18.2

131607 2001 XQ_{19} 3 3.3 320.°40 5.°2/28.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 22.52	+16 5.1	1.273	2.154	15.3	19.0
2 11	11 17.10	+16 56.0	1.206	2.143	11.1	18.8
2 21	11 8.74	+17 49.4	1.161	2.132	6.8	18.5
3 2	10 58.48	+18 35.0	1.141	2.122	5.3	18.4
3 12	10 47.87	+19 3.0	1.147	2.112	8.7	18.5
3 22	10 38.52	+19 7.5	1.176	2.103	13.3	18.7
4 1	10 31.73	+18 47.0	1.226	2.095	17.7	19.0
4 11	10 28.24	+18 3.6	1.293	2.087	21.5	19.2

249585 1995 UF_{15} 3 3.3 39.°51 1.°1/ 4.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 19.87	+ 2 1.7	1.437	2.291	15.6	20.6
2 11	11 14.73	+ 2 24.3	1.374	2.296	11.4	20.4
2 21	11 7.22	+ 3 3.7	1.334	2.303	6.5	20.1
3 2	10 58.29	+ 3 54.6	1.319	2.309	1.6	19.8
3 12	10 49.20	+ 4 49.4	1.331	2.316	4.3	20.0
3 22	10 41.21	+ 5 40.0	1.369	2.323	9.2	20.3
4 1	10 35.35	+ 6 20.1	1.431	2.331	13.7	20.6
4 11	10 32.22	+ 6 45.5	1.513	2.338	17.4	20.9

66303 1999 JG_{37} 3 3.3 243.°24 2.°9/29.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 22.86	+11 57.6	1.724	2.586	13.0	19.7
2 11	11 16.78	+12 47.2	1.644	2.574	9.2	19.4
2 21	11 8.36	+13 43.2	1.590	2.561	5.2	19.2
3 2	10 58.43	+14 38.3	1.562	2.548	2.9	19.0
3 12	10 48.16	+15 24.5	1.564	2.534	6.1	19.2
3 22	10 38.75	+15 55.9	1.592	2.520	10.4	19.4
4 1	10 31.27	+16 9.1	1.644	2.506	14.3	19.6
4 11	10 26.40	+16 3.5	1.717	2.491	17.7	19.8

30601 2082 P–L 3 3.3 212.°25 2.°3/ 5.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 21.91	− 1 48.1	1.778	2.603	14.4	19.5
2 11	11 16.00	− 1 28.6	1.693	2.597	10.8	19.3
2 21	11 7.91	− 0 51.1	1.631	2.591	6.7	19.0
3 2	10 58.38	+ 0 1.4	1.597	2.583	2.8	18.8
3 12	10 48.53	+ 1 2.8	1.592	2.575	4.0	18.8
3 22	10 39.47	+ 2 5.8	1.615	2.567	8.3	19.1
4 1	10 32.20	+ 3 3.4	1.663	2.558	12.4	19.3
4 11	10 27.40	+ 3 50.1	1.734	2.548	16.0	19.5

290945 2005 WH_{156} 3 3.3 165.°80 4.°2/ 8.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 18.17	− 9 51.6	2.344	3.122	12.8	21.3
2 11	11 12.86	− 9 32.5	2.260	3.127	10.2	21.1
2 21	11 5.98	− 8 53.9	2.200	3.131	7.3	20.9
3 2	10 58.15	− 7 57.4	2.168	3.135	4.8	20.8
3 12	10 50.16	− 6 47.4	2.165	3.138	4.4	20.7
3 22	10 42.80	− 5 29.8	2.192	3.141	6.6	20.9
4 1	10 36.77	− 4 11.2	2.246	3.143	9.5	21.1
4 11	10 32.58	− 2 57.7	2.325	3.145	12.2	21.3

104624 2000 GD_{112} 3 3.3 192.°22 4.°3/27.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 20.61	+20 41.7	2.560	3.418	9.4	19.8
2 11	11 14.48	+21 30.1	2.494	3.416	6.9	19.7
2 21	11 6.81	+22 15.8	2.456	3.414	4.8	19.5
3 2	10 58.24	+22 53.1	2.448	3.412	4.5	19.5
3 12	10 49.58	+23 17.5	2.469	3.410	6.3	19.6
3 22	10 41.62	+23 26.2	2.517	3.407	8.8	19.8
4 1	10 35.03	+23 18.6	2.591	3.403	11.3	19.9
4 11	10 30.29	+22 55.6	2.686	3.400	13.4	20.1

58421 1996 BG_5 3 3.3 278.°37 2.°9/28.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 16.22	+14 6.3	2.390	3.253	9.8	19.8
2 11	11 11.47	+15 5.2	2.319	3.249	6.9	19.6
2 21	11 5.22	+16 7.0	2.275	3.245	4.1	19.4
3 2	10 58.06	+17 5.9	2.261	3.241	3.0	19.3
3 12	10 50.75	+17 56.2	2.276	3.237	5.3	19.5
3 22	10 44.07	+18 33.7	2.318	3.234	8.2	19.6
4 1	10 38.68	+18 55.9	2.386	3.230	11.1	19.8
4 11	10 35.07	+19 2.3	2.476	3.226	13.5	20.0

2020	α_{2000}	δ_{2000}	Δ	r	β	V
210950	2001 UK_{43}		3 3.3	23.°73	3.°0/ 6.8	18
	h m	° ′			°	m
2 1	11 15.36	− 5 42.8	2.232	3.039	12.4	19.7
2 11	11 10.93	− 5 18.6	2.150	3.040	9.6	19.5
2 21	11 4.95	− 4 36.8	2.093	3.041	6.4	19.3
3 2	10 58.03	− 3 40.1	2.063	3.042	3.6	19.1
3 12	10 50.94	− 2 33.2	2.062	3.043	3.6	19.1
3 22	10 44.47	− 1 22.2	2.090	3.044	6.5	19.3
4 1	10 39.32	− 0 13.2	2.144	3.045	9.7	19.5
4 11	10 35.99	+ 0 48.2	2.223	3.046	12.6	19.7
21107	1992 PZ_4		3 3.3	176.°29	2.°0/ 5.7	18
2 1	11 17.86	− 3 29.4	2.289	3.101	12.0	18.1
2 11	11 12.66	− 2 42.4	2.207	3.103	9.0	17.9
2 21	11 5.89	− 1 38.8	2.150	3.105	5.6	17.7
3 2	10 58.15	− 0 22.1	2.121	3.106	2.5	17.5
3 12	10 50.24	+ 1 1.7	2.124	3.107	3.2	17.5
3 22	10 42.97	+ 2 25.9	2.156	3.107	6.6	17.7
4 1	10 37.03	+ 3 44.3	2.216	3.107	9.9	17.9
4 11	10 32.94	+ 4 52.0	2.300	3.105	12.8	18.1
340823	2006 UY_{131}		3 3.3	126.°62	3.°3/28.6	17
2 1	11 19.40	+17 8.1	2.579	3.437	9.3	21.5
2 11	11 13.53	+17 49.2	2.521	3.447	6.6	21.3
2 21	11 6.25	+18 29.6	2.490	3.456	4.2	21.1
3 2	10 58.18	+19 4.3	2.489	3.464	3.4	21.1
3 12	10 50.08	+19 29.1	2.517	3.473	5.3	21.2
3 22	10 42.69	+19 41.2	2.574	3.481	7.9	21.4
4 1	10 36.62	+19 39.5	2.657	3.489	10.4	21.6
4 11	10 32.29	+19 24.4	2.762	3.497	12.6	21.8
302448	2002 EF_{83}		3 3.3	339.°60	0.°8/ 3.9	18
2 1	11 18.27	+ 2 52.2	1.240	2.105	16.7	20.4
2 11	11 14.03	+ 3 14.8	1.169	2.097	12.2	20.1
2 21	11 7.06	+ 3 56.1	1.118	2.090	7.0	19.8
3 2	10 58.31	+ 4 50.7	1.093	2.083	1.3	19.4
3 12	10 49.18	+ 5 49.5	1.092	2.077	4.9	19.6
3 22	10 41.15	+ 6 43.2	1.115	2.072	10.5	19.9
4 1	10 35.46	+ 7 24.1	1.161	2.068	15.6	20.2
4 11	10 32.88	+ 7 47.3	1.225	2.064	19.8	20.4
119369	2001 SZ_{277}		3 3.3	41.°63	7.°0/ 9.8	18
2 1	11 17.90	−13 17.2	1.636	2.420	17.2	19.3
2 11	11 13.21	−13 32.4	1.565	2.427	14.1	19.1
2 21	11 6.38	−13 19.7	1.514	2.435	10.8	18.9
3 2	10 58.22	−12 39.0	1.488	2.443	7.9	18.8
3 12	10 49.87	−11 34.6	1.486	2.451	7.1	18.7
3 22	10 42.43	−10 14.2	1.511	2.460	9.0	18.9
4 1	10 36.86	− 8 47.6	1.560	2.469	12.2	19.1
4 11	10 33.79	− 7 24.2	1.631	2.478	15.3	19.3
471773	2012 UA_{141}		3 3.3	178.°15	2.°4/ 6.4	17
2 1	11 16.10	− 4 41.4	2.654	3.457	10.8	22.2
2 11	11 11.25	− 4 14.8	2.569	3.458	8.3	22.0
2 21	11 5.06	− 3 33.9	2.510	3.459	5.4	21.8
3 2	10 58.06	− 2 41.1	2.479	3.459	2.9	21.7
3 12	10 50.92	− 1 40.5	2.479	3.460	3.1	21.7
3 22	10 44.30	− 0 37.0	2.508	3.459	5.7	21.9
4 1	10 38.81	+ 0 24.4	2.565	3.459	8.6	22.0
4 11	10 34.89	+ 1 19.3	2.647	3.458	11.2	22.2
52994	1998 UY_{29}		3 3.3	87.°74	5.°6/27.9	18
2 1	11 22.55	+16 26.4	1.361	2.239	14.7	19.1
2 11	11 16.80	+17 48.9	1.310	2.245	10.6	18.9
2 21	11 8.41	+19 13.2	1.282	2.251	6.7	18.7
3 2	10 58.47	+20 27.7	1.281	2.257	5.8	18.7
3 12	10 48.43	+21 22.1	1.305	2.262	8.9	18.9
3 22	10 39.72	+21 50.7	1.354	2.268	13.0	19.1
4 1	10 33.43	+21 52.2	1.424	2.274	16.8	19.3
4 11	10 30.17	+21 29.1	1.511	2.280	20.0	19.6
35171	1993 TF_1		3 3.3	125.°37	3.°3/ 6.3	18
2 1	11 21.51	− 4 35.7	1.714	2.531	15.2	18.5
2 11	11 15.60	− 4 18.4	1.646	2.543	11.6	18.3
2 21	11 7.61	− 3 40.5	1.602	2.554	7.5	18.1
3 2	10 58.37	− 2 45.2	1.584	2.566	3.9	17.9
3 12	10 49.01	− 1 38.9	1.594	2.576	4.3	18.0
3 22	10 40.61	− 0 29.3	1.633	2.587	8.0	18.2
4 1	10 34.10	+ 0 36.0	1.697	2.596	11.9	18.4
4 11	10 30.04	+ 1 31.1	1.783	2.606	15.3	18.7
56409	2000 FQ_{29}		3 3.3	313.°11	1.°7/ 2.3	18
2 1	11 21.64	+ 8 48.3	1.196	2.072	16.5	19.4
2 11	11 16.75	+ 9 9.3	1.116	2.052	11.9	19.0
2 21	11 8.74	+ 9 41.9	1.057	2.032	6.5	18.7
3 2	10 58.55	+10 18.9	1.023	2.013	1.7	18.3
3 12	10 47.71	+10 51.4	1.013	1.994	6.3	18.5
3 22	10 37.95	+11 11.3	1.027	1.976	12.2	18.8
4 1	10 30.74	+11 13.4	1.062	1.959	17.6	19.0
4 11	10 27.03	+10 55.9	1.114	1.942	22.1	19.2

2020	α_{2000}	δ_{2000}	Δ	r	β	V	
68777	2002 FD_1		3 3.3	214.°73	2.°1/ 1.5	18	
	h m	° ′			°	m	
2 1	11 23.87	+11 1.9	2.029	2.880	11.8	19.8	
2 11	11 17.18	+11 39.5	1.947	2.872	8.3	19.6	
2 21	11 8.47	+12 22.5	1.892	2.863	4.6	19.4	
3 2	10 58.49	+13 5.2	1.866	2.854	2.1	19.2	
3 12	10 48.24	+13 41.4	1.870	2.843	5.0	19.3	
3 22	10 38.76	+14 6.5	1.903	2.832	8.9	19.6	
4 1	10 30.98	+14 17.4	1.961	2.820	12.5	19.8	
4 11	10 25.49	+14 13.4	2.041	2.807	15.5	19.9	
464682	2001 UU_{78}		3 3.3	72.°07	2.°4/ 1.3	18	
2 1	11 23.58	+10 57.1	1.695	2.555	13.3	21.1	
2 11	11 16.80	+11 47.4	1.659	2.588	9.2	20.9	
2 21	11 8.09	+12 42.2	1.649	2.621	5.0	20.7	
3 2	10 58.41	+13 34.1	1.666	2.653	2.4	20.6	
3 12	10 48.94	+14 16.4	1.712	2.685	5.4	20.9	
3 22	10 40.70	+14 44.6	1.786	2.716	9.3	21.1	
4 1	10 34.48	+14 56.6	1.884	2.747	12.7	21.4	
4 11	10 30.70	+14 52.6	2.002	2.778	15.5	21.7	
222675	2001 YM_{34}		3 3.3	217.°02	6.°9/10.7	17	
2 1	11 19.99	−17 18.4	2.404	3.132	13.9	20.8	
2 11	11 14.31	−17 40.3	2.304	3.123	11.8	20.6	
2 21	11 6.89	−17 40.3	2.227	3.114	9.5	20.4	
3 2	10 58.30	−17 17.2	2.175	3.104	7.6	20.3	
3 12	10 49.39	−16 32.7	2.150	3.093	7.0	20.2	
3 22	10 41.01	−15 30.8	2.153	3.082	8.0	20.3	
4 1	10 33.98	−14 18.1	2.183	3.070	10.2	20.4	
4 11	10 28.87	−13 1.7	2.238	3.057	12.7	20.5	
58168	1990 QB_9		3 3.3	117.°17	1.°2/ 2.3	18	
2 1	11 21.72	+ 5 51.0	1.663	2.516	13.8	19.1	
2 11	11 15.73	+ 7 1.3	1.608	2.533	9.7	18.9	
2 21	11 7.65	+ 8 23.7	1.578	2.550	5.2	18.7	
3 2	10 58.38	+ 9 50.1	1.576	2.566	1.2	18.4	
3 12	10 49.09	+11 11.4	1.603	2.581	4.8	18.7	
3 22	10 40.85	+12 19.9	1.657	2.596	9.2	19.0	
4 1	10 34.57	+13 10.8	1.737	2.610	13.1	19.2	
4 11	10 30.77	+13 42.3	1.837	2.624	16.3	19.5	
303351	2004 TS_{295}		3 3.3	116.°57	0.°0/ 3.2	18	
2 1	11 23.26	+ 4 9.1	1.706	2.551	14.0	22.0	
2 11	11 16.76	+ 4 46.7	1.648	2.568	10.0	21.8	
2 21	11 8.20	+ 5 36.6	1.615	2.585	5.4	21.5	
3 2	10 58.45	+ 6 33.1	1.610	2.601	0.7	21.2	
3 12	10 48.69	+ 7 28.8	1.634	2.617	4.1	21.5	
3 22	10 40.00	+ 8 17.4	1.686	2.632	8.6	21.8	
4 1	10 33.27	+ 8 53.9	1.764	2.646	12.4	22.1	
4 11	10 29.02	+ 9 15.8	1.862	2.660	15.7	22.3	
387406	2013 SH_{33}		3 3.3	152.°81	4.°0/27.9	18	
2 1	11 21.40	+18 25.9	2.403	3.261	9.9	21.6	
2 11	11 15.07	+19 20.2	2.345	3.269	7.2	21.4	
2 21	11 7.15	+20 13.0	2.314	3.277	4.7	21.3	
3 2	10 58.33	+20 58.4	2.313	3.284	4.1	21.3	
3 12	10 49.46	+21 31.3	2.342	3.291	6.1	21.4	
3 22	10 41.37	+21 48.7	2.399	3.297	8.8	21.6	
4 1	10 34.75	+21 49.7	2.481	3.303	11.4	21.8	
4 11	10 30.07	+21 35.0	2.585	3.308	13.6	21.9	
93385	2000 SS_{278}		3 3.3	198.°85	6.°0/26.3	18	
2 1	11 23.57	+24 4.4	2.163	3.021	10.9	20.0	
2 11	11 16.85	+25 1.8	2.102	3.019	8.3	19.8	
2 21	11 8.22	+25 53.3	2.067	3.016	6.3	19.7	
3 2	10 58.46	+26 31.7	2.060	3.013	6.3	19.6	
3 12	10 48.61	+26 51.4	2.082	3.010	8.2	19.8	
3 22	10 39.65	+26 50.0	2.130	3.006	10.8	19.9	
4 1	10 32.44	+26 27.7	2.202	3.001	13.4	20.1	
4 11	10 27.49	+25 47.1	2.293	2.997	15.7	20.2	
445978	2013 BD_{34}		3 3.3	67.°99	2.°4/ 1.5	18	
2 1	11 21.00	+ 7 49.2	1.246	2.119	16.2	21.0	
2 11	11 15.66	+ 9 9.2	1.202	2.137	11.3	20.7	
2 21	11 7.75	+10 41.6	1.180	2.155	6.0	20.5	
3 2	10 58.40	+12 15.3	1.184	2.173	2.4	20.3	
3 12	10 49.09	+13 38.3	1.214	2.191	6.4	20.6	
3 22	10 41.18	+14 41.8	1.270	2.209	11.4	20.9	
4 1	10 35.71	+15 21.4	1.347	2.228	15.7	21.2	
4 11	10 33.21	+15 36.6	1.443	2.246	19.2	21.5	
23598	1995 WL_{13}		3 3.3	103.°08	1.°2/ 2.3	18	R
2 1	11 19.95	+ 6 38.4	1.641	2.499	13.7	17.9	
2 11	11 14.57	+ 7 35.6	1.580	2.508	9.7	17.6	
2 21	11 7.08	+ 8 44.2	1.543	2.516	5.2	17.4	
3 2	10 58.33	+ 9 57.0	1.534	2.524	1.2	17.1	
3 12	10 49.48	+11 5.4	1.553	2.532	4.9	17.4	
3 22	10 41.62	+12 2.3	1.599	2.540	9.3	17.7	
4 1	10 35.68	+12 42.8	1.669	2.548	13.3	17.9	
4 11	10 32.21	+13 4.9	1.760	2.555	16.5	18.2	

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
501957 2014 YK_{10}			3 3.3	305.°52	6.°6/ 8.4	17
2 1	11 19.58	−10 45.8	1.834	2.621	15.5	20.6
2 11	11 14.47	−11 27.7	1.738	2.604	12.8	20.3
2 21	11 7.18	−11 48.7	1.663	2.587	9.7	20.1
3 2	10 58.37	−11 47.2	1.612	2.570	7.2	19.9
3 12	10 49.06	−11 24.6	1.589	2.553	6.8	19.9
3 22	10 40.37	−10 45.5	1.591	2.536	9.0	19.9
4 1	10 33.33	− 9 56.5	1.619	2.520	12.3	20.1
4 11	10 28.72	− 9 5.7	1.668	2.504	15.5	20.3
240313 2003 GO_{35}			3 3.3	257.°96	11.°4/21.1	17
2 1	11 33.78	+37 31.6	1.873	2.702	13.6	21.6
2 11	11 24.95	+38 58.6	1.804	2.677	12.0	21.4
2 21	11 13.02	+40 8.2	1.760	2.651	11.4	21.3
3 2	10 59.07	+40 48.3	1.741	2.624	12.1	21.3
3 12	10 44.72	+40 51.2	1.747	2.596	13.9	21.4
3 22	10 31.67	+40 15.5	1.775	2.568	16.2	21.5
4 1	10 21.30	+39 5.1	1.823	2.538	18.7	21.6
4 11	10 14.37	+37 27.4	1.887	2.508	20.8	21.7
156470 2002 CM_{37}			3 3.3	355.°18	1.°0/ 2.5	18
2 1	11 20.01	+ 7 42.3	1.743	2.601	13.1	19.8
2 11	11 14.58	+ 8 10.3	1.672	2.600	9.3	19.6
2 21	11 7.09	+ 8 47.1	1.627	2.599	5.0	19.4
3 2	10 58.34	+ 9 27.3	1.608	2.599	1.0	19.1
3 12	10 49.41	+10 4.4	1.618	2.598	4.5	19.3
3 22	10 41.38	+10 33.1	1.655	2.598	8.9	19.6
4 1	10 35.16	+10 49.3	1.717	2.598	12.8	19.8
4 11	10 31.34	+10 51.3	1.799	2.599	16.1	20.0
301081 2008 UD_{265}			3 3.3	293.°48	5.°5/ 7.1	18
2 1	11 20.19	− 6 35.0	1.367	2.192	17.9	20.7
2 11	11 15.45	− 6 52.0	1.279	2.176	14.2	20.4
2 21	11 7.95	− 6 43.6	1.211	2.159	9.9	20.1
3 2	10 58.49	− 6 9.5	1.166	2.142	6.2	19.9
3 12	10 48.39	− 5 14.1	1.147	2.126	6.2	19.8
3 22	10 39.13	− 4 5.7	1.152	2.110	10.1	20.0
4 1	10 32.07	− 2 54.5	1.181	2.094	14.9	20.2
4 11	10 28.11	− 1 50.5	1.229	2.078	19.2	20.4
234833 2002 RG_{132}			3 3.4	222.°45	4.°7/ 7.9	17
2 1	11 18.80	− 8 46.3	2.192	2.979	13.3	20.0
2 11	11 13.47	− 9 3.0	2.107	2.978	10.6	19.9
2 21	11 6.42	− 9 1.7	2.045	2.977	7.7	19.7
3 2	10 58.28	− 8 43.0	2.010	2.976	5.3	19.5
3 12	10 49.91	− 8 9.5	2.004	2.974	5.0	19.5
3 22	10 42.18	− 7 26.1	2.025	2.973	7.2	19.6
4 1	10 35.87	− 6 38.5	2.073	2.971	10.1	19.8
4 11	10 31.53	− 5 52.4	2.145	2.970	12.9	20.0
422229 2014 RR_{62}			3 3.4	160.°87	4.°0/28.6	18
2 1	11 22.27	+15 6.6	1.860	2.724	12.1	21.2
2 11	11 16.09	+16 16.0	1.800	2.729	8.6	20.9
2 21	11 7.87	+17 27.7	1.766	2.734	5.2	20.7
3 2	10 58.45	+18 33.7	1.760	2.738	4.1	20.7
3 12	10 48.92	+19 26.4	1.783	2.742	6.7	20.9
3 22	10 40.33	+20 0.8	1.833	2.745	10.3	21.1
4 1	10 33.59	+20 15.0	1.907	2.748	13.6	21.3
4 11	10 29.23	+20 9.7	2.001	2.750	16.3	21.5
81273 2000 FA_{50}			3 3.4	296.°38	8.°6/11.0	18
2 1	11 16.87	−17 26.4	1.733	2.490	17.5	18.7
2 11	11 12.78	−17 42.6	1.624	2.463	15.0	18.4
2 21	11 6.37	−17 28.3	1.535	2.435	12.1	18.2
3 2	10 58.30	−16 40.5	1.468	2.408	9.6	18.0
3 12	10 49.60	−15 20.4	1.426	2.380	8.6	17.8
3 22	10 41.45	−13 34.5	1.410	2.353	10.1	17.9
4 1	10 35.01	−11 33.2	1.418	2.325	13.2	18.0
4 11	10 31.13	− 9 28.9	1.449	2.298	16.8	18.1
411254 2010 RF_{109}			3 3.4	200.°13	0.°8/ 4.1	18
2 1	11 19.51	+ 1 15.3	1.868	2.706	13.2	21.8
2 11	11 14.18	+ 2 1.1	1.789	2.703	9.7	21.6
2 21	11 6.88	+ 3 2.7	1.734	2.700	5.5	21.3
3 2	10 58.34	+ 4 15.1	1.707	2.697	1.2	21.0
3 12	10 49.56	+ 5 31.0	1.709	2.693	3.7	21.2
3 22	10 41.55	+ 6 43.1	1.740	2.689	8.1	21.4
4 1	10 35.19	+ 7 44.8	1.797	2.684	12.0	21.6
4 11	10 31.10	+ 8 31.9	1.875	2.679	15.3	21.9
506690 2006 TZ_{50}			3 3.4	199.°44	2.°6/ 6.9	17
2 1	11 15.81	− 6 0.9	3.059	3.849	9.8	23.0
2 11	11 10.94	− 5 40.9	2.966	3.845	7.6	22.8
2 21	11 4.88	− 5 7.9	2.898	3.840	5.2	22.7
3 2	10 58.10	− 4 23.6	2.860	3.836	3.0	22.5
3 12	10 51.16	− 3 31.2	2.852	3.830	3.0	22.5
3 22	10 44.65	− 2 34.7	2.874	3.824	5.2	22.6
4 1	10 39.10	− 1 38.4	2.926	3.818	7.7	22.8
4 11	10 34.93	− 0 46.4	3.002	3.811	10.0	22.9

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
317389 2002 PS_2			3 3.4	208.°60	4.°6/ 8.7	17
2 1	11 17.31	−10 51.3	2.483	3.254	12.4	21.3
2 11	11 12.27	−10 47.9	2.390	3.250	10.0	21.1
2 21	11 5.72	−10 26.0	2.321	3.245	7.4	20.9
3 2	10 58.20	− 9 46.4	2.279	3.240	5.1	20.8
3 12	10 50.47	− 8 52.4	2.266	3.235	4.7	20.7
3 22	10 43.27	− 7 48.7	2.282	3.229	6.6	20.8
4 1	10 37.31	− 6 41.2	2.326	3.223	9.2	21.0
4 11	10 33.07	− 5 35.9	2.393	3.216	11.8	21.2
467795 2009 YG_7			3 3.4	105.°62	3.°6/28.7	18
2 1	11 19.53	+14 45.4	1.990	2.855	11.3	21.4
2 11	11 14.00	+15 48.6	1.933	2.864	8.0	21.2
2 21	11 6.67	+16 53.9	1.904	2.873	4.8	21.0
3 2	10 58.31	+17 54.1	1.902	2.882	3.7	20.9
3 12	10 49.90	+18 42.6	1.929	2.890	6.1	21.1
3 22	10 42.35	+19 15.0	1.984	2.899	9.4	21.3
4 1	10 36.46	+19 29.2	2.063	2.907	12.5	21.5
4 11	10 32.70	+19 25.6	2.162	2.915	15.1	21.7
168374 1997 CH_{23}			3 3.4	58.°17	0.°7/ 2.6	18
2 1	11 17.48	+ 6 18.6	2.032	2.884	11.7	20.4
2 11	11 12.42	+ 7 2.0	1.979	2.904	8.2	20.2
2 21	11 5.75	+ 7 53.9	1.952	2.924	4.4	20.0
3 2	10 58.20	+ 8 49.1	1.953	2.944	0.7	19.7
3 12	10 50.66	+ 9 41.3	1.983	2.964	3.8	20.0
3 22	10 43.95	+10 25.6	2.042	2.984	7.5	20.3
4 1	10 38.76	+10 58.1	2.126	3.004	10.8	20.5
4 11	10 35.53	+11 17.1	2.232	3.024	13.6	20.7
409013 2003 AA_{79}			3 3.4	80.°40	2.°2/ 5.3	18
2 1	11 21.90	− 1 23.0	1.733	2.562	14.5	21.0
2 11	11 15.71	− 1 4.0	1.681	2.587	10.7	20.8
2 21	11 7.59	− 0 28.3	1.653	2.613	6.5	20.6
3 2	10 58.42	+ 0 19.9	1.652	2.638	2.6	20.4
3 12	10 49.31	+ 1 14.2	1.679	2.663	3.8	20.5
3 22	10 41.25	+ 2 7.9	1.735	2.688	7.7	20.8
4 1	10 35.09	+ 2 55.0	1.816	2.712	11.4	21.1
4 11	10 31.28	+ 3 31.4	1.920	2.736	14.6	21.3
122410 2000 QD_{90}			3 3.4	213.°27	1.°5/ 5.1	18
2 1	11 17.07	− 2 0.2	2.085	2.909	12.6	20.0
2 11	11 12.31	− 1 5.4	2.000	2.905	9.3	19.7
2 21	11 5.81	+ 0 7.2	1.939	2.900	5.6	19.5
3 2	10 58.23	+ 1 33.1	1.907	2.895	2.0	19.2
3 12	10 50.42	+ 3 5.6	1.905	2.890	3.3	19.3
3 22	10 43.25	+ 4 37.0	1.932	2.884	7.2	19.6
4 1	10 37.51	+ 6 0.1	1.986	2.878	10.9	19.8
4 11	10 33.76	+ 7 9.9	2.064	2.871	14.0	20.0
345572 2006 RW_{104}			3 3.4	272.°28	2.°9/29.4	17
2 1	11 19.39	+14 51.4	2.296	3.156	10.2	21.0
2 11	11 13.77	+15 26.7	2.225	3.153	7.3	20.8
2 21	11 6.53	+16 3.4	2.180	3.149	4.3	20.6
3 2	10 58.31	+16 36.3	2.164	3.146	3.0	20.5
3 12	10 49.97	+17 0.4	2.178	3.143	5.2	20.6
3 22	10 42.33	+17 12.5	2.220	3.139	8.3	20.8
4 1	10 36.13	+17 10.6	2.287	3.136	11.3	21.0
4 11	10 31.85	+16 54.9	2.376	3.132	13.8	21.2
30610 2623 P–L			3 3.4	164.°03	4.°6/28.5	18
2 1	11 25.57	+19 6.2	1.993	2.852	11.6	20.1
2 11	11 18.31	+19 45.0	1.932	2.856	8.5	19.9
2 21	11 9.04	+20 21.2	1.896	2.859	5.5	19.7
3 2	10 58.62	+20 48.0	1.890	2.862	4.7	19.7
3 12	10 48.14	+21 0.0	1.912	2.865	6.9	19.8
3 22	10 38.67	+20 54.5	1.962	2.867	10.1	20.0
4 1	10 31.08	+20 31.4	2.037	2.869	13.1	20.2
4 11	10 25.89	+19 52.5	2.132	2.870	15.7	20.4
369396 2009 VC_{87}			3 3.4	119.°28	0.°6/ 4.0	18
2 1	11 19.15	+ 2 5.6	2.211	3.044	11.6	21.9
2 11	11 13.54	+ 2 44.8	2.147	3.060	8.4	21.7
2 21	11 6.36	+ 3 35.7	2.109	3.076	4.7	21.5
3 2	10 58.29	+ 4 33.6	2.101	3.091	1.0	21.2
3 12	10 50.18	+ 5 33.0	2.122	3.105	3.2	21.4
3 22	10 42.81	+ 6 28.4	2.172	3.119	6.8	21.7
4 1	10 36.89	+ 7 15.2	2.250	3.133	10.1	21.9
4 11	10 32.86	+ 7 50.5	2.351	3.146	12.9	22.1
89763 2002 AY_{60}			3 3.4	114.°17	0.°2/ 3.5	18
2 1	11 21.30	+ 2 36.3	1.631	2.477	14.4	19.6
2 11	11 15.50	+ 3 30.1	1.572	2.492	10.4	19.4
2 21	11 7.59	+ 4 39.3	1.537	2.507	5.7	19.2
3 2	10 58.45	+ 5 57.1	1.530	2.521	0.8	18.9
3 12	10 49.24	+ 7 15.1	1.551	2.534	4.2	19.1
3 22	10 41.08	+ 8 25.0	1.600	2.547	8.8	19.4
4 1	10 34.88	+ 9 21.0	1.674	2.560	12.8	19.7
4 11	10 31.17	+ 9 59.6	1.768	2.572	16.1	20.0

276400 2002 XS_{45} 3 3.4 171.°87 2.°8/29.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 25.13	+12 1.5	1.937	2.790	12.2	20.8
2 11	11 18.07	+12 58.5	1.870	2.795	8.6	20.6
2 21	11 8.96	+14 0.4	1.829	2.800	4.8	20.4
3 2	10 58.62	+15 0.0	1.818	2.803	2.8	20.2
3 12	10 48.14	+15 50.3	1.837	2.805	5.6	20.4
3 22	10 38.60	+16 26.1	1.884	2.807	9.4	20.6
4 1	10 30.88	+16 44.8	1.957	2.807	12.9	20.9
4 11	10 25.57	+16 46.2	2.051	2.806	15.8	21.1

111653 2002 AE_{184} 3 3.4 125.°67 0.°7/ 2.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 17.47	+ 4 2.5	1.904	2.753	12.5	19.5
2 11	11 12.63	+ 5 21.1	1.837	2.760	8.9	19.3
2 21	11 5.99	+ 6 53.3	1.796	2.767	4.8	19.1
3 2	10 58.26	+ 8 32.0	1.784	2.774	0.7	18.8
3 12	10 50.41	+10 8.6	1.801	2.781	4.2	19.1
3 22	10 43.35	+11 35.1	1.846	2.787	8.3	19.3
4 1	10 37.88	+12 45.8	1.918	2.793	12.0	19.6
4 11	10 34.52	+13 37.5	2.011	2.799	15.0	19.8

21846 Wojakowski 3 3.4 306.°38 0.°6/ 3.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 20.10	+ 3 23.0	1.445	2.301	15.4	18.6
2 11	11 15.14	+ 3 42.6	1.365	2.289	11.2	18.3
2 21	11 7.66	+ 4 18.0	1.307	2.277	6.4	18.0
3 2	10 58.49	+ 5 4.4	1.276	2.266	1.2	17.6
3 12	10 48.91	+ 5 54.4	1.271	2.255	4.5	17.8
3 22	10 40.26	+ 6 40.1	1.291	2.244	9.8	18.0
4 1	10 33.71	+ 7 14.9	1.335	2.234	14.5	18.3
4 11	10 30.02	+ 7 34.5	1.399	2.224	18.6	18.5

85423 1996 XX_{36} 3 3.4 24.°34 5.°0/ 8.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 15.89	− 8 58.8	1.786	2.589	15.2	19.3
2 11	11 11.61	− 9 2.3	1.718	2.599	12.1	19.1
2 21	11 5.47	− 8 43.2	1.671	2.608	8.7	18.9
3 2	10 58.21	− 8 3.0	1.650	2.619	5.7	18.7
3 12	10 50.82	− 7 6.5	1.655	2.630	5.3	18.7
3 22	10 44.26	− 6 0.5	1.687	2.642	7.8	18.9
4 1	10 39.35	− 4 52.7	1.745	2.654	11.0	19.1
4 11	10 36.62	− 3 50.3	1.825	2.667	14.1	19.3

330078 2005 VE_{136} 3 3.4 245.°41 2.°8/29.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 20.13	+12 10.3	1.941	2.803	11.8	21.6
2 11	11 14.63	+13 3.3	1.865	2.794	8.3	21.4
2 21	11 7.15	+14 1.6	1.814	2.785	4.7	21.1
3 2	10 58.44	+14 58.8	1.791	2.776	2.8	21.0
3 12	10 49.47	+15 47.7	1.797	2.767	5.6	21.1
3 22	10 41.28	+16 23.0	1.831	2.757	9.4	21.3
4 1	10 34.74	+16 41.6	1.889	2.747	12.9	21.5
4 11	10 30.45	+16 42.7	1.968	2.737	15.9	21.7

290701 2005 UF_{385} 3 3.4 80.°56 2.°5/ 5.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 19.77	− 1 41.0	1.804	2.633	14.0	21.1
2 11	11 14.39	− 1 33.8	1.730	2.635	10.5	20.9
2 21	11 7.02	− 1 10.2	1.679	2.638	6.6	20.6
3 2	10 58.42	− 0 32.8	1.656	2.641	3.0	20.4
3 12	10 49.63	+ 0 12.9	1.660	2.643	3.9	20.5
3 22	10 41.67	+ 1 0.7	1.692	2.646	7.8	20.7
4 1	10 35.44	+ 1 44.6	1.750	2.649	11.6	20.9
4 11	10 31.52	+ 2 19.6	1.829	2.652	14.9	21.2

301207 2009 AQ_{34} 3 3.4 94.°79 0.°2/ 3.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 22.93	+ 4 33.6	1.497	2.350	15.1	21.0
2 11	11 16.77	+ 5 12.5	1.443	2.367	10.8	20.7
2 21	11 8.33	+ 6 4.8	1.412	2.383	5.9	20.5
3 2	10 58.57	+ 7 3.9	1.408	2.399	0.7	20.2
3 12	10 48.80	+ 8 1.5	1.432	2.414	4.5	20.5
3 22	10 40.23	+ 8 50.3	1.482	2.430	9.3	20.8
4 1	10 33.83	+ 9 25.4	1.557	2.445	13.5	21.1
4 11	10 30.13	+ 9 44.1	1.653	2.460	16.9	21.3

462375 2008 SH_{108} 3 3.4 284.°56 0.°4/ 3.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 23.29	+ 5 0.9	1.893	2.735	12.9	21.5
2 11	11 17.10	+ 4 59.7	1.792	2.709	9.4	21.3
2 21	11 8.65	+ 5 7.8	1.715	2.684	5.4	21.0
3 2	10 58.65	+ 5 22.2	1.667	2.658	0.9	20.6
3 12	10 48.13	+ 5 38.4	1.648	2.632	3.9	20.7
3 22	10 38.22	+ 5 51.7	1.658	2.605	8.5	21.0
4 1	10 30.00	+ 5 58.2	1.693	2.579	12.7	21.2
4 11	10 24.21	+ 5 54.9	1.750	2.552	16.3	21.3

1784 Benguella 3 3.4 255.°90 0.°9/ 2.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 20.71	+ 6 18.5	1.703	2.558	13.5	16.2
2 11	11 15.30	+ 7 1.5	1.620	2.546	9.7	15.9
2 21	11 7.65	+ 7 56.8	1.561	2.533	5.2	15.6
3 2	10 58.52	+ 8 58.3	1.529	2.520	0.9	15.3
3 12	10 49.02	+ 9 58.3	1.526	2.507	4.7	15.5
3 22	10 40.32	+10 49.6	1.550	2.493	9.4	15.8
4 1	10 33.45	+11 26.8	1.599	2.479	13.6	16.0
4 11	10 29.11	+11 47.0	1.668	2.465	17.2	16.2

50168 2000 AH_{155} 3 3.4 260.°31 2.°7/ 5.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 22.73	− 0 49.9	1.385	2.227	16.8	18.7
2 11	11 17.10	− 0 49.7	1.308	2.221	12.6	18.5
2 21	11 8.77	− 0 29.6	1.253	2.216	7.8	18.2
3 2	10 58.66	+ 0 7.2	1.224	2.210	3.3	17.9
3 12	10 48.15	+ 0 54.5	1.220	2.205	4.7	18.0
3 22	10 38.67	+ 1 44.2	1.243	2.199	9.7	18.2
4 1	10 31.47	+ 2 28.3	1.289	2.193	14.5	18.5
4 11	10 27.30	+ 3 0.8	1.355	2.188	18.6	18.7

117467 2005 BE_{11} 3 3.4 339.°51 0.°1/ 3.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 20.61	+ 5 9.6	1.375	2.237	15.6	19.6
2 11	11 15.53	+ 5 31.5	1.305	2.233	11.2	19.3
2 21	11 7.86	+ 6 7.4	1.257	2.229	6.2	19.0
3 2	10 58.56	+ 6 51.6	1.234	2.225	0.7	18.6
3 12	10 48.95	+ 7 36.2	1.238	2.222	4.8	18.9
3 22	10 40.42	+ 8 13.6	1.268	2.219	10.1	19.2
4 1	10 34.13	+ 8 38.1	1.320	2.217	14.8	19.5
4 11	10 30.76	+ 8 46.5	1.391	2.215	18.7	19.7

212599 2006 SN_{239} 3 3.4 159.°81 0.°2/ 3.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 16.78	+ 5 18.1	2.768	3.606	9.4	21.7
2 11	11 11.69	+ 5 55.1	2.694	3.611	6.7	21.5
2 21	11 5.34	+ 6 39.7	2.646	3.616	3.6	21.3
3 2	10 58.23	+ 7 28.0	2.629	3.620	0.4	21.1
3 12	10 51.03	+ 8 15.7	2.643	3.624	2.9	21.3
3 22	10 44.37	+ 8 58.8	2.687	3.628	6.0	21.5
4 1	10 38.81	+ 9 34.1	2.758	3.631	8.8	21.7
4 11	10 34.78	+ 9 59.4	2.853	3.634	11.2	21.9

206086 2002 RH_{124} 3 3.4 145.°24 4.°5/27.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 18.85	+19 14.1	2.329	3.193	10.0	20.2
2 11	11 13.39	+20 24.7	2.273	3.199	7.3	20.0
2 21	11 6.33	+21 33.9	2.243	3.204	5.0	19.9
3 2	10 58.35	+22 34.8	2.243	3.209	4.7	19.9
3 12	10 50.29	+23 21.7	2.272	3.214	6.7	20.0
3 22	10 42.97	+23 51.2	2.328	3.219	9.3	20.2
4 1	10 37.09	+24 1.9	2.409	3.224	11.9	20.4
4 11	10 33.12	+23 54.8	2.509	3.228	14.1	20.5

504925 2011 BU_{123} 3 3.4 217.°57 3.°1/29.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 18.14	+12 0.1	1.869	2.735	11.9	21.2
2 11	11 13.23	+13 16.8	1.802	2.734	8.4	20.9
2 21	11 6.39	+14 39.8	1.761	2.732	4.8	20.7
3 2	10 58.38	+16 1.2	1.748	2.731	3.2	20.6
3 12	10 50.18	+17 12.7	1.764	2.730	6.1	20.8
3 22	10 42.80	+18 8.1	1.806	2.728	9.8	21.0
4 1	10 37.07	+18 43.8	1.873	2.727	13.2	21.2
4 11	10 33.58	+18 59.1	1.961	2.725	16.1	21.4

87004 2000 JU_{49} 3 3.4 212.°89 2.°4/ 1.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 24.94	+11 10.9	1.682	2.541	13.4	19.7
2 11	11 18.29	+11 48.0	1.608	2.536	9.5	19.5
2 21	11 9.27	+12 31.3	1.558	2.530	5.3	19.2
3 2	10 58.74	+13 13.9	1.536	2.524	2.4	19.0
3 12	10 47.95	+13 48.6	1.543	2.517	5.7	19.2
3 22	10 38.13	+14 10.0	1.577	2.510	10.1	19.4
4 1	10 30.35	+14 15.1	1.636	2.502	14.1	19.7
4 11	10 25.28	+14 3.5	1.714	2.494	17.5	19.9

367908 2012 BS_{56} 3 3.4 352.°94 5.°2/ 6.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 20.66	− 3 42.6	1.258	2.099	18.2	19.9
2 11	11 15.80	− 4 29.4	1.186	2.093	14.2	19.7
2 21	11 8.14	− 4 55.2	1.134	2.088	9.7	19.4
3 2	10 58.62	− 4 59.6	1.106	2.085	5.8	19.2
3 12	10 48.68	− 4 46.0	1.102	2.083	6.1	19.2
3 22	10 39.84	− 4 20.8	1.123	2.081	10.2	19.4
4 1	10 33.40	− 3 51.8	1.165	2.081	14.8	19.6
4 11	10 30.14	− 3 26.9	1.227	2.082	18.9	19.9

417627 2006 WH_{170} 3 3.4 291.°93 10.°8/21.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 23.13	+32 53.4	1.654	2.514	13.5	20.7
2 11	11 17.30	+34 42.3	1.605	2.505	11.6	20.5
2 21	11 8.82	+36 16.6	1.580	2.496	10.8	20.5
3 2	10 58.68	+37 24.2	1.580	2.487	11.6	20.5
3 12	10 48.35	+37 57.1	1.603	2.478	13.6	20.6
3 22	10 39.23	+37 53.3	1.648	2.469	16.1	20.7
4 1	10 32.49	+37 15.4	1.712	2.461	18.5	20.9
4 11	10 28.77	+36 9.2	1.790	2.452	20.7	21.0

458138 2010 HJ_{18} 3 3.4 159.°01 4.°5/27.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 21.04	+16 43.3	2.077	2.940	11.0	21.5
2 11	11 15.12	+18 22.4	2.020	2.947	7.9	21.3
2 21	11 7.36	+20 2.7	1.991	2.955	5.2	21.2
3 2	10 58.51	+21 35.6	1.991	2.961	4.8	21.2
3 12	10 49.52	+22 53.0	2.021	2.967	7.1	21.3
3 22	10 41.37	+23 49.8	2.079	2.972	10.2	21.5
4 1	10 34.84	+24 24.1	2.161	2.976	13.1	21.7
4 11	10 30.49	+24 36.7	2.262	2.979	15.5	21.9

32838 1992 EL_8 3 3.4 164.°01 2.°5/ 1.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 21.59	+ 9 47.6	1.754	2.614	12.9	18.3
2 11	11 15.75	+11 2.2	1.689	2.619	9.1	18.0
2 21	11 7.80	+12 25.4	1.650	2.623	4.9	17.8
3 2	10 58.57	+13 48.8	1.640	2.627	2.6	17.6
3 12	10 49.18	+15 3.8	1.658	2.630	5.7	17.9
3 22	10 40.73	+16 3.3	1.704	2.632	9.8	18.1
4 1	10 34.14	+16 43.3	1.775	2.634	13.5	18.3
4 11	10 30.00	+17 2.9	1.865	2.636	16.6	18.5

466397 2013 SS_{56} 3 3.4 141.°06 2.°1/ 1.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 19.45	+10 43.6	2.117	2.974	11.1	21.5
2 11	11 13.91	+11 35.7	2.052	2.980	7.8	21.3
2 21	11 6.67	+12 33.2	2.014	2.986	4.3	21.1
3 2	10 58.43	+13 30.1	2.005	2.992	2.1	20.9
3 12	10 50.09	+14 20.3	2.026	2.998	4.8	21.1
3 22	10 42.53	+14 58.9	2.074	3.003	8.3	21.3
4 1	10 36.49	+15 23.0	2.149	3.008	11.5	21.6
4 11	10 32.47	+15 31.7	2.244	3.013	14.2	21.8

379174 2009 RY_2 3 3.4 207.°92 1.°3/ 2.0 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 22.79	+ 9 45.3	2.475	3.318	10.2	22.2
2 11	11 16.16	+10 13.1	2.390	3.311	7.2	22.0
2 21	11 7.89	+10 45.8	2.332	3.303	3.9	21.8
3 2	10 58.59	+11 19.1	2.305	3.294	1.3	21.6
3 12	10 49.09	+11 48.5	2.309	3.284	3.9	21.8
3 22	10 40.21	+12 10.2	2.343	3.274	7.3	22.0
4 1	10 32.69	+12 21.7	2.404	3.263	10.5	22.1
4 11	10 27.05	+12 21.6	2.488	3.251	13.1	22.3

417078 2005 UQ_{251} 3 3.4 51.°93 14.°8/19.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 35.87	+47 14.0	1.675	2.477	16.2	20.3
2 11	11 26.24	+48 27.3	1.658	2.488	15.1	20.2
2 21	11 13.46	+49 9.1	1.662	2.500	14.8	20.2
3 2	10 59.22	+49 9.9	1.687	2.513	15.3	20.3
3 12	10 45.60	+48 27.1	1.732	2.525	16.5	20.4
3 22	10 34.30	+47 4.8	1.797	2.538	17.9	20.5
4 1	10 26.37	+45 11.0	1.879	2.551	19.4	20.7
4 11	10 22.13	+42 55.2	1.975	2.564	20.8	20.8

38183 1999 JM_{125} 3 3.4 214.°93 0.°9/ 4.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 21.83	+ 1 55.3	1.906	2.741	13.1	19.4
2 11	11 15.89	+ 2 23.3	1.821	2.734	9.6	19.1
2 21	11 7.91	+ 3 5.4	1.760	2.726	5.5	18.9
3 2	10 58.60	+ 3 57.4	1.728	2.718	1.3	18.5
3 12	10 48.98	+ 4 53.2	1.725	2.709	3.7	18.7
3 22	10 40.11	+ 5 46.4	1.751	2.699	8.1	18.9
4 1	10 32.91	+ 6 31.4	1.803	2.689	12.0	19.2
4 11	10 28.02	+ 7 4.0	1.876	2.678	15.4	19.4

293626 2007 MG_{13} 3 3.4 249.°54 3.°8/28.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 22.07	+13 6.0	1.725	2.590	12.8	20.9
2 11	11 16.38	+14 24.1	1.641	2.572	9.1	20.6
2 21	11 8.32	+15 49.7	1.583	2.554	5.4	20.4
3 2	10 58.66	+17 14.0	1.553	2.535	3.9	20.2
3 12	10 48.55	+18 27.2	1.552	2.515	7.0	20.4
3 22	10 39.22	+19 21.8	1.577	2.495	11.2	20.6
4 1	10 31.78	+19 53.8	1.626	2.474	15.1	20.8
4 11	10 26.96	+20 2.6	1.694	2.452	18.5	20.9

120964 1998 VK_{22} 3 3.4 143.°04 0.°8/ 4.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 23.81	+ 2 10.4	1.723	2.561	14.2	20.5
2 11	11 17.28	+ 2 40.3	1.657	2.572	10.3	20.3
2 21	11 8.61	+ 3 24.5	1.616	2.582	5.9	20.1
3 2	10 58.68	+ 4 18.1	1.602	2.592	1.3	19.8
3 12	10 48.62	+ 5 14.1	1.618	2.601	3.9	20.0
3 22	10 39.57	+ 6 5.8	1.661	2.610	8.4	20.3
4 1	10 32.47	+ 6 47.6	1.730	2.617	12.4	20.5
4 11	10 27.87	+ 7 16.0	1.821	2.624	15.8	20.8

350613 2001 SZ_{96} 3 3.4 264.°08 2.°2/ 5.0 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 21.30	− 0 53.9	1.531	2.369	15.6	21.5
2 11	11 16.04	− 0 34.1	1.441	2.353	11.8	21.2
2 21	11 8.23	+ 0 6.1	1.373	2.336	7.2	20.9
3 2	10 58.66	+ 1 3.2	1.331	2.318	2.7	20.5
3 12	10 48.55	+ 2 10.3	1.316	2.301	4.4	20.6
3 22	10 39.22	+ 3 18.9	1.328	2.283	9.4	20.8
4 1	10 31.89	+ 4 20.4	1.364	2.264	14.2	21.1
4 11	10 27.38	+ 5 8.4	1.420	2.246	18.3	21.3

303384 2004 XH_{32} 3 3.4 62.°73 6.°8/27.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 23.24	+19 6.8	1.301	2.181	15.1	19.9
2 11	11 17.25	+20 37.6	1.267	2.201	11.0	19.7
2 21	11 8.65	+22 4.7	1.257	2.221	7.5	19.6
3 2	10 58.67	+23 16.0	1.272	2.241	7.1	19.6
3 12	10 48.83	+24 1.9	1.312	2.261	9.8	19.8
3 22	10 40.54	+24 18.9	1.376	2.281	13.5	20.1
4 1	10 34.78	+24 7.6	1.461	2.301	17.0	20.3
4 11	10 32.03	+23 32.3	1.563	2.322	19.8	20.6

360425 2002 GF_{181} 3 3.4 217.°35 4.°2/28.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 23.94	+17 15.5	2.082	2.940	11.2	21.7
2 11	11 17.29	+18 14.0	2.006	2.931	8.1	21.5
2 21	11 8.63	+19 13.1	1.956	2.921	5.2	21.3
3 2	10 58.69	+20 5.6	1.936	2.910	4.4	21.2
3 12	10 48.51	+20 44.9	1.945	2.898	6.7	21.4
3 22	10 39.11	+21 6.6	1.981	2.886	10.0	21.5
4 1	10 31.41	+21 9.1	2.043	2.872	13.2	21.7
4 11	10 26.00	+20 53.3	2.125	2.858	15.9	21.9

458134 2010 FV_{92} 3 3.4 344.°73 5.°7/28.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 16.13	+13 51.2	1.009	1.906	16.8	20.3
2 11	11 13.02	+15 17.7	0.950	1.896	12.0	20.0
2 21	11 6.78	+16 53.7	0.911	1.886	7.3	19.7
3 2	10 58.48	+18 25.1	0.896	1.878	5.9	19.6
3 12	10 49.80	+19 36.8	0.903	1.871	9.9	19.8
3 22	10 42.47	+20 18.7	0.931	1.865	15.1	20.0
4 1	10 37.90	+20 27.1	0.978	1.861	19.9	20.3
4 11	10 36.85	+20 3.5	1.039	1.858	24.0	20.6

410194 2007 RR_{138} 3 3.4 218.°88 0.°2/ 3.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 24.42	+ 5 40.1	1.880	2.722	13.0	22.2
2 11	11 17.78	+ 5 59.7	1.795	2.714	9.4	22.0
2 21	11 8.96	+ 6 29.4	1.735	2.705	5.2	21.7
3 2	10 58.74	+ 7 4.8	1.704	2.695	0.6	21.3
3 12	10 48.20	+ 7 40.0	1.702	2.684	4.1	21.6
3 22	10 38.45	+ 8 9.7	1.729	2.673	8.5	21.8
4 1	10 30.47	+ 8 29.6	1.782	2.661	12.5	22.0
4 11	10 24.94	+ 8 37.3	1.857	2.648	15.9	22.2

330439 2007 DR_{55} 3 3.4 194.°33 1.°7/ 1.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 19.90	+ 9 17.8	1.988	2.844	11.8	21.3
2 11	11 14.38	+10 3.6	1.916	2.843	8.3	21.1
2 21	11 7.00	+10 56.6	1.870	2.842	4.5	20.8
3 2	10 58.49	+11 51.0	1.852	2.841	1.7	20.6
3 12	10 49.81	+12 40.3	1.863	2.839	4.7	20.8
3 22	10 41.90	+13 19.2	1.902	2.837	8.5	21.0
4 1	10 35.60	+13 44.0	1.967	2.835	12.0	21.3
4 11	10 31.46	+13 53.4	2.053	2.832	15.0	21.5

384104 2008 WR_{70} 3 3.4 91.°33 5.°4/26.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 21.12	+22 19.5	2.242	3.104	10.4	20.9
2 11	11 14.93	+23 30.6	2.207	3.128	7.7	20.7
2 21	11 7.14	+24 36.4	2.198	3.151	5.7	20.7
3 2	10 58.49	+25 30.0	2.218	3.174	5.6	20.7
3 12	10 49.93	+26 6.2	2.267	3.197	7.4	20.8
3 22	10 42.28	+26 22.7	2.342	3.219	9.9	21.0
4 1	10 36.25	+26 19.5	2.441	3.241	12.2	21.2
4 11	10 32.24	+25 58.7	2.560	3.262	14.2	21.4

114911 2003 QR_{30} 3 3.4 104.°28 0.°2/ 3.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 23.30	+ 5 38.2	2.134	2.973	11.8	19.4
2 11	11 16.53	+ 5 41.1	2.071	2.987	8.4	19.2
2 21	11 8.06	+ 5 51.7	2.033	3.001	4.7	19.0
3 2	10 58.62	+ 6 6.5	2.024	3.015	0.6	18.7
3 12	10 49.15	+ 6 21.5	2.046	3.029	3.4	19.0
3 22	10 40.54	+ 6 33.0	2.097	3.042	7.2	19.3
4 1	10 33.55	+ 6 38.1	2.175	3.055	10.5	19.5
4 11	10 28.64	+ 6 34.9	2.276	3.068	13.3	19.7

65453 2002 VJ_{68} 3 3.4 185.°46 2.°6/ 6.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 19.02	− 3 27.3	2.518	3.324	11.3	19.3
2 11	11 13.45	− 3 26.7	2.433	3.324	8.6	19.1
2 21	11 6.39	− 3 13.1	2.374	3.323	5.6	18.9
3 2	10 58.42	− 2 48.3	2.342	3.323	3.0	18.8
3 12	10 50.28	− 2 15.4	2.341	3.322	3.3	18.8
3 22	10 42.70	− 1 38.7	2.370	3.320	6.1	19.0
4 1	10 36.36	− 1 2.4	2.426	3.318	9.1	19.1
4 11	10 31.74	− 0 30.6	2.506	3.316	11.7	19.3

404523 2013 HA_{111} 3 3.4 53.°06 0.°5/ 3.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 20.80	+ 2 53.7	1.304	2.163	16.5	20.9
2 11	11 15.54	+ 3 27.1	1.251	2.177	11.9	20.7
2 21	11 7.79	+ 4 17.7	1.220	2.191	6.6	20.4
3 2	10 58.59	+ 5 18.7	1.215	2.205	1.1	20.1
3 12	10 49.35	+ 6 20.8	1.236	2.220	4.6	20.4
3 22	10 41.39	+ 7 15.5	1.282	2.235	9.8	20.7
4 1	10 35.76	+ 7 56.3	1.351	2.251	14.3	21.0
4 11	10 33.01	+ 8 19.9	1.440	2.266	18.1	21.3

519623 2012 US_{181} 3 3.4 266.°81 3.°1/ 6.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 15.89	− 5 55.1	2.287	3.091	12.3	21.6
2 11	11 11.40	− 5 34.2	2.198	3.085	9.5	21.4
2 21	11 5.34	− 4 56.0	2.133	3.079	6.4	21.2
3 2	10 58.30	− 4 2.5	2.095	3.073	3.6	21.0
3 12	10 51.04	− 2 58.4	2.087	3.067	3.7	21.0
3 22	10 44.35	− 1 49.2	2.107	3.061	6.5	21.1
4 1	10 38.94	− 0 41.3	2.154	3.055	9.7	21.3
4 11	10 35.32	+ 0 19.9	2.226	3.048	12.6	21.5

72325 2001 BT_{55} 3 3.4 141.°02 1.°7/ 1.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 22.39	+ 8 46.8	1.822	2.676	12.7	20.1
2 11	11 16.19	+ 9 37.7	1.760	2.686	9.0	19.9
2 21	11 7.99	+10 36.6	1.723	2.695	4.8	19.6
3 2	10 58.62	+11 36.8	1.715	2.704	1.7	19.4
3 12	10 49.16	+12 31.0	1.736	2.712	4.9	19.7
3 22	10 40.65	+13 13.5	1.785	2.720	9.0	19.9
4 1	10 33.97	+13 40.7	1.859	2.727	12.6	20.2
4 11	10 29.65	+13 51.3	1.954	2.733	15.7	20.4

383775 2007 VC_{301} 3 3.4 92.°96 4.°4/27.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 17.60	+18 18.0	2.277	3.144	10.1	20.7
2 11	11 12.52	+19 36.6	2.228	3.156	7.3	20.6
2 21	11 5.88	+20 54.3	2.205	3.168	4.9	20.4
3 2	10 58.36	+22 4.0	2.212	3.180	4.6	20.4
3 12	10 50.79	+22 59.6	2.247	3.191	6.6	20.6
3 22	10 43.97	+23 37.5	2.310	3.203	9.3	20.8
4 1	10 38.58	+23 56.1	2.397	3.215	11.9	21.0
4 11	10 35.08	+23 56.3	2.504	3.226	14.0	21.1

457833 2009 SN_{79} 3 3.4 275.°63 2.°3/ 5.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 20.11	− 1 14.2	1.847	2.676	13.8	21.2
2 11	11 14.88	− 1 1.9	1.747	2.654	10.4	20.9
2 21	11 7.48	− 0 32.7	1.671	2.631	6.5	20.6
3 2	10 58.59	+ 0 10.9	1.622	2.608	2.7	20.3
3 12	10 49.21	+ 1 3.8	1.601	2.585	3.9	20.3
3 22	10 40.42	+ 1 59.5	1.608	2.561	8.2	20.5
4 1	10 33.26	+ 2 51.3	1.640	2.537	12.4	20.7
4 11	10 28.46	+ 3 33.4	1.695	2.513	16.1	20.9

337578 2001 SH_{321} 3 3.4 137.°90 3.°3/ 7.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 17.17	− 7 51.2	2.806	3.588	10.8	21.5
2 11	11 11.97	− 7 39.9	2.728	3.599	8.5	21.3
2 21	11 5.52	− 7 14.0	2.675	3.610	5.9	21.2
3 2	10 58.32	− 6 35.0	2.651	3.621	3.8	21.1
3 12	10 51.03	− 5 46.4	2.656	3.631	3.6	21.1
3 22	10 44.28	− 4 52.2	2.692	3.641	5.6	21.2
4 1	10 38.64	− 3 57.3	2.755	3.650	8.1	21.4
4 11	10 34.51	− 3 5.9	2.844	3.659	10.4	21.5

371261 2006 BS_{255} 3 3.4 42.°98 3.°5/ 6.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 20.26	− 3 8.7	1.579	2.409	15.7	20.4
2 11	11 14.85	− 3 17.6	1.521	2.424	11.9	20.2
2 21	11 7.32	− 3 7.4	1.485	2.440	7.7	19.9
3 2	10 58.55	− 2 40.7	1.474	2.456	4.0	19.8
3 12	10 49.71	− 2 2.8	1.491	2.473	4.5	19.8
3 22	10 41.94	− 1 20.4	1.534	2.490	8.2	20.1
4 1	10 36.12	− 0 40.2	1.602	2.508	12.1	20.3
4 11	10 32.81	− 0 7.6	1.691	2.526	15.4	20.6

452508 2004 RM_{184} 3 3.4 148.°84 3.°2/ 6.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 22.91	− 3 41.8	1.747	2.564	14.9	21.7
2 11	11 16.69	− 3 33.0	1.675	2.572	11.4	21.5
2 21	11 8.34	− 3 5.2	1.626	2.580	7.3	21.2
3 2	10 58.68	− 2 21.0	1.604	2.586	3.7	21.0
3 12	10 48.84	− 1 26.1	1.611	2.593	4.2	21.1
3 22	10 39.94	− 0 27.7	1.645	2.599	8.1	21.3
4 1	10 32.91	+ 0 27.5	1.706	2.604	12.0	21.6
4 11	10 28.35	+ 1 13.5	1.789	2.608	15.3	21.8

133633 2003 UN_{141} 3 3.4 242.°38 2.°3/ 1.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 20.27	+ 9 4.3	1.817	2.676	12.6	20.6
2 11	11 14.95	+10 19.9	1.733	2.662	8.9	20.3
2 21	11 7.48	+11 46.6	1.675	2.647	4.9	20.0
3 2	10 58.59	+13 16.5	1.645	2.632	2.4	19.8
3 12	10 49.32	+14 40.6	1.644	2.616	5.6	20.0
3 22	10 40.77	+15 50.9	1.670	2.600	9.9	20.2
4 1	10 33.94	+16 42.2	1.722	2.583	13.8	20.4
4 11	10 29.51	+17 12.3	1.793	2.565	17.1	20.6

123341 2000 VQ_{54} 3 3.4 148.°20 1.°0/ 4.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 20.19	+ 1 48.0	2.179	3.010	11.9	20.5
2 11	11 14.41	+ 2 8.5	2.106	3.016	8.6	20.3
2 21	11 6.96	+ 2 40.5	2.058	3.023	5.0	20.1
3 2	10 58.51	+ 3 20.6	2.039	3.029	1.4	19.8
3 12	10 49.94	+ 4 3.8	2.050	3.034	3.2	20.0
3 22	10 42.09	+ 4 45.0	2.091	3.040	6.9	20.2
4 1	10 35.72	+ 5 20.0	2.158	3.044	10.3	20.4
4 11	10 31.31	+ 5 45.4	2.248	3.049	13.2	20.6

62893 2000 UM_{101} 3 3.4 342.°52 0.°4/ 3.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 23.37	+ 6 39.0	1.419	2.279	15.3	19.1
2 11	11 17.44	+ 6 50.3	1.350	2.277	11.0	18.8
2 21	11 8.92	+ 7 12.5	1.304	2.276	6.0	18.5
3 2	10 58.77	+ 7 40.3	1.283	2.274	0.7	18.2
3 12	10 48.36	+ 8 6.8	1.290	2.273	4.9	18.4
3 22	10 39.07	+ 8 25.9	1.322	2.272	10.0	18.7
4 1	10 32.06	+ 8 33.3	1.378	2.271	14.6	19.0
4 11	10 28.00	+ 8 26.6	1.454	2.270	18.4	19.2

40454 1999 RY_{39} 3 3.4 190.°78 2.°5/ 6.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 17.73	− 4 25.9	2.415	3.221	11.7	20.0
2 11	11 12.61	− 3 58.7	2.329	3.220	8.9	19.8
2 21	11 5.97	− 3 16.0	2.268	3.218	5.8	19.6
3 2	10 58.39	− 2 20.1	2.235	3.216	3.0	19.4
3 12	10 50.63	− 1 15.8	2.231	3.213	3.3	19.4
3 22	10 43.44	− 0 8.5	2.258	3.210	6.3	19.6
4 1	10 37.51	+ 0 56.0	2.313	3.207	9.4	19.8
4 11	10 33.32	+ 1 53.1	2.391	3.203	12.2	20.0

12003 Hideosugai 3 3.4 62.°30 2.°2/ 1.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 19.06	+12 49.2	2.364	3.221	10.1	17.2
2 11	11 13.47	+13 16.8	2.302	3.229	7.1	17.0
2 21	11 6.38	+13 46.8	2.266	3.237	4.0	16.8
3 2	10 58.44	+14 14.5	2.259	3.245	2.2	16.7
3 12	10 50.45	+14 35.6	2.282	3.253	4.5	16.8
3 22	10 43.19	+14 46.9	2.334	3.261	7.6	17.1
4 1	10 37.31	+14 46.7	2.412	3.270	10.5	17.2
4 11	10 33.26	+14 34.6	2.511	3.278	12.9	17.4

87655 2000 RW_{88} 3 3.4 80.°32 4.°9/ 7.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 22.97	− 6 31.7	1.839	2.641	14.9	19.4
2 11	11 16.72	− 7 8.0	1.763	2.646	11.8	19.2
2 21	11 8.36	− 7 26.2	1.711	2.650	8.3	19.0
3 2	10 58.70	− 7 26.2	1.684	2.655	5.5	18.8
3 12	10 48.80	− 7 10.9	1.686	2.659	5.4	18.8
3 22	10 39.75	− 6 44.8	1.715	2.664	8.2	19.0
4 1	10 32.49	− 6 14.0	1.770	2.669	11.5	19.2
4 11	10 27.64	− 5 44.5	1.847	2.673	14.7	19.4

132135 2002 CN_{249} 3 3.4 219.°31 2.°1/ 5.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 20.99	− 1 8.4	1.687	2.519	14.7	20.3
2 11	11 15.49	− 0 48.2	1.606	2.515	11.0	20.0
2 21	11 7.78	− 0 9.8	1.549	2.510	6.7	19.8
3 2	10 58.63	+ 0 43.3	1.518	2.505	2.6	19.5
3 12	10 49.17	+ 1 44.6	1.515	2.500	4.0	19.6
3 22	10 40.55	+ 2 46.7	1.540	2.494	8.4	19.8
4 1	10 33.78	+ 3 42.4	1.590	2.488	12.7	20.0
4 11	10 29.53	+ 4 26.2	1.662	2.482	16.3	20.3

292646 2006 UT_{38} 3 3.4 214.°51 3.°2/ 7.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 15.89	− 7 10.1	2.679	3.469	11.1	21.6
2 11	11 11.21	− 6 52.7	2.587	3.464	8.7	21.5
2 21	11 5.18	− 6 19.8	2.519	3.459	6.0	21.3
3 2	10 58.30	− 5 33.1	2.480	3.454	3.7	21.1
3 12	10 51.24	− 4 36.2	2.471	3.448	3.5	21.1
3 22	10 44.67	− 3 33.7	2.491	3.442	5.8	21.2
4 1	10 39.19	− 2 30.9	2.539	3.436	8.5	21.4
4 11	10 35.27	− 1 32.5	2.612	3.430	11.1	21.6

282850 2006 WX_{100} 3 3.4 135.°40 2.°0/ 5.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 17.32	− 1 45.1	2.584	3.399	10.7	20.8
2 11	11 12.19	− 1 35.1	2.506	3.404	8.0	20.6
2 21	11 5.68	− 1 13.3	2.453	3.409	5.0	20.4
3 2	10 58.36	− 0 41.9	2.429	3.414	2.3	20.3
3 12	10 50.92	− 0 4.6	2.436	3.418	2.9	20.3
3 22	10 44.04	+ 0 34.5	2.471	3.423	5.8	20.5
4 1	10 38.35	+ 1 11.3	2.534	3.427	8.7	20.7
4 11	10 34.28	+ 1 42.3	2.622	3.431	11.3	20.9

247847 2003 SH_{352} 3 3.4 228.°85 1.°1/ 2.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 22.43	+ 7 33.1	1.972	2.820	12.2	22.2
2 11	11 16.33	+ 8 15.0	1.885	2.808	8.7	21.9
2 21	11 8.18	+ 9 6.5	1.824	2.795	4.7	21.6
3 2	10 58.69	+10 1.8	1.791	2.781	1.2	21.4
3 12	10 48.86	+10 54.5	1.788	2.767	4.5	21.6
3 22	10 39.74	+11 38.4	1.814	2.751	8.7	21.8
4 1	10 32.26	+12 9.4	1.865	2.735	12.5	22.0
4 11	10 27.07	+12 25.0	1.938	2.719	15.7	22.2

326984 2004 PM_5 3 3.4 187.°34 1.°2/ 4.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 19.12	+ 0 18.0	2.398	3.221	11.2	22.1
2 11	11 13.59	+ 0 47.9	2.314	3.220	8.2	21.9
2 21	11 6.50	+ 1 30.2	2.257	3.219	4.9	21.7
3 2	10 58.47	+ 2 21.5	2.229	3.218	1.6	21.5
3 12	10 50.25	+ 3 17.0	2.232	3.215	3.0	21.6
3 22	10 42.64	+ 4 11.5	2.264	3.213	6.5	21.8
4 1	10 36.32	+ 5 0.2	2.323	3.209	9.7	22.0
4 11	10 31.80	+ 5 39.6	2.407	3.205	12.5	22.2

362079 2009 BG_{111} 3 3.4 339.°49 4.°4/29.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 16.90	+12 17.0	1.167	2.055	15.8	19.8
2 11	11 13.29	+13 34.7	1.102	2.044	11.2	19.5
2 21	11 6.84	+15 2.9	1.060	2.034	6.5	19.2
3 2	10 58.53	+16 29.6	1.041	2.025	4.6	19.0
3 12	10 49.85	+17 42.0	1.046	2.017	8.4	19.2
3 22	10 42.34	+18 30.5	1.075	2.010	13.5	19.5
4 1	10 37.30	+18 50.4	1.123	2.004	18.1	19.7
4 11	10 35.48	+18 41.9	1.188	1.999	22.0	19.9

35678 1998 XW_{96} 3 3.4 275.°22 1.°4/ 4.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 22.23	+ 1 20.9	1.567	2.410	15.1	18.4
2 11	11 16.75	+ 1 35.9	1.471	2.387	11.2	18.1
2 21	11 8.69	+ 2 8.1	1.397	2.363	6.7	17.8
3 2	10 58.78	+ 2 54.1	1.350	2.339	2.0	17.4
3 12	10 48.23	+ 3 47.3	1.330	2.315	4.4	17.5
3 22	10 38.38	+ 4 40.1	1.337	2.290	9.6	17.8
4 1	10 30.50	+ 5 25.2	1.369	2.265	14.4	18.0
4 11	10 25.44	+ 5 57.0	1.420	2.240	18.6	18.2

387514 1999 RM_{190} 3 3.4 204.°55 1.°0/ 2.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 24.18	+ 6 21.6	1.806	2.652	13.2	22.2
2 11	11 17.68	+ 7 10.3	1.725	2.647	9.5	21.9
2 21	11 8.95	+ 8 10.5	1.670	2.640	5.1	21.6
3 2	10 58.79	+ 9 16.1	1.643	2.633	1.0	21.3
3 12	10 48.30	+10 19.4	1.645	2.625	4.6	21.6
3 22	10 38.66	+11 13.3	1.676	2.615	9.1	21.8
4 1	10 30.86	+11 53.0	1.733	2.605	13.2	22.0
4 11	10 25.57	+12 15.9	1.811	2.593	16.6	22.2

35424 1998 BK 3 3.4 89.°68 4.°0/29.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 24.25	+13 51.2	1.527	2.394	14.0	18.7
2 11	11 17.65	+15 4.3	1.486	2.418	9.8	18.5
2 21	11 8.79	+16 20.0	1.471	2.442	5.7	18.3
3 2	10 58.74	+17 28.7	1.483	2.465	4.2	18.3
3 12	10 48.80	+18 21.9	1.523	2.487	7.1	18.5
3 22	10 40.19	+18 54.5	1.589	2.509	11.0	18.8
4 1	10 33.81	+19 5.2	1.678	2.531	14.5	19.1
4 11	10 30.13	+18 55.5	1.787	2.552	17.4	19.3

219736 2001 XK_{171} 3 3.4 148.°62 0.°4/ 3.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 20.05	+ 2 44.1	2.542	3.370	10.5	21.8
2 11	11 14.09	+ 3 22.0	2.472	3.383	7.5	21.7
2 21	11 6.70	+ 4 9.7	2.429	3.395	4.2	21.5
3 2	10 58.49	+ 5 3.3	2.415	3.406	0.8	21.2
3 12	10 50.21	+ 5 57.9	2.433	3.416	2.9	21.4
3 22	10 42.57	+ 6 48.9	2.481	3.426	6.3	21.6
4 1	10 36.20	+ 7 32.3	2.558	3.434	9.3	21.8
4 11	10 31.56	+ 8 5.4	2.658	3.442	11.8	22.0

424752 2008 TW_{33} 3 3.4 89.°42 0.°3/ 3.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 17.99	+ 5 5.1	2.007	2.856	12.0	21.7
2 11	11 12.97	+ 5 47.1	1.939	2.861	8.5	21.5
2 21	11 6.22	+ 6 39.7	1.896	2.867	4.6	21.3
3 2	10 58.44	+ 7 37.6	1.881	2.872	0.6	21.0
3 12	10 50.54	+ 8 34.6	1.896	2.877	3.8	21.2
3 22	10 43.40	+ 9 24.8	1.938	2.883	7.7	21.5
4 1	10 37.79	+10 3.9	2.007	2.888	11.2	21.7
4 11	10 34.21	+10 29.2	2.097	2.893	14.2	21.9

480106 2015 FX_{43} 3 3.4 269.°47 4.°9/ 9.9 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 15.00	−14 22.6	2.621	3.372	12.3	22.1
2 11	11 10.72	−13 51.6	2.510	3.353	10.2	21.9
2 21	11 4.98	−12 58.8	2.422	3.333	7.7	21.7
3 2	10 58.29	−11 44.8	2.361	3.314	5.6	21.5
3 12	10 51.34	−10 13.3	2.329	3.294	4.9	21.4
3 22	10 44.83	− 8 29.9	2.327	3.274	6.4	21.5
4 1	10 39.41	− 6 41.8	2.353	3.253	9.0	21.6
4 11	10 35.62	− 4 56.2	2.406	3.233	11.6	21.8

6118 Mayuboshi 3 3.4 260.°09 1.°6/ 1.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 20.08	+ 7 56.1	1.786	2.643	12.8	17.8
2 11	11 14.83	+ 8 49.4	1.701	2.628	9.1	17.6
2 21	11 7.44	+ 9 53.6	1.641	2.613	4.9	17.3
3 2	10 58.61	+11 2.1	1.609	2.598	1.6	17.0
3 12	10 49.42	+12 7.1	1.605	2.583	5.0	17.2
3 22	10 40.97	+13 1.3	1.629	2.567	9.5	17.4
4 1	10 34.26	+13 39.8	1.678	2.551	13.5	17.6
4 11	10 29.96	+14 0.0	1.747	2.534	16.9	17.8

283316 1029 $T\text{-}_3$ 3 3.4 156.°32 4.°0/ 9.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 15.95	−12 47.2	3.276	4.023	10.2	22.4
2 11	11 11.01	−12 36.8	3.190	4.031	8.3	22.2
2 21	11 4.98	−12 11.3	3.128	4.039	6.2	22.1
3 2	10 58.29	−11 31.6	3.095	4.046	4.5	22.0
3 12	10 51.50	−10 40.2	3.091	4.052	4.1	22.0
3 22	10 45.16	− 9 41.0	3.117	4.058	5.3	22.0
4 1	10 39.75	− 8 38.2	3.172	4.064	7.2	22.2
4 11	10 35.66	− 7 36.3	3.253	4.069	9.2	22.3

452415 2002 TL_{181} 3 3.4 187.°68 1.°3/ 4.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 23.29	+ 0 13.1	1.847	2.675	13.8	22.5
2 11	11 16.97	+ 0 48.8	1.767	2.676	10.2	22.2
2 21	11 8.53	+ 1 40.8	1.711	2.675	6.0	22.0
3 2	10 58.75	+ 2 44.7	1.684	2.673	1.8	21.7
3 12	10 48.71	+ 3 53.8	1.686	2.670	3.7	21.8
3 22	10 39.49	+ 5 0.7	1.717	2.666	8.1	22.1
4 1	10 32.04	+ 5 58.9	1.774	2.661	12.2	22.3
4 11	10 27.00	+ 6 43.8	1.853	2.655	15.6	22.5

428927 2008 WJ_{89} 3 3.4 91.°69 4.°1/27.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 17.70	+16 50.5	2.176	3.043	10.4	21.1
2 11	11 12.67	+18 6.8	2.122	3.052	7.5	20.9
2 21	11 6.02	+19 23.5	2.095	3.061	4.8	20.7
3 2	10 58.42	+20 33.5	2.097	3.070	4.3	20.7
3 12	10 50.76	+21 30.3	2.127	3.078	6.5	20.9
3 22	10 43.86	+22 9.7	2.185	3.087	9.4	21.1
4 1	10 38.43	+22 30.1	2.267	3.095	12.1	21.3
4 11	10 34.96	+22 31.8	2.369	3.104	14.4	21.4

406472 2007 UT_{71} 3 3.4 81.°06 0.°5/ 3.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 19.63	+ 1 33.0	1.524	2.373	15.1	20.9
2 11	11 14.48	+ 2 30.5	1.467	2.388	10.9	20.7
2 21	11 7.16	+ 3 45.6	1.434	2.403	6.1	20.5
3 2	10 58.57	+ 5 11.1	1.427	2.418	1.1	20.1
3 12	10 49.92	+ 6 37.7	1.448	2.432	4.2	20.4
3 22	10 42.35	+ 7 56.3	1.496	2.447	9.0	20.7
4 1	10 36.78	+ 8 59.9	1.569	2.461	13.1	21.0
4 11	10 33.75	+ 9 45.0	1.662	2.475	16.6	21.3

317728 2003 QY_{93} 3 3.4 133.°85 1.°6/ 2.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 23.77	+ 8 53.3	1.836	2.688	12.8	21.1
2 11	11 17.14	+ 9 34.3	1.776	2.701	9.0	20.9
2 21	11 8.52	+10 22.5	1.741	2.713	4.8	20.7
3 2	10 58.74	+11 11.8	1.735	2.724	1.6	20.5
3 12	10 48.91	+11 55.4	1.758	2.735	4.7	20.7
3 22	10 40.08	+12 28.3	1.810	2.745	8.8	21.0
4 1	10 33.10	+12 47.2	1.886	2.755	12.4	21.2
4 11	10 28.52	+12 51.0	1.984	2.764	15.4	21.4

492906 2014 QJ_{432} 3 3.4 227.°59 1.°5/ 1.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 22.43	+ 8 33.9	2.014	2.863	11.9	21.9
2 11	11 16.31	+ 9 21.0	1.927	2.851	8.5	21.7
2 21	11 8.18	+10 16.8	1.866	2.837	4.6	21.4
3 2	10 58.72	+11 15.4	1.834	2.823	1.5	21.2
3 12	10 48.94	+12 10.1	1.832	2.808	4.7	21.4
3 22	10 39.85	+12 55.0	1.859	2.792	8.7	21.6
4 1	10 32.37	+13 25.9	1.911	2.776	12.5	21.8
4 11	10 27.14	+13 40.9	1.985	2.759	15.6	21.9

150893 2001 SK_{278} 3 3.4 232.°61 1.°3/ 4.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 20.68	+ 0 25.9	2.338	3.160	11.5	21.1
2 11	11 14.86	+ 0 48.7	2.239	3.144	8.5	20.9
2 21	11 7.31	+ 1 24.2	2.167	3.128	5.1	20.7
3 2	10 58.61	+ 2 9.4	2.123	3.111	1.7	20.4
3 12	10 49.60	+ 2 59.8	2.110	3.094	3.2	20.5
3 22	10 41.12	+ 3 50.1	2.127	3.076	6.8	20.7
4 1	10 33.96	+ 4 35.5	2.172	3.057	10.3	20.9
4 11	10 28.70	+ 5 11.9	2.239	3.037	13.4	21.0

81793 2000 JK_{85} 3 3.4 196.°37 2.°2/29.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 16.67	+11 36.7	2.655	3.510	9.2	20.1
2 11	11 11.77	+12 46.4	2.580	3.507	6.4	19.9
2 21	11 5.49	+14 0.9	2.534	3.504	3.6	19.7
3 2	10 58.38	+15 14.6	2.517	3.501	2.3	19.6
3 12	10 51.11	+16 21.9	2.532	3.497	4.5	19.7
3 22	10 44.37	+17 18.3	2.575	3.493	7.4	19.9
4 1	10 38.78	+18 0.6	2.645	3.489	10.1	20.1
4 11	10 34.80	+18 27.6	2.738	3.484	12.4	20.2

507413 2012 OC_4 3 3.4 255.°58 2.°9/28.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 18.32	+11 41.1	2.308	3.165	10.3	21.6
2 11	11 13.28	+13 13.0	2.214	3.142	7.3	21.3
2 21	11 6.49	+14 52.9	2.149	3.119	4.2	21.1
3 2	10 58.52	+16 33.8	2.114	3.096	3.0	21.0
3 12	10 50.18	+18 7.6	2.109	3.071	5.6	21.1
3 22	10 42.34	+19 27.7	2.134	3.046	9.0	21.3
4 1	10 35.79	+20 29.4	2.185	3.020	12.2	21.4
4 11	10 31.16	+21 11.0	2.256	2.994	15.0	21.6

344313 2001 UJ_{177} 3 3.4 131.°60 3.°3/ 7.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 16.44	− 7 37.0	2.601	3.389	11.4	21.0
2 11	11 11.57	− 7 19.2	2.522	3.398	8.9	20.9
2 21	11 5.37	− 6 45.4	2.468	3.406	6.2	20.7
3 2	10 58.36	− 5 57.6	2.442	3.415	3.8	20.6
3 12	10 51.25	− 4 59.7	2.446	3.423	3.6	20.6
3 22	10 44.71	− 3 56.6	2.479	3.430	5.8	20.7
4 1	10 39.32	− 2 53.6	2.540	3.438	8.5	20.9
4 11	10 35.54	− 1 55.4	2.626	3.445	11.0	21.1

373657 2002 QO_{62} 3 3.4 74.°76 5.°7/ 5.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 37.96	− 0 14.6	1.035	1.875	21.3	20.6
2 11	11 28.57	− 1 59.0	0.978	1.886	16.3	20.3
2 21	11 15.31	− 3 27.3	0.941	1.898	10.7	20.0
3 2	10 59.63	− 4 35.6	0.929	1.909	6.2	19.8
3 12	10 43.76	− 5 23.4	0.943	1.921	7.3	19.9
3 22	10 29.88	− 5 53.7	0.982	1.933	12.3	20.2
4 1	10 19.62	− 6 13.0	1.043	1.945	17.4	20.5
4 11	10 13.70	− 6 28.9	1.122	1.956	21.6	20.9

429235 2010 AK_{51} 3 3.4 341.°31 8.°0/ 9.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 20.85	−14 46.0	1.911	2.670	16.0	21.0
2 11	11 15.33	−15 45.1	1.826	2.667	13.5	20.8
2 21	11 7.71	−16 21.7	1.763	2.663	10.8	20.6
3 2	10 58.68	−16 33.4	1.723	2.660	8.7	20.5
3 12	10 49.28	−16 20.8	1.710	2.658	8.1	20.5
3 22	10 40.57	−15 48.0	1.723	2.655	9.4	20.5
4 1	10 33.55	−15 1.7	1.761	2.653	11.9	20.7
4 11	10 28.89	−14 9.8	1.820	2.651	14.6	20.8

406743 2008 HZ_{36} 3 3.4 90.°71 0.°2/ 3.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 18.80	+ 2 50.9	1.742	2.589	13.6	21.2
2 11	11 13.76	+ 3 38.1	1.676	2.596	9.8	20.9
2 21	11 6.74	+ 4 39.9	1.634	2.603	5.4	20.7
3 2	10 58.55	+ 5 50.3	1.620	2.610	0.8	20.4
3 12	10 50.21	+ 7 1.6	1.634	2.617	3.9	20.6
3 22	10 42.77	+ 8 6.4	1.676	2.624	8.3	20.9
4 1	10 37.08	+ 8 58.9	1.743	2.631	12.2	21.1
4 11	10 33.70	+ 9 35.7	1.831	2.638	15.5	21.4

370748 2004 RW_{181} 3 3.4 204.°93 2.°2/ 6.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 18.42	− 3 44.3	2.521	3.326	11.3	22.0
2 11	11 13.09	− 3 16.1	2.429	3.320	8.5	21.8
2 21	11 6.26	− 2 33.0	2.362	3.314	5.5	21.6
3 2	10 58.49	− 1 37.8	2.324	3.307	2.7	21.4
3 12	10 50.50	− 0 34.7	2.317	3.299	3.1	21.4
3 22	10 43.04	+ 0 30.9	2.340	3.291	6.1	21.6
4 1	10 36.79	+ 1 33.8	2.391	3.282	9.3	21.8
4 11	10 32.24	+ 2 29.2	2.466	3.273	12.0	22.0

303421 2005 AO_4 3 3.4 38.°55 5.°6/28.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 21.92	+16 45.8	1.325	2.206	14.9	20.1
2 11	11 16.47	+17 58.4	1.276	2.212	10.7	19.8
2 21	11 8.39	+19 12.0	1.249	2.218	6.8	19.6
3 2	10 58.76	+20 15.3	1.248	2.225	5.8	19.6
3 12	10 49.07	+20 58.8	1.273	2.232	8.8	19.8
3 22	10 40.72	+21 17.1	1.322	2.240	12.9	20.0
4 1	10 34.80	+21 9.3	1.391	2.247	16.8	20.3
4 11	10 31.90	+20 38.2	1.478	2.256	19.9	20.5

387819 2004 FH_{69} 3 3.4 313.°85 0.°9/ 2.5 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 16.68	+ 7 1.3	2.051	2.906	11.5	21.6
2 11	11 12.14	+ 7 42.5	1.969	2.896	8.2	21.4
2 21	11 5.85	+ 8 33.0	1.914	2.886	4.4	21.1
3 2	10 58.46	+ 9 27.7	1.886	2.876	0.9	20.8
3 12	10 50.83	+10 20.5	1.887	2.867	4.1	21.0
3 22	10 43.86	+11 5.7	1.916	2.858	8.0	21.3
4 1	10 38.34	+11 39.1	1.970	2.849	11.5	21.5
4 11	10 34.82	+11 58.2	2.046	2.840	14.6	21.6

433166 2012 TV_{263} 3 3.4 175.°63 2.°9/29.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 19.71	+14 56.5	2.467	3.324	9.7	21.8
2 11	11 13.96	+15 37.5	2.399	3.325	6.9	21.6
2 21	11 6.71	+16 19.7	2.358	3.326	4.1	21.4
3 2	10 58.56	+16 58.1	2.346	3.327	2.9	21.4
3 12	10 50.31	+17 27.9	2.364	3.327	5.0	21.5
3 22	10 42.73	+17 45.8	2.411	3.327	7.9	21.7
4 1	10 36.49	+17 50.1	2.484	3.327	10.7	21.9
4 11	10 32.06	+17 40.8	2.579	3.327	13.1	22.0

419319 2009 WS_{90} 3 3.4 81.°28 1.°9/ 5.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 18.81	− 2 11.3	1.921	2.746	13.5	21.6
2 11	11 13.51	− 1 29.8	1.864	2.769	10.0	21.4
2 21	11 6.49	− 0 31.5	1.832	2.792	6.1	21.2
3 2	10 58.53	+ 0 38.8	1.827	2.814	2.4	21.0
3 12	10 50.55	+ 1 54.4	1.852	2.836	3.4	21.1
3 22	10 43.47	+ 3 8.1	1.905	2.858	7.1	21.4
4 1	10 37.99	+ 4 13.7	1.985	2.880	10.7	21.7
4 11	10 34.60	+ 5 6.7	2.088	2.902	13.6	21.9

96008 2004 OA_5 3 3.4 279.°07 1.°3/ 4.8 17 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 18.15	+ 1 8.6	2.490	3.316	10.7	20.0
2 11	11 13.00	+ 1 17.3	2.388	3.295	7.9	19.7
2 21	11 6.28	+ 1 36.6	2.312	3.275	4.8	19.5
3 2	10 58.52	+ 2 4.2	2.266	3.254	1.6	19.2
3 12	10 50.47	+ 2 36.4	2.249	3.233	3.0	19.3
3 22	10 42.88	+ 3 9.0	2.261	3.211	6.4	19.5
4 1	10 36.48	+ 3 38.1	2.301	3.190	9.7	19.7
4 11	10 31.80	+ 4 0.2	2.365	3.168	12.5	19.8

285092 1994 AP_{14} 3 3.4 115.°45 2.°4/ 5.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 21.31	− 2 9.7	2.017	2.835	13.2	21.4
2 11	11 15.28	− 1 58.3	1.951	2.850	9.9	21.2
2 21	11 7.49	− 1 31.6	1.909	2.865	6.2	21.0
3 2	10 58.67	− 0 52.6	1.895	2.879	2.8	20.8
3 12	10 49.77	− 0 6.4	1.910	2.893	3.6	20.9
3 22	10 41.71	+ 0 41.5	1.954	2.907	7.1	21.1
4 1	10 35.26	+ 1 25.6	2.025	2.920	10.5	21.3
4 11	10 30.92	+ 2 1.6	2.119	2.932	13.5	21.5

417290 2006 BJ_{30} 3 3.4 28.°47 3.°9/28.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 17.07	+12 52.0	1.614	2.489	13.0	20.4
2 11	11 12.68	+14 19.3	1.559	2.494	9.1	20.2
2 21	11 6.22	+15 52.6	1.528	2.500	5.3	19.9
3 2	10 58.52	+17 21.9	1.525	2.507	4.0	19.9
3 12	10 50.70	+18 37.8	1.550	2.514	7.0	20.1
3 22	10 43.85	+19 33.5	1.600	2.521	10.9	20.3
4 1	10 38.87	+20 5.9	1.673	2.529	14.4	20.5
4 11	10 36.30	+20 15.0	1.765	2.537	17.4	20.8

366845 2005 QT_{138} 3 3.4 235.°06 0.°2/ 3.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 15.69	+ 4 26.8	2.732	3.570	9.5	21.3
2 11	11 11.08	+ 5 14.6	2.643	3.560	6.8	21.1
2 21	11 5.15	+ 6 11.6	2.581	3.550	3.7	20.9
3 2	10 58.39	+ 7 13.8	2.548	3.539	0.4	20.6
3 12	10 51.44	+ 8 16.4	2.547	3.528	3.0	20.8
3 22	10 44.95	+ 9 14.7	2.575	3.517	6.2	21.0
4 1	10 39.53	+10 4.6	2.631	3.506	9.1	21.1
4 11	10 35.62	+10 43.4	2.711	3.494	11.7	21.3

370734 2004 RV_{112} 3 3.4 169.°42 3.°9/ 7.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 21.42	− 7 59.1	2.607	3.384	11.7	21.4
2 11	11 15.16	− 8 10.8	2.521	3.388	9.2	21.3
2 21	11 7.38	− 8 7.4	2.461	3.392	6.6	21.1
3 2	10 58.67	− 7 49.8	2.429	3.396	4.4	21.0
3 12	10 49.79	− 7 20.5	2.427	3.399	4.2	21.0
3 22	10 41.49	− 6 43.5	2.456	3.401	6.3	21.1
4 1	10 34.44	− 6 3.3	2.512	3.402	8.9	21.3
4 11	10 29.14	− 5 24.6	2.593	3.403	11.4	21.4

345655 2006 TE_{60} 3 3.4 289.°36 6.°3/10.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 15.91	−15 39.5	2.357	3.105	13.6	20.4
2 11	11 11.52	−15 48.8	2.259	3.094	11.4	20.2
2 21	11 5.51	−15 36.3	2.183	3.083	9.1	20.0
3 2	10 58.45	−15 1.5	2.131	3.072	7.0	19.9
3 12	10 51.11	−14 6.7	2.107	3.061	6.3	19.8
3 22	10 44.29	−12 56.6	2.110	3.050	7.5	19.9
4 1	10 38.73	−11 37.8	2.140	3.039	9.8	20.0
4 11	10 34.98	−10 17.6	2.194	3.028	12.4	20.2

362066 2009 BP_{62} 3 3.4 11.°79 5.°0/ 6.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 19.36	− 4 26.5	1.159	2.004	19.1	20.5
2 11	11 14.98	− 4 48.9	1.096	2.006	14.8	20.2
2 21	11 7.77	− 4 45.4	1.053	2.009	10.0	20.0
3 2	10 58.75	− 4 17.4	1.032	2.013	5.7	19.7
3 12	10 49.45	− 3 31.1	1.035	2.017	5.9	19.8
3 22	10 41.39	− 2 35.7	1.062	2.023	10.2	20.0
4 1	10 35.83	− 1 41.3	1.111	2.030	15.0	20.3
4 11	10 33.48	− 0 56.4	1.178	2.038	19.1	20.6

196394 2003 GL_{23} 3 3.4 246.°24 7.°6/24.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 28.76	+30 22.1	2.267	3.109	11.1	20.3
2 11	11 20.76	+31 14.4	2.195	3.092	9.0	20.2
2 21	11 10.60	+31 56.0	2.149	3.075	7.7	20.1
3 2	10 59.10	+32 19.2	2.131	3.057	7.9	20.0
3 12	10 47.41	+32 18.6	2.141	3.039	9.6	20.1
3 22	10 36.67	+31 52.9	2.177	3.020	11.9	20.2
4 1	10 27.82	+31 3.4	2.237	3.000	14.3	20.3
4 11	10 21.48	+29 54.3	2.316	2.980	16.4	20.5

225547 2000 SN_{189} 3 3.4 254.°68 2.°0/ 5.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 20.09	− 1 23.9	2.180	2.999	12.3	21.0
2 11	11 14.61	− 1 8.6	2.079	2.980	9.3	20.8
2 21	11 7.28	− 0 38.6	2.002	2.960	5.8	20.5
3 2	10 58.70	+ 0 3.7	1.953	2.939	2.5	20.3
3 12	10 49.74	+ 0 53.8	1.935	2.918	3.4	20.3
3 22	10 41.30	+ 1 46.2	1.945	2.896	7.2	20.5
4 1	10 34.24	+ 2 35.4	1.982	2.874	10.8	20.7
4 11	10 29.20	+ 3 16.4	2.042	2.851	14.1	20.8

205927 2002 JF_{10} 3 3.4 199.°62 19.°0/16.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 37.78	+45 34.8	1.142	1.974	20.3	20.0
2 11	11 29.25	+47 54.5	1.119	1.973	19.2	19.9
2 21	11 15.91	+49 35.8	1.114	1.972	19.1	19.9
3 2	10 59.78	+50 21.1	1.127	1.971	20.1	19.9
3 12	10 43.87	+50 3.3	1.158	1.969	21.9	20.0
3 22	10 30.89	+48 47.1	1.204	1.967	24.0	20.2
4 1	10 22.50	+46 44.4	1.262	1.965	26.1	20.4
4 11	10 19.06	+44 9.3	1.331	1.962	27.9	20.5

46461 6105 P–L 3 3.4 172.°93 3.°0/ 6.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 17.01	− 6 16.3	2.340	3.140	12.2	19.7
2 11	11 12.17	− 5 44.7	2.257	3.142	9.4	19.5
2 21	11 5.81	− 4 55.6	2.198	3.143	6.3	19.3
3 2	10 58.51	− 3 51.4	2.166	3.145	3.5	19.1
3 12	10 51.05	− 2 37.3	2.165	3.146	3.5	19.1
3 22	10 44.18	− 1 19.2	2.193	3.146	6.3	19.3
4 1	10 38.60	− 0 3.4	2.249	3.147	9.5	19.5
4 11	10 34.79	+ 1 4.6	2.329	3.146	12.3	19.7

21773 1999 RH_{216} 3 3.4 60.°85 2.°1/ 1.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 19.30	+ 8 21.5	1.668	2.530	13.3	17.8
2 11	11 14.00	+ 9 41.3	1.628	2.559	9.2	17.6
2 21	11 6.82	+11 9.2	1.614	2.587	4.9	17.4
3 2	10 58.63	+12 36.5	1.628	2.616	2.1	17.3
3 12	10 50.53	+13 54.4	1.670	2.645	5.3	17.6
3 22	10 43.51	+14 56.5	1.740	2.673	9.3	17.9
4 1	10 38.34	+15 39.1	1.834	2.702	12.8	18.1
4 11	10 35.48	+16 1.6	1.948	2.730	15.6	18.4

124724 2001 SE_{165} 3 3.4 81.°34 1.°4/ 2.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 24.41	+ 8 4.6	1.378	2.241	15.5	19.7
2 11	11 18.14	+ 8 33.7	1.321	2.251	11.0	19.5
2 21	11 9.31	+ 9 12.7	1.287	2.260	5.9	19.2
3 2	10 58.97	+ 9 54.6	1.280	2.270	1.4	18.9
3 12	10 48.55	+10 31.5	1.299	2.280	5.4	19.2
3 22	10 39.42	+10 57.0	1.344	2.289	10.3	19.5
4 1	10 32.67	+11 7.3	1.413	2.299	14.7	19.8
4 11	10 28.88	+11 1.2	1.501	2.308	18.3	20.0

362650 2011 SN_{230} 3 3.4 98.°82 0.°9/ 4.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 23.07	+ 1 19.5	1.632	2.471	14.8	21.4
2 11	11 16.78	+ 1 59.1	1.579	2.494	10.7	21.2
2 21	11 8.39	+ 2 54.3	1.550	2.516	6.1	20.9
3 2	10 58.84	+ 3 59.3	1.548	2.538	1.4	20.7
3 12	10 49.31	+ 5 6.3	1.575	2.559	3.9	20.9
3 22	10 40.90	+ 6 7.8	1.629	2.580	8.4	21.2
4 1	10 34.50	+ 6 57.8	1.710	2.600	12.4	21.5
4 11	10 30.61	+ 7 33.0	1.811	2.619	15.6	21.7

499019 2009 CV_{60} 3 3.4 97.°51 2.°8/ 6.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 21.07	− 3 5.5	2.321	3.128	12.0	21.9
2 11	11 14.97	− 3 17.8	2.251	3.142	9.1	21.8
2 21	11 7.30	− 3 16.9	2.206	3.156	6.0	21.6
3 2	10 58.71	− 3 4.5	2.189	3.169	3.2	21.4
3 12	10 50.04	− 2 43.7	2.202	3.182	3.6	21.5
3 22	10 42.08	− 2 18.6	2.245	3.195	6.4	21.7
4 1	10 35.53	− 1 53.3	2.314	3.208	9.4	21.9
4 11	10 30.86	− 1 31.8	2.408	3.220	12.1	22.1

36374 2000 OO_{16} 3 3.4 48.°89 3.°6/ 5.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 22.65	− 2 29.3	1.396	2.232	17.0	18.9
2 11	11 16.99	− 2 40.2	1.328	2.236	12.9	18.6
2 21	11 8.76	− 2 30.6	1.282	2.239	8.3	18.4
3 2	10 58.92	− 2 2.7	1.260	2.244	4.1	18.1
3 12	10 48.81	− 1 22.3	1.265	2.248	4.9	18.2
3 22	10 39.82	− 0 36.8	1.295	2.252	9.3	18.4
4 1	10 33.09	+ 0 5.8	1.349	2.256	13.8	18.7
4 11	10 29.28	+ 0 39.2	1.424	2.261	17.6	19.0

165777 2001 QG_{265} 3 3.4 74.°44 6.°2/11.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 16.81	−15 59.9	2.258	3.005	14.2	19.8
2 11	11 12.06	−16 1.5	2.186	3.020	11.8	19.6
2 21	11 5.75	−15 40.1	2.135	3.035	9.2	19.5
3 2	10 58.52	−14 56.0	2.109	3.050	7.1	19.4
3 12	10 51.19	−13 52.8	2.110	3.064	6.2	19.3
3 22	10 44.54	−12 36.2	2.139	3.079	7.4	19.4
4 1	10 39.28	−11 13.2	2.195	3.094	9.6	19.6
4 11	10 35.87	− 9 51.2	2.275	3.109	12.0	19.8

403888 2011 WP_{116} 3 3.4 86.°64 1.°8/ 2.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 23.19	+ 8 22.2	1.540	2.400	14.4	21.5
2 11	11 16.96	+ 9 13.3	1.492	2.420	10.1	21.3
2 21	11 8.52	+10 13.3	1.468	2.440	5.4	21.1
3 2	10 58.87	+11 14.3	1.471	2.460	1.8	20.9
3 12	10 49.26	+12 8.3	1.502	2.479	5.3	21.2
3 22	10 40.86	+12 48.9	1.560	2.499	9.7	21.5
4 1	10 34.59	+13 12.7	1.641	2.517	13.6	21.8
4 11	10 30.94	+13 18.8	1.743	2.536	16.8	22.0

294975 2008 EB_{13} 3 3.4 306.°95 2.°9/ 1.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 21.09	+11 49.1	1.626	2.493	13.3	20.9
2 11	11 15.64	+12 37.6	1.558	2.490	9.4	20.7
2 21	11 7.93	+13 32.2	1.514	2.487	5.3	20.4
3 2	10 58.81	+14 25.4	1.498	2.484	2.9	20.3
3 12	10 49.48	+15 9.4	1.509	2.481	6.1	20.4
3 22	10 41.12	+15 38.3	1.546	2.478	10.3	20.7
4 1	10 34.72	+15 49.0	1.606	2.475	14.2	20.9
4 11	10 30.92	+15 41.1	1.687	2.472	17.5	21.1

256319 2006 XB_4 3 3.4 170.°60 0.°3/ 3.2 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 20.59	+ 5 0.2	1.963	2.808	12.4	21.4
2 11	11 14.94	+ 5 40.5	1.891	2.811	8.9	21.2
2 21	11 7.41	+ 6 31.9	1.843	2.813	4.8	21.0
3 2	10 58.75	+ 7 29.0	1.824	2.815	0.6	20.7
3 12	10 49.92	+ 8 25.4	1.835	2.816	3.9	20.9
3 22	10 41.87	+ 9 15.2	1.874	2.817	8.0	21.2
4 1	10 35.44	+ 9 53.7	1.938	2.818	11.6	21.4
4 11	10 31.18	+10 18.2	2.025	2.818	14.7	21.6

324501 2006 UQ_{286} 3 3.4 98.°54 0.°5/ 2.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 21.88	+ 5 30.0	1.808	2.656	13.1	21.6
2 11	11 15.81	+ 6 12.5	1.754	2.676	9.3	21.4
2 21	11 7.83	+ 7 5.4	1.725	2.695	5.0	21.2
3 2	10 58.79	+ 8 2.8	1.724	2.714	0.7	20.9
3 12	10 49.76	+ 8 57.6	1.752	2.733	4.1	21.2
3 22	10 41.71	+ 9 44.0	1.808	2.751	8.2	21.5
4 1	10 35.48	+10 17.9	1.889	2.769	11.9	21.7
4 11	10 31.54	+10 37.1	1.992	2.786	14.9	22.0

232741 2004 FP_{94} 3 3.4 297.°21 5.°1/26.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 17.77	+19 48.8	2.123	2.992	10.6	19.4
2 11	11 12.93	+21 6.6	2.057	2.985	7.8	19.2
2 21	11 6.32	+22 23.5	2.018	2.978	5.5	19.0
3 2	10 58.61	+23 31.6	2.008	2.972	5.4	19.0
3 12	10 50.72	+24 24.2	2.025	2.965	7.5	19.1
3 22	10 43.56	+24 57.0	2.069	2.959	10.4	19.3
4 1	10 37.92	+25 8.5	2.136	2.953	13.2	19.5
4 11	10 34.33	+24 59.5	2.223	2.947	15.6	19.6

109592 2001 QJ_{280} 3 3.4 129.°91 3.°5/28.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 18.17	+16 24.3	2.453	3.315	9.6	19.8
2 11	11 12.91	+17 28.6	2.396	3.323	6.8	19.6
2 21	11 6.17	+18 33.3	2.366	3.332	4.3	19.5
3 2	10 58.59	+19 32.6	2.365	3.340	3.7	19.4
3 12	10 50.94	+20 20.9	2.394	3.348	5.7	19.6
3 22	10 43.97	+20 54.7	2.451	3.355	8.4	19.8
4 1	10 38.32	+21 12.3	2.533	3.363	11.0	19.9
4 11	10 34.44	+21 13.8	2.637	3.370	13.2	20.1

104284 2000 EX_{155} 3 3.4 281.°75 3.°9/ 6.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 20.03	− 4 47.1	1.452	2.281	16.8	20.1
2 11	11 15.35	− 4 37.8	1.360	2.262	13.1	19.8
2 21	11 8.04	− 4 3.7	1.288	2.243	8.7	19.5
3 2	10 58.88	− 3 6.3	1.242	2.224	4.6	19.2
3 12	10 49.09	− 1 51.7	1.221	2.204	5.1	19.2
3 22	10 40.07	− 0 29.0	1.227	2.185	9.6	19.4
4 1	10 33.09	+ 0 51.2	1.256	2.165	14.4	19.6
4 11	10 29.03	+ 2 0.0	1.305	2.146	18.8	19.8

418287 2008 EC_{153} 3 3.4 143.°01 5.°9/27.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 24.83	+22 13.5	1.951	2.812	11.7	21.0
2 11	11 17.95	+23 11.6	1.898	2.819	8.8	20.8
2 21	11 9.04	+24 4.5	1.871	2.826	6.4	20.7
3 2	10 58.97	+24 44.4	1.872	2.833	6.1	20.7
3 12	10 48.89	+25 5.5	1.901	2.839	8.1	20.8
3 22	10 39.85	+25 5.2	1.957	2.845	11.0	21.0
4 1	10 32.72	+24 43.9	2.036	2.850	13.8	21.2
4 11	10 28.02	+24 4.2	2.135	2.855	16.2	21.4

36551 2000 QR_{101} 3 3.4 20.°76 1.°7/ 1.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 15.80	+ 8 56.4	2.215	3.073	10.7	18.4
2 11	11 11.39	+10 0.6	2.146	3.074	7.5	18.2
2 21	11 5.42	+11 12.4	2.103	3.075	4.0	18.0
3 2	10 58.52	+12 25.6	2.088	3.076	1.8	17.9
3 12	10 51.48	+13 33.8	2.104	3.078	4.4	18.0
3 22	10 45.09	+14 31.4	2.147	3.079	7.9	18.3
4 1	10 40.03	+15 14.6	2.217	3.081	11.0	18.5
4 11	10 36.80	+15 41.7	2.308	3.082	13.7	18.6

497787 2006 SP_{387} 3 3.4 341.°99 4.°3/ 9.0 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 13.79	−12 14.9	2.078	2.858	14.2	20.9
2 11	11 10.12	−11 12.2	1.987	2.854	11.4	20.7
2 21	11 4.80	− 9 42.3	1.918	2.850	8.2	20.5
3 2	10 58.45	− 7 48.3	1.877	2.846	5.2	20.3
3 12	10 51.89	− 5 36.9	1.865	2.842	4.5	20.2
3 22	10 45.96	− 3 17.5	1.882	2.839	6.9	20.4
4 1	10 41.40	− 1 0.4	1.928	2.836	10.3	20.5
4 11	10 38.74	+ 1 5.5	1.999	2.833	13.4	20.7

384983 2012 TT_{185} 3 3.4 255.°22 8.°2/21.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 22.70	+34 18.6	2.472	3.312	10.3	20.5
2 11	11 16.37	+35 29.5	2.416	3.301	8.9	20.4
2 21	11 8.18	+36 28.3	2.387	3.291	8.2	20.3
3 2	10 58.88	+37 7.8	2.384	3.280	8.7	20.4
3 12	10 49.45	+37 23.5	2.407	3.269	10.1	20.4
3 22	10 40.86	+37 13.8	2.454	3.258	12.0	20.5
4 1	10 33.93	+36 40.0	2.522	3.246	13.8	20.7
4 11	10 29.17	+35 45.8	2.608	3.235	15.5	20.8

377210 2003 XJ_{10} 3 3.4 111.°21 11.°7/19.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 26.02	−35 57.9	2.673	3.226	16.0	20.9
2 11	11 18.81	−37 21.1	2.604	3.247	14.8	20.9
2 21	11 9.60	−38 17.3	2.551	3.266	13.6	20.8
3 2	10 59.08	−38 42.5	2.519	3.286	12.5	20.7
3 12	10 48.24	−38 35.7	2.507	3.305	11.8	20.7
3 22	10 38.10	−37 59.4	2.519	3.323	11.7	20.7
4 1	10 29.56	−36 58.9	2.553	3.341	12.1	20.8
4 11	10 23.26	−35 42.1	2.608	3.358	12.9	20.9

287603 2003 GO_{15} 3 3.4 282.°39 2.°1/ 2.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 24.09	+ 9 54.4	1.415	2.281	15.0	20.5
2 11	11 18.21	+10 22.3	1.337	2.268	10.8	20.2
2 21	11 9.58	+10 58.8	1.282	2.255	5.9	19.9
3 2	10 59.10	+11 37.1	1.253	2.243	2.1	19.6
3 12	10 48.17	+12 8.9	1.251	2.230	5.9	19.8
3 22	10 38.27	+12 27.8	1.275	2.217	11.1	20.0
4 1	10 30.67	+12 29.9	1.321	2.204	15.8	20.3
4 11	10 26.15	+12 14.1	1.387	2.191	19.7	20.5

224863 2007 AP_{12} 3 3.5 304.°08 2.°8/29.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 18.65	+10 53.0	1.704	2.571	12.8	20.1
2 11	11 13.88	+11 56.7	1.631	2.564	9.0	19.8
2 21	11 6.99	+13 8.5	1.584	2.557	5.0	19.6
3 2	10 58.75	+14 20.6	1.564	2.550	2.8	19.4
3 12	10 50.25	+15 24.4	1.571	2.543	6.0	19.6
3 22	10 42.60	+16 13.1	1.606	2.536	10.1	19.8
4 1	10 36.74	+16 42.8	1.663	2.530	13.9	20.0
4 11	10 33.31	+16 52.1	1.741	2.524	17.2	20.2

461685 2005 MF_{17} 3 3.5 150.°52 4.°8/26.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 20.16	+17 36.8	2.050	2.916	11.0	21.3
2 11	11 14.62	+19 15.3	1.996	2.923	8.0	21.1
2 21	11 7.24	+20 54.1	1.968	2.930	5.4	20.9
3 2	10 58.77	+22 24.6	1.969	2.937	5.1	20.9
3 12	10 50.18	+23 38.9	2.000	2.943	7.4	21.1
3 22	10 42.42	+24 32.2	2.058	2.949	10.4	21.3
4 1	10 36.27	+25 2.4	2.139	2.954	13.2	21.5
4 11	10 32.28	+25 10.8	2.240	2.958	15.6	21.7

148897 2001 WN_{56} 3 3.5 27.°03 1.°1/ 2.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 20.25	+ 7 29.9	1.659	2.518	13.5	20.3
2 11	11 14.96	+ 8 5.6	1.592	2.520	9.6	20.0
2 21	11 7.54	+ 8 51.1	1.550	2.522	5.2	19.8
3 2	10 58.82	+ 9 40.4	1.534	2.525	1.2	19.5
3 12	10 49.93	+10 26.1	1.547	2.527	4.7	19.8
3 22	10 41.99	+11 2.2	1.586	2.530	9.2	20.0
4 1	10 35.93	+11 24.4	1.650	2.533	13.1	20.3
4 11	10 32.33	+11 30.9	1.734	2.536	16.5	20.5

428396 2007 SY_{10} 3 3.5 26.°32 1.°1/ 2.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 20.63	+ 8 58.7	1.946	2.801	12.0	20.9
2 11	11 14.96	+ 9 16.1	1.878	2.804	8.5	20.7
2 21	11 7.43	+ 9 39.7	1.835	2.807	4.6	20.5
3 2	10 58.81	+10 4.7	1.821	2.811	1.2	20.2
3 12	10 50.07	+10 26.2	1.835	2.815	4.2	20.4
3 22	10 42.16	+10 40.0	1.877	2.819	8.1	20.7
4 1	10 35.91	+10 43.2	1.945	2.823	11.7	20.9
4 11	10 31.84	+10 34.5	2.034	2.827	14.7	21.1

27276 Davidblack 3 3.5 339.°96 4.°8/28.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 19.51	+12 42.5	1.184	2.069	15.9	17.4
2 11	11 15.18	+14 10.9	1.124	2.064	11.3	17.1
2 21	11 7.96	+15 48.8	1.087	2.060	6.6	16.9
3 2	10 58.90	+17 23.5	1.074	2.056	4.9	16.7
3 12	10 49.54	+18 41.7	1.085	2.053	8.7	16.9
3 22	10 41.42	+19 34.1	1.121	2.050	13.6	17.2
4 1	10 35.82	+19 56.7	1.176	2.048	18.1	17.4
4 11	10 33.47	+19 50.3	1.248	2.046	21.8	17.7

236690 2006 SC_{186} 3 3.5 248.°97 0.°5/ 2.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 18.13	+ 6 30.3	2.738	3.578	9.4	21.6
2 11	11 12.90	+ 7 4.5	2.641	3.560	6.7	21.4
2 21	11 6.25	+ 7 46.1	2.571	3.540	3.7	21.1
3 2	10 58.67	+ 8 31.4	2.530	3.521	0.6	20.9
3 12	10 50.85	+ 9 16.1	2.521	3.501	3.2	21.0
3 22	10 43.46	+ 9 56.0	2.541	3.480	6.4	21.2
4 1	10 37.16	+10 27.8	2.589	3.459	9.4	21.4
4 11	10 32.44	+10 49.0	2.661	3.437	12.0	21.5

211296 2002 RY_{219} 3 3.5 284.°85 0.°0/ 3.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 19.65	+ 3 47.4	1.607	2.460	14.3	20.7
2 11	11 14.87	+ 4 29.3	1.515	2.439	10.4	20.4
2 21	11 7.70	+ 5 27.7	1.447	2.417	5.8	20.1
3 2	10 58.89	+ 6 37.0	1.405	2.396	0.7	19.7
3 12	10 49.54	+ 7 49.2	1.391	2.374	4.5	19.9
3 22	10 40.91	+ 8 55.6	1.403	2.352	9.6	20.1
4 1	10 34.14	+ 9 49.0	1.440	2.330	14.2	20.3
4 11	10 30.00	+10 24.8	1.496	2.308	18.2	20.5

2660 Wasserman 3 3.5 251.°45 4.°0/ 7.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 17.84	− 8 27.2	2.069	2.863	13.8	16.7
2 11	11 13.10	− 8 3.1	1.971	2.849	10.9	16.4
2 21	11 6.52	− 7 17.2	1.895	2.835	7.6	16.2
3 2	10 58.72	− 6 11.0	1.847	2.820	4.7	16.0
3 12	10 50.57	− 4 49.4	1.827	2.805	4.4	15.9
3 22	10 42.99	− 3 19.5	1.836	2.790	7.3	16.1
4 1	10 36.84	− 1 49.2	1.872	2.774	10.8	16.3
4 11	10 32.75	− 0 26.0	1.931	2.758	14.1	16.4

311270 2005 EU_{189} 3 3.5 319.°94 2.°7/ 5.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 21.02	− 1 6.4	1.456	2.296	16.2	20.8
2 11	11 15.88	− 1 7.0	1.379	2.291	12.2	20.5
2 21	11 8.23	− 0 48.5	1.324	2.286	7.6	20.3
3 2	10 58.95	− 0 13.7	1.295	2.281	3.3	20.0
3 12	10 49.30	+ 0 31.4	1.291	2.276	4.5	20.0
3 22	10 40.61	+ 1 19.4	1.314	2.271	9.2	20.3
4 1	10 34.02	+ 2 2.7	1.361	2.267	13.8	20.5
4 11	10 30.25	+ 2 35.3	1.428	2.263	17.7	20.8

67806 2000 VZ_{15} 3 3.5 177.°23 3.°9/28.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 20.17	+15 37.5	1.958	2.824	11.5	19.5
2 11	11 14.70	+16 41.9	1.894	2.824	8.2	19.3
2 21	11 7.33	+17 48.2	1.857	2.825	5.1	19.1
3 2	10 58.81	+18 49.0	1.847	2.825	4.1	19.1
3 12	10 50.15	+19 37.3	1.866	2.825	6.5	19.2
3 22	10 42.33	+20 8.4	1.913	2.825	9.9	19.4
4 1	10 36.18	+20 20.4	1.983	2.825	13.1	19.6
4 11	10 32.24	+20 13.5	2.073	2.825	15.7	19.8

501593 2014 QY_{198} 3 3.5 45.°90 2.°1/ 5.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 18.20	− 2 6.1	1.318	2.165	17.1	20.4
2 11	11 13.76	− 1 21.7	1.264	2.180	12.7	20.2
2 21	11 6.96	− 0 13.6	1.232	2.196	7.7	19.9
3 2	10 58.77	+ 1 11.7	1.225	2.213	2.8	19.7
3 12	10 50.52	+ 2 44.0	1.244	2.230	4.3	19.8
3 22	10 43.45	+ 4 12.4	1.288	2.247	9.2	20.1
4 1	10 38.57	+ 5 27.9	1.357	2.264	13.7	20.4
4 11	10 36.42	+ 6 24.7	1.445	2.282	17.4	20.7

327868 2006 YB_{51} 3 3.5 66.°44 4.°1/ 6.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 25.86	− 3 14.6	1.578	2.398	16.1	19.9
2 11	11 18.91	− 3 49.5	1.520	2.417	12.3	19.7
2 21	11 9.68	− 4 6.4	1.485	2.436	8.1	19.5
3 2	10 59.12	− 4 6.4	1.476	2.455	4.6	19.3
3 12	10 48.52	− 3 53.2	1.495	2.475	5.0	19.4
3 22	10 39.10	− 3 32.4	1.541	2.494	8.5	19.6
4 1	10 31.83	− 3 10.0	1.613	2.513	12.3	19.9
4 11	10 27.28	− 2 51.5	1.705	2.532	15.6	20.1

236408 2006 DH_{74} 3 3.5 18.°30 8.°3/25.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 26.44	+28 36.1	1.751	2.610	13.0	19.5
2 11	11 19.35	+29 26.5	1.701	2.612	10.3	19.3
2 21	11 9.90	+30 4.7	1.676	2.615	8.5	19.2
3 2	10 59.15	+30 22.2	1.677	2.617	8.6	19.2
3 12	10 48.44	+30 13.5	1.704	2.620	10.4	19.3
3 22	10 39.02	+29 37.9	1.756	2.623	13.1	19.5
4 1	10 31.86	+28 38.1	1.829	2.627	15.8	19.7
4 11	10 27.48	+27 18.8	1.921	2.631	18.1	19.9

35932 1999 JP_{113} 3 3.5 346.°32 4.°0/29.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 20.66	+12 38.3	1.235	2.116	15.7	18.9
2 11	11 15.91	+13 34.5	1.173	2.111	11.1	18.7
2 21	11 8.34	+14 38.1	1.133	2.107	6.4	18.4
3 2	10 58.98	+15 38.8	1.118	2.103	4.0	18.2
3 12	10 49.34	+16 26.2	1.128	2.100	7.7	18.4
3 22	10 40.95	+16 52.9	1.162	2.098	12.6	18.7
4 1	10 35.03	+16 55.7	1.216	2.096	17.1	18.9
4 11	10 32.29	+16 35.1	1.288	2.095	20.9	19.2

272515 2005 UH_{226} 3 3.5 117.°53 1.°7/ 1.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 21.14	+ 9 24.7	1.972	2.826	11.9	21.2
2 11	11 15.27	+10 9.8	1.911	2.838	8.4	21.0
2 21	11 7.58	+11 1.4	1.877	2.849	4.5	20.7
3 2	10 58.86	+11 53.6	1.871	2.860	1.7	20.6
3 12	10 50.07	+12 39.9	1.895	2.871	4.6	20.8
3 22	10 42.16	+13 15.4	1.947	2.881	8.4	21.0
4 1	10 35.90	+13 37.1	2.024	2.891	11.8	21.3
4 11	10 31.81	+13 43.9	2.123	2.901	14.6	21.5

39549 Casals 3 3.5 19.°28 2.°3/ 1.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 16.13	+ 8 16.5	1.578	2.448	13.5	18.5
2 11	11 12.11	+ 9 37.5	1.518	2.452	9.5	18.3
2 21	11 6.02	+11 9.8	1.482	2.456	5.1	18.0
3 2	10 58.67	+12 44.5	1.473	2.461	2.3	17.9
3 12	10 51.18	+14 11.5	1.492	2.467	5.7	18.1
3 22	10 44.61	+15 22.5	1.537	2.473	10.0	18.3
4 1	10 39.87	+16 12.7	1.606	2.480	13.9	18.6
4 11	10 37.54	+16 40.2	1.694	2.488	17.1	18.8

259615 2003 VZ_2 3 3.5 198.°24 2.°9/29.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 22.23	+12 0.1	1.902	2.761	12.1	21.1
2 11	11 16.25	+12 59.8	1.830	2.759	8.6	20.9
2 21	11 8.24	+14 5.2	1.785	2.756	4.8	20.7
3 2	10 58.97	+15 9.1	1.767	2.752	2.9	20.5
3 12	10 49.47	+16 4.0	1.779	2.748	5.7	20.7
3 22	10 40.81	+16 44.4	1.818	2.743	9.6	20.9
4 1	10 33.88	+17 7.1	1.883	2.737	13.1	21.1
4 11	10 29.29	+17 11.5	1.967	2.732	16.1	21.3

2020	α_{2000}	δ_{2000}	Δ	r	β	V
188582	2005 LV_{28}		3	3.5	136.°15	0.°3/ 3.7 18
	h m	° ′			°	m
2 1	11 24.16	+ 2 42.6	1.512	2.358	15.4	20.8
2 11	11 17.87	+ 3 26.4	1.450	2.369	11.1	20.6
2 21	11 9.19	+ 4 26.5	1.411	2.380	6.2	20.3
3 2	10 59.09	+ 5 36.3	1.400	2.390	1.0	20.0
3 12	10 48.85	+ 6 47.0	1.416	2.400	4.4	20.2
3 22	10 39.76	+ 7 50.3	1.460	2.409	9.3	20.6
4 1	10 32.82	+ 8 39.9	1.529	2.417	13.7	20.8
4 11	10 28.65	+ 9 12.4	1.617	2.425	17.2	21.1
463209	2012 CJ_{47}		3	3.5	204.°93	3.°0/29.0 16
2 1	11 18.90	+10 58.2	1.982	2.843	11.6	21.2
2 11	11 13.85	+12 34.7	1.909	2.839	8.1	20.9
2 21	11 6.92	+14 19.5	1.864	2.835	4.6	20.7
3 2	10 58.80	+16 4.1	1.847	2.830	3.1	20.6
3 12	10 50.43	+17 39.5	1.861	2.825	6.0	20.8
3 22	10 42.78	+18 58.4	1.903	2.820	9.6	21.0
4 1	10 36.69	+19 56.4	1.969	2.814	13.0	21.2
4 11	10 32.76	+20 32.3	2.056	2.808	15.9	21.4
341220	2007 RV_{133}		3	3.5	250.°74	0.°0/ 3.4 17
2 1	11 16.63	+ 2 49.1	2.248	3.087	11.2	21.3
2 11	11 12.07	+ 3 47.4	2.159	3.076	8.1	21.1
2 21	11 5.89	+ 4 58.8	2.096	3.065	4.5	20.8
3 2	10 58.67	+ 6 18.6	2.062	3.053	0.6	20.5
3 12	10 51.19	+ 7 40.1	2.058	3.041	3.4	20.7
3 22	10 44.27	+ 8 56.8	2.084	3.029	7.2	20.9
4 1	10 38.64	+10 3.2	2.136	3.017	10.7	21.1
4 11	10 34.84	+10 55.4	2.211	3.004	13.7	21.3
26251	Kiranmanne		3	3.5	294.°55	2.°9/ 5.4 18
2 1	11 21.02	− 1 28.2	1.323	2.168	17.2	18.2
2 11	11 16.20	− 1 23.9	1.240	2.155	13.1	17.9
2 21	11 8.59	− 0 57.6	1.179	2.141	8.2	17.6
3 2	10 59.05	− 0 11.9	1.142	2.128	3.5	17.3
3 12	10 48.94	+ 0 46.3	1.130	2.115	4.8	17.3
3 22	10 39.77	+ 1 48.0	1.143	2.102	10.1	17.6
4 1	10 32.87	+ 2 43.9	1.180	2.089	15.1	17.8
4 11	10 29.09	+ 3 26.7	1.235	2.077	19.5	18.0
419850	2011 AT_9		3	3.5	57.°78	9.°5/21.0 18
2 1	11 19.68	+29 6.5	1.726	2.595	12.6	20.2
2 11	11 14.77	+31 30.6	1.688	2.598	10.4	20.1
2 21	11 7.54	+33 43.6	1.675	2.601	9.5	20.0
3 2	10 58.88	+35 32.8	1.689	2.604	10.4	20.1
3 12	10 50.04	+36 49.5	1.728	2.607	12.5	20.2
3 22	10 42.23	+37 30.4	1.789	2.610	15.0	20.4
4 1	10 36.49	+37 36.9	1.870	2.614	17.4	20.6
4 11	10 33.41	+37 13.8	1.964	2.617	19.3	20.7
144962	2005 EZ_{77}		3	3.5	281.°86	1.°4/ 4.6 17
2 1	11 20.35	+ 0 54.6	1.598	2.441	14.8	20.3
2 11	11 15.36	+ 1 15.7	1.509	2.425	11.0	20.0
2 21	11 7.98	+ 1 54.4	1.442	2.408	6.5	19.7
3 2	10 58.97	+ 2 46.8	1.402	2.391	2.0	19.4
3 12	10 49.48	+ 3 46.2	1.389	2.374	4.1	19.5
3 22	10 40.74	+ 4 44.9	1.403	2.357	9.1	19.7
4 1	10 33.89	+ 5 35.3	1.441	2.340	13.7	19.9
4 11	10 29.69	+ 6 12.2	1.500	2.323	17.6	20.1
366380	2000 TP_{21}		3	3.5	70.°19	2.°5/ 1.0 18
2 1	11 20.71	+ 9 34.9	1.757	2.617	12.8	20.8
2 11	11 14.96	+10 57.0	1.720	2.650	8.9	20.6
2 21	11 7.38	+12 25.2	1.709	2.682	4.8	20.4
3 2	10 58.85	+13 51.0	1.727	2.714	2.5	20.3
3 12	10 50.43	+15 6.2	1.774	2.745	5.4	20.6
3 22	10 43.09	+16 5.0	1.848	2.776	9.2	20.9
4 1	10 37.58	+16 44.3	1.947	2.807	12.5	21.1
4 11	10 34.32	+17 4.0	2.066	2.837	15.2	21.4
489647	2007 UA_{10}		3	3.5	200.°54	1.°0/ 2.5 18
2 1	11 21.41	+ 6 3.5	2.077	2.921	11.8	22.1
2 11	11 15.57	+ 7 5.5	1.996	2.917	8.4	21.9
2 21	11 7.85	+ 8 18.5	1.941	2.912	4.5	21.7
3 2	10 58.95	+ 9 36.6	1.915	2.906	1.0	21.4
3 12	10 49.78	+10 52.5	1.920	2.899	4.2	21.6
3 22	10 41.31	+11 59.5	1.954	2.891	8.2	21.8
4 1	10 34.37	+12 52.6	2.015	2.882	11.8	22.0
4 11	10 29.55	+13 29.2	2.097	2.872	14.9	22.2
33165	1998 EO_2		3	3.5	178.°69	0.°2/ 3.1 18 R
2 1	11 16.59	+ 5 31.1	3.148	3.983	8.5	19.5
2 11	11 11.59	+ 6 7.4	3.069	3.984	6.0	19.3
2 21	11 5.44	+ 6 50.2	3.017	3.986	3.3	19.1
3 2	10 58.63	+ 7 36.3	2.995	3.986	0.4	18.9
3 12	10 51.70	+ 8 22.0	3.005	3.986	2.6	19.1
3 22	10 45.22	+ 9 3.6	3.046	3.986	5.4	19.3
4 1	10 39.70	+ 9 38.3	3.114	3.985	8.0	19.4
4 11	10 35.52	+10 4.1	3.207	3.984	10.2	19.6

2020	α_{2000}	δ_{2000}	Δ	r	β	V
403730	2010 XX_{10}		3	3.5	132.°79	0.°1/ 3.7 18
	h m	° ′			°	m
2 1	11 20.85	+ 3 6.1	2.280	3.112	11.4	21.7
2 11	11 14.86	+ 3 54.0	2.216	3.129	8.1	21.5
2 21	11 7.31	+ 4 52.6	2.179	3.146	4.5	21.3
3 2	10 58.87	+ 5 57.2	2.171	3.162	0.7	21.0
3 12	10 50.38	+ 7 1.7	2.195	3.177	3.2	21.2
3 22	10 42.63	+ 8 0.8	2.248	3.192	6.8	21.5
4 1	10 36.31	+ 8 50.0	2.328	3.205	10.1	21.7
4 11	10 31.89	+ 9 26.8	2.432	3.218	12.8	21.9
192107	2006 CD_{26}		3	3.5	218.°84	1.°7/ 1.7 17
2 1	11 18.83	+ 8 54.7	2.090	2.945	11.3	20.1
2 11	11 13.70	+ 9 49.0	2.014	2.941	8.0	19.9
2 21	11 6.80	+10 51.1	1.964	2.937	4.3	19.7
3 2	10 58.82	+11 55.1	1.943	2.932	1.7	19.5
3 12	10 50.63	+12 54.4	1.952	2.927	4.5	19.7
3 22	10 43.12	+13 43.5	1.989	2.922	8.3	19.9
4 1	10 37.10	+14 18.4	2.051	2.917	11.7	20.1
4 11	10 33.11	+14 37.4	2.134	2.911	14.6	20.3
71901	2000 WS_{23}		3	3.5	280.°60	0.°3/ 3.3 18
2 1	11 18.71	+ 3 17.6	1.518	2.374	14.8	18.6
2 11	11 14.20	+ 4 17.7	1.439	2.364	10.7	18.3
2 21	11 7.34	+ 5 36.2	1.382	2.353	5.9	18.0
3 2	10 58.90	+ 7 6.2	1.352	2.343	0.7	17.6
3 12	10 50.08	+ 8 37.9	1.350	2.333	4.7	17.9
3 22	10 42.11	+10 1.2	1.374	2.322	9.8	18.2
4 1	10 36.09	+11 8.4	1.421	2.312	14.4	18.4
4 11	10 32.74	+11 54.8	1.489	2.302	18.2	18.6
539	Pamina		3	3.5	141.°42	2.°8/ 6.6 18
2 1	11 20.06	− 4 46.2	2.400	3.200	11.9	15.2
2 11	11 14.30	− 4 35.2	2.325	3.212	9.1	15.1
2 21	11 7.02	− 4 9.3	2.276	3.222	6.0	14.9
3 2	10 58.84	− 3 30.7	2.254	3.233	3.3	14.7
3 12	10 50.55	− 2 43.4	2.262	3.242	3.5	14.8
3 22	10 42.92	− 1 52.3	2.300	3.252	6.2	15.0
4 1	10 36.61	− 1 2.5	2.366	3.260	9.2	15.2
4 11	10 32.11	− 0 18.4	2.456	3.268	11.9	15.3
421390	2013 UF_{13}		3	3.5	159.°35	2.°9/ 6.4 18
2 1	11 19.12	− 4 3.8	2.091	2.903	13.0	20.9
2 11	11 13.88	− 3 53.1	2.012	2.905	9.9	20.7
2 21	11 6.89	− 3 25.8	1.956	2.907	6.5	20.5
3 2	10 58.83	− 2 44.3	1.928	2.909	3.4	20.3
3 12	10 50.59	− 1 53.2	1.930	2.911	3.7	20.3
3 22	10 43.03	− 0 58.1	1.959	2.913	6.9	20.5
4 1	10 36.94	− 0 5.1	2.016	2.914	10.3	20.7
4 11	10 32.86	+ 0 40.8	2.095	2.915	13.4	20.9
402016	2003 SB_{28}		3	3.5	93.°04	2.°4/ 5.6 18
2 1	11 22.55	− 2 21.3	1.670	2.496	15.1	21.3
2 11	11 16.45	− 1 56.8	1.614	2.518	11.3	21.1
2 21	11 8.30	− 1 13.6	1.582	2.540	7.0	20.9
3 2	10 59.01	− 0 16.2	1.576	2.562	3.0	20.7
3 12	10 49.71	+ 0 48.5	1.599	2.583	3.9	20.8
3 22	10 41.47	+ 1 52.9	1.650	2.604	8.0	21.1
4 1	10 35.18	+ 2 50.1	1.727	2.625	11.8	21.4
4 11	10 31.33	+ 3 35.4	1.825	2.644	15.1	21.7
341450	2007 TP_{269}		3	3.5	182.°77	0.°9/ 2.4 17
2 1	11 18.22	+ 7 33.8	2.649	3.492	9.6	21.8
2 11	11 12.93	+ 8 13.8	2.572	3.493	6.8	21.6
2 21	11 6.25	+ 9 0.4	2.522	3.493	3.6	21.4
3 2	10 58.75	+ 9 49.2	2.502	3.492	0.9	21.1
3 12	10 51.11	+10 35.7	2.513	3.491	3.4	21.3
3 22	10 44.02	+11 15.8	2.554	3.490	6.5	21.5
4 1	10 38.11	+11 46.4	2.622	3.488	9.4	21.7
4 11	10 33.81	+12 5.6	2.713	3.486	11.9	21.9
496264	2012 QX_{41}		3	3.5	129.°28	1.°6/ 5.4 18
2 1	11 20.62	− 0 42.2	3.045	3.850	9.5	22.1
2 11	11 14.38	− 0 38.3	2.974	3.869	7.0	21.9
2 21	11 6.94	− 0 25.2	2.931	3.886	4.3	21.8
3 2	10 58.84	− 0 4.9	2.919	3.903	1.9	21.6
3 12	10 50.69	+ 0 19.7	2.938	3.920	2.5	21.7
3 22	10 43.10	+ 0 45.5	2.988	3.936	5.1	21.9
4 1	10 36.60	+ 1 9.4	3.067	3.951	7.7	22.1
4 11	10 31.58	+ 1 28.8	3.171	3.966	9.9	22.2
430859	2005 NR_{30}		3	3.5	184.°76	2.°7/28.4 17
2 1	11 16.78	+15 42.2	3.232	4.086	7.7	22.2
2 11	11 11.73	+16 41.7	3.161	4.086	5.5	22.0
2 21	11 5.54	+17 42.3	3.119	4.085	3.4	21.9
3 2	10 58.66	+18 39.5	3.108	4.084	2.8	21.8
3 12	10 51.67	+19 29.1	3.128	4.082	4.4	21.9
3 22	10 45.13	+20 7.9	3.178	4.080	6.7	22.1
4 1	10 39.56	+20 34.2	3.254	4.078	8.9	22.2
4 11	10 35.34	+20 47.4	3.353	4.075	10.8	22.4

467735 2009 PV_{19} 3 3.5 99.°79 0.°2/ 3.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 23.45	+ 4 32.6	2.043	2.880	12.3	21.6
2 11	11 16.77	+ 4 50.3	1.987	2.903	8.8	21.4
2 21	11 8.37	+ 5 17.4	1.957	2.925	4.9	21.2
3 2	10 59.03	+ 5 49.6	1.956	2.947	0.7	20.9
3 12	10 49.71	+ 6 21.9	1.985	2.968	3.4	21.2
3 22	10 41.31	+ 6 49.9	2.043	2.989	7.3	21.5
4 1	10 34.59	+ 7 9.9	2.128	3.009	10.7	21.7
4 11	10 29.99	+ 7 19.9	2.235	3.029	13.5	21.9

330422 2007 CH_{27} 3 3.5 91.°46 7.°1/25.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 22.11	+23 32.4	1.775	2.644	12.3	20.2
2 11	11 16.19	+25 12.7	1.739	2.661	9.4	20.0
2 21	11 8.17	+26 46.0	1.729	2.678	7.4	20.0
3 2	10 59.00	+28 2.2	1.746	2.695	7.5	20.0
3 12	10 49.86	+28 54.1	1.789	2.711	9.6	20.2
3 22	10 41.83	+29 18.6	1.858	2.728	12.4	20.4
4 1	10 35.80	+29 16.5	1.948	2.744	15.0	20.6
4 11	10 32.25	+28 51.2	2.056	2.759	17.2	20.8

463517 2013 QB_{71} 3 3.5 188.°81 0.°2/ 3.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 20.72	+ 5 12.9	2.221	3.061	11.3	22.5
2 11	11 14.93	+ 5 46.2	2.142	3.060	8.1	22.3
2 21	11 7.45	+ 6 28.9	2.090	3.059	4.4	22.0
3 2	10 58.93	+ 7 16.7	2.066	3.057	0.6	21.7
3 12	10 50.22	+ 8 4.1	2.073	3.055	3.5	21.9
3 22	10 42.19	+ 8 46.2	2.109	3.052	7.3	22.2
4 1	10 35.59	+ 9 18.9	2.172	3.049	10.7	22.4
4 11	10 30.94	+ 9 39.8	2.257	3.045	13.6	22.6

363246 2002 AH_{179} 3 3.5 24.°92 3.°7/ 5.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 23.69	− 0 21.5	1.140	1.994	18.8	20.1
2 11	11 18.11	− 0 59.1	1.084	2.001	14.1	19.9
2 21	11 9.57	− 1 17.1	1.047	2.010	8.9	19.6
3 2	10 59.22	− 1 17.1	1.034	2.019	4.2	19.4
3 12	10 48.69	− 1 4.1	1.046	2.030	5.4	19.5
3 22	10 39.59	− 0 45.1	1.081	2.041	10.3	19.8
4 1	10 33.17	− 0 27.4	1.139	2.053	15.1	20.1
4 11	10 30.10	− 0 17.2	1.215	2.066	19.2	20.4

410762 2009 DC_{105} 3 3.5 261.°99 0.°9/ 2.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 20.88	+ 6 8.9	1.557	2.415	14.3	21.6
2 11	11 15.62	+ 6 52.4	1.486	2.413	10.2	21.3
2 21	11 8.05	+ 7 48.5	1.439	2.412	5.5	21.1
3 2	10 59.02	+ 8 50.7	1.419	2.410	1.0	20.7
3 12	10 49.74	+ 9 50.7	1.427	2.408	4.8	21.0
3 22	10 41.42	+10 40.8	1.461	2.406	9.6	21.3
4 1	10 35.09	+11 15.9	1.519	2.405	13.9	21.5
4 11	10 31.40	+11 33.2	1.597	2.403	17.5	21.7

274408 2008 RU_{138} 3 3.5 272.°40 1.°7/ 1.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 18.22	+ 8 46.7	1.956	2.814	11.8	20.4
2 11	11 13.34	+ 9 43.0	1.885	2.813	8.3	20.2
2 21	11 6.64	+10 47.7	1.840	2.812	4.5	20.0
3 2	10 58.83	+11 54.4	1.822	2.811	1.8	19.8
3 12	10 50.84	+12 56.0	1.834	2.810	4.7	20.0
3 22	10 43.60	+13 46.5	1.874	2.809	8.6	20.2
4 1	10 37.92	+14 22.0	1.938	2.808	12.1	20.4
4 11	10 34.35	+14 40.6	2.024	2.807	15.1	20.6

302049 2000 TC_{24} 3 3.5 118.°95 3.°2/ 6.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 23.32	− 3 11.4	1.658	2.480	15.4	20.6
2 11	11 17.16	− 3 8.5	1.591	2.491	11.7	20.4
2 21	11 8.80	− 2 46.6	1.547	2.502	7.5	20.2
3 2	10 59.12	− 2 8.4	1.530	2.512	3.7	20.0
3 12	10 49.29	− 1 19.7	1.540	2.523	4.3	20.0
3 22	10 40.46	− 0 27.4	1.578	2.532	8.2	20.3
4 1	10 33.59	+ 0 21.6	1.641	2.542	12.2	20.5
4 11	10 29.27	+ 1 1.6	1.727	2.551	15.6	20.8

148514 2001 PS_5 3 3.5 107.°38 1.°6/ 2.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 25.03	+10 13.8	1.916	2.767	12.4	20.3
2 11	11 18.02	+10 37.3	1.860	2.784	8.7	20.1
2 21	11 9.11	+11 5.6	1.830	2.801	4.7	19.9
3 2	10 59.15	+11 33.5	1.828	2.817	1.6	19.7
3 12	10 49.20	+11 55.7	1.856	2.833	4.6	19.9
3 22	10 40.27	+12 8.2	1.913	2.849	8.4	20.2
4 1	10 33.18	+12 8.9	1.996	2.864	11.9	20.4
4 11	10 28.41	+11 57.3	2.100	2.879	14.7	20.6

52268 1986 WU 3 3.5 81.°71 4.°9/ 8.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 21.91	− 8 48.6	1.711	2.508	16.1	19.1
2 11	11 16.00	− 8 46.9	1.654	2.532	12.6	19.0
2 21	11 8.09	− 8 21.7	1.619	2.556	8.9	18.8
3 2	10 59.03	− 7 35.3	1.609	2.580	5.7	18.6
3 12	10 49.95	− 6 33.1	1.627	2.603	5.3	18.7
3 22	10 41.90	− 5 22.9	1.673	2.626	8.0	18.9
4 1	10 35.74	− 4 12.8	1.744	2.648	11.4	19.1
4 11	10 31.99	− 3 9.8	1.838	2.670	14.5	19.4

233271 2006 AP_1 3 3.5 23.°25 8.°6/23.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 18.47	+25 33.7	1.585	2.463	13.0	19.7
2 11	11 13.95	+27 34.3	1.545	2.468	10.3	19.6
2 21	11 7.11	+29 26.6	1.530	2.473	8.7	19.5
3 2	10 58.91	+30 58.4	1.540	2.479	9.3	19.5
3 12	10 50.60	+32 0.8	1.575	2.486	11.6	19.7
3 22	10 43.40	+32 30.2	1.634	2.493	14.4	19.9
4 1	10 38.30	+32 27.5	1.711	2.500	17.1	20.1
4 11	10 35.84	+31 56.9	1.805	2.508	19.3	20.3

407751 2011 WM_{22} 3 3.5 91.°20 2.°4/ 5.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 21.80	− 2 3.5	1.566	2.397	15.7	22.0
2 11	11 16.11	− 1 41.2	1.505	2.412	11.7	21.8
2 21	11 8.23	− 0 59.3	1.468	2.427	7.2	21.6
3 2	10 59.06	− 0 2.0	1.456	2.442	3.0	21.4
3 12	10 49.80	+ 1 3.2	1.472	2.457	4.1	21.5
3 22	10 41.60	+ 2 8.3	1.516	2.471	8.4	21.7
4 1	10 35.42	+ 3 6.1	1.584	2.485	12.5	22.0
4 11	10 31.81	+ 3 51.1	1.674	2.499	16.0	22.3

153047 2000 QW_{68} 3 3.5 138.°27 0.°9/ 4.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 20.00	+ 0 53.1	2.440	3.263	11.0	20.9
2 11	11 14.22	+ 1 27.9	2.371	3.277	8.0	20.7
2 21	11 6.98	+ 2 14.1	2.328	3.291	4.7	20.5
3 2	10 58.89	+ 3 8.0	2.315	3.304	1.3	20.3
3 12	10 50.73	+ 4 4.5	2.333	3.316	2.9	20.4
3 22	10 43.24	+ 4 58.7	2.380	3.328	6.3	20.7
4 1	10 37.06	+ 5 46.3	2.456	3.339	9.3	20.9
4 11	10 32.63	+ 6 24.0	2.555	3.350	12.0	21.1

300750 2007 VC_{201} 3 3.5 332.°79 0.°3/ 3.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 16.68	+ 3 49.1	1.711	2.566	13.4	19.9
2 11	11 12.55	+ 4 14.2	1.627	2.551	9.8	19.6
2 21	11 6.37	+ 4 52.9	1.567	2.537	5.5	19.3
3 2	10 58.84	+ 5 40.6	1.533	2.524	0.9	19.0
3 12	10 50.98	+ 6 30.8	1.527	2.511	3.9	19.2
3 22	10 43.84	+ 7 16.8	1.547	2.500	8.5	19.4
4 1	10 38.39	+ 7 52.9	1.592	2.488	12.7	19.6
4 11	10 35.28	+ 8 15.1	1.657	2.478	16.3	19.8

495989 2007 TJ_{450} 3 3.5 224.°78 3.°6/ 6.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 21.44	− 6 12.3	2.022	2.822	13.8	22.4
2 11	11 15.75	− 5 57.4	1.926	2.811	10.8	22.1
2 21	11 8.08	− 5 22.7	1.854	2.799	7.3	21.9
3 2	10 59.07	− 4 29.9	1.808	2.786	4.2	21.7
3 12	10 49.68	− 3 23.8	1.792	2.772	4.3	21.7
3 22	10 40.90	− 2 10.9	1.805	2.757	7.5	21.8
4 1	10 33.66	− 0 58.5	1.845	2.742	11.2	22.0
4 11	10 28.61	+ 0 6.6	1.907	2.726	14.6	22.2

109365 2001 QC_{158} 3 3.5 105.°47 0.°0/ 3.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 20.86	+ 3 36.1	1.998	2.838	12.4	20.3
2 11	11 15.02	+ 4 27.8	1.943	2.860	8.9	20.1
2 21	11 7.47	+ 5 31.0	1.913	2.881	4.8	19.9
3 2	10 58.97	+ 6 39.9	1.911	2.902	0.6	19.6
3 12	10 50.46	+ 7 47.7	1.940	2.922	3.6	19.9
3 22	10 42.82	+ 8 48.4	1.998	2.942	7.5	20.2
4 1	10 36.80	+ 9 37.2	2.082	2.961	11.0	20.4
4 11	10 32.85	+10 11.6	2.188	2.980	13.8	20.7

100288 1995 CZ_5 3 3.5 236.°75 1.°7/ 5.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 21.04	− 0 32.1	2.280	3.099	11.8	21.0
2 11	11 15.28	− 0 14.0	2.181	3.083	8.8	20.7
2 21	11 7.75	+ 0 17.6	2.108	3.067	5.4	20.5
3 2	10 59.04	+ 1 0.1	2.063	3.050	2.1	20.2
3 12	10 49.98	+ 1 48.9	2.048	3.032	3.2	20.3
3 22	10 41.45	+ 2 38.8	2.063	3.013	6.9	20.5
4 1	10 34.26	+ 3 24.8	2.105	2.994	10.4	20.7
4 11	10 29.03	+ 4 2.4	2.171	2.974	13.6	20.8

161588 2005 LE_{30} 3 3.5 196.°71 0.°6/ 2.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 17.03	+ 6 56.7	2.994	3.834	8.7	21.6
2 11	11 12.00	+ 7 35.4	2.912	3.831	6.2	21.4
2 21	11 5.75	+ 8 20.3	2.857	3.827	3.3	21.2
3 2	10 58.76	+ 9 7.9	2.833	3.823	0.7	21.0
3 12	10 51.63	+ 9 53.9	2.840	3.819	2.9	21.2
3 22	10 44.96	+10 34.9	2.877	3.814	5.9	21.4
4 1	10 39.30	+11 7.7	2.941	3.809	8.5	21.5
4 11	10 35.06	+11 30.5	3.030	3.803	10.8	21.7

172055 2001 XG_{137} 3 3.5 347.°31 7.°3/23.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 18.83	+27 26.4	2.132	2.996	10.8	19.7
2 11	11 13.79	+28 52.5	2.081	2.993	8.6	19.6
2 21	11 6.90	+30 10.7	2.056	2.992	7.4	19.5
3 2	10 58.91	+31 12.7	2.058	2.990	7.8	19.5
3 12	10 50.80	+31 52.5	2.086	2.989	9.5	19.6
3 22	10 43.51	+32 7.4	2.139	2.987	11.9	19.7
4 1	10 37.87	+31 57.7	2.213	2.986	14.2	19.9
4 11	10 34.38	+31 26.0	2.306	2.985	16.1	20.1

119510 2001 UW_{134} 3 3.5 249.°68 5.°3/27.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 24.49	+20 43.1	2.097	2.956	11.1	20.2
2 11	11 17.92	+21 39.0	2.016	2.938	8.3	19.9
2 21	11 9.26	+22 32.8	1.962	2.920	5.9	19.8
3 2	10 59.24	+23 16.9	1.936	2.901	5.5	19.7
3 12	10 48.91	+23 44.9	1.939	2.881	7.6	19.8
3 22	10 39.33	+23 53.0	1.969	2.861	10.7	19.9
4 1	10 31.45	+23 40.2	2.023	2.841	13.8	20.1
4 11	10 25.92	+23 8.1	2.097	2.820	16.4	20.2

100430 1996 HK_{18} 3 3.5 133.°60 7.°2/25.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 25.31	+26 15.0	1.981	2.838	11.7	19.6
2 11	11 18.36	+27 27.1	1.936	2.849	9.1	19.4
2 21	11 9.36	+28 30.4	1.917	2.859	7.4	19.3
3 2	10 59.23	+29 16.6	1.926	2.869	7.5	19.4
3 12	10 49.11	+29 39.9	1.962	2.878	9.3	19.5
3 22	10 40.09	+29 38.4	2.024	2.886	11.8	19.7
4 1	10 33.02	+29 13.4	2.108	2.895	14.3	19.8
4 11	10 28.41	+28 28.4	2.211	2.903	16.5	20.0

205304 2000 SF_{293} 3 3.5 199.°16 3.°5/ 6.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 22.87	− 4 59.0	1.938	2.744	14.1	20.3
2 11	11 16.77	− 4 57.0	1.852	2.741	10.9	20.1
2 21	11 8.63	− 4 36.7	1.789	2.737	7.3	19.9
3 2	10 59.16	− 3 59.8	1.754	2.733	4.1	19.7
3 12	10 49.38	− 3 10.6	1.748	2.728	4.3	19.7
3 22	10 40.32	− 2 15.4	1.770	2.722	7.7	19.9
4 1	10 32.93	− 1 20.6	1.818	2.715	11.4	20.1
4 11	10 27.83	− 0 32.4	1.890	2.708	14.7	20.3

267454 2002 EQ_{15} 3 3.5 12.°65 4.°5/ 7.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 14.08	− 8 51.2	1.458	2.278	17.2	19.5
2 11	11 10.86	− 8 11.8	1.387	2.281	13.5	19.3
2 21	11 5.47	− 7 2.1	1.338	2.285	9.3	19.0
3 2	10 58.74	− 5 25.9	1.313	2.290	5.5	18.8
3 12	10 51.80	− 3 31.8	1.313	2.295	5.0	18.8
3 22	10 45.77	− 1 31.6	1.340	2.302	8.5	19.0
4 1	10 41.64	+ 0 23.0	1.392	2.310	12.7	19.3
4 11	10 39.99	+ 2 2.2	1.466	2.318	16.4	19.5

29284 1993 FL_{41} 3 3.5 353.°65 0.°4/ 3.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 19.76	+ 4 5.0	1.298	2.163	16.2	19.0
2 11	11 15.17	+ 4 57.5	1.232	2.161	11.7	18.7
2 21	11 7.97	+ 6 8.2	1.188	2.160	6.4	18.4
3 2	10 59.09	+ 7 29.3	1.169	2.160	0.8	18.0
3 12	10 49.91	+ 8 50.0	1.176	2.159	5.1	18.3
3 22	10 41.85	+10 0.3	1.208	2.159	10.6	18.7
4 1	10 36.06	+10 52.7	1.263	2.159	15.4	18.9
4 11	10 33.25	+11 23.4	1.336	2.159	19.4	19.2

83847 2001 UO_{37} 3 3.5 5.°89 2.°6/ 1.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 21.32	+13 53.7	2.183	3.040	10.8	19.0
2 11	11 15.38	+14 18.9	2.113	3.040	7.7	18.8
2 21	11 7.71	+14 45.8	2.070	3.040	4.4	18.6
3 2	10 59.04	+15 9.5	2.056	3.041	2.6	18.5
3 12	10 50.24	+15 25.3	2.071	3.041	5.0	18.6
3 22	10 42.22	+15 29.8	2.115	3.041	8.3	18.8
4 1	10 35.73	+15 21.5	2.184	3.041	11.4	19.0
4 11	10 31.26	+15 0.3	2.275	3.042	14.1	19.2

240272 2002 XU_{90} 3 3.5 56.°23 7.°3/23.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 18.63	+25 34.8	1.960	2.829	11.3	19.5
2 11	11 13.63	+27 25.5	1.930	2.849	8.8	19.4
2 21	11 6.78	+29 7.6	1.927	2.868	7.4	19.3
3 2	10 58.91	+30 31.8	1.951	2.888	7.8	19.4
3 12	10 51.04	+31 31.4	2.002	2.908	9.7	19.6
3 22	10 44.14	+32 3.9	2.077	2.928	12.1	19.7
4 1	10 38.97	+32 9.9	2.173	2.948	14.3	19.9
4 11	10 36.01	+31 52.4	2.287	2.968	16.2	20.1

371249 2006 BG_{156} 3 3.5 79.°50 2.°1/ 1.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 18.17	+ 8 10.7	1.873	2.732	12.2	21.2
2 11	11 13.26	+ 9 41.0	1.822	2.751	8.5	21.0
2 21	11 6.57	+11 20.0	1.797	2.770	4.6	20.8
3 2	10 58.89	+12 59.5	1.801	2.789	2.1	20.7
3 12	10 51.17	+14 30.6	1.835	2.807	5.1	20.9
3 22	10 44.33	+15 46.6	1.896	2.826	8.9	21.1
4 1	10 39.12	+16 43.1	1.983	2.844	12.2	21.4
4 11	10 36.01	+17 19.1	2.090	2.862	15.0	21.6

7012 Hobbes 3 3.5 141.°21 2.°2/ 1.5 18 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 21.87	+ 8 30.3	1.680	2.538	13.4	17.5
2 11	11 16.14	+ 9 44.7	1.619	2.547	9.5	17.3
2 21	11 8.27	+11 9.0	1.583	2.555	5.1	17.1
3 2	10 59.13	+12 34.8	1.575	2.563	2.2	16.9
3 12	10 49.85	+13 53.1	1.596	2.571	5.5	17.1
3 22	10 41.55	+14 56.3	1.645	2.578	9.7	17.4
4 1	10 35.16	+15 40.1	1.717	2.584	13.6	17.6
4 11	10 31.27	+16 3.4	1.810	2.590	16.7	17.8

402879 2007 RV_{259} 3 3.5 56.°26 3.°4/ 1.1 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 23.45	+11 44.1	1.288	2.162	15.7	20.9
2 11	11 17.51	+12 40.7	1.248	2.183	11.0	20.7
2 21	11 9.04	+13 42.9	1.232	2.205	6.1	20.4
3 2	10 59.22	+14 41.0	1.241	2.227	3.4	20.3
3 12	10 49.53	+15 26.0	1.277	2.250	6.8	20.6
3 22	10 41.31	+15 52.1	1.337	2.272	11.3	20.9
4 1	10 35.53	+15 57.2	1.420	2.295	15.3	21.2
4 11	10 32.70	+15 42.4	1.521	2.318	18.6	21.5

290072 2005 QH_{73} 3 3.5 338.°39 5.°8/ 9.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 15.47	−15 1.9	1.041	1.855	23.0	19.8
2 11	11 12.65	−13 24.1	0.965	1.853	18.6	19.5
2 21	11 6.83	−10 48.3	0.908	1.850	13.2	19.2
3 2	10 58.98	− 7 18.3	0.873	1.849	7.8	18.9
3 12	10 50.68	− 3 11.4	0.863	1.847	6.2	18.8
3 22	10 43.58	+ 1 4.9	0.879	1.846	10.9	19.0
4 1	10 39.11	+ 5 2.6	0.920	1.845	16.8	19.3
4 11	10 38.06	+ 8 21.8	0.982	1.844	21.9	19.6

359054 2008 YC_{20} 3 3.5 256.°97 3.°3/29.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 20.95	+11 12.0	1.536	2.405	13.9	20.6
2 11	11 15.82	+12 24.9	1.465	2.398	9.8	20.4
2 21	11 8.27	+13 47.0	1.418	2.391	5.5	20.1
3 2	10 59.16	+15 9.0	1.398	2.383	3.4	19.9
3 12	10 49.72	+16 20.9	1.405	2.376	6.7	20.1
3 22	10 41.23	+17 14.7	1.439	2.368	11.2	20.4
4 1	10 34.78	+17 46.2	1.495	2.360	15.3	20.6
4 11	10 31.07	+17 54.5	1.570	2.352	18.7	20.8

200742 2001 VS_{105} 3 3.5 149.°78 4.°2/29.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 25.70	+15 25.4	1.676	2.539	13.2	20.7
2 11	11 18.89	+16 23.3	1.618	2.547	9.4	20.5
2 21	11 9.79	+17 22.8	1.586	2.554	5.7	20.3
3 2	10 59.35	+18 15.6	1.581	2.560	4.3	20.2
3 12	10 48.81	+18 54.0	1.604	2.566	7.0	20.4
3 22	10 39.39	+19 13.4	1.654	2.572	10.8	20.6
4 1	10 32.08	+19 12.3	1.728	2.576	14.4	20.9
4 11	10 27.45	+18 52.2	1.821	2.580	17.4	21.1

461092 2015 BR_5 3 3.5 107.°82 4.°1/28.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 20.00	+16 21.4	2.066	2.931	11.0	20.8
2 11	11 14.49	+17 35.0	2.015	2.943	7.9	20.6
2 21	11 7.24	+18 49.1	1.990	2.956	5.0	20.5
3 2	10 59.00	+19 56.4	1.993	2.968	4.3	20.4
3 12	10 50.71	+20 50.3	2.026	2.980	6.5	20.6
3 22	10 43.27	+21 26.4	2.086	2.991	9.5	20.8
4 1	10 37.43	+21 43.2	2.170	3.003	12.4	21.0
4 11	10 33.66	+21 41.4	2.274	3.014	14.8	21.2

400330 2007 UW_{10} 3 3.5 113.°19 2.°0/ 5.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 23.66	− 0 11.9	1.689	2.520	14.7	20.9
2 11	11 17.37	− 0 2.3	1.625	2.533	10.9	20.7
2 21	11 8.94	+ 0 23.4	1.584	2.546	6.6	20.4
3 2	10 59.24	+ 1 1.4	1.571	2.558	2.5	20.2
3 12	10 49.43	+ 1 45.8	1.586	2.570	3.9	20.3
3 22	10 40.63	+ 2 30.1	1.628	2.581	8.1	20.6
4 1	10 33.78	+ 3 8.5	1.696	2.593	12.1	20.8
4 11	10 29.43	+ 3 36.6	1.786	2.603	15.5	21.1

219642 2001 UW_{76} 3 3.5 225.°95 6.°2/25.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 24.33	+24 14.9	2.190	3.047	10.8	21.4
2 11	11 17.73	+25 22.3	2.120	3.036	8.3	21.2
2 21	11 9.12	+26 24.7	2.077	3.025	6.5	21.1
3 2	10 59.28	+27 14.3	2.063	3.013	6.5	21.1
3 12	10 49.20	+27 44.7	2.076	3.000	8.4	21.2
3 22	10 39.93	+27 52.9	2.117	2.987	11.1	21.3
4 1	10 32.36	+27 38.8	2.180	2.973	13.7	21.4
4 11	10 27.06	+27 4.5	2.263	2.959	16.0	21.6

248540 2005 WY_{195} 3 3.5 116.°83 2.°9/29.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 20.49	+12 40.0	2.016	2.876	11.4	21.0
2 11	11 14.86	+13 40.7	1.959	2.887	8.0	20.8
2 21	11 7.46	+14 45.3	1.928	2.898	4.6	20.6
3 2	10 59.05	+15 47.0	1.925	2.909	3.0	20.5
3 12	10 50.56	+16 39.0	1.952	2.919	5.5	20.7
3 22	10 42.92	+17 16.7	2.007	2.929	8.9	20.9
4 1	10 36.90	+17 37.6	2.086	2.939	12.1	21.2
4 11	10 32.98	+17 41.4	2.186	2.948	14.7	21.4

27204 1999 CY_{74} 3 3.5 91.°56 4.°7/ 8.5 18 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 18.53	− 9 37.6	2.217	3.000	13.3	18.2
2 11	11 13.43	− 9 45.7	2.139	3.007	10.6	18.0
2 21	11 6.69	− 9 35.0	2.084	3.013	7.8	17.8
3 2	10 58.95	− 9 6.4	2.056	3.020	5.3	17.7
3 12	10 51.04	− 8 23.2	2.056	3.026	4.9	17.7
3 22	10 43.79	− 7 30.4	2.084	3.033	6.9	17.8
4 1	10 37.93	− 6 34.1	2.138	3.039	9.7	18.0
4 11	10 33.97	− 5 40.3	2.217	3.045	12.5	18.2

2020	α_{2000}	δ_{2000}	Δ	r	β	V
291909	2006 QP_{11}		3	3.5	265.°61	1.°5/ 2.3 17
	h m	° ′			°	m
2 1	11 22.24	+ 8 6.0	1.701	2.557	13.4	21.1
2 11	11 16.67	+ 8 46.4	1.613	2.540	9.6	20.8
2 21	11 8.75	+ 9 37.3	1.550	2.522	5.2	20.5
3 2	10 59.25	+10 32.5	1.514	2.504	1.5	20.2
3 12	10 49.30	+11 24.4	1.506	2.485	5.1	20.4
3 22	10 40.10	+12 6.1	1.526	2.466	9.7	20.6
4 1	10 32.75	+12 32.8	1.570	2.447	14.0	20.8
4 11	10 27.99	+12 42.0	1.634	2.428	17.7	21.0
153374	2001 QF_{15}		3	3.5	224.°47	1.°9/ 1.9 18
2 1	11 24.27	+ 9 8.2	1.706	2.561	13.4	20.7
2 11	11 18.05	+ 9 55.3	1.625	2.552	9.6	20.4
2 21	11 9.47	+10 51.8	1.570	2.542	5.2	20.1
3 2	10 59.34	+11 50.6	1.542	2.531	1.9	19.9
3 12	10 48.85	+12 43.9	1.543	2.520	5.4	20.1
3 22	10 39.22	+13 25.1	1.572	2.507	9.9	20.3
4 1	10 31.52	+13 49.8	1.625	2.495	14.0	20.5
4 11	10 26.45	+13 56.4	1.698	2.481	17.5	20.7
88382	2001 PL_{49}		3	3.5	273.°47	8.°8/11.3 18
2 1	11 20.23	−17 38.4	1.835	2.581	17.0	18.7
2 11	11 15.16	−18 20.9	1.747	2.575	14.5	18.5
2 21	11 7.89	−18 36.7	1.678	2.568	11.9	18.3
3 2	10 59.14	−18 23.2	1.632	2.562	9.6	18.1
3 12	10 49.96	−17 41.4	1.612	2.555	8.8	18.1
3 22	10 41.49	−16 36.6	1.617	2.549	9.9	18.1
4 1	10 34.73	−15 17.0	1.646	2.542	12.4	18.2
4 11	10 30.43	−13 52.6	1.698	2.536	15.2	18.4
70529	1999 TR_{116}		3	3.5	180.°85	0.°7/ 2.9 18
2 1	11 22.67	+ 6 16.9	2.127	2.968	11.7	20.9
2 11	11 16.42	+ 6 56.7	2.051	2.970	8.3	20.7
2 21	11 8.36	+ 7 45.5	2.001	2.971	4.5	20.5
3 2	10 59.19	+ 8 38.4	1.981	2.971	0.8	20.2
3 12	10 49.83	+ 9 29.5	1.990	2.970	3.8	20.4
3 22	10 41.20	+10 13.5	2.029	2.969	7.7	20.7
4 1	10 34.13	+10 46.3	2.095	2.967	11.2	20.9
4 11	10 29.14	+11 5.8	2.183	2.964	14.2	21.1
89240	2001 UO_{156}		3	3.5	223.°45	0.°4/ 3.1 17
2 1	11 19.80	+ 4 59.7	2.031	2.876	12.0	20.6
2 11	11 14.51	+ 5 44.1	1.948	2.869	8.6	20.3
2 21	11 7.38	+ 6 39.9	1.892	2.862	4.7	20.1
3 2	10 59.06	+ 7 42.0	1.863	2.854	0.6	19.7
3 12	10 50.49	+ 8 43.9	1.865	2.846	3.8	20.0
3 22	10 42.59	+ 9 39.3	1.894	2.838	7.9	20.2
4 1	10 36.21	+10 23.4	1.950	2.829	11.6	20.4
4 11	10 31.92	+10 53.2	2.028	2.820	14.7	20.6
119319	2001 SZ_{104}		3	3.5	231.°52	2.°0/ 5.5 18
2 1	11 20.33	− 1 55.5	2.222	3.038	12.2	21.2
2 11	11 14.83	− 1 32.0	2.126	3.025	9.2	21.0
2 21	11 7.54	− 0 53.4	2.054	3.011	5.7	20.7
3 2	10 59.09	− 0 2.2	2.011	2.997	2.5	20.5
3 12	10 50.31	+ 0 56.7	1.998	2.982	3.3	20.5
3 22	10 42.08	+ 1 57.4	2.014	2.966	6.9	20.7
4 1	10 35.21	+ 2 54.3	2.058	2.949	10.5	20.9
4 11	10 30.31	+ 3 42.4	2.125	2.932	13.6	21.1
365170	2009 DQ_{139}		3	3.5	62.°31	0.°2/ 3.4 18
2 1	11 23.10	+ 5 1.9	1.363	2.222	15.9	21.0
2 11	11 17.24	+ 5 31.4	1.313	2.239	11.4	20.7
2 21	11 8.94	+ 6 14.3	1.285	2.257	6.2	20.5
3 2	10 59.26	+ 7 3.9	1.284	2.274	0.8	20.2
3 12	10 49.59	+ 7 52.0	1.309	2.292	4.7	20.5
3 22	10 41.22	+ 8 31.4	1.360	2.311	9.7	20.8
4 1	10 35.15	+ 8 57.2	1.435	2.329	14.0	21.1
4 11	10 31.93	+ 9 7.0	1.529	2.347	17.6	21.4
371032	2005 UK_{103}		3	3.5	57.°31	0.°7/ 2.9 18
2 1	11 19.62	+ 5 44.6	1.661	2.518	13.7	21.2
2 11	11 14.53	+ 6 28.3	1.602	2.528	9.7	21.0
2 21	11 7.39	+ 7 23.7	1.567	2.539	5.3	20.7
3 2	10 59.07	+ 8 24.2	1.559	2.549	0.8	20.4
3 12	10 50.65	+ 9 22.2	1.578	2.560	4.4	20.7
3 22	10 43.19	+10 11.2	1.625	2.571	8.8	21.0
4 1	10 37.59	+10 46.2	1.697	2.583	12.7	21.3
4 11	10 34.36	+11 5.1	1.789	2.594	15.9	21.5
219429	2000 TH_{28}		3	3.5	84.°86	0.°5/ 3.9 18
2 1	11 21.24	+ 3 28.1	1.849	2.691	13.2	20.6
2 11	11 15.48	+ 3 51.4	1.788	2.706	9.5	20.3
2 21	11 7.85	+ 4 26.4	1.752	2.720	5.3	20.1
3 2	10 59.13	+ 5 8.6	1.744	2.734	1.0	19.8
3 12	10 50.35	+ 5 51.9	1.765	2.749	3.6	20.1
3 22	10 42.48	+ 6 30.9	1.813	2.763	7.7	20.4
4 1	10 36.34	+ 7 1.0	1.888	2.777	11.4	20.6
4 11	10 32.44	+ 7 19.4	1.984	2.791	14.5	20.8

2020	α_{2000}	δ_{2000}	Δ	r	β	V
298992	2004 XJ_{26}		3	3.5	87.°48	0.°5/ 3.9 18
	h m	° ′			°	m
2 1	11 25.15	+ 3 13.7	1.551	2.396	15.1	21.2
2 11	11 18.41	+ 3 42.1	1.503	2.421	10.9	21.0
2 21	11 9.47	+ 4 24.1	1.478	2.446	6.1	20.8
3 2	10 59.34	+ 5 13.9	1.481	2.471	1.1	20.5
3 12	10 49.29	+ 6 4.2	1.512	2.496	4.1	20.8
3 22	10 40.49	+ 6 48.3	1.570	2.520	8.7	21.1
4 1	10 33.83	+ 7 21.1	1.653	2.543	12.7	21.4
4 11	10 29.81	+ 7 40.0	1.758	2.566	16.0	21.6
184529	2005 QG_{24}		3	3.5	277.°79	0.°2/ 3.8 17
2 1	11 15.57	+ 2 42.0	2.388	3.226	10.7	20.0
2 11	11 11.30	+ 3 32.9	2.298	3.214	7.7	19.8
2 21	11 5.55	+ 4 36.0	2.235	3.203	4.3	19.6
3 2	10 58.84	+ 5 46.8	2.200	3.191	0.7	19.3
3 12	10 51.90	+ 6 59.6	2.196	3.179	3.1	19.4
3 22	10 45.47	+ 8 8.7	2.221	3.168	6.7	19.6
4 1	10 40.24	+ 9 8.9	2.273	3.156	10.0	19.8
4 11	10 36.70	+ 9 56.6	2.348	3.144	12.9	20.0
457448	2008 UE_{131}		3	3.5	116.°34	2.°3/ 5.4 18
2 1	11 23.16	− 1 49.5	1.588	2.418	15.6	22.8
2 11	11 17.13	− 1 24.7	1.526	2.432	11.6	22.6
2 21	11 8.87	− 0 40.5	1.486	2.446	7.1	22.3
3 2	10 59.28	+ 0 18.7	1.473	2.459	2.9	22.1
3 12	10 49.58	+ 1 25.6	1.488	2.472	4.0	22.2
3 22	10 40.94	+ 2 31.9	1.530	2.484	8.4	22.5
4 1	10 34.33	+ 3 30.4	1.598	2.496	12.6	22.7
4 11	10 30.32	+ 4 16.0	1.687	2.508	16.1	23.0
245635	2005 YQ		3	3.5	172.°37	14.°2/12.9 18
2 1	11 28.78	−23 34.8	1.395	2.114	22.6	20.3
2 11	11 22.07	−25 19.2	1.321	2.117	20.1	20.1
2 21	11 12.08	−26 28.5	1.264	2.120	17.4	20.0
3 2	10 59.77	−26 54.6	1.227	2.121	15.2	19.8
3 12	10 46.73	−26 34.5	1.211	2.122	14.2	19.8
3 22	10 34.75	−25 33.1	1.217	2.123	14.9	19.8
4 1	10 25.43	−24 1.7	1.245	2.122	16.9	19.9
4 11	10 19.72	−22 15.8	1.292	2.121	19.6	20.1
193812	2001 PV_{50}		3	3.5	129.°62	2.°1/ 1.8 18
2 1	11 26.02	+ 9 52.2	1.777	2.629	13.2	21.1
2 11	11 18.93	+10 41.7	1.722	2.647	9.3	20.9
2 21	11 9.75	+11 37.6	1.692	2.664	5.0	20.7
3 2	10 59.41	+12 33.0	1.692	2.680	2.1	20.5
3 12	10 49.05	+13 20.6	1.720	2.695	5.1	20.8
3 22	10 39.78	+13 55.3	1.777	2.709	9.2	21.0
4 1	10 32.48	+14 14.1	1.859	2.723	12.8	21.3
4 11	10 27.68	+14 16.6	1.962	2.735	15.8	21.5
412286	2013 JZ_{20}		3	3.5	346.°39	2.°1/ 2.1 18
2 1	11 24.13	+10 28.5	1.420	2.286	14.9	20.8
2 11	11 18.18	+10 49.0	1.353	2.284	10.7	20.5
2 21	11 9.61	+11 16.4	1.309	2.282	5.8	20.2
3 2	10 59.41	+11 44.0	1.291	2.280	2.1	20.0
3 12	10 48.97	+12 4.6	1.300	2.279	5.7	20.2
3 22	10 39.67	+12 12.8	1.335	2.277	10.6	20.5
4 1	10 32.68	+12 5.7	1.393	2.277	15.0	20.7
4 11	10 28.65	+11 42.7	1.469	2.276	18.7	21.0
29052	4258 $T\text{-}_2$		3	3.5	265.°37	1.°2/ 2.5 18
2 1	11 19.93	+ 6 49.7	1.732	2.588	13.2	19.1
2 11	11 14.87	+ 7 38.2	1.654	2.581	9.4	18.9
2 21	11 7.70	+ 8 38.1	1.601	2.574	5.1	18.6
3 2	10 59.16	+ 9 43.3	1.576	2.566	1.2	18.3
3 12	10 50.32	+10 45.8	1.579	2.558	4.7	18.5
3 22	10 42.29	+11 38.6	1.608	2.551	9.2	18.8
4 1	10 36.03	+12 16.6	1.663	2.543	13.2	19.0
4 11	10 32.18	+12 37.1	1.738	2.536	16.6	19.2
500341	2012 SW_{55}		3	3.5	143.°51	1.°0/ 2.0 17
2 1	11 17.44	+ 7 59.9	3.000	3.842	8.7	22.5
2 11	11 12.26	+ 8 55.1	2.934	3.855	6.1	22.3
2 21	11 5.92	+ 9 55.8	2.896	3.867	3.2	22.2
3 2	10 58.91	+10 57.7	2.889	3.879	1.0	22.0
3 12	10 51.82	+11 56.3	2.914	3.890	3.2	22.2
3 22	10 45.26	+12 47.8	2.969	3.900	6.0	22.4
4 1	10 39.72	+13 29.2	3.052	3.910	8.5	22.6
4 11	10 35.61	+13 59.1	3.159	3.920	10.6	22.7
121528	1999 UX_{32}		3	3.5	180.°53	0.°7/ 2.8 17
2 1	11 19.94	+ 6 46.3	2.208	3.054	11.2	20.7
2 11	11 14.44	+ 7 22.2	2.133	3.054	7.9	20.5
2 21	11 7.28	+ 8 6.3	2.084	3.055	4.3	20.3
3 2	10 59.10	+ 8 53.9	2.064	3.055	0.8	20.0
3 12	10 50.75	+ 9 39.6	2.074	3.054	3.7	20.3
3 22	10 43.09	+10 18.6	2.113	3.054	7.4	20.5
4 1	10 36.85	+10 47.1	2.178	3.053	10.7	20.7
4 11	10 32.55	+11 3.0	2.266	3.052	13.6	20.9

2020	α_{2000}	δ_{2000}	Δ	r	β	V
131122	2001 BG_{11}		3	3.5	165.°36	0.°3/ 3.9 18
	h m	° ′			°	m
2 1	11 22.04	+ 2 44.6	2.085	2.918	12.2	21.3
2 11	11 15.99	+ 3 27.0	2.011	2.925	8.8	21.0
2 21	11 8.15	+ 4 21.8	1.963	2.930	5.0	20.8
3 2	10 59.21	+ 5 24.2	1.944	2.935	0.9	20.5
3 12	10 50.12	+ 6 27.8	1.956	2.939	3.4	20.7
3 22	10 41.79	+ 7 26.7	1.996	2.942	7.4	21.0
4 1	10 35.00	+ 8 15.8	2.064	2.944	11.0	21.2
4 11	10 30.30	+ 8 51.8	2.154	2.946	14.0	21.4
279710	2011 GK_{12}		3	3.5	251.°96	1.°6/ 5.1 17
2 1	11 18.54	− 0 17.9	2.057	2.886	12.5	21.5
2 11	11 13.61	+ 0 6.2	1.972	2.880	9.3	21.3
2 21	11 6.90	+ 0 45.0	1.912	2.873	5.6	21.1
3 2	10 59.06	+ 1 35.2	1.879	2.867	2.0	20.8
3 12	10 50.96	+ 2 31.3	1.876	2.861	3.3	20.9
3 22	10 43.51	+ 3 27.4	1.901	2.854	7.2	21.1
4 1	10 37.52	+ 4 17.7	1.953	2.848	10.8	21.3
4 11	10 33.54	+ 4 58.0	2.027	2.841	14.0	21.5
332946	2011 DY_{29}		3	3.5	288.°14	1.°1/ 2.4 17
2 1	11 16.95	+ 4 59.3	1.831	2.685	12.7	20.2
2 11	11 12.76	+ 6 15.7	1.740	2.666	9.1	19.9
2 21	11 6.57	+ 7 47.8	1.675	2.647	4.9	19.7
3 2	10 59.02	+ 9 28.9	1.637	2.628	1.1	19.3
3 12	10 51.08	+11 9.8	1.629	2.608	4.6	19.5
3 22	10 43.75	+12 41.4	1.648	2.589	9.1	19.8
4 1	10 37.99	+13 56.7	1.693	2.570	13.2	20.0
4 11	10 34.47	+14 51.5	1.758	2.551	16.7	20.1
430253	2013 WD_{22}		3	3.5	109.°18	5.°4/26.3 17
2 1	11 19.16	+20 30.1	2.093	2.960	10.8	20.8
2 11	11 13.99	+21 55.3	2.040	2.966	8.0	20.7
2 21	11 7.06	+23 18.2	2.014	2.971	5.8	20.5
3 2	10 59.07	+24 30.6	2.016	2.977	5.7	20.5
3 12	10 50.99	+25 25.8	2.047	2.982	7.8	20.7
3 22	10 43.71	+25 59.8	2.103	2.987	10.5	20.9
4 1	10 38.01	+26 11.8	2.183	2.993	13.2	21.0
4 11	10 34.40	+26 2.9	2.282	2.998	15.4	21.2
292856	2006 UE_{341}		3	3.5	276.°94	1.°5/ 2.3 17
2 1	11 21.64	+ 8 15.0	1.684	2.542	13.4	21.0
2 11	11 16.26	+ 8 52.5	1.598	2.526	9.6	20.8
2 21	11 8.56	+ 9 40.1	1.537	2.509	5.3	20.5
3 2	10 59.31	+10 31.6	1.503	2.493	1.5	20.2
3 12	10 49.63	+11 19.7	1.497	2.476	5.0	20.4
3 22	10 40.73	+11 57.7	1.518	2.459	9.7	20.6
4 1	10 33.69	+12 20.8	1.563	2.443	13.9	20.8
4 11	10 29.22	+12 26.8	1.629	2.426	17.6	21.0
194369	2001 UG_{195}		3	3.5	47.°48	1.°8/ 4.9 18
2 1	11 19.83	− 0 49.3	1.236	2.089	17.7	20.4
2 11	11 15.22	− 0 11.8	1.179	2.099	13.0	20.1
2 21	11 8.00	+ 0 49.0	1.144	2.110	7.8	19.9
3 2	10 59.22	+ 2 6.9	1.133	2.122	2.5	19.6
3 12	10 50.30	+ 3 31.4	1.147	2.133	4.5	19.7
3 22	10 42.62	+ 4 51.7	1.187	2.146	9.8	20.1
4 1	10 37.30	+ 5 58.6	1.250	2.158	14.6	20.4
4 11	10 34.93	+ 6 46.5	1.332	2.171	18.5	20.7
388825	2008 CM_{135}		3	3.5	204.°37	1.°5/ 5.4 18
2 1	11 17.65	− 0 29.6	2.746	3.563	10.1	21.3
2 11	11 12.58	− 0 16.6	2.660	3.560	7.5	21.1
2 21	11 6.19	+ 0 6.9	2.599	3.557	4.6	20.9
3 2	10 58.97	+ 0 38.8	2.567	3.553	1.9	20.7
3 12	10 51.59	+ 1 15.6	2.566	3.550	2.7	20.8
3 22	10 44.70	+ 1 53.2	2.595	3.546	5.6	21.0
4 1	10 38.90	+ 2 28.1	2.652	3.542	8.5	21.1
4 11	10 34.63	+ 2 56.8	2.732	3.537	11.0	21.3
439017	2011 CT_9		3	3.5	99.°24	5.°8/ 7.5 18
2 1	11 26.95	− 7 50.9	1.888	2.675	15.2	20.8
2 11	11 19.76	− 8 51.2	1.810	2.680	12.1	20.6
2 21	11 10.36	− 9 34.0	1.755	2.685	8.9	20.4
3 2	10 59.55	− 9 57.8	1.727	2.690	6.3	20.2
3 12	10 48.45	−10 4.0	1.728	2.695	6.1	20.2
3 22	10 38.19	− 9 56.1	1.758	2.700	8.5	20.4
4 1	10 29.77	− 9 39.6	1.813	2.705	11.7	20.6
4 11	10 23.84	− 9 20.5	1.891	2.710	14.7	20.8
423756	2006 DZ_{43}		3	3.5	356.°38	0.°5/ 3.1 18
2 1	11 15.72	+ 3 18.7	1.674	2.530	13.6	20.3
2 11	11 11.88	+ 4 33.1	1.603	2.528	9.8	20.1
2 21	11 6.05	+ 6 4.2	1.555	2.527	5.3	19.8
3 2	10 58.97	+ 7 44.6	1.535	2.526	0.7	19.5
3 12	10 51.66	+ 9 24.7	1.543	2.525	4.4	19.7
3 22	10 45.16	+10 55.3	1.578	2.525	8.9	20.0
4 1	10 40.35	+12 9.2	1.638	2.525	13.0	20.2
4 11	10 37.83	+13 2.6	1.719	2.526	16.4	20.5

2020	α_{2000}	δ_{2000}	Δ	r	β	V
69268	1988 SD_2		3	3.5	257.°97	5.°2/28.1 18
	h m	° ′			°	m
2 1	11 25.21	+18 17.4	1.771	2.634	12.6	19.8
2 11	11 18.82	+19 17.5	1.689	2.616	9.3	19.5
2 21	11 9.98	+20 18.2	1.632	2.596	6.2	19.3
3 2	10 59.52	+21 10.8	1.604	2.576	5.4	19.2
3 12	10 48.62	+21 47.1	1.603	2.556	8.0	19.3
3 22	10 38.57	+22 2.0	1.628	2.535	11.7	19.5
4 1	10 30.49	+21 53.9	1.677	2.513	15.3	19.7
4 11	10 25.10	+21 24.2	1.745	2.491	18.5	19.8
271652	2004 QQ_{14}		3	3.5	184.°78	0.°9/ 4.7 17
2 1	11 18.36	− 0 9.9	2.567	3.387	10.6	21.7
2 11	11 13.17	+ 0 43.3	2.483	3.387	7.8	21.5
2 21	11 6.54	+ 1 49.5	2.425	3.387	4.6	21.3
3 2	10 59.03	+ 3 4.6	2.397	3.385	1.3	21.0
3 12	10 51.35	+ 4 23.4	2.400	3.384	2.8	21.1
3 22	10 44.21	+ 5 40.0	2.433	3.381	6.1	21.4
4 1	10 38.24	+ 6 49.3	2.495	3.378	9.3	21.5
4 11	10 33.92	+ 7 47.4	2.582	3.374	11.9	21.7
503215	2015 HV_{37}		3	3.5	296.°01	2.°8/ 6.8 17
2 1	11 15.08	− 5 47.3	2.221	3.029	12.5	20.8
2 11	11 11.10	− 5 6.4	2.125	3.016	9.6	20.6
2 21	11 5.52	− 4 6.0	2.054	3.003	6.4	20.3
3 2	10 58.91	− 2 49.1	2.010	2.990	3.4	20.1
3 12	10 52.02	− 1 21.2	1.995	2.977	3.5	20.1
3 22	10 45.66	+ 0 10.9	2.009	2.965	6.6	20.3
4 1	10 40.57	+ 1 39.9	2.050	2.952	10.0	20.5
4 11	10 37.28	+ 2 59.5	2.116	2.940	13.1	20.6
311127	2004 QK_{25}		3	3.5	56.°47	13.°9/19.9 18
2 1	11 19.35	−31 0.9	1.387	2.069	24.2	19.4
2 11	11 14.92	−31 30.6	1.332	2.092	21.7	19.3
2 21	11 7.85	−31 13.3	1.291	2.116	19.0	19.1
3 2	10 59.22	−30 4.6	1.266	2.140	16.3	19.0
3 12	10 50.50	−28 7.6	1.261	2.165	14.4	19.0
3 22	10 43.10	−25 32.6	1.279	2.189	13.9	19.0
4 1	10 38.13	−22 35.8	1.320	2.214	15.0	19.2
4 11	10 36.17	−19 34.9	1.383	2.239	17.0	19.4
110968	2001 UZ_{172}		3	3.5	234.°36	0.°6/ 2.8 17
2 1	11 17.79	+ 6 29.1	2.547	3.390	10.0	20.4
2 11	11 12.81	+ 7 8.2	2.461	3.381	7.1	20.2
2 21	11 6.38	+ 7 55.2	2.401	3.371	3.8	20.0
3 2	10 59.02	+ 8 45.9	2.371	3.361	0.7	19.7
3 12	10 51.47	+ 9 35.6	2.371	3.351	3.3	19.9
3 22	10 44.43	+10 19.7	2.401	3.341	6.7	20.1
4 1	10 38.56	+10 54.5	2.457	3.330	9.8	20.3
4 11	10 34.35	+11 17.7	2.537	3.319	12.4	20.5
82172	2001 HP_9		3	3.5	294.°46	1.°2/ 4.5 18
2 1	11 19.29	+ 0 17.7	1.285	2.140	17.0	19.3
2 11	11 15.11	+ 0 59.9	1.203	2.125	12.6	19.0
2 21	11 8.17	+ 2 6.3	1.143	2.111	7.4	18.6
3 2	10 59.30	+ 3 31.5	1.106	2.096	1.9	18.3
3 12	10 49.87	+ 5 5.4	1.096	2.082	4.7	18.4
3 22	10 41.35	+ 6 36.0	1.110	2.067	10.5	18.7
4 1	10 35.09	+ 7 52.9	1.148	2.053	15.8	18.9
4 11	10 31.94	+ 8 49.0	1.204	2.040	20.3	19.2
269772	1999 TJ_{76}		3	3.5	207.°40	1.°5/ 2.1 17
2 1	11 20.33	+ 9 11.3	2.170	3.021	11.1	21.4
2 11	11 14.78	+ 9 49.6	2.094	3.018	7.9	21.2
2 21	11 7.51	+10 34.5	2.044	3.015	4.3	20.9
3 2	10 59.18	+11 20.8	2.022	3.012	1.5	20.7
3 12	10 50.66	+12 2.9	2.031	3.008	4.2	20.9
3 22	10 42.83	+12 36.2	2.068	3.004	7.9	21.1
4 1	10 36.45	+12 57.2	2.131	2.999	11.2	21.3
4 11	10 32.07	+13 4.6	2.216	2.995	14.1	21.5
381679	2009 BH_{92}		3	3.5	347.°30	0.°8/ 4.2 16
2 1	11 17.63	+ 2 55.1	1.810	2.658	13.1	21.0
2 11	11 13.15	+ 3 11.8	1.732	2.652	9.6	20.7
2 21	11 6.73	+ 3 41.4	1.679	2.647	5.5	20.5
3 2	10 59.10	+ 4 19.9	1.652	2.642	1.3	20.2
3 12	10 51.22	+ 5 1.6	1.653	2.638	3.6	20.3
3 22	10 44.10	+ 5 40.7	1.681	2.635	7.9	20.6
4 1	10 38.59	+ 6 11.9	1.735	2.632	11.8	20.8
4 11	10 35.30	+ 6 31.6	1.809	2.630	15.2	21.0
498135	2007 TZ_{42}		3	3.5	9.°84	0.°1/ 3.4 17
2 1	11 18.00	+ 4 51.1	1.885	2.736	12.6	21.2
2 11	11 13.30	+ 5 23.8	1.814	2.737	9.0	21.0
2 21	11 6.76	+ 6 7.7	1.768	2.738	5.0	20.7
3 2	10 59.10	+ 6 57.8	1.749	2.740	0.6	20.4
3 12	10 51.27	+ 7 47.9	1.758	2.742	3.8	20.7
3 22	10 44.20	+ 8 32.1	1.796	2.744	7.9	20.9
4 1	10 38.72	+ 9 5.7	1.858	2.746	11.6	21.1
4 11	10 35.37	+ 9 26.0	1.942	2.749	14.8	21.4

2020	α_{2000}	δ_{2000}	Δ	r	β	V
246071	2006 WH_{44}		3	3.5	158.°47	5.°6/24.1 18
	h m	° ′			°	m
2 1	11 19.45	+28 0.3	3.033	3.883	8.3	21.3
2 11	11 13.81	+29 10.1	2.985	3.889	6.7	21.2
2 21	11 6.84	+30 13.1	2.965	3.895	5.7	21.2
3 2	10 59.10	+31 3.9	2.974	3.901	5.9	21.2
3 12	10 51.30	+31 38.4	3.012	3.906	7.2	21.3
3 22	10 44.10	+31 55.0	3.076	3.911	9.0	21.4
4 1	10 38.10	+31 53.4	3.163	3.915	10.7	21.5
4 11	10 33.71	+31 35.3	3.271	3.919	12.2	21.7
362636	2011 SH_{146}		3	3.5	69.°09	1.°1/ 4.4 18
2 1	11 22.33	+ 1 13.9	1.386	2.235	16.3	20.8
2 11	11 16.73	+ 1 44.6	1.334	2.253	11.9	20.6
2 21	11 8.73	+ 2 33.4	1.304	2.271	6.9	20.4
3 2	10 59.36	+ 3 34.0	1.299	2.289	1.8	20.1
3 12	10 49.96	+ 4 38.0	1.322	2.307	4.2	20.3
3 22	10 41.80	+ 5 36.8	1.370	2.325	9.2	20.6
4 1	10 35.87	+ 6 23.8	1.443	2.343	13.6	20.9
4 11	10 32.71	+ 6 54.9	1.535	2.361	17.2	21.2
130459	2000 QZ_{66}		3	3.6	158.°77	1.°8/ 1.8 18
2 1	11 21.71	+ 7 49.3	1.761	2.616	13.1	20.2
2 11	11 16.05	+ 9 0.2	1.695	2.622	9.2	20.0
2 21	11 8.32	+10 21.6	1.655	2.627	5.0	19.7
3 2	10 59.32	+11 45.7	1.643	2.632	1.8	19.5
3 12	10 50.15	+13 3.7	1.660	2.636	5.1	19.7
3 22	10 41.88	+14 8.5	1.704	2.639	9.3	20.0
4 1	10 35.42	+14 55.2	1.774	2.642	13.1	20.2
4 11	10 31.36	+15 22.3	1.864	2.644	16.3	20.4
131736	2001 YB_{114}		3	3.6	355.°18	2.°3/ 5.3 18
2 1	11 18.56	− 1 16.9	1.278	2.130	17.3	19.2
2 11	11 14.43	− 0 53.2	1.209	2.127	13.0	18.9
2 21	11 7.69	− 0 6.0	1.161	2.125	7.9	18.6
3 2	10 59.26	+ 1 0.1	1.136	2.124	3.0	18.3
3 12	10 50.50	+ 2 16.2	1.137	2.123	4.5	18.4
3 22	10 42.79	+ 3 32.0	1.163	2.123	9.7	18.7
4 1	10 37.33	+ 4 37.8	1.211	2.123	14.6	19.0
4 11	10 34.83	+ 5 27.0	1.279	2.124	18.8	19.2
56298	1999 RO_{46}		3	3.6	269.°21	2.°1/29.7 18
2 1	11 16.32	+10 7.7	2.486	3.341	9.7	19.0
2 11	11 11.90	+11 25.6	2.395	3.322	6.9	18.8
2 21	11 5.96	+12 51.2	2.332	3.303	3.8	18.6
3 2	10 59.02	+14 18.7	2.298	3.284	2.2	18.4
3 12	10 51.80	+15 41.3	2.295	3.264	4.6	18.6
3 22	10 45.04	+16 53.2	2.321	3.244	7.9	18.7
4 1	10 39.44	+17 50.3	2.374	3.224	10.9	18.9
4 11	10 35.53	+18 30.3	2.449	3.203	13.5	19.1
453247	2008 SS_{31}		3	3.6	161.°44	2.°0/ 5.2 18
2 1	11 24.34	− 0 49.5	1.746	2.572	14.6	22.2
2 11	11 17.96	− 0 32.1	1.673	2.578	10.8	22.0
2 21	11 9.40	+ 0 2.2	1.624	2.584	6.6	21.7
3 2	10 59.49	+ 0 49.6	1.602	2.589	2.5	21.5
3 12	10 49.36	+ 1 44.0	1.609	2.593	3.8	21.6
3 22	10 40.16	+ 2 38.6	1.644	2.596	8.1	21.8
4 1	10 32.84	+ 3 26.9	1.705	2.599	12.2	22.1
4 11	10 28.02	+ 4 4.1	1.788	2.601	15.6	22.3
249460	2009 HZ_{84}		3	3.6	175.°32	0.°3/ 3.9 18
2 1	11 21.68	+ 2 55.7	2.148	2.981	11.9	21.4
2 11	11 15.75	+ 3 36.3	2.071	2.984	8.6	21.1
2 21	11 8.07	+ 4 28.8	2.020	2.987	4.9	20.9
3 2	10 59.31	+ 5 28.6	1.998	2.989	0.8	20.6
3 12	10 50.36	+ 6 29.9	2.006	2.990	3.4	20.8
3 22	10 42.13	+ 7 26.6	2.044	2.990	7.3	21.1
4 1	10 35.38	+ 8 14.0	2.109	2.989	10.8	21.3
4 11	10 30.66	+ 8 48.9	2.196	2.988	13.8	21.5
165426	2000 YO_{60}		3	3.6	49.°78	0.°9/ 4.2 18
2 1	11 21.63	+ 2 20.0	1.329	2.184	16.5	19.5
2 11	11 16.35	+ 2 43.7	1.274	2.197	12.0	19.3
2 21	11 8.59	+ 3 24.5	1.242	2.211	6.8	19.0
3 2	10 59.38	+ 4 16.6	1.235	2.225	1.5	18.7
3 12	10 50.08	+ 5 11.6	1.254	2.239	4.4	18.9
3 22	10 42.03	+ 6 1.3	1.298	2.254	9.5	19.3
4 1	10 36.26	+ 6 39.1	1.366	2.269	14.0	19.6
4 11	10 33.33	+ 7 1.4	1.454	2.284	17.7	19.8
222351	2000 WL_{128}		3	3.6	151.°37	1.°1/ 4.7 18
2 1	11 19.83	+ 0 44.2	2.169	2.997	12.0	21.0
2 11	11 14.40	+ 1 12.4	2.094	3.002	8.8	20.8
2 21	11 7.30	+ 1 53.4	2.045	3.008	5.2	20.6
3 2	10 59.20	+ 2 43.6	2.024	3.013	1.6	20.3
3 12	10 50.95	+ 3 37.7	2.033	3.018	3.1	20.5
3 22	10 43.40	+ 4 30.1	2.071	3.022	6.8	20.7
4 1	10 37.27	+ 5 15.9	2.136	3.026	10.3	20.9
4 11	10 33.09	+ 5 51.4	2.225	3.030	13.2	21.1

2020	α_{2000}	δ_{2000}	Δ	r	β	V
360403	2002 FF_{40}		3	3.6	340.°69	6.°7/27.6 17
	h m	° ′			°	m
2 1	11 16.38	+16 7.0	1.053	1.950	16.3	19.8
2 11	11 13.42	+17 35.9	0.990	1.935	11.9	19.5
2 21	11 7.37	+19 11.3	0.949	1.920	7.8	19.3
3 2	10 59.25	+20 38.8	0.930	1.908	7.0	19.2
3 12	10 50.67	+21 44.1	0.934	1.897	10.6	19.3
3 22	10 43.33	+22 17.6	0.959	1.887	15.5	19.5
4 1	10 38.67	+22 16.2	1.003	1.879	20.1	19.8
4 11	10 37.48	+21 42.3	1.061	1.873	24.1	20.0
116945	2004 GL_{45}		3	3.6	181.°92	1.°6/ 5.0 18
2 1	11 20.19	− 0 11.9	1.763	2.598	14.1	20.0
2 11	11 15.01	+ 0 12.5	1.687	2.598	10.4	19.8
2 21	11 7.79	+ 0 53.5	1.635	2.598	6.3	19.5
3 2	10 59.28	+ 1 47.2	1.610	2.598	2.2	19.3
3 12	10 50.54	+ 2 47.0	1.613	2.598	3.7	19.4
3 22	10 42.60	+ 3 46.1	1.644	2.598	8.0	19.6
4 1	10 36.41	+ 4 37.9	1.700	2.597	12.0	19.8
4 11	10 32.55	+ 5 17.6	1.777	2.597	15.4	20.1
323431	2004 FG_{120}		3	3.6	168.°34	0.°8/ 2.7 17
2 1	11 21.74	+ 6 56.5	2.290	3.131	11.0	21.4
2 11	11 15.69	+ 7 38.4	2.217	3.137	7.8	21.2
2 21	11 7.99	+ 8 28.3	2.171	3.141	4.2	20.9
3 2	10 59.31	+ 9 21.2	2.155	3.145	0.9	20.7
3 12	10 50.48	+10 11.5	2.169	3.148	3.7	20.9
3 22	10 42.35	+10 54.6	2.212	3.150	7.3	21.1
4 1	10 35.64	+11 26.7	2.283	3.152	10.6	21.4
4 11	10 30.85	+11 45.9	2.376	3.153	13.3	21.5
8962	Noctua		3	3.6	92.°31	1.°8/ 1.6 18
2 1	11 18.73	+10 42.6	2.349	3.203	10.3	17.9
2 11	11 13.49	+11 21.0	2.285	3.211	7.2	17.8
2 21	11 6.75	+12 3.8	2.247	3.218	3.9	17.6
3 2	10 59.13	+12 46.2	2.238	3.226	1.8	17.4
3 12	10 51.44	+13 23.1	2.259	3.233	4.2	17.6
3 22	10 44.43	+13 50.8	2.309	3.241	7.4	17.8
4 1	10 38.75	+14 6.7	2.385	3.248	10.4	18.0
4 11	10 34.87	+14 9.7	2.482	3.255	12.9	18.2
270554	2002 GP_{179}		3	3.6	280.°33	6.°3/25.6 17
2 1	11 19.46	+21 25.3	1.916	2.787	11.5	20.2
2 11	11 14.55	+22 59.5	1.848	2.774	8.6	20.0
2 21	11 7.57	+24 32.4	1.806	2.761	6.6	19.9
3 2	10 59.27	+25 54.4	1.791	2.748	6.7	19.9
3 12	10 50.67	+26 57.0	1.804	2.735	8.9	20.0
3 22	10 42.84	+27 35.4	1.842	2.722	12.0	20.1
4 1	10 36.72	+27 47.8	1.903	2.710	14.9	20.3
4 11	10 32.93	+27 35.8	1.981	2.697	17.5	20.5
512982	2017 UG_{14}		3	3.6	183.°10	0.°3/ 3.9 17
2 1	11 19.18	+ 4 7.0	2.627	3.459	10.0	21.9
2 11	11 13.73	+ 4 27.5	2.547	3.460	7.2	21.8
2 21	11 6.87	+ 4 56.2	2.493	3.459	4.1	21.5
3 2	10 59.16	+ 5 30.0	2.469	3.459	0.7	21.3
3 12	10 51.30	+ 6 4.7	2.475	3.458	2.8	21.5
3 22	10 44.00	+ 6 36.7	2.511	3.457	6.1	21.7
4 1	10 37.88	+ 7 2.5	2.575	3.456	9.1	21.9
4 11	10 33.38	+ 7 19.7	2.663	3.454	11.6	22.0
498560	2008 JS_{23}		3	3.6	259.°98	2.°9/29.6 17
2 1	11 21.16	+12 32.5	2.041	2.899	11.4	22.3
2 11	11 15.67	+13 31.0	1.951	2.879	8.1	22.0
2 21	11 8.18	+14 35.4	1.888	2.859	4.7	21.8
3 2	10 59.36	+15 39.1	1.854	2.838	3.0	21.6
3 12	10 50.16	+16 34.9	1.849	2.817	5.7	21.7
3 22	10 41.58	+17 16.9	1.872	2.795	9.4	21.9
4 1	10 34.54	+17 41.7	1.920	2.772	13.0	22.1
4 11	10 29.70	+17 48.1	1.988	2.750	16.0	22.3
429872	2012 SC_{30}		3	3.6	348.°01	1.°9/ 1.9 17
2 1	11 21.15	+11 2.5	1.994	2.851	11.7	20.7
2 11	11 15.49	+11 24.1	1.922	2.849	8.3	20.5
2 21	11 7.97	+11 50.3	1.876	2.848	4.5	20.2
3 2	10 59.32	+12 16.0	1.858	2.846	1.9	20.0
3 12	10 50.51	+12 36.1	1.869	2.845	4.6	20.2
3 22	10 42.49	+12 46.5	1.908	2.844	8.4	20.5
4 1	10 36.09	+12 44.9	1.972	2.843	11.8	20.7
4 11	10 31.86	+12 30.5	2.057	2.843	14.8	20.9
302813	2003 BL_{70}		3	3.6	274.°86	1.°5/ 5.0 17
2 1	11 20.12	+ 1 1.6	2.397	3.221	11.2	20.4
2 11	11 14.62	+ 0 59.5	2.302	3.207	8.3	20.2
2 21	11 7.47	+ 1 7.7	2.231	3.192	5.0	20.0
3 2	10 59.26	+ 1 24.3	2.190	3.177	1.9	19.7
3 12	10 50.76	+ 1 45.7	2.178	3.162	3.0	19.8
3 22	10 42.78	+ 2 8.1	2.196	3.147	6.5	20.0
4 1	10 36.06	+ 2 27.9	2.241	3.132	9.8	20.2
4 11	10 31.15	+ 2 41.6	2.310	3.117	12.7	20.3

231543 2008 SR_{218} 3 3.6 152.°72 1.°0/ 4.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 19.85	+ 1 27.8	2.259	3.088	11.6	21.0
2 11	11 14.37	+ 1 51.0	2.184	3.093	8.5	20.8
2 21	11 7.28	+ 2 25.8	2.135	3.098	4.9	20.6
3 2	10 59.23	+ 3 8.7	2.114	3.103	1.4	20.4
3 12	10 51.03	+ 3 54.9	2.123	3.107	3.0	20.5
3 22	10 43.50	+ 4 39.4	2.161	3.111	6.6	20.7
4 1	10 37.35	+ 5 17.8	2.227	3.115	10.0	21.0
4 11	10 33.08	+ 5 46.8	2.315	3.118	12.8	21.1

39873 1998 DC_{34} 3 3.6 288.°53 0.°7/ 3.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 21.97	+ 6 23.1	1.505	2.364	14.7	19.2
2 11	11 16.74	+ 6 52.0	1.422	2.349	10.6	18.9
2 21	11 8.97	+ 7 33.6	1.363	2.335	5.8	18.6
3 2	10 59.49	+ 8 21.9	1.330	2.321	0.9	18.2
3 12	10 49.55	+ 9 9.3	1.325	2.307	4.9	18.4
3 22	10 40.49	+ 9 48.3	1.345	2.293	10.0	18.7
4 1	10 33.48	+10 13.4	1.389	2.279	14.7	18.9
4 11	10 29.29	+10 21.6	1.452	2.265	18.6	19.1

380565 2004 QO_{19} 3 3.6 204.°99 5.°6/24.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 21.83	+24 59.4	2.714	3.566	9.1	22.6
2 11	11 15.73	+26 20.9	2.648	3.560	7.1	22.5
2 21	11 8.03	+27 37.8	2.611	3.552	5.7	22.4
3 2	10 59.34	+28 43.6	2.603	3.544	5.9	22.4
3 12	10 50.45	+29 32.7	2.625	3.534	7.5	22.5
3 22	10 42.16	+30 2.1	2.674	3.524	9.7	22.6
4 1	10 35.19	+30 11.3	2.746	3.514	11.8	22.7
4 11	10 30.04	+30 1.6	2.839	3.502	13.7	22.9

303464 2005 CZ_{25} 3 3.6 1.°85 5.°1/29.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 21.78	+15 27.8	1.194	2.079	15.9	20.0
2 11	11 16.87	+16 18.5	1.139	2.077	11.4	19.8
2 21	11 9.07	+17 12.0	1.105	2.076	6.9	19.5
3 2	10 59.49	+17 57.7	1.095	2.076	5.2	19.4
3 12	10 49.71	+18 25.8	1.109	2.077	8.5	19.6
3 22	10 41.30	+18 30.8	1.147	2.079	13.1	19.9
4 1	10 35.48	+18 11.3	1.206	2.082	17.4	20.1
4 11	10 32.89	+17 29.5	1.282	2.086	21.0	20.4

84449 2002 TA_{241} 3 3.6 99.°06 1.°3/ 2.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 19.27	+ 8 32.2	2.234	3.085	10.9	20.0
2 11	11 13.91	+ 9 14.2	2.173	3.098	7.6	19.8
2 21	11 7.00	+10 2.6	2.139	3.110	4.1	19.6
3 2	10 59.19	+10 52.3	2.133	3.123	1.3	19.4
3 12	10 51.32	+11 37.8	2.158	3.135	3.9	19.6
3 22	10 44.19	+12 14.7	2.210	3.147	7.4	19.8
4 1	10 38.46	+12 39.9	2.289	3.159	10.5	20.1
4 11	10 34.61	+12 51.9	2.391	3.171	13.1	20.3

62137 2000 SM_7 3 3.6 25.°54 0.°8/ 2.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 21.60	+ 8 43.7	2.113	2.962	11.5	18.7
2 11	11 15.68	+ 8 48.7	2.043	2.966	8.1	18.5
2 21	11 8.02	+ 8 59.2	1.999	2.970	4.4	18.3
3 2	10 59.33	+ 9 11.2	1.983	2.974	0.9	18.0
3 12	10 50.54	+ 9 20.7	1.998	2.978	3.8	18.2
3 22	10 42.53	+ 9 24.3	2.040	2.983	7.5	18.5
4 1	10 36.05	+ 9 19.6	2.109	2.988	10.9	18.7
4 11	10 31.63	+ 9 5.2	2.200	2.993	13.7	18.9

309355 2007 TZ_{66} 3 3.6 75.°13 1.°9/ 5.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 20.67	− 1 6.1	1.482	2.322	15.9	20.8
2 11	11 15.54	− 0 31.6	1.421	2.334	11.8	20.6
2 21	11 8.13	+ 0 23.1	1.382	2.346	7.1	20.4
3 2	10 59.36	+ 1 32.7	1.370	2.358	2.5	20.1
3 12	10 50.46	+ 2 48.9	1.384	2.370	4.0	20.2
3 22	10 42.63	+ 4 2.6	1.426	2.382	8.7	20.5
4 1	10 36.85	+ 5 5.9	1.491	2.394	13.0	20.8
4 11	10 33.70	+ 5 53.7	1.578	2.406	16.7	21.1

497642 2006 RW_{31} 3 3.6 138.°75 0.°0/ 3.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 17.85	+ 4 45.2	2.779	3.614	9.5	22.8
2 11	11 12.69	+ 5 18.9	2.709	3.624	6.8	22.7
2 21	11 6.26	+ 6 0.0	2.665	3.633	3.7	22.5
3 2	10 59.10	+ 6 45.2	2.652	3.642	0.5	22.2
3 12	10 51.86	+ 7 30.2	2.669	3.651	2.8	22.4
3 22	10 45.17	+ 8 11.2	2.717	3.660	5.8	22.7
4 1	10 39.59	+ 8 44.8	2.792	3.668	8.6	22.8
4 11	10 35.51	+ 9 8.9	2.891	3.676	11.0	23.0

402974 2007 UT_{96} 3 3.6 212.°58 0.°4/ 3.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 22.45	+ 2 56.8	1.944	2.780	12.9	22.1
2 11	11 16.57	+ 3 30.5	1.859	2.773	9.4	21.9
2 21	11 8.66	+ 4 17.4	1.799	2.766	5.3	21.6
3 2	10 59.46	+ 5 13.0	1.767	2.758	1.0	21.3
3 12	10 49.94	+ 6 11.1	1.765	2.749	3.7	21.5
3 22	10 41.13	+ 7 5.1	1.792	2.740	8.0	21.7
4 1	10 33.95	+ 7 49.7	1.845	2.730	11.9	21.9
4 11	10 29.04	+ 8 21.3	1.920	2.719	15.2	22.1

522594 2016 ER_{247} 3 3.6 194.°19 1.°1/ 4.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 18.47	+ 0 14.4	2.076	2.906	12.4	21.7
2 11	11 13.56	+ 0 54.1	1.996	2.905	9.1	21.5
2 21	11 6.93	+ 1 48.6	1.941	2.904	5.4	21.3
3 2	10 59.21	+ 2 53.6	1.914	2.903	1.6	21.0
3 12	10 51.29	+ 4 3.2	1.917	2.901	3.2	21.1
3 22	10 44.03	+ 5 10.7	1.948	2.900	7.1	21.4
4 1	10 38.21	+ 6 10.3	2.006	2.897	10.7	21.6
4 11	10 34.38	+ 6 57.8	2.087	2.895	13.8	21.8

254549 2005 ED_{222} 3 3.6 259.°99 2.°2/ 1.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 24.04	+10 47.8	1.698	2.557	13.3	20.7
2 11	11 17.97	+11 19.4	1.617	2.545	9.5	20.4
2 21	11 9.56	+11 57.7	1.561	2.533	5.3	20.1
3 2	10 59.59	+12 36.1	1.533	2.521	2.2	19.9
3 12	10 49.27	+13 7.9	1.532	2.508	5.5	20.1
3 22	10 39.81	+13 27.4	1.559	2.495	9.9	20.3
4 1	10 32.28	+13 31.5	1.610	2.482	14.0	20.5
4 11	10 27.38	+13 19.2	1.681	2.469	17.5	20.7

396899 2004 XV_{91} 3 3.6 187.°17 0.°8/ 4.3 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 23.15	+ 1 53.5	2.003	2.833	12.8	22.8
2 11	11 16.97	+ 2 24.7	1.922	2.833	9.3	22.6
2 21	11 8.84	+ 3 9.2	1.867	2.832	5.4	22.4
3 2	10 59.49	+ 4 2.8	1.841	2.830	1.3	22.1
3 12	10 49.89	+ 4 59.6	1.844	2.828	3.5	22.2
3 22	10 41.04	+ 5 53.5	1.876	2.825	7.6	22.5
4 1	10 33.81	+ 6 39.0	1.936	2.820	11.4	22.7
4 11	10 28.79	+ 7 12.5	2.017	2.816	14.6	22.9

258218 2001 TV_{26} 3 3.6 94.°39 4.°9/ 8.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 20.60	− 9 47.9	1.904	2.692	15.0	20.5
2 11	11 15.10	− 9 41.6	1.839	2.710	11.9	20.3
2 21	11 7.75	− 9 12.7	1.796	2.729	8.5	20.1
3 2	10 59.33	− 8 23.3	1.779	2.746	5.6	20.0
3 12	10 50.81	− 7 18.3	1.790	2.764	5.1	20.0
3 22	10 43.15	− 6 4.7	1.829	2.781	7.5	20.2
4 1	10 37.17	− 4 50.3	1.895	2.798	10.6	20.4
4 11	10 33.36	− 3 41.9	1.984	2.815	13.6	20.6

379932 2012 LW_2 3 3.6 234.°67 7.°1/24.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 22.79	+26 53.0	2.196	3.053	10.8	20.9
2 11	11 16.75	+28 14.7	2.131	3.042	8.6	20.7
2 21	11 8.73	+29 29.6	2.093	3.031	7.2	20.6
3 2	10 59.47	+30 29.5	2.083	3.019	7.5	20.6
3 12	10 49.98	+31 7.8	2.101	3.007	9.3	20.7
3 22	10 41.28	+31 21.6	2.144	2.994	11.7	20.9
4 1	10 34.24	+31 10.9	2.209	2.982	14.2	21.0
4 11	10 29.47	+30 38.3	2.292	2.968	16.3	21.1

500378 2012 TC_{59} 3 3.6 167.°52 1.°2/ 2.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 20.93	+ 9 25.8	2.471	3.317	10.1	21.3
2 11	11 15.03	+ 9 48.0	2.397	3.319	7.2	21.1
2 21	11 7.62	+10 14.9	2.351	3.321	3.9	20.9
3 2	10 59.31	+10 42.5	2.334	3.323	1.2	20.7
3 12	10 50.89	+11 6.8	2.347	3.325	3.6	20.9
3 22	10 43.11	+11 24.1	2.390	3.326	6.9	21.1
4 1	10 36.64	+11 32.1	2.460	3.327	9.9	21.3
4 11	10 31.96	+11 29.6	2.552	3.328	12.5	21.5

81752 2000 JR_{56} 3 3.6 267.°21 1.°5/ 2.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 19.89	+ 7 39.8	1.831	2.687	12.6	19.8
2 11	11 14.89	+ 8 33.7	1.746	2.673	9.0	19.6
2 21	11 7.82	+ 9 38.6	1.686	2.658	4.9	19.3
3 2	10 59.36	+10 48.2	1.653	2.643	1.5	19.0
3 12	10 50.54	+11 54.6	1.649	2.628	4.8	19.2
3 22	10 42.42	+12 50.8	1.673	2.612	9.2	19.4
4 1	10 35.95	+13 31.7	1.722	2.596	13.1	19.6
4 11	10 31.80	+13 54.7	1.791	2.581	16.5	19.8

59228 1999 CH 3 3.6 125.°89 4.°0/29.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 26.02	+14 36.1	1.578	2.442	13.8	18.3
2 11	11 19.28	+15 30.5	1.523	2.452	9.8	18.1
2 21	11 10.16	+16 27.2	1.493	2.463	5.8	17.9
3 2	10 59.67	+17 17.8	1.491	2.472	4.1	17.8
3 12	10 49.13	+17 54.4	1.516	2.481	6.9	18.0
3 22	10 39.78	+18 12.2	1.568	2.490	10.9	18.2
4 1	10 32.65	+18 9.8	1.643	2.499	14.6	18.5
4 11	10 28.27	+17 48.6	1.737	2.507	17.7	18.7

377382 2004 RU_{209} 3 3.6 208.°31 3.°7/ 7.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 19.39	− 8 9.5	2.478	3.260	12.1	22.2
2 11	11 14.06	− 7 56.4	2.383	3.254	9.5	22.0
2 21	11 7.17	− 7 25.9	2.312	3.247	6.7	21.8
3 2	10 59.27	− 6 39.5	2.269	3.239	4.2	21.6
3 12	10 51.13	− 5 40.8	2.256	3.231	4.0	21.6
3 22	10 43.49	− 4 35.0	2.272	3.222	6.3	21.7
4 1	10 37.09	− 3 27.8	2.316	3.213	9.3	21.9
4 11	10 32.43	− 2 24.9	2.385	3.203	12.0	22.0

84175 2002 RA_{105} 3 3.6 154.°83 1.°1/ 4.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 22.95	+ 0 32.1	1.585	2.423	15.2	19.9
2 11	11 17.15	+ 1 14.7	1.515	2.429	11.1	19.6
2 21	11 9.06	+ 2 15.7	1.470	2.435	6.5	19.4
3 2	10 59.54	+ 3 29.3	1.451	2.440	1.7	19.1
3 12	10 49.81	+ 4 47.4	1.460	2.445	4.0	19.2
3 22	10 41.06	+ 6 1.0	1.497	2.449	8.8	19.5
4 1	10 34.31	+ 7 3.0	1.559	2.452	13.1	19.8
4 11	10 30.20	+ 7 48.6	1.642	2.455	16.8	20.0

463929 2014 UU_{169} 3 3.6 86.°38 7.°2/25.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 21.99	+23 10.1	1.737	2.607	12.5	20.2
2 11	11 16.30	+24 51.8	1.699	2.622	9.5	20.1
2 21	11 8.47	+26 27.0	1.686	2.637	7.4	20.0
3 2	10 59.44	+27 45.6	1.701	2.651	7.6	20.0
3 12	10 50.41	+28 39.6	1.742	2.666	9.7	20.2
3 22	10 42.48	+29 5.9	1.808	2.681	12.5	20.4
4 1	10 36.54	+29 5.0	1.895	2.695	15.2	20.6
4 11	10 33.12	+28 40.4	2.000	2.709	17.5	20.8

255593 2006 OW_{10} 3 3.6 210.°22 1.°2/ 2.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 22.59	+ 7 44.5	2.087	2.933	11.7	22.2
2 11	11 16.56	+ 8 27.8	2.005	2.926	8.3	22.0
2 21	11 8.63	+ 9 19.7	1.948	2.919	4.5	21.8
3 2	10 59.49	+10 14.8	1.921	2.911	1.2	21.5
3 12	10 50.08	+11 6.9	1.924	2.902	4.2	21.7
3 22	10 41.36	+11 50.3	1.956	2.893	8.2	21.9
4 1	10 34.19	+12 21.2	2.013	2.882	11.8	22.1
4 11	10 29.15	+12 37.5	2.093	2.871	14.8	22.3

227588 2006 AH_{18} 3 3.6 10.°24 4.°0/ 6.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 19.77	− 1 52.9	1.291	2.138	17.4	18.8
2 11	11 15.23	− 2 27.4	1.229	2.142	13.3	18.6
2 21	11 8.13	− 2 42.3	1.188	2.146	8.7	18.3
3 2	10 59.43	− 2 38.9	1.170	2.153	4.6	18.1
3 12	10 50.51	− 2 21.7	1.177	2.160	5.1	18.2
3 22	10 42.72	− 1 57.3	1.209	2.170	9.4	18.4
4 1	10 37.19	− 1 32.9	1.264	2.180	13.8	18.7
4 11	10 34.58	− 1 14.7	1.338	2.192	17.6	19.0

301107 2008 VG_{70} 3 3.6 185.°33 5.°3/27.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 25.33	+18 17.5	1.801	2.664	12.5	21.9
2 11	11 18.73	+19 33.2	1.738	2.664	9.1	21.7
2 21	11 9.89	+20 48.8	1.701	2.664	6.1	21.6
3 2	10 59.67	+21 55.0	1.693	2.663	5.5	21.5
3 12	10 49.26	+22 43.8	1.712	2.661	7.9	21.7
3 22	10 39.82	+23 10.6	1.759	2.659	11.3	21.8
4 1	10 32.36	+23 14.0	1.828	2.655	14.6	22.1
4 11	10 27.48	+22 56.0	1.917	2.652	17.4	22.2

140574 2001 TA_{216} 3 3.6 126.°11 0.°1/ 3.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 20.86	+ 5 59.5	2.510	3.346	10.3	20.0
2 11	11 14.93	+ 6 11.5	2.439	3.355	7.4	19.8
2 21	11 7.56	+ 6 30.3	2.395	3.364	4.1	19.6
3 2	10 59.34	+ 6 52.5	2.381	3.372	0.5	19.3
3 12	10 51.03	+ 7 14.4	2.398	3.380	3.0	19.5
3 22	10 43.38	+ 7 32.5	2.444	3.388	6.3	19.8
4 1	10 37.01	+ 7 44.1	2.517	3.395	9.4	20.0
4 11	10 32.39	+ 7 47.3	2.614	3.403	11.9	20.2

430445 2000 QZ_{106} 3 3.6 204.°18 1.°5/ 5.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 16.18	− 2 27.8	2.939	3.747	9.7	22.1
2 11	11 11.55	− 1 44.7	2.847	3.742	7.3	22.0
2 21	11 5.70	− 0 49.1	2.781	3.737	4.5	21.8
3 2	10 59.09	+ 0 16.3	2.746	3.731	1.9	21.6
3 12	10 52.31	+ 1 27.0	2.741	3.725	2.5	21.6
3 22	10 45.96	+ 2 38.3	2.767	3.718	5.3	21.8
4 1	10 40.59	+ 3 45.6	2.822	3.711	8.1	22.0
4 11	10 36.62	+ 4 45.0	2.902	3.704	10.5	22.1

147354 2003 BY_{82} 3 3.6 4.°57 1.°7/ 4.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 20.95	+ 1 12.6	1.548	2.393	15.1	19.5
2 11	11 15.80	+ 1 15.7	1.477	2.393	11.2	19.2
2 21	11 8.36	+ 1 34.4	1.428	2.393	6.7	19.0
3 2	10 59.47	+ 2 5.2	1.405	2.394	2.3	18.7
3 12	10 50.33	+ 2 42.3	1.410	2.395	4.0	18.8
3 22	10 42.14	+ 3 19.0	1.440	2.396	8.7	19.1
4 1	10 35.91	+ 3 49.4	1.495	2.398	13.0	19.3
4 11	10 32.30	+ 4 8.9	1.571	2.401	16.6	19.6

343011 2009 BR_{90} 3 3.6 144.°92 1.°7/ 1.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 17.40	+ 9 17.7	2.443	3.296	10.0	21.0
2 11	11 12.57	+10 20.5	2.375	3.301	7.0	20.8
2 21	11 6.30	+11 29.5	2.335	3.306	3.8	20.6
3 2	10 59.18	+12 39.4	2.324	3.311	1.7	20.4
3 12	10 51.94	+13 44.1	2.343	3.316	4.1	20.6
3 22	10 45.30	+14 39.0	2.391	3.320	7.3	20.8
4 1	10 39.90	+15 20.5	2.466	3.325	10.2	21.0
4 11	10 36.19	+15 47.2	2.562	3.329	12.7	21.2

331797 2003 ON_{17} 3 3.6 175.°61 0.°4/ 3.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 23.40	+ 5 20.4	2.116	2.953	11.9	22.1
2 11	11 17.04	+ 5 58.4	2.040	2.957	8.5	21.9
2 21	11 8.85	+ 6 46.2	1.991	2.959	4.7	21.7
3 2	10 59.54	+ 7 39.1	1.970	2.961	0.6	21.3
3 12	10 50.05	+ 8 31.0	1.981	2.962	3.7	21.6
3 22	10 41.31	+ 9 16.6	2.020	2.962	7.6	21.8
4 1	10 34.12	+ 9 51.6	2.087	2.962	11.2	22.0
4 11	10 29.05	+10 13.7	2.176	2.960	14.1	22.2

485 Genua 3 3.6 41.°51 4.°3/ 8.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 16.25	− 9 9.7	1.547	2.358	16.8	12.0
2 11	11 12.33	− 8 25.3	1.486	2.374	13.1	11.8
2 21	11 6.36	− 7 12.6	1.447	2.391	9.0	11.6
3 2	10 59.19	− 5 36.0	1.432	2.408	5.3	11.4
3 12	10 51.93	− 3 44.2	1.444	2.426	4.8	11.4
3 22	10 45.64	− 1 48.2	1.484	2.444	8.0	11.7
4 1	10 41.19	+ 0 1.3	1.549	2.463	11.9	11.9
4 11	10 39.10	+ 1 35.8	1.636	2.481	15.4	12.2

218365 2004 HB_{50} 3 3.6 193.°16 4.°4/27.5 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 23.43	+20 21.9	2.599	3.451	9.5	21.0
2 11	11 16.85	+21 18.5	2.530	3.449	7.0	20.8
2 21	11 8.66	+22 12.9	2.489	3.445	4.9	20.7
3 2	10 59.52	+22 59.1	2.477	3.441	4.5	20.6
3 12	10 50.22	+23 32.2	2.496	3.437	6.3	20.8
3 22	10 41.59	+23 49.1	2.544	3.431	8.8	20.9
4 1	10 34.34	+23 49.0	2.617	3.424	11.3	21.1
4 11	10 28.95	+23 32.9	2.711	3.417	13.4	21.2

2070 Humason 3 3.6 167.°76 0.°5/ 3.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 24.69	+ 5 42.7	1.735	2.581	13.7	17.4
2 11	11 18.26	+ 6 18.9	1.665	2.585	9.8	17.2
2 21	11 9.64	+ 7 6.3	1.619	2.589	5.4	17.0
3 2	10 59.66	+ 7 59.4	1.601	2.592	0.8	16.6
3 12	10 49.48	+ 8 50.8	1.613	2.595	4.3	16.9
3 22	10 40.25	+ 9 34.2	1.653	2.597	8.8	17.2
4 1	10 32.93	+10 5.1	1.717	2.598	12.9	17.4
4 11	10 28.13	+10 20.9	1.803	2.598	16.2	17.6

96779 1999 RX_{82} 3 3.6 254.°40 0.°4/ 4.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 19.60	+ 2 58.9	2.121	2.958	11.9	20.4
2 11	11 14.47	+ 3 31.6	2.028	2.943	8.7	20.2
2 21	11 7.52	+ 4 16.7	1.961	2.928	4.9	19.9
3 2	10 59.37	+ 5 10.1	1.923	2.913	0.9	19.6
3 12	10 50.91	+ 6 6.2	1.914	2.898	3.4	19.7
3 22	10 43.02	+ 6 59.2	1.934	2.882	7.4	20.0
4 1	10 36.54	+ 7 44.0	1.980	2.866	11.1	20.2
4 11	10 32.08	+ 8 16.7	2.048	2.849	14.3	20.3

330094 2005 WM_{108} 3 3.6 182.°06 2.°0/ 1.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 20.98	+10 16.5	2.090	2.944	11.4	21.6
2 11	11 15.35	+11 6.6	2.019	2.945	8.0	21.4
2 21	11 7.93	+12 2.9	1.974	2.945	4.4	21.2
3 2	10 59.42	+12 59.4	1.957	2.945	2.0	21.0
3 12	10 50.74	+13 49.9	1.971	2.944	4.7	21.2
3 22	10 42.79	+14 29.2	2.012	2.943	8.4	21.4
4 1	10 36.38	+14 54.1	2.080	2.942	11.7	21.6
4 11	10 32.04	+15 3.4	2.168	2.940	14.5	21.8

253204 2002 XL_{75} 3 3.6 129.°02 2.°9/29.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 23.38	+13 16.7	2.150	3.004	11.1	21.0
2 11	11 16.89	+14 13.0	2.096	3.021	7.8	20.9
2 21	11 8.68	+15 12.0	2.069	3.038	4.5	20.7
3 2	10 59.52	+16 7.3	2.071	3.054	2.9	20.6
3 12	10 50.33	+16 52.7	2.104	3.069	5.3	20.8
3 22	10 42.01	+17 24.4	2.164	3.084	8.5	21.0
4 1	10 35.30	+17 40.2	2.251	3.097	11.5	21.2
4 11	10 30.67	+17 40.3	2.359	3.110	14.1	21.4

413207 2003 BW_{70} 3 3.6 86.°91 0.°0/ 3.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 22.66	+ 4 22.6	1.781	2.625	13.5	21.6
2 11	11 16.58	+ 4 56.3	1.728	2.647	9.6	21.4
2 21	11 8.57	+ 5 41.4	1.700	2.669	5.3	21.2
3 2	10 59.50	+ 6 32.2	1.700	2.690	0.7	20.9
3 12	10 50.44	+ 7 22.2	1.728	2.712	3.8	21.2
3 22	10 42.39	+ 8 5.5	1.785	2.732	8.0	21.5
4 1	10 36.17	+ 8 37.8	1.867	2.753	11.7	21.8
4 11	10 32.25	+ 8 56.6	1.971	2.773	14.8	22.0

405369 2003 XU_{37} 3 3.6 68.°18 3.°1/ 5.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 24.50	− 2 29.1	1.474	2.304	16.6	20.6
2 11	11 18.17	− 2 30.6	1.424	2.328	12.4	20.4
2 21	11 9.55	− 2 12.4	1.396	2.353	7.9	20.2
3 2	10 59.65	− 1 37.9	1.393	2.377	3.8	20.1
3 12	10 49.78	− 0 53.5	1.418	2.402	4.4	20.2
3 22	10 41.16	− 0 6.5	1.470	2.426	8.5	20.4
4 1	10 34.73	+ 0 36.2	1.546	2.450	12.6	20.7
4 11	10 31.01	+ 1 9.1	1.644	2.474	16.0	21.0

222598 2001 XT_{10} 3 3.6 229.°53 6.°4/25.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 23.57	+23 43.8	2.033	2.894	11.3	20.9
2 11	11 17.40	+24 57.7	1.967	2.885	8.7	20.8
2 21	11 9.15	+26 6.8	1.927	2.876	6.7	20.6
3 2	10 59.61	+27 2.7	1.915	2.867	6.8	20.6
3 12	10 49.85	+27 38.6	1.931	2.857	8.8	20.7
3 22	10 40.93	+27 51.1	1.973	2.847	11.6	20.9
4 1	10 33.78	+27 39.7	2.037	2.836	14.3	21.0
4 11	10 29.00	+27 7.0	2.120	2.825	16.7	21.2

312811 2011 FP_{88} 3 3.6 15.°34 2.°8/ 1.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 22.05	+12 24.1	1.697	2.561	13.0	20.3
2 11	11 16.41	+12 57.2	1.632	2.563	9.2	20.0
2 21	11 8.62	+13 34.6	1.592	2.564	5.2	19.8
3 2	10 59.54	+14 9.8	1.580	2.566	2.8	19.6
3 12	10 50.31	+14 36.2	1.595	2.568	5.7	19.8
3 22	10 42.05	+14 49.2	1.637	2.571	9.7	20.1
4 1	10 35.70	+14 46.4	1.703	2.574	13.4	20.3
4 11	10 31.83	+14 27.7	1.789	2.577	16.6	20.5

60974 2000 KC_3 3 3.6 80.°63 1.°4/ 4.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 21.59	− 0 25.2	1.376	2.222	16.6	18.9
2 11	11 16.32	+ 0 20.5	1.320	2.237	12.2	18.7
2 21	11 8.65	+ 1 27.4	1.286	2.252	7.2	18.4
3 2	10 59.54	+ 2 48.8	1.278	2.267	2.1	18.2
3 12	10 50.35	+ 4 14.8	1.296	2.282	4.2	18.3
3 22	10 42.34	+ 5 35.3	1.341	2.296	9.2	18.7
4 1	10 36.53	+ 6 42.4	1.410	2.311	13.7	19.0
4 11	10 33.50	+ 7 31.0	1.499	2.326	17.4	19.2

437201 2012 WZ_5 3 3.6 217.°69 3.°9/ 8.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 17.20	− 8 54.1	2.533	3.315	11.9	21.1
2 11	11 12.48	− 8 47.1	2.442	3.311	9.4	21.0
2 21	11 6.31	− 8 23.2	2.376	3.307	6.8	20.8
3 2	10 59.23	− 7 43.6	2.336	3.303	4.5	20.6
3 12	10 51.93	− 6 51.6	2.325	3.299	4.1	20.6
3 22	10 45.15	− 5 51.9	2.344	3.295	6.2	20.7
4 1	10 39.53	− 4 49.9	2.390	3.290	8.9	20.9
4 11	10 35.56	− 3 51.1	2.461	3.285	11.5	21.0

86636 2000 ER_{133} 3 3.6 254.°57 4.°0/29.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 21.60	+12 5.2	1.473	2.345	14.2	18.8
2 11	11 16.53	+13 30.2	1.402	2.336	10.1	18.5
2 21	11 8.91	+15 4.8	1.354	2.326	5.9	18.3
3 2	10 59.61	+16 38.3	1.334	2.317	4.1	18.1
3 12	10 49.92	+17 59.5	1.340	2.307	7.5	18.3
3 22	10 41.19	+18 59.8	1.372	2.297	12.0	18.5
4 1	10 34.58	+19 34.6	1.426	2.287	16.2	18.7
4 11	10 30.83	+19 43.7	1.498	2.277	19.7	19.0

508168 2015 FY_{211} 3 3.6 262.°05 0.°5/ 2.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 16.40	+ 4 38.6	2.586	3.426	9.9	21.7
2 11	11 11.94	+ 5 40.4	2.489	3.407	7.1	21.5
2 21	11 6.04	+ 6 52.9	2.419	3.388	3.9	21.2
3 2	10 59.20	+ 8 11.6	2.378	3.369	0.6	20.9
3 12	10 52.08	+ 9 30.8	2.369	3.349	3.3	21.1
3 22	10 45.39	+10 44.7	2.389	3.329	6.7	21.3
4 1	10 39.79	+11 48.5	2.437	3.309	9.9	21.5
4 11	10 35.80	+12 39.0	2.508	3.289	12.6	21.6

465889 2010 UT_2 3 3.6 118.°61 1.°7/ 2.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 26.17	+10 38.0	2.226	3.069	11.2	21.9
2 11	11 18.74	+11 8.8	2.173	3.093	7.9	21.7
2 21	11 9.66	+11 43.4	2.146	3.116	4.3	21.5
3 2	10 59.68	+12 16.9	2.150	3.138	1.7	21.4
3 12	10 49.75	+12 44.3	2.185	3.160	4.2	21.6
3 22	10 40.74	+13 2.3	2.250	3.180	7.6	21.8
4 1	10 33.37	+13 8.8	2.341	3.200	10.7	22.0
4 11	10 28.08	+13 3.3	2.455	3.219	13.3	22.3

88883 2001 SY_{280} 3 3.6 181.°69 0.°7/ 2.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 18.54	+ 7 0.4	2.571	3.414	9.9	20.4
2 11	11 13.35	+ 7 34.6	2.494	3.414	7.0	20.2
2 21	11 6.75	+ 8 15.7	2.444	3.414	3.8	20.0
3 2	10 59.29	+ 8 59.7	2.424	3.414	0.7	19.7
3 12	10 51.70	+ 9 41.9	2.434	3.414	3.3	19.9
3 22	10 44.66	+10 18.4	2.473	3.413	6.5	20.1
4 1	10 38.82	+10 45.8	2.540	3.412	9.5	20.3
4 11	10 34.63	+11 2.4	2.629	3.411	12.0	20.5

378785 2008 SV_{50} 3 3.6 239.°45 0.°9/ 4.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 18.51	+ 1 14.9	2.011	2.847	12.5	21.3
2 11	11 13.68	+ 1 50.0	1.931	2.844	9.2	21.1
2 21	11 7.08	+ 2 39.2	1.876	2.841	5.3	20.9
3 2	10 59.35	+ 3 38.3	1.849	2.838	1.4	20.6
3 12	10 51.39	+ 4 41.2	1.850	2.835	3.3	20.7
3 22	10 44.11	+ 5 41.6	1.880	2.832	7.4	21.0
4 1	10 38.31	+ 6 33.9	1.937	2.829	11.0	21.2
4 11	10 34.55	+ 7 13.9	2.015	2.825	14.2	21.4

419177 2009 TK_{33} 3 3.6 92.°61 0.°8/ 4.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 19.73	+ 1 4.9	1.948	2.782	12.9	21.1
2 11	11 14.44	+ 1 46.5	1.887	2.799	9.4	20.9
2 21	11 7.41	+ 2 42.1	1.851	2.816	5.4	20.7
3 2	10 59.38	+ 3 46.6	1.843	2.832	1.4	20.5
3 12	10 51.29	+ 4 53.6	1.864	2.848	3.3	20.7
3 22	10 44.02	+ 5 56.5	1.913	2.864	7.3	20.9
4 1	10 38.34	+ 6 49.8	1.989	2.880	10.9	21.2
4 11	10 34.74	+ 7 30.1	2.088	2.895	13.9	21.4

292385 2006 SD_{265} 3 3.6 229.°01 3.°6/ 7.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 17.28	− 7 40.5	2.510	3.298	11.8	21.2
2 11	11 12.55	− 7 33.5	2.419	3.294	9.3	21.0
2 21	11 6.36	− 7 10.3	2.353	3.289	6.5	20.8
3 2	10 59.25	− 6 32.1	2.314	3.285	4.1	20.7
3 12	10 51.92	− 5 42.4	2.304	3.280	3.9	20.7
3 22	10 45.10	− 4 45.8	2.323	3.275	6.1	20.8
4 1	10 39.45	− 3 47.8	2.369	3.269	8.9	20.9
4 11	10 35.46	− 2 53.4	2.440	3.264	11.6	21.1

301420 2009 DC_{51} 3 3.6 322.°42 1.°7/ 1.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 18.94	+10 6.0	2.142	2.998	11.0	21.1
2 11	11 13.90	+10 38.1	2.066	2.993	7.8	20.9
2 21	11 7.16	+11 15.8	2.016	2.987	4.3	20.7
3 2	10 59.36	+11 54.3	1.994	2.982	1.7	20.5
3 12	10 51.37	+12 28.1	2.001	2.977	4.3	20.7
3 22	10 44.05	+12 52.9	2.036	2.972	7.9	20.9
4 1	10 38.17	+13 5.6	2.097	2.968	11.3	21.1
4 11	10 34.26	+13 5.0	2.179	2.963	14.1	21.3

140987 2001 WS_{13} 3 3.6 43.°05 2.°6/ 6.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 16.18	− 4 40.2	2.226	3.037	12.3	19.8
2 11	11 11.85	− 4 12.8	2.149	3.042	9.4	19.6
2 21	11 5.99	− 3 28.6	2.095	3.046	6.2	19.4
3 2	10 59.19	− 2 30.5	2.069	3.050	3.2	19.2
3 12	10 52.24	− 1 23.6	2.072	3.055	3.4	19.2
3 22	10 45.91	− 0 13.7	2.104	3.059	6.4	19.4
4 1	10 40.87	+ 0 52.9	2.162	3.064	9.6	19.6
4 11	10 37.63	+ 1 51.2	2.245	3.069	12.5	19.8

201647 2003 SS_{429} 3 3.6 141.°63 0.°4/ 4.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 19.11	+ 2 52.7	2.199	3.035	11.6	21.5
2 11	11 13.93	+ 3 26.0	2.126	3.040	8.4	21.3
2 21	11 7.13	+ 4 10.5	2.078	3.045	4.7	21.1
3 2	10 59.36	+ 5 2.1	2.059	3.049	0.9	20.8
3 12	10 51.44	+ 5 55.3	2.070	3.054	3.2	21.0
3 22	10 44.20	+ 6 44.9	2.110	3.058	6.9	21.3
4 1	10 38.35	+ 7 26.2	2.176	3.062	10.3	21.5
4 11	10 34.39	+ 7 56.3	2.265	3.066	13.1	21.7

262479 2006 UQ_{182} 3 3.6 106.°11 2.°0/ 5.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 19.59	− 2 50.8	1.808	2.632	14.2	21.0
2 11	11 14.51	− 2 4.7	1.741	2.645	10.6	20.8
2 21	11 7.53	− 0 59.4	1.699	2.657	6.5	20.6
3 2	10 59.43	+ 0 20.4	1.683	2.669	2.6	20.3
3 12	10 51.20	+ 1 47.1	1.696	2.681	3.5	20.4
3 22	10 43.82	+ 3 12.5	1.738	2.693	7.6	20.7
4 1	10 38.13	+ 4 29.3	1.806	2.704	11.4	20.9
4 11	10 34.66	+ 5 32.0	1.896	2.715	14.6	21.2

120210 2004 EN_{39} 3 3.6 209.°35 0.°9/ 2.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 24.62	+ 8 17.7	2.151	2.993	11.6	20.4
2 11	11 17.97	+ 8 36.8	2.068	2.987	8.3	20.1
2 21	11 9.43	+ 9 2.3	2.011	2.981	4.5	19.9
3 2	10 59.70	+ 9 30.0	1.984	2.974	1.0	19.6
3 12	10 49.72	+ 9 54.9	1.987	2.966	3.9	19.8
3 22	10 40.46	+10 12.9	2.019	2.958	7.8	20.0
4 1	10 32.75	+10 21.0	2.078	2.949	11.3	20.2
4 11	10 27.19	+10 17.7	2.159	2.940	14.3	20.4

423223 2004 RF_{205} 3 3.6 225.°93 4.°9/ 9.0 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 20.16	−11 42.4	2.505	3.266	12.6	22.3
2 11	11 14.71	−11 43.8	2.402	3.254	10.2	22.1
2 21	11 7.62	−11 26.5	2.323	3.241	7.7	21.9
3 2	10 59.46	−10 50.7	2.270	3.227	5.5	21.8
3 12	10 50.97	− 9 59.0	2.247	3.212	5.0	21.7
3 22	10 42.94	− 8 56.0	2.252	3.197	6.8	21.8
4 1	10 36.14	− 7 47.6	2.286	3.181	9.4	21.9
4 11	10 31.11	− 6 40.2	2.344	3.165	12.1	22.1

163148 2002 CQ_{95} 3 3.6 12.°57 0.°3/ 3.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 18.67	+ 4 46.1	1.079	1.956	17.8	19.9
2 11	11 14.80	+ 5 17.5	1.024	1.959	12.8	19.7
2 21	11 8.05	+ 6 6.8	0.989	1.962	7.1	19.4
3 2	10 59.52	+ 7 6.1	0.977	1.968	0.9	19.0
3 12	10 50.78	+ 8 4.9	0.989	1.974	5.3	19.3
3 22	10 43.37	+ 8 53.4	1.024	1.982	11.1	19.6
4 1	10 38.53	+ 9 24.7	1.081	1.990	16.2	19.9
4 11	10 36.90	+ 9 35.4	1.155	2.000	20.4	20.2

39119 2000 WF_{37} 3 3.6 144.°57 4.°0/28.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 20.01	+16 1.5	2.128	2.991	10.8	19.4
2 11	11 14.65	+17 20.3	2.070	2.998	7.7	19.2
2 21	11 7.56	+18 40.6	2.038	3.004	4.9	19.0
3 2	10 59.44	+19 54.9	2.035	3.010	4.2	19.0
3 12	10 51.20	+20 56.2	2.062	3.015	6.4	19.2
3 22	10 43.73	+21 40.1	2.116	3.021	9.5	19.4
4 1	10 37.78	+22 4.3	2.194	3.026	12.4	19.5
4 11	10 33.86	+22 9.2	2.293	3.030	14.8	19.7

374514 2005 YH_{237} 3 3.6 209.°13 5.°8/ 9.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 21.20	−12 18.6	2.242	3.005	13.8	20.8
2 11	11 15.57	−12 42.0	2.151	3.001	11.3	20.6
2 21	11 8.14	−12 45.7	2.082	2.996	8.7	20.5
3 2	10 59.54	−12 29.1	2.040	2.991	6.4	20.3
3 12	10 50.63	−11 54.5	2.025	2.986	5.9	20.3
3 22	10 42.30	−11 6.3	2.039	2.981	7.6	20.4
4 1	10 35.37	−10 10.5	2.079	2.975	10.2	20.5
4 11	10 30.44	− 9 13.9	2.143	2.968	12.9	20.7

505009 2011 OD_{13} 3 3.6 195.°18 2.°6/ 6.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 18.52	− 4 32.0	2.733	3.530	10.7	21.8
2 11	11 13.32	− 4 25.7	2.644	3.528	8.2	21.6
2 21	11 6.75	− 4 6.5	2.580	3.526	5.5	21.4
3 2	10 59.34	− 3 36.0	2.545	3.523	3.1	21.3
3 12	10 51.74	− 2 57.3	2.540	3.520	3.2	21.3
3 22	10 44.62	− 2 14.5	2.565	3.516	5.6	21.4
4 1	10 38.61	− 1 31.9	2.618	3.512	8.4	21.6
4 11	10 34.15	− 0 53.3	2.695	3.508	10.9	21.8

496306 2013 EW_{122} 3 3.6 352.°06 1.°4/ 4.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 18.13	− 0 52.4	1.351	2.201	16.6	21.1
2 11	11 14.09	+ 0 1.2	1.280	2.199	12.3	20.8
2 21	11 7.58	+ 1 19.0	1.231	2.198	7.3	20.5
3 2	10 59.47	+ 2 54.6	1.207	2.196	2.1	20.2
3 12	10 51.05	+ 4 37.4	1.210	2.196	4.3	20.3
3 22	10 43.61	+ 6 15.8	1.238	2.195	9.6	20.6
4 1	10 38.29	+ 7 39.7	1.290	2.195	14.4	20.9
4 11	10 35.77	+ 8 42.8	1.361	2.195	18.5	21.1

375535 2008 UX_{186} 3 3.6 90.°07 15.°5/18.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 21.42	−30 4.6	1.192	1.897	26.5	20.8
2 11	11 17.01	−30 52.8	1.130	1.908	23.8	20.6
2 21	11 9.43	−30 50.1	1.079	1.919	20.9	20.4
3 2	10 59.74	−29 48.9	1.044	1.930	18.0	20.3
3 12	10 49.68	−27 49.6	1.028	1.941	16.0	20.2
3 22	10 41.01	−25 2.7	1.033	1.952	15.6	20.2
4 1	10 35.16	−21 47.0	1.060	1.962	17.1	20.3
4 11	10 32.90	−18 24.7	1.107	1.973	19.7	20.5

52469 1995 QV_1 3 3.6 174.°20 0.°4/ 3.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 25.81	+ 5 36.8	1.686	2.531	14.1	19.7
2 11	11 19.17	+ 6 7.0	1.615	2.535	10.1	19.4
2 21	11 10.22	+ 6 48.7	1.567	2.537	5.6	19.1
3 2	10 59.84	+ 7 36.2	1.548	2.539	0.8	18.8
3 12	10 49.23	+ 8 22.6	1.558	2.540	4.3	19.1
3 22	10 39.59	+ 9 1.5	1.595	2.540	9.0	19.3
4 1	10 31.95	+ 9 28.3	1.658	2.540	13.2	19.6
4 11	10 26.93	+ 9 40.6	1.741	2.538	16.6	19.8

321808 2010 RN_3 3 3.6 232.°88 3.°1/ 2.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 39.93	+14 40.4	1.206	2.063	17.7	20.2
2 11	11 30.28	+14 17.8	1.132	2.057	12.9	19.9
2 21	11 16.80	+13 53.1	1.081	2.051	7.4	19.6
3 2	11 0.81	+13 19.6	1.056	2.044	3.1	19.3
3 12	10 44.37	+12 32.1	1.060	2.037	7.0	19.5
3 22	10 29.64	+11 29.9	1.090	2.030	12.8	19.8
4 1	10 18.27	+10 15.0	1.143	2.022	18.0	20.1
4 11	10 11.08	+ 8 50.5	1.215	2.014	22.3	20.3

82973 2001 QA_{137} 3 3.6 246.°96 0.°4/ 3.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 24.90	+ 5 1.9	1.957	2.795	12.7	19.1
2 11	11 18.41	+ 5 2.7	1.868	2.783	9.3	18.9
2 21	11 9.80	+ 5 12.6	1.804	2.771	5.3	18.6
3 2	10 59.81	+ 5 28.4	1.768	2.758	0.9	18.3
3 12	10 49.46	+ 5 45.6	1.762	2.745	3.7	18.5
3 22	10 39.81	+ 5 59.7	1.784	2.732	8.0	18.7
4 1	10 31.84	+ 6 7.1	1.833	2.718	11.9	18.9
4 11	10 26.21	+ 6 5.1	1.905	2.705	15.3	19.1

135612 2002 JE_{27} 3 3.6 255.°29 1.°2/ 2.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 21.79	+ 6 38.4	1.805	2.656	13.0	20.6
2 11	11 16.39	+ 7 29.6	1.714	2.638	9.3	20.3
2 21	11 8.79	+ 8 33.1	1.648	2.620	5.1	20.0
3 2	10 59.67	+ 9 42.9	1.610	2.601	1.2	19.7
3 12	10 50.11	+10 51.1	1.601	2.581	4.7	19.9
3 22	10 41.21	+11 50.2	1.620	2.561	9.2	20.1
4 1	10 34.02	+12 34.6	1.664	2.540	13.4	20.3
4 11	10 29.25	+13 1.2	1.729	2.519	17.0	20.5

492737 2014 QD_{127} 3 3.6 233.°69 0.°9/ 4.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 23.41	+ 1 53.8	1.870	2.703	13.4	22.7
2 11	11 17.47	+ 2 21.4	1.778	2.689	9.9	22.4
2 21	11 9.35	+ 3 3.7	1.710	2.675	5.8	22.2
3 2	10 59.76	+ 3 56.6	1.670	2.660	1.4	21.8
3 12	10 49.73	+ 4 54.1	1.660	2.644	3.7	22.0
3 22	10 40.38	+ 5 49.3	1.678	2.627	8.3	22.2
4 1	10 32.71	+ 6 36.1	1.722	2.610	12.4	22.4
4 11	10 27.43	+ 7 10.3	1.788	2.592	16.0	22.6

1550 Tito 3 3.6 117.°41 4.°2/28.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 24.61	+17 24.3	2.144	3.000	11.0	16.5
2 11	11 17.77	+18 30.9	2.099	3.023	7.9	16.4
2 21	11 9.20	+19 36.3	2.082	3.045	5.1	16.2
3 2	10 59.70	+20 33.4	2.095	3.067	4.3	16.2
3 12	10 50.24	+21 16.4	2.137	3.088	6.4	16.4
3 22	10 41.73	+21 41.8	2.207	3.108	9.3	16.6
4 1	10 34.90	+21 48.9	2.302	3.127	12.0	16.8
4 11	10 30.21	+21 38.8	2.417	3.145	14.3	17.0

257321 2009 HF_{94} 3 3.6 276.°98 0.°9/ 2.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 19.90	+ 5 22.2	1.656	2.511	13.8	21.2
2 11	11 15.19	+ 6 19.8	1.567	2.493	9.9	20.9
2 21	11 8.18	+ 7 32.7	1.503	2.474	5.4	20.6
3 2	10 59.60	+ 8 54.5	1.465	2.455	1.0	20.2
3 12	10 50.54	+10 16.1	1.455	2.436	4.8	20.5
3 22	10 42.19	+11 28.7	1.473	2.417	9.7	20.7
4 1	10 35.62	+12 25.5	1.514	2.398	14.1	20.9
4 11	10 31.60	+13 2.6	1.576	2.378	17.8	21.1

358635 2007 VD_{239} 3 3.6 210.°21 1.°9/ 1.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 23.15	+ 9 27.1	1.972	2.823	12.1	22.2
2 11	11 17.11	+10 17.7	1.893	2.817	8.6	21.9
2 21	11 9.05	+11 16.1	1.839	2.810	4.7	21.7
3 2	10 59.71	+12 16.2	1.814	2.803	1.9	21.5
3 12	10 50.09	+13 10.8	1.819	2.794	4.9	21.6
3 22	10 41.21	+13 54.2	1.852	2.785	8.8	21.9
4 1	10 33.98	+14 22.6	1.911	2.775	12.5	22.1
4 11	10 29.01	+14 34.5	1.991	2.765	15.6	22.3

240765 2005 MX_{12} 3 3.6 268.°14 7.°1/21.9 18 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 18.12	+27 0.7	2.360	3.222	9.9	20.0
2 11	11 13.48	+29 6.9	2.299	3.209	8.0	19.9
2 21	11 7.04	+31 8.1	2.266	3.196	7.1	19.8
3 2	10 59.43	+32 55.0	2.261	3.183	7.8	19.8
3 12	10 51.51	+34 20.1	2.285	3.170	9.6	19.9
3 22	10 44.17	+35 19.3	2.333	3.157	11.9	20.1
4 1	10 38.24	+35 51.5	2.403	3.143	14.0	20.2
4 11	10 34.31	+35 58.6	2.491	3.130	15.9	20.3

388268 2006 QR_{106} 3 3.6 114.°01 0.°1/ 3.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 16.87	+ 2 26.2	2.682	3.512	9.9	21.4
2 11	11 12.08	+ 3 28.7	2.617	3.529	7.1	21.3
2 21	11 6.03	+ 4 41.3	2.579	3.546	3.9	21.1
3 2	10 59.27	+ 5 59.4	2.571	3.562	0.6	20.8
3 12	10 52.44	+ 7 17.4	2.595	3.578	2.8	21.0
3 22	10 46.18	+ 8 30.3	2.649	3.593	5.9	21.3
4 1	10 41.03	+ 9 33.8	2.731	3.608	8.7	21.5
4 11	10 37.40	+10 25.0	2.838	3.623	11.1	21.7

97002 1999 TX_{240} 3 3.6 92.°89 3.°5/29.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 19.77	+13 52.5	1.929	2.794	11.7	19.7
2 11	11 14.64	+14 57.4	1.867	2.797	8.3	19.5
2 21	11 7.64	+16 5.9	1.830	2.799	4.9	19.3
3 2	10 59.51	+17 10.7	1.821	2.802	3.6	19.2
3 12	10 51.23	+18 4.6	1.840	2.804	6.1	19.3
3 22	10 43.77	+18 42.4	1.887	2.807	9.6	19.5
4 1	10 37.94	+19 1.6	1.958	2.809	12.8	19.8
4 11	10 34.29	+19 2.0	2.049	2.812	15.6	20.0

199775 2006 KL_{31} 3 3.6 295.°68 0.°5/ 4.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 19.02	+ 3 2.2	2.023	2.864	12.3	21.0
2 11	11 14.06	+ 3 29.0	1.945	2.862	8.9	20.8
2 21	11 7.32	+ 4 7.8	1.892	2.859	5.1	20.6
3 2	10 59.47	+ 4 54.5	1.867	2.857	1.0	20.3
3 12	10 51.40	+ 5 43.4	1.870	2.854	3.4	20.5
3 22	10 44.03	+ 6 29.0	1.902	2.852	7.4	20.7
4 1	10 38.14	+ 7 6.3	1.960	2.850	11.0	20.9
4 11	10 34.28	+ 7 32.2	2.040	2.848	14.1	21.1

29803 Michaelshao 3 3.6 57.°91 0.°4/ 3.3 18 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 20.78	+ 4 57.4	1.545	2.401	14.6	19.3
2 11	11 15.59	+ 5 38.5	1.488	2.413	10.4	19.0
2 21	11 8.22	+ 6 32.5	1.455	2.427	5.7	18.8
3 2	10 59.59	+ 7 32.9	1.449	2.440	0.8	18.5
3 12	10 50.88	+ 8 31.5	1.470	2.453	4.4	18.8
3 22	10 43.22	+ 9 21.4	1.518	2.467	9.0	19.1
4 1	10 37.54	+ 9 57.3	1.590	2.481	13.1	19.3
4 11	10 34.38	+10 16.6	1.683	2.495	16.5	19.6

115 Thyra 3 3.6 100.°03 4.°6/ 7.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 26.70	− 5 51.3	1.676	2.481	16.0	11.5
2 11	11 19.69	− 6 14.5	1.615	2.501	12.4	11.3
2 21	11 10.45	− 6 17.7	1.577	2.520	8.5	11.1
3 2	10 59.91	− 6 1.9	1.565	2.539	5.2	11.0
3 12	10 49.29	− 5 31.4	1.581	2.558	5.1	11.0
3 22	10 39.75	− 4 52.2	1.625	2.576	8.3	11.2
4 1	10 32.27	− 4 11.4	1.694	2.594	11.9	11.5
4 11	10 27.39	− 3 35.1	1.786	2.611	15.1	11.7

422471 2014 SR_{319} 3 3.6 173.°88 0.°1/ 3.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 22.08	+ 3 27.1	2.055	2.891	12.3	22.7
2 11	11 16.20	+ 4 6.8	1.979	2.894	8.9	22.5
2 21	11 8.48	+ 4 58.4	1.929	2.897	5.0	22.3
3 2	10 59.64	+ 5 57.2	1.908	2.899	0.8	21.9
3 12	10 50.61	+ 6 56.8	1.917	2.900	3.5	22.2
3 22	10 42.31	+ 7 51.5	1.954	2.900	7.5	22.4
4 1	10 35.57	+ 8 36.1	2.019	2.900	11.2	22.6
4 11	10 30.93	+ 9 7.7	2.106	2.900	14.2	22.8

409924 2006 TK_{116} 3 3.6 142.°52 5.°1/27.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 23.93	+19 33.6	2.013	2.874	11.4	21.7
2 11	11 17.51	+20 46.0	1.961	2.884	8.4	21.5
2 21	11 9.17	+21 56.2	1.935	2.894	5.8	21.4
3 2	10 59.73	+22 56.1	1.938	2.904	5.3	21.4
3 12	10 50.22	+23 39.1	1.969	2.913	7.5	21.5
3 22	10 41.65	+24 1.8	2.028	2.921	10.4	21.7
4 1	10 34.85	+24 3.4	2.110	2.928	13.2	21.9
4 11	10 30.32	+23 45.6	2.212	2.936	15.6	22.1

36817 2000 SL_{76} 3 3.6 245.°89 0.°3/ 3.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 20.73	+ 3 34.6	1.683	2.531	14.0	18.9
2 11	11 15.71	+ 4 33.2	1.598	2.519	10.1	18.7
2 21	11 8.43	+ 5 48.4	1.537	2.507	5.6	18.4
3 2	10 59.65	+ 7 13.9	1.504	2.495	0.7	18.0
3 12	10 50.46	+ 8 40.9	1.499	2.482	4.4	18.2
3 22	10 42.02	+10 0.3	1.522	2.468	9.2	18.5
4 1	10 35.37	+11 5.1	1.569	2.454	13.6	18.7
4 11	10 31.22	+11 51.0	1.637	2.440	17.3	18.9

401979 2002 UC_{32} 3 3.6 116.°29 0.°0/ 3.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 24.56	+ 4 32.3	2.261	3.091	11.5	23.6
2 11	11 17.63	+ 5 3.8	2.205	3.118	8.2	23.5
2 21	11 9.10	+ 5 44.0	2.176	3.143	4.5	23.3
3 2	10 59.72	+ 6 28.7	2.177	3.167	0.6	23.0
3 12	10 50.35	+ 7 12.5	2.209	3.191	3.2	23.3
3 22	10 41.83	+ 7 51.0	2.270	3.214	6.8	23.5
4 1	10 34.85	+ 8 20.8	2.360	3.235	10.0	23.8
4 11	10 29.85	+ 8 39.8	2.473	3.256	12.6	24.0

221397 2005 YQ_{56} 3 3.6 335.°30 0.°4/ 4.0 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 20.21	+ 3 18.6	1.788	2.633	13.4	21.1
2 11	11 15.10	+ 3 45.5	1.713	2.632	9.7	20.9
2 21	11 7.97	+ 4 25.4	1.663	2.631	5.5	20.7
3 2	10 59.58	+ 5 13.9	1.640	2.630	1.0	20.3
3 12	10 50.96	+ 6 4.4	1.645	2.629	3.7	20.5
3 22	10 43.14	+ 6 50.6	1.678	2.629	8.1	20.8
4 1	10 37.03	+ 7 27.3	1.736	2.628	12.1	21.0
4 11	10 33.22	+ 7 51.0	1.815	2.628	15.4	21.2

263859 2009 BX_{178} 3 3.6 300.°50 1.°0/ 4.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 20.60	+ 2 7.0	1.458	2.310	15.5	20.8
2 11	11 15.92	+ 2 28.1	1.373	2.294	11.5	20.5
2 21	11 8.69	+ 3 6.8	1.311	2.279	6.7	20.2
3 2	10 59.71	+ 3 58.6	1.273	2.263	1.6	19.8
3 12	10 50.22	+ 4 56.2	1.262	2.248	4.3	19.9
3 22	10 41.55	+ 5 51.3	1.277	2.233	9.6	20.2
4 1	10 34.91	+ 6 36.2	1.316	2.218	14.5	20.4
4 11	10 31.11	+ 7 5.9	1.374	2.204	18.6	20.7

421441 2014 KT_{97} 3 3.6 261.°60 3.°5/ 6.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 23.51	− 2 52.7	1.601	2.426	15.7	20.7
2 11	11 17.83	− 3 3.6	1.514	2.415	12.1	20.4
2 21	11 9.69	− 2 55.9	1.449	2.403	7.9	20.2
3 2	10 59.85	− 2 30.8	1.409	2.392	4.1	19.9
3 12	10 49.53	− 1 53.1	1.397	2.380	4.6	19.9
3 22	10 39.99	− 1 9.0	1.412	2.368	8.8	20.1
4 1	10 32.40	− 0 26.0	1.452	2.356	13.2	20.3
4 11	10 27.53	+ 0 9.7	1.512	2.343	17.1	20.6

346065 2007 UR_{83} 3 3.6 234.°27 4.°8/27.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 20.88	+20 37.2	2.316	3.177	10.1	21.3
2 11	11 15.25	+21 32.8	2.249	3.172	7.5	21.1
2 21	11 7.93	+22 26.0	2.209	3.167	5.3	21.0
3 2	10 59.57	+23 10.3	2.198	3.162	5.0	20.9
3 12	10 51.07	+23 40.4	2.215	3.157	6.9	21.0
3 22	10 43.28	+23 53.1	2.260	3.152	9.5	21.2
4 1	10 36.95	+23 47.4	2.328	3.146	12.2	21.4
4 11	10 32.59	+23 24.5	2.417	3.141	14.5	21.5

8617 1980 PW 3 3.6 147.°04 1.°2/ 4.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 23.55	+ 1 3.9	2.026	2.852	12.8	18.6
2 11	11 17.20	+ 1 26.8	1.956	2.863	9.4	18.4
2 21	11 9.02	+ 2 2.9	1.911	2.873	5.5	18.1
3 2	10 59.73	+ 2 48.1	1.894	2.883	1.7	17.9
3 12	10 50.31	+ 3 37.1	1.907	2.891	3.3	18.0
3 22	10 41.70	+ 4 24.2	1.950	2.900	7.3	18.3
4 1	10 34.72	+ 5 4.4	2.019	2.907	10.9	18.5
4 11	10 29.90	+ 5 34.2	2.111	2.914	13.9	18.7

330722 2008 QT_{34} 3 3.6 208.°40 0.°8/ 4.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 18.09	− 0 16.7	2.408	3.231	11.2	21.4
2 11	11 13.21	+ 0 42.9	2.319	3.225	8.2	21.2
2 21	11 6.81	+ 1 57.2	2.256	3.219	4.8	21.0
3 2	10 59.42	+ 3 21.7	2.223	3.212	1.3	20.8
3 12	10 51.81	+ 4 50.4	2.221	3.205	2.9	20.9
3 22	10 44.73	+ 6 16.7	2.248	3.197	6.5	21.1
4 1	10 38.87	+ 7 34.7	2.304	3.189	9.8	21.3
4 11	10 34.74	+ 8 40.1	2.384	3.180	12.7	21.4

132171 2002 EV_{21} 3 3.6 9.°47 5.°1/29.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 25.07	+16 36.0	1.339	2.214	15.1	19.3
2 11	11 19.10	+17 23.4	1.281	2.215	10.9	19.0
2 21	11 10.36	+18 11.5	1.246	2.215	6.8	18.8
3 2	10 59.94	+18 50.6	1.237	2.216	5.2	18.7
3 12	10 49.34	+19 12.1	1.253	2.218	8.2	18.9
3 22	10 40.06	+19 11.3	1.294	2.219	12.5	19.1
4 1	10 33.27	+18 47.7	1.357	2.221	16.6	19.4
4 11	10 29.61	+18 3.5	1.437	2.224	20.0	19.6

345697 2006 UU_{222} 3 3.6 127.°90 0.°6/ 4.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 19.74	+ 3 19.3	2.524	3.355	10.5	20.8
2 11	11 14.22	+ 3 32.3	2.451	3.362	7.6	20.6
2 21	11 7.28	+ 3 53.9	2.403	3.369	4.3	20.4
3 2	10 59.49	+ 4 21.2	2.385	3.375	1.0	20.2
3 12	10 51.59	+ 4 50.3	2.398	3.382	2.8	20.3
3 22	10 44.30	+ 5 17.4	2.440	3.388	6.1	20.6
4 1	10 38.24	+ 5 39.2	2.509	3.394	9.1	20.8
4 11	10 33.88	+ 5 53.2	2.603	3.400	11.7	20.9

58794 1998 FW_{84} 3 3.6 59.°50 5.°4/27.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 23.33	+22 37.8	2.146	3.006	10.9	18.2
2 11	11 16.99	+23 19.6	2.092	3.012	8.1	18.1
2 21	11 8.86	+23 56.0	2.063	3.018	5.9	17.9
3 2	10 59.71	+24 20.7	2.063	3.024	5.6	17.9
3 12	10 50.54	+24 29.0	2.091	3.030	7.4	18.0
3 22	10 42.28	+24 18.8	2.146	3.037	10.0	18.2
4 1	10 35.71	+23 50.4	2.225	3.043	12.7	18.4
4 11	10 31.30	+23 5.9	2.324	3.049	14.9	18.6

187994 2001 SZ_{63} 3 3.6 185.°89 2.°3/ 6.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 19.17	− 3 40.6	2.076	2.890	13.0	20.7
2 11	11 14.16	− 3 2.3	1.993	2.890	9.8	20.4
2 21	11 7.39	− 2 5.9	1.935	2.890	6.3	20.2
3 2	10 59.52	− 0 55.0	1.905	2.889	2.9	20.0
3 12	10 51.42	+ 0 24.5	1.904	2.887	3.4	20.0
3 22	10 43.98	+ 1 45.5	1.932	2.886	7.0	20.2
4 1	10 37.99	+ 3 1.0	1.987	2.884	10.6	20.5
4 11	10 34.01	+ 4 5.7	2.065	2.881	13.7	20.7

470246 2006 XE_{63} 3 3.6 214.°43 4.°3/ 8.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 17.34	−10 18.0	2.649	3.420	11.7	21.2
2 11	11 12.58	−10 19.8	2.558	3.417	9.4	21.0
2 21	11 6.42	−10 5.0	2.490	3.414	7.0	20.9
3 2	10 59.38	− 9 34.4	2.450	3.410	4.8	20.7
3 12	10 52.13	− 8 50.6	2.438	3.407	4.4	20.7
3 22	10 45.37	− 7 58.0	2.456	3.404	6.1	20.8
4 1	10 39.72	− 7 1.5	2.501	3.400	8.6	20.9
4 11	10 35.67	− 6 6.4	2.571	3.396	11.0	21.1

469563 2003 UZ_{337} 3 3.6 222.°70 4.°0/27.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 20.69	+21 25.3	2.880	3.734	8.6	21.3
2 11	11 14.82	+21 58.9	2.812	3.731	6.4	21.2
2 21	11 7.57	+22 29.1	2.771	3.727	4.5	21.1
3 2	10 59.54	+22 51.5	2.760	3.724	4.1	21.0
3 12	10 51.41	+23 2.5	2.779	3.720	5.7	21.1
3 22	10 43.89	+23 0.0	2.826	3.717	7.9	21.3
4 1	10 37.56	+22 43.4	2.899	3.713	10.1	21.4
4 11	10 32.87	+22 13.7	2.993	3.709	12.1	21.6

231541 2008 SF_{174} 3 3.6 93.°48 0.°3/ 3.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 19.03	+ 3 14.5	2.027	2.868	12.2	21.2
2 11	11 14.02	+ 3 49.8	1.957	2.874	8.8	20.9
2 21	11 7.29	+ 4 36.9	1.912	2.880	5.0	20.7
3 2	10 59.51	+ 5 31.2	1.895	2.885	0.9	20.4
3 12	10 51.58	+ 6 26.7	1.907	2.891	3.4	20.6
3 22	10 44.39	+ 7 17.7	1.947	2.896	7.3	20.9
4 1	10 38.70	+ 7 59.3	2.014	2.902	10.9	21.1
4 11	10 35.02	+ 8 28.5	2.103	2.907	13.9	21.3

376452 2012 HO_{63} 3 3.6 254.°44 7.°9/24.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 25.03	+28 10.5	2.004	2.860	11.7	21.1
2 11	11 18.63	+29 28.7	1.938	2.846	9.4	20.9
2 21	11 9.99	+30 38.7	1.896	2.830	8.0	20.8
3 2	10 59.91	+31 31.1	1.882	2.815	8.4	20.8
3 12	10 49.55	+31 59.0	1.895	2.799	10.3	20.9
3 22	10 40.08	+31 59.5	1.932	2.783	12.8	21.0
4 1	10 32.51	+31 33.1	1.991	2.766	15.4	21.2
4 11	10 27.48	+30 43.6	2.068	2.749	17.7	21.3

237236 2008 WV_5 3 3.6 119.°66 1.°3/ 2.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 19.45	+ 8 4.7	2.135	2.986	11.3	20.8
2 11	11 14.24	+ 8 51.4	2.069	2.993	8.0	20.6
2 21	11 7.38	+ 9 45.7	2.028	3.000	4.3	20.4
3 2	10 59.52	+10 42.0	2.017	3.006	1.3	20.2
3 12	10 51.55	+11 34.4	2.035	3.013	4.1	20.4
3 22	10 44.31	+12 17.7	2.081	3.019	7.7	20.6
4 1	10 38.51	+12 48.5	2.153	3.025	11.0	20.9
4 11	10 34.67	+13 5.1	2.248	3.031	13.8	21.1

495939 2006 QH_{90} 3 3.6 145.°61 3.°2/ 8.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 17.42	−10 3.3	3.410	4.170	9.6	22.5
2 11	11 12.30	− 9 48.8	3.329	4.183	7.6	22.4
2 21	11 6.13	− 9 21.1	3.273	4.196	5.5	22.2
3 2	10 59.35	− 8 41.3	3.246	4.208	3.7	22.1
3 12	10 52.49	− 7 52.2	3.250	4.219	3.4	22.1
3 22	10 46.06	− 6 57.4	3.284	4.230	4.8	22.2
4 1	10 40.53	− 6 0.7	3.348	4.240	6.8	22.4
4 11	10 36.26	− 5 6.1	3.437	4.250	8.8	22.5

63088 2000 WM_{139} 3 3.6 297.°51 2.°8/29.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 18.90	+13 42.8	2.263	3.123	10.4	19.0
2 11	11 13.91	+14 25.2	2.183	3.111	7.4	18.8
2 21	11 7.24	+15 10.8	2.130	3.100	4.3	18.6
3 2	10 59.53	+15 54.0	2.105	3.088	2.8	18.5
3 12	10 51.59	+16 29.3	2.109	3.076	5.1	18.6
3 22	10 44.26	+16 52.7	2.142	3.065	8.4	18.8
4 1	10 38.31	+17 1.7	2.199	3.054	11.5	18.9
4 11	10 34.25	+16 55.6	2.278	3.042	14.1	19.1

93538 2000 UJ_{17} 3 3.6 68.°18 2.°3/ 1.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 20.86	+ 9 54.2	1.722	2.583	13.0	19.7
2 11	11 15.45	+10 53.2	1.673	2.602	9.1	19.5
2 21	11 8.09	+11 59.0	1.649	2.621	5.0	19.3
3 2	10 59.63	+13 4.1	1.653	2.640	2.3	19.2
3 12	10 51.17	+14 0.8	1.685	2.659	5.3	19.4
3 22	10 43.72	+14 43.4	1.744	2.678	9.2	19.7
4 1	10 38.10	+15 8.9	1.827	2.697	12.7	19.9
4 11	10 34.79	+15 16.6	1.931	2.716	15.6	20.2

292526 2006 TX_{37} 3 3.6 173.°76 0.°4/ 3.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 17.98	+ 6 18.0	2.882	3.719	9.1	22.1
2 11	11 12.88	+ 6 52.5	2.804	3.722	6.5	21.9
2 21	11 6.52	+ 7 33.5	2.754	3.724	3.5	21.7
3 2	10 59.42	+ 8 17.5	2.735	3.725	0.6	21.4
3 12	10 52.19	+ 9 0.4	2.746	3.726	2.9	21.6
3 22	10 45.46	+ 9 38.5	2.787	3.727	5.9	21.8
4 1	10 39.79	+10 8.9	2.856	3.727	8.6	22.0
4 11	10 35.57	+10 29.6	2.948	3.727	10.9	22.2

350261 2012 TB_{175} 3 3.6 28.°04 2.°6/ 1.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 24.12	+13 58.7	2.093	2.947	11.3	20.1
2 11	11 17.61	+14 12.1	2.024	2.949	8.1	19.8
2 21	11 9.25	+14 26.6	1.981	2.950	4.6	19.6
3 2	10 59.81	+14 37.7	1.967	2.952	2.6	19.5
3 12	10 50.26	+14 40.7	1.982	2.953	4.9	19.7
3 22	10 41.56	+14 33.0	2.026	2.955	8.4	19.9
4 1	10 34.49	+14 13.3	2.096	2.957	11.7	20.1
4 11	10 29.60	+13 41.7	2.187	2.959	14.4	20.3

104494 2000 GA_{31} 3 3.6 264.°90 0.°8/ 4.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 20.06	+ 1 20.4	1.912	2.748	13.1	20.8
2 11	11 15.09	+ 1 58.2	1.816	2.729	9.6	20.5
2 21	11 8.08	+ 2 51.8	1.745	2.710	5.6	20.2
3 2	10 59.68	+ 3 57.2	1.701	2.690	1.4	19.9
3 12	10 50.84	+ 5 7.8	1.685	2.670	3.6	20.0
3 22	10 42.59	+ 6 16.4	1.699	2.650	8.0	20.2
4 1	10 35.89	+ 7 16.2	1.738	2.629	12.2	20.4
4 11	10 31.42	+ 8 2.5	1.799	2.608	15.7	20.6

36304 2000 JY_{56} 3 3.6 231.°73 1.°1/ 4.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 20.34	+ 0 38.9	2.110	2.938	12.3	19.3
2 11	11 15.06	+ 1 11.0	2.019	2.927	9.1	19.1
2 21	11 7.95	+ 1 57.4	1.953	2.916	5.4	18.8
3 2	10 59.65	+ 2 54.4	1.916	2.905	1.6	18.5
3 12	10 51.03	+ 3 56.3	1.908	2.893	3.3	18.6
3 22	10 43.01	+ 4 57.0	1.929	2.880	7.2	18.9
4 1	10 36.42	+ 5 50.8	1.977	2.867	11.0	19.1
4 11	10 31.86	+ 6 33.4	2.048	2.854	14.2	19.2

463699 2014 PD_{30} 3 3.6 48.°41 6.°4/ 6.4 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 42.20	− 3 30.3	1.317	2.121	19.6	20.3
2 11	11 30.87	− 5 26.4	1.276	2.160	15.1	20.1
2 21	11 16.60	− 7 2.4	1.259	2.200	10.4	20.0
3 2	11 0.84	− 8 14.4	1.270	2.240	6.8	19.9
3 12	10 45.45	− 9 2.3	1.310	2.280	7.1	20.0
3 22	10 32.08	− 9 29.9	1.378	2.320	10.4	20.3
4 1	10 21.89	− 9 43.9	1.472	2.360	14.1	20.6
4 11	10 15.32	− 9 52.0	1.586	2.399	17.3	20.9

489711 2007 VU_{215} 3 3.6 67.°68 4.°1/ 8.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 18.32	− 8 5.5	2.226	3.017	13.0	21.1
2 11	11 13.45	− 8 7.8	2.147	3.022	10.3	20.9
2 21	11 6.97	− 7 52.1	2.092	3.027	7.3	20.7
3 2	10 59.50	− 7 19.8	2.063	3.033	4.7	20.6
3 12	10 51.85	− 6 34.5	2.063	3.038	4.4	20.6
3 22	10 44.83	− 5 41.3	2.091	3.043	6.7	20.7
4 1	10 39.17	− 4 46.0	2.146	3.049	9.6	20.9
4 11	10 35.37	− 3 54.4	2.225	3.054	12.4	21.1

70019 1998 YE_{12} 3 3.6 149.°20 4.°1/27.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 19.39	+17 56.8	2.435	3.296	9.7	18.6
2 11	11 14.09	+19 7.7	2.377	3.302	7.0	18.4
2 21	11 7.26	+20 18.2	2.346	3.308	4.7	18.3
3 2	10 59.53	+21 21.9	2.344	3.314	4.2	18.2
3 12	10 51.70	+22 13.2	2.372	3.319	6.1	18.4
3 22	10 44.54	+22 48.4	2.427	3.324	8.8	18.5
4 1	10 38.71	+23 5.9	2.508	3.328	11.3	18.7
4 11	10 34.69	+23 6.1	2.609	3.332	13.5	18.9

402907 2007 TF_{56} 3 3.6 113.°03 0.°9/ 2.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 24.36	+ 6 37.0	1.764	2.612	13.4	21.7
2 11	11 17.92	+ 7 18.3	1.708	2.629	9.5	21.5
2 21	11 9.46	+ 8 9.2	1.676	2.647	5.1	21.3
3 2	10 59.85	+ 9 3.5	1.674	2.664	1.0	21.0
3 12	10 50.20	+ 9 54.2	1.700	2.680	4.3	21.3
3 22	10 41.58	+10 35.6	1.754	2.696	8.6	21.6
4 1	10 34.85	+11 3.5	1.834	2.711	12.3	21.8
4 11	10 30.53	+11 16.5	1.935	2.726	15.4	22.1

134481 1998 VJ_{54} 3 3.6 118.°57 4.°7/28.8 18 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 27.32	+18 41.3	1.893	2.750	12.2	19.5
2 11	11 19.95	+19 24.0	1.842	2.765	8.8	19.3
2 21	11 10.53	+20 4.0	1.816	2.779	5.7	19.2
3 2	11 0.00	+20 34.4	1.819	2.793	4.7	19.1
3 12	10 49.49	+20 49.4	1.852	2.806	6.9	19.3
3 22	10 40.10	+20 46.5	1.911	2.819	10.2	19.5
4 1	10 32.67	+20 25.6	1.995	2.831	13.2	19.7
4 11	10 27.71	+19 48.8	2.099	2.843	15.8	19.9

310328 2011 UA_{178} 3 3.6 78.°74 1.°4/ 2.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 23.14	+ 7 0.9	1.462	2.322	15.0	20.7
2 11	11 17.35	+ 7 52.6	1.411	2.339	10.6	20.5
2 21	11 9.25	+ 8 55.5	1.385	2.357	5.7	20.2
3 2	10 59.83	+10 1.7	1.384	2.374	1.4	20.0
3 12	10 50.39	+11 2.2	1.412	2.392	5.1	20.3
3 22	10 42.15	+11 50.0	1.466	2.409	9.8	20.6
4 1	10 36.08	+12 20.5	1.543	2.427	13.9	20.9
4 11	10 32.70	+12 32.6	1.640	2.444	17.2	21.1

109663 2001 RO_{18} 3 3.6 159.°84 0.°0/ 3.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 18.60	+ 4 18.0	2.895	3.725	9.3	21.1
2 11	11 13.29	+ 4 49.9	2.819	3.732	6.6	20.9
2 21	11 6.75	+ 5 29.3	2.771	3.738	3.7	20.7
3 2	10 59.47	+ 6 13.1	2.753	3.743	0.6	20.5
3 12	10 52.09	+ 6 57.1	2.766	3.749	2.6	20.7
3 22	10 45.21	+ 7 37.7	2.809	3.753	5.6	20.9
4 1	10 39.40	+ 8 11.6	2.881	3.757	8.4	21.1
4 11	10 35.06	+ 8 36.6	2.977	3.761	10.7	21.2

280879 2005 WB_4 3 3.6 113.°40 2.°6/ 6.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 19.45	− 4 36.9	2.035	2.846	13.4	20.7
2 11	11 14.30	− 4 2.5	1.966	2.859	10.1	20.5
2 21	11 7.44	− 3 9.8	1.920	2.872	6.5	20.3
3 2	10 59.57	− 2 2.4	1.903	2.885	3.2	20.1
3 12	10 51.59	− 0 46.4	1.914	2.897	3.5	20.2
3 22	10 44.36	+ 0 31.2	1.954	2.909	6.8	20.4
4 1	10 38.64	+ 1 43.8	2.022	2.921	10.3	20.6
4 11	10 34.92	+ 2 46.0	2.113	2.932	13.3	20.8

280833 2005 UG_{116} 3 3.6 186.°72 2.°4/ 5.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 23.90	− 2 50.8	1.878	2.693	14.1	21.6
2 11	11 17.73	− 2 25.5	1.796	2.693	10.7	21.4
2 21	11 9.48	− 1 41.9	1.737	2.693	6.7	21.2
3 2	10 59.88	− 0 43.1	1.706	2.691	3.0	20.9
3 12	10 49.99	+ 0 24.7	1.705	2.689	3.8	21.0
3 22	10 40.87	+ 1 34.4	1.732	2.685	7.8	21.2
4 1	10 33.47	+ 2 38.8	1.786	2.681	11.7	21.4
4 11	10 28.42	+ 3 32.5	1.863	2.676	15.1	21.6

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
497912	2006 VS_{45}		3 3.6	147.°33	6.°7/14.4	18
2 1	11 19.73	−24 48.2	3.462	4.107	11.3	22.3
2 11	11 14.06	−25 15.7	3.376	4.120	10.0	22.2
2 21	11 7.17	−25 24.9	3.312	4.131	8.6	22.1
3 2	10 59.54	−25 14.8	3.272	4.142	7.4	22.0
3 12	10 51.76	−24 46.3	3.259	4.152	6.8	22.0
3 22	10 44.42	−24 2.0	3.273	4.162	7.0	22.0
4 1	10 38.06	−23 5.9	3.315	4.171	7.9	22.1
4 11	10 33.09	−22 3.1	3.382	4.180	9.2	22.2
432059	2008 YA_{23}		3 3.7	107.°14	1.°5/ 1.9	18
2 1	11 19.23	+ 9 11.5	2.369	3.219	10.4	21.5
2 11	11 13.92	+10 1.0	2.310	3.234	7.3	21.3
2 21	11 7.15	+10 56.0	2.278	3.249	3.9	21.1
3 2	10 59.54	+11 51.5	2.275	3.264	1.5	21.0
3 12	10 51.88	+12 42.0	2.303	3.278	4.0	21.2
3 22	10 44.91	+13 23.3	2.359	3.292	7.2	21.4
4 1	10 39.27	+13 52.4	2.442	3.306	10.1	21.6
4 11	10 35.39	+14 8.1	2.547	3.319	12.6	21.8
384518	2010 CG_{218}		3 3.7	110.°46	7.°2/11.7	17
2 1	11 19.09	−17 52.3	2.338	3.066	14.2	21.1
2 11	11 14.06	−18 22.7	2.253	3.068	12.1	20.9
2 21	11 7.36	−18 30.9	2.188	3.071	9.9	20.8
3 2	10 59.59	−18 15.8	2.149	3.073	8.0	20.7
3 12	10 51.57	−17 39.1	2.135	3.075	7.2	20.6
3 22	10 44.14	−16 44.8	2.149	3.077	8.1	20.7
4 1	10 38.04	−15 39.3	2.189	3.079	10.0	20.8
4 11	10 33.85	−14 29.7	2.253	3.081	12.3	20.9
245488	2005 QL_{11}		3 3.7	214.°33	1.°2/ 2.1	17
2 1	11 16.76	+ 7 39.7	2.490	3.338	10.0	20.8
2 11	11 12.23	+ 8 38.1	2.412	3.336	7.0	20.6
2 21	11 6.27	+ 9 44.2	2.362	3.333	3.8	20.4
3 2	10 59.43	+10 53.0	2.341	3.330	1.2	20.2
3 12	10 52.43	+11 58.8	2.350	3.327	3.7	20.4
3 22	10 45.96	+12 56.5	2.388	3.324	7.0	20.6
4 1	10 40.67	+13 42.3	2.453	3.320	10.0	20.8
4 11	10 37.02	+14 14.2	2.541	3.317	12.6	21.0
58439	1996 GF_{20}		3 3.7	0.°21	2.°2/ 5.3	18
2 1	11 18.46	− 0 45.1	1.151	2.010	18.2	18.7
2 11	11 14.69	− 0 24.1	1.086	2.008	13.6	18.4
2 21	11 8.12	+ 0 21.4	1.041	2.007	8.3	18.1
3 2	10 59.72	+ 1 26.6	1.018	2.007	3.0	17.8
3 12	10 50.98	+ 2 41.8	1.020	2.007	4.7	17.9
3 22	10 43.39	+ 3 55.9	1.046	2.009	10.3	18.2
4 1	10 38.22	+ 4 58.6	1.094	2.011	15.4	18.5
4 11	10 36.20	+ 5 43.3	1.161	2.014	19.8	18.7
24499	2001 AL_{30}		3 3.7	177.°67	2.°1/ 1.3	18
2 1	11 21.34	+11 39.3	2.404	3.255	10.2	19.1
2 11	11 15.50	+12 24.8	2.333	3.257	7.2	18.9
2 21	11 8.07	+13 14.4	2.288	3.258	4.0	18.7
3 2	10 59.69	+14 2.9	2.273	3.259	2.1	18.6
3 12	10 51.17	+14 45.0	2.289	3.259	4.5	18.8
3 22	10 43.31	+15 16.6	2.333	3.259	7.7	19.0
4 1	10 36.79	+15 35.3	2.404	3.258	10.6	19.1
4 11	10 32.12	+15 40.1	2.497	3.257	13.2	19.3
417243	2005 YY_{156}		3 3.7	46.°76	4.°5/28.5	18
2 1	11 19.60	+14 22.5	1.515	2.391	13.6	20.4
2 11	11 14.80	+15 50.7	1.474	2.408	9.6	20.2
2 21	11 7.84	+17 21.6	1.456	2.426	5.9	20.0
3 2	10 59.66	+18 45.2	1.466	2.445	4.7	20.0
3 12	10 51.48	+19 52.0	1.503	2.464	7.5	20.2
3 22	10 44.42	+20 36.2	1.564	2.483	11.2	20.4
4 1	10 39.39	+20 56.1	1.649	2.502	14.7	20.7
4 11	10 36.86	+20 52.8	1.752	2.522	17.5	20.9
246709	2009 BR_6		3 3.7	110.°52	6.°0/ 8.4	18
2 1	11 24.13	− 9 38.8	1.611	2.405	17.0	20.6
2 11	11 18.12	−10 2.7	1.541	2.415	13.7	20.4
2 21	11 9.77	−10 2.1	1.493	2.425	10.0	20.2
3 2	10 59.96	− 9 37.3	1.470	2.435	6.8	20.1
3 12	10 49.92	− 8 52.2	1.473	2.445	6.3	20.1
3 22	10 40.86	− 7 53.8	1.503	2.454	8.9	20.2
4 1	10 33.83	− 6 50.8	1.558	2.464	12.4	20.5
4 11	10 29.46	− 5 51.5	1.635	2.472	15.7	20.7
17373	1981 EQ_3		3 3.7	214.°02	2.°7/ 6.9	18
2 1	11 19.31	− 5 1.4	2.967	3.757	10.1	19.6
2 11	11 13.88	− 5 4.2	2.871	3.750	7.8	19.4
2 21	11 7.15	− 4 55.2	2.800	3.742	5.3	19.2
3 2	10 59.58	− 4 35.5	2.759	3.734	3.2	19.1
3 12	10 51.80	− 4 7.5	2.748	3.725	3.2	19.1
3 22	10 44.45	− 3 34.7	2.767	3.717	5.4	19.2
4 1	10 38.10	− 3 0.7	2.815	3.707	8.0	19.4
4 11	10 33.21	− 2 29.3	2.888	3.698	10.4	19.5

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
520107	2014 AK_{22}		3 3.7	215.°57	4.°4/26.6	17
2 1	11 18.55	+19 44.7	2.608	3.468	9.1	21.6
2 11	11 13.53	+21 4.8	2.539	3.462	6.7	21.4
2 21	11 7.01	+22 24.2	2.498	3.456	4.8	21.3
3 2	10 59.56	+23 36.5	2.487	3.449	4.7	21.3
3 12	10 51.92	+24 35.7	2.505	3.441	6.5	21.4
3 22	10 44.83	+25 18.2	2.551	3.434	9.0	21.5
4 1	10 38.97	+25 42.1	2.622	3.426	11.4	21.7
4 11	10 34.82	+25 47.8	2.712	3.417	13.4	21.8
467869	2011 BL_{86}		3 3.7	302.°63	2.°3/ 1.5	17
2 1	11 18.71	+ 9 9.3	1.681	2.546	13.1	21.1
2 11	11 14.31	+10 12.5	1.600	2.531	9.3	20.9
2 21	11 7.72	+11 26.5	1.544	2.517	5.1	20.6
3 2	10 59.69	+12 43.9	1.514	2.502	2.3	20.4
3 12	10 51.29	+13 55.6	1.513	2.488	5.6	20.5
3 22	10 43.63	+14 54.0	1.538	2.474	10.0	20.7
4 1	10 37.73	+15 33.9	1.587	2.461	14.1	21.0
4 11	10 34.28	+15 53.0	1.655	2.448	17.5	21.2
241294	2007 UH_{51}		3 3.7	82.°87	4.°8/ 9.6	17
2 1	11 16.56	−12 18.9	2.291	3.060	13.4	20.6
2 11	11 12.19	−11 59.8	2.211	3.067	10.8	20.4
2 21	11 6.29	−11 19.1	2.153	3.074	8.0	20.3
3 2	10 59.46	−10 18.5	2.121	3.080	5.6	20.1
3 12	10 52.48	− 9 2.2	2.118	3.087	4.9	20.1
3 22	10 46.11	− 7 36.4	2.143	3.094	6.6	20.2
4 1	10 41.03	− 6 8.1	2.195	3.100	9.3	20.4
4 11	10 37.72	− 4 44.3	2.273	3.107	12.0	20.6
429063	2009 FK_4		3 3.7	14.°90	3.°2/28.8	17
2 1	11 16.97	+13 33.1	2.211	3.075	10.4	20.7
2 11	11 12.54	+14 50.1	2.146	3.076	7.4	20.5
2 21	11 6.51	+16 11.2	2.107	3.076	4.4	20.3
3 2	10 59.50	+17 29.3	2.097	3.077	3.3	20.3
3 12	10 52.34	+18 37.7	2.116	3.078	5.6	20.4
3 22	10 45.82	+19 31.2	2.164	3.079	8.8	20.6
4 1	10 40.67	+20 6.9	2.236	3.080	11.7	20.8
4 11	10 37.37	+20 24.0	2.328	3.081	14.2	21.0
187754	1995 YV_7		3 3.7	87.°42	1.°3/ 2.4	18
2 1	11 20.97	+ 7 31.2	1.974	2.824	12.1	20.6
2 11	11 15.35	+ 8 25.1	1.922	2.846	8.5	20.4
2 21	11 8.01	+ 9 26.9	1.897	2.868	4.6	20.2
3 2	10 59.71	+10 30.5	1.900	2.890	1.3	20.0
3 12	10 51.42	+11 29.1	1.933	2.911	4.2	20.2
3 22	10 44.00	+12 17.3	1.994	2.932	8.0	20.5
4 1	10 38.21	+12 51.6	2.081	2.953	11.3	20.7
4 11	10 34.49	+13 10.5	2.189	2.973	14.0	21.0
354034	2001 RC_{110}		3 3.7	91.°32	0.°5/ 3.2	18
2 1	11 23.32	+ 3 28.4	1.476	2.327	15.4	21.3
2 11	11 17.44	+ 4 41.7	1.429	2.351	11.0	21.1
2 21	11 9.30	+ 6 10.5	1.405	2.375	6.0	20.9
3 2	10 59.90	+ 7 46.1	1.408	2.399	0.8	20.6
3 12	10 50.53	+ 9 17.8	1.439	2.422	4.6	20.9
3 22	10 42.36	+10 36.9	1.498	2.444	9.4	21.2
4 1	10 36.33	+11 37.2	1.581	2.466	13.5	21.5
4 11	10 32.94	+12 16.5	1.685	2.487	16.9	21.8
129543	1996 RU_5		3 3.7	181.°87	0.°8/ 2.9	18
2 1	11 23.18	+ 6 17.6	2.028	2.871	12.1	21.4
2 11	11 17.08	+ 7 5.0	1.952	2.872	8.7	21.1
2 21	11 9.08	+ 8 2.4	1.903	2.873	4.7	20.9
3 2	10 59.89	+ 9 4.1	1.882	2.873	0.9	20.6
3 12	10 50.50	+10 3.6	1.892	2.872	4.0	20.8
3 22	10 41.85	+10 54.8	1.930	2.870	8.1	21.1
4 1	10 34.81	+11 33.6	1.995	2.867	11.7	21.3
4 11	10 29.93	+11 57.4	2.081	2.864	14.7	21.5
173913	2001 VA_{42}		3 3.7	122.°31	4.°2/27.8	17
2 1	11 20.00	+19 12.2	2.451	3.311	9.7	20.4
2 11	11 14.52	+20 7.5	2.394	3.318	7.0	20.2
2 21	11 7.53	+21 1.0	2.364	3.325	4.8	20.1
3 2	10 59.66	+21 47.0	2.363	3.331	4.3	20.1
3 12	10 51.72	+22 20.4	2.391	3.338	6.1	20.2
3 22	10 44.48	+22 38.3	2.447	3.344	8.7	20.4
4 1	10 38.60	+22 39.7	2.528	3.350	11.2	20.5
4 11	10 34.54	+22 25.2	2.629	3.356	13.3	20.7
48284	2002 GD_{60}		3 3.7	358.°93	0.°6/ 3.1	18 R
2 1	11 19.94	+ 6 7.4	1.898	2.749	12.5	19.8
2 11	11 14.86	+ 6 43.5	1.826	2.749	8.9	19.6
2 21	11 7.88	+ 7 29.7	1.778	2.749	4.9	19.4
3 2	10 59.73	+ 8 20.9	1.758	2.749	0.8	19.1
3 12	10 51.39	+ 9 10.5	1.767	2.749	4.0	19.3
3 22	10 43.81	+ 9 52.9	1.804	2.749	8.1	19.5
4 1	10 37.83	+10 23.7	1.865	2.749	11.8	19.8
4 11	10 34.04	+10 40.3	1.949	2.749	15.0	20.0

436353 2010 JC_{112} 3 3.7 304.°71 0.°1/ 3.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 18.40	+ 4 56.9	1.998	2.846	12.1	21.1
2 11	11 13.82	+ 5 26.6	1.906	2.827	8.7	20.9
2 21	11 7.37	+ 6 7.6	1.839	2.809	4.9	20.6
3 2	10 59.67	+ 6 55.5	1.799	2.790	0.7	20.2
3 12	10 51.62	+ 7 44.4	1.788	2.772	3.7	20.4
3 22	10 44.15	+ 8 28.7	1.805	2.754	7.9	20.6
4 1	10 38.13	+ 9 3.2	1.848	2.736	11.7	20.8
4 11	10 34.20	+ 9 24.8	1.912	2.718	15.0	21.0

264511 2001 QU_{217} 3 3.7 142.°41 0.°4/ 3.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 22.24	+ 5 32.0	2.091	2.932	11.9	21.3
2 11	11 16.28	+ 6 7.9	2.024	2.942	8.5	21.1
2 21	11 8.57	+ 6 53.0	1.982	2.951	4.7	20.8
3 2	10 59.83	+ 7 42.7	1.969	2.960	0.7	20.5
3 12	10 50.97	+ 8 31.1	1.986	2.968	3.6	20.8
3 22	10 42.88	+ 9 13.1	2.032	2.976	7.5	21.0
4 1	10 36.34	+ 9 44.7	2.105	2.983	10.9	21.3
4 11	10 31.86	+10 3.6	2.200	2.990	13.8	21.5

419156 2009 SM_{337} 3 3.7 121.°15 2.°9/29.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 22.47	+13 24.4	2.222	3.077	10.8	22.0
2 11	11 16.31	+14 20.0	2.169	3.094	7.6	21.8
2 21	11 8.52	+15 18.0	2.142	3.111	4.4	21.6
3 2	10 59.81	+16 12.3	2.145	3.128	2.9	21.5
3 12	10 51.08	+16 57.2	2.178	3.144	5.2	21.7
3 22	10 43.17	+17 28.7	2.240	3.159	8.3	21.9
4 1	10 36.78	+17 44.8	2.327	3.174	11.2	22.1
4 11	10 32.37	+17 45.6	2.436	3.188	13.6	22.3

455862 2005 UL_{46} 3 3.7 94.°47 7.°6/25.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 25.98	+26 51.5	1.872	2.731	12.3	20.5
2 11	11 19.11	+28 2.1	1.834	2.747	9.6	20.3
2 21	11 10.15	+29 2.6	1.822	2.762	7.8	20.3
3 2	11 0.04	+29 44.5	1.836	2.777	7.9	20.3
3 12	10 50.02	+30 2.2	1.877	2.792	9.7	20.4
3 22	10 41.17	+29 54.2	1.943	2.807	12.2	20.6
4 1	10 34.38	+29 22.3	2.031	2.821	14.7	20.8
4 11	10 30.12	+28 30.5	2.138	2.836	16.8	21.0

456697 2007 RO_{219} 3 3.7 153.°44 2.°8/29.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 23.86	+12 12.8	2.112	2.964	11.3	22.2
2 11	11 17.44	+13 20.5	2.050	2.975	8.0	22.0
2 21	11 9.21	+14 32.6	2.016	2.985	4.6	21.8
3 2	10 59.92	+15 42.1	2.011	2.994	2.9	21.7
3 12	10 50.53	+16 42.1	2.037	3.003	5.4	21.9
3 22	10 41.95	+17 27.8	2.091	3.011	8.8	22.1
4 1	10 34.99	+17 56.3	2.171	3.017	11.9	22.3
4 11	10 30.15	+18 7.3	2.272	3.023	14.5	22.5

94946 2001 YY_{83} 3 3.7 134.°41 3.°6/29.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 24.36	+13 7.4	1.685	2.548	13.2	20.4
2 11	11 18.13	+14 18.3	1.630	2.559	9.3	20.2
2 21	11 9.71	+15 33.6	1.599	2.569	5.4	20.0
3 2	11 0.00	+16 44.7	1.597	2.579	3.7	19.9
3 12	10 50.19	+17 43.0	1.623	2.589	6.5	20.1
3 22	10 41.43	+18 22.9	1.676	2.598	10.4	20.4
4 1	10 34.67	+18 41.9	1.753	2.606	14.0	20.6
4 11	10 30.46	+18 40.6	1.849	2.614	16.9	20.8

279570 2011 DN_8 3 3.7 93.°04 1.°3/ 2.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 21.92	+ 8 40.0	1.918	2.771	12.3	20.8
2 11	11 16.19	+ 9 10.0	1.853	2.778	8.7	20.6
2 21	11 8.57	+ 9 46.9	1.813	2.784	4.7	20.3
3 2	10 59.84	+10 25.7	1.801	2.791	1.3	20.1
3 12	10 50.98	+11 0.2	1.819	2.798	4.3	20.3
3 22	10 42.98	+11 26.0	1.864	2.804	8.3	20.6
4 1	10 36.64	+11 39.6	1.935	2.811	11.8	20.8
4 11	10 32.52	+11 39.9	2.027	2.818	14.8	21.0

521043 2015 DU_{235} 3 3.7 92.°99 1.°7/ 1.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 19.65	+ 9 26.7	2.091	2.946	11.3	21.7
2 11	11 14.47	+10 10.4	2.025	2.951	8.0	21.5
2 21	11 7.59	+11 0.5	1.984	2.956	4.3	21.3
3 2	10 59.69	+11 51.4	1.972	2.961	1.7	21.1
3 12	10 51.67	+12 37.4	1.990	2.966	4.4	21.3
3 22	10 44.39	+13 13.4	2.035	2.971	8.0	21.6
4 1	10 38.59	+13 36.3	2.106	2.976	11.3	21.8
4 11	10 34.78	+13 44.8	2.199	2.981	14.1	22.0

360774 2005 CJ_{79} 3 3.7 292.°09 1.°5/ 2.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 19.47	+ 6 16.2	1.508	2.371	14.5	20.7
2 11	11 15.02	+ 7 23.8	1.433	2.362	10.3	20.4
2 21	11 8.19	+ 8 46.6	1.381	2.354	5.6	20.1
3 2	10 59.81	+10 16.6	1.356	2.345	1.5	19.8
3 12	10 51.05	+11 43.4	1.358	2.337	5.3	20.0
3 22	10 43.17	+12 57.8	1.386	2.329	10.2	20.3
4 1	10 37.24	+13 52.9	1.437	2.321	14.7	20.5
4 11	10 33.98	+14 25.6	1.508	2.313	18.4	20.8

286288 2001 VV_{125} 3 3.7 226.°19 3.°6/ 7.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 17.39	− 7 54.3	2.453	3.241	12.0	20.7
2 11	11 12.76	− 7 44.1	2.363	3.238	9.5	20.5
2 21	11 6.63	− 7 16.9	2.298	3.234	6.7	20.4
3 2	10 59.57	− 6 34.3	2.260	3.230	4.2	20.2
3 12	10 52.29	− 5 39.8	2.250	3.227	3.9	20.2
3 22	10 45.53	− 4 38.4	2.270	3.223	6.2	20.3
4 1	10 39.96	− 3 35.8	2.317	3.219	9.1	20.5
4 11	10 36.08	− 2 37.2	2.389	3.214	11.8	20.6

95787 2003 FJ_{12} 3 3.7 297.°85 6.°8/25.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 19.45	+20 28.8	1.666	2.542	12.6	19.0
2 11	11 14.98	+22 17.5	1.597	2.526	9.5	18.8
2 21	11 8.17	+24 6.9	1.553	2.511	7.1	18.6
3 2	10 59.82	+25 45.4	1.537	2.496	7.3	18.6
3 12	10 51.07	+27 2.6	1.546	2.481	9.9	18.7
3 22	10 43.16	+27 51.7	1.580	2.466	13.3	18.8
4 1	10 37.16	+28 10.8	1.636	2.451	16.6	19.0
4 11	10 33.77	+28 1.6	1.708	2.437	19.4	19.2

462281 2008 FR_9 3 3.7 35.°61 1.°3/ 2.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 27.57	+ 9 50.8	1.367	2.229	15.7	21.3
2 11	11 20.75	+ 9 41.8	1.310	2.238	11.2	21.0
2 21	11 11.28	+ 9 38.8	1.276	2.248	6.1	20.8
3 2	11 0.25	+ 9 36.7	1.268	2.258	1.4	20.5
3 12	10 49.17	+ 9 30.2	1.287	2.269	5.1	20.8
3 22	10 39.45	+ 9 15.5	1.333	2.281	10.1	21.1
4 1	10 32.20	+ 8 50.5	1.402	2.293	14.5	21.4
4 11	10 27.99	+ 8 14.9	1.490	2.305	18.1	21.6

464145 2014 XF_{19} 3 3.7 173.°67 1.°6/ 5.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 22.92	+ 0 0.2	2.211	3.030	12.1	21.4
2 11	11 16.77	+ 0 14.8	2.131	3.034	9.0	21.2
2 21	11 8.88	+ 0 42.1	2.077	3.036	5.5	20.9
3 2	10 59.91	+ 1 19.2	2.051	3.038	2.0	20.7
3 12	10 50.74	+ 2 1.5	2.056	3.040	3.1	20.8
3 22	10 42.25	+ 2 43.9	2.090	3.040	6.8	21.0
4 1	10 35.22	+ 3 21.8	2.151	3.040	10.2	21.2
4 11	10 30.19	+ 3 51.4	2.236	3.040	13.2	21.4

412114 2013 GL_{19} 3 3.7 294.°18 2.°4/ 1.6 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 19.23	+ 7 31.8	1.424	2.292	14.8	21.2
2 11	11 15.11	+ 8 51.0	1.339	2.272	10.6	20.9
2 21	11 8.40	+10 27.2	1.277	2.251	5.8	20.6
3 2	10 59.87	+12 11.4	1.241	2.230	2.4	20.3
3 12	10 50.76	+13 51.6	1.232	2.209	6.3	20.5
3 22	10 42.43	+15 16.6	1.249	2.188	11.5	20.7
4 1	10 36.14	+16 18.7	1.288	2.168	16.3	20.9
4 11	10 32.74	+16 54.4	1.345	2.148	20.3	21.1

208435 2001 TV_{90} 3 3.7 161.°25 0.°7/ 2.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 20.80	+ 7 48.0	2.509	3.350	10.1	20.5
2 11	11 15.07	+ 8 7.6	2.434	3.353	7.2	20.3
2 21	11 7.85	+ 8 33.0	2.387	3.356	3.9	20.1
3 2	10 59.76	+ 9 0.5	2.369	3.359	0.8	19.8
3 12	10 51.54	+ 9 26.0	2.381	3.361	3.3	20.0
3 22	10 43.93	+ 9 46.1	2.423	3.363	6.6	20.3
4 1	10 37.60	+ 9 58.0	2.492	3.365	9.6	20.4
4 11	10 33.00	+10 0.1	2.584	3.367	12.2	20.6

412135 2013 GW_{50} 3 3.7 192.°50 2.°2/ 1.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 23.55	+10 33.5	1.992	2.844	11.9	22.1
2 11	11 17.42	+11 25.6	1.918	2.842	8.5	21.9
2 21	11 9.31	+12 24.2	1.870	2.840	4.7	21.6
3 2	10 59.98	+13 22.8	1.850	2.837	2.3	21.5
3 12	10 50.42	+14 14.7	1.861	2.834	5.0	21.6
3 22	10 41.64	+14 54.3	1.900	2.830	8.9	21.9
4 1	10 34.51	+15 18.3	1.964	2.825	12.4	22.1
4 11	10 29.62	+15 25.8	2.050	2.819	15.4	22.3

284625 2007 VS_{106} 3 3.7 233.°04 0.°6/ 3.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 19.07	+ 6 29.4	2.350	3.194	10.6	21.4
2 11	11 13.98	+ 7 2.4	2.269	3.189	7.6	21.2
2 21	11 7.33	+ 7 43.6	2.213	3.183	4.2	21.0
3 2	10 59.70	+ 8 28.6	2.187	3.178	0.7	20.7
3 12	10 51.86	+ 9 12.4	2.191	3.172	3.4	20.9
3 22	10 44.61	+ 9 50.5	2.223	3.166	7.0	21.2
4 1	10 38.64	+10 19.2	2.283	3.160	10.2	21.3
4 11	10 34.47	+10 36.2	2.365	3.154	13.0	21.5

490102 2008 UW_{30} 3 3.7 248.°05 4.°8/28.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 26.15	+16 6.6	1.674	2.537	13.2	22.2
2 11	11 19.83	+17 14.5	1.591	2.519	9.6	21.9
2 21	11 10.92	+18 26.2	1.534	2.500	6.1	21.7
3 2	11 0.25	+19 32.3	1.504	2.481	5.0	21.6
3 12	10 49.08	+20 23.5	1.502	2.461	7.8	21.7
3 22	10 38.74	+20 53.5	1.527	2.440	11.9	21.9
4 1	10 30.45	+20 59.5	1.575	2.418	15.8	22.1
4 11	10 24.97	+20 42.6	1.641	2.396	19.1	22.2

259187 2003 AZ_{27} 3 3.7 113.°61 4.°7/27.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 22.41	+17 15.0	2.042	2.904	11.3	20.5
2 11	11 16.43	+18 48.7	1.998	2.925	8.1	20.3
2 21	11 8.65	+20 21.9	1.982	2.945	5.4	20.2
3 2	10 59.88	+21 46.2	1.995	2.964	4.9	20.2
3 12	10 51.08	+22 54.1	2.037	2.983	7.1	20.3
3 22	10 43.19	+23 41.4	2.107	3.002	10.0	20.6
4 1	10 36.97	+24 6.7	2.200	3.020	12.7	20.8
4 11	10 32.89	+24 11.4	2.314	3.037	15.0	21.0

282144 2001 QH_{330} 3 3.7 180.°18 3.°2/29.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 25.95	+12 59.0	1.896	2.750	12.3	21.6
2 11	11 19.20	+13 55.8	1.827	2.752	8.8	21.4
2 21	11 10.32	+14 56.9	1.785	2.754	5.1	21.2
3 2	11 0.15	+15 55.0	1.771	2.754	3.2	21.1
3 12	10 49.77	+16 42.8	1.786	2.754	5.9	21.2
3 22	10 40.29	+17 15.2	1.830	2.752	9.7	21.4
4 1	10 32.64	+17 29.7	1.899	2.750	13.2	21.7
4 11	10 27.41	+17 26.3	1.988	2.747	16.1	21.9

192828 1999 VJ_{99} 3 3.7 197.°39 3.°4/28.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 21.90	+16 7.2	2.393	3.249	10.0	21.2
2 11	11 15.99	+16 58.4	2.322	3.246	7.2	21.0
2 21	11 8.44	+17 50.5	2.277	3.243	4.5	20.8
3 2	10 59.88	+18 37.7	2.262	3.239	3.5	20.8
3 12	10 51.16	+19 14.8	2.277	3.235	5.6	20.9
3 22	10 43.10	+19 37.9	2.320	3.230	8.5	21.1
4 1	10 36.44	+19 45.4	2.389	3.225	11.3	21.2
4 11	10 31.67	+19 37.2	2.479	3.220	13.7	21.4

10766 1990 UB_1 3 3.7 92.°22 5.°3/27.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 23.20	+23 14.9	2.335	3.191	10.2	17.0
2 11	11 16.81	+24 3.3	2.289	3.206	7.7	16.9
2 21	11 8.81	+24 46.0	2.270	3.221	5.7	16.8
3 2	10 59.92	+25 17.1	2.279	3.236	5.5	16.8
3 12	10 51.07	+25 32.1	2.317	3.250	7.1	16.9
3 22	10 43.08	+25 29.1	2.383	3.265	9.5	17.1
4 1	10 36.67	+25 8.5	2.472	3.279	11.9	17.3
4 11	10 32.25	+24 32.1	2.582	3.293	13.9	17.4

304892 2007 RR_{200} 3 3.7 281.°85 1.°0/ 4.4 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 22.52	+ 2 10.1	1.515	2.361	15.3	20.7
2 11	11 17.40	+ 2 29.6	1.422	2.340	11.4	20.4
2 21	11 9.68	+ 3 6.2	1.352	2.319	6.7	20.1
3 2	11 0.12	+ 3 56.0	1.308	2.298	1.7	19.7
3 12	10 49.92	+ 4 51.7	1.292	2.277	4.3	19.8
3 22	10 40.46	+ 5 45.4	1.301	2.255	9.6	20.1
4 1	10 32.97	+ 6 29.7	1.335	2.234	14.5	20.3
4 11	10 28.34	+ 6 59.3	1.388	2.212	18.7	20.5

430318 2013 YT_{11} 3 3.7 51.°17 7.°9/23.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 20.05	+28 40.7	2.055	2.917	11.2	20.4
2 11	11 14.94	+30 19.4	2.016	2.924	9.1	20.3
2 21	11 7.93	+31 48.2	2.002	2.932	8.0	20.2
3 2	10 59.81	+32 58.4	2.015	2.939	8.4	20.2
3 12	10 51.60	+33 43.8	2.054	2.947	10.2	20.4
3 22	10 44.30	+34 2.0	2.117	2.954	12.4	20.5
4 1	10 38.71	+33 53.9	2.201	2.962	14.6	20.7
4 11	10 35.35	+33 22.8	2.302	2.970	16.4	20.9

285195 1996 VB_{23} 3 3.7 110.°81 2.°7/ 6.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 16.60	− 5 14.9	2.285	3.091	12.2	20.8
2 11	11 12.27	− 4 42.3	2.202	3.092	9.4	20.6
2 21	11 6.41	− 3 52.4	2.143	3.092	6.2	20.4
3 2	10 59.60	− 2 48.0	2.112	3.093	3.2	20.2
3 12	10 52.60	− 1 34.4	2.111	3.093	3.3	20.2
3 22	10 46.18	− 0 17.5	2.138	3.094	6.3	20.4
4 1	10 41.03	+ 0 56.2	2.193	3.094	9.5	20.6
4 11	10 37.63	+ 2 1.5	2.272	3.095	12.4	20.8

136657 1995 OX_4 3 3.7 177.°09 0.°3/ 3.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 18.73	+ 5 33.3	2.592	3.430	10.0	21.2
2 11	11 13.60	+ 6 5.6	2.514	3.431	7.1	21.0
2 21	11 7.07	+ 6 45.8	2.463	3.432	3.9	20.8
3 2	10 59.69	+ 7 29.9	2.442	3.433	0.6	20.5
3 12	10 52.17	+ 8 13.5	2.451	3.433	3.0	20.7
3 22	10 45.20	+ 8 52.5	2.490	3.433	6.3	20.9
4 1	10 39.40	+ 9 23.5	2.556	3.433	9.3	21.1
4 11	10 35.22	+ 9 44.1	2.645	3.432	11.8	21.3

456754 2007 TQ_{80} 3 3.7 156.°42 1.°9/ 1.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 24.28	+ 9 37.9	1.995	2.844	12.0	22.4
2 11	11 17.85	+10 28.6	1.929	2.853	8.5	22.2
2 21	11 9.52	+11 26.1	1.890	2.861	4.7	22.0
3 2	11 0.06	+12 23.9	1.880	2.868	1.9	21.8
3 12	10 50.46	+13 15.4	1.899	2.874	4.7	22.0
3 22	10 41.71	+13 55.4	1.948	2.880	8.5	22.2
4 1	10 34.65	+14 20.7	2.022	2.885	12.0	22.5
4 11	10 29.82	+14 30.2	2.117	2.889	14.9	22.7

185997 2001 PE_{35} 3 3.7 232.°08 3.°5/ 7.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 19.43	− 7 27.6	2.119	2.914	13.4	20.7
2 11	11 14.51	− 6 56.6	2.022	2.903	10.5	20.5
2 21	11 7.77	− 6 4.5	1.949	2.891	7.2	20.3
3 2	10 59.82	− 4 53.6	1.903	2.879	4.2	20.1
3 12	10 51.54	− 3 29.0	1.886	2.866	4.0	20.0
3 22	10 43.81	− 1 57.7	1.898	2.853	7.0	20.2
4 1	10 37.49	− 0 27.7	1.938	2.839	10.6	20.4
4 11	10 33.17	+ 0 54.1	2.001	2.824	13.8	20.6

149769 2004 QM_9 3 3.7 114.°39 2.°5/29.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 17.68	+13 46.3	2.680	3.536	9.1	20.0
2 11	11 12.80	+14 35.6	2.616	3.542	6.4	19.8
2 21	11 6.60	+15 27.0	2.580	3.548	3.7	19.7
3 2	10 59.63	+16 15.8	2.573	3.554	2.6	19.6
3 12	10 52.57	+16 57.2	2.596	3.560	4.5	19.7
3 22	10 46.08	+17 27.8	2.648	3.566	7.2	19.9
4 1	10 40.75	+17 45.6	2.726	3.572	9.8	20.1
4 11	10 36.98	+17 50.0	2.826	3.578	12.0	20.2

31384 1998 XE_{96} 3 3.7 133.°23 3.°2/29.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 22.94	+10 43.5	1.566	2.430	13.9	19.1
2 11	11 17.31	+12 2.5	1.507	2.438	9.8	18.9
2 21	11 9.38	+13 29.7	1.474	2.446	5.5	18.6
3 2	11 0.06	+14 55.7	1.468	2.453	3.2	18.5
3 12	10 50.57	+16 10.6	1.490	2.460	6.4	18.7
3 22	10 42.14	+17 7.2	1.538	2.467	10.6	19.0
4 1	10 35.75	+17 41.6	1.610	2.473	14.5	19.2
4 11	10 32.00	+17 53.6	1.701	2.479	17.7	19.4

249218 2008 EO_{86} 3 3.7 91.°00 2.°7/ 1.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 28.56	+13 13.4	1.825	2.676	12.9	20.0
2 11	11 20.80	+13 39.7	1.779	2.703	9.1	19.8
2 21	11 11.06	+14 7.9	1.760	2.729	5.1	19.6
3 2	11 0.28	+14 32.0	1.770	2.755	2.7	19.5
3 12	10 49.64	+14 46.5	1.809	2.780	5.3	19.7
3 22	10 40.20	+14 48.6	1.876	2.805	9.0	20.0
4 1	10 32.79	+14 37.1	1.969	2.829	12.4	20.3
4 11	10 27.84	+14 12.6	2.083	2.853	15.1	20.5

414822 2010 UF_{27} 3 3.7 89.°10 1.°9/ 5.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 22.12	− 1 16.7	1.784	2.611	14.3	21.7
2 11	11 16.37	− 0 48.2	1.727	2.632	10.6	21.6
2 21	11 8.71	− 0 2.9	1.693	2.653	6.4	21.4
3 2	10 59.95	+ 0 54.6	1.687	2.674	2.4	21.1
3 12	10 51.16	+ 1 57.7	1.710	2.695	3.5	21.3
3 22	10 43.32	+ 2 59.4	1.761	2.715	7.5	21.5
4 1	10 37.26	+ 3 53.5	1.837	2.735	11.3	21.8
4 11	10 33.47	+ 4 35.7	1.937	2.754	14.4	22.0

95463 2002 DS_5 3 3.7 70.°28 3.°3/ 7.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 19.35	− 5 38.5	1.840	2.652	14.5	19.4
2 11	11 14.42	− 5 16.4	1.776	2.668	11.1	19.2
2 21	11 7.65	− 4 34.0	1.735	2.684	7.4	19.0
3 2	10 59.80	− 3 34.8	1.721	2.701	4.0	18.8
3 12	10 51.86	− 2 24.7	1.735	2.717	4.0	18.8
3 22	10 44.76	− 1 11.2	1.777	2.733	7.2	19.1
4 1	10 39.30	− 0 1.5	1.844	2.750	10.8	19.3
4 11	10 36.00	+ 0 58.5	1.935	2.766	13.9	19.5

222768 2002 CR_{81} 3 3.7 27.°32 0.°7/ 3.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 21.07	+ 6 43.8	1.535	2.395	14.4	19.8
2 11	11 15.97	+ 7 8.9	1.474	2.401	10.3	19.6
2 21	11 8.63	+ 7 44.7	1.437	2.408	5.6	19.3
3 2	10 59.95	+ 8 25.1	1.425	2.416	0.9	19.0
3 12	10 51.14	+ 9 3.3	1.441	2.424	4.5	19.3
3 22	10 43.35	+ 9 33.0	1.484	2.433	9.2	19.6
4 1	10 37.55	+ 9 50.0	1.550	2.442	13.3	19.9
4 11	10 34.31	+ 9 52.2	1.636	2.451	16.7	20.1

434331 2004 JY_{39} 3 3.7 184.°04 6.°0/24.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 19.48	+25 49.5	2.531	3.389	9.5	20.9
2 11	11 14.28	+27 9.2	2.476	3.389	7.4	20.8
2 21	11 7.50	+28 23.1	2.449	3.389	6.1	20.7
3 2	10 59.79	+29 24.4	2.450	3.388	6.4	20.7
3 12	10 51.94	+30 8.0	2.480	3.388	8.0	20.8
3 22	10 44.75	+30 31.0	2.535	3.387	10.1	20.9
4 1	10 38.92	+30 33.1	2.613	3.386	12.2	21.1
4 11	10 34.93	+30 16.0	2.710	3.385	14.0	21.2

16593 1992 UB_3 3 3.7 155.°02 6.°0/26.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 24.94	+23 12.6	2.081	2.939	11.2	17.4
2 11	11 18.33	+24 14.6	2.027	2.945	8.5	17.3
2 21	11 9.79	+25 11.1	1.999	2.950	6.4	17.1
3 2	11 0.13	+25 54.6	1.999	2.954	6.2	17.1
3 12	10 50.39	+26 19.3	2.027	2.958	8.1	17.3
3 22	10 41.59	+26 22.6	2.082	2.962	10.8	17.4
4 1	10 34.55	+26 4.9	2.160	2.966	13.4	17.6
4 11	10 29.81	+25 28.4	2.258	2.969	15.7	17.8

489566 2007 TK_{30} 3 3.7 141.°14 0.°9/ 2.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 19.56	+ 8 7.0	2.935	3.773	8.9	22.4
2 11	11 14.00	+ 8 44.8	2.868	3.787	6.3	22.3
2 21	11 7.22	+ 9 27.7	2.830	3.800	3.4	22.1
3 2	10 59.75	+10 11.9	2.822	3.812	0.9	21.9
3 12	10 52.21	+10 53.3	2.846	3.824	3.1	22.1
3 22	10 45.21	+11 28.5	2.899	3.835	5.9	22.3
4 1	10 39.29	+11 55.0	2.981	3.845	8.5	22.5
4 11	10 34.85	+12 11.2	3.087	3.855	10.7	22.7

42853 1999 RP_{69} 3 3.7 313.°92 1.°2/ 2.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 19.74	+ 6 2.1	1.380	2.246	15.4	18.8
2 11	11 15.45	+ 6 52.4	1.303	2.234	11.0	18.5
2 21	11 8.58	+ 7 58.6	1.249	2.222	6.1	18.2
3 2	10 59.99	+ 9 13.0	1.221	2.211	1.3	17.8
3 12	10 50.95	+10 25.7	1.218	2.200	5.3	18.1
3 22	10 42.83	+11 27.3	1.241	2.190	10.6	18.3
4 1	10 36.83	+12 10.9	1.287	2.180	15.4	18.6
4 11	10 33.71	+12 33.1	1.351	2.171	19.4	18.8

214825 2006 VS_{41} 3 3.7 251.°69 2.°4/29.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 18.67	+12 31.7	2.461	3.316	9.8	20.5
2 11	11 13.69	+13 17.9	2.383	3.309	6.9	20.3
2 21	11 7.19	+14 7.8	2.332	3.302	4.0	20.1
3 2	10 59.76	+14 56.4	2.310	3.294	2.4	20.0
3 12	10 52.13	+15 38.5	2.318	3.287	4.6	20.1
3 22	10 45.07	+16 10.0	2.354	3.279	7.7	20.3
4 1	10 39.26	+16 28.4	2.417	3.271	10.6	20.5
4 11	10 35.18	+16 32.6	2.501	3.263	13.1	20.6

98439 2000 UD_{50} 3 3.7 108.°92 2.°8/ 1.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 23.27	+10 34.4	1.567	2.430	14.0	19.5
2 11	11 17.52	+11 34.3	1.509	2.439	9.9	19.3
2 21	11 9.49	+12 41.8	1.476	2.448	5.5	19.0
3 2	11 0.10	+13 48.4	1.470	2.456	2.8	18.9
3 12	10 50.57	+14 45.5	1.491	2.465	5.9	19.1
3 22	10 42.13	+15 26.6	1.539	2.473	10.2	19.4
4 1	10 35.73	+15 48.4	1.611	2.481	14.1	19.6
4 11	10 31.97	+15 50.5	1.702	2.488	17.4	19.8

426670 2013 TR_{13} 3 3.7 103.°48 0.°0/ 3.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 19.20	+ 3 46.2	1.986	2.829	12.3	21.5
2 11	11 14.26	+ 4 32.8	1.917	2.836	8.9	21.3
2 21	11 7.57	+ 5 31.4	1.874	2.843	4.9	21.0
3 2	10 59.81	+ 6 36.8	1.859	2.850	0.7	20.7
3 12	10 51.91	+ 7 42.2	1.873	2.856	3.5	21.0
3 22	10 44.76	+ 8 41.4	1.916	2.863	7.6	21.2
4 1	10 39.13	+ 9 29.5	1.984	2.870	11.1	21.5
4 11	10 35.53	+10 3.3	2.075	2.876	14.2	21.7

497578 2006 FA_{47} 3 3.7 302.°80 3.°4/29.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 21.03	+ 9 14.4	1.413	2.282	14.8	21.2
2 11	11 16.83	+10 44.1	1.304	2.238	10.8	20.8
2 21	11 9.69	+12 33.9	1.219	2.192	6.1	20.4
3 2	11 0.22	+14 34.5	1.160	2.146	3.5	20.1
3 12	10 49.60	+16 32.6	1.128	2.100	7.7	20.2
3 22	10 39.38	+18 14.5	1.121	2.053	13.3	20.4
4 1	10 31.13	+19 30.0	1.137	2.006	18.7	20.5
4 11	10 26.05	+20 14.4	1.169	1.959	23.5	20.7

261323 2005 UR_{220} 3 3.7 3.°93 5.°0/ 8.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 19.32	− 8 33.7	1.724	2.526	15.7	20.6
2 11	11 14.68	− 8 35.8	1.645	2.526	12.5	20.3
2 21	11 7.96	− 8 14.6	1.588	2.526	8.9	20.1
3 2	10 59.89	− 7 31.1	1.555	2.526	5.8	19.9
3 12	10 51.53	− 6 30.2	1.550	2.527	5.3	19.9
3 22	10 43.95	− 5 19.1	1.571	2.527	8.1	20.1
4 1	10 38.10	− 4 6.1	1.618	2.528	11.7	20.3
4 11	10 34.62	− 2 59.0	1.687	2.529	15.1	20.5

209584 2004 XT_{106} 3 3.7 51.°43 1.°0/ 4.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 24.24	+ 2 55.3	1.287	2.142	17.0	19.9
2 11	11 18.48	+ 3 3.3	1.234	2.156	12.3	19.7
2 21	11 10.11	+ 3 27.5	1.203	2.171	7.1	19.4
3 2	11 0.20	+ 4 2.5	1.196	2.186	1.7	19.1
3 12	10 50.22	+ 4 40.8	1.216	2.201	4.4	19.3
3 22	10 41.56	+ 5 15.1	1.261	2.217	9.6	19.7
4 1	10 35.31	+ 5 39.5	1.330	2.233	14.2	20.0
4 11	10 32.04	+ 5 50.4	1.418	2.250	18.0	20.3

157394 2004 TT_{211} 3 3.7 217.°60 2.°4/ 1.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 22.58	+12 25.7	2.177	3.030	11.0	20.4
2 11	11 16.64	+13 3.4	2.099	3.024	7.8	20.2
2 21	11 8.89	+13 45.0	2.048	3.018	4.4	19.9
3 2	11 0.02	+14 24.9	2.027	3.012	2.4	19.8
3 12	10 50.94	+14 57.6	2.034	3.005	4.9	19.9
3 22	10 42.55	+15 18.9	2.071	2.998	8.4	20.1
4 1	10 35.66	+15 26.5	2.133	2.991	11.6	20.3
4 11	10 30.83	+15 19.6	2.216	2.983	14.4	20.5

156111 2001 SY_{253} 3 3.7 223.°58 0.°3/ 4.0 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 22.70	+ 2 15.3	1.791	2.629	13.7	21.3
2 11	11 17.12	+ 3 3.6	1.704	2.619	10.0	21.0
2 21	11 9.35	+ 4 8.2	1.642	2.609	5.7	20.7
3 2	11 0.11	+ 5 23.8	1.607	2.597	1.0	20.4
3 12	10 50.47	+ 6 42.6	1.601	2.585	3.9	20.5
3 22	10 41.54	+ 7 56.5	1.624	2.572	8.6	20.8
4 1	10 34.34	+ 8 58.7	1.672	2.559	12.8	21.0
4 11	10 29.57	+ 9 44.7	1.742	2.545	16.4	21.2

292308 2006 SB_{153} 3 3.7 89.°03 3.°3/ 7.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 19.09	− 5 34.0	2.355	3.154	12.1	20.7
2 11	11 13.98	− 5 35.1	2.278	3.161	9.4	20.5
2 21	11 7.35	− 5 21.0	2.226	3.169	6.4	20.3
3 2	10 59.79	− 4 53.4	2.201	3.177	3.8	20.2
3 12	10 52.09	− 4 15.6	2.206	3.185	3.7	20.2
3 22	10 45.00	− 3 32.5	2.239	3.192	6.2	20.4
4 1	10 39.20	− 2 48.8	2.300	3.200	9.2	20.5
4 11	10 35.17	− 2 9.3	2.384	3.207	11.9	20.7

288017 2003 UZ_{213} 3 3.7 242.°96 0.°7/ 4.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 22.67	+ 1 51.6	1.924	2.757	13.1	21.9
2 11	11 17.04	+ 2 24.1	1.829	2.740	9.7	21.6
2 21	11 9.29	+ 3 11.5	1.758	2.723	5.6	21.4
3 2	11 0.11	+ 4 9.7	1.716	2.705	1.3	21.0
3 12	10 50.48	+ 5 12.3	1.702	2.687	3.6	21.1
3 22	10 41.46	+ 6 12.6	1.718	2.667	8.1	21.4
4 1	10 34.02	+ 7 4.4	1.759	2.647	12.2	21.6
4 11	10 28.89	+ 7 43.1	1.823	2.627	15.7	21.8

498476 2008 CV_{73} 3 3.7 109.°32 6.°5/11.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 22.79	−18 34.0	2.846	3.548	12.5	21.9
2 11	11 16.43	−19 13.5	2.772	3.569	10.6	21.7
2 21	11 8.63	−19 34.2	2.722	3.589	8.7	21.6
3 2	10 59.98	−19 35.2	2.697	3.609	7.1	21.6
3 12	10 51.20	−19 17.8	2.701	3.629	6.5	21.6
3 22	10 42.99	−18 45.2	2.733	3.648	7.2	21.6
4 1	10 36.00	−18 2.0	2.792	3.666	8.7	21.7
4 11	10 30.68	−17 13.8	2.876	3.684	10.5	21.9

344507 2002 RZ_{10} 3 3.7 129.°87 0.°7/ 4.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 27.73	+ 3 2.6	1.605	2.443	15.1	21.3
2 11	11 20.62	+ 3 20.8	1.544	2.458	10.9	21.1
2 21	11 11.18	+ 3 52.7	1.506	2.472	6.2	20.8
3 2	11 0.36	+ 4 33.3	1.496	2.486	1.3	20.5
3 12	10 49.44	+ 5 16.0	1.514	2.499	4.0	20.8
3 22	10 39.66	+ 5 54.3	1.561	2.511	8.7	21.1
4 1	10 32.00	+ 6 23.1	1.633	2.522	12.9	21.3
4 11	10 27.07	+ 6 39.3	1.726	2.533	16.3	21.6

124680 2001 ST_{111} 3 3.7 147.°68 0.°5/ 4.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 25.53	+ 3 29.5	1.612	2.454	14.8	19.7
2 11	11 19.15	+ 3 47.0	1.543	2.460	10.7	19.5
2 21	11 10.42	+ 4 17.9	1.499	2.466	6.1	19.2
3 2	11 0.26	+ 4 57.5	1.481	2.471	1.2	18.9
3 12	10 49.89	+ 5 39.1	1.492	2.476	4.0	19.1
3 22	10 40.53	+ 6 16.4	1.530	2.480	8.8	19.4
4 1	10 32.25	+ 8 22.9	1.821	2.702	12.2	21.7
4 11	10 26.55	+ 8 39.5	1.889	2.683	15.6	21.9

357336 2003 OT_{17} 3 3.7 233.°29 0.°0/ 3.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 24.90	+ 4 49.5	1.963	2.800	12.7	22.0
2 11	11 18.58	+ 5 14.0	1.870	2.786	9.3	21.7
2 21	11 10.13	+ 5 49.5	1.803	2.770	5.2	21.4
3 2	11 0.24	+ 6 31.8	1.764	2.755	0.8	21.1
3 12	10 49.93	+ 7 15.1	1.755	2.738	3.8	21.3
3 22	10 40.27	+ 7 53.7	1.775	2.720	8.2	21.5
4 1	10 32.25	+ 8 22.9	1.821	2.702	12.2	21.7
4 11	10 26.55	+ 8 39.5	1.889	2.683	15.6	21.9

370166 2002 AM_{79} 3 3.7 45.°57 2.°7/ 1.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 20.91	+10 37.9	1.504	2.373	14.1	20.7
2 11	11 15.82	+11 34.4	1.456	2.388	9.9	20.4
2 21	11 8.53	+12 37.8	1.430	2.403	5.5	20.2
3 2	10 59.98	+13 39.9	1.432	2.419	2.8	20.1
3 12	10 51.39	+14 32.2	1.460	2.435	5.9	20.3
3 22	10 43.92	+15 8.6	1.514	2.451	10.1	20.6
4 1	10 38.49	+15 26.0	1.592	2.468	14.0	20.9
4 11	10 35.61	+15 24.3	1.689	2.485	17.1	21.1

162577 2000 RR_{90} 3 3.7 147.°53 3.°1/ 6.4 18 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 23.51	− 3 52.5	1.765	2.580	14.9	20.2
2 11	11 17.57	− 3 42.8	1.692	2.587	11.4	20.0
2 21	11 9.51	− 3 13.9	1.642	2.594	7.4	19.8
3 2	11 0.14	− 2 28.7	1.618	2.600	3.8	19.6
3 12	10 50.54	− 1 32.6	1.624	2.606	4.1	19.6
3 22	10 41.83	− 0 32.7	1.657	2.612	7.8	19.8
4 1	10 34.92	+ 0 23.9	1.716	2.617	11.7	20.1
4 11	10 30.43	+ 1 11.5	1.797	2.621	15.1	20.3

310951 2003 UT_{38} 3 3.7 120.°95 3.°2/29.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 24.55	+12 53.0	1.825	2.683	12.6	21.3
2 11	11 18.14	+13 54.9	1.772	2.699	8.9	21.1
2 21	11 9.72	+15 0.4	1.746	2.715	5.1	20.9
3 2	11 0.16	+16 2.0	1.747	2.730	3.3	20.8
3 12	10 50.56	+16 52.4	1.778	2.745	5.9	21.0
3 22	10 41.97	+17 26.7	1.836	2.759	9.6	21.3
4 1	10 35.25	+17 42.6	1.919	2.772	12.9	21.5
4 11	10 30.90	+17 40.5	2.022	2.785	15.7	21.7

116266 2003 YF_{33} 3 3.7 196.°83 1.°0/ 4.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 21.18	+ 0 21.4	1.955	2.785	13.1	20.4
2 11	11 15.81	+ 1 5.3	1.873	2.783	9.6	20.2
2 21	11 8.52	+ 2 5.2	1.816	2.780	5.7	20.0
3 2	11 0.00	+ 3 16.5	1.787	2.776	1.6	19.7
3 12	10 51.21	+ 4 32.4	1.788	2.772	3.4	19.8
3 22	10 43.12	+ 5 45.7	1.817	2.768	7.6	20.1
4 1	10 36.60	+ 6 49.8	1.873	2.763	11.5	20.3
4 11	10 32.25	+ 7 40.4	1.951	2.757	14.7	20.5

16498 Passau 3 3.7 60.°93 0.°8/ 4.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 17.07	− 0 59.7	1.785	2.621	13.8	17.2
2 11	11 12.90	+ 0 21.6	1.718	2.631	10.1	17.0
2 21	11 6.88	+ 2 2.4	1.676	2.642	5.9	16.8
3 2	10 59.75	+ 3 55.8	1.662	2.652	1.4	16.5
3 12	10 52.47	+ 5 52.2	1.678	2.663	3.5	16.7
3 22	10 45.99	+ 7 41.8	1.721	2.673	7.9	17.0
4 1	10 41.12	+ 9 16.8	1.791	2.684	11.7	17.2
4 11	10 38.39	+10 32.4	1.884	2.695	15.0	17.5

283500 2001 SK_{258} 3 3.7 234.°29 1.°0/ 4.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 20.77	+ 2 12.6	2.291	3.120	11.4	20.9
2 11	11 15.27	+ 2 18.4	2.208	3.117	8.4	20.7
2 21	11 8.12	+ 2 34.3	2.151	3.114	4.9	20.4
3 2	10 59.94	+ 2 57.7	2.122	3.111	1.5	20.2
3 12	10 51.55	+ 3 24.6	2.122	3.107	3.0	20.3
3 22	10 43.76	+ 3 50.8	2.152	3.103	6.6	20.5
4 1	10 37.32	+ 4 12.6	2.209	3.100	9.9	20.7
4 11	10 32.76	+ 4 26.8	2.289	3.096	12.8	20.9

405822 2006 BV_{123} 3 3.7 305.°81 1.°7/ 4.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 24.86	+ 2 26.4	1.369	2.218	16.5	20.6
2 11	11 19.20	+ 2 14.1	1.290	2.208	12.3	20.3
2 21	11 10.73	+ 2 16.8	1.233	2.199	7.3	20.0
3 2	11 0.36	+ 2 31.4	1.200	2.189	2.3	19.7
3 12	10 49.48	+ 2 52.6	1.194	2.180	4.5	19.8
3 22	10 39.58	+ 3 13.8	1.214	2.171	9.8	20.0
4 1	10 31.97	+ 3 29.1	1.257	2.162	14.8	20.3
4 11	10 27.47	+ 3 34.0	1.320	2.154	19.0	20.5

409830 2006 PH_5 3 3.7 174.°23 3.°1/29.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 23.38	+13 32.6	2.145	2.999	11.1	22.0
2 11	11 17.20	+14 35.5	2.078	3.003	7.9	21.8
2 21	11 9.20	+15 41.9	2.037	3.005	4.6	21.6
3 2	11 0.11	+16 45.0	2.026	3.007	3.2	21.5
3 12	10 50.84	+17 38.2	2.045	3.009	5.6	21.7
3 22	10 42.34	+18 16.9	2.092	3.009	8.9	21.9
4 1	10 35.41	+18 38.4	2.165	3.009	12.0	22.1
4 11	10 30.57	+18 42.7	2.259	3.008	14.7	22.3

374400 2005 VZ_{97} 3 3.7 217.°37 9.°5/15.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 22.54	−27 45.9	2.630	3.266	14.7	21.8
2 11	11 16.69	−28 28.0	2.526	3.256	13.3	21.6
2 21	11 9.02	−28 45.7	2.441	3.245	11.7	21.5
3 2	11 0.10	−28 36.0	2.377	3.233	10.3	21.4
3 12	10 50.76	−27 58.4	2.339	3.221	9.6	21.3
3 22	10 41.88	−26 55.8	2.326	3.207	9.8	21.3
4 1	10 34.31	−25 33.8	2.339	3.193	10.9	21.3
4 11	10 28.68	−24 0.2	2.376	3.178	12.5	21.4

224396 2005 UQ_{253} 3 3.7 229.°99 3.°4/ 7.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 20.30	− 6 10.5	2.155	2.954	13.1	21.5
2 11	11 15.12	− 5 55.8	2.060	2.944	10.2	21.3
2 21	11 8.14	− 5 22.6	1.989	2.933	7.0	21.0
3 2	10 59.96	− 4 32.7	1.945	2.922	4.0	20.8
3 12	10 51.45	− 3 30.5	1.930	2.910	3.9	20.8
3 22	10 43.51	− 2 22.0	1.944	2.898	7.0	21.0
4 1	10 36.95	− 1 13.9	1.986	2.886	10.4	21.2
4 11	10 32.39	− 0 12.1	2.051	2.873	13.6	21.3

128445 2004 ND_{20} 3 3.7 96.°44 12.°0/13.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 29.38	−23 16.1	1.654	2.357	20.1	19.7
2 11	11 22.11	−24 45.4	1.593	2.378	17.7	19.5
2 21	11 12.18	−25 42.2	1.550	2.399	15.1	19.4
3 2	11 0.57	−26 1.4	1.529	2.419	13.0	19.3
3 12	10 48.65	−25 42.8	1.531	2.439	12.0	19.3
3 22	10 37.85	−24 52.0	1.558	2.459	12.5	19.4
4 1	10 29.35	−23 38.5	1.607	2.478	14.1	19.5
4 11	10 23.85	−22 14.4	1.678	2.496	16.3	19.7

18807 1999 JL_{85} 3 3.7 117.°02 1.°8/ 5.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 20.77	− 5 46.8	1.771	2.582	15.0	18.4
2 11	11 15.53	− 4 4.3	1.703	2.599	11.3	18.2
2 21	11 8.34	− 1 56.3	1.659	2.616	6.9	18.0
3 2	10 59.98	+ 0 29.7	1.645	2.631	2.6	17.8
3 12	10 51.51	+ 3 2.3	1.661	2.647	3.5	17.9
3 22	10 43.92	+ 5 29.4	1.708	2.661	7.8	18.1
4 1	10 38.07	+ 7 40.7	1.783	2.675	11.8	18.4
4 11	10 34.50	+ 9 29.9	1.881	2.689	15.2	18.7

497278 2005 QH_{58} 3 3.7 222.°38 0.°5/ 3.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 20.34	+ 4 46.2	2.178	3.018	11.5	22.3
2 11	11 15.11	+ 5 42.9	2.090	3.008	8.3	22.1
2 21	11 8.11	+ 6 51.5	2.029	2.998	4.6	21.8
3 2	10 59.96	+ 8 6.5	1.996	2.987	0.7	21.5
3 12	10 51.52	+ 9 21.3	1.995	2.976	3.7	21.7
3 22	10 43.65	+10 29.6	2.022	2.964	7.6	21.9
4 1	10 37.18	+11 26.0	2.076	2.951	11.2	22.1
4 11	10 32.66	+12 7.4	2.152	2.938	14.2	22.3

124138 2001 LE_{12} 3 3.7 200.°66 4.°0/ 7.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 23.55	− 6 7.9	1.734	2.540	15.5	20.5
2 11	11 17.78	− 6 0.4	1.649	2.537	12.1	20.2
2 21	11 9.74	− 5 31.0	1.587	2.533	8.2	20.0
3 2	11 0.22	− 4 41.6	1.552	2.529	4.7	19.8
3 12	10 50.32	− 3 37.3	1.544	2.524	4.7	19.8
3 22	10 41.20	− 2 25.8	1.564	2.519	8.2	19.9
4 1	10 33.91	− 1 15.2	1.610	2.513	12.2	20.2
4 11	10 29.12	− 0 12.8	1.678	2.506	15.8	20.4

473165 2015 KO_{31} 3 3.7 250.°83 1.°2/ 2.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 18.19	+ 8 43.3	2.546	3.394	9.8	21.6
2 11	11 13.33	+ 9 20.9	2.464	3.386	6.9	21.4
2 21	11 7.02	+10 4.6	2.408	3.379	3.8	21.2
3 2	10 59.80	+10 50.2	2.382	3.371	1.2	21.0
3 12	10 52.40	+11 32.8	2.385	3.363	3.6	21.2
3 22	10 45.51	+12 8.4	2.418	3.355	6.8	21.4
4 1	10 39.80	+12 33.8	2.478	3.347	9.8	21.5
4 11	10 35.74	+12 47.2	2.560	3.338	12.4	21.7

68025 2000 YV_{21} 3 3.7 97.°03 3.°1/ 6.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 25.28	− 2 47.7	1.640	2.460	15.6	18.6
2 11	11 18.84	− 2 50.1	1.579	2.478	11.8	18.4
2 21	11 10.20	− 2 34.2	1.541	2.496	7.6	18.2
3 2	11 0.28	− 2 2.6	1.530	2.513	3.7	18.0
3 12	10 50.26	− 1 20.9	1.547	2.530	4.2	18.0
3 22	10 41.30	− 0 35.7	1.591	2.546	8.1	18.3
4 1	10 34.35	+ 0 6.4	1.661	2.562	12.0	18.6
4 11	10 29.97	+ 0 40.2	1.753	2.578	15.4	18.8

379928 2012 KW_{44} 3 3.7 297.°56 7.°2/10.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 17.92	−14 26.8	1.758	2.530	16.7	20.6
2 11	11 13.92	−14 33.2	1.655	2.508	14.0	20.4
2 21	11 7.72	−14 11.2	1.571	2.486	10.9	20.1
3 2	10 59.95	−13 19.4	1.511	2.464	8.1	19.9
3 12	10 51.62	−12 0.4	1.477	2.442	7.2	19.8
3 22	10 43.85	−10 21.2	1.469	2.420	9.1	19.9
4 1	10 37.72	− 8 31.9	1.486	2.398	12.4	20.0
4 11	10 34.02	− 6 43.5	1.526	2.376	16.0	20.2

247867 2003 UU_{94} 3 3.7 211.°79 2.°3/ 6.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 21.92	− 3 16.9	2.073	2.884	13.1	22.1
2 11	11 16.32	− 2 48.1	1.982	2.877	10.0	21.8
2 21	11 8.83	− 2 1.7	1.915	2.869	6.4	21.6
3 2	11 0.09	− 1 0.5	1.876	2.860	2.9	21.3
3 12	10 51.03	+ 0 9.8	1.867	2.850	3.5	21.4
3 22	10 42.57	+ 1 22.7	1.887	2.840	7.2	21.6
4 1	10 35.60	+ 2 31.2	1.934	2.829	10.9	21.8
4 11	10 30.73	+ 3 30.0	2.004	2.817	14.2	22.0

82023 2000 SG_{34} 3 3.7 25.°27 1.°4/ 1.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 15.75	+10 13.4	2.987	3.837	8.4	19.2
2 11	11 11.38	+10 50.4	2.914	3.839	5.9	19.0
2 21	11 5.85	+11 31.3	2.869	3.840	3.2	18.8
3 2	10 59.64	+12 12.4	2.854	3.841	1.4	18.7
3 12	10 53.32	+12 50.0	2.868	3.843	3.3	18.8
3 22	10 47.46	+13 20.6	2.912	3.845	6.0	19.0
4 1	10 42.58	+13 42.0	2.983	3.846	8.5	19.2
4 11	10 39.07	+13 52.8	3.078	3.848	10.7	19.3

88917 2001 TZ_{10} 3 3.7 25.°87 4.°4/28.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 22.13	+18 18.1	1.995	2.859	11.4	19.0
2 11	11 16.38	+18 56.9	1.936	2.863	8.3	18.8
2 21	11 8.77	+19 34.1	1.903	2.867	5.4	18.6
3 2	11 0.08	+20 3.3	1.898	2.872	4.4	18.6
3 12	10 51.31	+20 19.1	1.921	2.877	6.6	18.7
3 22	10 43.43	+20 18.6	1.970	2.882	9.7	18.9
4 1	10 37.23	+20 1.0	2.044	2.888	12.7	19.1
4 11	10 33.22	+19 27.6	2.139	2.894	15.2	19.3

283423 2000 SZ_{285} 3 3.7 137.°99 1.°5/ 5.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 20.18	+ 0 11.9	2.637	3.453	10.5	20.8
2 11	11 14.64	+ 0 15.7	2.559	3.460	7.8	20.6
2 21	11 7.70	+ 0 29.7	2.508	3.466	4.8	20.4
3 2	10 59.93	+ 0 51.5	2.486	3.472	1.9	20.2
3 12	10 52.04	+ 1 17.8	2.494	3.478	2.7	20.3
3 22	10 44.71	+ 1 44.9	2.532	3.484	5.7	20.5
4 1	10 38.55	+ 2 9.4	2.599	3.489	8.6	20.7
4 11	10 34.02	+ 2 28.3	2.689	3.494	11.2	20.9

501410 2013 YQ_{113} 3 3.7 218.°43 2.°3/ 1.0 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 18.40	+11 38.5	2.385	3.241	10.1	21.7
2 11	11 13.56	+12 34.9	2.311	3.238	7.1	21.5
2 21	11 7.18	+13 36.1	2.264	3.234	4.0	21.3
3 2	10 59.86	+14 36.6	2.246	3.231	2.3	21.2
3 12	10 52.37	+15 30.7	2.258	3.228	4.6	21.3
3 22	10 45.46	+16 13.6	2.299	3.224	7.8	21.5
4 1	10 39.82	+16 42.5	2.365	3.220	10.7	21.7
4 11	10 35.95	+16 56.2	2.453	3.216	13.3	21.9

403922 2012 AF_8 3 3.7 133.°20 1.°3/ 2.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 23.34	+ 7 24.5	1.918	2.765	12.5	22.0
2 11	11 17.25	+ 8 18.7	1.857	2.779	8.9	21.8
2 21	11 9.26	+ 9 21.8	1.822	2.792	4.8	21.5
3 2	11 0.17	+10 27.3	1.815	2.805	1.3	21.3
3 12	10 50.99	+11 28.2	1.838	2.817	4.4	21.6
3 22	10 42.68	+12 18.5	1.890	2.828	8.3	21.8
4 1	10 36.09	+12 54.4	1.968	2.839	11.9	22.1
4 11	10 31.72	+13 14.2	2.067	2.849	14.8	22.3

191163 2002 JN_{125} 3 3.7 197.°88 0.°2/ 3.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 20.23	+ 3 40.4	2.208	3.044	11.5	20.7
2 11	11 14.95	+ 4 11.1	2.128	3.043	8.3	20.5
2 21	11 8.00	+ 4 52.6	2.073	3.041	4.7	20.3
3 2	10 59.99	+ 5 40.6	2.048	3.038	0.8	20.0
3 12	10 51.78	+ 6 30.0	2.052	3.036	3.2	20.2
3 22	10 44.20	+ 7 15.6	2.085	3.033	7.0	20.4
4 1	10 38.01	+ 7 52.8	2.145	3.030	10.4	20.6
4 11	10 33.72	+ 8 18.8	2.227	3.026	13.4	20.8

496184 2011 DC_{15} 3 3.7 164.°29 1.°7/ 5.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 21.99	+ 0 17.0	1.980	2.807	13.0	21.6
2 11	11 16.35	+ 0 25.2	1.903	2.809	9.7	21.4
2 21	11 8.83	+ 0 46.9	1.850	2.811	5.9	21.1
3 2	11 0.12	+ 1 19.2	1.825	2.812	2.2	20.9
3 12	10 51.20	+ 1 57.2	1.829	2.813	3.4	21.0
3 22	10 43.02	+ 2 35.7	1.861	2.814	7.3	21.2
4 1	10 36.41	+ 3 9.5	1.920	2.815	10.9	21.4
4 11	10 31.96	+ 3 34.6	2.001	2.816	14.1	21.7

38908 2000 SX_{170} 3 3.7 258.°59 3.°3/ 1.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 25.99	+13 7.9	1.582	2.444	13.9	18.7
2 11	11 19.74	+13 44.7	1.505	2.434	10.0	18.5
2 21	11 10.94	+14 26.1	1.452	2.423	5.8	18.2
3 2	11 0.46	+15 4.7	1.427	2.412	3.3	18.0
3 12	10 49.60	+15 32.8	1.429	2.401	6.4	18.2
3 22	10 39.70	+15 44.9	1.458	2.390	10.8	18.4
4 1	10 31.92	+15 38.6	1.510	2.378	15.0	18.6
4 11	10 26.98	+15 14.1	1.582	2.367	18.5	18.8

13156 Mannoucyo 3 3.7 218.°63 3.°4/ 6.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 24.08	− 4 39.6	1.783	2.593	15.0	19.0
2 11	11 18.19	− 4 27.9	1.692	2.584	11.6	18.7
2 21	11 10.03	− 3 55.8	1.625	2.575	7.7	18.5
3 2	11 0.33	− 3 5.2	1.584	2.564	4.0	18.2
3 12	10 50.18	− 2 1.6	1.571	2.553	4.3	18.2
3 22	10 40.74	− 0 52.2	1.587	2.541	8.2	18.4
4 1	10 33.07	+ 0 15.1	1.629	2.529	12.3	18.6
4 11	10 27.89	+ 1 13.4	1.693	2.515	16.0	18.8

497854 2006 UE_{100} 3 3.7 135.°56 5.°3/11.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 16.82	−17 3.5	2.824	3.548	12.1	21.7
2 11	11 12.25	−16 45.4	2.738	3.557	10.1	21.6
2 21	11 6.39	−16 7.1	2.675	3.566	8.0	21.5
3 2	10 59.77	−15 9.3	2.638	3.574	6.1	21.3
3 12	10 53.02	−13 55.2	2.630	3.582	5.3	21.3
3 22	10 46.78	−12 29.7	2.651	3.590	6.2	21.4
4 1	10 41.62	−10 58.7	2.701	3.598	8.1	21.5
4 11	10 37.96	− 9 28.6	2.776	3.605	10.2	21.7

81387 2000 GD_{75} 3 3.7 211.°80 3.°8/28.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 21.06	+17 34.5	2.422	3.279	9.9	19.9
2 11	11 15.45	+18 24.6	2.351	3.276	7.1	19.8
2 21	11 8.24	+19 14.6	2.308	3.271	4.6	19.6
3 2	11 0.05	+19 58.6	2.293	3.267	3.9	19.5
3 12	10 51.70	+20 31.5	2.309	3.262	5.8	19.6
3 22	10 44.00	+20 50.0	2.352	3.257	8.6	19.8
4 1	10 37.65	+20 52.4	2.420	3.252	11.3	20.0
4 11	10 33.16	+20 39.2	2.510	3.247	13.7	20.1

369299 2009 SR_{26} 3 3.7 180.°34 1.°1/ 4.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 20.43	+ 0 37.3	2.070	2.899	12.5	21.6
2 11	11 15.19	+ 1 11.2	1.991	2.900	9.2	21.4
2 21	11 8.18	+ 1 59.1	1.937	2.900	5.4	21.2
3 2	11 0.05	+ 2 57.2	1.911	2.900	1.6	20.9
3 12	10 51.71	+ 3 59.5	1.915	2.900	3.2	21.0
3 22	10 44.05	+ 4 59.8	1.948	2.899	7.1	21.3
4 1	10 37.86	+ 5 52.7	2.007	2.898	10.7	21.5
4 11	10 33.69	+ 6 33.9	2.089	2.897	13.8	21.7

240620 2004 XS_{92} 3 3.7 118.°12 1.°0/ 2.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 25.72	+ 7 4.7	1.712	2.561	13.7	21.3
2 11	11 19.10	+ 7 42.7	1.655	2.577	9.8	21.1
2 21	11 10.35	+ 8 30.0	1.623	2.593	5.3	20.9
3 2	11 0.38	+ 9 20.4	1.618	2.609	1.1	20.6
3 12	10 50.36	+10 6.9	1.643	2.624	4.4	20.9
3 22	10 41.39	+10 43.7	1.695	2.638	8.8	21.1
4 1	10 34.39	+11 7.1	1.773	2.652	12.6	21.4
4 11	10 29.89	+11 15.4	1.872	2.665	15.8	21.7

275576 1999 TT_{162} 3 3.7 220.°73 3.°4/ 7.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 18.60	− 7 15.6	2.271	3.064	12.7	21.3
2 11	11 13.84	− 6 48.9	2.178	3.058	9.9	21.1
2 21	11 7.43	− 6 3.1	2.109	3.051	6.8	20.9
3 2	10 59.96	− 5 0.5	2.068	3.044	4.0	20.7
3 12	10 52.22	− 3 45.7	2.056	3.036	3.8	20.6
3 22	10 45.03	− 2 24.9	2.074	3.028	6.5	20.8
4 1	10 39.13	− 1 5.1	2.118	3.020	9.8	21.0
4 11	10 35.07	+ 0 7.8	2.188	3.011	12.8	21.1

319719 2006 UX_{60} 3 3.7 149.°11 1.°8/ 5.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 22.09	− 0 41.3	1.894	2.720	13.6	21.1
2 11	11 16.48	− 0 21.3	1.820	2.725	10.1	20.9
2 21	11 8.93	+ 0 14.2	1.770	2.730	6.2	20.7
3 2	11 0.19	+ 1 1.8	1.748	2.735	2.4	20.5
3 12	10 51.24	+ 1 55.7	1.754	2.739	3.5	20.5
3 22	10 43.07	+ 2 49.6	1.789	2.743	7.5	20.8
4 1	10 36.57	+ 3 37.6	1.850	2.747	11.2	21.0
4 11	10 32.28	+ 4 15.1	1.934	2.750	14.5	21.2

336864 2011 FA_{142} 3 3.7 243.°94 2.°3/ 1.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 21.02	+11 13.0	2.013	2.870	11.6	20.8
2 11	11 15.70	+11 59.2	1.938	2.865	8.2	20.6
2 21	11 8.50	+12 51.2	1.889	2.860	4.6	20.4
3 2	11 0.13	+13 42.8	1.868	2.854	2.4	20.2
3 12	10 51.52	+14 27.7	1.876	2.849	5.0	20.4
3 22	10 43.64	+15 0.8	1.912	2.843	8.7	20.6
4 1	10 37.32	+15 18.9	1.973	2.837	12.2	20.8
4 11	10 33.12	+15 20.9	2.055	2.831	15.1	21.0

386934 2011 OU 3 3.8 113.°25 3.°4/28.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 17.99	+15 3.6	2.490	3.350	9.6	21.0
2 11	11 13.19	+16 28.3	2.435	3.362	6.8	20.9
2 21	11 6.96	+17 54.7	2.408	3.374	4.2	20.7
3 2	10 59.90	+19 16.5	2.410	3.385	3.5	20.7
3 12	10 52.74	+20 27.4	2.443	3.397	5.5	20.8
3 22	10 46.20	+21 23.1	2.504	3.408	8.2	21.0
4 1	10 40.90	+22 1.3	2.591	3.419	10.8	21.2
4 11	10 37.30	+22 21.7	2.699	3.430	12.9	21.4

416616 2004 RX_{97} 3 3.8 278.°16 1.°7/ 4.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 26.54	+ 2 17.7	1.914	2.741	13.4	20.7
2 11	11 19.95	+ 1 57.4	1.812	2.719	10.0	20.4
2 21	11 11.07	+ 1 47.3	1.735	2.697	6.1	20.1
3 2	11 0.56	+ 1 45.7	1.686	2.674	2.2	19.8
3 12	10 49.50	+ 1 49.3	1.667	2.651	3.7	19.9
3 22	10 39.02	+ 1 54.2	1.676	2.628	8.1	20.1
4 1	10 30.21	+ 1 56.6	1.712	2.604	12.3	20.3
4 11	10 23.84	+ 1 52.8	1.771	2.581	15.9	20.5

469149 2015 FL_{325} 3 3.8 277.°78 5.°3/26.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 19.81	+21 30.1	2.255	3.118	10.3	20.7
2 11	11 14.72	+22 39.9	2.191	3.113	7.7	20.5
2 21	11 7.91	+23 47.1	2.154	3.109	5.7	20.4
3 2	11 0.05	+24 44.4	2.145	3.104	5.5	20.4
3 12	10 52.02	+25 26.0	2.164	3.099	7.4	20.5
3 22	10 44.69	+25 48.2	2.210	3.094	10.1	20.6
4 1	10 38.81	+25 50.1	2.279	3.089	12.6	20.8
4 11	10 34.91	+25 32.8	2.368	3.085	14.9	20.9

138565 2000 QG_{76} 3 3.8 114.°99 1.°1/ 4.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 21.63	+ 1 47.6	2.592	3.413	10.5	19.8
2 11	11 15.67	+ 1 48.6	2.521	3.425	7.7	19.6
2 21	11 8.30	+ 1 58.6	2.476	3.437	4.6	19.4
3 2	11 0.11	+ 2 15.3	2.461	3.449	1.5	19.2
3 12	10 51.83	+ 2 35.2	2.476	3.460	2.7	19.3
3 22	10 44.17	+ 2 55.0	2.521	3.471	5.8	19.6
4 1	10 37.75	+ 3 11.6	2.595	3.482	8.7	19.8
4 11	10 33.00	+ 3 22.2	2.692	3.493	11.3	20.0

284344 2006 RY_{63} 3 3.8 182.°76 0.°5/ 4.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 20.93	+ 3 37.0	2.534	3.363	10.5	21.0
2 11	11 15.27	+ 3 46.7	2.453	3.363	7.6	20.8
2 21	11 8.13	+ 4 4.8	2.398	3.363	4.4	20.6
3 2	11 0.09	+ 4 28.4	2.373	3.363	1.0	20.4
3 12	10 51.88	+ 4 53.9	2.378	3.362	2.8	20.5
3 22	10 44.24	+ 5 17.5	2.413	3.362	6.1	20.7
4 1	10 37.83	+ 5 36.1	2.476	3.361	9.2	20.9
4 11	10 33.12	+ 5 47.0	2.562	3.359	11.9	21.1

272970 2006 DC_3 3 3.8 336.°44 1.°1/ 2.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 19.21	+ 6 33.5	1.850	2.704	12.6	20.2
2 11	11 14.51	+ 7 24.4	1.778	2.703	9.0	20.0
2 21	11 7.88	+ 8 26.1	1.730	2.701	4.9	19.8
3 2	11 0.06	+ 9 32.5	1.710	2.700	1.1	19.5
3 12	10 52.01	+10 36.4	1.719	2.699	4.3	19.7
3 22	10 44.72	+11 31.0	1.755	2.698	8.5	20.0
4 1	10 39.04	+12 11.6	1.816	2.697	12.2	20.2
4 11	10 35.55	+12 35.7	1.898	2.696	15.4	20.4

265680 2005 UK_{73} 3 3.8 183.°86 1.°4/ 2.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 21.70	+ 8 28.4	2.054	2.903	11.7	21.1
2 11	11 16.12	+ 9 12.7	1.980	2.904	8.3	20.9
2 21	11 8.72	+10 4.6	1.933	2.904	4.5	20.6
3 2	11 0.19	+10 58.7	1.914	2.903	1.5	20.4
3 12	10 51.46	+11 48.7	1.925	2.902	4.3	20.6
3 22	10 43.46	+12 29.3	1.964	2.901	8.1	20.8
4 1	10 36.99	+12 56.8	2.029	2.900	11.6	21.1
4 11	10 32.62	+13 9.5	2.115	2.898	14.5	21.3

283212 2010 NM_{24} 3 3.8 301.°20 3.°7/ 6.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 20.83	− 3 32.3	1.463	2.295	16.6	20.5
2 11	11 16.37	− 3 36.1	1.369	2.273	12.9	20.2
2 21	11 9.29	− 3 18.0	1.296	2.251	8.5	19.9
3 2	11 0.32	− 2 39.2	1.247	2.230	4.5	19.6
3 12	10 50.68	− 1 44.7	1.225	2.209	4.9	19.6
3 22	10 41.73	− 0 42.5	1.228	2.188	9.4	19.8
4 1	10 34.76	+ 0 18.4	1.255	2.167	14.2	20.0
4 11	10 30.66	+ 1 9.9	1.302	2.147	18.5	20.2

16267 Mcdermott 3 3.8 290.°48 1.°1/ 4.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 18.52	+ 1 0.1	2.140	2.972	12.0	18.7
2 11	11 13.83	+ 1 25.7	2.057	2.967	8.9	18.5
2 21	11 7.45	+ 2 4.3	1.998	2.962	5.2	18.3
3 2	11 0.00	+ 2 52.5	1.968	2.957	1.6	18.0
3 12	10 52.32	+ 3 45.0	1.967	2.952	3.1	18.1
3 22	10 45.24	+ 4 36.3	1.994	2.947	6.9	18.4
4 1	10 39.53	+ 5 21.3	2.048	2.943	10.4	18.6
4 11	10 35.74	+ 5 56.0	2.125	2.938	13.5	18.8

464331 2016 AL_{111} 3 3.8 29.°94 2.°8/ 1.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 21.00	+ 9 57.8	1.271	2.147	15.7	20.6
2 11	11 16.31	+10 53.1	1.220	2.155	11.1	20.4
2 21	11 9.05	+11 57.7	1.190	2.164	6.1	20.1
3 2	11 0.24	+13 2.5	1.186	2.174	2.8	20.0
3 12	10 51.32	+13 57.2	1.208	2.185	6.4	20.2
3 22	10 43.65	+14 34.6	1.254	2.196	11.2	20.5
4 1	10 38.31	+14 50.8	1.322	2.208	15.5	20.8
4 11	10 35.87	+14 45.6	1.408	2.221	19.1	21.0

20493 1999 OD_5 3 3.8 171.°77 3.°3/28.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 19.95	+14 25.7	2.417	3.273	9.9	18.9
2 11	11 14.68	+15 47.0	2.351	3.277	7.0	18.8
2 21	11 7.85	+17 11.4	2.313	3.280	4.3	18.6
3 2	11 0.06	+18 32.0	2.305	3.282	3.4	18.5
3 12	10 52.12	+19 42.4	2.327	3.284	5.6	18.7
3 22	10 44.79	+20 37.8	2.378	3.285	8.5	18.8
4 1	10 38.77	+21 15.6	2.454	3.286	11.2	19.0
4 11	10 34.55	+21 35.4	2.552	3.286	13.5	19.2

354872 2006 BU_{39} 3 3.8 26.°08 2.°1/ 1.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 16.82	+ 5 6.8	1.070	1.951	17.6	20.3
2 11	11 13.65	+ 6 48.0	1.021	1.959	12.4	20.0
2 21	11 7.70	+ 8 50.0	0.992	1.968	6.7	19.8
3 2	11 0.05	+10 59.3	0.988	1.978	2.1	19.5
3 12	10 52.24	+12 59.8	1.009	1.989	6.6	19.8
3 22	10 45.72	+14 38.2	1.053	2.001	12.1	20.1
4 1	10 41.66	+15 46.6	1.118	2.014	17.0	20.5
4 11	10 40.67	+16 23.4	1.200	2.027	20.9	20.8

345624 2006 SY_{265} 3 3.8 191.°99 1.°9/ 6.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 18.11	− 2 38.5	2.785	3.591	10.3	21.5
2 11	11 13.20	− 2 19.7	2.698	3.590	7.8	21.3
2 21	11 6.97	− 1 48.7	2.636	3.588	5.0	21.1
3 2	10 59.93	− 1 7.9	2.603	3.586	2.4	20.9
3 12	10 52.72	− 0 20.9	2.601	3.584	2.7	20.9
3 22	10 45.98	+ 0 28.2	2.628	3.581	5.5	21.1
4 1	10 40.29	+ 1 15.0	2.684	3.578	8.3	21.3
4 11	10 36.09	+ 1 56.0	2.764	3.574	10.8	21.5

334756 Leövey 3 3.8 211.°22 2.°0/ 5.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 20.79	− 1 25.5	2.316	3.131	11.8	21.7
2 11	11 15.36	− 1 14.8	2.228	3.126	8.9	21.5
2 21	11 8.28	− 0 50.8	2.165	3.121	5.6	21.3
3 2	11 0.14	− 0 16.1	2.131	3.116	2.5	21.1
3 12	10 51.76	+ 0 25.4	2.126	3.110	3.1	21.1
3 22	10 43.94	+ 1 8.8	2.151	3.104	6.5	21.3
4 1	10 37.44	+ 1 49.4	2.203	3.097	9.8	21.5
4 11	10 32.79	+ 2 23.0	2.279	3.090	12.7	21.7

331138 2010 VD_{133} 3 3.8 44.°46 10.°6/24.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 27.20	+30 6.1	1.358	2.226	15.4	19.7
2 11	11 20.60	+31 29.5	1.335	2.247	12.5	19.5
2 21	11 11.27	+32 35.2	1.335	2.268	10.7	19.5
3 2	11 0.56	+33 12.1	1.358	2.290	11.0	19.5
3 12	10 50.12	+33 14.3	1.405	2.312	12.9	19.7
3 22	10 41.41	+32 42.2	1.474	2.335	15.5	19.9
4 1	10 35.41	+31 40.8	1.562	2.358	18.1	20.2
4 11	10 32.52	+30 17.0	1.666	2.382	20.3	20.4

168503 1999 TL_8 3 3.8 132.°21 4.°2/29.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 26.75	+16 47.6	1.886	2.743	12.2	19.9
2 11	11 19.75	+17 39.5	1.832	2.757	8.8	19.7
2 21	11 10.71	+18 31.0	1.804	2.769	5.5	19.5
3 2	11 0.50	+19 14.7	1.805	2.781	4.3	19.5
3 12	10 50.26	+19 44.4	1.834	2.793	6.6	19.6
3 22	10 41.06	+19 56.4	1.891	2.803	10.0	19.9
4 1	10 33.77	+19 49.9	1.973	2.814	13.2	20.1
4 11	10 28.90	+19 26.4	2.075	2.823	15.8	20.3

295343 2008 HS_{16} 3 3.8 213.°43 1.°3/ 5.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 20.68	− 0 10.1	2.227	3.049	12.0	21.7
2 11	11 15.35	+ 0 21.7	2.138	3.042	8.9	21.5
2 21	11 8.31	+ 1 7.6	2.074	3.035	5.3	21.2
3 2	11 0.16	+ 2 4.1	2.039	3.027	1.8	21.0
3 12	10 51.73	+ 3 5.8	2.034	3.019	3.1	21.1
3 22	10 43.88	+ 4 7.1	2.058	3.010	6.8	21.3
4 1	10 37.38	+ 5 2.3	2.110	3.000	10.3	21.5
4 11	10 32.80	+ 5 47.2	2.184	2.990	13.4	21.7

84178 2002 RO_{105} 3 3.8 84.°94 0.°9/ 2.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 20.71	+ 7 6.6	2.246	3.090	11.1	19.7
2 11	11 15.12	+ 7 47.6	2.193	3.114	7.8	19.5
2 21	11 8.03	+ 8 35.6	2.167	3.137	4.2	19.3
3 2	11 0.11	+ 9 25.8	2.170	3.160	0.9	19.1
3 12	10 52.18	+10 12.6	2.203	3.183	3.6	19.4
3 22	10 45.02	+10 51.7	2.265	3.206	7.0	19.6
4 1	10 39.28	+11 19.9	2.354	3.228	10.1	19.9
4 11	10 35.39	+11 35.6	2.465	3.250	12.6	20.1

71993 2000 WG_{173} 3 3.8 93.°75 1.°7/ 2.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 24.29	+ 7 59.8	1.619	2.475	14.0	19.7
2 11	11 18.14	+ 8 57.7	1.570	2.496	9.9	19.5
2 21	11 9.86	+10 4.7	1.546	2.518	5.3	19.3
3 2	11 0.39	+11 13.1	1.550	2.539	1.8	19.1
3 12	10 50.93	+12 14.5	1.581	2.559	5.0	19.4
3 22	10 42.59	+13 2.5	1.640	2.579	9.3	19.7
4 1	10 36.25	+13 33.4	1.724	2.599	13.1	19.9
4 11	10 32.43	+13 46.2	1.828	2.618	16.2	20.2

94503 2001 UW_{64} 3 3.8 177.°93 1.°1/ 4.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 24.73	+ 1 42.4	1.648	2.485	14.8	19.9
2 11	11 18.68	+ 2 1.4	1.573	2.486	10.9	19.6
2 21	11 10.32	+ 2 35.6	1.522	2.487	6.4	19.4
3 2	11 0.49	+ 3 21.0	1.499	2.488	1.7	19.1
3 12	10 50.37	+ 4 10.8	1.503	2.488	3.9	19.2
3 22	10 41.16	+ 4 58.2	1.535	2.488	8.6	19.5
4 1	10 33.90	+ 5 37.0	1.592	2.487	12.8	19.7
4 11	10 29.25	+ 6 3.3	1.670	2.486	16.4	20.0

412670 2014 OJ_{198} 3 3.8 145.°10 0.°9/ 4.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 27.65	+ 3 30.4	1.880	2.711	13.5	21.1
2 11	11 20.46	+ 3 25.9	1.809	2.719	9.9	20.9
2 21	11 11.17	+ 3 31.9	1.762	2.727	5.7	20.7
3 2	11 0.61	+ 3 45.1	1.744	2.734	1.5	20.4
3 12	10 49.88	+ 4 1.2	1.756	2.741	3.5	20.6
3 22	10 40.08	+ 4 15.8	1.797	2.747	7.8	20.8
4 1	10 32.11	+ 4 25.1	1.865	2.753	11.6	21.1
4 11	10 26.56	+ 4 26.2	1.955	2.758	14.8	21.3

503543 2016 FD_{31} 3 3.8 261.°46 1.°1/ 2.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 20.37	+ 6 51.0	1.917	2.768	12.4	21.9
2 11	11 15.40	+ 7 39.4	1.833	2.757	8.8	21.6
2 21	11 8.45	+ 8 38.5	1.774	2.745	4.8	21.3
3 2	11 0.21	+ 9 42.8	1.743	2.733	1.2	21.1
3 12	10 51.64	+10 44.9	1.741	2.721	4.3	21.3
3 22	10 43.72	+11 38.4	1.766	2.708	8.5	21.5
4 1	10 37.38	+12 18.4	1.817	2.696	12.4	21.7
4 11	10 33.24	+12 42.2	1.890	2.683	15.6	21.9

323879 2005 SA_{204} 3 3.8 4.°56 3.°4/ 7.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 17.56	− 7 8.5	1.715	2.527	15.4	20.8
2 11	11 13.49	− 6 21.2	1.636	2.527	11.9	20.6
2 21	11 7.41	− 5 8.3	1.579	2.527	8.0	20.4
3 2	11 0.05	− 3 33.6	1.548	2.528	4.3	20.1
3 12	10 52.42	− 1 44.9	1.544	2.528	4.1	20.1
3 22	10 45.55	+ 0 7.9	1.569	2.528	7.8	20.3
4 1	10 40.36	+ 1 54.6	1.620	2.529	11.8	20.6
4 11	10 37.44	+ 3 27.4	1.694	2.530	15.3	20.8

117190 2004 RQ_{138} 3 3.8 156.°49 4.°7/ 9.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 18.88	−11 8.2	2.111	2.888	14.1	20.3
2 11	11 14.12	−10 47.6	2.028	2.892	11.3	20.1
2 21	11 7.64	−10 4.4	1.968	2.895	8.3	20.0
3 2	11 0.08	− 9 0.2	1.933	2.898	5.5	19.8
3 12	10 52.31	− 7 39.7	1.928	2.901	4.9	19.8
3 22	10 45.18	− 6 9.9	1.950	2.903	7.0	19.9
4 1	10 39.48	− 4 38.6	2.000	2.905	10.1	20.1
4 11	10 35.75	− 3 13.1	2.074	2.907	13.0	20.3

27052 Katebush 3 3.8 106.°39 2.°9/ 1.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 23.97	+ 9 55.8	1.424	2.289	15.0	18.7
2 11	11 18.28	+11 5.9	1.369	2.300	10.6	18.5
2 21	11 10.11	+12 25.4	1.338	2.310	5.8	18.2
3 2	11 0.46	+13 44.5	1.333	2.320	2.9	18.1
3 12	10 50.68	+14 53.1	1.356	2.330	6.3	18.3
3 22	10 42.07	+15 43.7	1.404	2.339	10.9	18.6
4 1	10 35.70	+16 12.4	1.476	2.348	15.0	18.8
4 11	10 32.15	+16 18.9	1.566	2.357	18.4	19.1

150843 2001 SB_{58} 3 3.8 79.°93 3.°0/ 1.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 26.25	+13 13.0	1.730	2.589	13.1	19.7
2 11	11 19.40	+13 48.0	1.684	2.611	9.3	19.5
2 21	11 10.51	+14 25.3	1.663	2.633	5.3	19.3
3 2	11 0.51	+14 58.4	1.670	2.655	3.0	19.2
3 12	10 50.58	+15 21.4	1.705	2.676	5.6	19.4
3 22	10 41.81	+15 30.4	1.768	2.698	9.4	19.7
4 1	10 35.04	+15 24.0	1.855	2.719	12.9	20.0
4 11	10 30.75	+15 3.0	1.963	2.740	15.7	20.2

165328 2000 UY_{92} 3 3.8 259.°28 3.°7/ 6.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 22.77	− 4 39.9	1.693	2.509	15.4	20.1
2 11	11 17.47	− 4 37.6	1.598	2.493	12.0	19.8
2 21	11 9.79	− 4 14.6	1.525	2.476	8.1	19.6
3 2	11 0.46	− 3 32.1	1.478	2.459	4.4	19.3
3 12	10 50.57	− 2 35.0	1.459	2.441	4.6	19.3
3 22	10 41.33	− 1 30.6	1.467	2.423	8.5	19.4
4 1	10 33.88	− 0 26.8	1.500	2.405	12.8	19.6
4 11	10 29.00	+ 0 29.0	1.555	2.386	16.7	19.8

432118 2009 BF_{23} 3 3.8 60.°42 0.°3/ 3.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 21.55	+ 6 29.4	2.096	2.941	11.7	21.4
2 11	11 15.93	+ 6 43.3	2.029	2.948	8.4	21.2
2 21	11 8.59	+ 7 4.9	1.986	2.955	4.6	20.9
3 2	11 0.23	+ 7 30.2	1.972	2.963	0.7	20.7
3 12	10 51.76	+ 7 54.6	1.988	2.971	3.4	20.9
3 22	10 44.05	+ 8 13.9	2.032	2.979	7.3	21.1
4 1	10 37.84	+ 8 25.0	2.102	2.986	10.7	21.4
4 11	10 33.65	+ 8 25.9	2.195	2.994	13.5	21.6

23151 Georgehotz 3 3.8 85.°08 0.°0/ 3.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 20.15	+ 4 25.3	2.041	2.883	12.1	18.9
2 11	11 15.01	+ 4 53.8	1.969	2.887	8.7	18.7
2 21	11 8.12	+ 5 32.7	1.923	2.891	4.9	18.4
3 2	11 0.17	+ 6 17.7	1.904	2.895	0.8	18.1
3 12	10 52.05	+ 7 3.2	1.915	2.899	3.4	18.4
3 22	10 44.65	+ 7 43.9	1.954	2.903	7.3	18.6
4 1	10 38.75	+ 8 15.6	2.019	2.906	10.9	18.8
4 11	10 34.86	+ 8 35.3	2.106	2.910	13.9	19.0

241716 2000 UO_{10} 3 3.8 177.°60 1.°6/ 5.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 23.04	− 1 7.5	2.098	2.915	12.8	21.8
2 11	11 17.08	− 0 34.7	2.017	2.918	9.5	21.6
2 21	11 9.30	+ 0 13.5	1.961	2.920	5.8	21.4
3 2	11 0.36	+ 1 13.5	1.934	2.921	2.1	21.1
3 12	10 51.19	+ 2 19.4	1.936	2.921	3.2	21.2
3 22	10 42.72	+ 3 24.8	1.969	2.920	7.1	21.4
4 1	10 35.76	+ 4 23.8	2.029	2.919	10.7	21.6
4 11	10 30.87	+ 5 12.0	2.111	2.917	13.8	21.8

366404 2001 SY_{145} 3 3.8 199.°32 1.°4/ 5.4 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 20.92	− 1 3.5	2.443	3.257	11.3	22.9
2 11	11 15.40	− 0 28.5	2.353	3.252	8.4	22.7
2 21	11 8.31	+ 0 20.3	2.289	3.247	5.1	22.5
3 2	11 0.21	+ 1 19.4	2.255	3.242	1.9	22.2
3 12	10 51.87	+ 2 24.0	2.251	3.235	2.9	22.3
3 22	10 44.07	+ 3 28.5	2.277	3.228	6.3	22.5
4 1	10 37.51	+ 4 27.7	2.331	3.220	9.6	22.7
4 11	10 32.71	+ 5 17.6	2.409	3.211	12.4	22.9

376182 2011 CB_{35} 3 3.8 286.°77 2.°2/ 5.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 21.95	− 0 26.8	1.842	2.671	13.8	20.9
2 11	11 16.62	− 0 29.2	1.754	2.660	10.4	20.6
2 21	11 9.19	− 0 16.9	1.690	2.649	6.5	20.4
3 2	11 0.36	+ 0 7.8	1.653	2.639	2.8	20.1
3 12	10 51.16	+ 0 40.5	1.644	2.628	3.7	20.1
3 22	10 42.64	+ 1 15.7	1.663	2.618	7.8	20.3
4 1	10 35.77	+ 1 47.7	1.707	2.608	11.8	20.6
4 11	10 31.22	+ 2 12.0	1.773	2.597	15.3	20.8

138713 2000 SK_{117} 3 3.8 85.°73 1.°0/ 2.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 23.90	+ 5 49.2	1.506	2.361	14.9	20.0
2 11	11 18.00	+ 6 44.1	1.457	2.382	10.6	19.8
2 21	11 9.86	+ 7 51.1	1.431	2.402	5.7	19.5
3 2	11 0.43	+ 9 2.6	1.432	2.423	1.1	19.3
3 12	10 51.00	+10 9.6	1.461	2.443	4.7	19.6
3 22	10 42.74	+11 4.6	1.517	2.462	9.4	19.9
4 1	10 36.59	+11 42.9	1.598	2.482	13.4	20.2
4 11	10 33.06	+12 2.9	1.698	2.501	16.7	20.4

268641 2006 DR_{116} 3 3.8 303.°07 8.°5/24.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 23.28	+28 3.4	1.806	2.669	12.4	19.5
2 11	11 17.75	+29 26.2	1.742	2.654	10.1	19.3
2 21	11 9.86	+30 40.3	1.704	2.640	8.6	19.2
3 2	11 0.46	+31 35.7	1.691	2.625	9.0	19.1
3 12	10 50.77	+32 4.7	1.704	2.611	11.0	19.2
3 22	10 42.02	+32 4.1	1.740	2.597	13.7	19.4
4 1	10 35.27	+31 34.6	1.797	2.583	16.5	19.5
4 11	10 31.17	+30 40.1	1.871	2.570	18.8	19.7

483324 2016 OP 3 3.8 110.°64 13.°1/11.3 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 34.69	−18 21.0	1.187	1.945	23.9	20.9
2 11	11 26.76	−20 15.9	1.130	1.962	20.5	20.7
2 21	11 15.23	−21 34.9	1.090	1.979	17.0	20.6
3 2	11 1.31	−22 9.8	1.071	1.994	14.2	20.5
3 12	10 46.92	−21 59.4	1.074	2.009	13.1	20.4
3 22	10 34.08	−21 10.5	1.100	2.024	14.4	20.6
4 1	10 24.38	−19 56.6	1.148	2.037	17.1	20.8
4 11	10 18.68	−18 33.3	1.214	2.050	20.2	21.0

51194 2000 HY_{99} 3 3.8 285.°46 0.°5/ 4.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 17.15	+ 1 26.5	2.150	2.986	11.8	19.3
2 11	11 12.87	+ 2 19.5	2.069	2.983	8.6	19.0
2 21	11 6.95	+ 3 26.6	2.014	2.979	4.9	18.8
3 2	11 0.01	+ 4 43.1	1.986	2.976	1.1	18.5
3 12	10 52.85	+ 6 2.4	1.989	2.973	3.1	18.7
3 22	10 46.28	+ 7 17.8	2.020	2.970	7.0	18.9
4 1	10 41.05	+ 8 23.5	2.078	2.967	10.5	19.1
4 11	10 37.67	+ 9 15.6	2.158	2.964	13.5	19.3

357135 2002 AJ_{120} 3 3.8 105.°40 3.°2/29.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 24.32	+10 56.4	1.618	2.479	13.7	20.6
2 11	11 18.22	+12 18.2	1.571	2.499	9.6	20.4
2 21	11 9.96	+13 46.5	1.548	2.519	5.4	20.2
3 2	11 0.46	+15 11.9	1.554	2.539	3.2	20.1
3 12	10 50.94	+16 25.2	1.588	2.558	6.2	20.3
3 22	10 42.54	+17 19.8	1.649	2.576	10.2	20.6
4 1	10 36.17	+17 52.9	1.734	2.594	13.8	20.9
4 11	10 32.35	+18 4.4	1.839	2.611	16.8	21.1

313777 2003 YQ_{19} 3 3.8 98.°96 3.°1/ 1.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 23.52	+11 46.1	1.669	2.531	13.3	21.1
2 11	11 17.65	+12 47.6	1.616	2.545	9.4	20.9
2 21	11 9.65	+13 54.5	1.588	2.559	5.3	20.7
3 2	11 0.42	+14 58.7	1.588	2.573	3.1	20.6
3 12	10 51.12	+15 52.2	1.615	2.586	5.9	20.8
3 22	10 42.87	+16 29.5	1.670	2.599	9.9	21.0
4 1	10 36.57	+16 47.9	1.749	2.612	13.5	21.3
4 11	10 32.76	+16 47.2	1.847	2.625	16.5	21.5

424681 2008 RL_{108} 3 3.8 223.°15 5.°7/27.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 27.59	+24 2.2	2.225	3.076	10.9	21.1
2 11	11 20.31	+24 40.6	2.156	3.069	8.3	20.9
2 21	11 11.06	+25 12.9	2.114	3.063	6.2	20.7
3 2	11 0.64	+25 32.4	2.100	3.056	5.9	20.7
3 12	10 50.08	+25 34.1	2.115	3.049	7.7	20.8
3 22	10 40.39	+25 16.2	2.158	3.042	10.3	20.9
4 1	10 32.43	+24 39.2	2.225	3.034	13.0	21.1
4 11	10 26.75	+23 45.6	2.313	3.026	15.3	21.3

136434 2005 EA_{32} 3 3.8 253.°37 1.°6/ 2.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 23.93	+ 8 39.1	1.789	2.641	13.0	20.1
2 11	11 18.14	+ 9 16.5	1.702	2.626	9.4	19.9
2 21	11 10.10	+10 3.0	1.640	2.611	5.2	19.6
3 2	11 0.53	+10 52.8	1.606	2.595	1.6	19.3
3 12	10 50.53	+11 38.6	1.600	2.579	4.8	19.5
3 22	10 41.26	+12 14.4	1.622	2.562	9.3	19.7
4 1	10 33.75	+12 35.8	1.669	2.545	13.4	19.9
4 11	10 28.73	+12 40.8	1.737	2.528	16.9	20.1

501209 2013 TV_{141} 3 3.8 58.°09 2.°2/ 1.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 21.64	+10 40.4	1.873	2.732	12.3	21.4
2 11	11 16.22	+11 20.4	1.807	2.734	8.7	21.2
2 21	11 8.86	+12 6.3	1.765	2.736	4.8	20.9
3 2	11 0.31	+12 52.0	1.751	2.739	2.2	20.8
3 12	10 51.60	+13 31.1	1.766	2.741	4.9	20.9
3 22	10 43.72	+13 58.6	1.808	2.744	8.8	21.2
4 1	10 37.52	+14 11.4	1.875	2.747	12.4	21.4
4 11	10 33.57	+14 8.8	1.963	2.749	15.4	21.6

272580 2005 VU_{27} 3 3.8 182.°30 0.°0/ 3.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 21.82	+ 4 31.2	2.023	2.863	12.3	21.7
2 11	11 16.26	+ 5 2.2	1.947	2.864	8.9	21.5
2 21	11 8.87	+ 5 44.0	1.896	2.864	5.0	21.3
3 2	11 0.32	+ 6 32.0	1.873	2.864	0.7	21.0
3 12	10 51.56	+ 7 20.4	1.880	2.863	3.5	21.2
3 22	10 43.51	+ 8 3.7	1.915	2.863	7.6	21.4
4 1	10 37.01	+ 8 37.5	1.977	2.861	11.2	21.7
4 11	10 32.61	+ 8 58.7	2.061	2.860	14.3	21.9

108933 2001 PD_{23} 3 3.8 269.°69 0.°5/ 4.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 22.37	+ 4 26.7	2.211	3.046	11.6	19.8
2 11	11 16.61	+ 4 29.6	2.121	3.035	8.4	19.5
2 21	11 9.07	+ 4 41.3	2.057	3.024	4.8	19.3
3 2	11 0.36	+ 4 58.6	2.022	3.012	1.0	19.0
3 12	10 51.36	+ 5 17.8	2.016	3.001	3.2	19.1
3 22	10 42.96	+ 5 34.8	2.040	2.989	7.0	19.3
4 1	10 35.96	+ 5 46.1	2.090	2.978	10.6	19.5
4 11	10 30.95	+ 5 49.0	2.163	2.966	13.6	19.7

405244 2003 SV_{154} 3 3.8 185.°56 1.°4/ 5.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 23.02	− 0 35.8	2.269	3.084	12.0	22.4
2 11	11 16.99	− 0 4.9	2.185	3.085	8.9	22.1
2 21	11 9.23	+ 0 39.9	2.125	3.084	5.4	21.9
3 2	11 0.38	+ 1 35.2	2.095	3.083	1.9	21.7
3 12	10 51.30	+ 2 35.8	2.096	3.080	3.0	21.8
3 22	10 42.84	+ 3 35.8	2.127	3.077	6.7	22.0
4 1	10 35.78	+ 4 30.1	2.185	3.073	10.2	22.2
4 11	10 30.66	+ 5 14.5	2.267	3.068	13.1	22.4

317851 2003 TC_{15} 3 3.8 189.°47 0.°7/ 3.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 22.94	+ 5 35.5	2.027	2.868	12.2	21.8
2 11	11 17.10	+ 6 25.8	1.949	2.867	8.8	21.5
2 21	11 9.36	+ 7 26.9	1.897	2.866	4.8	21.3
3 2	11 0.41	+ 8 33.4	1.873	2.864	0.9	21.0
3 12	10 51.22	+ 9 38.5	1.880	2.861	3.9	21.2
3 22	10 42.74	+10 35.7	1.915	2.857	8.0	21.5
4 1	10 35.82	+11 20.5	1.977	2.853	11.6	21.7
4 11	10 31.05	+11 50.0	2.061	2.847	14.7	21.9

300174 2006 WM_{11} 3 3.8 180.°20 7.°5/14.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 18.94	−23 38.3	2.909	3.578	12.9	20.6
2 11	11 13.92	−24 7.3	2.816	3.579	11.3	20.5
2 21	11 7.48	−24 15.5	2.744	3.579	9.7	20.4
3 2	11 0.12	−24 1.4	2.695	3.579	8.3	20.3
3 12	10 52.53	−23 26.0	2.672	3.579	7.5	20.2
3 22	10 45.39	−22 32.4	2.677	3.578	7.8	20.3
4 1	10 39.35	−21 25.4	2.707	3.578	9.0	20.3
4 11	10 34.91	−20 11.4	2.762	3.577	10.7	20.4

221226 2005 UQ_{138} 3 3.8 40.°91 1.°0/ 4.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 20.03	+ 1 19.1	1.687	2.530	14.2	20.4
2 11	11 15.24	+ 1 49.7	1.618	2.534	10.4	20.1
2 21	11 8.39	+ 2 36.0	1.573	2.539	6.1	19.9
3 2	11 0.27	+ 3 33.3	1.554	2.543	1.6	19.6
3 12	10 51.94	+ 4 34.7	1.563	2.548	3.6	19.7
3 22	10 44.47	+ 5 32.7	1.599	2.554	8.1	20.0
4 1	10 38.76	+ 6 21.3	1.660	2.559	12.2	20.3
4 11	10 35.41	+ 6 56.1	1.743	2.565	15.6	20.5

281843 2010 CS_{24} 3 3.8 63.°58 0.°6/ 3.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 19.44	+ 5 39.0	1.977	2.825	12.2	21.2
2 11	11 14.58	+ 6 21.9	1.906	2.828	8.7	21.0
2 21	11 7.94	+ 7 15.3	1.860	2.830	4.8	20.7
3 2	11 0.19	+ 8 13.7	1.842	2.832	0.8	20.4
3 12	10 52.27	+ 9 10.9	1.853	2.835	3.8	20.7
3 22	10 45.07	+10 0.7	1.892	2.837	7.8	20.9
4 1	10 39.39	+10 38.8	1.957	2.840	11.4	21.1
4 11	10 35.76	+11 2.6	2.043	2.842	14.4	21.3

29593 1998 FA_{129} 3 3.8 141.°18 0.°4/ 3.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 21.18	+ 6 42.4	2.483	3.322	10.3	18.5
2 11	11 15.48	+ 6 59.0	2.410	3.327	7.4	18.4
2 21	11 8.31	+ 7 22.1	2.363	3.332	4.1	18.2
3 2	11 0.25	+ 7 48.1	2.346	3.336	0.6	17.9
3 12	10 52.07	+ 8 13.2	2.359	3.341	3.1	18.1
3 22	10 44.50	+ 8 33.7	2.401	3.345	6.5	18.3
4 1	10 38.22	+ 8 46.7	2.471	3.349	9.5	18.5
4 11	10 33.67	+ 8 50.6	2.564	3.353	12.1	18.7

349299 2007 TE_{448} 3 3.8 99.°06 2.°9/29.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 21.96	+14 23.7	2.225	3.081	10.7	20.8
2 11	11 16.17	+14 59.5	2.162	3.088	7.6	20.6
2 21	11 8.73	+15 36.7	2.126	3.094	4.5	20.4
3 2	11 0.32	+16 10.2	2.118	3.100	2.9	20.3
3 12	10 51.82	+16 34.9	2.140	3.107	5.1	20.4
3 22	10 44.07	+16 47.4	2.190	3.113	8.2	20.6
4 1	10 37.81	+16 46.2	2.266	3.119	11.2	20.8
4 11	10 33.51	+16 31.0	2.363	3.125	13.7	21.0

492861 2014 QY_{358} 3 3.8 159.°05 0.°1/ 3.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 24.20	+ 4 4.2	2.140	2.972	12.0	22.5
2 11	11 17.84	+ 4 34.3	2.068	2.981	8.7	22.3
2 21	11 9.69	+ 5 14.7	2.022	2.988	4.9	22.1
3 2	11 0.47	+ 6 1.1	2.004	2.995	0.8	21.8
3 12	10 51.10	+ 6 47.9	2.017	3.001	3.3	22.0
3 22	10 42.47	+ 7 30.1	2.060	3.006	7.2	22.3
4 1	10 35.38	+ 8 3.4	2.129	3.010	10.7	22.5
4 11	10 30.36	+ 8 25.2	2.222	3.014	13.6	22.7

340672 2006 RJ_{42} 3 3.8 10.°05 1.°6/ 2.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 20.09	+ 9 49.6	2.035	2.891	11.6	20.3
2 11	11 15.01	+10 18.7	1.966	2.892	8.2	20.0
2 21	11 8.16	+10 53.5	1.922	2.893	4.5	19.8
3 2	11 0.24	+11 29.2	1.906	2.895	1.6	19.6
3 12	10 52.17	+12 0.1	1.919	2.897	4.3	19.8
3 22	10 44.84	+12 22.1	1.959	2.899	8.0	20.0
4 1	10 39.02	+12 32.0	2.026	2.901	11.4	20.2
4 11	10 35.23	+12 28.8	2.113	2.904	14.3	20.4

467170 2016 EH_{109} 3 3.8 249.°04 3.°7/29.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 22.69	+14 22.4	1.963	2.823	11.7	21.1
2 11	11 17.11	+15 25.7	1.881	2.808	8.4	20.9
2 21	11 9.47	+16 33.4	1.825	2.793	5.1	20.7
3 2	11 0.47	+17 38.1	1.797	2.777	3.8	20.5
3 12	10 51.10	+18 32.1	1.798	2.761	6.3	20.7
3 22	10 42.42	+19 9.8	1.827	2.745	10.0	20.8
4 1	10 35.37	+19 28.3	1.880	2.728	13.4	21.0
4 11	10 30.61	+19 27.2	1.953	2.710	16.4	21.2

226793 2004 RT_{182} 3 3.8 139.°15 3.°3/ 7.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 18.85	− 7 31.4	2.145	2.940	13.3	20.5
2 11	11 14.07	− 6 55.1	2.066	2.946	10.4	20.3
2 21	11 7.63	− 5 58.7	2.011	2.953	7.1	20.1
3 2	11 0.17	− 4 45.0	1.983	2.960	4.0	19.9
3 12	10 52.53	− 3 19.6	1.985	2.966	3.8	19.9
3 22	10 45.55	− 1 49.8	2.016	2.971	6.6	20.1
4 1	10 39.97	− 0 22.8	2.074	2.977	9.9	20.3
4 11	10 36.29	+ 0 55.1	2.157	2.982	12.9	20.5

385112 2012 VC_{107} 3 3.8 211.°45 1.°9/ 5.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 18.74	− 1 50.1	2.543	3.355	10.9	21.6
2 11	11 13.81	− 1 32.6	2.455	3.351	8.2	21.4
2 21	11 7.43	− 1 2.5	2.392	3.347	5.2	21.2
3 2	11 0.14	− 0 22.1	2.358	3.343	2.3	21.0
3 12	10 52.64	+ 0 24.5	2.354	3.338	2.8	21.1
3 22	10 45.65	+ 1 12.8	2.380	3.333	5.9	21.3
4 1	10 39.81	+ 1 58.3	2.433	3.328	9.0	21.4
4 11	10 35.61	+ 2 37.1	2.511	3.323	11.7	21.6

94956 2001 YD_{92} 3 3.8 131.°53 1.°3/ 2.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 25.70	+ 7 27.7	1.826	2.672	13.1	20.0
2 11	11 19.07	+ 8 14.2	1.766	2.688	9.3	19.8
2 21	11 10.42	+ 9 9.6	1.733	2.703	5.1	19.6
3 2	11 0.59	+10 7.5	1.727	2.717	1.3	19.3
3 12	10 50.69	+11 0.7	1.752	2.731	4.4	19.6
3 22	10 41.77	+11 43.5	1.805	2.744	8.6	19.9
4 1	10 34.69	+12 12.2	1.883	2.756	12.3	20.1
4 11	10 29.99	+12 25.3	1.983	2.767	15.3	20.3

467500 2006 WU_{199} 3 3.8 173.°56 7.°2/21.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 23.21	+36 25.2	3.153	3.978	8.7	22.0
2 11	11 16.87	+37 35.1	3.112	3.981	7.6	21.9
2 21	11 9.05	+38 33.7	3.098	3.984	7.2	21.9
3 2	11 0.38	+39 15.4	3.111	3.986	7.6	21.9
3 12	10 51.64	+39 36.8	3.151	3.987	8.7	22.0
3 22	10 43.57	+39 37.0	3.215	3.988	10.1	22.1
4 1	10 36.82	+39 17.0	3.300	3.989	11.5	22.2
4 11	10 31.84	+38 39.3	3.404	3.989	12.7	22.3

6133 Royaldutchastro 3 3.8 258.°29 1.°2/ 4.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 21.60	+ 0 36.3	1.850	2.682	13.6	18.4
2 11	11 16.44	+ 1 4.3	1.756	2.666	10.1	18.1
2 21	11 9.16	+ 1 48.4	1.687	2.650	6.1	17.8
3 2	11 0.44	+ 2 45.1	1.644	2.633	1.9	17.5
3 12	10 51.27	+ 3 48.0	1.631	2.616	3.6	17.6
3 22	10 42.72	+ 4 50.2	1.645	2.598	8.1	17.8
4 1	10 35.79	+ 5 44.9	1.685	2.580	12.2	18.0
4 11	10 31.16	+ 6 27.2	1.747	2.562	15.9	18.2

393800 2005 QC_{20} 3 3.8 122.°15 0.°0/ 3.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 24.72	+ 2 40.9	1.600	2.441	14.9	21.5
2 11	11 18.59	+ 3 36.3	1.541	2.458	10.7	21.3
2 21	11 10.24	+ 4 47.4	1.506	2.474	6.0	21.0
3 2	11 0.58	+ 6 7.2	1.499	2.490	0.9	20.7
3 12	10 50.82	+ 7 26.7	1.521	2.505	4.1	21.0
3 22	10 42.13	+ 8 37.7	1.570	2.519	8.8	21.3
4 1	10 35.45	+ 9 34.0	1.645	2.532	12.9	21.6
4 11	10 31.35	+10 12.5	1.741	2.545	16.3	21.8

151814 2003 FP_{87} 3 3.8 275.°84 0.°4/ 3.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 24.63	+ 6 48.3	1.894	2.739	12.8	19.9
2 11	11 18.58	+ 6 55.5	1.802	2.721	9.3	19.7
2 21	11 10.34	+ 7 10.9	1.734	2.703	5.2	19.4
3 2	11 0.63	+ 7 30.7	1.694	2.685	0.8	19.0
3 12	10 50.47	+ 7 49.9	1.684	2.667	3.9	19.2
3 22	10 40.98	+ 8 3.8	1.702	2.648	8.4	19.4
4 1	10 33.17	+ 8 8.8	1.745	2.630	12.4	19.7
4 11	10 27.73	+ 8 2.5	1.810	2.611	15.9	19.8

90197 2003 AW_{58} 3 3.8 48.°48 6.°3/26.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 19.48	+18 12.8	1.584	2.461	13.1	19.1
2 11	11 15.04	+20 16.1	1.536	2.468	9.5	18.9
2 21	11 8.35	+22 20.0	1.512	2.474	6.8	18.8
3 2	11 0.30	+24 12.3	1.517	2.481	6.7	18.8
3 12	10 52.07	+25 42.0	1.548	2.488	9.4	18.9
3 22	10 44.84	+26 43.0	1.603	2.495	12.8	19.2
4 1	10 39.55	+27 13.6	1.680	2.502	15.9	19.4
4 11	10 36.82	+27 15.9	1.775	2.510	18.6	19.6

501042 2013 RD_{82} 3 3.8 187.°09 0.°5/ 4.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 21.09	+ 2 39.2	2.078	2.912	12.2	22.0
2 11	11 15.73	+ 3 8.6	1.999	2.912	8.9	21.8
2 21	11 8.60	+ 3 50.2	1.946	2.912	5.1	21.6
3 2	11 0.34	+ 4 39.7	1.921	2.911	1.1	21.3
3 12	10 51.86	+ 5 31.7	1.925	2.910	3.2	21.5
3 22	10 44.06	+ 6 20.4	1.958	2.908	7.2	21.7
4 1	10 37.74	+ 7 1.0	2.018	2.907	10.8	21.9
4 11	10 33.44	+ 7 30.1	2.100	2.905	13.9	22.1

423757 2006 DZ_{45} 3 3.8 80.°59 0.°2/ 3.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 19.27	+ 4 0.4	1.934	2.779	12.5	21.3
2 11	11 14.50	+ 4 47.2	1.864	2.784	9.0	21.1
2 21	11 7.92	+ 5 46.2	1.819	2.788	5.0	20.8
3 2	11 0.23	+ 6 52.0	1.802	2.793	0.7	20.5
3 12	10 52.37	+ 7 57.9	1.814	2.798	3.6	20.8
3 22	10 45.26	+ 8 57.3	1.854	2.802	7.7	21.0
4 1	10 39.68	+ 9 45.0	1.920	2.807	11.4	21.3
4 11	10 36.18	+10 18.0	2.008	2.811	14.5	21.5

293335 2007 DW_{79} 3 3.8 95.°45 1.°0/ 2.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 19.90	+ 5 14.7	1.819	2.669	13.0	21.2
2 11	11 14.99	+ 6 23.3	1.757	2.680	9.2	21.0
2 21	11 8.20	+ 7 44.2	1.721	2.692	5.0	20.7
3 2	11 0.27	+ 9 10.1	1.712	2.703	1.0	20.5
3 12	10 52.22	+10 32.7	1.733	2.714	4.2	20.7
3 22	10 45.01	+11 44.8	1.782	2.725	8.4	21.0
4 1	10 39.46	+12 41.0	1.856	2.735	12.1	21.3
4 11	10 36.09	+13 18.8	1.952	2.746	15.2	21.5

175018 2004 FC_{20} 3 3.8 321.°95 1.°7/ 5.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 17.54	− 0 38.6	1.957	2.789	13.0	19.6
2 11	11 13.37	− 0 15.3	1.870	2.778	9.7	19.4
2 21	11 7.36	+ 0 23.9	1.806	2.767	6.0	19.2
3 2	11 0.16	+ 1 15.5	1.769	2.756	2.3	18.9
3 12	10 52.65	+ 2 14.2	1.761	2.746	3.3	18.9
3 22	10 45.75	+ 3 13.5	1.780	2.736	7.3	19.2
4 1	10 40.30	+ 4 7.2	1.825	2.727	11.1	19.4
4 11	10 36.89	+ 4 50.4	1.892	2.717	14.4	19.6

130498 2000 QW_{128} 3 3.8 232.°26 2.°5/ 5.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 24.25	− 1 27.2	1.695	2.520	15.0	20.0
2 11	11 18.45	− 1 24.1	1.609	2.513	11.3	19.7
2 21	11 10.33	− 1 3.7	1.547	2.504	7.2	19.5
3 2	11 0.64	− 0 28.4	1.511	2.496	3.2	19.2
3 12	10 50.52	+ 0 16.5	1.503	2.487	4.0	19.2
3 22	10 41.17	+ 1 4.4	1.522	2.478	8.4	19.5
4 1	10 33.67	+ 1 48.7	1.567	2.468	12.6	19.7
4 11	10 28.74	+ 2 23.6	1.634	2.458	16.4	19.9

152633 1997 GO_{35} 3 3.8 208.°15 2.°4/ 1.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 25.09	+10 8.4	1.715	2.571	13.4	19.9
2 11	11 18.99	+11 2.8	1.640	2.566	9.5	19.6
2 21	11 10.58	+12 5.7	1.590	2.561	5.3	19.4
3 2	11 0.67	+13 9.4	1.567	2.555	2.4	19.2
3 12	10 50.43	+14 5.9	1.573	2.548	5.6	19.4
3 22	10 41.06	+14 48.5	1.607	2.541	9.9	19.6
4 1	10 33.60	+15 13.4	1.665	2.533	13.9	19.8
4 11	10 28.72	+15 19.3	1.744	2.524	17.2	20.0

48193 2001 HO_{58} 3 3.8 124.°18 3.°0/28.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 19.06	+13 27.1	2.597	3.452	9.4	19.3
2 11	11 13.95	+15 0.7	2.543	3.468	6.6	19.1
2 21	11 7.46	+16 37.2	2.517	3.484	4.0	19.0
3 2	11 0.17	+18 10.0	2.522	3.499	3.1	18.9
3 12	10 52.78	+19 32.8	2.558	3.514	5.1	19.1
3 22	10 45.98	+20 40.8	2.623	3.529	7.8	19.3
4 1	10 40.40	+21 31.4	2.715	3.543	10.4	19.5
4 11	10 36.45	+22 4.3	2.828	3.556	12.5	19.7

522506 2016 EO_{233} 3 3.8 197.°52 1.°7/ 5.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 19.32	− 1 58.4	2.250	3.067	12.0	21.7
2 11	11 14.40	− 1 20.0	2.165	3.065	9.0	21.5
2 21	11 7.83	− 0 26.1	2.105	3.062	5.6	21.3
3 2	11 0.24	+ 0 39.8	2.073	3.059	2.2	21.1
3 12	10 52.41	+ 1 52.2	2.071	3.056	3.0	21.1
3 22	10 45.16	+ 3 4.9	2.098	3.052	6.6	21.3
4 1	10 39.23	+ 4 11.8	2.153	3.048	10.0	21.5
4 11	10 35.14	+ 5 8.4	2.232	3.043	13.0	21.7

320517 2007 YT_{8} 3 3.8 313.°14 0.°2/ 3.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 23.84	+ 5 43.2	1.530	2.383	14.8	20.5
2 11	11 18.27	+ 5 56.8	1.455	2.378	10.7	20.3
2 21	11 10.24	+ 6 22.0	1.404	2.374	6.0	20.0
3 2	11 0.63	+ 6 53.9	1.379	2.369	0.9	19.6
3 12	10 50.67	+ 7 26.0	1.381	2.365	4.4	19.9
3 22	10 41.66	+ 7 51.9	1.409	2.361	9.3	20.1
4 1	10 34.70	+ 8 6.9	1.462	2.357	13.8	20.4
4 11	10 30.48	+ 8 8.2	1.535	2.353	17.5	20.6

216930 1998 SD_{69} 3 3.8 238.°61 3.°3/ 6.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 26.00	− 3 14.5	1.748	2.562	15.1	21.1
2 11	11 19.79	− 3 19.0	1.652	2.547	11.6	20.8
2 21	11 11.14	− 3 5.3	1.579	2.531	7.7	20.6
3 2	11 0.80	− 2 34.8	1.533	2.515	3.9	20.3
3 12	10 49.87	− 1 51.9	1.515	2.498	4.4	20.3
3 22	10 39.62	− 1 2.8	1.526	2.480	8.5	20.5
4 1	10 31.16	− 0 14.6	1.562	2.461	12.8	20.7
4 11	10 25.32	+ 0 26.2	1.620	2.442	16.6	20.9

411427 2010 VR_{212} 3 3.8 77.°97 3.°9/ 7.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 18.63	− 8 30.6	1.686	2.491	15.9	21.3
2 11	11 14.26	− 7 43.7	1.614	2.500	12.4	21.1
2 21	11 7.88	− 6 30.3	1.565	2.509	8.5	20.9
3 2	11 0.26	− 4 54.1	1.541	2.518	4.8	20.7
3 12	10 52.44	− 3 3.2	1.545	2.527	4.4	20.6
3 22	10 45.47	− 1 7.9	1.577	2.536	7.7	20.9
4 1	10 40.23	+ 0 41.6	1.635	2.545	11.6	21.1
4 11	10 37.30	+ 2 17.2	1.716	2.554	15.1	21.3

470899 2009 CH_{36} 3 3.8 137.°76 3.°5/28.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 18.63	+14 50.8	2.285	3.147	10.2	21.2
2 11	11 13.86	+16 6.9	2.222	3.150	7.3	21.1
2 21	11 7.51	+17 25.5	2.186	3.153	4.5	20.9
3 2	11 0.19	+18 40.1	2.179	3.156	3.6	20.8
3 12	10 52.73	+19 43.9	2.202	3.159	5.8	21.0
3 22	10 45.92	+20 32.4	2.252	3.162	8.7	21.2
4 1	10 40.45	+21 2.9	2.328	3.165	11.5	21.3
4 11	10 36.82	+21 15.4	2.424	3.168	13.9	21.5

236935 2007 TE_{254} 3 3.8 122.°08 3.°4/ 7.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 17.55	− 7 52.4	2.339	3.130	12.5	20.6
2 11	11 13.06	− 7 25.5	2.258	3.135	9.8	20.4
2 21	11 7.05	− 6 40.2	2.201	3.140	6.8	20.2
3 2	11 0.13	− 5 38.8	2.171	3.145	4.1	20.0
3 12	10 53.04	− 4 26.1	2.171	3.150	3.7	20.0
3 22	10 46.53	− 3 8.0	2.200	3.155	6.2	20.2
4 1	10 41.27	− 1 50.8	2.256	3.159	9.2	20.4
4 11	10 37.74	− 0 40.4	2.337	3.164	11.9	20.6

9305 Hazard 3 3.8 210.°72 2.°1/ 2.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 25.07	+ 8 42.2	1.670	2.524	13.7	18.6
2 11	11 19.06	+ 9 42.6	1.593	2.518	9.8	18.4
2 21	11 10.67	+10 53.6	1.540	2.511	5.4	18.1
3 2	11 0.72	+12 7.7	1.515	2.504	2.1	17.8
3 12	10 50.39	+13 15.9	1.519	2.496	5.4	18.0
3 22	10 40.92	+14 10.6	1.551	2.487	10.0	18.3
4 1	10 33.39	+14 47.1	1.607	2.477	14.1	18.5
4 11	10 28.50	+15 3.6	1.683	2.467	17.6	18.7

368244 2001 VJ_{105} 3 3.8 144.°65 6.°0/10.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 21.69	−14 9.4	2.209	2.960	14.3	21.1
2 11	11 16.13	−14 19.7	2.129	2.969	11.8	20.9
2 21	11 8.82	−14 8.0	2.071	2.978	9.1	20.8
3 2	11 0.42	−13 34.2	2.039	2.986	6.8	20.6
3 12	10 51.80	−12 41.5	2.034	2.993	6.0	20.6
3 22	10 43.86	−11 35.1	2.058	3.000	7.5	20.7
4 1	10 37.37	−10 22.0	2.109	3.007	10.0	20.9
4 11	10 32.86	− 9 9.5	2.183	3.013	12.6	21.0

239689 2008 YC_{104} 3 3.8 288.°46 1.°1/ 2.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 18.98	+ 7 32.2	2.136	2.987	11.3	20.7
2 11	11 14.27	+ 8 13.5	2.053	2.976	8.1	20.5
2 21	11 7.83	+ 9 3.3	1.995	2.966	4.4	20.2
3 2	11 0.27	+ 9 56.8	1.966	2.956	1.1	20.0
3 12	10 52.46	+10 48.0	1.966	2.945	3.9	20.2
3 22	10 45.24	+11 31.5	1.994	2.935	7.7	20.4
4 1	10 39.40	+12 3.2	2.048	2.925	11.2	20.6
4 11	10 35.51	+12 20.9	2.124	2.915	14.2	20.8

511675 2015 BK_{424} 3 3.8 100.°38 0.°2/ 4.0 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 19.82	+ 3 23.5	2.044	2.884	12.2	21.9
2 11	11 14.82	+ 3 59.2	1.974	2.890	8.8	21.7
2 21	11 8.08	+ 4 46.6	1.929	2.896	5.0	21.5
3 2	11 0.31	+ 5 41.0	1.911	2.902	0.9	21.2
3 12	10 52.37	+ 6 36.4	1.923	2.908	3.3	21.4
3 22	10 45.15	+ 7 27.2	1.964	2.913	7.2	21.6
4 1	10 39.40	+ 8 8.6	2.030	2.919	10.8	21.8
4 11	10 35.65	+ 8 37.6	2.120	2.924	13.8	22.1

233698 2008 SK_{34} 3 3.8 133.°17 0.°7/ 3.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 21.97	+ 3 59.4	1.411	2.268	15.7	20.5
2 11	11 17.01	+ 5 6.0	1.346	2.271	11.3	20.2
2 21	11 9.57	+ 6 30.3	1.303	2.274	6.2	19.9
3 2	11 0.56	+ 8 4.0	1.287	2.277	1.0	19.6
3 12	10 51.27	+ 9 36.2	1.298	2.280	4.9	19.9
3 22	10 43.02	+10 56.7	1.335	2.283	10.1	20.2
4 1	10 36.90	+11 58.3	1.396	2.286	14.6	20.4
4 11	10 33.58	+12 37.7	1.476	2.288	18.4	20.7

331830 2003 UO 3 3.8 226.°59 6.°2/11.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 19.85	−18 13.3	2.781	3.493	12.5	21.6
2 11	11 14.68	−18 19.7	2.673	3.480	10.7	21.4
2 21	11 7.99	−18 5.8	2.588	3.467	8.7	21.3
3 2	11 0.31	−17 30.9	2.527	3.452	6.9	21.1
3 12	10 52.31	−16 36.6	2.495	3.437	6.2	21.0
3 22	10 44.73	−15 26.9	2.492	3.422	7.0	21.1
4 1	10 38.23	−14 7.3	2.516	3.405	8.9	21.2
4 11	10 33.36	−12 44.6	2.566	3.388	11.2	21.3

349913 2009 KX_{8} 3 3.8 325.°55 0.°6/ 3.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 16.92	+ 5 20.4	2.162	3.010	11.3	20.6
2 11	11 12.75	+ 6 7.7	2.081	3.003	8.1	20.3
2 21	11 6.96	+ 7 5.6	2.026	2.996	4.4	20.1
3 2	11 0.14	+ 8 9.1	1.999	2.989	0.7	19.8
3 12	10 53.09	+ 9 12.1	2.001	2.983	3.5	20.0
3 22	10 46.63	+10 8.8	2.032	2.977	7.3	20.2
4 1	10 41.48	+10 54.4	2.088	2.971	10.8	20.4
4 11	10 38.17	+11 26.0	2.167	2.966	13.7	20.6

317462 2002 RS_{68} 3 3.8 151.°81 2.°3/ 6.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 20.62	− 7 51.7	1.202	2.030	19.7	20.2
2 11	11 16.42	− 5 49.3	1.129	2.034	15.0	19.9
2 21	11 9.40	− 3 4.1	1.079	2.037	9.4	19.6
3 2	11 0.55	+ 0 14.4	1.053	2.040	3.5	19.3
3 12	10 51.30	+ 3 47.4	1.057	2.043	4.6	19.4
3 22	10 43.19	+ 7 12.9	1.088	2.046	10.5	19.7
4 1	10 37.47	+10 12.2	1.144	2.048	16.0	20.0
4 11	10 34.89	+12 34.9	1.220	2.049	20.5	20.3

349882 2009 DZ_{84} 3 3.8 272.°09 3.°0/29.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 20.18	+14 38.1	2.349	3.206	10.1	21.1
2 11	11 15.00	+15 21.6	2.271	3.197	7.2	20.9
2 21	11 8.17	+16 7.4	2.219	3.188	4.3	20.7
3 2	11 0.33	+16 50.0	2.197	3.178	3.1	20.6
3 12	10 52.27	+17 24.1	2.204	3.168	5.2	20.7
3 22	10 44.82	+17 45.8	2.239	3.159	8.3	20.9
4 1	10 38.70	+17 53.0	2.299	3.149	11.2	21.1
4 11	10 34.43	+17 45.3	2.381	3.140	13.8	21.3

449181 2013 BA_{80} 3 3.8 83.°92 2.°1/ 2.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 23.25	+ 7 2.6	1.350	2.213	15.8	21.4
2 11	11 17.83	+ 8 21.1	1.301	2.231	11.1	21.2
2 21	11 9.94	+ 9 52.7	1.275	2.248	6.0	21.0
3 2	11 0.60	+11 27.1	1.275	2.265	2.1	20.7
3 12	10 51.20	+12 52.8	1.303	2.281	5.8	21.0
3 22	10 43.05	+14 1.1	1.357	2.298	10.6	21.3
4 1	10 37.17	+14 47.0	1.433	2.314	14.9	21.6
4 11	10 34.12	+15 9.3	1.529	2.331	18.3	21.9

391332 2006 UP_{12} 3 3.8 61.°81 6.°2/25.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 22.02	+25 36.7	2.295	3.153	10.3	21.0
2 11	11 16.29	+26 36.1	2.243	3.157	8.0	20.8
2 21	11 8.85	+27 28.7	2.218	3.161	6.4	20.7
3 2	11 0.43	+28 7.8	2.220	3.165	6.4	20.7
3 12	10 51.93	+28 28.5	2.250	3.170	8.1	20.8
3 22	10 44.25	+28 28.7	2.306	3.174	10.4	21.0
4 1	10 38.11	+28 8.5	2.385	3.178	12.7	21.1
4 11	10 34.01	+27 30.4	2.484	3.183	14.7	21.3

416235 2003 BZ_{5} 3 3.8 344.°27 10.°4/22.5 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 13.11	+22 58.8	1.101	2.002	15.5	19.5
2 11	11 11.41	+25 29.9	1.045	1.983	12.2	19.2
2 21	11 6.78	+28 0.1	1.011	1.966	10.4	19.1
3 2	11 0.15	+30 10.6	1.000	1.951	11.5	19.1
3 12	10 53.05	+31 45.0	1.011	1.938	14.7	19.2
3 22	10 47.08	+32 34.6	1.041	1.926	18.6	19.4
4 1	10 43.64	+32 38.1	1.088	1.917	22.2	19.6
4 11	10 43.50	+32 0.6	1.147	1.910	25.4	19.8

204470 2005 AU_{26} 3 3.8 357.°10 1.°0/ 4.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 17.19	+ 0 19.8	1.227	2.088	17.2	19.5
2 11	11 13.87	+ 1 9.9	1.160	2.084	12.7	19.2
2 21	11 7.94	+ 2 24.2	1.113	2.082	7.4	18.9
3 2	11 0.32	+ 3 56.0	1.091	2.081	1.8	18.5
3 12	10 52.35	+ 5 33.8	1.094	2.080	4.5	18.7
3 22	10 45.41	+ 7 5.6	1.121	2.081	10.1	19.0
4 1	10 40.69	+ 8 21.3	1.171	2.082	15.1	19.3
4 11	10 38.89	+ 9 14.8	1.240	2.084	19.3	19.5

181252 2005 UD_{255} 3 3.8 254.°92 0.°8/ 2.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 18.24	+ 7 2.6	2.595	3.438	9.8	21.2
2 11	11 13.49	+ 7 40.3	2.507	3.427	7.0	21.0
2 21	11 7.31	+ 8 25.3	2.446	3.416	3.8	20.8
3 2	11 0.21	+ 9 13.7	2.414	3.404	0.8	20.5
3 12	10 52.89	+10 0.8	2.412	3.392	3.3	20.7
3 22	10 46.05	+10 42.1	2.440	3.380	6.6	20.9
4 1	10 40.33	+11 14.2	2.494	3.368	9.6	21.1
4 11	10 36.22	+11 34.9	2.572	3.356	12.2	21.2

471126 2010 DL_{5} 3 3.8 316.°56 2.°1/ 5.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 22.06	+ 1 3.0	1.744	2.580	14.1	20.4
2 11	11 16.93	+ 0 47.9	1.650	2.561	10.6	20.1
2 21	11 9.54	+ 0 45.7	1.579	2.541	6.6	19.8
3 2	11 0.59	+ 0 54.7	1.535	2.522	2.6	19.5
3 12	10 51.14	+ 1 10.9	1.519	2.504	3.8	19.6
3 22	10 42.33	+ 1 29.5	1.529	2.486	8.2	19.8
4 1	10 35.22	+ 1 45.3	1.565	2.468	12.5	20.0
4 11	10 30.58	+ 1 54.0	1.622	2.451	16.2	20.2

80403 1999 XH_{182} 3 3.8 72.°76 0.°6/ 4.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 27.15	+ 4 5.3	1.272	2.126	17.2	18.3
2 11	11 20.86	+ 4 8.8	1.213	2.135	12.5	18.0
2 21	11 11.75	+ 4 27.0	1.176	2.145	7.1	17.7
3 2	11 0.91	+ 4 54.8	1.164	2.154	1.5	17.4
3 12	10 49.90	+ 5 25.0	1.178	2.163	4.6	17.6
3 22	10 40.21	+ 5 50.5	1.218	2.173	10.0	18.0
4 1	10 33.06	+ 6 6.0	1.281	2.182	14.8	18.3
4 11	10 29.07	+ 6 8.3	1.363	2.192	18.8	18.5

195202 2002 CF_{301} 3 3.8 262.°31 0.°6/ 4.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 22.14	+ 3 31.7	1.928	2.767	12.8	20.3
2 11	11 16.67	+ 3 45.0	1.847	2.762	9.4	20.1
2 21	11 9.23	+ 4 9.6	1.790	2.757	5.4	19.8
3 2	11 0.52	+ 4 41.9	1.761	2.752	1.2	19.5
3 12	10 51.54	+ 5 16.7	1.761	2.746	3.4	19.7
3 22	10 43.27	+ 5 48.7	1.790	2.741	7.7	19.9
4 1	10 36.60	+ 6 13.5	1.844	2.736	11.5	20.1
4 11	10 32.14	+ 6 27.7	1.920	2.730	14.8	20.3

266296 2007 BZ_{52} 3 3.8 316.°35 1.°6/ 5.0 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 23.27	+ 1 51.6	1.651	2.491	14.6	20.5
2 11	11 17.78	+ 1 44.7	1.570	2.483	10.9	20.2
2 21	11 9.98	+ 1 51.3	1.512	2.476	6.5	20.0
3 2	11 0.66	+ 2 8.6	1.480	2.469	2.2	19.7
3 12	10 50.96	+ 2 31.9	1.476	2.462	3.8	19.8
3 22	10 42.07	+ 2 55.6	1.499	2.455	8.4	20.0
4 1	10 35.05	+ 3 14.4	1.547	2.448	12.7	20.2
4 11	10 30.61	+ 3 24.3	1.616	2.442	16.4	20.5

357563 2004 TF_{79} 3 3.8 110.°60 3.°5/29.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 27.76	+13 37.1	1.735	2.591	13.2	21.3
2 11	11 20.58	+14 33.7	1.689	2.614	9.3	21.1
2 21	11 11.28	+15 32.8	1.668	2.636	5.4	21.0
3 2	11 0.82	+16 26.5	1.675	2.658	3.5	20.9
3 12	10 50.41	+17 7.7	1.712	2.679	6.1	21.1
3 22	10 41.17	+17 32.0	1.776	2.699	9.9	21.3
4 1	10 33.98	+17 37.9	1.864	2.718	13.3	21.6
4 11	10 29.32	+17 26.4	1.973	2.736	16.1	21.8

309339 2007 TA_{6} 3 3.8 144.°56 0.°3/ 4.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 24.19	+ 3 8.2	1.907	2.741	13.1	21.8
2 11	11 18.02	+ 3 44.0	1.839	2.752	9.5	21.5
2 21	11 9.91	+ 4 32.2	1.796	2.762	5.4	21.3
3 2	11 0.63	+ 5 28.0	1.782	2.772	1.0	21.0
3 12	10 51.19	+ 6 24.8	1.797	2.781	3.5	21.2
3 22	10 42.61	+ 7 16.5	1.841	2.789	7.7	21.5
4 1	10 35.73	+ 7 58.1	1.911	2.796	11.5	21.7
4 11	10 31.11	+ 8 26.4	2.003	2.803	14.6	22.0

500384 2012 TE_{70} 3 3.8 120.°78 0.°9/ 2.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 19.54	+ 7 38.6	2.604	3.446	9.8	21.8
2 11	11 14.27	+ 8 17.5	2.539	3.459	6.9	21.6
2 21	11 7.66	+ 9 2.6	2.502	3.472	3.8	21.4
3 2	11 0.27	+ 9 49.5	2.494	3.484	0.9	21.2
3 12	10 52.80	+10 33.6	2.517	3.496	3.3	21.4
3 22	10 45.92	+11 11.1	2.569	3.508	6.4	21.7
4 1	10 40.25	+11 39.0	2.649	3.520	9.2	21.9
4 11	10 36.18	+11 55.6	2.752	3.531	11.6	22.0

454473 2014 OT_{91} 3 3.8 279.°75 1.°4/ 5.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 20.50	− 0 40.6	1.424	2.268	16.3	21.2
2 11	11 16.08	+ 0 4.1	1.345	2.260	12.1	20.9
2 21	11 9.15	+ 1 11.9	1.288	2.253	7.3	20.6
3 2	11 0.54	+ 2 37.2	1.256	2.245	2.2	20.3
3 12	10 51.49	+ 4 10.7	1.252	2.238	4.2	20.4
3 22	10 43.32	+ 5 41.7	1.273	2.230	9.4	20.7
4 1	10 37.19	+ 7 0.5	1.318	2.223	14.3	20.9
4 11	10 33.86	+ 8 0.5	1.384	2.215	18.4	21.2

240317 2003 HS_{17} 3 3.8 39.°72 4.°0/29.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 24.47	+13 8.5	1.315	2.189	15.4	20.4
2 11	11 18.94	+14 4.3	1.258	2.192	11.0	20.2
2 21	11 10.69	+15 5.8	1.224	2.196	6.4	19.9
3 2	11 0.76	+16 3.0	1.216	2.200	4.1	19.8
3 12	10 50.64	+16 46.3	1.233	2.204	7.3	20.0
3 22	10 41.78	+17 9.3	1.275	2.209	11.9	20.3
4 1	10 35.34	+17 9.7	1.339	2.213	16.2	20.5
4 11	10 31.94	+16 48.4	1.421	2.218	19.7	20.8

74909 1999 TV_{139} 3 3.8 197.°52 0.°6/ 3.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 23.86	+ 5 56.3	2.032	2.872	12.2	20.8
2 11	11 17.81	+ 6 32.9	1.952	2.869	8.8	20.5
2 21	11 9.84	+ 7 19.4	1.897	2.866	4.9	20.3
3 2	11 0.63	+ 8 10.9	1.871	2.862	0.8	20.0
3 12	10 51.16	+ 9 1.2	1.875	2.857	3.8	20.2
3 22	10 42.39	+ 9 44.8	1.908	2.851	7.9	20.4
4 1	10 35.20	+10 17.2	1.967	2.845	11.6	20.6
4 11	10 30.19	+10 36.1	2.049	2.838	14.7	20.8

118874 2000 TK_{28} 3 3.8 202.°92 1.°5/ 2.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 20.61	+10 30.6	2.569	3.416	9.7	20.6
2 11	11 15.14	+10 58.0	2.492	3.414	6.9	20.4
2 21	11 8.20	+11 29.4	2.442	3.412	3.8	20.2
3 2	11 0.37	+12 1.0	2.421	3.409	1.5	20.0
3 12	10 52.39	+12 28.3	2.431	3.407	3.7	20.1
3 22	10 44.97	+12 48.0	2.470	3.404	6.9	20.3
4 1	10 38.78	+12 57.7	2.536	3.401	9.8	20.5
4 11	10 34.27	+12 56.2	2.625	3.398	12.3	20.7

281364 2008 CH_9 3 3.8 292.°55 0.°8/ 4.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 19.55	+ 2 32.8	2.331	3.163	11.2	20.5
2 11	11 14.61	+ 2 43.6	2.236	3.147	8.2	20.3
2 21	11 8.03	+ 3 4.7	2.167	3.131	4.8	20.1
3 2	11 0.36	+ 3 33.3	2.125	3.115	1.3	19.8
3 12	10 52.39	+ 4 5.3	2.114	3.099	2.9	19.9
3 22	10 44.92	+ 4 36.5	2.131	3.082	6.6	20.1
4 1	10 38.70	+ 5 2.6	2.175	3.066	10.0	20.3
4 11	10 34.29	+ 5 20.5	2.242	3.051	13.0	20.4

64974 Savaria 3 3.8 284.°36 1.°0/ 2.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 18.57	+ 7 32.5	2.352	3.200	10.5	19.4
2 11	11 13.86	+ 8 8.9	2.266	3.188	7.5	19.1
2 21	11 7.58	+ 8 53.0	2.206	3.177	4.1	18.9
3 2	11 0.29	+ 9 40.3	2.175	3.165	1.0	18.6
3 12	10 52.75	+10 25.7	2.174	3.154	3.6	18.8
3 22	10 45.75	+11 4.5	2.201	3.142	7.1	19.0
4 1	10 39.99	+11 33.0	2.255	3.131	10.4	19.2
4 11	10 36.00	+11 49.1	2.331	3.119	13.2	19.4

112142 2002 JV_{61} 3 3.8 240.°16 1.°3/ 2.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 22.38	+ 6 45.5	1.967	2.813	12.3	20.8
2 11	11 16.95	+ 7 45.5	1.876	2.797	8.8	20.5
2 21	11 9.47	+ 8 57.4	1.810	2.781	4.8	20.2
3 2	11 0.61	+10 14.9	1.774	2.763	1.3	19.9
3 12	10 51.33	+11 30.3	1.767	2.745	4.5	20.1
3 22	10 42.65	+12 36.6	1.788	2.727	8.7	20.3
4 1	10 35.52	+13 28.1	1.836	2.707	12.6	20.5
4 11	10 30.61	+14 2.0	1.905	2.687	15.9	20.7

303408 2004 XM_{171} 3 3.8 205.°15 3.°5/ 6.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 23.65	− 5 8.5	1.830	2.637	14.8	20.8
2 11	11 17.91	− 5 0.3	1.744	2.633	11.4	20.6
2 21	11 10.01	− 4 32.1	1.681	2.629	7.7	20.4
3 2	11 0.69	− 3 46.0	1.644	2.623	4.2	20.2
3 12	10 51.00	− 2 46.8	1.636	2.617	4.3	20.1
3 22	10 42.03	− 1 41.6	1.656	2.611	7.8	20.3
4 1	10 34.77	− 0 37.7	1.702	2.603	11.7	20.5
4 11	10 29.89	+ 0 18.1	1.771	2.596	15.2	20.8

235602 2004 PM_{59} 3 3.8 224.°37 0.°2/ 3.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 23.51	+ 3 42.4	1.849	2.688	13.3	21.8
2 11	11 17.83	+ 4 33.2	1.761	2.677	9.7	21.5
2 21	11 9.99	+ 5 38.7	1.697	2.666	5.4	21.2
3 2	11 0.70	+ 6 53.3	1.662	2.653	0.8	20.9
3 12	10 50.99	+ 8 9.3	1.657	2.640	4.0	21.1
3 22	10 41.96	+ 9 19.0	1.680	2.625	8.6	21.3
4 1	10 34.60	+10 16.0	1.728	2.610	12.7	21.5
4 11	10 29.61	+10 56.7	1.799	2.595	16.2	21.7

190988 2001 XD_{215} 3 3.8 97.°24 3.°0/ 6.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 24.37	− 4 31.7	1.607	2.423	16.1	20.0
2 11	11 18.32	− 4 2.2	1.551	2.447	12.2	19.8
2 21	11 10.12	− 3 11.1	1.517	2.470	7.8	19.6
3 2	11 0.68	− 2 2.6	1.510	2.493	3.8	19.4
3 12	10 51.21	− 0 44.4	1.532	2.515	4.1	19.5
3 22	10 42.82	+ 0 34.7	1.581	2.537	8.0	19.8
4 1	10 36.42	+ 1 46.7	1.655	2.558	12.0	20.1
4 11	10 32.54	+ 2 45.8	1.752	2.578	15.3	20.3

175387 2006 LF_7 3 3.8 213.°04 1.°8/ 5.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 24.30	− 0 16.9	2.081	2.900	12.8	20.7
2 11	11 18.16	− 0 6.1	1.991	2.892	9.6	20.4
2 21	11 10.07	+ 0 18.6	1.926	2.884	5.9	20.2
3 2	11 0.70	+ 0 54.4	1.889	2.876	2.3	19.9
3 12	10 50.99	+ 1 36.6	1.882	2.866	3.3	20.0
3 22	10 41.90	+ 2 19.9	1.904	2.856	7.2	20.2
4 1	10 34.34	+ 2 59.1	1.953	2.845	11.0	20.4
4 11	10 28.92	+ 3 29.8	2.025	2.833	14.2	20.6

412531 2014 MS_{39} 3 3.8 239.°24 1.°5/ 2.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 25.48	+ 8 12.1	1.723	2.574	13.5	22.1
2 11	11 19.39	+ 8 50.3	1.637	2.561	9.8	21.8
2 21	11 10.93	+ 9 38.5	1.576	2.547	5.4	21.6
3 2	11 0.85	+10 30.5	1.543	2.532	1.5	21.3
3 12	10 50.32	+11 18.8	1.538	2.517	4.9	21.5
3 22	10 40.56	+11 56.9	1.561	2.502	9.5	21.7
4 1	10 32.67	+12 20.2	1.609	2.486	13.8	21.9
4 11	10 27.38	+12 26.7	1.677	2.469	17.4	22.1

293032 2006 WC_{76} 3 3.8 214.°14 0.°6/ 3.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 18.74	+ 6 40.3	2.875	3.712	9.1	22.1
2 11	11 13.72	+ 7 15.3	2.789	3.705	6.5	21.9
2 21	11 7.40	+ 7 57.0	2.729	3.698	3.6	21.7
3 2	11 0.27	+ 8 41.7	2.700	3.690	0.7	21.4
3 12	10 52.96	+ 9 25.3	2.702	3.682	2.9	21.6
3 22	10 46.09	+10 4.1	2.734	3.674	6.0	21.8
4 1	10 40.25	+10 35.0	2.793	3.665	8.7	21.9
4 11	10 35.88	+10 55.7	2.876	3.656	11.1	22.1

106973 2000 YR_{90} 3 3.8 37.°40 4.°1/ 6.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 22.49	− 4 16.1	1.384	2.214	17.4	19.3
2 11	11 17.43	− 4 25.8	1.318	2.220	13.4	19.1
2 21	11 9.85	− 4 12.9	1.274	2.227	9.0	18.9
3 2	11 0.67	− 3 39.1	1.253	2.234	4.9	18.7
3 12	10 51.23	− 2 50.6	1.259	2.242	5.0	18.7
3 22	10 42.86	− 1 55.4	1.290	2.249	9.0	18.9
4 1	10 36.66	− 1 2.1	1.345	2.258	13.4	19.2
4 11	10 33.31	− 0 17.9	1.420	2.266	17.2	19.4

166635 2002 SD_{34} 3 3.8 135.°40 0.°3/ 3.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 19.87	+ 5 19.3	2.414	3.253	10.6	21.1
2 11	11 14.64	+ 5 57.3	2.345	3.261	7.6	21.0
2 21	11 7.94	+ 6 43.7	2.301	3.270	4.2	20.8
3 2	11 0.36	+ 7 34.4	2.287	3.278	0.6	20.5
3 12	10 52.66	+ 8 24.1	2.303	3.285	3.1	20.7
3 22	10 45.58	+ 9 8.4	2.349	3.293	6.6	20.9
4 1	10 39.77	+ 9 43.6	2.421	3.300	9.7	21.1
4 11	10 35.69	+10 7.3	2.517	3.307	12.3	21.3

269382 2009 QW 3 3.8 162.°66 2.°5/29.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 23.22	+13 57.9	2.721	3.567	9.3	21.2
2 11	11 16.89	+14 45.7	2.655	3.576	6.6	21.0
2 21	11 9.14	+15 35.3	2.616	3.583	3.9	20.8
3 2	11 0.55	+16 21.8	2.608	3.590	2.6	20.7
3 12	10 51.86	+17 0.6	2.632	3.596	4.5	20.9
3 22	10 43.78	+17 28.3	2.685	3.601	7.2	21.1
4 1	10 36.95	+17 43.2	2.765	3.605	9.8	21.2
4 11	10 31.81	+17 44.7	2.868	3.608	12.1	21.4

186056 2001 ST_{67} 3 3.8 69.°63 3.°0/ 6.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 20.38	− 6 19.2	1.692	2.505	15.6	20.2
2 11	11 15.37	− 5 26.2	1.639	2.532	11.8	20.0
2 21	11 8.44	− 4 10.2	1.608	2.559	7.7	19.8
3 2	11 0.44	− 2 36.3	1.604	2.586	3.8	19.6
3 12	10 52.43	− 0 53.4	1.629	2.613	3.8	19.7
3 22	10 45.39	+ 0 49.2	1.681	2.639	7.5	20.0
4 1	10 40.14	+ 2 22.8	1.761	2.666	11.2	20.3
4 11	10 37.14	+ 3 41.2	1.863	2.692	14.4	20.5

331944 2004 TZ_{203} 3 3.8 183.°80 4.°4/ 9.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 19.98	−11 19.2	2.609	3.370	12.1	22.1
2 11	11 14.74	−11 9.1	2.518	3.370	9.8	22.0
2 21	11 8.03	−10 40.8	2.450	3.370	7.2	21.8
3 2	11 0.39	− 9 55.4	2.410	3.370	5.0	21.7
3 12	10 52.53	− 8 55.9	2.400	3.368	4.5	21.6
3 22	10 45.18	− 7 47.4	2.418	3.366	6.2	21.7
4 1	10 39.00	− 6 35.6	2.466	3.364	8.7	21.9
4 11	10 34.48	− 5 26.2	2.538	3.360	11.2	22.1

282091 2000 QL_{158} 3 3.8 178.°87 2.°3/ 7.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 18.88	− 5 8.0	3.337	4.122	9.2	22.4
2 11	11 13.65	− 4 59.2	3.247	4.123	7.1	22.3
2 21	11 7.31	− 4 39.4	3.184	4.125	4.8	22.1
3 2	11 0.28	− 4 10.0	3.149	4.125	2.8	22.0
3 12	10 53.10	− 3 33.6	3.146	4.125	2.7	22.0
3 22	10 46.32	− 2 53.6	3.174	4.125	4.7	22.1
4 1	10 40.43	− 2 13.3	3.231	4.124	7.1	22.2
4 11	10 35.81	− 1 36.0	3.314	4.122	9.2	22.4

176020 2000 SQ_{50} 3 3.8 188.°08 1.°5/ 5.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 18.76	− 1 1.2	2.739	3.551	10.2	20.9
2 11	11 13.77	− 0 43.3	2.653	3.551	7.7	20.7
2 21	11 7.45	− 0 14.2	2.594	3.550	4.8	20.5
3 2	11 0.30	+ 0 23.6	2.563	3.549	2.0	20.3
3 12	10 52.98	+ 1 6.5	2.563	3.547	2.6	20.4
3 22	10 46.14	+ 1 50.4	2.593	3.545	5.5	20.6
4 1	10 40.37	+ 2 31.2	2.650	3.543	8.4	20.7
4 11	10 36.13	+ 3 5.6	2.733	3.541	10.9	20.9

498310 2007 VM_{138} 3 3.8 200.°39 2.°6/ 6.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 17.91	− 4 41.8	2.310	3.116	12.1	21.8
2 11	11 13.39	− 4 16.6	2.225	3.115	9.3	21.6
2 21	11 7.32	− 3 34.9	2.165	3.114	6.1	21.4
3 2	11 0.29	− 2 39.5	2.133	3.114	3.2	21.2
3 12	10 53.04	− 1 35.0	2.130	3.113	3.3	21.2
3 22	10 46.35	− 0 27.2	2.156	3.112	6.2	21.4
4 1	10 40.92	+ 0 38.1	2.209	3.110	9.4	21.6
4 11	10 37.24	+ 1 35.9	2.286	3.109	12.3	21.8

64528 2001 VZ_{105} 3 3.8 252.°15 1.°6/ 5.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 23.29	+ 0 33.1	1.487	2.329	15.8	19.3
2 11	11 18.01	+ 0 50.9	1.410	2.324	11.8	19.0
2 21	11 10.22	+ 1 27.1	1.355	2.319	7.1	18.7
3 2	11 0.77	+ 2 17.5	1.325	2.314	2.3	18.4
3 12	10 50.91	+ 3 14.9	1.323	2.309	4.1	18.5
3 22	10 41.96	+ 4 11.3	1.347	2.303	9.1	18.8
4 1	10 35.07	+ 4 59.2	1.395	2.298	13.7	19.0
4 11	10 30.97	+ 5 33.4	1.464	2.293	17.7	19.3

129123 2004 XY_{142} 3 3.8 224.°94 0.°4/ 3.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 21.70	+ 6 0.7	2.309	3.147	11.0	21.1
2 11	11 16.14	+ 6 29.1	2.222	3.139	7.9	20.9
2 21	11 8.88	+ 7 5.9	2.161	3.130	4.4	20.6
3 2	11 0.54	+ 7 47.1	2.130	3.121	0.7	20.3
3 12	10 51.94	+ 8 27.9	2.129	3.111	3.4	20.5
3 22	10 43.92	+ 9 3.5	2.157	3.101	7.1	20.7
4 1	10 37.22	+ 9 30.1	2.212	3.090	10.5	20.9
4 11	10 32.41	+ 9 45.5	2.289	3.079	13.3	21.1

17652 Nepoti 3 3.8 287.°13 3.°9/ 6.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 23.73	− 4 5.6	1.829	2.641	14.6	18.0
2 11	11 18.00	− 4 31.6	1.743	2.634	11.4	17.8
2 21	11 10.09	− 4 41.1	1.680	2.627	7.7	17.6
3 2	11 0.75	− 4 34.8	1.643	2.620	4.5	17.4
3 12	10 51.01	− 4 15.7	1.634	2.614	4.6	17.4
3 22	10 41.98	− 3 48.5	1.653	2.607	7.9	17.5
4 1	10 34.66	− 3 19.1	1.698	2.601	11.7	17.7
4 11	10 29.72	− 2 53.1	1.764	2.594	15.1	17.9

174673 2003 SO_{255} 3 3.8 100.°24 0.°2/ 4.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 24.56	+ 3 30.0	1.702	2.543	14.2	21.1
2 11	11 18.39	+ 4 5.1	1.646	2.562	10.2	20.9
2 21	11 10.15	+ 4 53.1	1.614	2.582	5.7	20.7
3 2	11 0.74	+ 5 48.4	1.610	2.601	1.0	20.4
3 12	10 51.27	+ 6 43.8	1.635	2.619	3.8	20.6
3 22	10 42.83	+ 7 32.8	1.688	2.637	8.2	20.9
4 1	10 36.30	+ 8 10.4	1.766	2.655	12.1	21.2
4 11	10 32.19	+ 8 33.8	1.865	2.672	15.3	21.4

116934 2004 GF_{31} 3 3.8 277.°86 1.°5/ 5.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 17.96	− 0 46.6	2.337	3.159	11.5	20.0
2 11	11 13.47	− 0 21.3	2.245	3.148	8.6	19.8
2 21	11 7.41	+ 0 17.6	2.177	3.136	5.3	19.6
3 2	11 0.32	+ 1 7.1	2.138	3.125	2.0	19.4
3 12	10 52.96	+ 2 2.6	2.128	3.113	2.9	19.4
3 22	10 46.11	+ 2 58.9	2.148	3.102	6.4	19.6
4 1	10 40.47	+ 3 50.7	2.194	3.090	9.7	19.8
4 11	10 36.58	+ 4 33.8	2.264	3.079	12.7	20.0

148564 2001 QA_{223} 3 3.8 91.°10 0.°9/ 4.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 29.09	+ 4 4.1	1.822	2.653	13.8	20.4
2 11	11 21.48	+ 3 52.7	1.764	2.674	10.0	20.2
2 21	11 11.81	+ 3 51.2	1.731	2.695	5.8	20.0
3 2	11 0.99	+ 3 56.4	1.727	2.716	1.4	19.7
3 12	10 50.17	+ 4 4.1	1.752	2.737	3.5	19.9
3 22	10 40.43	+ 4 10.4	1.807	2.757	7.7	20.2
4 1	10 32.63	+ 4 11.9	1.888	2.776	11.5	20.5
4 11	10 27.31	+ 4 6.2	1.991	2.796	14.6	20.7

320903 2008 GQ_{76} 3 3.8 107.°36 7.°5/25.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 25.86	+25 28.4	1.807	2.668	12.5	20.2
2 11	11 19.41	+26 43.3	1.762	2.677	9.7	20.0
2 21	11 10.75	+27 49.8	1.741	2.686	7.7	19.9
3 2	11 0.83	+28 38.8	1.748	2.695	7.8	19.9
3 12	10 50.88	+29 3.9	1.782	2.703	9.7	20.0
3 22	10 42.04	+29 2.8	1.840	2.712	12.4	20.2
4 1	10 35.25	+28 36.6	1.920	2.720	15.1	20.4
4 11	10 31.03	+27 49.2	2.019	2.728	17.4	20.6

307221 2002 GS_{88} 3 3.8 325.°60 9.°2/24.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 19.96	+22 18.6	1.212	2.100	15.4	19.7
2 11	11 16.26	+24 15.0	1.149	2.083	11.9	19.4
2 21	11 9.52	+26 10.2	1.109	2.066	9.5	19.2
3 2	11 0.69	+27 48.7	1.093	2.050	9.8	19.2
3 12	10 51.35	+28 56.3	1.100	2.035	12.9	19.3
3 22	10 43.15	+29 25.6	1.128	2.021	16.8	19.5
4 1	10 37.50	+29 15.7	1.174	2.008	20.6	19.7
4 11	10 35.23	+28 31.1	1.235	1.996	23.9	19.9

316563 2011 FL_{56} 3 3.8 324.°49 4.°0/29.0 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 18.26	+13 0.7	1.613	2.486	13.1	20.1
2 11	11 14.30	+14 19.5	1.538	2.473	9.3	19.8
2 21	11 8.11	+15 45.9	1.488	2.459	5.6	19.6
3 2	11 0.45	+17 10.8	1.465	2.446	4.1	19.4
3 12	10 52.42	+18 24.2	1.468	2.434	7.1	19.6
3 22	10 45.18	+19 18.6	1.497	2.423	11.2	19.8
4 1	10 39.75	+19 49.7	1.549	2.411	15.0	20.0
4 11	10 36.82	+19 56.7	1.620	2.401	18.3	20.2

304485 2006 UV_{105} 3 3.8 152.°10 4.°9/10.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 16.89	−13 31.9	2.507	3.262	12.7	21.3
2 11	11 12.60	−13 17.2	2.418	3.263	10.4	21.1
2 21	11 6.87	−12 42.0	2.352	3.265	7.9	21.0
3 2	11 0.24	−11 47.3	2.313	3.266	5.7	20.8
3 12	10 53.42	−10 36.7	2.302	3.267	5.0	20.8
3 22	10 47.12	− 9 15.5	2.319	3.268	6.4	20.9
4 1	10 41.99	− 7 50.1	2.365	3.268	8.8	21.0
4 11	10 38.49	− 6 27.1	2.435	3.269	11.3	21.2

275616 2000 AH_{216} 3 3.8 196.°42 3.°9/28.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 21.45	+16 1.7	2.072	2.933	11.1	20.7
2 11	11 16.08	+17 2.4	2.005	2.933	8.0	20.5
2 21	11 8.88	+18 4.7	1.965	2.932	5.0	20.3
3 2	11 0.57	+19 1.6	1.954	2.931	4.0	20.3
3 12	10 52.07	+19 46.5	1.971	2.929	6.3	20.4
3 22	10 44.32	+20 15.1	2.016	2.928	9.5	20.6
4 1	10 38.13	+20 25.3	2.085	2.927	12.5	20.8
4 11	10 34.03	+20 17.6	2.174	2.925	15.1	21.0

34097 2000 PD_{12} 3 3.8 23.°18 4.°2/27.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 17.09	+15 33.3	2.199	3.065	10.4	18.1
2 11	11 12.92	+17 23.7	2.137	3.066	7.4	17.9
2 21	11 7.11	+19 17.4	2.103	3.068	4.9	17.8
3 2	11 0.29	+21 5.9	2.098	3.069	4.5	17.7
3 12	10 53.27	+22 40.9	2.123	3.071	6.7	17.9
3 22	10 46.86	+23 56.7	2.176	3.072	9.7	18.1
4 1	10 41.81	+24 50.1	2.253	3.074	12.4	18.2
4 11	10 38.62	+25 21.0	2.350	3.076	14.8	18.4

388670 2007 TZ_{397} 3 3.8 124.°79 2.°6/ 1.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 22.29	+14 3.7	2.391	3.244	10.2	21.3
2 11	11 16.39	+14 38.2	2.328	3.252	7.2	21.1
2 21	11 8.92	+15 14.4	2.292	3.261	4.2	20.9
3 2	11 0.57	+15 47.3	2.286	3.269	2.7	20.9
3 12	10 52.13	+16 12.1	2.309	3.276	4.7	21.0
3 22	10 44.39	+16 25.9	2.361	3.284	7.7	21.2
4 1	10 38.05	+16 26.8	2.439	3.291	10.6	21.4
4 11	10 33.55	+16 14.7	2.539	3.299	13.0	21.6

352731 2008 SC_{294} 3 3.8 199.°00 2.°9/ 1.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 25.04	+10 59.9	1.828	2.682	12.7	21.5
2 11	11 18.91	+12 10.2	1.753	2.679	9.1	21.3
2 21	11 10.59	+13 28.3	1.705	2.675	5.1	21.0
3 2	11 0.85	+14 46.2	1.684	2.669	2.9	20.9
3 12	10 50.80	+15 55.4	1.693	2.663	5.8	21.0
3 22	10 41.56	+16 49.1	1.730	2.657	9.8	21.3
4 1	10 34.12	+17 23.6	1.792	2.649	13.6	21.5
4 11	10 29.12	+17 37.7	1.874	2.640	16.7	21.7

2020	α_{2000}	δ_{2000}	Δ	r	β	V
110020	2001 SM_{71}		3	3.8	118.°77	1.°8/ 2.2 18
	h m	° ′			°	m
2 1	11 24.56	+ 7 41.4	1.659	2.512	13.9	20.3
2 11	11 18.49	+ 8 49.7	1.604	2.529	9.8	20.1
2 21	11 10.26	+10 7.9	1.574	2.546	5.3	19.9
3 2	11 0.78	+11 28.2	1.572	2.561	1.8	19.7
3 12	10 51.22	+12 41.4	1.599	2.577	5.1	19.9
3 22	10 42.71	+13 40.7	1.654	2.591	9.4	20.2
4 1	10 36.15	+14 21.6	1.733	2.605	13.2	20.4
4 11	10 32.09	+14 43.1	1.833	2.618	16.3	20.7
375263	2008 GC_{131}		3	3.8	269.°83	0.°7/ 3.2 17
2 1	11 21.31	+ 5 45.7	1.923	2.769	12.5	21.8
2 11	11 16.27	+ 6 30.3	1.828	2.749	9.1	21.5
2 21	11 9.16	+ 7 27.0	1.758	2.728	5.0	21.2
3 2	11 0.64	+ 8 30.7	1.716	2.707	0.9	20.9
3 12	10 51.67	+ 9 34.3	1.703	2.685	4.1	21.1
3 22	10 43.27	+10 31.1	1.719	2.663	8.5	21.3
4 1	10 36.41	+11 15.3	1.760	2.641	12.5	21.5
4 11	10 31.79	+11 43.8	1.822	2.618	16.0	21.7
463704	2014 QW_{22}		3	3.8	125.°39	3.°0/ 6.3 18
2 1	11 24.09	− 2 55.3	1.705	2.525	15.1	21.1
2 11	11 18.23	− 2 53.5	1.634	2.532	11.5	20.9
2 21	11 10.19	− 2 33.5	1.586	2.540	7.4	20.7
3 2	11 0.79	− 1 57.8	1.564	2.547	3.7	20.4
3 12	10 51.17	− 1 11.7	1.570	2.554	4.1	20.5
3 22	10 42.44	− 0 22.0	1.604	2.560	7.9	20.7
4 1	10 35.58	+ 0 24.8	1.664	2.566	11.9	21.0
4 11	10 31.19	+ 1 3.1	1.745	2.572	15.3	21.2
141302	2001 YU_{106}		3	3.8	352.°06	1.°7/ 5.6 17
2 1	11 18.38	− 0 34.6	2.169	2.995	12.1	19.7
2 11	11 13.81	− 0 21.0	2.088	2.993	9.0	19.5
2 21	11 7.61	+ 0 6.0	2.032	2.991	5.6	19.3
3 2	11 0.38	+ 0 43.6	2.004	2.990	2.3	19.0
3 12	10 52.93	+ 1 27.3	2.004	2.989	3.1	19.1
3 22	10 46.09	+ 2 11.9	2.033	2.988	6.6	19.3
4 1	10 40.59	+ 2 52.4	2.088	2.987	10.0	19.5
4 11	10 36.96	+ 3 24.8	2.166	2.987	13.0	19.7
99959	1978 VW_9		3	3.8	206.°61	1.°3/ 2.7 17
2 1	11 23.03	+ 7 52.4	2.058	2.904	11.9	19.3
2 11	11 17.25	+ 8 34.1	1.979	2.900	8.5	19.1
2 21	11 9.57	+ 9 24.1	1.925	2.895	4.6	18.8
3 2	11 0.70	+10 17.3	1.899	2.889	1.3	18.6
3 12	10 51.55	+11 7.2	1.904	2.883	4.2	18.8
3 22	10 43.10	+11 48.4	1.937	2.876	8.1	19.0
4 1	10 36.18	+12 17.1	1.996	2.869	11.7	19.2
4 11	10 31.39	+12 31.3	2.077	2.861	14.7	19.4
383733	2007 UC_{140}		3	3.9	103.°98	4.°3/ 8.7 17
2 1	11 18.73	− 9 23.2	2.307	3.088	12.9	20.9
2 11	11 13.99	− 9 19.4	2.226	3.093	10.3	20.7
2 21	11 7.67	− 8 57.0	2.168	3.098	7.4	20.6
3 2	11 0.39	− 8 17.3	2.138	3.104	4.9	20.4
3 12	10 52.92	− 7 24.1	2.135	3.109	4.4	20.4
3 22	10 46.04	− 6 22.5	2.162	3.114	6.5	20.5
4 1	10 40.46	− 5 18.6	2.215	3.119	9.3	20.7
4 11	10 36.66	− 4 18.3	2.293	3.124	12.0	20.9
210687	2000 SO		3	3.9	354.°72	4.°9/29.1 17
2 1	11 26.62	+20 44.7	1.979	2.837	11.8	19.3
2 11	11 19.81	+21 1.7	1.913	2.834	8.7	19.1
2 21	11 10.96	+21 14.0	1.872	2.832	5.9	18.9
3 2	11 0.91	+21 15.7	1.860	2.831	4.9	18.8
3 12	10 50.76	+21 2.3	1.876	2.830	6.9	18.9
3 22	10 41.57	+20 32.1	1.919	2.829	10.0	19.1
4 1	10 34.22	+19 45.5	1.987	2.829	13.0	19.3
4 11	10 29.25	+18 44.8	2.076	2.829	15.7	19.5
366426	2001 VT_{22}		3	3.9	191.°51	5.°9/11.5 17
2 1	11 21.21	−17 38.5	2.762	3.476	12.6	22.5
2 11	11 15.64	−17 37.1	2.663	3.474	10.6	22.3
2 21	11 8.57	−17 15.2	2.587	3.471	8.5	22.2
3 2	11 0.54	−16 32.4	2.538	3.467	6.6	22.0
3 12	10 52.27	−15 31.2	2.516	3.463	5.9	22.0
3 22	10 44.48	−14 15.8	2.525	3.457	6.8	22.0
4 1	10 37.84	−12 52.3	2.561	3.451	8.8	22.1
4 11	10 32.85	−11 27.2	2.624	3.444	11.0	22.3
453254	2008 SL_{132}		3	3.9	255.°72	1.°2/ 4.8 17
2 1	11 23.94	+ 0 54.7	1.585	2.423	15.2	21.9
2 11	11 18.55	+ 1 22.0	1.493	2.406	11.3	21.6
2 21	11 10.62	+ 2 7.7	1.424	2.389	6.8	21.3
3 2	11 0.91	+ 3 7.7	1.381	2.371	1.9	20.9
3 12	10 50.61	+ 4 14.9	1.366	2.352	4.1	21.0
3 22	10 41.02	+ 5 20.7	1.379	2.333	9.2	21.3
4 1	10 33.34	+ 6 17.3	1.416	2.313	13.9	21.5
4 11	10 28.40	+ 6 59.1	1.473	2.293	18.0	21.7

2020	α_{2000}	δ_{2000}	Δ	r	β	V
166563	2002 RS_{104}		3	3.9	76.°66	5.°5/27.6 18
	h m	° ′			°	m
2 1	11 26.38	+23 14.8	2.168	3.022	11.0	19.8
2 11	11 19.28	+24 2.4	2.134	3.050	8.3	19.6
2 21	11 10.48	+24 43.4	2.127	3.078	6.1	19.6
3 2	11 0.82	+25 11.4	2.148	3.106	5.7	19.6
3 12	10 51.31	+25 22.1	2.198	3.133	7.4	19.7
3 22	10 42.85	+25 14.2	2.275	3.160	9.8	19.9
4 1	10 36.14	+24 48.4	2.376	3.186	12.2	20.1
4 11	10 31.59	+24 7.3	2.498	3.213	14.2	20.3
285150	1995 UD_{62}		3	3.9	88.°76	1.°7/ 1.9 17
2 1	11 20.32	+10 17.4	2.331	3.182	10.5	21.6
2 11	11 14.99	+10 58.3	2.273	3.197	7.4	21.4
2 21	11 8.16	+11 43.8	2.241	3.211	4.0	21.3
3 2	11 0.47	+12 29.0	2.238	3.226	1.7	21.1
3 12	10 52.73	+13 8.7	2.266	3.241	4.0	21.3
3 22	10 45.69	+13 39.1	2.321	3.255	7.3	21.5
4 1	10 40.00	+13 57.6	2.403	3.269	10.2	21.7
4 11	10 36.10	+14 3.1	2.508	3.283	12.7	21.9
161758	2006 TL_{18}		3	3.9	34.°91	0.°1/ 3.8 18
2 1	11 20.41	+ 3 46.9	1.411	2.269	15.5	19.9
2 11	11 15.86	+ 4 29.1	1.352	2.277	11.2	19.6
2 21	11 8.95	+ 5 27.1	1.316	2.286	6.3	19.4
3 2	11 0.62	+ 6 34.1	1.305	2.295	1.0	19.0
3 12	10 52.11	+ 7 41.1	1.320	2.305	4.4	19.3
3 22	10 44.66	+ 8 39.6	1.362	2.315	9.4	19.6
4 1	10 39.28	+ 9 23.4	1.427	2.326	13.8	19.9
4 11	10 36.55	+ 9 49.2	1.512	2.337	17.4	20.2
48813	1997 WJ_1		3	3.9	104.°97	2.°7/ 1.2 18
2 1	11 22.99	+13 48.4	2.207	3.061	10.8	19.3
2 11	11 16.99	+14 21.7	2.145	3.070	7.7	19.1
2 21	11 9.31	+14 56.8	2.111	3.079	4.5	19.0
3 2	11 0.66	+15 28.5	2.105	3.089	2.7	18.9
3 12	10 51.94	+15 52.0	2.129	3.098	4.9	19.0
3 22	10 44.00	+16 3.7	2.181	3.107	8.1	19.2
4 1	10 37.56	+16 2.1	2.259	3.116	11.1	19.4
4 11	10 33.12	+15 47.2	2.359	3.124	13.7	19.6
377430	2004 TS_{203}		3	3.9	173.°77	4.°9/27.7 17
2 1	11 24.15	+20 50.6	2.280	3.136	10.5	21.5
2 11	11 17.87	+21 45.7	2.218	3.138	7.8	21.4
2 21	11 9.83	+22 37.7	2.184	3.140	5.5	21.2
3 2	11 0.75	+23 20.2	2.178	3.141	5.1	21.2
3 12	10 51.54	+23 47.6	2.201	3.142	6.9	21.3
3 22	10 43.11	+23 57.2	2.251	3.143	9.6	21.5
4 1	10 36.23	+23 48.3	2.326	3.143	12.2	21.7
4 11	10 31.40	+23 22.2	2.422	3.143	14.5	21.8
22408	1995 SC_3		3	3.9	147.°99	1.°0/ 2.8 18
2 1	11 23.23	+ 8 9.0	2.402	3.242	10.6	19.4
2 11	11 17.06	+ 8 39.2	2.333	3.252	7.5	19.2
2 21	11 9.32	+ 9 15.4	2.292	3.261	4.1	19.0
3 2	11 0.66	+ 9 53.2	2.280	3.270	1.0	18.8
3 12	10 51.90	+10 28.0	2.299	3.278	3.5	19.0
3 22	10 43.83	+10 55.8	2.347	3.286	6.9	19.3
4 1	10 37.12	+11 13.9	2.423	3.293	10.0	19.5
4 11	10 32.25	+11 20.7	2.522	3.299	12.6	19.6
458770	2011 SH_{66}		3	3.9	259.°86	11.°6/15.4 18
2 1	11 20.04	−25 11.7	1.604	2.312	20.5	21.5
2 11	11 15.83	−25 36.4	1.515	2.305	18.2	21.3
2 21	11 9.12	−25 23.1	1.441	2.298	15.6	21.1
3 2	11 0.68	−24 27.0	1.387	2.290	13.2	20.9
3 12	10 51.71	−22 48.7	1.356	2.283	11.7	20.8
3 22	10 43.53	−20 35.5	1.349	2.276	12.0	20.8
4 1	10 37.34	−18 0.0	1.366	2.268	14.0	20.9
4 11	10 33.95	−15 18.0	1.405	2.260	16.9	21.0
146368	2001 PZ_{45}		3	3.9	95.°11	9.°0/23.7 18
2 1	11 25.17	+29 6.5	1.780	2.640	12.7	19.8
2 11	11 18.99	+30 50.8	1.748	2.655	10.4	19.7
2 21	11 10.56	+32 22.7	1.741	2.670	9.0	19.6
3 2	11 0.86	+33 32.0	1.761	2.685	9.4	19.7
3 12	10 51.15	+34 11.8	1.805	2.699	11.3	19.8
3 22	10 42.62	+34 20.6	1.874	2.714	13.7	20.0
4 1	10 36.20	+34 0.4	1.962	2.728	16.0	20.2
4 11	10 32.41	+33 16.0	2.067	2.741	17.9	20.4
287327	2002 TJ_{304}		3	3.9	29.°09	0.°2/ 4.1 18
2 1	11 17.47	+ 2 7.3	2.015	2.856	12.3	20.0
2 11	11 13.25	+ 3 5.1	1.941	2.858	8.9	19.8
2 21	11 7.33	+ 4 17.2	1.892	2.860	5.0	19.6
3 2	11 0.36	+ 5 38.0	1.872	2.862	0.9	19.3
3 12	10 53.19	+ 7 0.5	1.880	2.865	3.3	19.5
3 22	10 46.69	+ 8 17.5	1.917	2.867	7.4	19.7
4 1	10 41.60	+ 9 23.0	1.980	2.870	11.0	20.0
4 11	10 38.47	+10 13.3	2.066	2.873	14.0	20.2

417615 2006 WQ_{51} 3 3.9 219.°60 3.°7/29.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 23.65	+14 29.8	1.909	2.769	12.0	21.5
2 11	11 17.85	+15 26.7	1.836	2.763	8.6	21.3
2 21	11 9.97	+16 27.1	1.789	2.757	5.2	21.1
3 2	11 0.79	+17 23.4	1.770	2.751	3.7	21.0
3 12	10 51.34	+18 8.6	1.780	2.744	6.2	21.1
3 22	10 42.69	+18 37.6	1.818	2.737	9.9	21.3
4 1	10 35.75	+18 47.9	1.879	2.730	13.3	21.5
4 11	10 31.14	+18 39.5	1.961	2.722	16.2	21.7

377429 2004 TV_{202} 3 3.9 161.°12 3.°0/29.4 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 23.05	+15 12.6	2.528	3.379	9.8	22.3
2 11	11 16.90	+16 0.1	2.463	3.386	7.0	22.1
2 21	11 9.23	+16 48.5	2.426	3.392	4.2	22.0
3 2	11 0.66	+17 32.8	2.418	3.398	3.1	21.9
3 12	10 51.98	+18 7.9	2.441	3.403	5.0	22.0
3 22	10 43.97	+18 30.6	2.493	3.407	7.8	22.2
4 1	10 37.29	+18 39.2	2.572	3.411	10.5	22.4
4 11	10 32.41	+18 33.6	2.672	3.414	12.8	22.6

79782 1998 UN_{40} 3 3.9 112.°50 2.°1/ 2.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 26.69	+10 59.4	1.998	2.845	12.1	19.8
2 11	11 19.66	+11 35.9	1.945	2.867	8.5	19.6
2 21	11 10.78	+12 16.6	1.919	2.888	4.7	19.4
3 2	11 0.90	+12 55.7	1.922	2.909	2.1	19.3
3 12	10 51.02	+13 27.7	1.954	2.929	4.7	19.5
3 22	10 42.12	+13 48.5	2.016	2.948	8.3	19.7
4 1	10 34.98	+13 56.0	2.104	2.967	11.6	20.0
4 11	10 30.08	+13 49.8	2.213	2.985	14.3	20.2

150917 2001 TD_{44} 3 3.9 173.°44 6.°0/26.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 25.87	+24 12.9	2.252	3.105	10.7	19.8
2 11	11 19.14	+25 15.1	2.195	3.108	8.2	19.6
2 21	11 10.55	+26 11.4	2.164	3.111	6.3	19.5
3 2	11 0.87	+26 54.9	2.162	3.112	6.2	19.5
3 12	10 51.08	+27 19.9	2.188	3.114	7.9	19.6
3 22	10 42.14	+27 24.0	2.241	3.114	10.4	19.8
4 1	10 34.86	+27 7.4	2.319	3.115	12.9	20.0
4 11	10 29.75	+26 32.4	2.415	3.114	15.0	20.1

168494 1999 RE_{177} 3 3.9 109.°68 0.°0/ 3.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 24.85	+ 3 59.5	1.774	2.614	13.7	20.5
2 11	11 18.57	+ 4 33.0	1.716	2.632	9.9	20.3
2 21	11 10.28	+ 5 18.5	1.682	2.650	5.5	20.1
3 2	11 0.83	+ 6 10.6	1.677	2.667	0.9	19.8
3 12	10 51.31	+ 7 2.5	1.700	2.684	3.7	20.0
3 22	10 42.77	+ 7 48.1	1.752	2.700	8.1	20.3
4 1	10 36.08	+ 8 22.7	1.829	2.716	11.9	20.6
4 11	10 31.75	+ 8 43.6	1.928	2.731	15.0	20.8

123316 2000 VR_9 3 3.9 209.°73 0.°7/ 3.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 21.72	+ 6 27.5	2.045	2.890	12.0	20.1
2 11	11 16.31	+ 7 2.3	1.967	2.887	8.6	19.9
2 21	11 9.06	+ 7 46.3	1.914	2.884	4.7	19.6
3 2	11 0.65	+ 8 34.8	1.890	2.880	0.9	19.3
3 12	10 52.01	+ 9 21.7	1.895	2.877	3.8	19.5
3 22	10 44.04	+10 1.7	1.929	2.873	7.8	19.8
4 1	10 37.59	+10 30.8	1.988	2.869	11.4	20.0
4 11	10 33.22	+10 46.5	2.070	2.864	14.4	20.2

338971 2004 FQ_{56} 3 3.9 335.°60 10.°1/23.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 32.97	+37 43.1	2.073	2.897	12.6	20.4
2 11	11 24.46	+38 26.8	2.021	2.892	11.0	20.3
2 21	11 13.55	+38 52.0	1.994	2.888	10.1	20.3
3 2	11 1.34	+38 50.9	1.993	2.884	10.4	20.3
3 12	10 49.21	+38 19.3	2.017	2.880	11.7	20.3
3 22	10 38.43	+37 17.9	2.066	2.876	13.7	20.5
4 1	10 29.98	+35 50.8	2.136	2.873	15.7	20.6
4 11	10 24.36	+34 4.1	2.224	2.870	17.4	20.7

472378 2015 BM_{72} 3 3.9 233.°93 3.°2/ 7.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 20.56	− 5 9.1	2.202	3.004	12.8	21.8
2 11	11 15.45	− 5 1.8	2.109	2.995	9.9	21.5
2 21	11 8.59	− 4 37.9	2.041	2.987	6.7	21.3
3 2	11 0.59	− 3 58.9	2.000	2.978	3.8	21.1
3 12	10 52.27	− 3 8.9	1.988	2.969	3.7	21.1
3 22	10 44.51	− 2 13.3	2.005	2.960	6.7	21.3
4 1	10 38.10	− 1 17.9	2.049	2.950	10.1	21.5
4 11	10 33.61	− 0 28.3	2.117	2.940	13.1	21.6

306238 2011 QW_{67} 3 3.9 218.°92 0.°5/ 4.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 20.71	+ 3 32.8	2.768	3.594	9.8	21.2
2 11	11 15.20	+ 3 44.6	2.678	3.587	7.1	21.0
2 21	11 8.31	+ 4 4.4	2.615	3.579	4.1	20.8
3 2	11 0.53	+ 4 29.5	2.582	3.571	1.0	20.6
3 12	10 52.55	+ 4 56.5	2.579	3.563	2.6	20.7
3 22	10 45.04	+ 5 21.9	2.607	3.555	5.8	20.9
4 1	10 38.63	+ 5 42.5	2.662	3.546	8.7	21.1
4 11	10 33.77	+ 5 55.9	2.742	3.537	11.2	21.2

97010 1999 TK_{256} 3 3.9 252.°76 1.°3/ 5.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 19.26	− 0 22.5	1.956	2.786	13.1	19.7
2 11	11 14.62	+ 0 13.3	1.875	2.783	9.7	19.5
2 21	11 8.15	+ 1 5.0	1.819	2.781	5.8	19.3
3 2	11 0.52	+ 2 8.7	1.790	2.778	2.0	19.0
3 12	10 52.62	+ 3 18.1	1.790	2.776	3.2	19.1
3 22	10 45.39	+ 4 26.3	1.818	2.773	7.3	19.3
4 1	10 39.66	+ 5 27.0	1.873	2.770	11.1	19.6
4 11	10 36.00	+ 6 15.4	1.950	2.768	14.3	19.8

415938 2001 WA_9 3 3.9 107.°63 2.°6/ 1.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 23.86	+12 0.5	2.162	3.012	11.2	22.1
2 11	11 17.54	+13 1.9	2.114	3.038	7.9	21.9
2 21	11 9.58	+14 6.7	2.094	3.063	4.4	21.7
3 2	11 0.72	+15 8.5	2.103	3.087	2.6	21.6
3 12	10 51.87	+16 1.2	2.142	3.110	4.9	21.8
3 22	10 43.88	+16 40.4	2.210	3.133	8.2	22.1
4 1	10 37.46	+17 4.0	2.303	3.155	11.1	22.3
4 11	10 33.05	+17 11.7	2.419	3.176	13.6	22.5

463068 2011 JK_7 3 3.9 273.°46 4.°2/28.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 22.67	+16 54.0	1.977	2.839	11.5	20.9
2 11	11 17.13	+17 45.5	1.903	2.830	8.4	20.6
2 21	11 9.58	+18 38.0	1.854	2.820	5.4	20.4
3 2	11 0.77	+19 24.4	1.834	2.810	4.3	20.3
3 12	10 51.69	+19 58.1	1.842	2.800	6.6	20.5
3 22	10 43.36	+20 14.8	1.876	2.790	10.0	20.6
4 1	10 36.68	+20 12.6	1.935	2.780	13.2	20.8
4 11	10 32.25	+19 52.2	2.014	2.770	16.0	21.0

387279 2012 UW_{132} 3 3.9 149.°56 1.°0/ 2.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 18.97	+ 7 51.5	2.777	3.618	9.3	21.7
2 11	11 13.90	+ 8 35.6	2.706	3.626	6.6	21.6
2 21	11 7.55	+ 9 25.7	2.663	3.633	3.6	21.4
3 2	11 0.44	+10 17.5	2.650	3.640	1.0	21.2
3 12	10 53.21	+11 6.5	2.668	3.647	3.2	21.4
3 22	10 46.51	+11 48.9	2.716	3.653	6.2	21.6
4 1	10 40.91	+12 21.6	2.791	3.659	8.9	21.7
4 11	10 36.81	+12 43.0	2.890	3.664	11.2	21.9

309350 2007 TA_{52} 3 3.9 337.°56 3.°6/ 1.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 24.70	+12 59.2	1.332	2.204	15.4	19.7
2 11	11 19.27	+13 33.6	1.265	2.199	11.0	19.4
2 21	11 11.04	+14 13.2	1.221	2.193	6.4	19.1
3 2	11 1.02	+14 49.6	1.203	2.189	3.6	18.9
3 12	10 50.67	+15 14.4	1.210	2.184	6.9	19.1
3 22	10 41.47	+15 21.8	1.242	2.180	11.7	19.4
4 1	10 34.64	+15 9.2	1.296	2.177	16.1	19.6
4 11	10 30.92	+14 37.3	1.368	2.174	19.9	19.9

53539 2000 AO_{243} 3 3.9 0.°49 3.°4/ 1.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 22.89	+11 21.9	1.060	1.944	17.4	18.4
2 11	11 18.37	+11 59.7	1.003	1.942	12.5	18.1
2 21	11 10.68	+12 46.5	0.966	1.940	7.1	17.8
3 2	11 0.97	+13 32.3	0.952	1.940	3.4	17.6
3 12	10 50.94	+14 6.4	0.962	1.941	7.3	17.8
3 22	10 42.31	+14 21.5	0.995	1.942	12.8	18.1
4 1	10 36.44	+14 14.1	1.048	1.945	17.7	18.4
4 11	10 34.05	+13 44.8	1.118	1.949	21.9	18.6

384973 2012 TL_{162} 3 3.9 339.°41 0.°3/ 3.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 18.91	+ 5 0.4	2.197	3.040	11.3	21.4
2 11	11 14.19	+ 5 38.3	2.121	3.040	8.1	21.2
2 21	11 7.84	+ 6 26.2	2.071	3.040	4.5	21.0
3 2	11 0.49	+ 7 19.5	2.049	3.039	0.7	20.7
3 12	10 52.96	+ 8 12.5	2.056	3.039	3.3	20.9
3 22	10 46.04	+ 9 0.0	2.092	3.039	7.1	21.1
4 1	10 40.46	+ 9 37.8	2.155	3.039	10.4	21.3
4 11	10 36.74	+10 3.1	2.240	3.039	13.3	21.5

152696 1998 RO_{52} 3 3.9 175.°63 2.°6/ 1.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 26.96	+10 58.6	1.753	2.606	13.2	20.7
2 11	11 20.30	+11 47.4	1.684	2.609	9.4	20.4
2 21	11 11.39	+12 42.7	1.641	2.611	5.3	20.2
3 2	11 1.07	+13 37.2	1.626	2.613	2.6	20.0
3 12	10 50.52	+14 23.5	1.640	2.613	5.5	20.2
3 22	10 40.92	+14 55.8	1.681	2.613	9.7	20.4
4 1	10 33.26	+15 11.0	1.748	2.612	13.5	20.7
4 11	10 28.16	+15 8.8	1.835	2.611	16.7	20.9

321083 2008 SB_{133} 3 3.9 251.°48 0.°4/ 3.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 20.79	+ 5 45.7	2.033	2.878	12.0	21.1
2 11	11 15.66	+ 6 16.5	1.956	2.876	8.6	20.8
2 21	11 8.71	+ 6 57.0	1.904	2.874	4.8	20.6
3 2	11 0.64	+ 7 42.5	1.880	2.871	0.8	20.3
3 12	10 52.33	+ 8 27.5	1.886	2.868	3.6	20.5
3 22	10 44.71	+ 9 6.5	1.919	2.866	7.6	20.7
4 1	10 38.58	+ 9 35.3	1.979	2.863	11.2	21.0
4 11	10 34.51	+ 9 51.4	2.060	2.861	14.3	21.2

2020	α_{2000}	δ_{2000}	Δ	r	β	V
421404	2013 VH_{16}		3	3.9	178.°27	2.°4/ 6.6 17
	h m	° ′			°	m
2 1	11 19.80	− 4 15.1	2.400	3.203	11.8	21.6
2 11	11 14.73	− 3 45.8	2.315	3.204	9.0	21.5
2 21	11 8.11	− 3 0.9	2.256	3.205	5.9	21.3
3 2	11 0.54	− 2 3.0	2.224	3.206	2.9	21.1
3 12	10 52.77	− 0 56.9	2.223	3.206	3.1	21.1
3 22	10 45.55	+ 0 11.7	2.252	3.206	6.1	21.3
4 1	10 39.58	+ 1 17.3	2.308	3.205	9.3	21.5
4 11	10 35.35	+ 2 14.9	2.389	3.204	12.1	21.6
200474	2000 XD_{46}		3	3.9	69.°42	6.°2/ 2.1 18
2 1	11 44.99	+20 31.3	0.980	1.845	20.2	18.1
2 11	11 34.33	+20 10.4	0.931	1.857	14.9	17.8
2 21	11 19.49	+19 38.5	0.904	1.869	9.4	17.6
3 2	11 2.33	+18 46.6	0.900	1.881	6.2	17.4
3 12	10 45.48	+17 30.9	0.923	1.894	9.2	17.6
3 22	10 31.26	+15 54.7	0.971	1.906	14.5	18.0
4 1	10 21.17	+14 4.8	1.040	1.919	19.4	18.3
4 11	10 15.67	+12 7.9	1.127	1.931	23.4	18.6
64592	2001 XG_{8}		3	3.9	78.°09	1.°8/ 2.5 18
2 1	11 27.27	+10 52.7	1.757	2.609	13.3	18.3
2 11	11 20.30	+11 5.9	1.702	2.625	9.4	18.1
2 21	11 11.25	+11 23.4	1.672	2.642	5.2	17.9
3 2	11 1.03	+11 40.1	1.670	2.659	1.9	17.7
3 12	10 50.80	+11 50.5	1.697	2.675	4.7	17.9
3 22	10 41.67	+11 51.3	1.752	2.691	8.8	18.2
4 1	10 34.51	+11 40.5	1.832	2.708	12.4	18.4
4 11	10 29.83	+11 17.8	1.934	2.724	15.4	18.7
423239	2004 TB_{35}		3	3.9	130.°18	0.°8/ 3.2 16
2 1	11 22.39	+ 6 55.3	2.052	2.897	11.9	22.0
2 11	11 16.71	+ 7 25.7	1.983	2.904	8.5	21.8
2 21	11 9.26	+ 8 4.3	1.940	2.910	4.7	21.6
3 2	11 0.72	+ 8 46.3	1.926	2.916	0.9	21.3
3 12	10 52.04	+ 9 26.1	1.941	2.922	3.7	21.5
3 22	10 44.12	+ 9 58.9	1.984	2.928	7.6	21.8
4 1	10 37.75	+10 21.1	2.054	2.933	11.1	22.0
4 11	10 33.43	+10 30.7	2.145	2.939	14.0	22.2
32387	D′Egidio		3	3.9	94.°33	1.°9/ 1.7 18
2 1	11 19.07	+10 15.7	2.375	3.227	10.2	19.0
2 11	11 14.13	+11 9.0	2.315	3.240	7.2	18.8
2 21	11 7.73	+12 7.2	2.281	3.252	4.0	18.6
3 2	11 0.48	+13 5.2	2.277	3.264	1.9	18.5
3 12	10 53.14	+13 57.3	2.302	3.276	4.2	18.7
3 22	10 46.45	+14 39.3	2.357	3.288	7.3	18.9
4 1	10 41.04	+15 8.3	2.437	3.299	10.2	19.1
4 11	10 37.37	+15 23.1	2.540	3.311	12.7	19.3
97090	1999 VM_{57}		3	3.9	79.°57	0.°4/ 4.2 18
2 1	11 20.76	+ 3 15.4	1.933	2.773	12.8	20.0
2 11	11 15.66	+ 3 43.9	1.862	2.778	9.3	19.8
2 21	11 8.72	+ 4 24.6	1.816	2.783	5.3	19.6
3 2	11 0.65	+ 5 12.8	1.798	2.788	1.0	19.3
3 12	10 52.39	+ 6 2.7	1.808	2.793	3.4	19.4
3 22	10 44.90	+ 6 48.5	1.847	2.798	7.5	19.7
4 1	10 38.97	+ 7 25.2	1.911	2.803	11.2	19.9
4 11	10 35.16	+ 7 49.8	1.998	2.808	14.3	20.2
56438	2000 GV_{49}		3	3.9	194.°60	2.°1/ 5.8 18
2 1	11 22.94	− 2 20.2	1.757	2.580	14.6	19.5
2 11	11 17.49	− 1 43.9	1.676	2.578	11.0	19.3
2 21	11 9.87	− 0 47.7	1.618	2.576	6.9	19.0
3 2	11 0.85	+ 0 24.4	1.586	2.573	2.7	18.7
3 12	10 51.49	+ 1 45.1	1.584	2.569	3.7	18.8
3 22	10 42.89	+ 3 6.2	1.610	2.565	8.0	19.0
4 1	10 36.05	+ 4 19.8	1.662	2.560	12.2	19.3
4 11	10 31.62	+ 5 20.0	1.736	2.555	15.8	19.5
267377	2001 XG_{195}		3	3.9	64.°30	10.°8/13.1 18
2 1	11 25.22	−22 17.0	1.909	2.612	17.8	20.2
2 11	11 19.22	−23 40.6	1.831	2.617	15.7	20.1
2 21	11 10.91	−24 37.5	1.772	2.621	13.5	19.9
3 2	11 1.03	−25 3.0	1.734	2.626	11.6	19.8
3 12	10 50.68	−24 56.5	1.721	2.631	10.8	19.8
3 22	10 41.06	−24 21.2	1.733	2.635	11.3	19.8
4 1	10 33.24	−23 24.4	1.768	2.640	13.0	19.9
4 11	10 27.95	−22 15.7	1.825	2.645	15.1	20.1
118278	1998 RO_{17}		3	3.9	148.°09	1.°3/ 4.9 18
2 1	11 25.70	+ 0 36.2	1.727	2.556	14.5	20.5
2 11	11 19.37	+ 1 3.6	1.658	2.566	10.7	20.3
2 21	11 10.85	+ 1 47.0	1.613	2.575	6.4	20.1
3 2	11 1.00	+ 2 41.8	1.595	2.584	1.9	19.8
3 12	10 50.95	+ 3 41.2	1.607	2.592	3.6	19.9
3 22	10 41.83	+ 4 38.1	1.646	2.599	8.1	20.2
4 1	10 34.60	+ 5 26.4	1.712	2.605	12.2	20.5
4 11	10 29.86	+ 6 1.8	1.799	2.611	15.6	20.7

2020	α_{2000}	δ_{2000}	Δ	r	β	V
127347	2002 JT_{120}		3	3.9	265.°08	4.°4/27.9 17
	h m	° ′			°	m
2 1	11 20.25	+16 15.8	2.079	2.943	11.0	19.8
2 11	11 15.41	+17 38.5	2.000	2.927	8.0	19.6
2 21	11 8.66	+19 4.7	1.947	2.912	5.2	19.4
3 2	11 0.66	+20 26.4	1.922	2.896	4.5	19.3
3 12	10 52.33	+21 35.7	1.927	2.879	6.9	19.4
3 22	10 44.60	+22 26.8	1.958	2.863	10.1	19.6
4 1	10 38.36	+22 56.6	2.014	2.846	13.3	19.8
4 11	10 34.21	+23 5.0	2.090	2.829	16.0	19.9
241563	1981 EZ_{5}		3	3.9	5.°81	3.°4/ 7.9 17
2 1	11 15.95	− 6 48.7	2.509	3.304	11.6	20.0
2 11	11 11.94	− 6 45.5	2.426	3.305	9.1	19.8
2 21	11 6.55	− 6 27.1	2.367	3.306	6.4	19.7
3 2	11 0.31	− 5 54.8	2.336	3.308	3.9	19.5
3 12	10 53.90	− 5 12.0	2.333	3.310	3.7	19.5
3 22	10 47.99	− 4 23.1	2.358	3.313	5.8	19.6
4 1	10 43.20	− 3 33.1	2.411	3.316	8.6	19.8
4 11	10 39.99	− 2 46.7	2.488	3.320	11.2	20.0
34305	2000 QN_{179}		3	3.9	56.°08	2.°6/ 1.6 17
2 1	11 24.05	+14 8.0	2.155	3.009	11.1	18.8
2 11	11 17.78	+14 25.3	2.094	3.019	7.9	18.7
2 21	11 9.80	+14 43.6	2.060	3.028	4.6	18.5
3 2	11 0.83	+14 58.3	2.054	3.038	2.6	18.4
3 12	10 51.80	+15 5.0	2.078	3.048	4.8	18.5
3 22	10 43.61	+15 1.0	2.130	3.059	8.1	18.7
4 1	10 37.00	+14 45.0	2.208	3.069	11.2	18.9
4 11	10 32.43	+14 17.3	2.308	3.079	13.8	19.1
59358	1999 CL_{158}		3	3.9	52.°03	0.°2/ 1.1 15
2 1	11 1.67	+13 29.9	36.506	37.356	0.8	22.7
2 11	11 0.94	+13 35.7	36.437	37.362	0.5	22.7
2 21	11 0.13	+13 41.6	36.398	37.367	0.3	22.6
3 2	10 59.28	+13 47.3	36.388	37.372	0.2	22.6
3 12	10 58.42	+13 52.8	36.409	37.378	0.3	22.6
3 22	10 57.60	+13 57.6	36.459	37.383	0.6	22.7
4 1	10 56.83	+14 1.8	36.538	37.388	0.8	22.7
4 11	10 56.15	+14 5.2	36.641	37.394	1.0	22.7
173563	2001 AG_{12}		3	3.9	36.°82	9.°7/10.9 18
2 1	11 23.41	−14 32.4	1.267	2.056	21.1	19.4
2 11	11 18.36	−15 39.0	1.210	2.070	17.6	19.2
2 21	11 10.54	−16 12.8	1.171	2.085	13.9	19.0
3 2	11 0.98	−16 10.7	1.154	2.100	10.8	18.9
3 12	10 51.15	−15 35.4	1.159	2.117	9.7	18.9
3 22	10 42.54	−14 34.9	1.188	2.134	11.3	19.0
4 1	10 36.37	−13 20.6	1.239	2.152	14.3	19.2
4 11	10 33.32	−12 4.7	1.310	2.170	17.6	19.5
66870	1999 VE_{48}		3	3.9	159.°97	1.°7/ 5.7 18
2 1	11 22.30	− 0 39.1	2.428	3.241	11.4	19.2
2 11	11 16.46	− 0 30.0	2.349	3.247	8.5	19.0
2 21	11 9.07	− 0 9.0	2.296	3.252	5.3	18.8
3 2	11 0.72	+ 0 21.3	2.271	3.257	2.2	18.6
3 12	10 52.21	+ 0 57.1	2.277	3.261	2.9	18.7
3 22	10 44.30	+ 1 33.9	2.313	3.265	6.1	18.9
4 1	10 37.68	+ 2 7.6	2.377	3.269	9.3	19.1
4 11	10 32.85	+ 2 34.7	2.464	3.271	12.0	19.3
488894	2005 TY_{41}		3	3.9	146.°25	1.°6/ 5.4 18
2 1	11 25.20	− 1 14.6	1.834	2.654	14.2	23.0
2 11	11 18.90	− 0 36.7	1.765	2.667	10.6	22.8
2 21	11 10.55	+ 0 18.6	1.720	2.679	6.4	22.6
3 2	11 0.97	+ 1 26.5	1.703	2.690	2.3	22.4
3 12	10 51.21	+ 2 40.2	1.715	2.700	3.5	22.5
3 22	10 42.35	+ 3 52.0	1.757	2.710	7.7	22.7
4 1	10 35.25	+ 4 55.4	1.825	2.718	11.6	23.0
4 11	10 30.51	+ 5 45.6	1.916	2.726	14.9	23.2
388379	2006 UF_{211}		3	3.9	137.°97	3.°9/ 8.6 17
2 1	11 18.43	− 8 56.3	2.529	3.308	12.0	21.6
2 11	11 13.71	− 8 53.9	2.445	3.311	9.5	21.5
2 21	11 7.54	− 8 34.9	2.384	3.314	6.9	21.3
3 2	11 0.48	− 8 0.4	2.351	3.317	4.5	21.2
3 12	10 53.24	− 7 13.7	2.346	3.319	4.1	21.1
3 22	10 46.51	− 6 19.4	2.371	3.322	6.0	21.3
4 1	10 40.95	− 5 22.6	2.423	3.325	8.7	21.4
4 11	10 37.03	− 4 28.6	2.499	3.327	11.2	21.6
151916	2004 EX_{57}		3	3.9	241.°93	1.°2/ 2.9 18
2 1	11 24.21	+ 6 2.2	1.615	2.466	14.3	20.5
2 11	11 18.70	+ 6 57.9	1.528	2.452	10.3	20.2
2 21	11 10.72	+ 8 8.2	1.466	2.437	5.7	19.9
3 2	11 1.03	+ 9 26.1	1.432	2.422	1.3	19.6
3 12	10 50.83	+10 42.6	1.425	2.406	4.9	19.8
3 22	10 41.38	+11 48.8	1.446	2.389	9.9	20.0
4 1	10 33.85	+12 38.4	1.491	2.372	14.4	20.3
4 11	10 29.01	+13 8.1	1.556	2.354	18.2	20.5

215881 2005 EE_{245} 3 3.9 344.°28 1.°3/ 2.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 19.83	+ 6 28.7	1.285	2.155	16.0	20.3
2 11	11 15.83	+ 7 12.8	1.216	2.148	11.5	20.0
2 21	11 9.18	+ 8 12.0	1.169	2.142	6.3	19.7
3 2	11 0.78	+ 9 18.5	1.146	2.136	1.4	19.3
3 12	10 52.00	+10 22.3	1.149	2.132	5.4	19.6
3 22	10 44.23	+11 14.4	1.176	2.128	10.7	19.9
4 1	10 38.69	+11 48.2	1.226	2.125	15.6	20.1
4 11	10 36.11	+12 0.8	1.294	2.123	19.6	20.4

163495 2002 SH_{33} 3 3.9 149.°22 2.°1/ 6.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 19.64	− 3 20.1	2.717	3.519	10.6	20.7
2 11	11 14.43	− 2 59.7	2.639	3.528	8.1	20.5
2 21	11 7.89	− 2 26.7	2.586	3.536	5.2	20.3
3 2	11 0.54	− 1 43.3	2.562	3.544	2.6	20.2
3 12	10 53.07	− 0 53.4	2.569	3.552	2.8	20.2
3 22	10 46.12	− 0 1.5	2.605	3.559	5.5	20.4
4 1	10 40.28	+ 0 48.1	2.671	3.565	8.3	20.6
4 11	10 35.99	+ 1 31.5	2.760	3.571	10.8	20.7

82562 2001 OH_{78} 3 3.9 138.°17 4.°7/27.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 20.32	+19 31.0	2.320	3.182	10.1	20.0
2 11	11 15.15	+20 44.3	2.263	3.187	7.4	19.8
2 21	11 8.37	+21 56.1	2.233	3.191	5.2	19.7
3 2	11 0.62	+22 59.7	2.231	3.196	4.9	19.7
3 12	10 52.74	+23 48.9	2.258	3.200	6.8	19.8
3 22	10 45.55	+24 20.3	2.313	3.204	9.4	20.0
4 1	10 39.77	+24 32.4	2.391	3.208	11.9	20.1
4 11	10 35.87	+24 26.1	2.490	3.212	14.1	20.3

239227 2006 SY_{54} 3 3.9 124.°91 1.°9/ 1.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 18.80	+10 47.4	2.718	3.567	9.2	20.6
2 11	11 13.81	+11 43.7	2.657	3.580	6.5	20.5
2 21	11 7.52	+12 44.1	2.623	3.592	3.6	20.3
3 2	11 0.48	+13 43.8	2.619	3.605	1.9	20.2
3 12	10 53.36	+14 37.8	2.646	3.617	3.9	20.4
3 22	10 46.80	+15 22.3	2.702	3.628	6.7	20.6
4 1	10 41.37	+15 54.6	2.785	3.639	9.3	20.7
4 11	10 37.48	+16 13.7	2.891	3.650	11.5	20.9

316651 1990 OL 3 3.9 255.°92 1.°3/ 2.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 21.06	+ 7 17.2	2.643	3.481	9.8	21.3
2 11	11 15.72	+ 8 24.7	2.535	3.453	7.0	21.0
2 21	11 8.77	+ 9 41.8	2.454	3.423	3.9	20.8
3 2	11 0.72	+11 3.6	2.404	3.393	1.3	20.5
3 12	10 52.26	+12 24.1	2.386	3.362	3.8	20.7
3 22	10 44.15	+13 37.3	2.398	3.330	7.2	20.8
4 1	10 37.12	+14 38.7	2.439	3.297	10.4	21.0
4 11	10 31.74	+15 25.4	2.502	3.262	13.1	21.1

190086 2004 TW_{112} 3 3.9 241.°08 6.°0/ 9.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 22.11	−13 5.5	2.293	3.047	13.8	20.4
2 11	11 16.65	−13 28.6	2.191	3.034	11.4	20.2
2 21	11 9.36	−13 32.0	2.112	3.021	8.8	20.0
3 2	11 0.81	−13 14.8	2.059	3.007	6.7	19.9
3 12	10 51.85	−12 38.7	2.033	2.992	6.0	19.8
3 22	10 43.37	−11 47.8	2.036	2.977	7.6	19.9
4 1	10 36.21	−10 48.3	2.066	2.962	10.2	20.0
4 11	10 31.01	− 9 46.9	2.119	2.946	13.0	20.1

190400 1999 TG_{145} 3 3.9 152.°41 1.°4/ 2.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 22.64	+ 9 1.6	2.205	3.051	11.2	20.5
2 11	11 16.82	+ 9 35.2	2.135	3.057	7.9	20.3
2 21	11 9.31	+10 14.8	2.092	3.062	4.3	20.1
3 2	11 0.79	+10 55.7	2.077	3.066	1.4	19.9
3 12	10 52.12	+11 32.5	2.093	3.071	4.0	20.1
3 22	10 44.16	+12 1.0	2.137	3.075	7.5	20.3
4 1	10 37.65	+12 18.1	2.208	3.078	10.8	20.5
4 11	10 33.11	+12 22.5	2.301	3.082	13.5	20.7

236179 2005 VN_{78} 3 3.9 96.°61 0.°4/ 3.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 23.10	+ 3 9.3	1.399	2.252	16.0	21.1
2 11	11 17.82	+ 4 14.8	1.342	2.265	11.5	20.8
2 21	11 10.11	+ 5 38.0	1.309	2.279	6.4	20.6
3 2	11 0.93	+ 7 10.4	1.301	2.292	0.9	20.2
3 12	10 51.60	+ 8 41.3	1.321	2.305	4.6	20.5
3 22	10 43.41	+10 0.7	1.367	2.317	9.7	20.8
4 1	10 37.39	+11 1.9	1.438	2.330	14.1	21.1
4 11	10 34.14	+11 41.5	1.528	2.342	17.8	21.4

99385 2001 YD_{125} 3 3.9 226.°69 0.°5/ 3.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 23.02	+ 6 22.0	1.845	2.693	12.9	19.6
2 11	11 17.43	+ 6 45.3	1.770	2.691	9.3	19.4
2 21	11 9.80	+ 7 18.2	1.720	2.690	5.2	19.2
3 2	11 0.89	+ 7 55.8	1.698	2.688	0.8	18.8
3 12	10 51.73	+ 8 32.4	1.704	2.687	3.9	19.1
3 22	10 43.36	+ 9 2.4	1.738	2.685	8.2	19.3
4 1	10 36.68	+ 9 21.8	1.797	2.683	12.1	19.5
4 11	10 32.31	+ 9 28.3	1.878	2.681	15.3	19.8

357530 2004 RK_{164} 3 3.9 116.°57 3.°0/ 1.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 27.66	+12 17.0	1.670	2.526	13.6	21.3
2 11	11 20.73	+13 7.0	1.618	2.544	9.7	21.1
2 21	11 11.57	+14 1.2	1.591	2.561	5.5	20.9
3 2	11 1.15	+14 52.0	1.592	2.578	3.1	20.8
3 12	10 50.71	+15 32.1	1.622	2.594	5.9	21.0
3 22	10 41.42	+15 56.5	1.679	2.609	9.8	21.2
4 1	10 34.20	+16 3.3	1.761	2.623	13.5	21.5
4 11	10 29.59	+15 52.8	1.863	2.637	16.5	21.7

9127 Brucekoehn 3 3.9 233.°55 1.°1/ 2.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 18.92	+ 8 21.0	2.607	3.452	9.7	19.1
2 11	11 14.05	+ 9 1.3	2.524	3.445	6.9	18.9
2 21	11 7.75	+ 9 47.9	2.467	3.437	3.8	18.7
3 2	11 0.56	+10 36.7	2.440	3.429	1.2	18.5
3 12	10 53.16	+11 22.8	2.443	3.421	3.5	18.6
3 22	10 46.26	+12 2.1	2.475	3.412	6.7	18.8
4 1	10 40.48	+12 31.3	2.534	3.404	9.6	19.0
4 11	10 36.32	+12 48.6	2.617	3.395	12.2	19.2

498256 2007 UC_{114} 3 3.9 169.°59 1.°4/ 5.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 19.51	− 0 57.9	2.954	3.762	9.7	22.8
2 11	11 14.28	− 0 35.3	2.871	3.766	7.2	22.6
2 21	11 7.80	− 0 2.3	2.814	3.770	4.5	22.4
3 2	11 0.57	+ 0 38.8	2.787	3.773	1.8	22.2
3 12	10 53.20	+ 1 24.2	2.792	3.776	2.4	22.3
3 22	10 46.30	+ 2 10.2	2.827	3.778	5.2	22.5
4 1	10 40.40	+ 2 52.9	2.890	3.780	7.9	22.7
4 11	10 35.94	+ 3 29.2	2.979	3.781	10.3	22.8

505545 2013 YH_{116} 3 3.9 143.°34 2.°9/29.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 18.68	+13 45.5	2.540	3.396	9.5	21.3
2 11	11 13.87	+14 51.1	2.475	3.401	6.7	21.1
2 21	11 7.63	+15 59.6	2.438	3.406	4.0	21.0
3 2	11 0.55	+17 5.2	2.431	3.411	2.9	20.9
3 12	10 53.33	+18 2.3	2.453	3.415	4.9	21.0
3 22	10 46.69	+18 46.9	2.504	3.420	7.7	21.2
4 1	10 41.26	+19 16.5	2.581	3.424	10.4	21.4
4 11	10 37.47	+19 30.4	2.680	3.428	12.6	21.6

61457 2000 QM_{30} 3 3.9 251.°20 2.°6/ 1.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 23.94	+10 7.7	1.721	2.579	13.2	19.7
2 11	11 18.43	+11 9.9	1.635	2.562	9.5	19.4
2 21	11 10.55	+12 21.9	1.574	2.545	5.3	19.2
3 2	11 1.06	+13 36.3	1.540	2.527	2.6	18.9
3 12	10 51.08	+14 44.0	1.535	2.509	5.8	19.1
3 22	10 41.81	+15 37.5	1.557	2.490	10.2	19.3
4 1	10 34.35	+16 11.9	1.603	2.470	14.4	19.5
4 11	10 29.46	+16 25.6	1.670	2.450	17.9	19.7

504533 2008 SS_{15} 3 3.9 195.°87 0.°4/ 4.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 21.37	+ 2 56.4	2.359	3.188	11.1	22.7
2 11	11 15.91	+ 3 25.0	2.276	3.186	8.1	22.5
2 21	11 8.84	+ 4 4.2	2.218	3.183	4.7	22.2
3 2	11 0.76	+ 4 50.3	2.190	3.180	1.0	22.0
3 12	10 52.45	+ 5 38.5	2.192	3.176	2.9	22.1
3 22	10 44.72	+ 6 23.7	2.223	3.172	6.6	22.3
4 1	10 38.29	+ 7 1.9	2.282	3.167	9.9	22.5
4 11	10 33.66	+ 7 29.9	2.364	3.162	12.7	22.7

436725 2011 UP_{169} 3 3.9 263.°04 2.°1/ 1.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 22.53	+12 39.2	2.467	3.316	10.0	21.2
2 11	11 16.69	+12 58.9	2.385	3.307	7.2	21.0
2 21	11 9.26	+13 21.0	2.329	3.299	4.1	20.8
3 2	11 0.84	+13 41.5	2.304	3.290	2.1	20.6
3 12	10 52.21	+13 56.1	2.308	3.281	4.2	20.8
3 22	10 44.17	+14 1.7	2.342	3.272	7.4	21.0
4 1	10 37.43	+13 56.4	2.402	3.264	10.4	21.1
4 11	10 32.51	+13 39.7	2.485	3.255	13.0	21.3

475553 2006 TL_{78} 3 3.9 192.°76 18.°0/21.8 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 47.13	+43 15.6	1.138	1.965	20.6	21.2
2 11	11 36.60	+44 59.2	1.103	1.965	18.8	21.0
2 21	11 21.09	+46 7.2	1.088	1.964	18.0	21.0
3 2	11 2.73	+46 21.0	1.092	1.963	18.6	21.0
3 12	10 44.69	+45 32.7	1.116	1.961	20.3	21.1
3 22	10 29.77	+43 47.8	1.157	1.958	22.7	21.3
4 1	10 19.62	+41 19.5	1.215	1.956	25.1	21.4
4 11	10 14.61	+38 23.3	1.285	1.952	27.3	21.6

408996 2002 UC_{60} 3 3.9 122.°59 2.°4/ 6.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 21.62	− 4 58.7	2.084	2.888	13.3	22.2
2 11	11 16.14	− 4 10.7	2.016	2.906	10.1	22.0
2 21	11 8.96	− 3 4.1	1.973	2.923	6.5	21.8
3 2	11 0.78	− 1 43.0	1.958	2.940	3.1	21.6
3 12	10 52.50	− 0 14.0	1.973	2.957	3.3	21.7
3 22	10 44.98	+ 1 15.5	2.017	2.972	6.7	21.9
4 1	10 38.96	+ 2 38.4	2.090	2.987	10.1	22.1
4 11	10 34.92	+ 3 49.5	2.186	3.001	13.1	22.3

422207 2014 RD_{50} 3 3.9 157.°09 1.°9/ 2.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 25.39	+10 0.4	1.945	2.794	12.3	21.4
2 11	11 19.00	+10 39.4	1.878	2.801	8.7	21.2
2 21	11 10.64	+11 24.5	1.837	2.807	4.8	21.0
3 2	11 1.08	+12 9.8	1.824	2.812	1.9	20.8
3 12	10 51.36	+12 49.0	1.841	2.817	4.7	21.0
3 22	10 42.50	+13 17.4	1.886	2.821	8.5	21.2
4 1	10 35.35	+13 32.0	1.957	2.825	12.1	21.4
4 11	10 30.47	+13 31.8	2.049	2.828	15.0	21.7

131549 2001 VJ_{21} 3 3.9 32.°70 1.°4/ 4.8 18

2 1	11 22.32	+ 1 42.0	1.061	1.926	19.0	19.3
2 11	11 17.75	+ 1 54.1	1.013	1.940	13.9	19.1
2 21	11 10.26	+ 2 27.1	0.985	1.954	8.2	18.8
3 2	11 1.03	+ 3 14.8	0.980	1.970	2.3	18.5
3 12	10 51.70	+ 4 7.6	1.000	1.986	4.7	18.7
3 22	10 43.83	+ 4 55.9	1.042	2.004	10.4	19.1
4 1	10 38.60	+ 5 31.9	1.107	2.022	15.4	19.4
4 11	10 36.61	+ 5 51.2	1.189	2.041	19.5	19.7

91470 1999 RX_{87} 3 3.9 108.°43 1.°0/ 2.9 18

2 1	11 22.50	+ 7 41.9	1.981	2.830	12.1	19.2
2 11	11 16.89	+ 8 12.9	1.915	2.836	8.7	19.0
2 21	11 9.44	+ 8 51.7	1.873	2.843	4.7	18.7
3 2	11 0.89	+ 9 33.2	1.860	2.850	1.1	18.5
3 12	10 52.19	+10 11.6	1.876	2.856	4.0	18.7
3 22	10 44.29	+10 42.1	1.920	2.863	7.9	19.0
4 1	10 37.97	+11 1.2	1.990	2.869	11.4	19.2
4 11	10 33.79	+11 7.1	2.081	2.875	14.4	19.4

456897 2007 VZ_{180} 3 3.9 133.°55 1.°1/ 2.9 18

2 1	11 25.06	+ 7 3.1	1.872	2.717	12.9	22.6
2 11	11 18.76	+ 7 47.3	1.810	2.731	9.2	22.4
2 21	11 10.50	+ 8 40.6	1.774	2.743	5.0	22.2
3 2	11 1.06	+ 9 37.0	1.766	2.756	1.2	21.9
3 12	10 51.52	+10 29.6	1.787	2.767	4.2	22.1
3 22	10 42.88	+11 12.8	1.837	2.778	8.3	22.4
4 1	10 36.00	+11 42.6	1.913	2.788	12.0	22.7
4 11	10 31.42	+11 57.3	2.010	2.798	15.0	22.9

312713 2010 QS_3 3 3.9 230.°04 1.°8/ 2.1 17

2 1	11 22.54	+ 7 57.2	1.939	2.789	12.3	21.4
2 11	11 17.16	+ 9 4.5	1.854	2.777	8.8	21.2
2 21	11 9.74	+10 22.7	1.794	2.765	4.8	20.9
3 2	11 0.97	+11 45.0	1.763	2.752	1.8	20.7
3 12	10 51.81	+13 3.3	1.762	2.738	4.8	20.8
3 22	10 43.29	+14 10.4	1.789	2.724	9.0	21.0
4 1	10 36.35	+15 0.9	1.842	2.709	12.8	21.2
4 11	10 31.65	+15 32.6	1.916	2.693	16.0	21.4

415784 2000 WS_{51} 3 3.9 95.°49 5.°6/27.3 18

2 1	11 25.10	+21 25.7	2.016	2.876	11.5	21.7
2 11	11 18.64	+22 34.5	1.977	2.898	8.5	21.6
2 21	11 10.33	+23 38.6	1.964	2.919	6.2	21.5
3 2	11 1.02	+24 30.2	1.980	2.940	5.8	21.5
3 12	10 51.75	+25 3.6	2.023	2.961	7.7	21.6
3 22	10 43.49	+25 16.1	2.093	2.981	10.4	21.8
4 1	10 37.00	+25 8.0	2.187	3.001	13.0	22.0
4 11	10 32.75	+24 41.4	2.301	3.021	15.2	22.2

87915 2000 SB_{315} 3 3.9 142.°30 6.°0/ 9.3 18

2 1	11 23.31	−11 34.5	2.043	2.812	14.8	19.9
2 11	11 17.57	−12 4.7	1.962	2.816	12.1	19.7
2 21	11 9.90	−12 14.2	1.903	2.820	9.2	19.6
3 2	11 0.99	−12 2.5	1.870	2.824	6.7	19.4
3 12	10 51.78	−11 32.1	1.864	2.828	6.1	19.4
3 22	10 43.27	−10 47.8	1.887	2.831	7.9	19.5
4 1	10 36.30	− 9 55.9	1.935	2.835	10.7	19.7
4 11	10 31.50	− 9 3.5	2.007	2.838	13.5	19.9

465131 2006 YO_9 3 3.9 83.°15 4.°9/ 8.2 18

2 1	11 24.05	− 8 15.5	1.757	2.551	15.8	21.0
2 11	11 18.14	− 8 26.6	1.695	2.571	12.5	20.8
2 21	11 10.19	− 8 15.7	1.655	2.592	8.8	20.7
3 2	11 1.02	− 7 44.4	1.642	2.611	5.7	20.5
3 12	10 51.75	− 6 57.2	1.656	2.631	5.2	20.5
3 22	10 43.42	− 6 0.8	1.697	2.650	7.8	20.7
4 1	10 36.92	− 5 2.6	1.764	2.670	11.2	21.0
4 11	10 32.80	− 4 9.4	1.854	2.688	14.3	21.2

229110 2004 RG_{64} 3 3.9 139.°67 0.°2/ 4.1 18

2 1	11 22.29	+ 3 42.7	2.349	3.179	11.1	21.6
2 11	11 16.49	+ 4 12.3	2.280	3.191	8.0	21.4
2 21	11 9.14	+ 4 51.5	2.236	3.202	4.6	21.2
3 2	11 0.86	+ 5 36.3	2.222	3.213	0.8	20.9
3 12	10 52.46	+ 6 21.8	2.239	3.223	3.0	21.1
3 22	10 44.73	+ 7 3.5	2.285	3.232	6.5	21.3
4 1	10 38.35	+ 7 37.3	2.358	3.241	9.7	21.6
4 11	10 33.79	+ 8 0.8	2.455	3.249	12.4	21.7

121315 Mikelentz 3 3.9 244.°74 1.°1/ 5.1 17

2 1	11 21.66	+ 0 56.8	2.232	3.057	11.9	20.6
2 11	11 16.32	+ 1 18.0	2.137	3.042	8.8	20.4
2 21	11 9.20	+ 1 51.8	2.066	3.027	5.3	20.1
3 2	11 0.89	+ 2 35.3	2.023	3.012	1.7	19.8
3 12	10 52.23	+ 3 23.8	2.011	2.996	3.0	19.9
3 22	10 44.09	+ 4 11.8	2.028	2.980	6.9	20.1
4 1	10 37.28	+ 4 54.5	2.072	2.963	10.5	20.3
4 11	10 32.40	+ 5 27.8	2.139	2.946	13.6	20.5

205666 2001 XS_{178} 3 3.9 341.°76 8.°2/25.9 18

2 1	11 16.14	+17 43.5	1.041	1.940	16.3	18.7
2 11	11 13.77	+19 50.7	0.983	1.926	12.1	18.4
2 21	11 8.32	+22 4.2	0.946	1.913	8.7	18.2
3 2	11 0.77	+24 6.3	0.932	1.902	8.8	18.1
3 12	10 52.73	+25 40.2	0.941	1.892	12.3	18.3
3 22	10 45.89	+26 35.1	0.970	1.884	16.9	18.5
4 1	10 41.68	+26 48.3	1.017	1.877	21.2	18.7
4 11	10 40.89	+26 23.1	1.078	1.872	24.8	19.0

141894 2002 PC_{56} 3 3.9 189.°57 0.°4/ 4.3 18

2 1	11 21.88	+ 2 0.5	1.994	2.827	12.7	20.4
2 11	11 16.54	+ 2 48.4	1.914	2.826	9.3	20.2
2 21	11 9.32	+ 3 50.5	1.860	2.825	5.3	19.9
3 2	11 0.91	+ 5 2.0	1.833	2.823	1.1	19.6
3 12	10 52.23	+ 6 15.9	1.836	2.821	3.4	19.8
3 22	10 44.23	+ 7 25.4	1.869	2.818	7.6	20.1
4 1	10 37.76	+ 8 24.5	1.927	2.815	11.3	20.3
4 11	10 33.41	+ 9 9.3	2.009	2.811	14.5	20.5

125133 2001 UB_{60} 3 3.9 18.°33 4.°9/29.8 18

2 1	11 25.32	+14 56.7	1.181	2.061	16.4	19.1
2 11	11 19.91	+15 44.1	1.128	2.063	11.8	18.9
2 21	11 11.51	+16 34.6	1.096	2.067	7.1	18.6
3 2	11 1.27	+17 17.7	1.088	2.071	4.9	18.5
3 12	10 50.86	+17 43.9	1.105	2.075	8.1	18.7
3 22	10 41.85	+17 47.6	1.146	2.081	12.8	18.9
4 1	10 35.50	+17 27.6	1.208	2.087	17.2	19.2
4 11	10 32.45	+16 46.1	1.287	2.093	20.9	19.5

19802 2000 RD_{72} 3 3.9 83.°44 0.°9/ 4.7 18

2 1	11 24.71	+ 0 56.7	1.526	2.365	15.6	18.9
2 11	11 18.72	+ 1 37.5	1.477	2.390	11.4	18.7
2 21	11 10.53	+ 2 35.2	1.450	2.415	6.6	18.5
3 2	11 1.09	+ 3 43.6	1.450	2.439	1.7	18.3
3 12	10 51.65	+ 4 54.2	1.478	2.463	3.8	18.5
3 22	10 43.37	+ 5 59.0	1.533	2.487	8.5	18.8
4 1	10 37.16	+ 6 51.5	1.614	2.510	12.6	19.1
4 11	10 33.53	+ 7 28.3	1.715	2.533	16.0	19.4

345675 2006 UQ_{68} 3 3.9 165.°31 2.°7/29.6 17

2 1	11 19.75	+14 5.1	2.615	3.469	9.4	21.3
2 11	11 14.63	+14 55.0	2.547	3.472	6.6	21.1
2 21	11 8.09	+15 47.0	2.506	3.474	3.9	21.0
3 2	11 0.70	+16 36.1	2.495	3.476	2.7	20.9
3 12	10 53.19	+17 17.6	2.514	3.478	4.7	21.0
3 22	10 46.24	+17 47.7	2.562	3.480	7.4	21.2
4 1	10 40.48	+18 4.4	2.635	3.481	10.1	21.4
4 11	10 36.37	+18 7.1	2.731	3.482	12.3	21.5

28348 1999 FO_{23} 3 3.9 359.°57 0.°9/ 4.7 18

2 1	11 22.24	+ 3 5.4	2.017	2.853	12.5	17.3
2 11	11 16.75	+ 3 5.4	1.940	2.852	9.2	17.1
2 21	11 9.42	+ 3 15.9	1.887	2.852	5.4	16.9
3 2	11 0.94	+ 3 33.9	1.862	2.852	1.5	16.6
3 12	10 52.22	+ 3 55.0	1.866	2.852	3.2	16.7
3 22	10 44.22	+ 4 15.0	1.899	2.852	7.2	17.0
4 1	10 37.74	+ 4 29.9	1.958	2.852	10.8	17.2
4 11	10 33.36	+ 4 36.5	2.039	2.853	13.9	17.4

274369 2008 RL_{75} 3 3.9 183.°86 6.°9/26.6 18

2 1	11 34.51	+30 8.3	2.460	3.289	10.7	20.6
2 11	11 25.23	+30 40.8	2.398	3.290	8.6	20.5
2 21	11 13.99	+31 1.9	2.364	3.289	7.1	20.4
3 2	11 1.66	+31 5.3	2.358	3.289	7.0	20.4
3 12	10 49.34	+30 47.2	2.383	3.288	8.4	20.5
3 22	10 38.07	+30 7.2	2.436	3.286	10.6	20.6
4 1	10 28.68	+29 7.5	2.515	3.284	12.7	20.7
4 11	10 21.70	+27 52.2	2.614	3.281	14.7	20.9

168072 2006 DU_4 3 3.9 284.°69 0.°9/ 3.3 18

2 1	11 23.95	+ 6 34.1	1.457	2.315	15.2	20.4
2 11	11 18.77	+ 7 4.3	1.373	2.299	11.0	20.1
2 21	11 10.92	+ 7 47.6	1.313	2.284	6.2	19.8
3 2	11 1.22	+ 8 37.9	1.278	2.268	1.2	19.4
3 12	10 50.97	+ 9 26.9	1.270	2.253	4.9	19.6
3 22	10 41.57	+10 7.0	1.288	2.237	10.2	19.9
4 1	10 34.26	+10 32.4	1.329	2.222	15.0	20.1
4 11	10 29.86	+10 39.9	1.390	2.207	19.1	20.3

101849 1999 JJ_{91} 3 3.9 288.°42 3.°3/28.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 17.99	+13 7.3	2.189	3.051	10.6	19.4
2 11	11 13.76	+14 31.2	2.104	3.033	7.6	19.2
2 21	11 7.80	+16 1.4	2.046	3.015	4.5	18.9
3 2	11 0.69	+17 30.8	2.017	2.997	3.5	18.8
3 12	10 53.24	+18 51.6	2.018	2.979	5.9	19.0
3 22	10 46.32	+19 57.5	2.046	2.962	9.2	19.1
4 1	10 40.72	+20 44.5	2.100	2.944	12.3	19.3
4 11	10 37.04	+21 11.2	2.174	2.926	15.1	19.5

299314 2005 QH_{90} 3 3.9 141.°60 3.°1/ 7.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 21.29	− 5 16.9	2.693	3.482	11.0	20.8
2 11	11 15.69	− 5 28.3	2.611	3.488	8.6	20.7
2 21	11 8.69	− 5 27.0	2.554	3.494	5.9	20.5
3 2	11 0.82	− 5 14.0	2.526	3.500	3.6	20.4
3 12	10 52.79	− 4 51.9	2.528	3.505	3.4	20.4
3 22	10 45.28	− 4 24.1	2.559	3.510	5.7	20.5
4 1	10 38.92	− 3 54.8	2.619	3.515	8.4	20.7
4 11	10 34.16	− 3 27.6	2.703	3.520	10.8	20.9

435914 2009 BX_{81} 3 3.9 308.°07 2.°3/ 2.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 26.72	+13 2.0	1.952	2.804	12.2	20.6
2 11	11 20.32	+13 5.1	1.851	2.774	8.8	20.4
2 21	11 11.63	+13 10.2	1.775	2.745	5.1	20.1
3 2	11 1.34	+13 12.5	1.728	2.715	2.3	19.8
3 12	10 50.53	+13 7.2	1.710	2.686	5.0	19.9
3 22	10 40.32	+12 50.9	1.721	2.657	9.2	20.1
4 1	10 31.78	+12 21.8	1.757	2.628	13.1	20.3
4 11	10 25.67	+11 39.8	1.815	2.599	16.5	20.5

148841 2001 VL_{11} 3 3.9 102.°55 6.°0/ 9.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 22.49	−10 44.7	1.846	2.628	15.7	19.7
2 11	11 17.17	−11 9.6	1.766	2.630	12.7	19.5
2 21	11 9.77	−11 12.2	1.708	2.632	9.5	19.3
3 2	11 1.02	−10 52.2	1.675	2.634	6.8	19.1
3 12	10 51.96	−10 12.7	1.668	2.637	6.1	19.1
3 22	10 43.63	− 9 19.3	1.689	2.639	8.2	19.2
4 1	10 36.99	− 8 19.5	1.736	2.641	11.3	19.4
4 11	10 32.66	− 7 20.9	1.805	2.643	14.4	19.6

175611 2006 VF_{31} 3 3.9 161.°28 1.°5/ 1.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 19.60	+10 27.0	2.925	3.769	8.8	21.2
2 11	11 14.38	+11 5.0	2.853	3.774	6.2	21.0
2 21	11 7.91	+11 46.7	2.810	3.779	3.4	20.9
3 2	11 0.70	+12 28.4	2.796	3.783	1.5	20.7
3 12	10 53.38	+13 6.0	2.813	3.787	3.4	20.9
3 22	10 46.55	+13 36.1	2.860	3.791	6.2	21.1
4 1	10 40.79	+13 56.6	2.934	3.794	8.8	21.2
4 11	10 36.48	+14 6.0	3.032	3.797	11.0	21.4

499893 2011 FH_{130} 3 3.9 0.°50 2.°8/ 5.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 22.59	− 0 1.6	1.459	2.301	16.1	20.6
2 11	11 17.60	− 0 26.7	1.387	2.299	12.1	20.3
2 21	11 10.14	− 0 35.8	1.337	2.298	7.7	20.1
3 2	11 1.09	− 0 30.7	1.312	2.297	3.5	19.8
3 12	10 51.71	− 0 15.8	1.313	2.298	4.3	19.9
3 22	10 43.27	+ 0 3.2	1.340	2.300	8.8	20.1
4 1	10 36.89	+ 0 20.4	1.391	2.302	13.2	20.4
4 11	10 33.25	+ 0 30.7	1.462	2.305	17.0	20.6

266366 2007 EO_{62} 3 3.9 92.°74 2.°0/ 2.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 21.85	+ 9 22.5	1.812	2.669	12.7	21.0
2 11	11 16.61	+10 12.8	1.747	2.674	9.0	20.8
2 21	11 9.39	+11 10.9	1.708	2.679	5.0	20.5
3 2	11 0.96	+12 10.2	1.696	2.684	2.0	20.3
3 12	10 52.35	+13 3.2	1.712	2.689	4.9	20.5
3 22	10 44.59	+13 44.4	1.757	2.694	8.9	20.8
4 1	10 38.54	+14 9.9	1.825	2.699	12.5	21.0
4 11	10 34.76	+14 18.4	1.915	2.704	15.6	21.2

466393 2013 SF_{47} 3 3.9 206.°68 0.°3/ 3.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 22.05	+ 5 0.4	2.309	3.144	11.1	22.5
2 11	11 16.49	+ 5 38.0	2.224	3.139	8.0	22.3
2 21	11 9.26	+ 6 25.3	2.165	3.133	4.5	22.0
3 2	11 0.95	+ 7 18.0	2.136	3.126	0.7	21.7
3 12	10 52.38	+ 8 10.7	2.136	3.119	3.3	21.9
3 22	10 44.39	+ 8 58.3	2.167	3.111	7.0	22.2
4 1	10 37.73	+ 9 36.5	2.224	3.103	10.4	22.4
4 11	10 32.94	+10 2.7	2.304	3.094	13.3	22.5

249109 2007 VH_{306} 3 3.9 137.°21 1.°0/ 2.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 23.48	+ 6 26.9	1.945	2.790	12.5	21.5
2 11	11 17.62	+ 7 20.3	1.881	2.802	8.9	21.3
2 21	11 9.89	+ 8 23.5	1.843	2.813	4.9	21.1
3 2	11 1.04	+ 9 30.4	1.834	2.824	1.1	20.8
3 12	10 52.06	+10 33.8	1.854	2.834	4.1	21.1
3 22	10 43.90	+11 27.8	1.902	2.844	8.1	21.3
4 1	10 37.39	+12 8.0	1.977	2.853	11.6	21.6
4 11	10 33.05	+12 32.4	2.074	2.861	14.6	21.8

337667 2001 TG_{178} 3 3.9 151.°92 3.°5/ 8.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 18.52	− 8 44.1	2.679	3.455	11.4	21.3
2 11	11 13.75	− 8 28.2	2.595	3.461	9.0	21.2
2 21	11 7.62	− 7 56.0	2.535	3.467	6.4	21.0
3 2	11 0.67	− 7 9.3	2.504	3.472	4.1	20.9
3 12	10 53.56	− 6 11.5	2.502	3.477	3.7	20.8
3 22	10 46.95	− 5 7.5	2.529	3.482	5.7	21.0
4 1	10 41.44	− 4 2.5	2.585	3.486	8.3	21.1
4 11	10 37.48	− 3 1.4	2.666	3.490	10.7	21.3

155594 2000 CP_{22} 3 3.9 90.°24 0.°2/ 4.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 23.55	+ 2 9.5	1.358	2.209	16.5	20.0
2 11	11 18.26	+ 3 2.6	1.301	2.222	12.0	19.7
2 21	11 10.46	+ 4 14.4	1.266	2.234	6.8	19.5
3 2	11 1.15	+ 5 37.5	1.257	2.247	1.2	19.1
3 12	10 51.67	+ 7 1.4	1.274	2.259	4.4	19.4
3 22	10 43.35	+ 8 16.3	1.318	2.272	9.6	19.7
4 1	10 37.26	+ 9 14.9	1.386	2.284	14.2	20.0
4 11	10 34.01	+ 9 53.5	1.474	2.296	17.9	20.3

93144 2000 SM_{78} 3 3.9 264.°26 0.°0/ 3.8 18 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 20.65	+ 3 49.9	1.872	2.716	13.0	20.2
2 11	11 15.83	+ 4 30.3	1.789	2.708	9.4	19.9
2 21	11 9.03	+ 5 23.9	1.732	2.700	5.3	19.7
3 2	11 0.94	+ 6 25.8	1.702	2.692	0.9	19.3
3 12	10 52.52	+ 7 29.1	1.700	2.684	3.7	19.5
3 22	10 44.79	+ 8 26.9	1.727	2.676	8.1	19.8
4 1	10 38.63	+ 9 13.7	1.778	2.668	12.0	20.0
4 11	10 34.68	+ 9 45.8	1.852	2.660	15.4	20.2

231302 2006 BM_{165} 3 3.9 199.°25 0.°8/ 3.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 20.53	+ 6 8.6	2.216	3.059	11.2	21.4
2 11	11 15.44	+ 6 54.9	2.137	3.057	8.0	21.1
2 21	11 8.68	+ 7 50.6	2.085	3.054	4.4	20.9
3 2	11 0.87	+ 8 50.7	2.061	3.051	0.9	20.6
3 12	10 52.84	+ 9 49.3	2.067	3.048	3.6	20.8
3 22	10 45.42	+10 40.9	2.103	3.045	7.3	21.1
4 1	10 39.36	+11 21.3	2.164	3.041	10.7	21.3
4 11	10 35.18	+11 47.9	2.248	3.037	13.6	21.5

206776 2004 CS_{78} 3 3.9 50.°65 0.°8/ 3.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 20.48	+ 5 57.9	1.797	2.648	13.0	20.4
2 11	11 15.49	+ 6 43.2	1.747	2.671	9.2	20.2
2 21	11 8.69	+ 7 38.3	1.723	2.693	5.0	20.0
3 2	11 0.86	+ 8 37.3	1.725	2.716	0.9	19.7
3 12	10 53.01	+ 9 33.0	1.757	2.739	3.9	20.0
3 22	10 46.09	+10 19.8	1.816	2.762	8.0	20.3
4 1	10 40.83	+10 53.4	1.900	2.785	11.5	20.5
4 11	10 37.73	+11 12.0	2.005	2.809	14.5	20.8

341500 2007 TL_{399} 3 3.9 54.°80 3.°9/ 8.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 17.94	− 8 53.3	1.987	2.781	14.2	20.6
2 11	11 13.62	− 8 19.9	1.923	2.800	11.2	20.4
2 21	11 7.65	− 7 24.6	1.881	2.820	7.8	20.3
3 2	11 0.70	− 6 10.7	1.866	2.839	4.7	20.1
3 12	10 53.66	− 4 44.2	1.879	2.859	4.1	20.1
3 22	10 47.37	− 3 12.8	1.921	2.879	6.7	20.3
4 1	10 42.55	− 1 44.2	1.990	2.899	9.9	20.5
4 11	10 39.66	− 0 25.0	2.082	2.919	12.9	20.8

106459 2000 WD_3 3 3.9 32.°06 19.°5/19.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 24.98	−31 31.0	1.167	1.859	27.5	19.2
2 11	11 20.53	−33 43.4	1.103	1.861	25.5	19.0
2 21	11 12.42	−35 11.3	1.051	1.863	23.3	18.9
3 2	11 1.58	−35 42.6	1.013	1.865	21.2	18.7
3 12	10 49.81	−35 11.5	0.990	1.867	19.8	18.6
3 22	10 39.19	−33 41.3	0.985	1.869	19.5	18.6
4 1	10 31.59	−31 24.8	0.997	1.872	20.4	18.7
4 11	10 28.11	−28 41.9	1.026	1.874	22.2	18.8

180068 2003 BK_{82} 3 3.9 112.°83 0.°7/ 3.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 25.64	+ 6 47.3	1.960	2.801	12.6	20.2
2 11	11 19.10	+ 7 12.5	1.901	2.819	9.0	20.0
2 21	11 10.69	+ 7 45.8	1.867	2.835	4.9	19.8
3 2	11 1.20	+ 8 22.3	1.861	2.852	0.9	19.6
3 12	10 51.66	+ 8 56.5	1.886	2.868	3.7	19.8
3 22	10 43.02	+ 9 23.6	1.939	2.883	7.7	20.1
4 1	10 36.09	+ 9 40.5	2.019	2.898	11.2	20.3
4 11	10 31.37	+ 9 45.3	2.120	2.913	14.2	20.6

489645 2007 TL_{443} 3 3.9 195.°09 1.°2/ 2.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 24.09	+ 7 12.3	2.106	2.948	11.8	22.7
2 11	11 18.10	+ 8 6.3	2.026	2.945	8.4	22.5
2 21	11 10.22	+ 9 9.7	1.972	2.941	4.6	22.2
3 2	11 1.15	+10 16.8	1.947	2.937	1.3	22.0
3 12	10 51.79	+11 20.8	1.953	2.932	4.1	22.2
3 22	10 43.11	+12 15.7	1.988	2.926	8.0	22.4
4 1	10 35.94	+12 57.2	2.050	2.919	11.6	22.6
4 11	10 30.87	+13 23.0	2.133	2.911	14.6	22.8

257244 2009 EP_{26} 3 3.9 303.°30 1.°0/ 4.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 20.53	+ 1 20.9	1.438	2.288	15.8	20.9
2 11	11 16.38	+ 1 50.5	1.348	2.267	11.8	20.6
2 21	11 9.66	+ 2 40.1	1.279	2.246	7.0	20.3
3 2	11 1.09	+ 3 45.2	1.236	2.226	1.8	19.9
3 12	10 51.90	+ 4 57.8	1.219	2.206	4.2	20.0
3 22	10 43.42	+ 6 8.3	1.228	2.186	9.7	20.3
4 1	10 36.91	+ 7 8.1	1.261	2.166	14.7	20.5
4 11	10 33.25	+ 7 50.9	1.313	2.147	19.0	20.7

148031 1998 FG_{101} 3 3.9 315.°91 6.°6/11.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 15.58	−17 48.7	2.049	2.792	15.5	19.5
2 11	11 12.22	−17 16.2	1.939	2.772	13.1	19.3
2 21	11 7.04	−16 13.2	1.851	2.751	10.4	19.1
3 2	11 0.63	−14 39.2	1.787	2.731	7.8	18.9
3 12	10 53.83	−12 38.2	1.749	2.711	6.6	18.8
3 22	10 47.54	−10 18.0	1.740	2.692	7.9	18.8
4 1	10 42.61	− 7 49.5	1.759	2.673	10.7	18.9
4 11	10 39.70	− 5 24.0	1.804	2.654	13.9	19.1

102826 1999 VA_{184} 3 3.9 124.°30 0.°4/ 3.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 24.06	+ 4 45.4	1.887	2.727	13.0	21.0
2 11	11 18.06	+ 5 31.1	1.826	2.743	9.3	20.8
2 21	11 10.16	+ 6 28.1	1.789	2.758	5.2	20.6
3 2	11 1.13	+ 7 30.4	1.781	2.772	0.8	20.3
3 12	10 51.99	+ 8 31.3	1.803	2.786	3.8	20.6
3 22	10 43.73	+ 9 24.5	1.853	2.799	7.9	20.8
4 1	10 37.18	+10 5.3	1.929	2.811	11.6	21.1
4 11	10 32.85	+10 31.4	2.028	2.823	14.6	21.3

177948 2006 KV 3 3.9 260.°42 2.°1/ 2.1 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 23.43	+ 8 54.7	1.682	2.538	13.5	21.1
2 11	11 18.15	+ 9 49.7	1.596	2.522	9.7	20.9
2 21	11 10.50	+10 55.5	1.535	2.506	5.4	20.6
3 2	11 1.23	+12 5.1	1.500	2.489	2.1	20.3
3 12	10 51.47	+13 9.7	1.495	2.472	5.4	20.5
3 22	10 42.44	+14 1.8	1.516	2.454	10.0	20.7
4 1	10 35.23	+14 36.3	1.561	2.436	14.2	20.9
4 11	10 30.60	+14 50.9	1.627	2.418	17.8	21.1

148784 2001 UK_{25} 3 3.9 88.°57 6.°9/10.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 21.82	−14 55.7	1.865	2.624	16.3	19.7
2 11	11 16.61	−15 9.9	1.795	2.638	13.5	19.6
2 21	11 9.43	−14 58.0	1.745	2.652	10.5	19.4
3 2	11 1.02	−14 19.9	1.720	2.666	7.9	19.3
3 12	10 52.43	−13 19.3	1.721	2.680	6.9	19.2
3 22	10 44.65	−12 2.8	1.749	2.694	8.4	19.3
4 1	10 38.56	−10 39.2	1.803	2.708	11.0	19.5
4 11	10 34.73	− 9 17.1	1.880	2.721	13.8	19.7

87697 2000 SA_{15} 3 3.9 56.°30 5.°1/ 7.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 25.59	− 6 42.0	1.643	2.446	16.3	17.8
2 11	11 19.40	− 7 19.0	1.583	2.466	12.8	17.6
2 21	11 11.00	− 7 35.3	1.546	2.485	9.1	17.4
3 2	11 1.29	− 7 31.5	1.534	2.504	5.8	17.3
3 12	10 51.45	− 7 11.0	1.549	2.524	5.5	17.3
3 22	10 42.64	− 6 39.6	1.591	2.544	8.3	17.5
4 1	10 35.81	− 6 4.0	1.658	2.564	11.7	17.8
4 11	10 31.52	− 5 31.0	1.748	2.584	14.9	18.0

498165 2007 TB_{168} 3 3.9 134.°76 0.°6/ 3.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 21.37	+ 6 48.0	2.620	3.456	9.9	22.2
2 11	11 15.74	+ 7 16.4	2.551	3.467	7.1	22.1
2 21	11 8.73	+ 7 51.2	2.510	3.478	3.9	21.9
3 2	11 0.91	+ 8 28.5	2.499	3.489	0.7	21.6
3 12	10 52.99	+ 9 4.3	2.518	3.499	3.0	21.8
3 22	10 45.67	+ 9 34.7	2.567	3.509	6.2	22.1
4 1	10 39.55	+ 9 56.9	2.644	3.519	9.1	22.3
4 11	10 35.07	+10 9.1	2.744	3.528	11.5	22.4

500309 2012 RY 3 3.9 255.°30 1.°1/ 2.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 18.55	+ 5 35.6	2.087	2.935	11.7	20.7
2 11	11 14.17	+ 6 46.8	2.005	2.927	8.3	20.5
2 21	11 8.05	+ 8 10.2	1.949	2.920	4.6	20.3
3 2	11 0.82	+ 9 39.5	1.922	2.912	1.1	20.0
3 12	10 53.30	+11 7.1	1.925	2.904	4.0	20.2
3 22	10 46.37	+12 25.9	1.956	2.896	7.9	20.4
4 1	10 40.81	+13 30.3	2.013	2.888	11.5	20.6
4 11	10 37.20	+14 17.3	2.092	2.880	14.5	20.8

498721 2008 TB_{109} 3 3.9 199.°06 1.°2/ 2.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 20.66	+ 7 44.9	2.496	3.338	10.2	22.3
2 11	11 15.41	+ 8 35.8	2.415	3.334	7.2	22.1
2 21	11 8.63	+ 9 34.2	2.360	3.330	4.0	21.8
3 2	11 0.91	+10 35.2	2.336	3.326	1.2	21.6
3 12	10 52.97	+11 33.4	2.342	3.320	3.6	21.8
3 22	10 45.56	+12 23.9	2.378	3.315	7.0	22.0
4 1	10 39.37	+13 3.1	2.441	3.309	10.0	22.2
4 11	10 34.89	+13 29.0	2.527	3.302	12.6	22.4

218690 2005 TU_{74} 3 3.9 131.°97 2.°0/ 5.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 23.98	− 0 33.2	1.969	2.790	13.3	20.7
2 11	11 18.03	− 0 29.7	1.896	2.797	10.0	20.5
2 21	11 10.19	− 0 12.3	1.847	2.805	6.2	20.3
3 2	11 1.17	+ 0 16.5	1.826	2.812	2.6	20.0
3 12	10 51.95	+ 0 51.8	1.834	2.818	3.4	20.1
3 22	10 43.51	+ 1 28.5	1.870	2.825	7.1	20.3
4 1	10 36.68	+ 2 1.6	1.933	2.831	10.8	20.6
4 11	10 32.03	+ 2 26.8	2.019	2.837	13.9	20.8

426690 2013 TM_{26} 3 3.9 229.°72 0.°6/ 4.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 20.82	+ 2 1.7	2.039	2.872	12.5	21.8
2 11	11 15.82	+ 2 36.8	1.955	2.867	9.1	21.6
2 21	11 9.00	+ 3 25.4	1.895	2.860	5.3	21.3
3 2	11 0.98	+ 4 23.2	1.864	2.854	1.2	21.0
3 12	10 52.68	+ 5 24.2	1.862	2.847	3.2	21.1
3 22	10 45.00	+ 6 22.3	1.889	2.840	7.3	21.4
4 1	10 38.78	+ 7 11.9	1.942	2.833	11.1	21.6
4 11	10 34.60	+ 7 49.2	2.018	2.826	14.2	21.8

295690 2008 TP_{138} 3 3.9 244.°67 0.°7/ 4.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 25.76	+ 2 30.9	1.650	2.488	14.7	21.7
2 11	11 19.90	+ 2 53.5	1.559	2.473	10.9	21.4
2 21	11 11.53	+ 3 31.6	1.491	2.457	6.4	21.1
3 2	11 1.43	+ 4 21.0	1.451	2.441	1.5	20.7
3 12	10 50.77	+ 5 15.0	1.438	2.424	4.0	20.9
3 22	10 40.82	+ 6 6.2	1.454	2.406	9.0	21.1
4 1	10 32.76	+ 6 47.9	1.494	2.388	13.6	21.3
4 11	10 27.39	+ 7 15.7	1.556	2.369	17.5	21.6

19559 1999 JY_{80} 3 3.9 167.°16 2.°6/29.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 20.79	+11 27.7	2.313	3.166	10.5	18.7
2 11	11 15.58	+12 46.5	2.245	3.170	7.4	18.5
2 21	11 8.75	+14 10.9	2.205	3.174	4.2	18.3
3 2	11 0.93	+15 34.2	2.194	3.177	2.7	18.2
3 12	10 52.94	+16 49.5	2.214	3.180	5.0	18.4
3 22	10 45.57	+17 51.3	2.262	3.182	8.2	18.6
4 1	10 39.54	+18 36.4	2.337	3.184	11.1	18.8
4 11	10 35.35	+19 3.7	2.433	3.185	13.7	18.9

208560 2002 AT_{205} 3 3.9 105.°43 5.°0/26.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 20.76	+20 55.8	2.348	3.208	10.0	20.1
2 11	11 15.52	+22 7.8	2.297	3.218	7.4	20.0
2 21	11 8.68	+23 16.9	2.273	3.228	5.4	19.9
3 2	11 0.92	+24 16.4	2.277	3.237	5.2	19.9
3 12	10 53.06	+25 0.7	2.310	3.246	7.0	20.0
3 22	10 45.93	+25 26.5	2.370	3.256	9.4	20.2
4 1	10 40.20	+25 33.0	2.454	3.265	11.9	20.3
4 11	10 36.34	+25 21.5	2.559	3.274	13.9	20.5

497784 2006 SB_{383} 3 3.9 187.°47 0.°3/ 3.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 19.20	+ 5 25.4	2.814	3.648	9.4	22.7
2 11	11 14.20	+ 6 2.5	2.733	3.647	6.7	22.5
2 21	11 7.90	+ 6 47.2	2.679	3.646	3.7	22.3
3 2	11 0.80	+ 7 35.7	2.654	3.645	0.6	22.0
3 12	10 53.53	+ 8 23.8	2.661	3.643	2.8	22.2
3 22	10 46.73	+ 9 7.5	2.697	3.641	5.9	22.4
4 1	10 40.99	+ 9 43.4	2.762	3.638	8.7	22.6
4 11	10 36.73	+10 9.2	2.850	3.635	11.1	22.8

437462 2013 YV_{27} 3 3.9 0.°07 5.°4/27.3 15

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 17.78	+17 56.5	1.728	2.604	12.2	20.6
2 11	11 13.89	+19 22.7	1.670	2.602	8.9	20.4
2 21	11 7.98	+20 49.7	1.637	2.601	6.1	20.2
3 2	11 0.82	+22 8.1	1.631	2.601	5.7	20.2
3 12	10 53.45	+23 9.4	1.651	2.601	8.1	20.3
3 22	10 46.92	+23 48.2	1.697	2.602	11.4	20.5
4 1	10 42.11	+24 2.3	1.765	2.604	14.5	20.7
4 11	10 39.59	+23 52.9	1.852	2.607	17.2	20.9

327418 2005 VL_{122} 3 3.9 37.°47 12.°8/18.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 13.77	−29 11.9	0.924	1.675	29.7	19.8
2 11	11 12.20	−28 27.3	0.867	1.689	26.1	19.6
2 21	11 7.47	−26 32.1	0.821	1.704	21.7	19.4
3 2	11 0.75	−23 21.8	0.791	1.720	17.1	19.2
3 12	10 53.81	−19 6.3	0.782	1.737	13.5	19.0
3 22	10 48.36	−14 11.7	0.795	1.755	13.1	19.1
4 1	10 45.71	− 9 12.8	0.833	1.774	16.0	19.3
4 11	10 46.46	− 4 41.3	0.894	1.793	20.1	19.6

305671 2009 BA_{93} 3 3.9 50.°76 0.°7/ 3.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 21.51	+ 4 8.6	1.267	2.130	16.6	20.8
2 11	11 16.91	+ 5 10.4	1.216	2.144	11.9	20.6
2 21	11 9.77	+ 6 29.5	1.187	2.159	6.6	20.3
3 2	11 1.12	+ 7 56.8	1.183	2.174	1.1	20.0
3 12	10 52.35	+ 9 21.0	1.206	2.189	4.9	20.3
3 22	10 44.80	+10 32.3	1.253	2.205	10.2	20.7
4 1	10 39.53	+11 23.9	1.324	2.221	14.7	21.0
4 11	10 37.11	+11 53.3	1.413	2.237	18.4	21.2

224956 2007 ER_{12} 3 3.9 178.°77 0.°3/ 3.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 23.07	+ 5 40.5	2.099	2.939	11.9	20.8
2 11	11 17.33	+ 6 8.0	2.023	2.940	8.6	20.6
2 21	11 9.79	+ 6 44.7	1.972	2.941	4.8	20.3
3 2	11 1.13	+ 7 26.3	1.950	2.941	0.8	20.0
3 12	10 52.25	+ 8 7.3	1.958	2.941	3.5	20.2
3 22	10 44.07	+ 8 42.7	1.995	2.941	7.4	20.5
4 1	10 37.38	+ 9 8.6	2.058	2.940	10.9	20.7
4 11	10 32.75	+ 9 22.5	2.143	2.939	13.9	20.9

210943 2001 TJ_{228} 3 3.9 63.°87 10.°7/19.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 19.46	−31 25.2	2.310	2.931	16.9	19.7
2 11	11 14.85	−32 0.0	2.235	2.946	15.3	19.5
2 21	11 8.43	−32 5.0	2.176	2.960	13.6	19.4
3 2	11 0.90	−31 37.4	2.137	2.975	12.1	19.3
3 12	10 53.16	−30 38.1	2.121	2.989	11.0	19.3
3 22	10 46.13	−29 11.2	2.128	3.004	10.8	19.3
4 1	10 40.59	−27 24.1	2.159	3.019	11.5	19.4
4 11	10 37.11	−25 26.4	2.214	3.033	12.8	19.5

288293 2004 AC_{25} 3 3.9 57.°74 1.°4/ 2.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 20.64	+ 7 59.3	1.917	2.771	12.3	21.1
2 11	11 15.61	+ 8 43.2	1.860	2.785	8.7	20.9
2 21	11 8.80	+ 9 35.1	1.829	2.800	4.7	20.7
3 2	11 0.96	+10 29.0	1.825	2.814	1.4	20.4
3 12	10 53.03	+11 18.4	1.850	2.829	4.2	20.7
3 22	10 45.93	+11 58.1	1.902	2.844	8.0	20.9
4 1	10 40.42	+12 24.6	1.980	2.859	11.5	21.2
4 11	10 37.00	+12 36.2	2.080	2.875	14.3	21.4

265734 2005 UH_{454} 3 3.9 101.°97 1.°7/ 2.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 27.08	+10 34.2	1.917	2.764	12.5	20.8
2 11	11 20.18	+10 52.3	1.858	2.780	8.9	20.6
2 21	11 11.33	+11 14.8	1.825	2.795	4.9	20.4
3 2	11 1.38	+11 36.8	1.821	2.809	1.7	20.2
3 12	10 51.37	+11 53.1	1.846	2.824	4.4	20.4
3 22	10 42.34	+12 0.0	1.900	2.838	8.3	20.6
4 1	10 35.11	+11 55.5	1.979	2.852	11.8	20.9
4 11	10 30.20	+11 39.1	2.081	2.865	14.7	21.1

3965 Konopleva 3 3.9 94.°10 6.°4/ 9.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 24.24	−12 31.1	1.928	2.694	15.6	16.5
2 11	11 18.29	−13 1.0	1.859	2.710	12.8	16.4
2 21	11 10.37	−13 8.1	1.812	2.726	9.7	16.2
3 2	11 1.24	−12 52.2	1.790	2.742	7.2	16.1
3 12	10 51.91	−12 16.2	1.795	2.757	6.4	16.1
3 22	10 43.41	−11 25.6	1.828	2.772	8.1	16.2
4 1	10 36.60	−10 27.6	1.887	2.787	10.8	16.4
4 11	10 32.06	− 9 29.7	1.969	2.802	13.6	16.6

395737 2012 UC_{87} 3 3.9 108.°80 4.°4/29.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 28.41	+14 19.2	1.367	2.234	15.4	20.7
2 11	11 21.80	+15 18.3	1.316	2.246	11.0	20.4
2 21	11 12.49	+16 20.6	1.289	2.258	6.6	20.2
3 2	11 1.59	+17 16.3	1.287	2.269	4.5	20.1
3 12	10 50.59	+17 56.1	1.312	2.280	7.5	20.3
3 22	10 40.96	+18 14.7	1.363	2.291	11.8	20.6
4 1	10 33.79	+18 10.6	1.436	2.301	15.8	20.9
4 11	10 29.69	+17 45.6	1.528	2.311	19.2	21.1

299950 2006 TQ_{59} 3 3.9 256.°68 3.°7/ 8.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 18.44	− 7 57.6	2.469	3.255	12.0	20.9
2 11	11 13.90	− 7 50.4	2.375	3.247	9.5	20.7
2 21	11 7.85	− 7 26.4	2.305	3.240	6.8	20.5
3 2	11 0.83	− 6 46.8	2.262	3.232	4.3	20.3
3 12	10 53.54	− 5 55.1	2.248	3.224	3.9	20.3
3 22	10 46.73	− 4 56.0	2.263	3.216	6.1	20.4
4 1	10 41.07	− 3 55.2	2.305	3.208	9.0	20.6
4 11	10 37.09	− 2 57.9	2.372	3.200	11.7	20.7

140881 2001 VB_{21} 3 3.9 72.°71 1.°8/ 5.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 19.41	− 1 29.3	2.233	3.052	12.0	20.1
2 11	11 14.56	− 1 7.7	2.166	3.066	9.0	19.9
2 21	11 8.16	− 0 32.4	2.123	3.080	5.6	19.7
3 2	11 0.86	+ 0 13.4	2.108	3.094	2.3	19.5
3 12	10 53.45	+ 1 4.9	2.123	3.108	2.9	19.6
3 22	10 46.71	+ 1 56.7	2.167	3.122	6.2	19.8
4 1	10 41.29	+ 2 44.0	2.237	3.136	9.5	20.1
4 11	10 37.67	+ 3 22.8	2.331	3.150	12.2	20.3

521072 2015 DP_{239} 3 3.9 1.°14 7.°8/23.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 20.07	+28 5.4	2.096	2.958	11.0	20.4
2 11	11 15.37	+29 46.1	2.048	2.957	8.9	20.3
2 21	11 8.75	+31 18.4	2.026	2.957	7.8	20.2
3 2	11 0.98	+32 33.6	2.031	2.957	8.3	20.3
3 12	10 53.02	+33 24.9	2.063	2.958	10.0	20.4
3 22	10 45.86	+33 49.4	2.118	2.958	12.3	20.5
4 1	10 40.32	+33 47.4	2.195	2.959	14.5	20.7
4 11	10 36.95	+33 21.7	2.288	2.960	16.4	20.8

94496 2001 UW_{48} 3 3.9 111.°89 4.°8/29.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 25.25	+14 48.6	1.491	2.360	14.2	19.7
2 11	11 19.42	+16 9.0	1.439	2.370	10.2	19.5
2 21	11 11.13	+17 32.7	1.412	2.380	6.3	19.3
3 2	11 1.38	+18 49.3	1.411	2.389	4.9	19.3
3 12	10 51.49	+19 49.2	1.437	2.399	7.7	19.4
3 22	10 42.76	+20 26.3	1.489	2.408	11.7	19.7
4 1	10 36.22	+20 38.8	1.563	2.417	15.4	19.9
4 11	10 32.47	+20 28.1	1.656	2.425	18.4	20.2

467498 2006 WM_{103} 3 3.9 3.°85 4.°3/29.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 19.50	+13 4.9	1.175	2.061	15.9	20.5
2 11	11 15.78	+14 0.4	1.120	2.060	11.4	20.2
2 21	11 9.30	+15 2.4	1.087	2.060	6.7	20.0
3 2	11 1.09	+16 0.6	1.077	2.062	4.3	19.8
3 12	10 52.64	+16 44.3	1.092	2.065	7.7	20.0
3 22	10 45.41	+17 6.6	1.129	2.069	12.4	20.3
4 1	10 40.58	+17 4.6	1.188	2.075	16.8	20.6
4 11	10 38.80	+16 39.0	1.263	2.082	20.5	20.8

433938 1994 UN_{10} 3 3.9 194.°99 13.°3/16.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 23.22	−27 20.1	1.392	2.095	23.3	21.2
2 11	11 18.60	−27 49.3	1.310	2.094	20.8	21.0
2 21	11 11.04	−27 34.1	1.242	2.093	18.0	20.8
3 2	11 1.41	−26 27.8	1.193	2.091	15.3	20.6
3 12	10 51.19	−24 30.5	1.164	2.088	13.5	20.5
3 22	10 41.97	−21 50.9	1.159	2.085	13.6	20.5
4 1	10 35.14	−18 45.3	1.177	2.081	15.6	20.6
4 11	10 31.59	−15 33.5	1.217	2.077	18.6	20.8

250931 2005 WF_{122} 3 3.9 98.°99 17.°5/15.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 31.26	+40 47.8	1.129	1.982	19.0	19.8
2 11	11 25.10	+44 7.4	1.122	1.995	17.7	19.8
2 21	11 14.79	+46 49.9	1.135	2.008	17.7	19.8
3 2	11 2.00	+48 37.6	1.168	2.020	19.0	19.9
3 12	10 49.19	+49 23.2	1.219	2.033	20.9	20.1
3 22	10 38.64	+49 10.6	1.286	2.045	23.0	20.3
4 1	10 31.90	+48 9.8	1.365	2.056	24.9	20.5
4 11	10 29.47	+46 33.3	1.453	2.068	26.4	20.7

417128 2005 UC_{527} 3 3.9 69.°54 1.°7/ 2.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 22.82	+ 8 48.2	1.728	2.585	13.2	21.9
2 11	11 17.36	+ 9 29.4	1.670	2.596	9.4	21.7
2 21	11 9.87	+10 18.5	1.636	2.607	5.1	21.5
3 2	11 1.18	+11 9.1	1.629	2.619	1.7	21.3
3 12	10 52.37	+11 54.1	1.651	2.630	4.7	21.5
3 22	10 44.50	+12 28.0	1.700	2.642	8.8	21.8
4 1	10 38.44	+12 47.4	1.774	2.653	12.6	22.0
4 11	10 34.73	+12 50.9	1.868	2.665	15.7	22.2

130671 2000 SH_{113} 3 3.9 116.°62 1.°3/ 5.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 22.57	− 0 27.7	1.611	2.445	15.2	19.8
2 11	11 17.36	+ 0 16.3	1.544	2.455	11.2	19.6
2 21	11 9.96	+ 1 19.4	1.501	2.464	6.7	19.3
3 2	11 1.20	+ 2 36.0	1.484	2.473	2.1	19.1
3 12	10 52.24	+ 3 57.7	1.495	2.481	3.7	19.2
3 22	10 44.21	+ 5 15.9	1.534	2.490	8.3	19.5
4 1	10 38.06	+ 6 22.9	1.599	2.498	12.5	19.8
4 11	10 34.40	+ 7 14.0	1.684	2.505	16.1	20.0

55091 2001 QT_{122} 3 3.9 137.°79 1.°5/ 2.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 20.40	+ 9 29.1	2.418	3.265	10.3	20.0
2 11	11 15.21	+10 12.7	2.349	3.272	7.3	19.9
2 21	11 8.53	+11 1.9	2.308	3.278	4.0	19.7
3 2	11 0.96	+11 51.7	2.296	3.284	1.5	19.5
3 12	10 53.25	+12 37.1	2.314	3.290	3.9	19.7
3 22	10 46.16	+13 13.9	2.360	3.295	7.1	19.9
4 1	10 40.34	+13 39.0	2.434	3.301	10.1	20.1
4 11	10 36.27	+13 51.1	2.530	3.306	12.6	20.3

87627 2000 RH_{52} 3 3.9 168.°73 3.°1/ 8.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 17.85	− 9 4.2	3.127	3.895	10.1	20.4
2 11	11 13.16	− 8 40.7	3.038	3.899	8.0	20.2
2 21	11 7.31	− 8 2.7	2.974	3.903	5.7	20.1
3 2	11 0.75	− 7 11.9	2.939	3.906	3.7	19.9
3 12	10 54.05	− 6 11.4	2.934	3.909	3.3	19.9
3 22	10 47.77	− 5 5.4	2.960	3.911	5.0	20.0
4 1	10 42.42	− 3 58.5	3.015	3.913	7.3	20.2
4 11	10 38.39	− 2 55.1	3.095	3.914	9.5	20.3

328613 2009 SU_{126} 3 3.9 193.°08 0.°2/ 4.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 23.12	+ 4 3.8	1.942	2.780	12.8	21.4
2 11	11 17.52	+ 4 24.2	1.865	2.780	9.3	21.2
2 21	11 9.98	+ 4 55.8	1.812	2.779	5.3	20.9
3 2	11 1.21	+ 5 34.3	1.788	2.778	1.0	20.6
3 12	10 52.19	+ 6 14.3	1.792	2.777	3.4	20.8
3 22	10 43.91	+ 6 50.3	1.825	2.775	7.6	21.1
4 1	10 37.22	+ 7 17.8	1.884	2.774	11.4	21.3
4 11	10 32.72	+ 7 33.9	1.965	2.772	14.6	21.5

2020	α_{2000}	δ_{2000}	Δ	r	β	V
155449	1998 HV_{94}		3	3.9	319.°75	5.°9/ 9.7 18
	h m	° ′			°	m
2 1	11 17.63	−11 54.1	1.706	2.495	16.4	19.4
2 11	11 13.96	−11 46.7	1.615	2.483	13.4	19.2
2 21	11 8.17	−11 11.5	1.544	2.472	10.1	19.0
3 2	11 0.95	−10 8.8	1.497	2.460	7.0	18.7
3 12	10 53.29	− 8 43.1	1.476	2.450	6.0	18.7
3 22	10 46.28	− 7 2.6	1.482	2.439	8.3	18.8
4 1	10 40.92	− 5 17.6	1.513	2.429	11.9	18.9
4 11	10 37.92	− 3 38.2	1.567	2.420	15.5	19.1
7869	Pradun		3	3.9	206.°77	1.°8/ 5.6 18
2 1	11 24.17	− 1 8.7	1.850	2.672	14.0	19.0
2 11	11 18.45	− 0 39.7	1.764	2.666	10.5	18.7
2 21	11 10.60	+ 0 6.9	1.702	2.661	6.5	18.5
3 2	11 1.35	+ 1 7.3	1.667	2.654	2.4	18.2
3 12	10 51.71	+ 2 15.3	1.661	2.647	3.5	18.3
3 22	10 42.78	+ 3 23.4	1.685	2.639	7.8	18.5
4 1	10 35.52	+ 4 24.9	1.734	2.630	11.9	18.7
4 11	10 30.61	+ 5 14.3	1.806	2.620	15.4	18.9
188470	2004 LN_{13}		3	3.9	309.°49	2.°2/ 5.8 18
2 1	11 19.86	− 1 18.6	1.550	2.388	15.5	19.9
2 11	11 15.78	− 1 1.5	1.458	2.369	11.7	19.6
2 21	11 9.31	− 0 24.0	1.388	2.349	7.4	19.3
3 2	11 1.16	+ 0 30.9	1.344	2.330	3.0	19.0
3 12	10 52.45	+ 1 36.6	1.326	2.312	4.0	19.0
3 22	10 44.40	+ 2 44.8	1.334	2.293	8.8	19.2
4 1	10 38.18	+ 3 47.1	1.366	2.276	13.5	19.4
4 11	10 34.57	+ 4 36.6	1.419	2.258	17.6	19.6
302139	2001 RT_{103}		3	3.9	150.°87	2.°3/ 2.1 18
2 1	11 27.51	+10 23.5	1.773	2.623	13.2	21.6
2 11	11 20.75	+11 10.1	1.710	2.633	9.4	21.4
2 21	11 11.81	+12 3.2	1.672	2.642	5.3	21.2
3 2	11 1.55	+12 55.9	1.662	2.650	2.3	21.0
3 12	10 51.13	+13 40.9	1.682	2.657	5.2	21.2
3 22	10 41.70	+14 12.7	1.730	2.664	9.3	21.4
4 1	10 34.20	+14 28.5	1.803	2.670	13.0	21.7
4 11	10 29.20	+14 27.7	1.896	2.675	16.1	21.9
265736	2005 UM_{486}		3	3.9	121.°36	4.°8/ 8.6 18
2 1	11 24.35	− 9 23.0	2.123	2.899	14.0	21.4
2 11	11 18.23	− 9 38.9	2.050	2.913	11.2	21.3
2 21	11 10.32	− 9 35.8	2.000	2.928	8.1	21.1
3 2	11 1.30	− 9 14.2	1.978	2.941	5.5	21.0
3 12	10 52.11	− 8 37.5	1.984	2.954	5.0	21.0
3 22	10 43.66	− 7 50.7	2.018	2.967	7.1	21.1
4 1	10 36.74	− 6 59.9	2.080	2.979	10.0	21.3
4 11	10 31.89	− 6 11.3	2.165	2.991	12.8	21.5
431286	2006 UF_{218}		3	3.9	199.°01	0.°9/ 2.8 17
2 1	11 20.13	+ 8 15.5	3.056	3.893	8.6	22.4
2 11	11 14.83	+ 8 47.2	2.972	3.889	6.2	22.2
2 21	11 8.28	+ 9 24.0	2.916	3.884	3.4	22.0
3 2	11 0.96	+10 2.5	2.890	3.879	0.9	21.8
3 12	10 53.48	+10 38.9	2.895	3.874	2.9	22.0
3 22	10 46.44	+11 9.9	2.931	3.868	5.8	22.1
4 1	10 40.38	+11 32.8	2.994	3.861	8.4	22.3
4 11	10 35.72	+11 46.2	3.082	3.854	10.6	22.4
354084	2001 WZ_{20}		3	3.9	58.°07	1.°8/ 5.3 18
2 1	11 23.48	− 0 14.0	1.275	2.122	17.6	20.8
2 11	11 18.37	+ 0 10.4	1.220	2.136	13.0	20.5
2 21	11 10.66	+ 0 56.0	1.186	2.150	7.8	20.3
3 2	11 1.37	+ 1 57.2	1.176	2.165	2.6	20.0
3 12	10 51.93	+ 3 4.9	1.193	2.180	4.2	20.2
3 22	10 43.72	+ 4 9.5	1.235	2.195	9.4	20.5
4 1	10 37.84	+ 5 3.0	1.301	2.210	14.1	20.8
4 11	10 34.90	+ 5 40.3	1.386	2.225	17.9	21.1
333241	2012 HF_{65}		3	3.9	269.°75	2.°3/ 1.9 16
2 1	11 22.22	+10 27.9	1.834	2.692	12.5	20.8
2 11	11 17.05	+11 15.5	1.758	2.685	8.9	20.6
2 21	11 9.81	+12 10.4	1.706	2.677	5.0	20.3
3 2	11 1.24	+13 5.9	1.683	2.670	2.3	20.1
3 12	10 52.37	+13 55.0	1.687	2.662	5.2	20.3
3 22	10 44.24	+14 31.7	1.719	2.655	9.2	20.5
4 1	10 37.80	+14 52.4	1.776	2.648	12.9	20.7
4 11	10 33.66	+14 55.8	1.853	2.640	16.1	20.9
55115	2001 QQ_{162}		3	3.9	130.°19	0.°2/ 4.2 17
2 1	11 19.65	+ 3 19.2	2.272	3.107	11.3	20.2
2 11	11 14.80	+ 3 53.1	2.197	3.110	8.2	20.0
2 21	11 8.37	+ 4 37.6	2.148	3.114	4.7	19.8
3 2	11 0.99	+ 5 28.7	2.127	3.117	0.9	19.6
3 12	10 53.43	+ 6 21.1	2.135	3.120	3.0	19.7
3 22	10 46.47	+ 7 9.6	2.173	3.123	6.6	20.0
4 1	10 40.82	+ 7 50.0	2.238	3.126	9.9	20.2
4 11	10 36.96	+ 8 19.2	2.326	3.129	12.8	20.4

2020	α_{2000}	δ_{2000}	Δ	r	β	V
401500	2013 EX_{18}		3	3.9	293.°63	1.°1/ 3.2 14 C
	h m	° ′			°	m
2 1	11 23.52	+ 6 47.1	1.408	2.269	15.4	21.1
2 11	11 18.60	+ 7 21.0	1.326	2.254	11.2	20.8
2 21	11 10.98	+ 8 8.5	1.267	2.239	6.3	20.4
3 2	11 1.48	+ 9 3.0	1.233	2.223	1.3	20.1
3 12	10 51.41	+ 9 55.8	1.226	2.208	5.1	20.3
3 22	10 42.21	+10 38.7	1.244	2.194	10.5	20.5
4 1	10 35.14	+11 5.7	1.285	2.179	15.3	20.8
4 11	10 31.03	+11 13.8	1.345	2.165	19.5	21.0
460079	2014 OG_{298}		3	3.9	249.°35	0.°1/ 4.1 16
2 1	11 25.59	+ 4 36.0	1.680	2.523	14.2	21.4
2 11	11 19.71	+ 4 52.2	1.595	2.512	10.4	21.2
2 21	11 11.43	+ 5 20.8	1.533	2.501	6.0	20.9
3 2	11 1.54	+ 5 57.3	1.498	2.489	1.1	20.5
3 12	10 51.19	+ 6 35.4	1.492	2.476	4.0	20.7
3 22	10 41.60	+ 7 9.0	1.513	2.464	8.9	21.0
4 1	10 33.89	+ 7 32.8	1.559	2.451	13.2	21.2
4 11	10 28.78	+ 7 43.5	1.626	2.438	17.0	21.4
382004	2010 RM_{64}		3	3.9	30.°28	1.°4/24.7 17
2 1	11 6.50	+27 13.7	13.344	14.191	2.1	22.8
2 11	11 4.52	+27 34.9	13.321	14.224	1.7	22.8
2 21	11 2.31	+27 54.6	13.327	14.258	1.4	22.8
3 2	10 59.97	+28 11.8	13.363	14.292	1.4	22.8
3 12	10 57.62	+28 26.0	13.427	14.326	1.8	22.8
3 22	10 55.36	+28 36.8	13.520	14.359	2.2	22.9
4 1	10 53.31	+28 43.7	13.638	14.393	2.7	22.9
4 11	10 51.55	+28 46.7	13.779	14.427	3.1	23.0
420574	2012 HH_{18}		3	3.9	357.°51	0.°6/ 4.6 16
2 1	11 16.82	− 0 29.4	1.468	2.317	15.6	21.2
2 11	11 13.49	+ 0 48.4	1.396	2.315	11.5	21.0
2 21	11 7.94	+ 2 30.0	1.346	2.313	6.7	20.7
3 2	11 0.95	+ 4 27.9	1.322	2.312	1.5	20.3
3 12	10 53.64	+ 6 30.7	1.326	2.312	4.0	20.5
3 22	10 47.17	+ 8 26.4	1.356	2.312	9.1	20.8
4 1	10 42.55	+10 4.9	1.411	2.313	13.7	21.1
4 11	10 40.44	+11 20.2	1.486	2.314	17.5	21.3
51193	2000 HT_{96}		3	3.9	85.°06	5.°0/27.6 18
2 1	11 22.10	+20 8.4	2.122	2.984	10.9	19.4
2 11	11 16.66	+21 11.1	2.067	2.990	8.0	19.2
2 21	11 9.44	+22 11.4	2.037	2.995	5.7	19.1
3 2	11 1.18	+23 2.2	2.036	3.001	5.2	19.1
3 12	10 52.80	+23 37.5	2.063	3.007	7.1	19.2
3 22	10 45.22	+23 54.1	2.117	3.012	9.9	19.4
4 1	10 39.20	+23 51.0	2.194	3.018	12.6	19.6
4 11	10 35.25	+23 29.6	2.292	3.024	14.9	19.7
295788	2008 UY_{231}		3	3.9	244.°93	1.°7/ 5.3 18
2 1	11 24.90	+ 0 12.8	1.586	2.420	15.4	21.7
2 11	11 19.36	+ 0 29.8	1.499	2.409	11.5	21.4
2 21	11 11.31	+ 1 4.8	1.434	2.396	7.0	21.1
3 2	11 1.54	+ 1 54.2	1.396	2.384	2.4	20.8
3 12	10 51.23	+ 2 51.5	1.385	2.371	4.0	20.8
3 22	10 41.68	+ 3 48.8	1.402	2.357	8.9	21.1
4 1	10 34.07	+ 4 38.9	1.443	2.343	13.5	21.3
4 11	10 29.18	+ 5 16.0	1.505	2.329	17.5	21.5
327004	2004 RO_{29}		3	3.9	199.°21	3.°1/29.2 17
2 1	11 20.74	+12 24.9	2.232	3.088	10.7	21.1
2 11	11 15.70	+13 50.8	2.159	3.085	7.6	20.9
2 21	11 8.95	+15 22.5	2.113	3.082	4.5	20.7
3 2	11 1.12	+16 52.7	2.097	3.078	3.2	20.6
3 12	10 53.03	+18 13.8	2.110	3.073	5.5	20.7
3 22	10 45.55	+19 20.1	2.153	3.068	8.8	20.9
4 1	10 39.44	+20 7.8	2.221	3.063	11.8	21.1
4 11	10 35.24	+20 36.1	2.310	3.057	14.4	21.3
290022	2005 QG_{20}		3	3.9	212.°47	0.°7/ 4.7 18
2 1	11 22.73	+ 3 26.6	2.673	3.496	10.2	20.7
2 11	11 16.84	+ 3 25.6	2.586	3.492	7.5	20.5
2 21	11 9.48	+ 3 32.3	2.525	3.488	4.4	20.3
3 2	11 1.20	+ 3 44.3	2.494	3.483	1.2	20.1
3 12	10 52.72	+ 3 58.6	2.494	3.479	2.6	20.2
3 22	10 44.75	+ 4 12.0	2.525	3.474	5.8	20.4
4 1	10 37.94	+ 4 21.7	2.583	3.469	8.8	20.6
4 11	10 32.78	+ 4 25.3	2.666	3.464	11.4	20.7
303295	2004 SB_{13}		3	3.9	212.°74	2.°1/ 2.0 17
2 1	11 25.30	+ 9 21.9	1.903	2.752	12.5	22.2
2 11	11 19.26	+10 20.5	1.822	2.744	9.0	22.0
2 21	11 11.08	+11 27.9	1.766	2.736	5.0	21.7
3 2	11 1.49	+12 37.4	1.739	2.726	2.1	21.5
3 12	10 51.53	+13 41.2	1.741	2.716	5.0	21.7
3 22	10 42.30	+14 32.7	1.772	2.705	9.2	21.9
4 1	10 34.75	+15 7.7	1.828	2.693	13.0	22.1
4 11	10 29.55	+15 24.5	1.905	2.680	16.2	22.3

286030 2001 SB_{169} 3 3.9 76.°95 6.°8/26.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 26.72	+27 59.5	2.236	3.085	10.9	20.1
2 11	11 19.76	+28 51.8	2.201	3.106	8.6	20.0
2 21	11 11.06	+29 34.0	2.192	3.127	7.1	19.9
3 2	11 1.45	+29 59.9	2.212	3.148	7.0	19.9
3 12	10 51.94	+30 5.3	2.258	3.169	8.5	20.1
3 22	10 43.46	+29 49.3	2.331	3.190	10.6	20.2
4 1	10 36.73	+29 13.4	2.428	3.211	12.8	20.4
4 11	10 32.18	+28 20.8	2.543	3.231	14.6	20.6

31274 1998 FE_{24} 3 3.9 27.°11 0.°6/ 4.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 18.14	+ 1 46.4	1.938	2.778	12.7	18.1
2 11	11 13.93	+ 2 26.7	1.869	2.784	9.3	17.9
2 21	11 7.98	+ 3 20.9	1.824	2.790	5.4	17.7
3 2	11 0.96	+ 4 24.2	1.806	2.796	1.3	17.4
3 12	10 53.77	+ 5 30.1	1.817	2.803	3.2	17.6
3 22	10 47.29	+ 6 32.0	1.856	2.810	7.2	17.8
4 1	10 42.27	+ 7 24.4	1.921	2.818	10.9	18.0
4 11	10 39.25	+ 8 3.4	2.009	2.826	14.0	18.3

296593 2009 RO_{34} 3 3.9 217.°81 1.°0/ 2.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 23.36	+ 7 42.4	2.347	3.187	10.8	22.3
2 11	11 17.52	+ 8 20.2	2.259	3.177	7.8	22.1
2 21	11 9.97	+ 9 5.5	2.198	3.167	4.3	21.9
3 2	11 1.31	+ 9 53.8	2.166	3.156	1.1	21.6
3 12	10 52.35	+10 39.8	2.165	3.144	3.7	21.8
3 22	10 43.96	+11 18.7	2.193	3.132	7.3	22.0
4 1	10 36.88	+11 46.9	2.249	3.119	10.6	22.2
4 11	10 31.70	+12 2.3	2.327	3.106	13.5	22.4

194430 2001 VO_{77} 3 3.9 72.°44 3.°6/ 1.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 26.25	+11 14.8	1.313	2.182	15.8	20.0
2 11	11 20.18	+12 27.5	1.275	2.206	11.1	19.8
2 21	11 11.56	+13 46.6	1.259	2.231	6.3	19.6
3 2	11 1.55	+15 1.7	1.270	2.255	3.6	19.5
3 12	10 51.61	+16 2.5	1.307	2.279	6.8	19.8
3 22	10 43.09	+16 42.6	1.369	2.303	11.2	20.1
4 1	10 36.98	+16 59.7	1.455	2.327	15.2	20.4
4 11	10 33.78	+16 54.7	1.558	2.351	18.5	20.7

340716 2006 SE_{64} 3 3.9 124.°82 0.°2/ 4.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 19.48	+ 3 30.5	2.596	3.427	10.2	21.7
2 11	11 14.49	+ 4 1.2	2.525	3.436	7.4	21.5
2 21	11 8.14	+ 4 40.8	2.480	3.445	4.2	21.3
3 2	11 0.98	+ 5 25.8	2.464	3.454	0.8	21.1
3 12	10 53.71	+ 6 11.7	2.478	3.462	2.7	21.3
3 22	10 46.98	+ 6 54.3	2.522	3.471	5.9	21.5
4 1	10 41.41	+ 7 29.9	2.594	3.479	8.9	21.7
4 11	10 37.43	+ 7 56.1	2.689	3.487	11.4	21.9

163002 2001 SX_{175} 3 3.9 86.°18 2.°9/29.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 20.73	+13 32.7	2.274	3.130	10.5	19.9
2 11	11 15.51	+14 27.5	2.219	3.145	7.4	19.8
2 21	11 8.74	+15 24.9	2.192	3.160	4.3	19.6
3 2	11 1.08	+16 18.8	2.193	3.175	2.9	19.5
3 12	10 53.36	+17 3.7	2.224	3.190	5.0	19.7
3 22	10 46.35	+17 35.8	2.283	3.204	8.0	19.9
4 1	10 40.73	+17 52.8	2.367	3.219	10.9	20.1
4 11	10 36.95	+17 54.6	2.473	3.233	13.3	20.3

144562 2004 FS_{12} 3 3.9 36.°82 4.°8/ 8.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 18.75	− 8 19.5	1.233	2.059	19.3	19.2
2 11	11 15.00	− 7 50.5	1.182	2.079	15.1	19.0
2 21	11 8.77	− 6 49.8	1.152	2.100	10.3	18.8
3 2	11 1.10	− 5 22.1	1.144	2.122	5.9	18.6
3 12	10 53.34	− 3 37.4	1.161	2.144	5.2	18.6
3 22	10 46.77	− 1 48.3	1.204	2.168	8.9	18.9
4 1	10 42.41	− 0 7.1	1.270	2.192	13.3	19.2
4 11	10 40.81	+ 1 17.3	1.356	2.216	17.1	19.5

459658 2013 KL_7 3 3.9 298.°96 0.°5/ 4.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 21.26	+ 2 31.7	1.468	2.319	15.4	21.3
2 11	11 16.92	+ 3 4.7	1.380	2.301	11.4	21.0
2 21	11 10.03	+ 3 56.2	1.314	2.282	6.6	20.7
3 2	11 1.36	+ 5 0.9	1.274	2.264	1.4	20.3
3 12	10 52.10	+ 6 10.8	1.261	2.246	4.3	20.4
3 22	10 43.57	+ 7 16.7	1.273	2.228	9.6	20.7
4 1	10 37.00	+ 8 10.5	1.309	2.211	14.5	20.9
4 11	10 33.22	+ 8 46.9	1.365	2.194	18.7	21.1

29235 1992 EU_{13} 3 3.9 105.°38 1.°8/ 5.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 28.35	− 0 8.8	1.695	2.518	15.1	17.7
2 11	11 21.28	+ 0 4.7	1.640	2.543	11.1	17.5
2 21	11 12.07	+ 0 33.9	1.608	2.568	6.7	17.3
3 2	11 1.64	+ 1 14.8	1.604	2.591	2.5	17.1
3 12	10 51.19	+ 2 1.2	1.629	2.614	3.6	17.2
3 22	10 41.84	+ 2 46.5	1.682	2.636	7.9	17.5
4 1	10 34.50	+ 3 25.2	1.762	2.657	11.8	17.8
4 11	10 29.69	+ 3 53.3	1.863	2.678	15.0	18.0

366856 2005 ST_{15} 3 3.9 164.°70 0.°0/ 3.8 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 23.66	+ 4 31.4	2.193	3.026	11.7	22.6
2 11	11 17.72	+ 4 58.8	2.118	3.031	8.5	22.4
2 21	11 10.06	+ 5 35.8	2.069	3.035	4.8	22.2
3 2	11 1.33	+ 6 18.3	2.049	3.039	0.8	21.9
3 12	10 52.41	+ 7 1.2	2.059	3.042	3.2	22.1
3 22	10 44.18	+ 7 39.6	2.098	3.045	7.0	22.3
4 1	10 37.40	+ 8 9.5	2.164	3.047	10.5	22.6
4 11	10 32.59	+ 8 28.3	2.254	3.049	13.4	22.8

492293 2013 YR_{109} 3 3.9 58.°94 0.°1/ 4.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 20.10	+ 3 32.9	2.031	2.871	12.2	21.4
2 11	11 15.18	+ 4 7.6	1.973	2.889	8.8	21.2
2 21	11 8.60	+ 4 53.3	1.940	2.907	5.0	21.0
3 2	11 1.07	+ 5 45.2	1.935	2.925	0.9	20.7
3 12	10 53.48	+ 6 37.5	1.959	2.944	3.2	20.9
3 22	10 46.64	+ 7 24.7	2.011	2.962	7.0	21.2
4 1	10 41.29	+ 8 2.5	2.090	2.981	10.4	21.4
4 11	10 37.88	+ 8 28.0	2.191	2.999	13.3	21.7

495885 2004 SE_{57} 3 3.9 212.°61 0.°4/ 4.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 20.27	+ 1 14.9	2.509	3.332	10.8	22.4
2 11	11 15.23	+ 2 11.0	2.417	3.324	7.9	22.2
2 21	11 8.66	+ 3 19.9	2.351	3.315	4.6	22.0
3 2	11 1.11	+ 4 37.6	2.316	3.305	1.0	21.7
3 12	10 53.29	+ 5 58.3	2.311	3.295	2.8	21.8
3 22	10 45.94	+ 7 16.0	2.336	3.284	6.4	22.0
4 1	10 39.75	+ 8 25.3	2.390	3.273	9.6	22.2
4 11	10 35.24	+ 9 22.5	2.468	3.261	12.4	22.4

114692 2003 FW_{89} 3 3.9 232.°11 2.°9/ 6.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 24.82	− 3 9.8	1.802	2.617	14.7	20.2
2 11	11 19.09	− 3 1.4	1.709	2.605	11.3	19.9
2 21	11 11.09	− 2 34.5	1.640	2.593	7.3	19.7
3 2	11 1.55	− 1 51.0	1.597	2.580	3.6	19.4
3 12	10 51.51	− 0 56.2	1.583	2.567	4.0	19.4
3 22	10 42.12	+ 0 3.3	1.597	2.553	8.0	19.6
4 1	10 34.44	+ 1 0.1	1.637	2.538	12.2	19.8
4 11	10 29.20	+ 1 48.2	1.699	2.523	15.9	20.0

158737 2003 PL_3 3 3.9 217.°32 0.°8/ 3.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 20.89	+ 6 32.1	2.417	3.257	10.5	21.1
2 11	11 15.71	+ 7 18.5	2.331	3.249	7.5	20.9
2 21	11 8.95	+ 8 13.6	2.272	3.241	4.2	20.7
3 2	11 1.16	+ 9 12.8	2.242	3.232	0.9	20.4
3 12	10 53.12	+10 10.5	2.242	3.223	3.4	20.6
3 22	10 45.60	+11 1.6	2.272	3.213	7.0	20.8
4 1	10 39.32	+11 42.1	2.330	3.203	10.2	21.0
4 11	10 34.79	+12 9.7	2.410	3.192	13.0	21.2

498215 2007 TP_{438} 3 3.9 70.°91 3.°3/ 7.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 18.24	− 7 7.6	2.172	2.969	13.1	21.6
2 11	11 13.89	− 6 41.3	2.094	2.975	10.2	21.4
2 21	11 7.93	− 5 56.0	2.039	2.981	7.0	21.2
3 2	11 0.99	− 4 54.2	2.011	2.987	4.1	21.1
3 12	10 53.85	− 3 41.0	2.012	2.993	3.7	21.0
3 22	10 47.33	− 2 22.7	2.041	2.998	6.4	21.2
4 1	10 42.14	− 1 6.2	2.098	3.004	9.6	21.4
4 11	10 38.77	+ 0 2.6	2.179	3.010	12.5	21.6

172480 2003 SE_{97} 3 3.9 129.°34 1.°3/ 2.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 25.47	+ 7 45.3	1.913	2.757	12.7	21.1
2 11	11 19.14	+ 8 31.9	1.853	2.773	9.0	20.9
2 21	11 10.87	+ 9 26.6	1.818	2.788	4.9	20.6
3 2	11 1.48	+10 23.5	1.812	2.802	1.4	20.4
3 12	10 51.98	+11 15.8	1.836	2.815	4.3	20.6
3 22	10 43.39	+11 57.9	1.889	2.828	8.2	20.9
4 1	10 36.52	+12 26.3	1.967	2.840	11.8	21.2
4 11	10 31.90	+12 39.5	2.067	2.852	14.7	21.4

425950 2011 GS_{84} 3 3.9 272.°73 2.°7/ 6.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 18.93	− 4 44.6	2.018	2.829	13.4	21.5
2 11	11 14.58	− 4 14.5	1.928	2.821	10.3	21.2
2 21	11 8.42	− 3 25.1	1.863	2.813	6.8	21.0
3 2	11 1.08	− 2 19.2	1.824	2.806	3.4	20.8
3 12	10 53.43	− 1 2.5	1.814	2.798	3.5	20.8
3 22	10 46.35	+ 0 18.1	1.832	2.790	7.0	21.0
4 1	10 40.69	+ 1 35.2	1.877	2.782	10.6	21.2
4 11	10 37.04	+ 2 42.5	1.945	2.774	13.9	21.4

256938 2008 EH_{39} 3 3.9 106.°31 2.°4/ 1.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 22.66	+ 9 32.9	1.742	2.600	13.1	20.7
2 11	11 17.33	+10 37.1	1.683	2.610	9.3	20.5
2 21	11 9.94	+11 49.5	1.648	2.620	5.1	20.3
3 2	11 1.33	+13 2.2	1.642	2.629	2.4	20.1
3 12	10 52.56	+14 7.2	1.664	2.639	5.2	20.3
3 22	10 44.70	+14 58.0	1.713	2.648	9.3	20.6
4 1	10 38.63	+15 30.9	1.787	2.657	12.9	20.8
4 11	10 34.91	+15 44.8	1.881	2.666	16.0	21.1

230511 2002 VD_{38} 3 3.9 139.°68 0.°6/ 4.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 27.61	+ 2 56.1	1.585	2.423	15.2	21.4
2 11	11 21.05	+ 3 18.0	1.519	2.433	11.1	21.1
2 21	11 12.11	+ 3 54.3	1.477	2.443	6.4	20.9
3 2	11 1.70	+ 4 39.9	1.462	2.452	1.4	20.6
3 12	10 51.09	+ 5 27.9	1.476	2.461	3.9	20.8
3 22	10 41.52	+ 6 11.2	1.517	2.468	8.7	21.1
4 1	10 34.03	+ 6 44.4	1.583	2.476	13.0	21.3
4 11	10 29.24	+ 7 4.2	1.670	2.482	16.6	21.6

54846 2001 OJ_5 3 3.9 125.°49 5.°3/ 9.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 24.49	−11 15.6	2.153	2.917	14.2	19.1
2 11	11 18.36	−11 32.1	2.079	2.933	11.5	18.9
2 21	11 10.44	−11 28.3	2.029	2.947	8.6	18.8
3 2	11 1.42	−11 4.7	2.005	2.961	6.1	18.6
3 12	10 52.21	−10 24.4	2.009	2.975	5.5	18.6
3 22	10 43.73	− 9 32.5	2.042	2.988	7.3	18.8
4 1	10 36.78	− 8 35.5	2.102	3.001	10.0	18.9
4 11	10 31.89	− 7 39.7	2.186	3.012	12.7	19.1

212736 2007 RC_{244} 3 3.9 146.°47 1.°9/ 2.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 25.76	+ 9 16.6	1.939	2.786	12.4	21.3
2 11	11 19.37	+10 5.5	1.876	2.797	8.8	21.1
2 21	11 11.03	+11 1.5	1.838	2.808	4.9	20.9
3 2	11 1.51	+11 58.2	1.829	2.817	1.9	20.7
3 12	10 51.86	+12 48.8	1.850	2.826	4.6	20.9
3 22	10 43.07	+13 28.0	1.899	2.834	8.5	21.1
4 1	10 36.00	+13 52.6	1.974	2.842	12.0	21.4
4 11	10 31.19	+14 1.4	2.071	2.848	15.0	21.6

175789 1999 RG_{58} 3 4.0 173.°86 0.°0/ 3.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 23.69	+ 3 24.3	2.054	2.886	12.4	21.6
2 11	11 17.88	+ 4 8.1	1.977	2.890	9.0	21.4
2 21	11 10.21	+ 5 4.1	1.926	2.893	5.1	21.2
3 2	11 1.38	+ 6 7.4	1.904	2.895	0.9	20.8
3 12	10 52.32	+ 7 11.6	1.912	2.896	3.4	21.0
3 22	10 43.97	+ 8 10.3	1.949	2.897	7.5	21.3
4 1	10 37.15	+ 8 58.6	2.013	2.896	11.1	21.5
4 11	10 32.42	+ 9 33.3	2.100	2.896	14.2	21.7

416923 2005 ST_{53} 3 4.0 83.°39 0.°2/ 3.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 24.83	+ 5 40.3	1.762	2.607	13.6	21.1
2 11	11 18.84	+ 5 55.2	1.697	2.616	9.8	20.9
2 21	11 10.78	+ 6 19.9	1.658	2.626	5.5	20.6
3 2	11 1.47	+ 6 50.0	1.645	2.636	0.9	20.3
3 12	10 52.02	+ 7 19.6	1.661	2.645	3.8	20.6
3 22	10 43.49	+ 7 43.7	1.705	2.655	8.1	20.8
4 1	10 36.79	+ 7 58.3	1.775	2.665	12.0	21.1
4 11	10 32.46	+ 8 1.2	1.866	2.674	15.2	21.3

216268 2006 WY_{77} 3 4.0 28.°74 2.°4/ 6.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 18.53	− 3 20.8	2.292	3.104	12.0	20.7
2 11	11 14.04	− 3 5.5	2.212	3.106	9.2	20.5
2 21	11 8.00	− 2 35.4	2.156	3.108	6.0	20.3
3 2	11 1.01	− 1 52.9	2.128	3.110	3.0	20.1
3 12	10 53.82	− 1 2.4	2.129	3.113	3.1	20.1
3 22	10 47.20	− 0 9.0	2.159	3.115	6.2	20.3
4 1	10 41.84	+ 0 42.0	2.215	3.118	9.4	20.5
4 11	10 38.23	+ 1 26.0	2.296	3.121	12.2	20.7

236120 2005 SS_{137} 3 4.0 138.°38 0.°5/ 4.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 25.19	+ 2 6.8	1.577	2.417	15.2	21.1
2 11	11 19.33	+ 2 49.0	1.512	2.427	11.1	20.9
2 21	11 11.16	+ 3 47.7	1.469	2.436	6.4	20.7
3 2	11 1.56	+ 4 56.9	1.454	2.444	1.3	20.3
3 12	10 51.73	+ 6 8.1	1.467	2.452	3.9	20.5
3 22	10 42.90	+ 7 13.3	1.507	2.459	8.8	20.8
4 1	10 36.07	+ 8 5.8	1.573	2.466	13.1	21.1
4 11	10 31.86	+ 8 41.9	1.659	2.472	16.6	21.4

249523 Friedan 3 4.0 164.°92 5.°2/12.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 17.81	−18 8.3	3.066	3.776	11.5	21.3
2 11	11 13.24	−17 45.6	2.972	3.780	9.7	21.2
2 21	11 7.45	−17 3.2	2.902	3.784	7.7	21.1
3 2	11 0.91	−16 1.9	2.857	3.788	6.0	20.9
3 12	10 54.23	−14 44.5	2.842	3.791	5.2	20.9
3 22	10 47.99	−13 15.6	2.857	3.794	5.9	20.9
4 1	10 42.74	−11 40.8	2.900	3.796	7.6	21.1
4 11	10 38.88	−10 6.1	2.971	3.798	9.7	21.2

320941 2008 GC_{143} 3 4.0 291.°10 1.°0/ 3.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 23.42	+ 7 20.9	1.685	2.539	13.7	20.6
2 11	11 18.11	+ 7 47.3	1.606	2.530	9.9	20.4
2 21	11 10.54	+ 8 23.6	1.550	2.521	5.5	20.1
3 2	11 1.47	+ 9 4.5	1.521	2.512	1.2	19.8
3 12	10 52.03	+ 9 43.1	1.521	2.503	4.4	20.0
3 22	10 43.39	+10 13.4	1.547	2.494	9.0	20.2
4 1	10 36.56	+10 31.1	1.598	2.485	13.2	20.5
4 11	10 32.25	+10 33.8	1.669	2.477	16.8	20.7

39902 1998 FG_{30} 3 4.0 239.°79 0.°6/ 4.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 25.11	+ 2 57.6	1.968	2.800	12.9	19.5
2 11	11 19.16	+ 3 19.6	1.873	2.784	9.5	19.2
2 21	11 11.10	+ 3 54.2	1.803	2.768	5.6	18.9
3 2	11 1.58	+ 4 37.8	1.761	2.751	1.3	18.6
3 12	10 51.61	+ 5 24.7	1.748	2.733	3.5	18.7
3 22	10 42.22	+ 6 9.0	1.764	2.715	7.9	19.0
4 1	10 34.40	+ 6 45.5	1.807	2.695	11.9	19.2
4 11	10 28.85	+ 7 10.3	1.872	2.676	15.4	19.3

312852 2011 UA_{85} 3 4.0 25.°09 2.°7/ 5.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 23.02	− 1 5.1	1.344	2.186	17.1	20.6
2 11	11 18.13	− 1 3.9	1.278	2.190	12.9	20.4
2 21	11 10.64	− 0 42.3	1.233	2.194	8.1	20.1
3 2	11 1.50	− 0 3.7	1.213	2.199	3.4	19.9
3 12	10 52.05	+ 0 45.1	1.218	2.204	4.3	19.9
3 22	10 43.66	+ 1 35.8	1.249	2.210	9.1	20.2
4 1	10 37.48	+ 2 20.5	1.303	2.216	13.8	20.5
4 11	10 34.18	+ 2 53.2	1.378	2.222	17.7	20.8

178384 1997 SS_{18} 3 4.0 233.°11 0.°7/ 3.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 24.19	+ 6 30.1	2.016	2.858	12.3	21.3
2 11	11 18.38	+ 6 58.5	1.929	2.847	8.9	21.1
2 21	11 10.59	+ 7 36.2	1.868	2.837	4.9	20.8
3 2	11 1.49	+ 8 18.6	1.835	2.825	0.9	20.5
3 12	10 52.04	+ 9 0.0	1.832	2.814	3.8	20.7
3 22	10 43.23	+ 9 34.9	1.857	2.802	8.0	20.9
4 1	10 35.97	+ 9 59.3	1.908	2.789	11.7	21.1
4 11	10 30.90	+10 10.7	1.982	2.776	15.0	21.3

352657 2008 QS_{33} 3 4.0 58.°65 0.°7/ 3.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 29.04	+ 7 6.9	1.194	2.056	17.5	20.1
2 11	11 22.42	+ 7 16.3	1.149	2.076	12.6	19.8
2 21	11 12.95	+ 7 37.0	1.125	2.096	7.0	19.6
3 2	11 1.87	+ 8 2.4	1.126	2.116	1.2	19.3
3 12	10 50.83	+ 8 24.9	1.153	2.137	5.0	19.6
3 22	10 41.34	+ 8 38.3	1.205	2.157	10.4	19.9
4 1	10 34.54	+ 8 39.0	1.280	2.178	15.0	20.3
4 11	10 30.96	+ 8 25.5	1.373	2.199	18.8	20.6

312076 2007 TH_{41} 3 4.0 188.°99 1.°5/ 2.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 25.07	+ 8 22.2	2.024	2.869	12.1	21.8
2 11	11 18.94	+ 9 10.1	1.948	2.868	8.6	21.6
2 21	11 10.87	+10 6.3	1.897	2.867	4.8	21.4
3 2	11 1.55	+11 4.9	1.876	2.865	1.6	21.2
3 12	10 51.97	+11 59.2	1.884	2.862	4.4	21.3
3 22	10 43.12	+12 43.5	1.921	2.858	8.3	21.6
4 1	10 35.87	+13 14.1	1.984	2.854	11.9	21.8
4 11	10 30.80	+13 29.1	2.069	2.848	14.9	22.0

426773 2013 TW_{107} 3 4.0 136.°21 0.°8/ 3.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 21.47	+ 6 33.8	2.121	2.965	11.6	21.7
2 11	11 16.22	+ 7 15.4	2.051	2.971	8.3	21.5
2 21	11 9.27	+ 8 5.8	2.007	2.977	4.6	21.3
3 2	11 1.27	+ 8 59.9	1.992	2.982	1.0	21.0
3 12	10 53.11	+ 9 51.8	2.006	2.987	3.7	21.2
3 22	10 45.64	+10 36.2	2.049	2.992	7.4	21.5
4 1	10 39.61	+11 9.2	2.118	2.997	10.8	21.7
4 11	10 35.54	+11 28.7	2.209	3.001	13.7	21.9

212609 2006 SB_{320} 3 4.0 264.°61 4.°1/28.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 22.15	+18 10.0	2.302	3.160	10.3	20.6
2 11	11 16.67	+18 55.8	2.233	3.157	7.5	20.4
2 21	11 9.50	+19 40.8	2.191	3.154	4.9	20.2
3 2	11 1.31	+20 19.2	2.178	3.151	4.1	20.2
3 12	10 52.96	+20 45.6	2.194	3.148	6.1	20.3
3 22	10 45.28	+20 57.0	2.237	3.145	8.9	20.4
4 1	10 39.02	+20 51.8	2.306	3.142	11.7	20.6
4 11	10 34.68	+20 30.9	2.395	3.139	14.1	20.8

312245 2007 YM_{48} 3 4.0 102.°56 1.°1/ 3.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 24.76	+ 6 22.2	1.711	2.559	13.8	21.7
2 11	11 18.78	+ 7 13.0	1.657	2.578	9.8	21.5
2 21	11 10.75	+ 8 14.2	1.627	2.597	5.4	21.3
3 2	11 1.52	+ 9 19.2	1.624	2.615	1.2	21.0
3 12	10 52.23	+10 20.0	1.651	2.632	4.3	21.3
3 22	10 43.93	+11 10.3	1.705	2.649	8.6	21.6
4 1	10 37.51	+11 45.8	1.785	2.666	12.4	21.8
4 11	10 33.49	+12 4.7	1.886	2.682	15.5	22.1

500959 2013 QD_{42} 3 4.0 137.°94 0.°1/ 4.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 23.66	+ 4 25.2	1.980	2.818	12.6	22.0
2 11	11 17.90	+ 4 45.3	1.909	2.823	9.1	21.8
2 21	11 10.25	+ 5 15.8	1.862	2.829	5.2	21.5
3 2	11 1.45	+ 5 52.5	1.843	2.833	0.9	21.2
3 12	10 52.46	+ 6 30.0	1.854	2.838	3.4	21.4
3 22	10 44.24	+ 7 3.2	1.893	2.843	7.5	21.7
4 1	10 37.60	+ 7 28.0	1.958	2.847	11.1	21.9
4 11	10 33.11	+ 7 41.6	2.046	2.851	14.2	22.1